



IES INDOOR REPORT

PHOTOMETRIC FILENAME : VTLED25-2A-50K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4789945682_23
[TESTLAB] UL-CCIC (Suzhou) Co.,Ltd
[TESTDATE] 06/15/2021
[ISSUEDATE] 07/08/2021
[MANUFAC] Lamar LED
[LUMCAT] VTLED-2A-25PS-8CSA 5000K/25W
[MORE] 120.02V
[MORE] 0.2142A
[MORE] 25.62W
[MORE] 0.9962 PF
[MORE] 3.32% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3313
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	25.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 m
Luminous Width (90-270)	0.59 m
Luminous Height	0.03 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	14656	16436	20908
55	12532	15102	21174
65	9781	13452	21714
75	6788	11970	24184
85	2891	10786	36882

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1
1	1041.2	1041.1	1038.3	1047.4	1043.9	1045.6	1043.5	1040.0	1039.3	1040.0
2	1042.6	1041.6	1039.0	1048.8	1046.2	1048.6	1047.2	1043.3	1041.5	1040.6
3	1042.4	1041.8	1038.0	1047.9	1046.8	1051.0	1050.4	1045.5	1041.9	1039.4
4	1042.5	1040.6	1035.5	1045.2	1045.7	1052.0	1052.7	1047.2	1042.4	1037.3
5	1041.3	1037.7	1031.8	1041.7	1043.4	1052.4	1053.6	1047.2	1040.8	1034.6
6	1040.0	1035.3	1028.5	1038.9	1041.7	1051.6	1052.8	1046.3	1039.0	1031.5
7	1038.0	1032.7	1025.3	1035.3	1040.0	1049.2	1050.6	1043.8	1036.4	1028.5
8	1035.3	1029.9	1022.6	1032.3	1037.5	1046.0	1046.3	1040.3	1033.3	1025.5
9	1031.2	1027.4	1019.9	1030.0	1034.4	1041.3	1041.5	1035.8	1029.5	1021.7
10	1026.8	1024.9	1017.8	1027.7	1030.2	1035.8	1035.7	1030.3	1024.9	1018.1
11	1021.7	1021.8	1016.0	1024.8	1025.6	1030.0	1030.0	1024.3	1019.9	1014.3
12	1016.2	1018.2	1014.3	1022.5	1021.0	1024.2	1023.1	1017.5	1014.2	1010.6
13	1010.2	1014.5	1011.9	1018.9	1016.5	1018.3	1016.3	1010.5	1007.9	1006.2
14	1003.9	1009.2	1008.4	1015.4	1011.4	1011.9	1008.2	1002.7	1000.7	1000.6
15	996.5	1003.0	1003.4	1010.8	1005.9	1005.0	1000.6	994.1	993.1	993.5
16	988.7	995.1	996.4	1005.3	1000.0	997.7	992.0	985.7	984.5	985.8
17	980.0	986.2	988.1	997.9	993.8	990.4	984.3	977.1	975.6	976.2
18	970.2	976.8	978.2	989.4	986.7	983.0	975.8	968.2	966.6	966.7
19	960.3	966.8	968.5	979.9	977.9	975.0	967.4	959.4	957.0	956.8
20	950.1	956.4	958.3	969.5	969.0	966.6	958.8	949.7	946.9	945.6
21	939.9	946.1	948.0	959.4	959.3	957.5	950.0	940.3	936.9	935.1
22	929.6	935.7	937.9	949.2	949.8	948.0	940.4	930.7	926.9	923.9
23	919.4	925.5	927.7	939.6	940.2	938.6	930.9	920.9	915.9	913.0
24	909.0	914.6	918.0	930.4	931.4	929.6	921.7	910.8	905.5	902.2
25	898.0	904.5	908.3	921.6	923.1	920.9	912.7	900.9	894.6	891.4
26	887.5	893.8	898.3	913.3	915.1	912.7	903.8	890.8	883.4	880.8
27	876.7	883.9	889.1	905.0	907.4	904.6	895.1	880.6	872.4	870.2
28	866.0	873.6	879.9	896.3	900.0	896.6	886.1	870.7	861.5	859.5
29	854.9	863.2	871.1	887.9	891.8	888.2	876.7	860.4	850.8	849.0
30	844.3	853.0	862.2	879.7	883.8	879.1	867.4	850.1	840.2	838.6
31	832.7	843.0	853.2	871.5	875.0	869.6	856.7	839.3	829.4	828.2
32	821.7	832.0	843.9	862.4	866.0	860.0	845.8	828.4	817.9	817.0
33	810.0	821.1	834.5	853.2	857.1	849.9	834.6	816.6	806.4	805.9
34	797.9	809.7	824.3	843.9	847.8	839.6	823.4	804.3	794.1	793.8
35	785.5	797.5	813.9	834.3	838.5	829.2	811.7	791.4	781.5	781.3
36	772.8	785.1	802.7	824.3	829.1	818.9	800.3	778.3	768.1	768.6
37	759.4	771.8	790.7	813.4	818.9	808.6	788.5	765.2	754.5	755.0
38	745.6	758.2	777.7	802.0	808.4	798.1	776.4	751.8	740.5	741.1
39	731.4	744.4	764.6	789.7	797.0	787.1	764.2	738.3	726.3	726.7
40	716.6	729.8	751.2	777.2	785.5	775.7	751.8	724.9	712.4	712.0
41	701.9	715.7	738.1	765.0	774.0	763.9	739.4	711.7	698.1	697.5
42	687.0	701.6	724.7	752.8	762.2	752.4	727.0	698.5	683.8	683.0
43	672.0	687.5	711.8	740.6	750.4	740.3	714.7	685.1	669.3	668.8
44	657.1	673.6	699.0	728.7	739.0	728.6	701.9	671.6	655.4	654.2
45	642.3	659.4	686.5	716.9	727.7	716.8	689.1	658.2	640.8	640.3
46	627.3	645.2	674.0	705.6	716.7	704.9	676.1	644.5	626.2	626.4
47	612.5	631.3	661.3	694.0	705.6	692.9	662.6	631.0	611.7	612.5
48	597.6	617.3	649.0	682.5	693.9	680.7	649.2	616.9	596.9	598.3
49	582.6	603.1	636.3	670.7	682.8	668.5	635.8	602.6	582.3	583.8
50	567.6	588.8	623.4	658.9	670.8	656.0	621.8	587.7	567.1	569.0
51	552.5	574.6	610.4	646.6	659.0	643.3	608.0	572.8	551.4	553.6
52	537.3	559.7	597.0	634.1	646.8	630.3	593.8	557.3	535.1	537.9
53	522.2	545.1	583.4	621.1	634.1	617.3	579.5	541.9	519.1	521.9

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CANDELA TABULATION - (Cont.)

54	506.5	529.9	569.7	608.1	621.3	604.4	565.5	526.6	502.8	506.1
55	490.9	514.5	555.6	595.0	608.2	591.1	551.3	510.8	486.9	490.6
56	475.1	498.9	541.5	581.7	595.0	577.9	537.4	495.5	470.9	474.9
57	458.9	483.1	527.1	568.5	582.0	564.5	523.5	480.0	454.8	459.4
58	442.6	467.4	513.0	555.4	568.9	550.9	509.6	464.9	438.9	444.2
59	426.0	452.0	498.9	541.9	555.9	538.0	495.9	449.9	422.9	429.0
60	408.9	436.4	484.7	528.5	542.4	524.7	482.0	434.9	407.2	413.8
61	392.0	420.8	470.4	514.8	528.8	511.4	468.0	420.1	391.1	398.6
62	375.3	404.9	456.0	501.0	515.0	498.0	454.3	405.3	375.2	383.3
63	358.7	389.4	441.6	486.7	500.8	484.1	440.3	390.4	359.2	367.6
64	342.3	374.1	427.4	472.5	486.9	470.0	426.1	375.4	342.9	352.2
65	326.0	359.1	412.9	458.2	472.7	455.8	412.0	360.0	326.4	336.6
66	310.1	344.3	398.7	443.7	458.2	442.1	397.7	345.2	310.5	321.3
67	294.5	329.8	384.7	429.6	444.4	428.0	383.7	330.4	294.6	306.1
68	279.4	315.9	371.1	415.8	430.7	414.3	370.2	315.8	278.6	291.2
69	264.5	302.2	357.8	402.3	417.2	401.0	356.9	301.7	263.6	276.7
70	250.0	288.8	344.7	389.3	404.4	388.3	344.3	287.8	248.6	262.7
71	235.5	275.4	332.2	376.5	391.7	375.6	331.7	274.4	234.2	249.2
72	221.5	261.9	319.9	364.0	379.1	363.3	319.4	261.1	219.8	235.8
73	207.0	248.5	307.5	351.7	366.7	351.2	307.2	248.1	205.2	222.8
74	193.2	235.2	295.5	339.5	354.4	339.0	295.2	235.0	191.5	209.9
75	179.7	222.3	283.3	327.5	342.3	327.1	283.2	222.2	178.0	197.4
76	165.2	209.4	271.6	315.8	330.2	315.3	271.4	209.5	164.0	186.2
77	150.9	197.0	260.0	304.1	318.1	303.4	259.5	197.1	150.1	173.9
78	136.8	186.2	248.2	292.6	306.0	291.4	247.7	186.4	136.6	161.7
79	123.1	174.0	236.8	281.0	294.1	279.6	236.2	174.5	123.6	149.7
80	110.1	162.3	225.3	269.3	282.2	268.0	224.8	162.9	111.1	138.2
81	97.6	150.8	214.0	257.7	270.5	256.3	213.6	151.5	98.7	127.1
82	86.0	139.5	202.6	246.2	258.9	244.8	202.5	140.3	86.7	116.2
83	74.5	128.5	192.4	234.7	247.5	233.4	191.5	129.4	75.2	105.6
84	64.1	117.5	182.2	223.1	236.3	222.3	182.1	118.8	64.6	95.8
85	54.4	107.2	171.7	212.3	225.3	211.7	171.7	108.6	55.1	86.4
86	45.9	97.5	161.7	201.7	214.5	201.3	161.6	99.1	46.7	78.0
87	38.5	88.5	152.3	191.8	204.2	192.1	152.2	90.3	39.4	70.5
88	32.9	80.4	143.3	183.1	194.2	183.2	143.3	82.2	34.2	64.0
89	28.7	73.2	134.9	174.0	186.2	174.3	135.2	75.0	29.9	58.4
90	24.1	66.9	127.1	165.4	177.1	165.8	127.3	68.7	25.2	53.5
91	21.8	61.4	119.8	157.0	168.6	157.6	120.2	63.3	23.4	49.3
92	21.0	56.3	113.0	149.4	160.5	149.9	113.5	58.5	22.5	45.6
93	20.3	52.2	106.5	142.1	152.9	142.7	107.2	54.1	21.9	42.5
94	19.5	48.4	100.6	135.2	145.8	135.8	101.4	50.2	21.3	39.6
95	18.9	44.7	95.0	128.7	139.0	129.3	95.9	46.7	20.6	36.9
96	18.2	41.4	89.6	122.6	132.6	123.1	91.0	43.3	20.0	34.5
97	17.3	38.2	84.5	116.7	126.6	117.1	86.0	40.2	19.2	32.5
98	16.7	35.3	79.7	111.1	120.8	111.5	81.2	37.2	18.3	30.5
99	16.0	32.5	74.9	105.7	115.1	106.0	76.3	34.3	17.5	28.5
100	15.1	29.9	70.6	100.5	109.8	100.6	71.7	31.7	16.8	26.6
101	14.5	27.5	66.3	95.5	104.4	95.3	67.3	29.2	16.1	24.7
102	13.9	25.2	62.4	90.7	99.1	90.2	63.3	26.9	15.4	22.8
103	13.4	22.2	58.7	86.0	94.0	85.4	59.4	24.2	15.0	20.2
104	12.9	19.0	55.1	81.3	89.0	80.7	55.7	20.6	14.2	17.8
105	12.4	17.2	51.7	76.7	84.2	76.3	52.1	18.4	13.6	16.5
106	11.9	15.6	48.2	72.5	79.6	72.3	48.8	17.1	13.1	15.2
107	11.6	14.2	44.9	68.3	75.3	68.3	45.7	15.6	12.8	14.1
108	11.3	13.1	41.7	64.4	71.3	64.7	42.6	14.6	12.5	13.2
109	11.2	12.0	38.6	60.5	67.4	61.1	39.8	13.8	12.2	12.4

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CANDELA TABULATION - (Cont.)

110	10.9	11.3	35.8	57.0	63.7	57.7	37.2	13.0	11.9	11.8
111	10.5	10.5	33.1	53.8	60.1	54.4	34.7	12.4	11.6	11.2
112	10.0	9.8	29.8	50.5	56.8	51.3	31.6	11.7	11.2	10.7
113	9.6	9.3	25.4	47.5	53.5	48.2	27.3	11.1	10.8	10.2
114	9.2	9.1	19.4	44.6	50.5	45.3	21.6	10.4	10.3	9.8
115	8.8	8.8	14.9	41.7	47.6	42.5	16.5	9.9	9.8	9.4
116	8.4	8.7	13.7	39.0	44.8	39.8	15.0	9.5	9.4	9.1
117	8.1	8.5	12.7	36.2	42.4	36.9	13.7	8.9	9.1	8.9
118	7.8	8.2	11.7	32.5	39.9	33.2	12.6	8.6	8.8	8.7
119	7.5	8.0	10.9	27.5	37.0	28.4	11.5	8.4	8.4	8.6
120	7.3	7.6	10.1	21.4	32.9	22.1	10.7	8.4	8.1	8.5
121	7.1	7.3	9.4	15.3	27.8	15.8	9.9	8.2	8.0	8.3
122	6.8	7.0	8.7	13.4	21.3	13.6	9.2	8.1	7.8	8.2
123	6.6	6.8	8.0	12.6	14.8	12.6	8.7	8.0	7.6	8.0
124	6.4	6.4	7.4	11.8	12.7	11.8	8.3	7.8	7.4	7.8
125	6.3	6.2	6.9	10.8	11.8	10.9	7.9	7.7	7.3	7.5
126	6.1	6.0	6.2	9.5	11.1	9.7	7.7	7.4	7.3	7.2
127	5.9	6.0	5.7	8.6	10.3	8.9	7.2	7.0	7.1	6.9
128	5.9	6.1	5.3	7.8	9.0	8.3	6.9	6.9	7.2	6.6
129	5.8	6.1	5.2	7.1	8.1	7.9	6.5	6.6	7.1	6.3
130	5.7	5.9	5.0	6.6	7.4	7.6	6.4	6.4	7.0	6.1
131	5.6	5.9	4.9	6.1	6.9	7.1	6.4	6.4	6.9	6.0
132	5.7	5.8	4.9	5.8	6.5	6.8	6.3	6.2	6.9	5.9
133	5.8	5.8	4.9	5.6	6.1	6.6	6.1	6.0	6.8	5.9
134	6.0	5.8	4.9	4.9	5.8	6.1	5.9	6.0	6.7	5.9
135	6.0	5.8	4.8	4.5	5.7	5.4	5.8	6.0	6.6	6.0
136	6.0	5.7	4.9	4.4	5.2	4.9	5.8	6.0	6.4	6.2
137	6.0	5.6	5.0	4.0	4.7	4.8	5.8	6.2	6.4	6.2
138	6.0	5.5	5.2	4.1	4.3	4.6	5.7	6.3	6.4	6.3
139	6.0	5.6	5.3	4.3	3.9	4.4	5.6	6.3	6.2	6.4
140	6.0	5.4	5.2	4.3	3.8	4.4	5.6	6.4	6.2	6.5
141	6.0	5.4	5.1	4.3	3.6	4.4	5.7	6.5	6.3	6.5
142	5.8	5.4	4.9	4.2	3.5	4.4	5.7	6.7	6.3	6.4
143	5.7	5.4	4.8	4.3	3.5	4.5	5.8	6.8	6.5	6.3
144	5.8	5.6	4.8	4.2	3.5	4.5	6.0	6.7	6.7	6.2
145	5.9	5.7	4.8	4.1	3.5	4.5	6.0	6.8	6.9	6.1
146	6.0	5.8	4.8	4.1	3.5	4.6	6.0	6.8	7.2	6.2
147	6.0	6.1	4.9	4.0	3.7	4.8	6.1	6.8	7.2	6.2
148	6.0	6.1	5.0	4.0	3.8	5.0	6.2	6.8	7.3	6.3
149	6.1	6.3	5.1	4.0	4.0	5.1	6.3	6.7	7.3	6.5
150	6.3	6.4	5.2	4.0	4.1	5.1	6.4	6.7	7.4	6.7
151	6.4	6.4	5.3	4.1	4.3	5.1	6.2	6.6	7.4	6.9
152	6.5	6.5	5.4	4.4	4.2	5.1	6.1	6.7	7.5	7.1
153	6.9	6.6	5.6	4.4	4.3	5.2	6.1	6.8	7.5	7.3
154	7.0	6.7	5.7	4.6	4.1	5.2	6.0	6.8	7.5	7.3
155	7.0	6.8	5.8	4.7	4.2	5.2	6.0	6.9	7.4	7.4
156	6.9	6.8	5.8	4.7	4.1	5.3	6.1	7.3	7.5	7.5
157	6.8	7.0	5.8	4.7	4.1	5.3	6.3	7.4	7.4	7.5
158	6.9	7.0	5.8	4.8	4.0	5.2	6.6	7.6	7.5	7.6
159	6.9	7.0	5.8	4.7	3.9	5.3	6.7	7.8	7.7	7.5
160	7.0	7.1	5.7	4.7	3.9	5.3	7.0	7.9	7.7	7.5
161	7.1	6.9	5.8	4.6	4.0	5.4	7.1	8.0	8.0	7.7
162	7.3	6.9	5.8	4.6	4.3	5.4	7.2	7.8	8.2	7.7
163	7.4	7.0	5.9	4.7	4.6	5.4	7.2	7.9	8.5	7.6
164	7.4	7.1	6.0	4.9	4.7	5.4	7.2	7.8	8.6	7.8
165	7.7	7.6	6.3	5.2	4.5	5.5	7.3	8.0	8.8	8.1

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CANDELA TABULATION - (Cont.)

166	8.0	7.9	6.5	5.5	4.5	5.6	7.3	8.1	9.0	8.2
167	8.2	8.1	6.8	5.8	4.5	5.7	7.3	8.4	9.1	8.5
168	8.3	8.2	7.0	5.9	4.6	5.9	7.4	8.7	9.2	8.8
169	8.5	8.0	7.2	5.9	4.8	5.9	7.6	8.9	9.1	8.9
170	8.7	7.9	7.3	5.7	4.9	6.1	7.7	8.9	8.9	8.9
171	8.6	7.7	7.3	5.6	5.0	6.3	8.0	9.0	8.8	8.6
172	8.5	7.8	7.2	5.5	5.2	6.4	8.0	9.0	9.0	8.4
173	8.5	7.8	7.1	5.5	5.3	6.5	8.0	8.9	9.2	8.4
174	8.5	7.8	6.9	5.5	5.3	6.5	8.0	8.6	9.2	8.4
175	8.3	8.3	6.8	5.8	5.2	6.1	7.9	8.4	8.9	8.6
176	8.3	8.4	6.9	6.0	5.1	6.1	7.6	8.6	8.9	8.9
177	8.2	8.2	7.2	5.7	4.9	6.2	7.5	9.0	8.8	8.8
178	8.3	7.9	7.5	5.9	5.0	6.0	7.8	9.1	9.1	8.6
179	8.4	8.2	7.5	6.3	5.2	6.5	8.1	8.9	9.4	8.8
180	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1	1040.1
1	1038.9	1047.9	1043.3	1044.0	1041.3	1039.2	1038.2
2	1038.5	1048.1	1044.2	1046.3	1045.6	1042.1	1040.7
3	1036.3	1046.2	1043.7	1047.5	1047.9	1044.4	1041.7
4	1032.4	1043.0	1042.1	1048.5	1049.8	1046.0	1042.0
5	1028.2	1038.3	1039.5	1048.1	1049.9	1046.0	1041.1
6	1024.8	1034.2	1036.3	1046.3	1048.7	1044.8	1039.3
7	1020.7	1029.8	1032.8	1043.5	1046.1	1042.7	1036.8
8	1016.9	1025.6	1029.1	1039.2	1042.1	1039.2	1033.7
9	1013.4	1022.1	1024.7	1034.0	1036.7	1034.3	1030.4
10	1010.5	1018.8	1020.2	1028.1	1030.9	1028.6	1026.0
11	1007.6	1015.3	1014.9	1021.9	1024.1	1022.4	1021.1
12	1004.6	1011.4	1009.8	1015.2	1017.0	1015.5	1015.5
13	1001.3	1007.5	1004.4	1008.2	1010.2	1008.5	1010.0
14	996.9	1003.3	998.8	1001.5	1002.2	1001.0	1003.4
15	991.1	998.1	992.5	994.3	993.7	992.4	996.0
16	984.0	992.0	986.5	986.5	984.9	983.7	987.5
17	975.5	984.3	979.6	978.8	976.2	974.3	978.6
18	965.9	975.8	971.8	971.1	967.1	964.9	968.7
19	955.7	965.2	962.5	962.6	958.3	955.5	959.3
20	945.0	954.2	952.7	953.4	949.2	945.9	949.1
21	934.1	943.1	942.3	944.3	940.2	936.4	939.0
22	923.7	932.5	931.9	934.5	930.6	926.4	928.7
23	912.9	921.9	921.6	924.2	921.1	916.4	918.5
24	902.2	912.2	912.0	914.2	911.3	906.4	908.1
25	892.0	902.6	902.9	904.8	901.2	895.8	897.5
26	881.5	893.3	894.1	896.1	891.5	885.7	886.6
27	871.3	884.0	885.6	887.7	882.1	875.4	875.9
28	861.4	875.2	877.6	879.0	872.5	865.1	865.2
29	851.8	866.3	869.0	870.2	863.0	854.5	854.2
30	842.6	857.5	860.1	860.3	853.0	843.9	843.8
31	832.6	848.5	851.0	850.4	842.8	833.0	832.8
32	822.7	839.0	841.2	839.8	831.7	821.3	821.4
33	812.6	829.2	831.7	829.1	820.2	809.2	810.0
34	802.4	819.1	822.0	818.3	808.2	796.5	797.7
35	791.4	808.6	811.7	807.2	796.0	783.5	785.2
36	779.7	797.7	801.4	796.4	784.0	769.8	771.9

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

37	767.1	786.2	790.8	785.3	771.6	756.8	758.3
38	754.1	773.6	779.2	773.9	758.8	743.0	744.2
39	740.7	761.0	767.2	762.3	745.9	729.2	730.0
40	727.1	747.9	754.6	750.2	733.0	715.5	715.2
41	713.1	734.7	742.2	737.7	720.0	701.8	700.9
42	699.6	721.7	729.9	725.0	706.8	687.9	686.4
43	685.8	708.7	717.1	712.4	693.7	674.1	672.1
44	672.5	696.0	704.9	700.1	680.7	660.3	657.5
45	659.3	683.4	693.1	687.7	667.1	646.0	643.0
46	646.0	671.1	681.3	675.4	653.7	632.0	628.3
47	633.0	659.2	669.6	663.0	640.1	617.8	613.5
48	620.3	647.1	657.7	650.3	626.0	603.3	598.4
49	607.1	634.7	645.7	637.3	611.8	588.7	583.7
50	593.6	622.5	633.4	624.3	597.6	573.8	568.7
51	579.6	609.8	621.1	611.2	582.9	558.4	553.7
52	565.6	597.1	608.9	597.9	568.2	542.8	538.5
53	551.4	584.0	595.9	584.7	553.7	526.9	522.7
54	537.2	571.0	583.0	571.4	539.3	510.9	506.7
55	522.7	557.5	570.0	558.1	524.7	494.9	490.4
56	508.3	543.8	556.6	544.8	510.3	478.8	474.0
57	494.2	530.3	543.4	531.3	496.0	463.0	457.6
58	480.2	516.7	530.3	517.9	482.1	447.2	440.9
59	466.1	503.2	517.3	504.4	468.0	431.6	424.4
60	452.4	489.7	504.3	491.0	454.0	416.5	407.8
61	438.0	476.1	491.3	477.5	440.1	401.3	391.5
62	423.7	462.2	477.7	464.0	426.0	386.1	375.4
63	408.9	448.2	464.1	450.5	411.6	370.6	359.3
64	394.2	434.1	450.4	436.6	397.3	355.5	343.3
65	379.5	419.9	436.4	422.3	382.6	340.1	327.9
66	364.8	405.5	422.4	408.3	368.0	324.7	312.2
67	350.4	391.8	408.5	394.5	353.6	309.5	296.7
68	336.4	378.0	395.1	380.9	339.5	294.8	281.4
69	322.9	364.8	382.1	367.7	326.0	280.3	266.2
70	309.7	352.3	369.3	355.1	312.6	266.3	251.0
71	297.2	340.0	357.1	342.6	299.9	252.4	235.9
72	284.6	327.9	344.9	330.4	287.4	238.5	220.9
73	272.1	315.7	333.0	318.3	275.2	225.4	206.0
74	259.9	303.7	320.8	306.1	263.2	212.3	191.9
75	248.1	291.8	309.1	294.0	251.1	199.3	178.1
76	236.3	280.1	297.0	282.2	239.3	187.4	163.8
77	224.7	268.2	285.1	270.3	227.3	175.5	149.9
78	213.1	256.9	273.3	258.6	215.6	163.3	136.2
79	201.6	245.6	261.5	247.0	204.2	151.2	123.3
80	191.4	234.1	249.9	235.6	193.1	139.7	111.0
81	181.0	222.8	238.5	224.3	183.2	128.1	98.9
82	170.0	211.6	227.5	213.1	172.0	117.0	87.1
83	159.4	200.8	216.5	202.4	161.3	106.4	76.0
84	149.1	191.1	205.7	192.1	150.9	96.3	65.2
85	139.3	180.9	195.5	183.0	141.2	87.0	55.3
86	130.0	171.1	187.1	173.3	131.8	78.5	46.4
87	121.3	162.0	177.6	164.1	123.3	70.9	38.9
88	113.5	153.4	168.6	155.6	115.4	64.1	33.1
89	106.5	145.7	160.3	147.4	108.3	58.6	28.7
90	100.4	138.4	152.4	139.8	101.8	53.8	23.8
91	94.7	131.8	144.9	132.6	95.9	49.6	21.3
92	89.7	125.4	137.9	126.1	90.4	46.1	20.4

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	85.0	119.5	131.4	120.0	85.5	42.9	19.7
94	80.6	114.1	125.5	114.3	80.8	40.0	19.1
95	76.6	108.9	120.0	109.0	76.6	37.3	18.6
96	72.8	104.0	114.9	104.0	72.6	34.7	17.9
97	69.0	99.3	109.9	99.4	68.8	32.2	17.4
98	65.4	94.5	104.9	94.9	65.1	30.0	16.8
99	61.8	90.0	100.2	90.5	61.6	27.9	16.2
100	58.1	85.7	95.6	86.4	58.4	25.9	15.6
101	54.8	81.5	91.2	82.4	55.1	24.1	15.1
102	51.7	77.2	87.0	78.2	52.0	22.4	14.5
103	48.5	73.2	82.8	74.2	49.1	20.4	13.9
104	45.4	69.4	78.7	70.3	46.3	17.8	13.3
105	42.6	65.8	74.7	66.4	43.5	15.7	12.7
106	40.0	62.5	70.9	62.8	40.9	14.4	12.0
107	37.6	59.1	67.2	59.2	38.3	13.3	11.4
108	35.2	56.0	63.6	55.9	35.7	12.3	11.0
109	32.9	53.1	59.9	52.5	33.2	11.6	10.8
110	30.8	50.2	56.6	49.5	30.9	11.1	10.6
111	28.8	47.2	53.4	46.8	28.8	10.6	10.3
112	25.9	44.5	50.4	44.1	26.2	10.2	10.1
113	22.1	41.8	47.7	41.6	22.7	9.8	9.8
114	17.2	39.2	45.0	39.2	18.2	9.4	9.4
115	14.0	36.6	42.4	36.9	13.5	8.9	9.1
116	12.9	34.1	40.2	34.6	12.1	8.3	8.7
117	11.9	31.7	37.7	32.3	11.3	7.8	8.5
118	10.9	28.3	35.4	29.2	10.6	7.4	8.1
119	9.9	23.9	32.9	25.0	10.1	7.2	7.8
120	9.3	18.5	29.3	19.5	9.4	7.0	7.5
121	8.5	13.4	24.8	13.7	8.8	6.9	7.2
122	8.0	11.8	19.4	11.6	8.0	6.7	6.9
123	7.6	11.3	13.7	10.7	7.4	6.7	6.6
124	7.1	10.6	11.6	10.0	6.9	6.7	6.5
125	6.8	9.9	10.9	9.1	6.4	6.5	6.4
126	6.5	8.8	10.3	7.8	6.1	6.4	6.3
127	6.3	8.0	9.6	7.3	5.7	6.3	6.3
128	6.0	7.4	8.1	7.0	5.2	6.2	6.4
129	5.8	6.7	7.2	6.5	5.0	6.0	6.4
130	6.0	6.2	6.7	6.1	5.0	5.8	6.3
131	5.9	5.7	6.2	5.8	4.9	5.6	6.1
132	5.8	5.4	5.8	5.5	4.8	5.6	5.9
133	5.8	5.3	5.5	5.6	4.9	5.5	5.7
134	5.7	5.1	5.1	5.4	4.9	5.4	5.6
135	5.7	4.6	5.0	4.9	4.8	5.2	5.5
136	5.7	4.5	4.9	4.5	5.0	5.1	5.4
137	5.5	4.6	4.4	4.2	5.1	5.2	5.4
138	5.3	4.6	3.9	4.2	5.2	5.2	5.5
139	5.2	4.6	3.7	4.0	5.1	5.2	5.6
140	5.2	4.5	3.7	3.9	5.2	5.3	5.7
141	5.3	4.5	3.7	3.8	5.3	5.5	5.9
142	5.3	4.4	3.7	3.9	5.2	5.6	5.9
143	5.4	4.3	3.7	3.9	5.2	5.7	6.1
144	5.5	4.4	3.5	3.9	5.1	5.9	6.2
145	5.5	4.4	3.4	4.0	5.1	6.0	6.3
146	5.8	4.4	3.4	4.1	5.0	6.1	6.4
147	5.9	4.4	3.4	4.3	4.9	6.2	6.5
148	5.9	4.5	3.4	4.6	5.0	6.2	6.6

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	6.0	4.5	3.7	4.8	5.0	6.3	6.5
150	5.9	4.1	3.9	4.8	5.0	6.3	6.4
151	5.7	4.2	4.2	4.7	5.1	6.4	6.4
152	5.7	4.2	4.2	4.7	5.3	6.4	6.4
153	5.7	4.3	4.2	4.6	5.4	6.3	6.5
154	5.7	4.4	4.2	4.5	5.7	6.3	6.4
155	5.9	4.6	4.1	4.4	5.9	6.5	6.5
156	6.1	4.8	3.9	4.3	5.9	6.5	6.6
157	6.3	4.9	3.7	4.4	5.7	6.5	6.7
158	6.6	5.2	3.7	4.4	5.7	6.5	6.9
159	6.7	5.2	3.8	4.6	5.8	6.5	7.2
160	6.8	5.3	3.9	4.7	6.0	6.6	7.4
161	6.6	5.4	4.2	5.1	5.9	6.7	7.6
162	6.5	5.3	4.3	5.2	5.9	6.8	7.7
163	6.6	5.4	4.6	5.3	5.9	7.1	7.8
164	6.8	5.2	4.8	5.5	6.1	7.4	7.7
165	6.9	5.3	4.9	5.6	6.3	7.6	7.7
166	7.0	5.5	4.8	5.7	6.6	7.9	7.8
167	7.2	5.9	4.6	5.7	7.0	8.0	7.9
168	7.4	6.3	4.7	5.6	7.1	8.0	8.2
169	7.7	6.3	4.7	5.5	7.3	7.9	8.4
170	7.9	6.4	4.8	5.6	7.2	7.8	8.7
171	7.9	6.3	5.0	5.7	7.0	7.8	8.7
172	7.8	6.2	5.1	5.7	7.0	7.8	8.6
173	7.8	6.0	5.1	6.1	6.8	7.7	8.6
174	7.6	6.0	5.1	6.2	6.9	8.0	8.3
175	7.4	5.8	5.4	6.2	7.1	8.2	8.2
176	7.7	5.9	5.4	6.0	7.4	8.4	8.6
177	7.9	6.1	5.1	5.8	7.0	8.2	8.8
178	8.0	6.3	5.0	5.7	7.0	8.0	8.6
179	8.2	6.6	5.6	6.0	7.5	8.4	8.3
180	7.3	7.3	7.3	7.3	7.3	7.3	7.3

IES INDOOR REPORT
PHOTOMETRIC FILENAME : VTLED25-2A-50K.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	379.93	N.A.	11.50
0-30	797.53	N.A.	24.10
0-40	1300.1	N.A.	39.20
0-60	2304.14	N.A.	69.50
0-80	2969.47	N.A.	89.60
0-90	3131.00	N.A.	94.50
10-90	3032.07	N.A.	91.50
20-40	920.17	N.A.	27.80
20-50	1442.17	N.A.	43.50
40-70	1394.43	N.A.	42.10
60-80	665.33	N.A.	20.10
70-80	274.94	N.A.	8.30
80-90	161.53	N.A.	4.90
90-110	137.88	N.A.	4.20
90-120	161.48	N.A.	4.90
90-130	169.44	N.A.	5.10
90-150	177.01	N.A.	5.30
90-180	182.22	N.A.	5.50
110-180	44.34	N.A.	1.30
0-180	3313.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	98.93
10-20	281.00
20-30	417.60
30-40	502.57
40-50	522.00
50-60	482.04
60-70	390.39
70-80	274.94
80-90	161.53
90-100	88.76
100-110	49.11
110-120	23.60
120-130	7.96
130-140	4.28
140-150	3.29
150-160	2.67
160-170	1.86
170-180	0.69

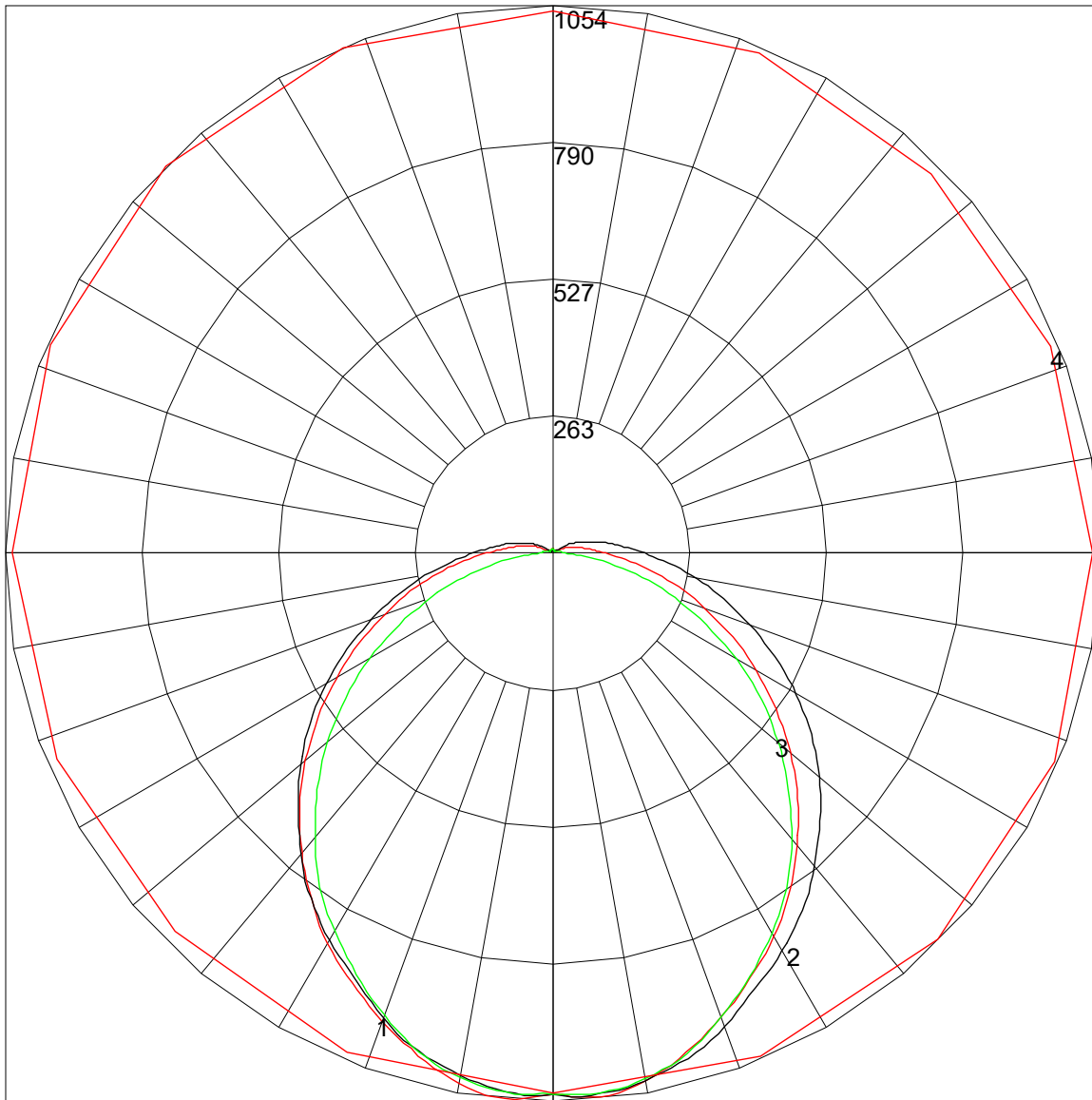
IES INDOOR REPORT
PHOTOMETRIC FILENAME : VTLED25-2A-50K.IES

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	102	102	102	97	97	97	95
1	106	101	96	91	103	98	93	89	92	89	86	88	85	82	83	81	79	76
2	96	87	80	73	93	85	78	72	80	74	70	76	71	67	72	68	65	62
3	87	76	67	61	84	74	66	60	70	63	58	67	61	56	63	59	55	52
4	80	67	58	51	77	65	57	50	62	55	49	59	53	48	56	51	47	44
5	73	60	51	44	71	58	50	43	56	48	42	53	47	41	51	45	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	33
7	63	49	40	34	61	48	39	33	46	38	33	44	37	32	42	36	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	39	33	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	36	30	25	23
10	51	38	30	24	49	37	29	24	36	29	24	34	28	23	33	27	23	21

POLAR GRAPH



Maximum Candela = 1053.6 Located At Horizontal Angle = 135, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (135 - 315) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Vertical Plane Through Horizontal Angles (0 - 180)
4 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)