



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] G006468.001
[TESTLAB]
[TESTDATE] 2024-08-27
[ISSUEDATE] 2025-10-01
[MANUFAC] LAMAR LED
[LUMCAT] VANL-W-24-L-40
[LUMINAIRE] VANDAL RESISTANT SURFACE LED LUMINAIRE
[MORE]DIFFUSE PEARLESCENT EXTRUDED POLYCARBONATE HIGH EFFIECENCY LENS
[_WATTAGE] 18.4
[_LUMENS] 2507
[_EFFICACY] 136.25

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2507
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	18.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.10 ft
Luminous Width (90-270)	0.77 ft
Luminous Height	0.13 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4823	4196	3993
55	4730	3869	3541
65	4692	3474	2938
75	4943	2991	2015
85	6923	2737	541

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	793.59	793.66	793.70	793.70	793.70	793.70	793.78	793.86	793.93	793.97
2	792.12	792.19	792.16	792.16	792.19	792.19	792.35	792.47	792.54	792.66
3	790.61	790.65	790.61	790.57	790.69	790.76	790.80	790.92	791.00	791.11
4	789.10	789.10	789.06	789.10	789.18	789.18	789.14	789.26	789.33	789.37
5	787.59	787.59	787.48	787.59	787.52	787.48	787.48	787.40	787.40	787.52
6	786.12	786.05	786.05	785.93	785.82	785.74	785.58	785.54	785.43	785.39
7	784.62	784.50	784.50	784.38	784.15	783.88	783.73	783.53	783.38	783.19
8	783.11	782.92	783.03	782.64	782.37	782.06	781.72	781.41	781.14	780.79
9	781.60	781.37	781.29	780.98	780.56	780.05	779.67	779.24	778.74	778.16
10	780.09	779.86	779.71	779.28	778.74	778.01	777.43	776.85	776.03	775.41
11	775.96	775.88	775.92	775.88	775.92	776.07	775.22	774.25	773.37	772.59
12	771.82	771.78	771.70	771.63	771.59	771.66	771.78	771.78	770.62	769.61
13	767.68	767.64	767.49	767.41	767.33	767.18	767.14	767.37	767.64	766.21
14	763.54	763.47	763.27	763.16	762.81	762.69	762.46	762.35	762.58	762.93
15	759.41	759.33	759.06	758.79	758.44	758.02	757.82	757.55	757.44	757.51
16	755.23	755.19	754.88	754.46	753.99	753.49	752.91	752.45	752.22	751.98
17	751.09	751.06	750.63	750.21	749.59	748.77	748.12	747.38	746.73	746.49
18	746.96	746.92	746.45	745.84	744.99	744.17	743.13	742.24	741.24	740.81
19	742.82	742.82	742.28	741.47	740.42	739.34	738.14	736.87	735.74	734.82
20	738.68	738.68	738.06	737.10	735.94	734.62	733.04	731.49	730.18	728.98
21	732.30	732.42	732.15	731.92	731.34	729.64	727.97	726.16	724.34	722.83
22	725.92	725.96	725.65	725.31	725.00	724.69	722.83	720.70	718.58	716.68
23	719.58	719.51	719.16	718.73	718.23	717.61	717.11	715.06	712.62	710.50
24	713.20	713.05	712.62	712.00	711.31	710.50	709.88	709.41	706.67	704.04
25	706.86	706.63	706.13	705.35	704.50	703.50	702.45	701.84	700.68	697.54
26	700.48	700.17	699.63	698.63	697.54	696.38	695.19	694.10	693.41	690.93
27	694.10	693.72	693.06	692.02	690.74	689.12	687.72	686.37	685.37	684.44
28	687.76	687.22	686.53	685.29	683.82	682.00	680.30	678.64	677.17	676.28
29	681.38	680.76	680.07	678.52	676.90	674.81	672.80	670.79	668.86	667.73
30	675.04	674.35	673.53	671.83	669.94	667.50	665.34	662.86	660.81	659.19
31	666.84	666.34	665.92	664.87	662.98	660.35	657.76	655.01	652.42	650.34
32	658.65	658.15	657.57	656.48	655.36	653.24	650.14	647.05	644.07	641.75
33	650.49	649.95	649.21	648.13	646.70	645.19	642.52	639.05	635.76	632.82
34	642.29	641.75	640.98	639.78	638.04	636.42	634.44	631.04	627.25	624.04
35	634.10	633.55	632.67	631.39	629.46	627.48	625.32	623.12	618.79	615.03
36	625.90	625.36	624.39	622.96	620.87	618.67	616.19	613.76	610.28	606.14
37	617.74	617.16	616.16	614.53	612.25	609.81	607.07	604.32	601.77	597.02
38	609.54	609.00	607.88	606.06	603.63	600.92	597.87	594.81	591.91	588.12
39	601.35	600.84	599.57	597.64	595.05	591.99	588.78	585.30	582.05	579.15
40	593.19	592.65	591.22	589.25	586.50	583.21	579.58	575.87	572.27	569.02
41	583.56	583.18	582.17	580.89	577.92	574.40	570.45	566.39	562.37	558.78
42	573.93	573.51	572.43	570.96	568.95	565.58	561.37	556.92	552.55	548.49
43	564.31	563.84	562.68	561.10	558.93	556.46	552.24	547.45	542.65	538.32
44	554.68	554.22	552.98	551.28	548.84	546.13	543.20	537.98	532.83	527.92
45	545.05	544.55	543.27	541.38	538.79	535.89	532.76	528.58	523.01	517.68
46	535.42	534.88	533.57	531.48	528.70	525.64	522.20	518.76	513.19	507.43
47	525.80	525.22	523.83	521.62	518.68	515.40	511.72	507.90	503.41	497.30
48	516.17	515.59	514.08	511.76	508.67	505.15	501.17	497.07	493.01	487.06
49	506.54	505.92	504.38	501.94	498.65	494.90	490.65	486.32	481.95	476.89
50	496.91	496.30	494.67	492.12	488.72	484.66	480.17	475.49	470.78	466.56
51	486.32	485.78	484.39	482.22	478.74	474.45	469.70	464.71	459.72	455.12
52	475.73	475.19	473.75	471.44	468.57	464.20	459.29	454.07	448.70	443.67
53	465.17	464.59	463.12	460.72	457.71	453.84	448.89	443.36	437.68	432.31

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CANDELA TABULATION - (Cont.)

54	454.58	454.00	452.49	450.05	446.81	442.90	438.45	432.69	426.66	420.94
55	443.98	443.40	441.82	439.34	435.98	431.92	427.28	422.06	415.76	409.65
56	433.39	432.81	431.19	428.63	425.15	420.94	416.14	411.04	404.89	398.40
57	422.83	422.22	420.59	417.92	414.33	410.00	405.09	399.71	394.03	387.19
58	412.24	411.66	410.00	407.25	403.54	399.02	393.91	388.42	382.67	376.07
59	401.65	401.07	399.36	396.54	392.79	388.19	382.83	377.10	371.15	365.01
60	391.05	390.51	388.77	385.89	382.10	377.29	371.85	365.87	359.74	353.40
61	380.30	379.76	378.02	375.18	371.34	366.44	360.89	354.73	348.31	341.80
62	369.54	368.97	367.19	364.27	360.50	355.67	349.98	343.63	336.97	330.16
63	358.77	358.16	356.34	353.37	349.55	344.69	339.00	332.60	325.67	318.65
64	348.01	347.36	345.50	342.50	338.61	333.58	328.00	321.60	314.46	307.18
65	337.25	336.57	334.68	331.65	327.67	322.57	316.87	310.51	303.29	295.85
66	326.49	325.78	323.87	320.79	316.74	311.63	305.82	299.27	292.31	284.53
67	315.72	315.01	313.07	309.93	305.85	300.69	294.75	288.15	281.04	273.39
68	304.96	304.23	302.24	299.10	294.97	289.75	283.77	277.10	269.79	262.25
69	294.19	293.45	291.42	288.29	284.11	278.84	272.83	266.05	258.67	250.89
70	283.43	282.67	280.60	277.48	273.30	267.99	261.92	255.04	247.62	239.72
71	273.90	273.06	270.74	267.15	262.48	257.11	251.02	244.12	236.58	228.60
72	264.37	263.54	261.25	257.66	252.82	246.62	240.21	233.22	225.65	217.61
73	254.84	254.03	251.76	248.19	243.33	237.16	230.06	222.38	214.77	206.69
74	245.32	244.52	242.27	238.72	233.87	227.71	220.62	212.44	203.97	195.80
75	235.79	235.01	232.78	229.23	224.41	218.33	211.22	203.08	194.03	185.02
76	226.26	225.50	223.29	219.76	214.98	208.98	201.86	193.77	184.76	175.00
77	216.73	215.99	213.81	210.28	205.57	199.60	192.52	184.51	175.60	165.92
78	207.20	206.48	204.32	200.84	196.17	190.25	183.25	175.31	166.46	156.88
79	197.68	196.98	194.84	191.40	186.79	180.93	174.03	166.17	157.41	147.93
80	188.14	187.47	185.36	181.97	177.41	171.64	164.80	157.07	148.42	139.06
81	181.08	180.31	177.95	174.16	169.02	162.55	155.60	147.98	139.49	130.26
82	174.02	173.24	170.91	167.14	162.05	155.64	148.02	139.44	130.59	121.52
83	166.95	166.17	163.87	160.13	155.09	148.75	141.22	132.71	123.30	113.10
84	159.89	159.10	156.83	153.13	148.15	141.87	134.44	126.03	116.76	106.72
85	152.82	152.04	149.79	146.13	141.21	135.02	127.68	119.38	110.26	100.40
86	145.76	144.97	142.76	139.15	134.29	128.18	120.94	112.78	103.78	94.10
87	138.70	137.90	135.72	132.16	127.38	121.35	114.23	106.20	97.35	87.85
88	131.63	130.84	128.69	125.18	120.47	114.53	107.53	99.64	90.96	81.63
89	124.57	123.78	121.66	118.21	113.57	107.73	100.85	93.11	84.61	75.46
90	117.50	116.71	114.64	111.25	106.68	100.93	94.19	86.60	78.27	69.33
91	112.87	112.09	110.05	106.71	102.21	96.56	89.92	82.46	74.29	65.53
92	108.23	107.47	105.46	102.17	97.74	92.19	85.67	78.34	70.32	61.75
93	103.59	102.85	100.87	97.64	93.29	87.83	81.43	74.24	66.38	58.01
94	98.95	98.23	96.28	93.12	88.83	83.48	77.20	70.14	62.45	54.29
95	94.31	93.61	91.70	88.59	84.39	79.14	72.98	66.07	58.54	50.58
96	89.67	88.99	87.11	84.07	79.94	74.80	68.76	62.00	54.65	46.88
97	85.04	84.37	82.53	79.54	75.50	70.47	64.56	57.94	50.77	43.20
98	80.40	79.76	77.95	75.02	71.07	66.14	60.37	53.90	47.48	41.15
99	75.76	75.14	73.37	70.51	66.64	61.82	56.82	51.39	45.52	39.32
100	71.12	70.60	69.10	66.70	63.44	59.39	54.64	49.32	43.56	37.49
101	68.65	68.13	66.66	64.30	61.10	57.12	52.46	47.26	41.61	35.67
102	66.17	65.67	64.22	61.91	58.76	54.86	50.29	45.19	39.66	33.86
103	63.70	63.20	61.78	59.51	56.42	52.60	48.13	43.14	37.73	32.05
104	61.23	60.73	59.34	57.12	54.09	50.34	45.96	41.08	35.79	30.25
105	58.75	58.27	56.90	54.72	51.76	48.09	43.81	39.03	33.87	28.93
106	56.28	55.80	54.46	52.33	49.43	45.83	41.65	36.99	32.32	27.99
107	53.80	53.34	52.02	49.93	47.09	43.58	39.49	35.32	31.30	27.06
108	51.33	50.87	49.59	47.54	44.76	41.33	37.84	34.23	30.29	26.12
109	48.85	48.41	47.15	45.14	42.56	39.86	36.69	33.15	29.28	25.19

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CANDELA TABULATION - (Cont.)

110	46.38	46.02	45.02	43.45	41.31	38.66	35.55	32.07	28.28	24.26
111	45.03	44.68	43.70	42.16	40.05	37.46	34.41	31.00	27.28	23.33
112	43.68	43.34	42.38	40.86	38.80	36.25	33.26	29.93	26.28	22.41
113	42.33	42.00	41.06	39.57	37.55	35.05	32.13	28.85	25.28	21.60
114	40.98	40.66	39.74	38.28	36.30	33.85	30.99	27.77	24.30	20.82
115	39.63	39.31	38.41	36.99	35.05	32.65	29.85	26.70	23.45	20.05
116	38.28	37.97	37.09	35.69	33.80	31.46	28.71	25.74	22.61	19.27
117	36.93	36.63	35.77	34.40	32.54	30.26	27.65	24.83	21.77	18.49
118	35.57	35.28	34.44	33.11	31.30	29.13	26.70	23.93	20.93	17.71
119	34.22	33.94	33.12	31.82	30.15	28.13	25.74	23.03	20.09	16.93
120	32.87	32.62	31.88	30.70	29.10	27.12	24.78	22.13	19.24	16.15
121	31.75	31.50	30.78	29.62	28.05	26.11	23.82	21.23	18.40	15.42
122	30.62	30.38	29.67	28.54	27.01	25.10	22.87	20.33	17.55	14.80
123	29.49	29.25	28.56	27.46	25.96	24.10	21.90	19.42	16.75	14.16
124	28.37	28.13	27.46	26.38	24.91	23.09	20.94	18.51	16.06	13.53
125	27.24	27.01	26.35	25.30	23.86	22.08	19.98	17.69	15.38	12.90
126	26.11	25.89	25.24	24.21	22.81	21.07	19.02	16.95	14.68	12.27
127	24.99	24.77	24.14	23.13	21.76	20.06	18.23	16.20	13.99	11.62
128	23.86	23.65	23.03	22.04	20.71	19.18	17.44	15.46	13.29	10.98
129	22.73	22.53	21.93	20.95	19.79	18.35	16.64	14.71	12.59	10.33
130	21.61	21.43	20.90	20.05	18.92	17.51	15.85	13.97	11.89	9.68
131	20.67	20.49	19.98	19.15	18.06	16.68	15.06	13.21	11.19	7.98
132	19.73	19.56	19.06	18.25	17.19	15.84	14.26	12.46	10.48	6.13
133	18.79	18.62	18.14	17.36	16.31	15.01	13.46	11.71	9.02	4.27
134	17.85	17.69	17.22	16.46	15.44	14.17	12.66	10.95	7.06	2.40
135	16.91	16.75	16.29	15.56	14.57	13.33	11.86	9.29	5.09	0.53
136	15.97	15.82	15.37	14.66	13.69	12.49	10.93	7.23	3.12	0.00
137	15.03	14.88	14.45	13.75	12.82	11.65	8.77	5.15	1.13	0.00
138	14.09	13.95	13.53	12.85	11.94	9.69	6.61	3.08	0.00	0.00
139	13.15	13.01	12.60	11.95	9.97	7.45	4.44	0.99	0.00	0.00
140	12.21	11.92	11.04	9.61	7.66	5.20	2.27	0.00	0.00	0.00
141	9.77	9.48	8.64	7.25	5.35	2.95	0.09	0.00	0.00	0.00
142	7.33	7.05	6.23	4.88	3.03	0.70	0.00	0.00	0.00	0.00
143	4.88	4.62	3.82	2.52	0.72	0.00	0.00	0.00	0.00	0.00
144	2.44	2.18	1.41	0.15	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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CANDELA TABULATION - (Cont.)

166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	<u>95</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	794.01	794.09	794.21	794.32	794.44	794.59	794.71	794.82	794.98	794.86
2	792.77	792.93	793.12	793.35	793.51	793.70	793.90	794.13	794.40	794.21
3	791.31	791.50	791.69	791.89	792.16	792.39	792.70	793.05	793.43	793.12
4	789.49	789.68	789.91	790.22	790.45	790.84	791.27	791.77	792.27	791.85
5	787.56	787.71	787.94	788.25	788.56	788.95	789.45	790.03	790.69	790.18
6	785.51	785.54	785.85	786.01	786.28	786.74	787.25	787.86	788.60	788.02
7	783.19	783.15	783.15	783.42	783.69	784.19	784.77	785.47	786.32	785.66
8	780.52	780.44	780.44	780.60	780.94	781.37	781.95	782.76	783.73	782.95
9	777.85	777.66	777.50	777.54	777.89	778.28	778.97	779.90	781.02	780.13
10	774.95	774.53	774.33	774.29	774.41	774.87	775.53	776.46	777.66	776.73
11	771.93	771.28	770.85	770.62	770.70	771.01	771.82	772.79	774.14	773.09
12	768.45	767.76	767.06	766.72	766.64	766.95	767.68	768.65	770.08	769.00
13	765.05	763.85	763.04	762.62	762.35	762.54	763.12	764.16	765.67	764.51
14	761.22	759.83	758.83	758.09	757.71	757.74	758.40	759.48	761.07	759.83
15	757.28	755.73	754.30	753.30	752.80	752.76	753.30	754.42	756.16	754.85
16	752.25	751.29	749.66	748.39	747.69	747.54	747.92	749.16	750.98	749.59
17	746.42	746.73	744.75	743.25	742.32	742.05	742.32	743.52	745.45	743.98
18	740.42	740.69	739.65	737.87	736.63	736.17	736.52	737.56	739.42	738.03
19	734.35	734.31	734.31	732.27	730.83	730.14	730.37	731.41	733.43	731.92
20	728.13	727.82	728.17	726.39	724.69	723.84	723.87	725.00	727.16	725.50
21	721.75	721.13	721.21	720.32	718.23	717.26	717.26	718.19	720.32	718.73
22	715.21	714.32	714.09	714.02	711.73	710.42	710.15	711.31	713.63	711.85
23	708.53	707.33	706.75	707.25	704.89	703.27	702.96	703.96	706.36	704.58
24	701.72	700.17	699.40	699.52	697.78	695.96	695.50	696.42	698.82	697.04
25	694.99	692.98	691.74	691.40	690.39	688.34	687.80	688.69	691.13	689.35
26	687.88	685.56	683.93	683.28	683.05	680.69	679.72	680.69	683.24	681.42
27	680.88	677.98	676.01	675.12	675.24	672.64	671.68	672.34	674.93	673.07
28	673.69	670.25	667.85	666.57	666.81	664.53	663.33	663.79	666.34	664.60
29	666.26	662.71	659.77	658.07	658.03	656.02	654.63	655.13	657.80	655.90
30	658.15	654.67	651.34	649.41	648.90	647.44	645.77	646.24	648.94	647.05
31	649.29	646.74	642.99	640.48	639.66	638.62	636.76	637.19	639.90	638.04
32	639.93	638.66	634.52	631.54	630.31	629.77	627.60	627.91	630.73	628.80
33	630.73	629.69	625.74	622.30	620.91	620.64	618.13	618.44	621.30	619.37
34	621.38	620.02	617.01	613.18	611.32	611.28	608.65	608.69	611.55	609.66
35	612.06	610.09	608.15	603.90	601.46	601.39	598.95	598.83	601.70	599.84
36	602.62	600.26	599.38	594.58	591.68	591.22	589.05	588.78	591.72	589.79

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	593.23	590.21	589.01	584.99	581.67	580.93	579.04	578.65	581.55	579.66
38	583.64	580.31	578.69	575.36	571.61	570.53	568.87	568.37	571.27	569.41
39	574.24	570.38	568.13	565.66	561.48	559.94	558.47	557.81	560.71	558.89
40	564.54	560.29	557.54	555.88	551.24	549.19	548.15	547.18	550.00	548.30
41	555.03	550.16	546.95	545.94	540.88	538.56	537.55	536.35	539.41	537.59
42	545.36	540.10	536.28	534.69	530.48	527.65	526.84	525.53	528.31	526.73
43	534.57	529.97	525.64	523.67	519.92	516.71	516.05	514.47	517.52	515.74
44	523.83	519.77	514.89	512.34	509.40	505.73	505.23	503.57	506.35	504.76
45	513.12	509.60	504.18	501.01	498.85	494.60	494.09	492.20	494.98	493.44
46	502.41	498.54	493.47	489.76	488.25	483.42	482.76	480.79	483.77	482.11
47	491.73	487.33	482.76	478.47	477.27	472.17	471.16	469.46	472.25	470.82
48	481.10	476.19	471.98	467.22	465.33	460.84	459.37	457.86	460.80	459.22
49	470.43	465.09	461.27	455.81	453.49	449.59	447.70	446.30	449.01	447.73
50	459.84	453.92	449.67	444.41	441.59	438.18	435.86	434.55	437.29	436.10
51	449.24	442.86	438.03	433.16	429.68	426.74	423.99	422.80	425.39	424.26
52	438.65	431.73	426.39	421.75	417.73	415.37	412.09	410.81	413.52	412.28
53	427.63	420.71	414.87	410.42	405.82	403.89	399.98	398.94	401.61	400.52
54	415.87	409.80	403.35	398.98	394.03	392.40	388.00	386.99	389.51	388.58
55	404.16	398.94	391.86	387.03	382.04	380.47	375.99	374.84	377.33	376.43
56	392.44	387.77	380.40	374.95	370.20	367.97	363.83	362.69	365.07	364.40
57	380.81	375.64	369.12	363.07	358.26	355.48	351.71	350.58	352.66	352.24
58	369.27	363.59	357.81	351.04	346.48	342.92	339.67	338.27	340.44	339.95
59	357.74	351.61	346.77	339.25	334.73	330.47	327.42	325.91	327.85	327.65
60	346.39	339.71	334.49	327.43	322.56	318.03	315.31	313.55	315.57	315.39
61	335.09	327.94	322.22	315.88	310.11	305.66	303.09	301.18	302.97	303.05
62	323.69	316.24	309.99	304.27	297.80	293.30	290.91	288.73	290.23	290.55
63	311.73	304.61	297.84	292.78	285.65	280.86	278.70	276.21	277.71	278.26
64	300.03	293.05	285.87	280.52	273.54	268.63	266.59	263.69	265.17	265.62
65	288.36	281.30	273.87	268.00	261.46	256.48	254.01	250.83	252.43	252.88
66	276.75	269.38	262.21	255.58	249.65	244.32	241.14	238.09	239.55	240.17
67	265.38	257.69	250.50	243.42	237.87	231.68	228.22	225.46	227.02	227.52
68	254.01	246.06	238.56	231.30	226.11	219.21	215.34	212.64	214.17	214.82
69	242.80	234.50	226.74	219.39	213.46	206.86	202.69	200.08	201.54	202.23
70	231.59	223.07	215.06	207.59	201.02	194.78	190.09	187.43	188.78	189.65
71	220.36	211.92	203.52	195.83	188.86	182.76	177.62	174.78	176.10	177.10
72	209.26	200.80	192.10	184.07	176.77	171.09	165.40	162.41	163.45	164.71
73	198.19	189.61	180.91	172.52	165.00	159.42	153.28	150.14	150.95	152.48
74	187.29	178.63	169.90	161.19	153.37	147.13	141.16	137.90	138.53	140.34
75	176.51	167.80	158.95	150.09	141.93	135.03	129.08	125.95	126.25	128.55
76	165.84	157.04	148.17	139.13	130.65	123.32	117.20	114.16	114.18	116.80
77	155.50	146.46	137.57	128.57	119.66	111.99	105.57	102.00	101.52	104.67
78	146.51	136.06	127.18	118.14	108.89	100.95	94.50	90.04	89.97	92.99
79	137.61	126.96	116.86	107.99	98.49	90.28	83.35	78.46	78.63	81.61
80	128.82	118.34	107.37	98.00	88.73	80.05	72.49	67.42	67.57	70.83
81	120.16	109.85	99.12	88.34	79.33	70.30	62.26	56.85	56.91	60.63
82	111.58	101.47	90.93	80.05	70.19	61.09	52.62	46.62	46.79	50.88
83	103.06	93.22	82.97	72.36	61.46	52.52	43.74	37.42	37.14	41.80
84	95.69	85.05	75.13	64.90	54.41	44.42	35.83	29.04	28.38	33.74
85	89.59	78.66	67.50	57.60	47.60	37.29	28.72	21.41	20.30	25.92
86	83.56	72.85	61.97	50.99	41.04	31.45	22.33	14.97	13.47	19.27
87	77.60	67.12	56.54	45.95	35.47	25.93	17.30	10.13	7.92	14.31
88	71.70	61.46	51.21	41.03	31.03	21.54	13.17	6.44	3.92	10.55
89	65.85	55.86	45.96	36.20	26.73	17.91	10.12	4.06	1.88	8.12
90	60.05	50.32	40.78	31.46	22.54	14.42	7.55	2.64	1.48	6.56
91	56.44	46.99	37.73	28.74	20.20	12.55	6.25	2.07	0.00	5.81
92	52.88	43.70	34.73	26.08	17.93	10.74	5.16	1.81	0.00	5.28

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CANDELA TABULATION - (Cont.)

93	49.35	40.45	31.78	23.46	15.71	9.33	4.57	1.71	0.00	4.83
94	45.84	37.23	28.85	20.87	14.12	8.49	4.10	1.61	0.00	4.38
95	42.36	34.03	25.95	19.27	13.07	7.67	3.80	1.55	0.00	3.97
96	38.89	31.21	24.48	18.04	12.04	7.10	3.53	1.38	0.00	3.39
97	36.37	29.64	23.07	16.82	11.02	6.68	3.29	0.11	0.00	0.27
98	34.66	28.09	21.69	15.61	10.44	6.26	3.04	0.00	0.00	0.00
99	32.96	26.55	20.31	14.56	9.92	5.89	2.86	0.00	0.00	0.00
100	31.27	25.02	18.95	13.92	9.40	5.54	2.69	0.00	0.00	0.00
101	29.60	23.50	18.02	13.31	8.89	5.20	2.51	0.00	0.00	0.00
102	27.92	22.13	17.32	12.68	8.45	4.84	2.05	0.00	0.00	0.00
103	26.26	21.34	16.61	12.07	8.03	4.58	0.98	0.00	0.00	0.00
104	25.26	20.56	15.92	11.50	7.61	4.33	0.00	0.00	0.00	0.00
105	24.40	19.78	15.23	10.99	7.19	4.09	0.00	0.00	0.00	0.00
106	23.54	19.01	14.54	10.49	6.75	3.84	0.00	0.00	0.00	0.00
107	22.69	18.24	13.96	9.98	6.44	3.57	0.00	0.00	0.00	0.00
108	21.84	17.48	13.38	9.48	6.12	2.59	0.00	0.00	0.00	0.00
109	20.99	16.80	12.81	8.97	5.80	1.47	0.00	0.00	0.00	0.00
110	20.15	16.15	12.23	8.53	5.47	0.33	0.00	0.00	0.00	0.00
111	19.38	15.51	11.65	8.15	5.13	0.00	0.00	0.00	0.00	0.00
112	18.66	14.87	11.07	7.77	4.79	0.00	0.00	0.00	0.00	0.00
113	17.95	14.22	10.53	7.39	3.74	0.00	0.00	0.00	0.00	0.00
114	17.23	13.58	10.09	7.01	2.52	0.00	0.00	0.00	0.00	0.00
115	16.52	12.93	9.65	6.62	1.29	0.00	0.00	0.00	0.00	0.00
116	15.80	12.32	9.22	6.21	0.04	0.00	0.00	0.00	0.00	0.00
117	15.08	11.82	8.77	5.56	0.00	0.00	0.00	0.00	0.00	0.00
118	14.36	11.32	8.31	4.23	0.00	0.00	0.00	0.00	0.00	0.00
119	13.75	10.81	7.86	2.89	0.00	0.00	0.00	0.00	0.00	0.00
120	13.18	10.29	7.40	1.53	0.00	0.00	0.00	0.00	0.00	0.00
121	12.60	9.78	6.72	0.16	0.00	0.00	0.00	0.00	0.00	0.00
122	12.04	9.25	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	11.46	8.73	3.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	10.89	8.20	2.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	10.31	6.98	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	9.73	5.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	9.14	3.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	7.93	2.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	6.21	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	4.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	2.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>100</u>	<u>105</u>	<u>110</u>	<u>115</u>	<u>120</u>	<u>125</u>	<u>130</u>	<u>135</u>	<u>140</u>	<u>145</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	794.75	794.63	794.55	794.44	794.36	794.24	794.21	794.17	794.13	794.09
2	794.01	793.86	793.70	793.59	793.43	793.24	793.12	793.01	792.97	792.93
3	792.85	792.62	792.43	792.27	792.12	792.00	791.85	791.73	791.65	791.61
4	791.46	791.15	790.84	790.65	790.49	790.30	790.22	790.18	790.18	790.18
5	789.72	789.33	789.06	788.87	788.68	788.56	788.48	788.48	788.48	788.56
6	787.56	787.21	786.90	786.78	786.70	786.59	786.63	786.67	786.74	786.90
7	785.12	784.73	784.38	784.27	784.23	784.35	784.54	784.69	784.93	785.08
8	782.37	781.99	781.76	781.60	781.64	781.76	782.06	782.49	782.92	783.34
9	779.44	778.93	778.78	778.66	778.86	779.16	779.51	780.05	780.75	781.33
10	776.07	775.65	775.45	775.61	775.72	776.19	776.85	777.54	778.31	779.28
11	772.40	771.90	771.82	772.05	772.48	773.25	773.91	774.91	775.92	776.92
12	768.30	767.95	767.95	768.34	768.92	769.77	770.89	771.97	773.37	774.60
13	763.85	763.54	763.74	764.28	765.13	766.21	767.53	769.07	770.47	770.50
14	759.14	758.90	759.21	759.91	761.03	762.42	764.05	765.86	765.83	765.83
15	754.07	754.03	754.34	755.27	756.70	758.40	760.37	760.76	760.76	761.07
16	748.85	748.81	749.43	750.63	752.10	754.19	755.46	755.54	755.81	756.35
17	743.25	743.44	744.10	745.53	747.42	749.70	749.82	750.13	750.67	751.37
18	737.45	737.64	738.49	740.23	742.47	743.90	743.94	744.52	745.41	746.45
19	731.38	731.61	732.77	734.66	737.37	737.68	738.26	738.92	740.11	741.47

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

20	724.92	725.34	726.74	728.90	731.18	731.30	732.07	733.12	734.62	736.36
21	718.35	718.85	720.43	723.02	724.34	724.69	725.77	727.35	729.13	731.14
22	711.27	712.08	714.13	716.76	717.38	718.11	719.47	721.25	723.53	725.92
23	704.19	705.16	707.17	710.07	710.19	711.23	713.01	715.21	717.92	720.59
24	696.73	697.89	700.29	702.45	703.00	704.16	706.40	709.07	711.97	715.18
25	689.19	690.39	693.06	694.64	695.38	697.16	699.67	702.80	706.05	707.75
26	681.11	682.74	685.79	686.64	687.80	690.00	692.83	696.50	699.13	700.25
27	673.11	675.00	678.21	678.56	679.99	682.58	686.02	690.04	691.28	692.56
28	664.91	666.69	669.90	670.29	672.03	675.04	679.02	681.92	683.35	684.90
29	656.25	658.42	661.12	661.93	664.06	667.54	671.91	673.69	675.31	677.36
30	647.44	649.79	652.11	653.20	655.86	659.77	663.79	665.18	667.23	669.78
31	638.47	641.17	642.87	644.46	647.63	652.00	654.86	656.64	659.00	661.97
32	629.34	632.39	633.67	635.64	639.24	644.15	645.81	648.05	650.92	654.16
33	620.02	623.35	624.39	626.63	630.73	635.29	636.76	639.39	642.76	646.39
34	610.59	614.22	614.84	617.47	622.03	625.59	627.60	630.69	634.48	638.54
35	600.88	604.36	605.21	608.27	613.37	615.89	618.48	621.88	626.13	630.62
36	591.10	594.23	595.43	599.07	604.56	606.26	609.16	613.14	617.74	621.65
37	581.05	583.87	585.53	589.71	594.39	596.36	599.88	604.32	609.51	612.44
38	570.84	573.55	575.56	580.12	584.14	586.50	590.48	595.59	599.84	603.16
39	560.63	562.99	565.47	570.65	573.82	576.68	581.09	586.65	590.13	593.81
40	550.35	552.40	555.26	560.98	563.22	566.78	571.58	576.76	580.47	584.53
41	539.91	541.80	545.13	550.89	552.78	556.81	562.22	566.70	570.76	575.21
42	529.16	531.13	534.81	539.83	542.23	546.79	552.78	556.50	561.10	565.97
43	518.49	520.11	524.37	528.93	531.71	536.70	542.15	546.37	551.43	556.65
44	507.62	509.25	513.97	517.79	521.12	526.76	531.67	536.16	541.73	547.41
45	496.64	498.15	503.41	506.58	510.60	516.71	521.04	526.22	532.02	538.17
46	485.32	487.13	492.97	495.37	499.93	505.85	510.41	516.09	522.43	528.50
47	473.83	475.92	482.22	484.19	489.38	494.79	499.85	506.12	512.84	517.72
48	462.08	464.78	470.16	473.02	478.67	483.73	489.34	496.10	502.68	506.97
49	450.44	453.53	458.60	461.69	468.07	472.67	478.94	486.13	491.66	496.26
50	438.72	442.20	446.77	450.52	456.70	461.73	468.50	476.00	480.52	485.62
51	426.85	430.84	434.90	439.27	445.18	450.87	458.02	464.55	469.58	474.95
52	415.02	419.59	423.07	428.09	433.62	439.92	447.70	453.22	458.60	464.36
53	402.96	408.10	411.20	417.00	422.25	429.02	436.71	441.90	447.73	453.80
54	391.09	396.70	399.56	405.55	410.73	418.19	425.00	430.57	436.83	443.25
55	379.11	384.96	387.65	393.64	399.52	407.60	413.32	419.39	426.00	432.65
56	367.00	372.52	375.85	381.71	388.19	396.23	401.76	408.26	415.10	421.79
57	355.01	360.07	364.03	370.00	377.04	384.38	390.24	397.16	404.43	410.54
58	342.95	347.63	352.22	358.12	365.88	372.42	378.67	386.05	393.14	399.36
59	330.78	335.22	340.71	346.36	354.95	360.45	367.30	375.05	381.69	388.23
60	318.65	322.93	328.52	334.64	342.77	348.69	356.00	363.66	370.42	377.11
61	306.60	310.53	316.24	323.22	330.58	336.92	344.75	352.00	359.08	365.99
62	294.39	298.14	304.05	311.79	318.36	325.26	333.45	340.45	347.86	354.99
63	282.27	286.00	291.97	300.50	306.29	313.87	321.58	329.09	336.64	344.04
64	270.29	273.77	279.91	288.06	294.31	302.38	309.93	317.73	325.60	333.10
65	257.75	261.71	268.03	275.72	282.41	290.61	298.35	306.35	314.47	322.12
66	244.99	249.60	256.24	263.37	270.77	278.74	286.78	295.17	303.46	310.95
67	232.13	237.01	244.70	251.16	259.12	267.06	275.40	284.09	292.37	299.94
68	219.40	224.64	232.96	239.16	247.32	255.48	264.19	273.00	281.19	288.88
69	206.67	212.36	220.35	227.28	235.47	243.99	253.00	261.75	270.12	277.86
70	194.14	200.37	207.92	215.40	223.77	232.69	241.85	250.58	259.05	266.97
71	181.77	188.45	195.69	203.79	212.29	221.50	230.69	239.51	248.09	256.10
72	169.58	176.83	183.69	191.99	201.03	210.34	219.56	228.59	237.21	245.26
73	157.47	165.31	171.97	180.46	189.77	199.23	208.51	217.70	226.36	234.49
74	145.42	152.96	160.36	169.13	178.83	188.25	197.69	206.85	215.59	224.50
75	133.40	140.94	148.89	158.04	167.85	177.42	186.89	196.14	205.63	215.06

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CANDELA TABULATION - (Cont.)

76	121.82	129.24	137.70	147.16	157.04	166.73	176.28	186.07	196.27	205.65
77	110.32	117.90	126.81	136.56	146.40	156.14	165.95	176.84	187.00	196.33
78	99.47	106.97	116.11	126.07	135.99	145.73	156.87	167.68	177.78	187.04
79	88.41	96.27	105.67	115.88	125.69	136.53	147.87	158.62	168.60	177.78
80	77.75	86.02	95.67	105.83	116.08	127.72	138.96	149.59	159.49	168.58
81	67.63	76.31	86.14	96.09	107.63	119.04	130.14	140.66	150.44	159.38
82	58.12	67.07	76.97	87.65	99.29	110.50	121.39	131.81	141.43	150.67
83	49.22	58.39	68.20	79.79	91.11	102.07	112.70	123.23	133.87	143.65
84	41.12	50.22	60.95	72.13	83.11	93.74	105.06	116.50	126.99	136.67
85	33.84	42.93	53.93	64.66	75.30	87.08	98.59	109.84	120.15	129.72
86	27.29	36.90	47.17	57.81	69.46	80.98	92.22	103.23	113.38	122.79
87	22.07	31.18	41.37	52.45	63.70	74.95	85.92	96.66	106.63	115.89
88	17.73	26.58	36.65	47.23	58.05	69.00	79.68	90.14	99.92	109.01
89	14.48	22.71	32.08	42.11	52.48	63.12	73.50	83.66	93.24	102.16
90	11.71	18.99	27.62	37.07	46.98	57.29	67.38	77.21	86.58	95.33
91	10.24	16.93	25.08	34.13	43.70	53.67	63.52	73.13	82.31	90.91
92	8.98	14.95	22.61	31.24	40.47	50.11	59.69	69.08	78.07	86.50
93	8.20	13.36	20.19	28.40	37.28	46.58	55.90	65.05	73.85	82.12
94	7.54	12.35	18.42	25.60	34.13	43.08	52.14	61.05	69.65	77.75
95	7.03	11.36	17.20	23.82	30.99	39.60	48.39	57.07	65.46	73.39
96	6.54	10.61	16.00	22.42	29.34	36.53	44.65	53.10	61.30	69.04
97	6.07	10.01	14.82	21.03	27.76	34.78	41.91	49.14	57.15	64.69
98	5.62	9.42	14.07	19.67	26.20	33.06	40.03	46.92	53.62	60.35
99	5.23	8.87	13.37	18.45	24.66	31.35	38.16	44.92	51.47	57.65
100	4.87	8.34	12.69	17.66	23.13	29.66	36.31	42.93	49.34	55.41
101	4.51	7.82	12.01	16.88	22.05	27.97	34.46	40.94	47.22	53.17
102	3.64	7.30	11.41	16.11	21.19	26.45	32.63	38.95	45.10	50.93
103	1.70	6.86	10.83	15.35	20.33	25.49	30.80	36.97	42.99	48.71
104	0.00	6.47	10.25	14.62	19.49	24.55	29.65	35.00	40.88	46.48
105	0.00	6.07	9.67	13.97	18.65	23.62	28.62	33.52	38.78	44.26
106	0.00	5.67	9.08	13.32	17.82	22.69	27.61	32.43	37.07	42.04
107	0.00	5.26	8.63	12.67	17.08	21.76	26.59	31.34	35.90	40.20
108	0.00	3.75	8.18	12.02	16.37	20.85	25.59	30.24	34.73	38.95
109	0.00	2.09	7.74	11.37	15.65	20.02	24.58	29.15	33.56	37.72
110	0.00	0.46	7.28	10.79	14.93	19.24	23.58	28.07	32.40	36.48
111	0.00	0.00	6.82	10.29	14.21	18.45	22.67	26.98	31.24	35.24
112	0.00	0.00	6.36	9.79	13.50	17.67	21.82	25.91	30.08	34.00
113	0.00	0.00	4.93	9.29	12.81	16.89	20.97	24.95	28.92	32.77
114	0.00	0.00	3.29	8.78	12.26	16.11	20.12	24.04	27.79	31.53
115	0.00	0.00	1.67	8.26	11.70	15.33	19.27	23.13	26.81	30.30
116	0.00	0.00	0.05	7.74	11.14	14.59	18.43	22.21	25.83	29.20
117	0.00	0.00	0.00	6.91	10.57	13.98	17.58	21.29	24.85	28.16
118	0.00	0.00	0.00	5.23	10.01	13.35	16.73	20.38	23.88	27.12
119	0.00	0.00	0.00	3.55	9.44	12.73	15.99	19.47	22.90	26.09
120	0.00	0.00	0.00	1.87	8.86	12.10	15.30	18.56	21.93	25.05
121	0.00	0.00	0.00	0.19	8.03	11.46	14.62	17.70	20.94	24.01
122	0.00	0.00	0.00	0.00	6.27	10.83	13.93	16.95	19.97	22.98
123	0.00	0.00	0.00	0.00	4.49	10.19	13.24	16.21	19.03	21.94
124	0.00	0.00	0.00	0.00	2.72	9.55	12.55	15.46	18.23	20.90
125	0.00	0.00	0.00	0.00	0.94	8.11	11.85	14.71	17.42	19.95
126	0.00	0.00	0.00	0.00	0.00	6.24	11.15	13.96	16.61	19.09
127	0.00	0.00	0.00	0.00	0.00	4.37	10.45	13.20	15.81	18.23
128	0.00	0.00	0.00	0.00	0.00	2.49	9.05	12.45	15.00	17.37
129	0.00	0.00	0.00	0.00	0.00	0.61	7.07	11.69	14.18	16.51
130	0.00	0.00	0.00	0.00	0.00	0.00	5.09	10.92	13.37	15.64
131	0.00	0.00	0.00	0.00	0.00	0.00	3.10	8.99	12.55	14.77

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CANDELA TABULATION - (Cont.)

132	0.00	0.00	0.00	0.00	0.00	0.00	1.10	6.90	11.73	13.90
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.80	10.07	13.03
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.70	7.88	12.16
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	5.68	10.31
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47	8.01
137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	5.71
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.41
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles Horizontal Angles

	<u>150</u>	<u>155</u>	<u>160</u>	<u>165</u>	<u>170</u>	<u>175</u>	<u>180</u>	<u>185</u>	<u>190</u>	<u>195</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	794.05	793.97	793.97	794.01	794.01	793.93	793.90	793.90	793.90	793.93
2	792.85	792.74	792.74	792.74	792.70	792.77	792.66	792.70	792.74	792.77

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CANDELA TABULATION - (Cont.)

3	791.50	791.50	791.50	791.46	791.50	791.54	791.46	791.50	791.54	791.58
4	790.15	790.18	790.15	790.22	790.22	790.26	790.22	790.30	790.34	790.30
5	788.72	788.75	788.87	788.91	788.95	789.02	789.02	789.10	789.10	789.06
6	787.09	787.28	787.44	787.56	787.71	787.79	787.83	787.86	787.83	787.75
7	785.39	785.74	786.01	786.28	786.43	786.55	786.59	786.67	786.63	786.43
8	783.61	784.08	784.46	784.89	785.04	785.31	785.39	785.47	785.31	785.12
9	781.95	782.41	783.03	783.46	783.80	784.08	784.15	784.23	784.08	783.80
10	780.13	780.71	781.37	781.99	782.53	782.84	782.95	782.99	782.76	782.41
11	778.12	779.05	778.86	778.89	779.01	779.05	779.09	779.20	779.24	779.32
12	774.95	774.95	774.76	774.95	775.11	775.18	775.26	775.34	775.34	775.26
13	770.47	770.70	770.81	770.89	771.12	771.32	771.43	771.47	771.43	771.24
14	766.02	766.41	766.68	766.87	767.18	767.45	767.57	767.60	767.49	767.22
15	761.57	761.96	762.54	762.85	763.16	763.54	763.74	763.74	763.54	763.20
16	756.97	757.67	758.40	758.79	759.29	759.60	759.87	759.87	759.60	759.14
17	752.29	753.18	754.15	754.81	755.35	755.77	756.04	755.97	755.58	755.08
18	747.65	748.77	749.93	750.71	751.40	751.95	752.22	752.06	751.60	750.90
19	742.78	744.29	745.57	746.73	747.46	748.12	748.35	748.16	747.61	746.88
20	738.03	739.77	741.31	742.59	743.48	744.25	744.52	744.33	743.71	742.74
21	733.12	735.24	736.90	737.76	737.91	738.26	738.34	738.34	738.14	737.76
22	728.32	730.29	730.76	731.30	731.65	731.99	732.15	732.07	731.84	731.41
23	722.91	723.45	724.22	724.88	725.34	725.81	725.96	725.85	725.50	725.11
24	715.79	716.68	717.65	718.50	719.08	719.58	719.82	719.62	719.27	718.69
25	708.72	709.76	711.04	712.08	712.82	713.36	713.63	713.47	713.13	712.24
26	701.45	702.96	704.43	705.63	706.51	707.13	707.44	707.25	706.79	705.82
27	694.34	696.00	697.70	699.17	700.21	700.91	701.26	701.02	700.48	699.40
28	687.07	689.08	690.97	692.67	693.95	694.76	695.11	694.84	694.22	693.02
29	679.72	682.12	684.24	686.14	687.69	688.57	688.92	688.65	687.92	686.56
30	672.41	675.12	677.59	679.68	681.31	682.39	682.74	682.50	681.65	680.03
31	664.99	668.04	670.87	672.95	673.92	674.58	674.77	674.69	674.27	673.42
32	657.64	661.05	663.37	664.76	665.84	666.57	666.81	666.69	666.11	665.26
33	650.22	653.20	655.01	656.56	657.76	658.53	658.80	658.65	657.95	657.10
34	642.33	644.50	646.58	648.40	649.68	650.49	650.84	650.64	649.95	648.75
35	633.48	635.84	638.16	640.17	641.64	642.52	642.87	642.64	641.83	640.44
36	624.47	627.18	629.80	631.93	633.55	634.56	634.91	634.64	633.71	632.12
37	615.46	618.55	621.38	623.66	625.44	626.56	626.94	626.60	625.63	623.93
38	606.45	609.93	612.95	615.42	617.35	618.59	618.94	618.59	617.51	615.61
39	597.60	601.27	604.56	607.26	609.23	610.59	610.97	610.59	609.39	607.34
40	588.59	592.65	596.21	599.03	601.12	602.62	603.01	602.58	601.23	598.99
41	579.73	583.95	587.85	590.79	592.15	593.23	593.54	593.27	592.26	590.71
42	570.73	575.33	579.12	581.05	582.56	583.72	584.03	583.76	582.71	581.01
43	561.83	566.43	569.14	571.34	572.93	574.21	574.55	574.24	573.20	571.38
44	552.94	556.23	559.20	561.60	563.42	564.65	565.04	564.69	563.49	561.68
45	542.69	546.02	549.19	551.82	553.83	555.14	555.57	555.18	553.91	551.93
46	532.25	535.93	539.33	542.11	544.24	545.67	546.10	545.67	544.36	542.31
47	521.85	525.80	529.39	532.37	534.65	536.12	536.58	536.16	534.81	532.72
48	511.49	515.67	519.53	522.67	525.06	526.61	527.11	526.65	525.26	523.01
49	501.05	505.50	509.64	513.00	515.47	517.10	517.60	517.14	515.71	513.35
50	490.65	495.45	499.70	503.29	505.85	507.62	508.13	507.59	506.16	503.64
51	480.29	485.35	489.84	493.55	495.72	497.22	497.65	497.19	495.95	493.94
52	470.08	475.30	479.79	482.96	485.20	486.75	487.17	486.71	485.39	483.31
53	459.76	465.02	469.04	472.29	474.64	476.23	476.69	476.19	474.84	472.59
54	449.40	454.15	458.29	461.65	464.13	465.75	466.22	465.71	464.24	461.88
55	438.30	443.29	447.58	451.02	453.57	455.23	455.74	455.20	453.69	451.21
56	427.28	432.38	436.83	440.39	443.06	444.76	445.26	444.72	443.13	440.54
57	416.38	421.56	426.16	429.83	432.54	434.28	434.78	434.20	432.58	429.91
58	405.28	410.77	415.45	419.24	422.02	423.76	424.26	423.68	421.98	419.24

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CANDELA TABULATION - (Cont.)

59	394.38	399.94	404.78	408.64	411.54	413.28	413.79	413.21	411.43	408.57
60	383.42	389.23	394.18	398.09	401.03	402.81	403.31	402.69	400.87	397.90
61	372.55	378.49	383.54	387.49	390.36	392.13	392.64	392.06	390.24	387.26
62	361.71	367.77	372.82	376.74	379.62	381.42	381.96	381.37	379.52	376.52
63	350.91	356.90	361.95	365.92	368.89	370.73	371.28	370.68	368.82	365.76
64	339.96	345.90	351.07	355.13	358.17	360.04	360.60	359.99	358.13	355.02
65	328.91	334.95	340.21	344.39	347.46	349.35	349.92	349.31	347.43	344.29
66	317.93	324.06	329.39	333.62	336.76	338.66	339.24	338.62	336.74	333.56
67	306.94	313.20	318.57	322.87	326.06	327.97	328.56	327.94	326.05	322.83
68	296.02	302.35	307.77	312.14	315.33	317.27	317.88	317.27	315.34	312.13
69	285.11	291.52	296.97	301.43	304.60	306.57	307.20	306.59	304.63	301.43
70	274.23	280.71	286.22	290.72	293.88	295.88	296.52	295.91	293.92	290.74
71	263.42	269.94	275.47	280.43	284.01	286.24	286.96	286.26	284.03	280.45
72	252.70	259.51	265.76	270.87	274.46	276.67	277.39	276.68	274.46	270.86
73	242.56	249.99	256.24	261.31	264.92	267.11	267.82	267.11	264.88	261.27
74	233.04	240.45	246.74	251.76	255.38	257.55	258.25	257.54	255.31	251.70
75	223.55	230.98	237.22	242.22	245.83	247.99	248.69	247.97	245.73	242.12
76	214.11	221.54	227.73	232.69	236.28	238.44	239.12	238.40	236.17	232.55
77	204.72	212.09	218.25	223.17	226.74	228.89	229.55	228.82	226.60	223.00
78	195.36	202.68	208.79	213.66	217.20	219.33	219.98	219.25	217.05	213.45
79	186.03	193.28	199.34	204.15	207.67	209.77	210.42	209.68	207.49	203.90
80	176.73	183.90	189.91	194.65	198.14	200.22	200.85	200.11	197.94	194.37
81	167.47	174.71	181.36	186.61	190.48	192.78	193.50	192.68	190.28	186.33
82	159.64	167.48	174.09	179.31	183.14	185.43	186.14	185.34	182.96	179.05
83	152.51	160.28	166.83	172.01	175.81	178.08	178.79	178.00	175.64	171.77
84	145.42	153.10	159.58	164.71	168.48	170.73	171.44	170.66	168.32	164.50
85	138.36	145.93	152.35	157.42	161.15	163.38	164.08	163.32	161.01	157.24
86	131.32	138.78	145.12	150.13	153.82	156.03	156.73	155.98	153.70	149.98
87	124.29	131.64	137.90	142.85	146.50	148.68	149.38	148.65	146.39	142.72
88	117.29	124.52	130.69	135.57	139.17	141.34	142.03	141.31	139.09	135.48
89	110.31	117.41	123.49	128.30	131.85	133.99	134.67	133.97	131.78	128.23
90	103.33	110.31	116.29	121.02	124.53	126.65	127.32	126.64	124.48	120.99
91	98.77	105.64	111.52	116.19	119.64	121.72	122.39	121.71	119.59	116.14
92	94.22	100.98	106.77	111.36	114.76	116.80	117.45	116.78	114.69	111.30
93	89.68	96.33	102.01	106.53	109.87	111.88	112.52	111.86	109.80	106.45
94	85.15	91.68	97.26	101.71	104.98	106.96	107.59	106.93	104.91	101.62
95	80.64	87.05	92.52	96.89	100.10	102.04	102.65	102.01	100.02	96.78
96	76.13	82.42	87.78	92.07	95.21	97.11	97.72	97.08	95.13	91.95
97	71.63	77.80	83.05	87.25	90.33	92.20	92.79	92.16	90.24	87.11
98	67.14	73.18	78.31	82.43	85.45	87.27	87.85	87.23	85.35	82.29
99	63.33	68.56	73.58	77.62	80.57	82.36	82.92	82.31	80.46	77.46
100	60.99	65.95	70.16	73.56	76.03	77.52	77.99	77.47	75.91	73.39
101	58.65	63.52	67.65	70.99	73.42	74.89	75.35	74.85	73.32	70.84
102	56.31	61.09	65.15	68.42	70.81	72.26	72.72	72.22	70.72	68.30
103	53.97	58.66	62.65	65.86	68.20	69.62	70.08	69.59	68.13	65.75
104	51.63	56.23	60.15	63.30	65.60	66.99	67.44	66.97	65.54	63.21
105	49.30	53.80	57.65	60.73	62.99	64.36	64.81	64.34	62.94	60.67
106	46.97	51.38	55.15	58.17	60.39	61.73	62.17	61.71	60.35	58.13
107	44.65	48.95	52.65	55.61	57.78	59.10	59.54	59.09	57.76	55.58
108	42.83	46.54	50.14	53.05	55.17	56.47	56.90	56.46	55.16	53.04
109	41.52	44.90	47.77	50.48	52.57	53.84	54.26	53.83	52.57	50.50
110	40.21	43.54	46.35	48.62	50.28	51.28	51.62	51.28	50.28	48.64
111	38.91	42.17	44.94	47.16	48.79	49.78	50.11	49.78	48.79	47.17
112	37.60	40.80	43.52	45.70	47.30	48.27	48.59	48.27	47.30	45.71
113	36.30	39.43	42.10	44.24	45.81	46.76	47.08	46.76	45.81	44.25
114	35.00	38.07	40.68	42.78	44.32	45.25	45.57	45.25	44.31	42.79

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CANDELA TABULATION - (Cont.)

115	33.69	36.71	39.26	41.32	42.83	43.74	44.05	43.74	42.82	41.32
116	32.39	35.34	37.85	39.87	41.34	42.24	42.53	42.24	41.33	39.86
117	31.18	33.98	36.43	38.41	39.86	40.73	41.02	40.73	39.84	38.40
118	30.09	32.69	35.01	36.95	38.37	39.22	39.50	39.22	38.34	36.93
119	29.00	31.55	33.71	35.49	36.88	37.71	37.99	37.71	36.85	35.47
120	27.90	30.41	32.53	34.23	35.49	36.23	36.48	36.23	35.45	34.22
121	26.81	29.27	31.35	33.02	34.24	34.97	35.21	34.97	34.21	33.00
122	25.72	28.12	30.17	31.80	33.00	33.71	33.95	33.71	32.97	31.78
123	24.62	26.98	28.98	30.58	31.76	32.46	32.69	32.46	31.73	30.57
124	23.53	25.84	27.80	29.36	30.51	31.20	31.43	31.20	30.49	29.35
125	22.43	24.69	26.61	28.14	29.27	29.94	30.16	29.94	29.25	28.14
126	21.33	23.55	25.42	26.93	28.03	28.69	28.90	28.68	28.01	26.92
127	20.43	22.40	24.24	25.71	26.78	27.43	27.64	27.42	26.77	25.71
128	19.52	21.40	23.05	24.49	25.54	26.17	26.38	26.16	25.53	24.49
129	18.61	20.45	22.01	23.27	24.29	24.91	25.12	24.90	24.29	23.27
130	17.70	19.50	21.02	22.25	23.14	23.68	23.85	23.67	23.14	22.25
131	16.79	18.55	20.03	21.23	22.10	22.63	22.80	22.62	22.09	21.22
132	15.87	17.59	19.04	20.21	21.06	21.57	21.74	21.56	21.05	20.20
133	14.96	16.64	18.06	19.19	20.02	20.52	20.68	20.51	20.01	19.18
134	14.04	15.68	17.07	18.17	18.98	19.46	19.62	19.46	18.97	18.16
135	13.12	14.73	16.07	17.15	17.94	18.41	18.56	18.41	17.93	17.14
136	12.06	13.77	15.08	16.13	16.89	17.36	17.50	17.36	16.89	16.12
137	9.68	12.81	14.09	15.11	15.85	16.30	16.45	16.30	15.85	15.09
138	7.29	10.65	13.10	14.09	14.81	15.25	15.39	15.25	14.81	14.07
139	4.89	8.18	10.93	13.07	13.77	14.19	14.33	14.20	13.77	13.05
140	2.50	5.71	8.39	10.51	12.04	12.97	13.27	12.97	12.04	10.50
141	0.10	3.24	5.86	7.92	9.42	10.32	10.62	10.32	9.42	7.91
142	0.00	0.77	3.32	5.34	6.79	7.67	7.96	7.68	6.79	5.33
143	0.00	0.00	0.78	2.75	4.17	5.02	5.31	5.03	4.17	2.74
144	0.00	0.00	0.00	0.16	1.54	2.38	2.65	2.38	1.54	0.16
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

CANDELA TABULATION - (Cont.)

171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles	Horizontal Angles									
	<u>200</u>	<u>205</u>	<u>210</u>	<u>215</u>	<u>220</u>	<u>225</u>	<u>230</u>	<u>235</u>	<u>240</u>	<u>245</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	793.97	794.01	794.05	794.09	794.17	794.24	794.32	794.40	794.44	794.51
2	792.81	792.85	792.89	793.01	793.05	793.12	793.20	793.32	793.39	793.51
3	791.58	791.65	791.65	791.65	791.73	791.85	791.92	792.04	792.19	792.39
4	790.30	790.30	790.30	790.34	790.34	790.42	790.38	790.53	790.73	790.88
5	788.99	788.95	788.87	788.83	788.75	788.75	788.87	788.79	788.91	789.02
6	787.63	787.52	787.28	787.21	787.13	786.94	786.82	786.82	786.90	787.13
7	786.28	785.97	785.74	785.47	785.20	784.96	784.89	784.73	784.73	784.69
8	784.85	784.46	784.04	783.61	783.26	782.99	782.64	782.34	782.18	782.10
9	783.30	782.88	782.26	781.76	781.18	780.63	780.17	779.67	779.40	779.32
10	781.79	781.18	780.48	779.78	778.97	778.24	777.43	776.92	776.42	776.15
11	779.32	779.47	778.62	777.66	776.65	775.57	774.72	773.91	773.17	772.67
12	775.22	775.34	775.49	775.49	774.06	772.90	771.63	770.47	769.61	768.92
13	771.12	771.12	771.16	771.16	771.51	769.92	768.45	766.99	765.90	765.05
14	767.06	766.83	766.68	766.52	766.68	766.83	764.98	763.47	762.04	760.80
15	762.85	762.50	762.08	761.88	761.69	761.65	761.57	759.60	757.67	756.35
16	758.60	758.13	757.51	757.01	756.62	756.51	756.70	755.31	753.38	751.64
17	754.46	753.65	752.91	752.06	751.40	751.09	750.90	751.17	748.77	746.69
18	750.17	749.08	748.16	747.07	746.22	745.49	745.18	745.29	743.79	741.43
19	745.84	744.60	743.28	741.93	740.81	739.80	739.22	738.95	738.76	736.17
20	741.47	740.08	738.41	736.79	735.28	733.97	733.04	732.50	732.81	730.60
21	737.06	735.44	733.43	731.53	729.71	728.13	726.77	726.04	726.04	724.88
22	730.87	730.53	728.48	726.16	723.99	722.02	720.40	719.35	719.08	718.66
23	724.38	723.64	722.95	720.86	718.35	715.76	713.82	712.47	711.77	712.00
24	717.88	716.95	715.99	715.29	712.39	709.65	707.21	705.43	704.39	704.35
25	711.35	710.11	708.95	707.87	706.48	703.15	700.41	698.12	696.85	696.58
26	704.74	703.23	701.84	700.64	699.44	696.69	693.45	690.86	689.19	688.54
27	698.09	696.35	694.80	693.10	691.63	690.08	686.41	683.43	681.27	680.30
28	691.44	689.58	687.57	685.56	683.74	682.35	679.29	675.85	673.34	671.95
29	684.75	682.70	680.34	677.94	675.82	674.00	672.10	668.08	665.14	663.40
30	678.17	675.78	673.19	670.48	667.81	665.65	664.10	660.31	656.83	654.74
31	671.60	668.89	665.96	662.79	659.85	657.14	655.21	652.35	648.44	645.89
32	664.02	661.93	658.65	655.13	651.80	648.79	646.47	644.30	639.93	636.92
33	655.59	654.09	651.30	647.51	643.72	640.28	637.38	635.41	631.23	627.83
34	647.16	645.42	643.49	639.86	635.64	631.62	628.34	625.94	622.50	618.55
35	638.70	636.61	634.52	632.09	627.52	623.19	619.25	616.43	613.68	609.35
36	630.15	627.91	625.40	623.00	619.33	614.38	610.12	606.76	604.75	599.84
37	621.68	619.09	616.27	613.57	611.17	605.76	601.00	597.13	594.70	590.21
38	613.18	610.39	607.26	604.21	601.27	597.06	591.80	587.35	584.41	580.55
39	604.75	601.66	598.22	594.77	591.57	588.39	582.56	577.68	574.17	570.84
40	596.24	592.76	589.09	585.42	581.55	578.57	573.32	567.86	563.84	560.94
41	587.74	583.99	579.97	575.91	571.77	568.13	564.00	558.00	553.52	550.85

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

42	578.88	575.25	570.96	566.51	561.91	557.93	554.64	548.18	543.12	539.95
43	569.06	566.24	561.91	556.92	552.05	547.53	543.89	538.36	532.64	529.04
44	559.24	556.15	552.82	547.53	542.19	537.28	533.10	528.54	522.20	518.03
45	549.38	546.10	542.62	538.05	532.45	526.96	522.32	518.68	511.80	507.01
46	539.45	536.08	532.33	528.27	522.51	516.67	511.57	507.62	501.40	495.87
47	529.66	526.07	522.01	517.60	512.77	506.39	500.78	496.37	490.88	484.89
48	519.88	516.02	511.76	507.04	502.48	496.14	490.03	485.12	480.41	473.91
49	510.10	505.96	501.40	496.45	491.50	485.97	479.28	473.83	469.93	462.81
50	500.32	495.95	491.12	485.86	480.68	475.57	468.57	462.58	458.37	451.72
51	490.50	485.97	480.87	475.34	469.77	464.32	457.90	451.45	446.57	440.58
52	480.44	476.11	470.62	464.90	458.91	453.07	447.35	440.23	434.86	429.64
53	469.62	465.87	460.49	454.46	448.12	441.90	436.25	429.10	423.10	418.50
54	458.75	454.81	450.29	444.06	437.37	430.76	424.69	418.04	411.51	407.37
55	447.89	443.79	439.03	433.70	426.66	419.66	413.21	407.06	399.94	395.07
56	437.06	432.89	427.90	422.76	416.03	408.72	401.72	395.69	388.23	382.89
57	426.28	421.91	416.72	411.43	405.47	397.78	390.39	383.84	376.77	370.75
58	415.49	410.93	405.67	399.98	394.07	386.95	379.03	372.00	365.31	358.60
59	404.70	400.02	394.53	388.65	382.43	376.05	367.80	360.34	353.93	346.59
60	393.91	389.12	383.42	377.28	370.91	364.47	356.69	348.72	342.04	334.60
61	383.18	378.22	372.37	366.01	359.35	352.68	345.60	337.12	329.86	322.79
62	372.39	367.39	361.38	354.77	347.82	340.97	334.24	325.67	317.88	310.99
63	361.63	356.53	350.42	343.66	336.49	329.26	322.20	314.38	305.97	299.37
64	350.83	345.61	339.46	332.58	325.17	317.61	310.25	303.17	294.24	287.06
65	340.02	334.71	328.47	321.50	313.97	306.18	298.46	291.22	282.60	274.80
66	329.26	323.88	317.52	310.44	302.78	294.70	286.76	279.11	271.10	262.74
67	318.50	313.06	306.66	299.41	291.58	283.31	275.02	267.11	259.80	250.65
68	307.73	302.26	295.79	288.46	280.51	272.07	263.47	255.26	247.63	238.91
69	296.99	291.49	284.93	277.58	269.55	260.88	252.14	243.53	235.57	227.28
70	286.30	280.75	274.14	266.76	258.65	249.90	240.77	231.82	223.54	215.76
71	275.61	270.05	263.45	255.97	247.77	238.91	229.74	220.38	211.77	203.99
72	265.86	259.62	252.74	245.24	236.94	228.08	218.76	209.15	200.10	191.89
73	256.27	249.99	242.60	234.56	226.26	217.30	207.90	198.11	188.62	179.99
74	246.70	240.42	233.01	224.55	215.60	206.62	197.18	187.29	177.36	168.32
75	237.13	230.86	223.45	214.98	205.64	196.06	186.51	176.63	166.49	156.90
76	227.58	221.32	213.92	205.45	196.15	185.98	176.02	166.12	155.90	145.69
77	218.04	211.78	204.43	196.00	186.69	176.58	165.85	155.76	145.55	135.02
78	208.51	202.28	194.97	186.59	177.34	167.32	156.59	145.50	135.31	124.68
79	198.99	192.82	185.56	177.22	168.06	158.10	147.45	136.22	125.26	114.61
80	189.51	183.37	176.18	167.89	158.84	148.95	138.35	127.31	115.78	104.80
81	180.95	174.12	166.83	158.58	149.66	139.89	129.46	118.54	107.18	95.24
82	173.73	166.96	158.99	149.80	140.51	130.90	120.63	109.86	98.75	86.78
83	166.50	159.82	151.89	142.82	132.95	122.20	111.89	101.32	90.44	78.91
84	159.29	152.70	144.80	135.87	126.12	115.50	104.25	92.87	82.29	71.22
85	152.09	145.59	137.75	128.95	119.34	108.88	97.83	86.23	74.37	63.71
86	144.89	138.50	130.71	122.07	112.61	102.34	91.50	80.17	68.61	56.88
87	137.71	131.42	123.70	115.21	105.91	95.86	85.24	74.19	62.96	51.62
88	130.54	124.36	116.71	108.37	99.25	89.42	79.04	68.29	57.41	46.50
89	123.37	117.31	109.74	101.56	92.62	83.00	72.89	62.45	51.95	41.50
90	116.22	110.27	102.79	94.77	86.02	76.63	66.78	56.68	46.56	36.60
91	111.44	105.57	98.24	90.36	81.76	72.56	62.92	53.08	43.25	33.64
92	106.66	100.88	93.71	85.97	77.53	68.51	59.10	49.52	39.98	30.74
93	101.89	96.20	89.19	81.60	73.33	64.50	55.31	46.00	36.76	27.89
94	97.12	91.53	84.69	77.24	69.14	60.50	51.55	42.51	33.58	25.07
95	92.37	86.86	80.20	72.90	64.96	56.53	47.81	39.04	30.42	23.34
96	87.61	82.20	75.72	68.56	60.81	52.57	44.09	35.98	28.84	22.02
97	82.86	77.55	71.24	64.24	56.66	48.63	41.39	34.32	27.35	20.71

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CANDELA TABULATION - (Cont.)

98	78.11	72.90	66.77	59.93	53.16	46.47	39.58	32.67	25.88	19.42
99	73.36	68.26	62.98	57.26	51.08	44.53	37.78	31.03	24.43	18.26
100	69.95	65.68	60.68	55.07	49.00	42.59	36.00	29.41	22.97	17.45
101	67.47	63.28	58.38	52.88	46.94	40.66	34.23	27.79	21.89	16.65
102	64.99	60.88	56.07	50.70	44.88	38.75	32.45	26.31	21.01	15.86
103	62.52	58.49	53.78	48.52	42.82	36.83	30.69	25.34	20.14	15.09
104	60.04	56.10	51.49	46.34	40.78	34.92	29.53	24.39	19.28	14.35
105	57.56	53.71	49.20	44.17	38.73	33.46	28.49	23.44	18.41	13.71
106	55.09	51.32	46.91	42.00	37.04	32.35	27.47	22.50	17.56	13.08
107	52.61	48.94	44.62	40.19	35.85	31.24	26.44	21.56	16.84	12.45
108	50.14	46.55	42.82	38.94	34.67	30.14	25.42	20.63	16.15	11.82
109	47.79	44.91	41.51	37.69	33.49	29.04	24.40	19.81	15.45	11.19
110	46.37	43.53	40.20	36.44	32.32	27.95	23.39	19.04	14.75	10.62
111	44.94	42.16	38.88	35.19	31.15	26.85	22.49	18.27	14.06	10.11
112	43.52	40.79	37.57	33.95	29.98	25.76	21.66	17.51	13.36	9.60
113	42.10	39.41	36.26	32.70	28.81	24.81	20.82	16.75	12.70	9.09
114	40.68	38.04	34.95	31.47	27.67	23.92	19.99	15.99	12.13	8.58
115	39.25	36.67	33.64	30.22	26.70	23.01	19.16	15.22	11.56	8.06
116	37.83	35.30	32.33	29.13	25.73	22.11	18.33	14.49	10.98	7.54
117	36.41	33.93	31.12	28.09	24.77	21.21	17.50	13.87	10.41	6.72
118	34.98	32.65	30.03	27.06	23.80	20.31	16.66	13.24	9.83	5.09
119	33.69	31.51	28.94	26.03	22.83	19.41	15.92	12.60	9.26	3.45
120	32.51	30.37	27.85	25.00	21.86	18.50	15.23	11.97	8.67	1.82
121	31.33	29.24	26.76	23.97	20.89	17.64	14.54	11.33	7.84	0.19
122	30.15	28.10	25.67	22.93	19.92	16.89	13.84	10.69	6.12	0.00
123	28.97	26.96	24.59	21.90	18.99	16.14	13.15	10.04	4.39	0.00
124	27.79	25.82	23.50	20.87	18.18	15.38	12.44	9.40	2.66	0.00
125	26.61	24.68	22.41	19.92	17.37	14.62	11.74	7.99	0.92	0.00
126	25.43	23.54	21.32	19.05	16.56	13.86	11.03	6.15	0.00	0.00
127	24.24	22.40	20.40	18.19	15.74	13.10	10.32	4.30	0.00	0.00
128	23.06	21.40	19.49	17.32	14.92	12.34	8.93	2.46	0.00	0.00
129	22.02	20.45	18.58	16.46	14.11	11.57	6.98	0.60	0.00	0.00
130	21.02	19.49	17.66	15.58	13.29	10.80	5.02	0.00	0.00	0.00
131	20.03	18.53	16.74	14.71	12.46	8.89	3.06	0.00	0.00	0.00
132	19.04	17.57	15.82	13.84	11.64	6.83	1.09	0.00	0.00	0.00
133	18.04	16.61	14.91	12.96	10.00	4.75	0.00	0.00	0.00	0.00
134	17.05	15.65	13.99	12.09	7.82	2.67	0.00	0.00	0.00	0.00
135	16.06	14.69	13.07	10.25	5.63	0.59	0.00	0.00	0.00	0.00
136	15.06	13.73	12.01	7.96	3.45	0.00	0.00	0.00	0.00	0.00
137	14.06	12.76	9.63	5.68	1.25	0.00	0.00	0.00	0.00	0.00
138	13.07	10.61	7.25	3.39	0.00	0.00	0.00	0.00	0.00	0.00
139	10.90	8.16	4.87	1.09	0.00	0.00	0.00	0.00	0.00	0.00
140	8.37	5.70	2.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	5.85	3.23	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	3.31	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>250</u>	<u>255</u>	<u>260</u>	<u>265</u>	<u>270</u>	<u>275</u>	<u>280</u>	<u>285</u>	<u>290</u>	<u>295</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	794.59	794.71	794.79	794.90	794.98	794.86	794.75	794.63	794.51	794.40
2	793.70	793.90	794.09	794.28	794.48	794.21	793.97	793.74	793.47	793.28
3	792.58	792.74	792.97	793.24	793.51	793.16	792.81	792.54	792.27	792.00
4	791.23	791.46	791.73	792.04	792.43	791.96	791.54	791.15	790.80	790.38
5	789.22	789.53	789.88	790.30	790.80	790.18	789.64	789.18	788.75	788.41
6	787.28	787.48	787.90	788.44	789.02	788.29	787.63	787.05	786.67	786.40
7	784.89	785.08	785.54	786.12	786.82	785.93	785.16	784.54	784.15	783.80
8	782.10	782.41	782.84	783.46	784.23	783.26	782.45	781.79	781.33	781.10
9	779.28	779.40	779.82	780.56	781.41	780.32	779.36	778.74	778.43	778.20
10	775.96	776.11	776.42	777.08	778.01	776.85	775.96	775.41	774.99	774.95
11	772.36	772.36	772.67	773.37	774.33	773.09	772.17	771.63	771.35	771.39
12	768.53	768.49	768.80	769.42	770.43	769.11	768.18	767.64	767.41	767.57
13	764.51	764.24	764.36	764.98	766.06	764.67	763.74	763.27	763.24	763.51
14	759.95	759.60	759.79	760.37	761.50	760.06	759.10	758.63	758.63	759.18
15	755.35	754.81	754.88	755.35	756.47	755.00	754.15	753.65	753.92	754.57
16	750.36	749.70	749.70	750.21	751.40	749.86	749.01	748.62	748.89	749.66
17	745.22	744.37	744.17	744.64	745.84	744.25	743.36	743.21	743.67	744.75
18	739.80	738.68	738.45	738.92	740.19	738.49	737.60	737.45	738.10	739.46
19	734.20	732.88	732.34	732.77	734.04	732.27	731.41	731.53	732.42	733.97
20	728.24	726.66	725.96	726.16	727.51	725.69	724.96	725.15	726.27	728.28
21	722.02	720.09	719.43	719.58	720.90	719.08	718.38	718.58	719.93	722.29
22	715.64	713.47	712.43	712.58	713.98	712.04	711.39	711.89	713.51	715.95
23	708.99	706.67	705.43	705.43	706.79	704.85	704.31	705.01	706.79	709.26
24	702.22	699.44	697.97	697.93	699.28	697.31	696.81	697.70	699.98	701.60

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CANDELA TABULATION - (Cont.)

25	695.15	692.05	690.39	690.12	691.47	689.46	689.15	690.16	692.63	693.72
26	687.88	684.44	682.50	682.08	683.43	681.46	681.27	682.47	685.21	685.37
27	680.42	676.59	674.42	673.96	675.24	673.30	673.07	674.73	677.63	677.05
28	671.99	668.66	666.11	665.53	666.84	664.83	664.83	666.57	669.40	668.55
29	663.21	660.47	657.72	656.87	658.15	656.21	656.33	658.30	660.43	660.08
30	654.28	652.04	649.02	648.09	649.29	647.32	647.59	649.91	651.34	651.22
31	645.04	643.49	640.09	639.05	640.44	638.27	638.54	641.13	642.14	642.29
32	635.72	634.68	631.16	629.84	631.00	629.07	629.50	632.28	632.59	633.28
33	626.25	625.71	621.80	620.29	621.49	619.48	620.14	623.31	623.08	624.08
34	616.58	616.58	612.29	610.74	611.86	609.85	610.63	614.15	613.41	614.65
35	606.80	606.76	602.74	600.84	602.00	599.99	601.04	604.13	603.59	605.29
36	596.94	596.59	593.07	590.95	591.91	590.10	591.26	593.96	593.54	595.66
37	586.96	586.23	583.06	580.78	581.74	579.89	581.32	583.64	583.45	586.00
38	576.91	575.79	573.08	570.38	571.27	569.49	571.23	573.12	573.39	576.29
39	566.59	565.23	562.76	560.05	560.83	559.13	560.90	562.49	563.07	566.39
40	556.30	554.49	552.51	549.42	550.12	548.45	550.58	551.55	552.63	556.54
41	545.94	543.66	542.15	538.71	539.37	537.74	540.14	540.80	542.19	546.29
42	535.39	532.80	531.44	527.81	528.35	526.84	529.43	529.82	531.67	535.31
43	524.87	521.70	520.81	517.02	517.52	515.90	518.84	518.68	520.96	524.25
44	514.16	510.68	510.10	505.89	506.27	504.80	507.97	507.55	510.18	513.23
45	503.45	499.54	499.23	494.67	494.90	493.55	497.03	496.33	499.35	502.10
46	492.86	488.22	487.71	483.46	483.77	482.34	485.62	484.93	488.60	490.92
47	481.76	476.85	476.19	472.01	471.94	470.89	474.03	473.52	477.35	479.71
48	470.16	465.56	464.40	460.42	460.42	459.29	462.04	462.08	465.71	468.57
49	458.64	454.07	452.45	448.86	448.55	447.77	450.09	450.56	453.92	457.48
50	446.77	442.51	440.54	437.22	436.71	435.94	438.18	439.00	442.13	446.23
51	435.09	430.99	428.48	425.39	424.96	424.15	426.04	427.47	430.41	435.09
52	423.41	419.35	416.45	413.59	413.01	412.28	413.94	415.72	418.70	424.07
53	411.70	407.68	404.31	401.72	401.03	400.41	401.80	403.97	406.94	412.86
54	399.98	396.12	392.29	389.74	388.69	388.38	389.62	392.25	395.11	401.57
55	388.31	384.29	380.06	377.72	376.61	376.39	377.35	380.41	383.35	389.20
56	376.75	371.99	367.78	365.61	364.28	364.24	365.10	367.90	371.70	376.93
57	365.12	359.66	355.49	353.33	352.06	351.97	352.76	355.53	360.07	364.66
58	353.60	347.36	343.11	341.22	339.40	339.78	340.36	343.28	348.49	352.55
59	342.08	335.08	330.82	328.92	327.14	327.47	327.97	330.94	336.86	340.40
60	329.83	322.78	318.51	316.59	314.42	315.08	315.53	318.70	324.58	328.49
61	317.19	310.64	306.14	304.38	301.98	302.73	303.16	306.38	311.82	316.49
62	304.66	298.55	293.72	291.90	289.24	290.15	290.75	294.17	299.25	304.65
63	292.16	286.39	281.42	279.47	276.59	277.78	278.29	281.96	286.82	292.84
64	279.89	274.45	269.06	266.97	263.86	265.22	265.84	269.95	274.37	280.64
65	267.62	262.46	256.49	254.02	251.14	252.29	253.26	257.85	262.06	268.32
66	255.48	250.45	243.78	241.06	238.40	239.27	240.54	245.82	249.90	256.14
67	243.47	237.53	231.12	228.08	225.65	226.26	227.74	232.96	237.88	244.10
68	231.50	224.76	218.48	215.14	212.56	213.34	215.21	220.12	225.81	232.24
69	219.10	212.18	205.94	202.20	199.95	200.39	202.58	207.54	213.38	220.50
70	206.89	199.72	193.59	189.49	187.27	187.50	190.17	195.03	201.14	208.98
71	194.92	187.51	181.43	176.73	174.39	174.84	177.93	182.81	189.14	197.18
72	183.20	175.36	169.41	163.98	161.80	162.07	165.91	170.67	177.38	185.05
73	171.76	163.50	157.64	151.39	149.14	149.45	154.04	158.77	165.87	173.25
74	160.52	151.43	145.22	139.11	136.68	137.10	141.60	146.58	154.57	161.59
75	148.50	139.78	132.81	126.99	124.31	124.89	129.19	134.96	142.63	150.15
76	137.00	128.39	120.78	114.91	112.06	112.85	117.18	123.54	131.18	138.95
77	125.72	117.36	109.17	103.08	100.10	101.01	105.48	112.32	119.90	128.27
78	114.77	106.36	97.99	91.45	88.50	89.25	94.15	101.22	108.94	118.00
79	104.22	95.29	86.90	80.36	77.09	78.02	83.06	90.32	98.41	108.00
80	94.42	84.86	76.39	69.63	66.01	67.19	72.36	79.93	88.73	98.21

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CANDELA TABULATION - (Cont.)

81	84.99	74.89	66.48	59.60	55.48	56.91	62.32	70.02	79.32	88.66
82	75.94	65.75	57.10	49.84	45.28	46.94	52.85	60.87	70.30	80.32
83	67.26	57.33	48.06	40.50	36.00	37.42	43.83	52.50	61.70	72.59
84	59.93	49.34	39.70	32.16	27.41	28.79	35.51	44.56	54.52	64.99
85	52.85	42.16	32.63	24.96	19.83	21.39	28.54	37.51	47.59	57.56
86	46.05	36.04	26.47	18.88	13.25	15.21	22.45	31.53	40.93	50.88
87	40.30	30.21	21.30	13.59	7.95	10.07	17.42	25.85	35.34	45.95
88	35.79	25.70	16.92	10.07	4.11	6.61	13.11	21.48	31.04	41.13
89	31.41	22.06	13.85	7.66	1.96	4.21	10.15	17.98	26.87	36.41
90	27.16	18.57	11.33	6.30	1.62	2.86	7.71	14.63	22.82	31.78
91	24.61	16.52	9.89	5.57	0.00	2.24	6.37	12.70	20.41	28.98
92	22.13	14.53	8.66	5.08	0.00	1.99	5.26	10.84	18.07	26.25
93	19.70	12.97	7.95	4.59	0.00	1.82	4.71	9.41	15.78	23.56
94	17.98	12.04	7.33	4.13	0.00	1.70	4.26	8.61	14.19	20.90
95	16.84	11.12	6.79	3.73	0.00	1.60	3.92	7.84	13.19	19.31
96	15.73	10.39	6.28	3.17	0.00	1.41	3.61	7.25	12.21	18.12
97	14.63	9.76	5.83	0.25	0.00	0.12	3.37	6.79	11.25	16.94
98	13.86	9.14	5.38	0.00	0.00	0.00	3.12	6.33	10.63	15.77
99	13.14	8.57	4.99	0.00	0.00	0.00	2.92	5.92	10.05	14.75
100	12.44	8.06	4.62	0.00	0.00	0.00	2.73	5.59	9.49	14.08
101	11.74	7.56	4.26	0.00	0.00	0.00	2.53	5.25	8.94	13.42
102	11.13	7.05	3.42	0.00	0.00	0.00	2.05	4.91	8.49	12.76
103	10.57	6.62	1.61	0.00	0.00	0.00	0.98	4.64	8.07	12.12
104	10.00	6.22	0.00	0.00	0.00	0.00	0.00	4.38	7.65	11.52
105	9.43	5.83	0.00	0.00	0.00	0.00	0.00	4.12	7.23	11.02
106	8.87	5.42	0.00	0.00	0.00	0.00	0.00	3.84	6.80	10.53
107	8.41	5.01	0.00	0.00	0.00	0.00	0.00	3.54	6.48	10.05
108	7.96	3.57	0.00	0.00	0.00	0.00	0.00	2.55	6.14	9.56
109	7.51	1.99	0.00	0.00	0.00	0.00	0.00	1.44	5.80	9.07
110	7.05	0.44	0.00	0.00	0.00	0.00	0.00	0.32	5.45	8.62
111	6.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.10	8.23
112	6.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.75	7.83
113	4.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.70	7.43
114	3.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	7.03
115	1.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.28	6.62
116	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	6.21
117	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.55
118	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.23
119	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.89
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.53
121	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
122	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
123	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
126	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
127	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
128	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
129	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
131	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
134	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
136	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

137	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
139	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
141	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>305</u>	<u>310</u>	<u>315</u>	<u>320</u>	<u>325</u>	<u>330</u>	<u>335</u>	<u>340</u>	<u>345</u>
0	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09	795.09
1	794.28	794.21	794.13	794.01	793.93	793.86	793.78	793.74	793.70	793.66
2	793.08	792.97	792.81	792.70	792.58	792.50	792.39	792.31	792.27	792.19
3	791.73	791.50	791.34	791.23	791.03	790.92	790.84	790.80	790.73	790.73
4	790.15	789.88	789.64	789.57	789.41	789.33	789.26	789.18	789.18	789.14
5	788.25	788.02	787.90	787.75	787.63	787.59	787.56	787.59	787.56	787.59
6	786.01	785.89	785.70	785.82	785.78	785.82	785.82	785.89	785.97	785.97
7	783.69	783.53	783.57	783.61	783.69	783.84	784.00	784.15	784.31	784.42

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CANDELA TABULATION - (Cont.)

8	780.98	780.94	781.14	781.25	781.48	781.76	782.06	782.37	782.61	782.84
9	778.08	778.20	778.39	778.74	779.20	779.63	780.13	780.44	780.87	781.21
10	774.99	775.26	775.53	776.11	776.69	777.39	778.04	778.82	779.09	779.55
11	771.63	772.09	772.75	773.29	774.14	774.99	775.80	776.65	776.30	776.19
12	767.99	768.61	769.46	770.54	771.39	772.48	772.48	772.24	772.13	771.93
13	764.12	765.01	766.10	767.33	768.65	768.15	767.84	767.68	767.76	767.68
14	760.03	761.19	762.62	764.09	763.58	763.24	763.12	763.20	763.39	763.39
15	755.70	757.13	758.83	758.83	758.48	758.40	758.44	758.56	758.83	759.06
16	751.09	752.87	753.76	753.38	753.22	753.34	753.53	753.96	754.34	754.81
17	746.30	748.43	748.00	747.73	747.92	748.23	748.77	749.28	749.86	750.48
18	741.43	742.36	741.97	742.05	742.40	743.05	743.71	744.56	745.29	746.07
19	736.25	736.05	735.74	736.13	736.75	737.76	738.76	739.73	740.73	741.74
20	730.10	729.44	729.52	730.14	731.14	732.27	733.70	734.89	736.21	737.14
21	723.14	722.79	723.14	723.99	725.34	726.85	728.59	730.02	731.61	732.03
22	715.99	715.91	716.49	717.77	719.39	721.28	723.29	724.96	725.23	725.54
23	708.53	708.87	709.84	711.39	713.44	715.76	717.53	718.08	718.50	718.85
24	701.10	701.72	703.00	704.89	707.37	709.99	710.46	711.12	711.66	712.28
25	693.37	694.30	696.15	698.36	701.10	702.34	703.11	704.12	704.89	705.70
26	685.67	686.91	689.08	691.71	693.91	694.84	695.88	697.04	698.09	699.13
27	677.55	679.26	681.81	685.06	686.02	687.22	688.57	689.97	691.32	692.44
28	669.40	671.56	674.58	677.25	678.02	679.45	681.23	682.89	684.55	685.87
29	661.08	663.64	667.08	668.62	669.98	671.76	673.77	675.82	677.71	679.18
30	652.81	655.63	658.96	660.08	661.90	663.98	666.34	668.74	670.87	672.57
31	644.23	647.59	649.95	651.46	653.82	656.33	659.03	661.59	664.02	666.65
32	635.57	639.39	640.90	642.95	645.54	648.44	651.61	654.43	656.33	657.29
33	626.90	630.35	631.74	634.29	637.27	640.67	644.03	646.47	647.74	648.90
34	617.93	620.76	622.69	625.55	629.03	632.74	636.11	637.54	639.08	640.44
35	608.93	611.13	613.41	616.74	620.60	624.93	626.83	628.68	630.50	632.01
36	599.88	601.39	604.25	607.96	612.37	615.69	617.66	619.75	621.80	623.62
37	589.79	591.57	594.93	599.03	604.09	606.06	608.46	610.94	613.14	615.19
38	579.39	581.78	585.57	590.25	594.19	596.48	599.22	602.00	604.56	606.68
39	568.99	571.92	576.22	581.55	584.14	586.93	589.94	593.07	595.90	598.25
40	558.62	562.03	566.82	571.61	574.13	577.30	580.78	584.10	587.27	589.79
41	548.15	552.17	557.50	560.98	564.15	567.75	571.58	575.17	578.61	581.32
42	537.71	542.07	548.11	550.58	554.14	558.24	562.22	566.32	569.57	571.34
43	527.19	532.10	537.16	540.18	544.20	548.53	553.09	557.08	559.55	561.56
44	516.67	522.16	526.22	529.78	534.23	539.02	543.89	546.83	549.58	551.78
45	506.12	512.15	515.28	519.42	524.25	529.51	533.49	536.62	539.60	541.92
46	495.56	501.13	504.30	508.98	514.24	519.57	523.05	526.49	529.62	532.14
47	484.97	489.72	493.47	498.54	504.30	508.82	512.57	516.40	519.69	522.36
48	474.45	478.36	482.57	488.18	493.94	498.15	502.21	506.19	509.75	512.54
49	463.82	466.99	471.74	477.78	482.92	487.40	491.85	496.06	499.81	502.75
50	452.06	455.70	461.00	467.34	471.90	476.73	481.53	485.93	489.84	492.97
51	440.27	444.45	450.25	455.97	460.96	466.10	471.13	475.88	479.90	483.19
52	428.52	433.16	439.46	444.76	449.94	455.51	460.80	465.79	469.77	472.44
53	416.69	421.87	428.32	433.47	439.11	444.95	450.56	455.43	458.79	461.65
54	404.89	410.73	416.69	422.18	428.29	434.43	440.43	444.37	447.89	450.87
55	393.22	399.56	405.13	411.00	417.38	423.84	429.06	433.20	436.99	440.08
56	381.55	388.35	393.60	399.91	406.67	412.86	417.81	422.18	426.08	429.29
57	370.01	376.41	382.10	388.81	395.96	401.45	406.48	411.16	415.18	418.54
58	358.49	364.43	370.68	377.87	384.56	390.01	395.27	400.10	404.27	407.75
59	346.99	352.68	359.40	367.01	372.83	378.56	384.07	389.12	393.45	397.01
60	334.98	340.91	348.12	355.32	361.26	367.21	372.89	378.10	382.63	386.28
61	322.71	329.32	336.94	343.50	349.71	355.89	361.74	367.13	371.79	375.55
62	310.71	317.76	325.59	331.73	338.11	344.59	350.69	356.20	360.92	364.72
63	298.73	306.39	313.53	320.00	326.69	333.40	339.60	345.26	350.03	353.90

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CANDELA TABULATION - (Cont.)

64	286.93	295.07	301.52	308.32	315.32	322.23	328.59	334.27	339.17	343.07
65	275.28	283.09	289.68	296.74	304.01	311.07	317.54	323.29	328.30	332.25
66	263.70	270.97	277.90	285.25	292.72	299.94	306.54	312.38	317.43	321.41
67	252.32	258.94	266.23	273.82	281.54	288.85	295.57	301.50	306.57	310.59
68	240.23	247.05	254.62	262.54	270.37	277.86	284.65	290.64	295.73	299.82
69	228.07	235.30	243.20	251.38	259.41	266.92	273.78	279.80	284.92	289.06
70	216.05	223.61	231.92	240.28	248.45	256.06	262.98	269.04	274.15	278.29
71	204.21	212.16	220.74	229.30	237.57	245.21	252.17	258.25	263.38	267.96
72	192.56	200.85	209.76	218.46	226.70	234.41	241.40	247.78	253.67	258.41
73	181.08	189.87	198.91	207.64	215.95	223.63	231.23	238.22	244.13	248.86
74	169.66	179.03	188.16	196.94	205.25	213.64	221.71	228.71	234.60	239.32
75	159.01	168.35	177.49	186.31	195.31	204.18	212.23	219.21	225.09	229.79
76	148.42	157.78	166.94	176.26	185.96	194.76	202.78	209.73	215.59	220.28
77	138.02	147.40	156.72	166.97	176.58	185.40	193.35	200.27	206.12	210.78
78	127.84	137.14	147.64	157.81	167.32	176.08	183.96	190.85	196.65	201.27
79	117.81	127.99	138.64	148.71	158.11	166.79	174.61	181.45	187.20	191.78
80	108.29	119.24	129.69	139.68	148.97	157.55	165.29	172.06	177.76	182.30
81	99.79	110.60	120.90	130.72	139.91	148.34	156.01	162.87	169.32	174.47
82	91.48	102.09	112.18	121.84	130.87	139.69	148.39	155.94	162.32	167.47
83	83.37	93.69	103.55	113.25	123.56	132.98	141.57	149.04	155.33	160.48
84	75.45	85.41	96.10	106.87	117.02	126.30	134.78	142.15	148.34	153.50
85	67.72	79.01	90.00	100.55	110.53	119.67	128.01	135.28	141.37	146.52
86	62.24	73.22	83.96	94.29	104.07	113.06	121.26	128.42	134.41	139.54
87	56.85	67.51	77.98	88.08	97.66	106.48	114.54	121.58	127.45	132.58
88	51.55	61.88	72.07	81.91	91.28	99.93	107.83	114.76	120.51	125.61
89	46.34	56.32	66.21	75.79	84.94	93.40	101.15	107.94	113.57	118.65
90	41.20	50.81	60.38	69.70	78.62	86.89	94.48	101.13	106.64	111.69
91	38.07	47.41	56.75	65.86	74.61	82.74	90.20	96.76	102.19	107.12
92	35.00	44.05	53.14	62.06	70.62	78.61	85.94	92.39	97.76	102.56
93	31.97	40.72	49.57	58.28	66.65	74.49	81.69	88.03	93.32	98.00
94	28.97	37.43	46.03	54.52	62.71	70.38	77.45	83.68	88.90	93.44
95	25.99	34.16	42.50	50.79	58.77	66.29	73.22	79.34	84.47	88.89
96	24.55	31.29	39.00	47.07	54.86	62.21	69.00	75.00	80.05	84.33
97	23.19	29.76	36.47	43.35	50.96	58.15	64.79	70.66	75.64	79.78
98	21.84	28.25	34.80	41.34	47.67	54.09	60.58	66.33	71.22	75.23
99	20.51	26.74	33.14	39.53	45.72	51.59	57.01	62.01	66.79	70.69
100	19.19	25.25	31.48	37.72	43.79	49.53	54.85	59.58	63.61	66.86
101	18.25	23.77	29.84	35.93	41.86	47.49	52.68	57.33	61.28	64.47
102	17.50	22.42	28.20	34.14	39.94	45.44	50.53	55.08	58.95	62.08
103	16.77	21.59	26.56	32.36	38.02	43.40	48.38	52.83	56.62	59.69
104	16.04	20.77	25.53	30.58	36.10	41.36	46.23	50.59	54.30	57.30
105	15.31	19.96	24.64	29.26	34.20	39.32	44.09	48.35	51.98	54.91
106	14.59	19.16	23.75	28.29	32.65	37.28	41.94	46.10	49.66	52.53
107	14.02	18.35	22.87	27.32	31.61	35.61	39.80	43.86	47.33	50.14
108	13.45	17.56	21.99	26.36	30.57	34.51	38.15	41.62	45.01	47.75
109	12.89	16.86	21.11	25.41	29.53	33.41	36.98	40.13	42.81	45.36
110	12.33	16.23	20.24	24.45	28.50	32.31	35.82	38.92	41.55	43.66
111	11.77	15.60	19.47	23.50	27.48	31.21	34.66	37.70	40.28	42.35
112	11.21	14.96	18.77	22.55	26.45	30.12	33.49	36.47	39.02	41.05
113	10.67	14.33	18.07	21.74	25.43	29.02	32.33	35.25	37.75	39.74
114	10.21	13.70	17.37	20.97	24.42	27.93	31.17	34.04	36.49	38.44
115	9.76	13.07	16.66	20.19	23.58	26.83	30.01	32.82	35.22	37.14
116	9.30	12.47	15.96	19.42	22.74	25.87	28.85	31.61	33.96	35.83
117	8.83	11.95	15.25	18.65	21.90	24.97	27.77	30.39	32.69	34.53
118	8.36	11.43	14.54	17.87	21.06	24.08	26.82	29.26	31.43	33.23
119	7.89	10.91	13.91	17.10	20.23	23.18	25.86	28.25	30.28	31.92

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CANDELA TABULATION - (Cont.)

120	7.42	10.38	13.33	16.32	19.39	22.28	24.91	27.24	29.23	30.81
121	6.73	9.85	12.74	15.58	18.55	21.38	23.95	26.24	28.18	29.73
122	5.27	9.31	12.16	14.93	17.70	20.47	22.99	25.23	27.14	28.65
123	3.79	8.77	11.57	14.29	16.90	19.57	22.04	24.23	26.09	27.56
124	2.30	8.23	10.97	13.64	16.19	18.66	21.08	23.22	25.04	26.48
125	0.80	7.00	10.37	12.99	15.49	17.83	20.11	22.21	23.99	25.40
126	0.00	5.40	9.77	12.33	14.79	17.08	19.15	21.20	22.95	24.32
127	0.00	3.79	9.16	11.68	14.08	16.32	18.35	20.19	21.89	23.23
128	0.00	2.17	7.95	11.02	13.37	15.56	17.55	19.31	20.85	22.15
129	0.00	0.53	6.21	10.36	12.66	14.81	16.75	18.47	19.92	21.07
130	0.00	0.00	4.48	9.70	11.95	14.05	15.95	17.63	19.04	20.16
131	0.00	0.00	2.73	7.99	11.24	13.29	15.14	16.79	18.17	19.26
132	0.00	0.00	0.97	6.14	10.52	12.53	14.34	15.94	17.29	18.35
133	0.00	0.00	0.00	4.28	9.05	11.76	13.53	15.10	16.41	17.45
134	0.00	0.00	0.00	2.41	7.08	10.99	12.72	14.25	15.53	16.54
135	0.00	0.00	0.00	0.53	5.11	9.33	11.91	13.40	14.64	15.63
136	0.00	0.00	0.00	0.00	3.13	7.25	10.97	12.55	13.76	14.73
137	0.00	0.00	0.00	0.00	1.14	5.17	8.81	11.70	12.88	13.82
138	0.00	0.00	0.00	0.00	0.00	3.09	6.63	9.74	12.00	12.91
139	0.00	0.00	0.00	0.00	0.00	1.00	4.46	7.48	10.02	12.01
140	0.00	0.00	0.00	0.00	0.00	0.00	2.28	5.23	7.70	9.66
141	0.00	0.00	0.00	0.00	0.00	0.00	0.09	2.97	5.37	7.28
142	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	3.05	4.91
143	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	2.53
144	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
147	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
148	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
149	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
152	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
153	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
154	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
156	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
157	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
158	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
159	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
164	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
166	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
167	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
168	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
169	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
171	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
172	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
173	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
174	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

CANDELA TABULATION - (Cont.)

176	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
177	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
178	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
179	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Horizontal Angles

	350	355	360
0	795.09	795.09	795.09
1	793.63	793.63	793.59
2	792.12	792.12	792.12
3	790.65	790.61	790.61
4	789.14	789.06	789.10
5	787.63	787.59	787.59
6	786.05	786.09	786.12
7	784.54	784.58	784.62
8	782.99	783.07	783.11
9	781.33	781.56	781.60
10	779.82	780.02	780.09
11	776.07	775.96	775.96
12	771.86	771.78	771.82
13	767.72	767.64	767.68
14	763.43	763.47	763.54
15	759.25	759.29	759.41
16	755.00	755.12	755.23
17	750.79	750.94	751.09
18	746.57	746.80	746.96
19	742.36	742.63	742.82
20	738.10	738.53	738.68
21	732.30	732.30	732.30
22	725.81	725.89	725.92
23	719.31	719.47	719.58
24	712.82	713.05	713.20
25	706.40	706.67	706.86
26	699.90	700.29	700.48
27	693.37	693.91	694.10
28	686.87	687.53	687.76
29	680.42	681.15	681.38
30	673.96	674.73	675.04
31	666.30	666.69	666.84
32	657.99	658.49	658.65
33	649.72	650.30	650.49
34	641.48	642.10	642.29
35	633.13	633.86	634.10
36	624.82	625.67	625.90
37	616.58	617.43	617.74
38	608.35	609.20	609.54
39	600.07	601.00	601.35
40	591.76	592.76	593.19
41	582.63	583.29	583.56
42	572.93	573.66	573.93
43	563.22	564.00	564.31
44	553.48	554.41	554.68
45	543.78	544.78	545.05
46	534.11	535.15	535.42

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

CANDELA TABULATION - (Cont.)

47	524.37	525.49	525.80
48	514.66	515.86	516.17
49	504.96	506.19	506.54
50	495.29	496.57	496.91
51	485.01	486.05	486.32
52	474.33	475.46	475.73
53	463.66	464.86	465.17
54	452.95	454.27	454.58
55	442.28	443.64	443.98
56	431.61	433.00	433.39
57	420.98	422.41	422.83
58	410.31	411.81	412.24
59	399.67	401.18	401.65
60	389.00	390.59	391.05
61	378.24	379.85	380.30
62	367.43	369.08	369.54
63	356.64	358.30	358.77
64	345.85	347.52	348.01
65	335.07	336.74	337.25
66	324.29	325.97	326.49
67	313.50	315.20	315.72
68	302.73	304.44	304.96
69	291.96	293.67	294.19
70	281.20	282.91	283.43
71	271.31	273.29	273.90
72	261.76	263.76	264.37
73	252.22	254.23	254.84
74	242.68	244.70	245.32
75	233.17	235.18	235.79
76	223.65	225.66	226.26
77	214.13	216.14	216.73
78	204.62	206.61	207.20
79	195.10	197.09	197.68
80	185.58	187.57	188.14
81	178.17	180.42	181.08
82	171.13	173.36	174.02
83	164.09	166.30	166.95
84	157.06	159.24	159.89
85	150.04	152.18	152.82
86	143.01	145.12	145.76
87	135.99	138.07	138.70
88	128.98	131.01	131.63
89	121.96	123.95	124.57
90	114.95	116.89	117.50
91	110.34	112.26	112.87
92	105.73	107.63	108.23
93	101.13	103.00	103.59
94	96.52	98.37	98.95
95	91.92	93.74	94.31
96	87.32	89.11	89.67
97	82.71	84.47	85.04
98	78.11	79.85	80.40
99	73.51	75.21	75.76
100	69.23	70.67	71.12
101	66.79	68.20	68.65
102	64.35	65.73	66.17

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

CANDELA TABULATION - (Cont.)

103	61.92	63.27	63.70
104	59.48	60.80	61.23
105	57.05	58.34	58.75
106	54.61	55.87	56.28
107	52.17	53.41	53.80
108	49.74	50.94	51.33
109	47.30	48.48	48.85
110	45.18	46.09	46.38
111	43.84	44.75	45.03
112	42.51	43.40	43.68
113	41.18	42.05	42.33
114	39.85	40.71	40.98
115	38.52	39.36	39.63
116	37.19	38.02	38.28
117	35.86	36.67	36.93
118	34.53	35.33	35.57
119	33.20	33.99	34.22
120	31.96	32.66	32.87
121	30.85	31.54	31.75
122	29.75	30.42	30.62
123	28.64	29.29	29.49
124	27.53	28.17	28.37
125	26.43	27.05	27.24
126	25.32	25.93	26.11
127	24.21	24.81	24.99
128	23.11	23.68	23.86
129	22.00	22.56	22.73
130	20.97	21.46	21.61
131	20.05	20.52	20.67
132	19.12	19.59	19.73
133	18.20	18.65	18.79
134	17.28	17.72	17.85
135	16.35	16.78	16.91
136	15.43	15.85	15.97
137	14.50	14.91	15.03
138	13.58	13.98	14.09
139	12.65	13.04	13.15
140	11.09	11.94	12.21
141	8.67	9.51	9.77
142	6.25	7.07	7.33
143	3.84	4.63	4.88
144	1.42	2.19	2.44
145	0.00	0.00	0.00
146	0.00	0.00	0.00
147	0.00	0.00	0.00
148	0.00	0.00	0.00
149	0.00	0.00	0.00
150	0.00	0.00	0.00
151	0.00	0.00	0.00
152	0.00	0.00	0.00
153	0.00	0.00	0.00
154	0.00	0.00	0.00
155	0.00	0.00	0.00
156	0.00	0.00	0.00
157	0.00	0.00	0.00
158	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

CANDELA TABULATION - (Cont.)

159	0.00	0.00	0.00
160	0.00	0.00	0.00
161	0.00	0.00	0.00
162	0.00	0.00	0.00
163	0.00	0.00	0.00
164	0.00	0.00	0.00
165	0.00	0.00	0.00
166	0.00	0.00	0.00
167	0.00	0.00	0.00
168	0.00	0.00	0.00
169	0.00	0.00	0.00
170	0.00	0.00	0.00
171	0.00	0.00	0.00
172	0.00	0.00	0.00
173	0.00	0.00	0.00
174	0.00	0.00	0.00
175	0.00	0.00	0.00
176	0.00	0.00	0.00
177	0.00	0.00	0.00
178	0.00	0.00	0.00
179	0.00	0.00	0.00
180	0.00	0.00	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	288.90	N.A.	11.50
0-30	611.59	N.A.	24.40
0-40	999.32	N.A.	39.90
0-60	1773.00	N.A.	70.70
0-80	2269.1	N.A.	90.50
0-90	2378.27	N.A.	94.90
10-90	2303.33	N.A.	91.90
20-40	710.42	N.A.	28.30
20-50	1113.73	N.A.	44.40
40-70	1070.44	N.A.	42.70
60-80	496.10	N.A.	19.80
70-80	199.34	N.A.	8.00
80-90	109.17	N.A.	4.40
90-110	90.64	N.A.	3.60
90-120	111.32	N.A.	4.40
90-130	123.17	N.A.	4.90
90-150	128.73	N.A.	5.10
90-180	128.73	N.A.	5.10
110-180	38.08	N.A.	1.50
0-180	2507.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	74.94
10-20	213.97
20-30	322.69
30-40	387.74
40-50	403.31
50-60	370.37
60-70	296.76
70-80	199.34
80-90	109.17
90-100	57.26
100-110	33.38
110-120	20.68
120-130	11.85
130-140	5.12
140-150	0.44
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	103	103	103	97	97	97	95
1	106	101	96	92	103	98	94	90	93	89	86	88	85	83	84	81	79	77
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	73	69	66	63
3	88	77	68	61	85	75	67	60	71	64	59	67	62	57	64	59	55	53
4	80	68	59	52	77	66	57	51	63	55	50	60	54	48	57	52	47	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	51	46	41	39
6	68	54	45	39	66	53	44	38	51	43	37	48	42	37	46	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	37	32	42	36	32	30
8	59	45	36	30	57	44	36	30	42	35	29	40	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	33	28	23	22

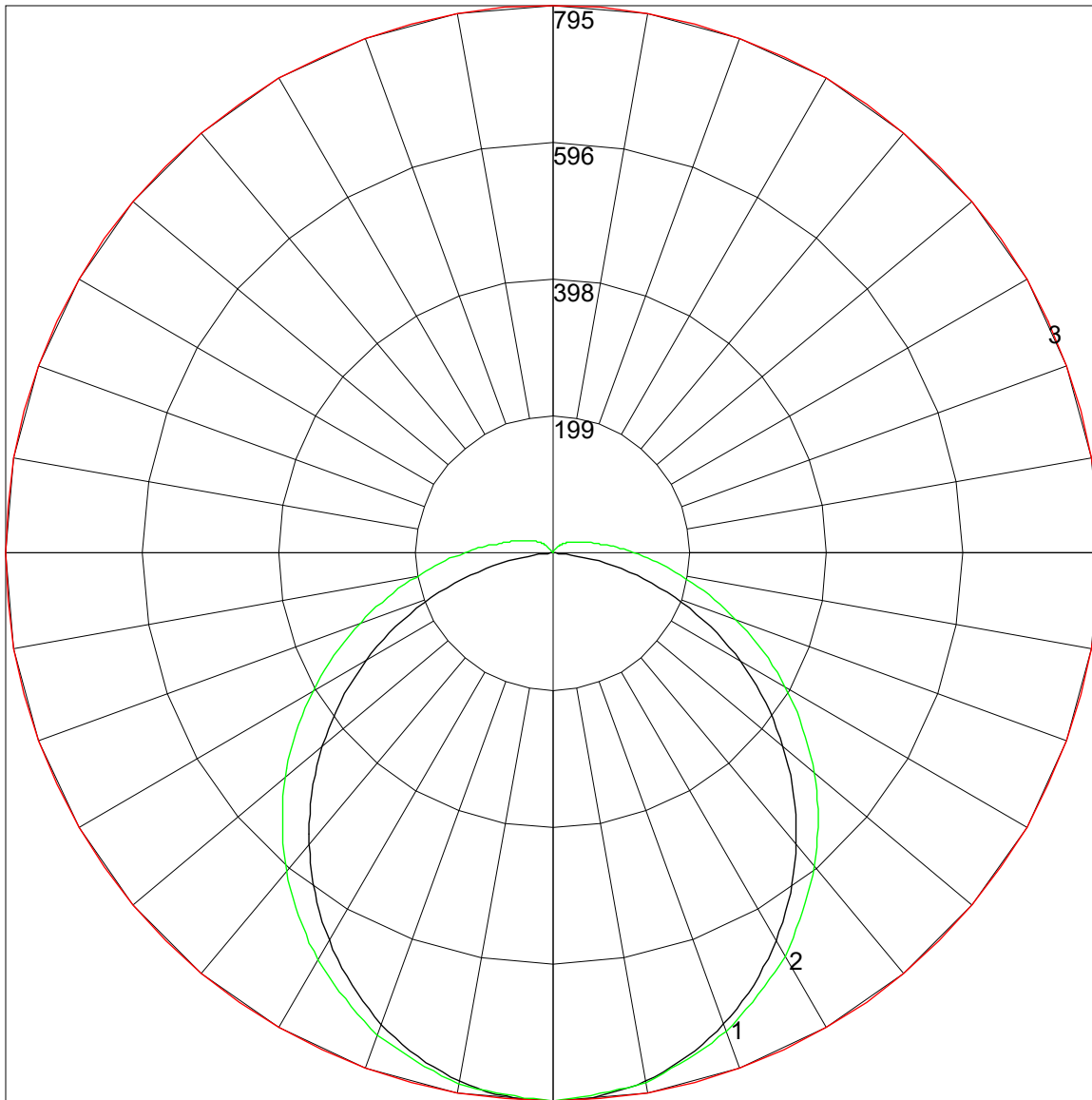
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VANL-W-24-L-40.IES

UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	16.7	18.3	17.2	18.7	19.1	16.0	17.5	16.4	18.0	18.4
	3H	18.8	20.2	19.3	20.7	21.1	17.6	19.0	18.1	19.5	19.9
	4H	19.7	21.1	20.2	21.5	22.0	18.1	19.5	18.6	19.9	20.4
	6H	20.6	21.8	21.1	22.3	22.8	18.5	19.7	19.0	20.2	20.7
	8H	21.0	22.2	21.5	22.7	23.2	18.5	19.7	19.0	20.2	20.7
	12H	21.4	22.5	21.9	23.0	23.5	18.6	19.7	19.1	20.2	20.7
4H	2H	17.3	18.6	17.7	19.1	19.6	16.7	18.0	17.2	18.5	19.0
	3H	19.6	20.7	20.1	21.2	21.7	18.6	19.7	19.0	20.2	20.7
	4H	20.7	21.7	21.2	22.2	22.8	19.2	20.3	19.7	20.8	21.3
	6H	21.7	22.6	22.2	23.1	23.7	19.7	20.6	20.2	21.1	21.7
	8H	22.2	23.1	22.7	23.6	24.2	19.8	20.6	20.3	21.2	21.8
	12H	22.7	23.5	23.2	24.0	24.6	19.8	20.6	20.4	21.2	21.8
8H	4H	20.9	21.8	21.5	22.3	22.9	19.7	20.6	20.2	21.1	21.7
	6H	22.2	22.9	22.7	23.5	24.0	20.3	21.1	20.9	21.6	22.2
	8H	22.8	23.4	23.4	24.0	24.6	20.5	21.2	21.1	21.8	22.4
	12H	23.4	24.0	24.0	24.6	25.3	20.6	21.2	21.2	21.8	22.5
12H	4H	20.9	21.7	21.5	22.3	22.9	19.8	20.6	20.4	21.2	21.7
	6H	22.2	22.9	22.8	23.4	24.1	20.5	21.2	21.1	21.7	22.4
	8H	22.9	23.5	23.5	24.1	24.7	20.8	21.4	21.4	21.9	22.6

Maximum UGR = 25.3

POLAR GRAPH



Maximum Candela = 795.09 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (90 - 270)

2 - Vertical Plane Through Horizontal Angles (0 - 180)

3 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)