



IES INDOOR REPORT

PHOTOMETRIC FILENAME : S-LED2-25PS-8CSA_25W_5K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4789945682_24
[TESTLAB] UL-CCIC (Suzhou) Co.,Ltd
[TESTDATE] 06/29/2021
[ISSUEDATE] 07/08/2021
[MANUFAC] Lamar LED
[LUMCAT] S-LED2-25PS-8CSA_25W_5K
[MORE] 120.00V
[MORE] 0.2112A
[MORE] 25.26W
[MORE] PF 0.9971
[MORE] ATHD 3.59%

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3389
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	25.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.06 m
Luminous Width (90-270)	0.56 m
Luminous Height	0.03 m

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17450	20056	27853
55	14405	18010	28328
65	10680	15520	29661
75	6690	13628	35076
85	2067	12763	59983

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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	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4	976.4
1	977.7	976.1	974.4	982.2	977.0	978.5	977.0	975.1	975.5	977.4
2	978.9	976.6	974.0	982.3	978.1	981.2	980.5	978.3	977.9	978.5
3	979.0	975.7	972.1	980.8	977.9	982.2	982.8	979.5	978.8	978.2
4	978.6	973.7	969.9	977.9	977.0	982.5	984.2	980.2	978.2	977.0
5	977.2	970.9	966.5	974.8	974.8	982.0	984.4	979.9	977.2	974.0
6	975.0	967.6	961.6	970.3	972.2	981.0	982.7	978.3	974.9	971.1
7	972.5	964.2	957.1	966.2	969.4	978.3	980.2	975.6	972.3	968.2
8	969.6	961.1	953.8	963.2	966.4	975.0	976.8	972.6	969.4	966.1
9	966.1	958.2	951.3	960.5	963.3	971.1	972.7	968.6	966.0	963.9
10	961.5	955.1	949.2	958.0	960.2	966.7	967.9	963.9	962.1	961.2
11	956.5	951.6	947.3	955.6	956.4	961.8	961.9	957.5	957.1	958.2
12	951.1	947.6	944.9	952.6	952.0	955.9	955.0	950.2	951.2	954.7
13	945.2	942.8	941.9	949.1	947.2	949.2	947.5	942.6	945.2	950.4
14	938.8	937.2	937.5	945.7	942.6	942.9	939.7	935.0	938.6	945.3
15	931.6	930.4	932.4	941.4	937.6	936.7	932.3	927.9	931.2	939.7
16	923.9	923.0	926.2	936.5	932.6	930.8	924.6	920.4	923.3	933.2
17	915.0	914.8	918.7	930.6	927.5	924.6	917.1	911.9	914.7	925.9
18	905.5	906.3	910.7	924.0	921.7	918.5	909.6	902.8	905.7	917.4
19	895.2	897.3	902.1	916.2	914.9	911.7	902.1	893.1	896.4	908.1
20	885.4	887.4	893.0	907.7	907.2	904.3	894.6	882.9	885.5	898.0
21	875.0	876.9	883.1	898.4	898.3	895.5	886.4	872.6	874.6	887.2
22	865.0	865.9	873.0	888.7	889.3	886.5	876.6	862.4	863.6	876.9
23	855.1	854.5	862.5	879.3	880.3	877.5	866.5	852.1	852.8	866.5
24	844.6	843.0	852.6	870.4	872.2	869.0	856.6	842.3	842.0	856.3
25	834.2	832.2	842.9	862.1	864.8	861.0	847.4	832.4	831.7	846.5
26	823.9	821.6	833.5	854.3	858.2	854.0	838.8	823.1	821.4	837.3
27	813.3	811.5	824.2	847.1	851.7	847.2	830.5	813.2	811.6	828.1
28	802.6	801.9	815.7	839.8	845.6	840.6	822.3	803.4	801.6	818.8
29	792.0	792.5	807.5	832.9	839.3	833.9	813.7	793.4	791.2	809.3
30	781.3	782.8	799.3	825.8	832.5	826.7	804.6	783.1	780.5	799.5
31	770.3	773.0	791.1	818.5	825.2	818.7	795.1	772.0	769.3	789.7
32	759.4	762.7	782.3	810.8	817.3	810.1	784.9	760.6	757.8	779.2
33	748.1	751.8	773.3	802.5	808.9	801.1	774.1	748.6	746.0	768.5
34	736.5	740.3	763.7	794.1	800.5	791.8	763.0	736.4	733.8	757.5
35	724.4	728.3	753.5	785.3	791.7	782.5	752.0	724.0	721.6	746.0
36	712.7	715.8	742.5	776.1	783.0	773.2	740.9	711.8	709.0	734.4
37	700.6	702.7	731.3	766.3	774.3	763.8	729.6	699.4	696.3	722.6
38	687.7	689.6	719.5	755.8	764.7	754.0	718.2	686.7	683.3	710.2
39	673.3	676.6	707.0	744.3	754.8	744.0	706.5	673.8	670.1	697.7
40	658.6	663.2	694.3	732.8	744.7	733.4	695.0	660.7	656.5	684.8
41	644.3	648.9	681.7	721.2	734.2	722.3	683.0	647.5	642.7	671.4
42	630.0	634.8	669.0	709.9	723.6	710.5	670.8	634.5	629.3	658.0
43	615.8	621.0	656.4	698.3	712.8	699.4	658.6	621.1	615.5	644.5
44	601.6	607.4	644.3	687.0	702.1	688.2	646.4	607.8	601.9	631.2
45	587.6	593.9	632.2	675.9	691.6	676.9	633.9	594.7	588.2	617.9
46	573.3	580.6	620.3	664.8	681.2	665.8	621.5	581.2	574.4	604.9
47	559.3	567.2	608.3	654.0	670.7	654.4	608.9	567.7	560.3	592.0
48	545.2	553.9	596.7	643.0	660.1	642.9	596.2	553.8	546.5	578.9
49	530.6	540.4	584.8	631.8	649.3	631.0	583.3	539.7	532.5	565.9
50	516.1	526.4	572.8	620.5	638.1	619.0	570.0	525.5	518.0	552.6
51	501.3	512.1	560.5	609.2	626.9	606.9	556.4	511.1	503.4	539.2
52	486.8	497.9	547.9	597.6	615.5	594.8	542.8	496.5	488.7	525.6
53	472.2	483.1	535.0	585.9	604.2	582.6	529.3	481.8	473.4	511.6

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CANDELA TABULATION - (Cont.)

54	457.7	468.4	522.2	573.8	592.6	570.4	515.9	467.2	458.2	497.4
55	443.0	453.6	509.0	561.5	581.0	558.5	502.7	452.4	442.6	483.2
56	428.3	438.4	495.3	548.9	568.9	546.5	489.4	437.6	427.1	468.7
57	413.3	423.5	481.5	536.1	556.9	534.8	476.5	422.9	411.8	454.7
58	398.1	408.8	467.8	523.7	545.1	522.6	463.2	408.1	396.6	440.1
59	382.4	394.3	454.1	511.3	533.5	510.7	450.0	393.6	381.3	426.0
60	366.4	379.8	440.8	499.1	521.8	498.8	437.1	379.1	366.1	411.6
61	350.4	365.4	427.5	486.7	510.0	486.8	424.1	364.6	350.7	397.5
62	334.4	350.9	414.1	474.3	498.1	474.5	411.2	350.1	335.8	383.6
63	318.5	336.6	400.6	461.7	486.0	462.1	398.2	335.9	320.7	369.5
64	302.6	322.4	387.6	449.3	474.0	449.7	385.0	321.8	305.6	355.6
65	287.3	308.3	374.7	437.2	461.7	437.2	372.0	307.7	290.5	341.8
66	272.0	294.2	362.1	425.3	449.4	425.2	359.2	293.7	275.8	328.0
67	257.2	280.2	349.9	413.3	437.4	412.9	346.6	279.7	261.1	314.3
68	242.6	266.5	338.1	401.8	425.6	401.3	334.6	266.2	246.5	301.1
69	228.2	253.3	326.8	390.5	414.5	390.2	322.8	253.0	231.8	288.0
70	214.3	240.5	315.7	379.6	403.9	379.6	311.7	240.2	217.8	275.4
71	200.7	228.2	304.9	369.0	393.7	369.2	300.9	227.7	203.8	262.9
72	188.9	216.3	294.3	359.0	383.9	359.0	290.4	215.7	191.1	251.0
73	175.5	204.8	283.7	348.9	374.5	349.4	280.3	203.9	177.7	239.3
74	162.0	193.6	272.9	339.1	365.2	339.6	270.3	192.6	164.0	227.8
75	148.7	184.3	262.9	329.5	356.0	329.9	260.6	183.1	150.6	216.5
76	135.4	173.8	252.8	320.2	346.7	320.5	251.0	172.2	137.4	205.3
77	122.3	163.8	243.2	311.2	337.5	311.2	241.5	161.5	124.9	194.7
78	109.5	153.9	233.7	302.2	328.4	301.7	232.5	151.4	112.4	185.6
79	97.2	144.1	224.6	293.5	319.5	292.6	223.6	141.8	100.4	175.2
80	85.2	134.4	215.9	284.9	310.1	283.8	215.1	132.4	88.7	165.0
81	73.8	125.1	207.5	276.5	301.3	274.9	206.5	123.3	77.5	154.9
82	63.2	116.3	199.2	267.9	292.5	266.2	198.0	114.9	66.8	145.1
83	53.0	108.0	191.6	259.2	283.4	257.7	190.9	106.5	56.6	135.4
84	43.7	100.1	184.6	250.5	274.4	249.0	182.8	98.5	46.8	125.9
85	34.9	92.5	176.8	242.0	265.4	240.6	175.0	91.1	37.7	117.0
86	27.0	85.4	169.2	233.5	256.7	232.2	167.0	84.1	29.2	108.5
87	20.6	78.9	161.9	225.2	248.2	224.1	159.4	77.5	22.0	100.5
88	15.2	73.0	154.7	217.2	239.8	216.0	152.4	71.6	15.9	93.1
89	10.7	67.6	147.7	209.3	231.9	208.4	145.5	66.0	11.7	86.1
90	6.7	62.5	141.1	201.7	224.0	200.9	139.0	60.9	7.4	79.6
91	6.2	57.9	134.8	194.4	216.3	193.5	132.7	56.5	6.1	73.6
92	6.3	53.7	128.7	188.8	209.0	188.0	126.6	52.1	6.2	68.0
93	6.3	50.0	122.9	182.0	202.1	181.2	120.9	48.0	6.2	62.9
94	6.3	46.4	117.4	175.6	195.1	174.7	115.3	44.5	6.1	58.1
95	6.4	43.3	112.3	169.2	190.0	168.3	110.1	41.2	6.1	53.6
96	6.5	40.4	107.5	163.2	183.6	162.2	105.3	38.5	6.1	49.6
97	6.5	38.0	103.0	157.4	177.4	156.3	100.6	36.0	6.0	46.0
98	6.5	35.7	98.5	151.5	171.2	150.6	96.0	33.5	6.0	42.5
99	6.7	33.1	94.2	145.9	165.4	144.8	91.7	31.4	6.1	39.1
100	6.7	30.3	89.8	140.5	159.4	139.2	87.5	28.9	6.1	35.6
101	6.9	27.4	85.6	135.2	153.6	133.8	83.5	26.5	6.0	32.0
102	7.1	24.8	81.3	130.0	147.9	128.4	79.4	24.0	5.9	28.6
103	7.1	22.5	76.7	124.9	142.3	123.2	75.2	21.8	6.1	25.5
104	6.9	20.5	71.8	120.0	136.7	118.4	70.5	19.9	6.3	22.8
105	7.0	18.7	66.4	115.0	131.3	113.4	65.3	18.2	6.5	20.5
106	7.0	17.4	61.0	109.9	125.9	108.3	60.1	17.0	6.5	19.0
107	7.0	16.5	56.2	104.5	120.5	102.9	55.3	16.0	6.5	17.6
108	7.1	15.4	52.0	98.8	114.8	97.3	51.2	15.1	6.6	16.6
109	7.1	14.6	48.2	92.4	108.8	90.9	47.6	14.5	6.6	15.7

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CANDELA TABULATION - (Cont.)

110	7.1	14.0	44.9	85.7	102.2	84.3	44.1	13.8	6.6	14.9
111	7.2	13.4	42.4	79.6	95.3	78.3	41.2	13.3	6.5	14.2
112	7.2	12.9	39.7	74.0	88.5	72.9	38.6	12.8	6.5	13.6
113	7.3	12.3	37.3	68.9	82.4	68.1	36.2	12.3	6.5	12.9
114	7.3	11.8	35.1	64.4	77.0	63.6	33.9	11.9	6.4	12.3
115	7.4	11.3	33.1	60.2	71.9	59.4	31.9	11.8	6.3	11.7
116	7.5	10.9	31.2	56.4	67.3	55.7	30.0	11.5	6.4	11.1
117	7.7	10.6	29.6	53.0	62.8	52.3	28.3	11.3	6.5	10.6
118	7.8	10.4	27.9	49.8	58.8	49.1	26.8	11.0	6.5	10.3
119	7.8	10.1	26.0	47.0	55.1	46.3	25.5	10.9	6.6	10.1
120	7.9	9.9	23.7	44.2	51.8	43.5	24.2	10.7	6.7	10.0
121	7.9	9.7	21.2	41.8	48.7	41.1	23.1	10.6	6.7	9.8
122	8.0	9.7	20.1	39.3	45.8	38.7	22.0	10.5	7.0	9.6
123	8.1	9.7	18.8	37.2	43.3	36.6	21.0	10.3	7.0	9.4
124	8.1	9.8	17.8	35.3	40.7	34.6	20.2	10.3	7.2	9.3
125	8.1	9.8	16.5	33.4	38.4	32.8	19.4	10.2	7.3	9.2
126	8.1	9.7	15.4	31.4	36.2	31.0	18.5	10.1	7.3	9.2
127	8.1	9.5	14.7	29.5	34.3	29.3	17.8	10.1	7.4	9.1
128	8.3	9.4	13.8	27.8	32.1	27.8	17.4	10.0	7.4	8.9
129	8.4	9.3	13.4	26.4	30.0	26.5	16.9	10.0	7.4	8.8
130	8.5	9.2	12.9	25.0	28.4	25.2	16.5	9.9	7.4	8.8
131	8.3	9.0	12.5	23.5	27.1	24.0	16.1	9.8	7.5	8.8
132	8.3	8.9	12.3	21.5	25.9	22.8	15.6	9.8	7.5	8.8
133	8.3	8.9	12.1	18.4	24.8	21.3	15.1	9.8	7.5	8.7
134	8.2	8.8	11.5	15.6	23.7	20.2	14.6	9.6	7.6	8.6
135	8.3	8.8	11.1	14.6	21.8	19.3	14.1	9.6	7.6	8.5
136	8.4	8.9	10.9	14.4	20.3	18.6	13.4	9.5	7.7	8.5
137	8.5	8.8	10.7	13.5	19.5	18.0	13.1	9.5	7.8	8.6
138	8.5	8.9	10.6	12.7	18.9	17.4	12.8	9.4	7.9	8.7
139	8.6	8.9	10.4	11.9	18.2	16.8	12.5	9.3	8.0	8.8
140	8.8	8.9	10.1	11.1	17.4	16.2	12.1	9.2	8.2	8.8
141	8.9	8.9	10.0	10.1	16.6	15.4	11.9	9.2	8.2	8.9
142	9.0	9.0	9.9	9.3	15.9	14.7	11.8	9.1	8.2	9.0
143	9.2	9.1	9.8	8.8	14.9	13.9	11.8	9.1	8.3	9.1
144	9.4	9.2	9.9	8.4	13.9	13.3	11.7	9.2	8.4	9.1
145	9.6	9.3	9.8	8.2	13.1	13.0	11.6	9.2	8.5	9.1
146	9.9	9.5	9.5	8.0	12.5	12.6	11.4	9.3	8.6	9.1
147	9.9	9.7	9.4	7.8	11.9	12.3	11.2	9.5	8.7	9.0
148	10.1	9.7	9.1	7.7	11.4	12.2	10.9	9.5	8.8	9.1
149	10.1	9.8	8.9	7.6	10.9	12.0	10.6	9.6	9.0	9.2
150	10.3	10.0	8.7	7.8	9.7	11.8	10.4	9.6	9.2	9.3
151	10.4	10.2	8.5	7.7	9.3	11.6	10.2	9.8	9.3	9.2
152	10.6	10.4	8.4	7.6	9.7	11.3	10.0	9.8	9.4	9.4
153	10.8	10.6	8.5	7.6	10.0	10.8	10.1	10.0	9.7	9.5
154	11.0	10.7	8.5	7.4	9.6	10.5	10.1	9.9	9.7	9.5
155	11.1	10.8	8.4	7.3	9.2	10.1	9.9	10.0	9.8	9.7
156	11.3	10.9	8.5	7.4	8.9	9.9	9.8	10.3	10.0	10.0
157	11.4	10.9	8.5	7.1	8.2	9.6	9.7	10.4	10.3	10.2
158	11.6	11.0	8.6	7.0	6.7	9.3	9.6	10.5	10.4	10.3
159	11.7	11.3	8.7	6.8	5.3	9.1	9.7	10.6	10.6	10.4
160	11.8	11.4	8.9	6.8	5.3	8.8	9.7	10.8	10.8	10.6
161	12.1	11.6	9.0	6.6	5.2	8.5	9.8	10.8	11.0	10.7
162	12.3	11.8	9.1	6.8	5.5	8.4	9.9	10.8	11.4	10.7
163	12.7	12.1	9.5	6.7	5.5	8.2	10.0	10.9	11.6	10.8
164	12.9	12.4	9.5	6.7	5.6	8.3	10.2	11.1	11.6	11.1
165	13.1	12.6	9.7	6.9	5.6	8.4	10.4	11.3	11.7	11.4

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CANDELA TABULATION - (Cont.)

166	13.3	12.8	9.8	7.1	5.6	8.7	10.4	11.5	11.8	11.6
167	13.4	12.7	9.7	7.4	5.7	9.0	10.2	11.6	12.0	11.8
168	13.5	12.9	9.8	7.3	5.7	9.0	10.1	11.7	12.1	12.0
169	13.3	12.8	10.0	7.1	5.9	8.9	10.2	11.7	12.2	12.1
170	13.3	13.0	10.4	6.9	5.9	8.7	10.3	11.7	12.2	12.2
171	13.5	13.1	10.7	7.0	5.8	8.7	10.6	11.9	12.2	12.1
172	13.5	13.1	10.8	7.2	5.9	8.4	10.8	12.1	12.3	11.9
173	13.6	13.1	10.6	7.4	6.0	8.0	10.8	12.1	12.3	11.9
174	13.7	13.0	10.6	7.4	5.9	7.9	10.5	12.2	12.5	11.8
175	13.6	12.7	10.7	7.3	5.9	7.8	10.2	12.0	12.6	11.6
176	13.6	12.6	10.8	7.3	5.8	7.7	10.1	12.0	12.7	11.6
177	13.5	13.0	10.9	7.3	5.5	7.2	10.4	11.7	12.7	11.9
178	13.2	13.0	10.7	7.5	5.3	7.4	10.3	11.7	12.8	11.9
179	13.3	12.9	10.8	7.9	5.3	7.3	10.1	12.1	12.8	11.6
180	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1

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	976.4	976.4	976.4	976.4	976.4	976.4	976.4
1	975.2	983.0	978.5	981.1	979.2	975.8	975.8
2	975.8	985.0	981.8	985.5	984.0	979.6	977.7
3	974.6	984.7	982.3	987.5	986.2	981.7	978.4
4	972.9	983.6	982.1	988.9	988.8	982.5	978.5
5	970.0	981.1	981.9	990.0	990.5	983.0	977.6
6	967.3	978.6	980.8	990.3	990.2	982.2	975.3
7	964.8	975.9	979.2	988.7	988.5	980.3	972.5
8	962.5	974.4	977.9	986.7	985.9	977.5	969.4
9	960.8	973.1	977.1	983.9	982.9	974.4	966.4
10	959.0	971.6	974.6	981.0	978.9	970.0	962.7
11	957.9	970.1	971.2	977.1	973.8	964.2	957.8
12	956.4	968.3	967.9	972.4	967.9	957.5	951.9
13	954.3	966.6	965.1	967.3	961.5	950.0	945.4
14	951.5	964.7	962.5	962.6	955.3	942.6	938.3
15	947.8	962.1	959.6	958.0	948.7	935.4	931.3
16	942.8	959.1	956.0	953.2	942.6	928.3	923.2
17	936.9	954.7	952.2	948.2	936.0	920.8	915.3
18	929.6	949.0	947.8	943.1	928.9	913.0	906.6
19	921.2	942.0	942.4	937.2	921.7	903.9	897.0
20	912.2	933.6	935.3	930.6	914.1	894.5	886.9
21	902.4	924.8	927.6	923.5	906.0	885.1	876.2
22	892.9	916.3	919.9	916.4	897.9	875.5	865.3
23	883.8	909.1	912.4	908.8	889.8	866.1	854.8
24	875.6	902.2	905.9	902.1	881.9	856.9	844.1
25	867.6	895.8	900.0	895.8	874.3	847.6	834.0
26	859.8	889.5	894.9	890.2	867.3	838.5	823.7
27	852.1	883.3	890.0	885.0	860.0	829.6	813.6
28	845.1	877.4	884.9	879.2	852.6	820.5	803.1
29	837.6	871.5	879.6	873.5	844.9	811.0	792.4
30	830.0	865.2	873.9	866.3	836.8	801.1	781.7
31	822.1	858.8	867.3	859.0	827.8	791.1	770.6
32	813.8	851.7	860.7	851.0	818.2	780.4	759.1
33	805.3	844.4	853.5	842.6	808.3	769.2	747.5
34	796.4	837.0	846.0	834.7	798.3	757.8	735.5
35	787.6	829.3	838.9	826.4	788.1	746.0	723.3
36	777.9	821.3	831.5	818.0	778.2	734.5	711.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S-LED2-25PS-8CSA_25W_5K.IES

CANDELA TABULATION - (Cont.)

37	767.8	813.0	823.8	810.0	768.5	722.4	699.8
38	757.0	803.9	816.1	801.1	758.1	710.0	687.5
39	745.8	793.9	807.4	792.3	747.7	697.7	673.3
40	734.4	783.7	798.2	782.6	736.8	685.9	659.1
41	722.5	773.1	788.7	772.8	725.6	674.2	645.1
42	710.8	762.2	778.4	762.6	714.4	662.9	631.2
43	698.9	751.3	767.7	752.0	703.0	650.1	617.1
44	687.4	740.5	756.9	741.3	691.3	636.1	602.9
45	675.7	729.9	746.5	730.5	679.6	622.3	589.0
46	664.3	719.2	736.3	719.8	667.5	608.6	575.0
47	653.1	708.8	726.1	708.5	655.5	595.1	560.8
48	641.9	698.3	715.7	697.3	643.0	582.0	546.7
49	630.3	687.8	705.3	686.2	630.7	568.5	532.6
50	618.7	677.0	695.0	674.8	618.1	554.7	518.5
51	606.7	666.3	684.9	663.4	605.5	540.7	503.8
52	594.5	655.1	674.6	652.1	592.8	526.6	488.8
53	582.5	644.0	663.8	640.7	579.8	512.3	473.9
54	570.0	632.4	652.7	629.2	567.0	497.8	458.6
55	557.4	620.2	641.1	617.8	554.4	483.1	443.3
56	544.3	607.9	629.1	605.8	542.0	468.7	427.8
57	531.3	595.5	617.3	593.8	529.7	453.8	412.2
58	518.2	583.2	605.3	581.7	517.3	439.4	396.6
59	505.3	570.8	593.5	569.5	505.2	424.8	381.0
60	492.3	558.5	581.9	557.5	492.9	410.8	365.5
61	479.5	546.2	569.9	545.3	479.9	396.2	350.0
62	466.2	533.5	557.9	533.0	466.4	382.3	334.6
63	453.1	520.7	545.5	520.6	452.8	368.4	319.5
64	440.0	508.1	533.0	508.0	439.3	354.7	304.2
65	427.0	495.5	520.7	495.4	425.8	340.7	289.1
66	414.0	483.2	508.1	482.8	412.5	327.0	273.9
67	401.6	470.7	495.4	470.6	399.3	313.0	259.2
68	389.2	458.6	483.4	458.5	386.8	299.5	244.5
69	377.1	446.8	471.7	446.8	374.8	286.5	230.0
70	365.6	435.4	460.7	435.6	363.1	273.4	215.6
71	354.5	424.4	450.1	424.6	352.0	260.8	201.5
72	343.4	413.7	439.7	414.0	341.1	248.1	188.2
73	332.4	402.9	429.4	403.5	330.3	235.9	175.0
74	321.6	392.4	419.1	393.4	319.7	224.3	161.4
75	310.9	382.3	409.0	383.2	309.3	212.7	148.2
76	300.6	372.3	399.1	373.2	299.1	201.4	135.3
77	290.8	362.6	389.3	363.2	289.0	191.1	122.6
78	281.1	353.1	379.4	353.1	278.8	181.1	110.4
79	271.3	343.6	369.7	343.3	269.0	170.5	98.5
80	261.8	334.3	360.0	333.5	259.4	160.5	86.9
81	252.3	324.7	350.1	323.6	249.8	150.7	75.7
82	242.8	315.3	340.4	314.2	240.3	141.2	64.9
83	233.2	305.8	330.7	304.5	231.0	131.7	54.5
84	223.8	296.1	320.6	294.7	221.7	122.6	44.6
85	214.6	286.5	310.8	285.1	212.4	113.9	35.4
86	205.5	277.0	301.1	275.6	203.3	105.5	26.9
87	197.2	267.6	291.5	266.3	194.6	97.6	19.9
88	190.2	258.5	282.2	257.2	187.7	90.3	14.4
89	182.3	249.7	272.9	248.4	179.7	83.5	10.1
90	174.6	241.0	264.0	239.8	171.8	77.1	6.4
91	167.1	232.5	255.5	231.3	164.1	71.2	6.4
92	159.8	224.3	247.2	223.4	156.7	65.6	6.4

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	152.8	216.4	239.2	215.4	149.7	60.2	6.3
94	146.1	208.7	231.1	207.7	142.9	55.6	6.3
95	139.6	201.2	223.2	200.2	136.3	51.4	6.3
96	133.3	194.0	215.8	193.1	130.3	47.6	6.5
97	127.4	188.4	208.5	187.6	124.5	44.2	6.5
98	121.6	181.5	201.1	180.6	118.8	40.8	6.5
99	116.0	174.7	194.2	173.7	113.1	37.2	6.5
100	110.5	168.0	188.5	166.8	107.8	33.5	6.5
101	105.1	161.4	181.7	160.2	102.4	29.4	6.6
102	99.4	155.0	174.7	153.7	96.7	26.0	6.8
103	93.5	148.7	168.0	147.3	90.6	23.3	6.8
104	86.8	142.5	161.5	141.0	83.8	20.9	6.8
105	79.7	136.3	155.0	134.7	76.6	19.0	6.8
106	72.6	130.0	148.5	128.1	70.0	17.6	6.9
107	66.5	123.1	141.8	121.2	64.2	16.7	6.9
108	61.2	115.5	134.6	113.3	59.3	15.5	6.9
109	56.5	107.1	127.0	104.9	54.7	14.9	6.9
110	52.4	99.0	118.4	97.2	50.6	14.3	7.0
111	48.3	91.7	110.0	90.2	46.9	13.7	6.8
112	44.6	85.0	102.2	84.1	43.6	13.4	6.8
113	41.3	78.9	95.1	78.3	40.6	13.1	6.9
114	38.1	73.3	88.6	73.1	37.7	12.7	7.0
115	35.3	68.3	82.7	68.3	35.4	12.4	7.1
116	33.3	63.5	77.1	63.8	33.8	12.1	7.2
117	31.6	59.3	71.9	59.5	32.0	11.8	7.2
118	29.8	55.4	67.1	55.6	30.2	11.5	7.2
119	28.1	51.5	62.7	51.8	28.8	11.2	7.2
120	26.2	48.1	58.5	48.1	27.3	11.1	7.3
121	24.2	44.7	54.4	44.6	26.0	10.9	7.4
122	22.1	42.4	50.7	42.4	24.7	10.8	7.4
123	20.3	40.3	46.9	40.3	23.6	10.7	7.5
124	18.7	38.2	44.3	38.2	22.5	10.5	7.5
125	17.3	36.2	42.0	35.9	21.4	10.5	7.7
126	16.1	34.0	39.7	33.8	20.5	10.4	7.7
127	15.3	32.1	37.4	32.1	19.7	10.4	7.9
128	14.7	30.3	34.8	30.4	18.9	10.4	8.2
129	14.1	28.5	32.9	28.9	18.1	10.5	8.3
130	13.6	27.2	31.0	27.6	17.4	10.6	8.5
131	13.0	25.6	29.4	26.1	16.9	10.6	8.5
132	12.4	23.3	28.0	24.3	16.1	10.5	8.6
133	11.6	21.0	26.6	23.0	15.4	10.4	8.5
134	11.0	19.1	24.5	22.0	14.5	10.4	8.6
135	10.5	17.1	22.8	21.2	14.1	10.4	8.5
136	10.2	15.5	21.6	20.2	14.1	10.5	8.5
137	9.9	14.5	20.6	19.4	13.9	10.6	8.4
138	9.7	13.3	19.6	18.7	13.6	10.6	8.6
139	9.6	12.1	18.8	17.8	13.6	10.6	8.6
140	9.5	11.1	17.8	16.7	13.5	10.7	8.8
141	9.5	9.9	17.0	15.4	13.4	10.7	9.0
142	9.4	9.2	15.7	14.4	13.5	10.7	9.1
143	9.3	8.8	14.3	13.9	13.5	10.6	9.1
144	9.3	8.6	13.1	13.8	13.3	10.7	9.1
145	9.2	8.4	12.6	13.4	13.1	10.7	9.2
146	9.1	8.3	12.1	13.1	12.8	10.7	9.3
147	8.9	8.3	11.8	13.0	12.6	10.7	9.4
148	8.7	8.3	11.5	12.9	12.3	10.7	9.5

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CANDELA TABULATION - (Cont.)

149	8.5	8.3	11.1	12.7	12.0	10.8	9.6
150	8.4	8.4	11.0	12.8	11.8	10.9	9.8
151	8.3	8.2	10.9	12.6	11.6	10.9	10.1
152	8.3	7.8	10.5	12.1	11.6	11.0	10.4
153	8.3	7.4	9.3	11.7	11.6	11.2	10.7
154	8.2	7.2	8.9	11.1	11.6	11.4	10.9
155	8.2	7.1	7.9	10.7	11.5	11.5	11.1
156	8.3	6.9	8.1	10.2	11.5	11.8	11.3
157	8.3	6.9	7.9	10.0	11.4	11.8	11.3
158	8.3	6.8	7.3	9.8	11.5	12.0	11.4
159	8.4	6.8	6.0	9.7	11.5	11.9	11.5
160	8.4	6.8	5.8	9.9	11.5	11.9	11.6
161	8.6	6.7	5.8	9.8	11.7	12.1	11.7
162	8.9	6.8	6.0	9.9	11.8	12.0	12.0
163	9.1	6.8	6.0	9.8	11.8	12.1	12.2
164	9.2	7.0	5.9	9.8	11.8	12.4	12.5
165	9.5	7.2	6.0	9.9	11.7	12.5	12.6
166	9.5	7.3	6.1	9.9	11.7	12.6	12.7
167	9.4	7.5	6.1	9.9	11.7	12.7	12.9
168	9.3	7.6	6.0	9.8	11.5	12.9	13.1
169	9.3	7.3	5.9	9.6	11.5	12.9	13.2
170	9.5	7.1	5.9	9.3	11.5	13.1	13.3
171	9.8	6.9	5.7	9.0	11.6	13.2	13.3
172	9.8	6.7	5.9	8.7	11.7	13.2	13.3
173	9.9	6.8	5.8	8.7	11.7	13.0	13.2
174	9.9	6.9	6.0	8.5	11.6	13.0	13.1
175	10.0	7.0	6.1	8.4	11.5	13.1	13.1
176	10.2	7.2	6.1	8.4	11.5	13.1	13.5
177	10.5	7.5	5.9	8.1	11.5	12.9	13.5
178	10.1	7.7	5.6	8.2	11.2	12.6	13.3
179	10.0	7.4	5.5	8.0	11.4	12.5	13.1
180	10.1	10.1	10.1	10.1	10.1	10.1	10.1

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	358.14	N.A.	10.60
0-30	754.84	N.A.	22.30
0-40	1236.74	N.A.	36.50
0-60	2215.46	N.A.	65.40
0-80	2900.8	N.A.	85.60
0-90	3099.66	N.A.	91.50
10-90	3006.73	N.A.	88.70
20-40	878.60	N.A.	25.90
20-50	1384.4	N.A.	40.80
40-70	1370.77	N.A.	40.40
60-80	685.35	N.A.	20.20
70-80	293.29	N.A.	8.70
80-90	198.86	N.A.	5.90
90-110	204.85	N.A.	6.00
90-120	243.63	N.A.	7.20
90-130	263.52	N.A.	7.80
90-150	281.29	N.A.	8.30
90-180	289.48	N.A.	8.50
110-180	84.63	N.A.	2.50
0-180	3389.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	92.94
10-20	265.20
20-30	396.70
30-40	481.90
40-50	505.79
50-60	472.92
60-70	392.06
70-80	293.29
80-90	198.86
90-100	127.46
100-110	77.38
110-120	38.78
120-130	19.90
130-140	11.05
140-150	6.72
150-160	4.47
160-170	2.76
170-180	0.96

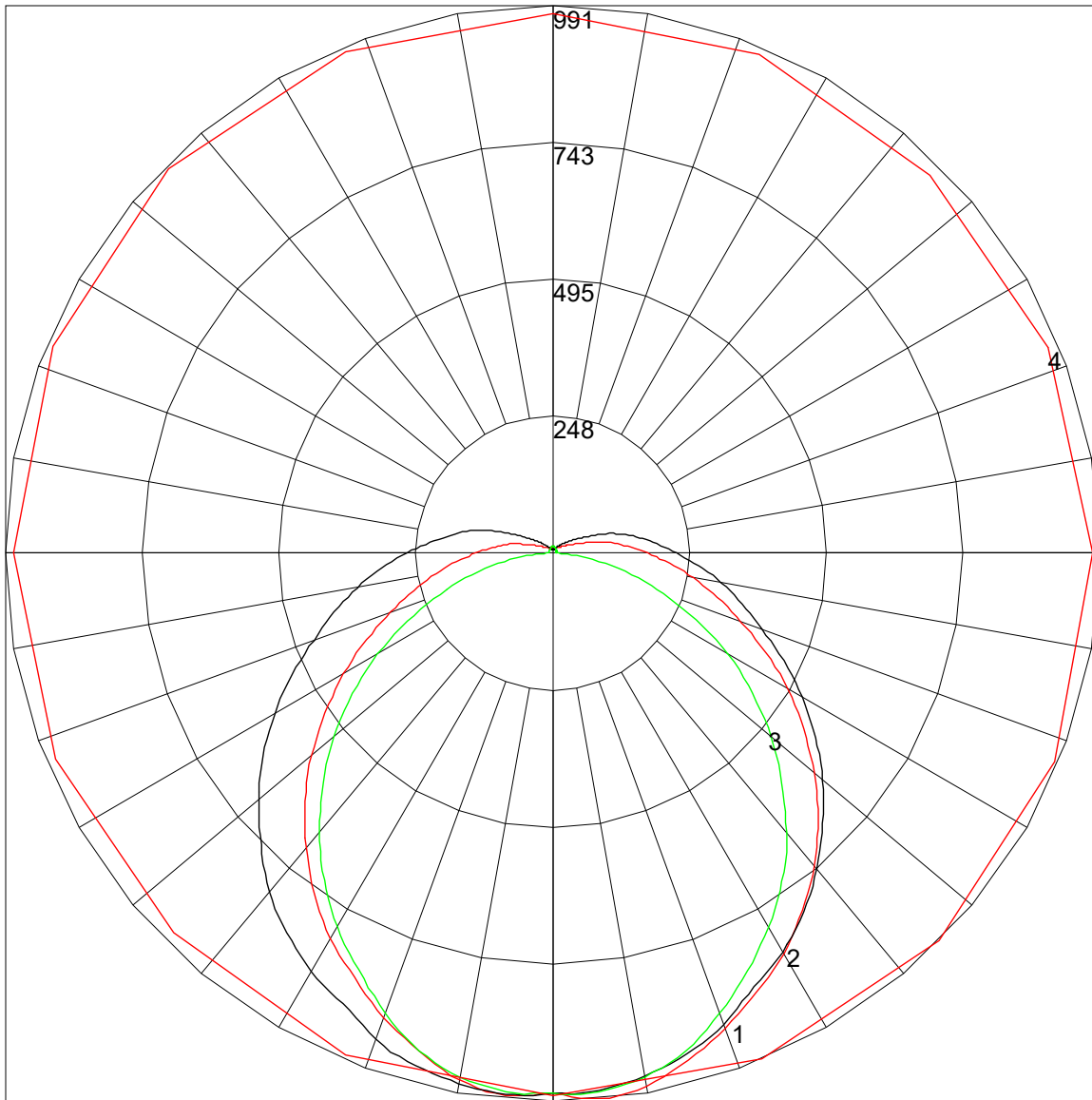
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	105	99	94	90	101	96	91	87	90	86	83	85	82	79	80	77	75	72
2	95	86	78	72	91	83	76	70	78	72	67	73	69	64	69	65	62	59
3	86	75	66	59	83	72	64	58	68	61	56	64	58	54	61	56	52	49
4	78	66	57	50	75	64	55	49	60	53	47	57	51	46	54	48	44	41
5	72	59	49	42	69	57	48	42	54	46	41	51	44	39	48	43	38	36
6	66	53	43	37	64	51	43	36	49	41	35	46	39	34	44	38	33	31
7	62	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	30	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	37	31	26	24
9	53	40	31	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	27	22	31	26	22	20

POLAR GRAPH



Maximum Candela = 990.5 Located At Horizontal Angle = 315, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (315 - 135) (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.)