



IES INDOOR REPORT

PHOTOMETRIC FILENAME : S-LED2-25PS-8CSA_25W_35K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 4789945682_24
[TESTLAB] UL-CCIC (Suzhou) Co.,Ltd
[TESTDATE] 06/28/2021
[ISSUEDATE] 07/08/2021
[MANUFAC] Lamar LED
[LUMCAT] S-LED2-25PS-8CSA_25W_35K
[MORE] 120.01V
[MORE] 0.2126A
[MORE] 25.45W
[MORE] PF 0.9971
[MORE] ATHD 3.46%

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)	130
Total Luminaire Watts	25.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.34
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	17103	20785	29058
55	14047	19004	30035
65	10491	16982	32038
75	6496	15323	38445
85	2055	14618	66966

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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	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5	957.5
1	959.4	959.0	956.5	964.4	960.0	962.0	960.9	957.5	958.1	958.4
2	960.6	959.5	957.2	965.7	961.8	965.0	964.6	960.6	959.5	958.4
3	960.6	959.1	955.8	964.9	963.0	967.1	967.5	963.4	960.5	958.0
4	959.9	957.4	953.8	963.2	962.5	968.8	969.7	965.1	960.7	956.3
5	959.0	954.8	951.3	961.1	961.2	969.5	970.8	965.1	959.2	953.6
6	956.9	952.4	948.4	959.2	960.3	969.5	970.7	963.7	957.3	951.0
7	954.0	950.1	946.1	956.8	959.1	968.4	969.2	961.2	954.7	947.7
8	951.2	947.5	943.6	954.4	957.5	966.8	966.0	958.5	951.9	944.1
9	948.1	944.6	941.1	952.3	955.6	963.8	962.1	954.4	948.4	940.8
10	944.2	942.1	939.4	951.0	953.0	960.0	957.7	950.0	943.9	937.5
11	939.5	939.0	937.8	949.3	950.1	956.0	952.4	944.5	939.5	934.5
12	933.8	935.6	936.2	947.6	947.3	951.6	947.2	938.5	934.3	930.9
13	927.1	932.0	934.3	945.7	944.4	947.1	941.6	931.6	928.7	927.1
14	919.7	926.8	931.5	943.5	941.3	942.4	935.5	924.8	922.9	922.3
15	912.2	920.8	927.5	940.8	938.1	937.4	928.7	918.0	916.0	916.3
16	904.5	913.5	922.4	937.0	934.3	932.2	921.7	910.8	907.4	909.7
17	896.7	905.4	915.7	932.0	930.2	926.9	914.5	902.7	897.7	900.9
18	888.5	896.8	908.1	926.0	925.1	921.2	907.8	893.8	888.1	890.9
19	879.2	887.7	899.3	919.1	919.1	915.3	901.1	884.7	878.5	881.1
20	869.2	878.3	890.4	911.1	912.1	908.7	894.4	876.0	868.7	870.9
21	858.6	868.5	881.4	902.9	905.0	901.4	887.4	866.5	858.9	860.4
22	847.8	858.3	872.4	894.5	897.1	893.8	879.8	857.5	848.6	849.9
23	836.8	848.4	863.7	886.8	889.9	886.6	871.4	848.1	838.3	839.5
24	826.3	838.4	855.2	879.7	883.4	879.2	862.7	838.4	827.6	828.9
25	815.9	828.9	847.0	872.5	877.3	872.7	853.9	828.8	816.7	818.4
26	806.0	818.7	838.9	865.8	871.6	866.5	846.1	819.3	806.2	808.1
27	796.1	809.1	831.3	859.3	866.1	860.5	838.2	809.7	795.8	798.7
28	786.1	799.3	823.5	853.0	860.6	854.8	830.6	800.3	785.4	788.6
29	776.0	789.8	815.9	846.8	855.0	848.8	822.6	790.9	775.1	778.8
30	765.7	780.2	808.1	840.7	848.7	841.8	814.4	781.0	764.8	769.0
31	755.0	770.5	800.2	834.1	842.4	834.6	805.7	771.0	754.5	758.8
32	743.6	760.8	792.1	827.2	835.7	827.0	796.5	760.8	743.5	748.3
33	732.0	750.5	783.8	819.9	828.6	818.9	787.0	750.0	732.2	737.5
34	719.9	740.1	775.2	812.4	821.2	811.1	777.0	738.4	720.3	726.2
35	707.7	729.1	766.3	804.9	813.8	803.0	767.0	726.9	708.2	714.8
36	695.2	717.4	756.7	796.8	806.4	794.8	756.8	715.1	695.8	702.9
37	683.1	705.6	746.4	788.2	798.6	786.3	746.5	703.5	683.1	690.5
38	670.5	693.1	735.6	778.9	790.0	777.5	735.8	691.2	669.8	677.7
39	656.9	679.9	724.2	768.9	781.2	768.5	725.1	678.8	656.6	664.5
40	643.7	666.9	712.6	758.4	771.6	759.2	714.2	666.4	643.2	651.1
41	630.5	653.9	700.9	747.8	761.8	749.3	703.4	654.0	629.8	637.7
42	616.7	640.7	689.4	737.2	751.7	739.3	692.2	641.4	616.3	624.1
43	603.2	627.5	677.8	726.6	741.6	728.9	680.9	629.1	602.6	610.7
44	589.4	614.3	666.5	715.5	731.5	718.6	669.4	616.5	589.2	597.4
45	575.9	601.6	655.2	705.6	721.5	708.2	657.9	604.1	575.9	584.2
46	562.4	588.6	643.9	695.2	711.6	697.7	646.4	591.5	562.7	571.1
47	548.8	576.0	632.8	684.7	701.8	686.9	634.9	578.7	549.5	558.0
48	534.6	563.2	621.7	674.4	691.7	675.8	623.0	565.8	536.0	544.7
49	520.7	550.5	610.5	663.7	681.2	664.6	610.7	552.5	522.3	531.7
50	506.3	537.6	598.8	652.8	670.6	653.3	598.5	538.9	508.4	518.2
51	491.6	524.1	587.1	641.8	660.3	642.2	585.9	525.1	494.0	504.6
52	476.7	510.6	574.8	630.6	649.4	630.6	573.0	511.1	479.0	490.4
53	462.0	496.7	562.5	619.2	638.6	618.9	560.1	496.7	464.0	476.3

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CANDELA TABULATION - (Cont.)

54	446.9	482.5	549.9	607.5	627.4	607.0	547.2	482.3	448.8	461.9
55	432.0	468.2	537.1	595.7	616.0	595.3	534.3	468.0	433.6	447.5
56	417.0	454.1	524.3	583.7	604.5	583.2	521.6	453.8	418.5	433.0
57	402.1	439.6	511.4	571.8	593.1	571.5	509.0	439.7	403.4	418.8
58	387.2	425.4	498.7	560.2	581.9	559.7	496.4	426.1	388.6	404.6
59	372.3	411.5	486.2	548.1	570.5	547.8	483.8	412.4	373.8	390.6
60	357.3	397.5	473.9	536.6	559.1	536.2	471.5	398.7	359.0	376.6
61	342.4	383.7	461.2	524.7	547.5	524.3	459.1	385.2	344.5	363.0
62	327.4	370.0	448.4	512.4	535.8	512.5	446.7	371.5	329.8	349.4
63	312.5	356.2	435.6	500.0	523.6	500.5	434.2	357.9	315.2	335.4
64	297.4	342.6	422.8	487.4	511.4	488.4	421.6	343.9	300.3	321.6
65	282.2	329.1	410.0	474.7	498.7	475.9	408.9	330.1	285.3	307.7
66	267.6	315.5	397.1	462.2	486.5	463.6	396.2	316.4	270.5	294.0
67	252.8	302.0	384.4	449.7	474.0	451.5	383.7	302.8	255.9	280.5
68	238.5	288.9	372.2	437.8	462.4	439.4	371.5	289.4	241.2	267.3
69	224.2	276.0	360.2	426.3	450.9	428.1	359.8	276.5	226.9	254.3
70	210.2	263.6	348.5	415.2	439.9	417.0	348.6	264.1	212.7	242.0
71	196.4	251.5	337.4	404.5	429.4	406.5	337.8	252.0	199.1	230.1
72	184.0	239.8	326.7	394.4	419.3	396.1	327.1	240.1	187.0	218.5
73	170.6	228.4	316.0	384.4	409.5	386.2	316.8	228.7	173.8	207.4
74	157.4	217.1	305.5	374.5	399.7	376.3	306.8	217.5	160.6	196.3
75	144.4	206.1	295.6	364.7	390.2	366.7	296.7	206.6	147.7	187.0
76	131.6	195.3	285.7	354.9	380.7	357.2	286.9	195.7	135.0	176.4
77	119.3	185.9	275.9	345.5	371.2	347.7	277.2	186.3	122.5	165.9
78	107.3	175.5	266.4	336.1	362.0	338.0	267.6	175.5	110.5	156.2
79	95.6	165.2	257.0	326.7	352.8	328.5	258.1	165.3	98.6	146.3
80	84.3	155.2	247.7	317.4	343.6	318.9	248.9	155.3	87.1	137.0
81	73.5	145.4	238.5	308.1	334.1	309.4	239.7	145.4	76.1	127.7
82	63.1	136.1	229.3	299.0	324.8	300.1	230.7	135.8	65.5	118.9
83	53.2	127.0	220.2	290.0	315.2	290.9	221.7	126.6	55.5	110.6
84	43.6	118.1	211.2	280.7	305.7	281.6	212.8	117.9	46.0	102.5
85	34.7	109.6	202.5	271.4	296.3	272.5	203.9	109.5	37.0	94.8
86	26.5	101.7	194.2	262.4	286.8	263.2	195.4	101.6	29.0	87.6
87	19.8	94.2	187.6	253.9	277.7	254.4	188.6	94.2	22.0	80.9
88	14.3	87.3	179.8	245.4	268.8	245.9	180.7	87.2	16.2	74.8
89	10.0	80.9	172.3	236.9	260.4	237.5	173.0	80.7	12.0	69.0
90	5.9	75.1	165.0	229.0	252.0	229.6	165.6	74.8	7.7	63.5
91	5.4	69.6	157.8	221.0	243.8	221.8	158.4	69.2	6.2	58.7
92	5.5	64.4	150.9	213.2	235.7	214.0	151.4	63.9	6.2	54.3
93	5.5	59.8	144.3	205.9	228.0	206.3	144.7	59.0	6.2	50.1
94	5.5	55.5	138.0	198.6	220.3	198.8	138.1	54.6	6.3	46.5
95	5.6	51.5	132.2	191.6	213.1	191.7	131.7	50.6	6.3	43.2
96	5.7	47.8	126.4	186.4	205.9	186.1	125.8	47.1	6.2	40.1
97	5.8	44.4	120.9	179.7	199.1	179.5	120.3	43.8	6.2	37.4
98	5.8	41.3	115.4	173.1	192.7	172.9	114.7	40.8	6.2	34.9
99	5.8	38.1	110.5	166.6	186.9	166.5	109.6	37.7	6.2	32.5
100	5.9	34.6	105.4	160.3	180.4	160.1	104.6	34.7	6.1	29.9
101	6.2	31.0	100.4	154.0	173.8	153.7	99.8	31.3	6.1	27.1
102	6.2	27.5	95.3	148.1	167.2	147.7	94.8	28.0	6.2	24.5
103	6.3	24.7	89.9	142.4	160.9	141.9	89.7	25.1	6.2	22.1
104	6.3	22.1	84.3	136.6	154.9	136.2	84.1	22.7	6.4	20.0
105	6.3	19.8	77.9	130.9	148.7	130.7	77.7	20.5	6.5	18.3
106	6.4	18.0	71.5	125.0	142.8	124.9	71.2	18.6	6.6	17.2
107	6.4	16.8	65.5	119.0	136.7	118.9	65.4	17.2	6.8	16.2
108	6.4	15.8	60.4	112.5	130.4	112.2	60.3	16.1	6.8	15.4
109	6.5	14.9	55.9	105.3	123.6	105.0	55.7	15.2	6.9	14.7

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CANDELA TABULATION - (Cont.)

110	6.4	14.2	51.6	97.5	116.2	97.3	51.7	14.4	6.9	14.1
111	6.5	13.5	47.8	90.7	108.3	90.2	48.0	13.8	7.0	13.6
112	6.6	12.6	44.4	84.3	100.6	83.8	44.8	13.2	7.0	13.1
113	6.6	12.2	41.2	78.5	93.7	77.9	41.8	12.7	7.1	12.4
114	6.7	11.8	38.5	73.2	87.2	72.7	39.2	12.3	7.1	11.8
115	6.7	11.2	36.1	68.2	81.3	67.9	36.8	11.9	7.1	11.1
116	6.8	10.7	33.8	63.8	75.9	63.7	34.6	11.6	7.2	10.6
117	6.8	10.4	31.8	59.6	71.0	59.7	32.7	11.3	7.3	10.2
118	6.7	10.2	29.9	55.8	66.3	56.0	30.8	11.2	7.2	9.9
119	6.6	10.1	27.8	52.4	62.2	52.6	29.2	10.9	7.3	9.7
120	6.6	9.9	25.1	49.3	58.2	49.3	27.7	10.7	7.2	9.5
121	6.7	9.7	22.3	46.3	54.5	46.4	26.2	10.6	7.1	9.4
122	6.8	9.5	21.5	43.6	51.2	43.6	25.0	10.5	7.1	9.5
123	6.7	9.4	20.3	41.1	48.1	41.1	23.8	10.3	7.2	9.4
124	6.8	9.1	19.0	38.8	45.1	38.8	22.8	10.2	7.3	9.5
125	6.9	9.0	17.7	36.7	42.4	36.7	21.7	10.1	7.4	9.6
126	7.0	8.9	16.4	34.5	39.9	34.6	20.7	10.1	7.4	9.6
127	7.1	8.8	15.2	32.3	37.6	32.6	19.7	10.0	7.5	9.6
128	7.1	8.6	14.4	30.5	35.4	30.8	18.9	10.1	7.5	9.6
129	7.4	8.6	13.7	28.7	32.9	29.2	18.4	10.1	7.7	9.5
130	7.5	8.5	13.2	27.1	31.0	27.8	17.8	10.0	7.7	9.5
131	7.6	8.4	12.5	25.3	29.2	26.6	17.3	10.1	7.9	9.4
132	7.7	8.3	12.2	22.5	27.7	25.2	16.8	10.1	8.1	9.4
133	7.8	8.1	11.6	18.7	26.5	23.4	16.4	10.0	8.2	9.2
134	7.8	8.0	11.0	16.6	25.2	21.9	15.8	10.0	8.2	9.1
135	7.9	7.9	10.5	17.0	23.2	21.0	15.0	10.0	8.3	9.0
136	7.9	7.9	10.0	16.3	21.6	20.2	14.2	9.9	8.4	8.8
137	8.1	7.9	9.7	15.1	20.5	19.5	13.9	9.9	8.5	8.7
138	8.2	7.9	9.5	13.8	19.6	18.7	13.5	9.9	8.6	8.7
139	8.2	7.9	9.3	12.7	18.8	18.1	13.1	9.8	8.7	8.7
140	8.3	8.0	9.0	11.9	17.9	17.5	12.9	9.6	8.7	8.7
141	8.3	8.1	8.9	11.0	17.2	16.7	12.6	9.6	8.6	8.8
142	8.2	8.1	8.8	9.9	16.6	15.6	12.4	9.6	8.7	8.8
143	8.4	8.2	8.9	9.2	15.7	14.8	12.3	9.6	8.8	8.9
144	8.5	8.5	8.8	8.8	14.6	14.1	12.2	9.8	8.9	8.9
145	8.4	8.6	8.7	8.5	13.6	13.7	12.1	9.8	8.9	9.0
146	8.4	8.8	8.7	8.3	12.7	13.2	11.9	9.9	9.1	9.0
147	8.3	8.8	8.7	8.1	11.7	12.8	11.6	10.0	9.1	9.1
148	8.5	8.9	8.6	7.9	10.5	12.5	11.5	10.2	9.3	9.2
149	8.5	8.9	8.6	7.9	10.1	12.3	11.3	10.3	9.4	9.3
150	8.6	9.0	8.5	7.8	9.6	12.2	11.2	10.3	9.5	9.3
151	8.7	9.2	8.4	7.8	9.6	11.9	11.1	10.4	9.6	9.5
152	9.0	9.4	8.2	7.6	9.6	11.3	11.0	10.5	9.9	9.7
153	9.3	9.4	8.3	7.4	9.7	11.0	10.9	10.5	10.3	9.9
154	9.5	9.5	8.3	7.2	9.4	10.5	10.8	10.6	10.4	9.9
155	10.0	9.6	8.2	7.1	9.0	10.1	10.7	10.8	10.8	10.0
156	10.1	9.7	8.0	7.0	8.4	9.8	10.5	10.9	11.1	10.1
157	10.3	9.7	8.0	6.8	7.7	9.3	10.4	11.0	11.3	10.2
158	10.4	9.7	7.9	6.6	6.4	9.1	10.4	11.1	11.4	10.4
159	10.6	9.8	7.9	6.8	5.2	9.0	10.5	11.3	11.6	10.4
160	10.7	10.0	7.9	6.7	4.9	9.0	10.7	11.2	11.7	10.4
161	10.8	10.2	7.9	6.6	4.9	8.9	10.6	11.4	11.8	10.7
162	10.8	10.6	8.0	6.7	4.9	8.8	10.7	11.6	12.0	11.0
163	11.0	10.9	8.2	6.7	4.9	8.9	10.8	11.8	12.2	11.2
164	11.2	11.2	8.4	6.7	5.1	8.8	10.9	12.0	12.4	11.4
165	11.4	11.4	8.9	6.8	5.3	8.9	10.9	12.1	12.6	11.7

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CANDELA TABULATION - (Cont.)

166	11.6	11.7	9.2	6.9	5.6	8.9	10.8	12.2	12.8	11.7
167	11.7	11.7	9.2	7.1	5.8	8.8	10.7	12.3	12.9	11.9
168	11.8	11.9	9.3	7.2	5.8	8.7	10.7	12.4	13.0	12.1
169	11.9	11.9	9.7	7.1	5.9	8.6	10.7	12.3	13.0	12.2
170	11.9	12.0	9.9	7.0	5.6	8.8	10.8	12.4	13.1	12.1
171	12.0	12.0	9.9	6.8	5.5	8.6	10.8	12.5	13.2	12.1
172	12.0	11.9	10.1	6.8	5.5	8.3	10.8	12.7	13.1	12.1
173	12.0	11.6	10.1	6.9	5.3	8.1	10.7	12.7	13.2	12.1
174	12.0	11.6	10.2	7.1	5.4	8.0	10.7	12.7	13.0	12.1
175	11.9	11.6	10.2	7.2	5.3	8.0	10.9	12.6	13.1	12.0
176	12.1	11.7	10.3	7.3	5.4	7.6	10.8	12.6	13.1	12.0
177	12.1	11.8	10.3	7.2	5.5	7.9	10.9	12.6	13.1	12.0
178	12.3	11.9	10.1	7.4	5.5	8.0	10.6	12.6	13.2	12.0
179	12.2	11.8	9.9	7.6	5.2	8.0	10.5	12.5	12.9	12.1
180	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8

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	957.5	957.5	957.5	957.5	957.5	957.5	957.5
1	956.2	964.3	959.7	961.0	959.7	956.5	956.4
2	956.5	965.0	960.0	963.2	962.5	959.1	957.9
3	955.0	963.6	960.4	964.2	964.7	961.1	958.5
4	952.1	960.9	959.0	964.3	966.3	962.0	958.4
5	948.4	957.6	957.1	964.0	965.6	961.4	957.2
6	945.1	953.7	954.6	963.5	964.3	959.9	955.4
7	941.5	950.6	952.6	961.6	962.2	957.3	953.4
8	938.4	947.3	950.0	958.5	958.9	953.9	950.2
9	935.5	944.7	947.0	954.3	954.5	950.0	946.8
10	933.3	942.3	943.5	949.5	949.2	945.1	942.8
11	930.9	939.7	939.8	944.6	943.7	939.8	938.2
12	928.8	937.1	935.7	939.2	937.5	933.4	932.8
13	925.8	934.7	931.7	933.5	931.1	926.3	927.0
14	922.2	931.5	927.7	927.8	924.0	918.6	920.1
15	917.6	927.7	923.3	922.2	916.9	910.5	912.8
16	911.9	923.2	918.5	916.1	909.4	902.2	904.4
17	905.0	917.5	913.4	910.1	901.7	893.5	895.8
18	896.8	910.8	907.6	903.6	893.8	884.5	886.7
19	888.0	902.5	900.9	896.9	885.9	875.8	877.3
20	878.9	893.7	893.1	889.4	877.9	866.7	867.7
21	869.3	884.1	884.9	881.5	869.7	857.5	857.6
22	859.6	874.9	876.6	873.1	861.0	847.9	847.4
23	849.8	866.3	868.4	864.7	852.3	838.1	837.2
24	840.1	858.2	860.8	856.8	843.4	828.2	826.6
25	831.0	850.5	853.6	849.7	834.9	818.5	816.0
26	822.0	843.0	846.9	842.7	826.7	808.6	805.8
27	813.1	835.9	840.7	836.1	818.4	798.9	795.1
28	804.9	829.0	834.7	829.3	809.9	789.3	784.7
29	796.5	822.2	828.5	822.8	801.6	779.5	774.5
30	788.3	815.6	821.6	815.3	792.9	769.4	764.2
31	779.9	808.3	814.7	807.2	783.6	758.7	753.5
32	771.2	800.7	807.4	798.5	773.7	747.7	742.6
33	762.2	792.7	799.7	789.8	763.4	736.3	731.3
34	752.9	784.5	791.5	780.8	752.8	724.4	719.7
35	743.3	776.3	783.4	771.5	742.1	712.3	707.7
36	733.1	767.4	775.3	762.2	731.1	700.2	695.1

IES INDOOR REPORT
PHOTOMETRIC FILENAME : S-LED2-25PS-8CSA_25W_35K.IES

CANDELA TABULATION - (Cont.)

37	722.6	758.1	766.7	752.9	719.8	687.6	682.9
38	711.1	748.2	757.6	743.3	708.4	675.1	669.9
39	699.2	737.4	747.9	733.7	696.7	662.6	656.0
40	687.2	726.5	738.0	723.4	685.3	651.8	642.5
41	674.8	715.2	727.6	712.9	673.7	638.2	629.1
42	662.4	703.9	717.1	702.3	661.8	624.1	615.6
43	650.2	692.7	706.7	691.4	649.9	610.6	602.1
44	638.1	681.5	696.0	680.5	637.9	597.8	588.7
45	626.4	670.8	685.7	669.6	626.0	584.8	575.1
46	614.9	660.0	675.5	658.8	613.9	571.9	561.7
47	603.2	649.4	665.2	648.0	601.9	558.6	548.4
48	591.7	638.8	654.8	636.9	589.4	545.2	534.7
49	580.0	628.0	644.1	625.3	576.7	531.5	520.5
50	568.2	616.8	633.3	613.8	563.8	517.5	506.3
51	555.8	605.4	622.4	602.2	551.8	503.3	491.5
52	543.1	593.9	611.4	590.5	540.7	489.0	476.6
53	530.4	582.3	600.1	578.6	528.5	474.5	461.6
54	517.4	570.4	588.8	566.9	514.4	459.7	446.3
55	504.3	558.2	577.3	554.9	499.8	445.0	431.0
56	491.2	546.2	565.8	543.1	485.8	430.5	416.0
57	478.3	534.1	554.2	531.1	472.4	416.1	400.9
58	465.3	522.1	542.9	519.3	459.6	401.9	386.3
59	452.6	510.2	531.5	507.4	446.9	387.7	371.5
60	440.4	498.4	520.0	495.9	434.3	373.8	356.7
61	427.8	486.6	508.7	484.3	421.6	359.7	342.0
62	414.8	474.5	496.8	472.3	409.1	345.9	327.2
63	401.9	462.0	484.9	460.3	396.1	331.9	312.2
64	389.0	449.5	472.7	448.2	383.4	317.8	297.4
65	376.3	436.9	460.7	435.9	370.9	303.7	282.4
66	363.5	424.6	448.4	423.6	357.9	289.9	267.3
67	350.9	412.5	436.4	411.6	345.3	276.1	252.6
68	338.8	400.8	424.8	400.0	333.3	262.7	237.9
69	327.1	389.7	413.7	388.7	321.8	250.0	223.5
70	315.7	379.0	403.2	378.1	310.9	237.6	209.5
71	304.8	368.9	392.8	367.6	300.8	225.5	195.9
72	294.5	359.0	382.9	357.7	290.8	213.7	183.9
73	284.1	349.3	373.4	347.7	280.4	202.3	170.7
74	274.0	339.7	363.9	337.9	270.2	192.1	157.7
75	264.3	330.2	354.5	328.1	260.1	181.6	144.6
76	254.6	320.9	345.2	318.5	250.2	170.8	132.0
77	245.1	311.6	336.1	309.1	240.6	160.4	119.9
78	235.8	302.6	327.0	299.8	231.4	150.0	107.9
79	226.6	293.6	317.9	290.8	222.4	140.0	96.1
80	217.9	284.9	309.2	282.1	213.5	130.7	84.5
81	209.2	276.2	300.3	273.1	204.8	121.8	73.6
82	200.9	267.2	291.7	264.4	196.5	113.1	63.0
83	192.5	258.7	282.9	255.8	189.7	104.7	53.0
84	185.6	249.9	273.9	247.0	181.4	96.7	43.2
85	177.3	241.5	265.0	238.4	173.3	89.3	34.2
86	169.6	233.1	256.2	229.8	165.4	82.4	26.2
87	162.2	224.8	247.6	221.5	157.9	75.8	19.4
88	155.0	216.6	239.3	213.7	150.7	70.0	14.1
89	148.2	209.0	230.8	205.8	143.9	64.4	9.8
90	141.2	201.3	222.6	198.3	137.3	59.3	6.0
91	134.7	194.0	214.7	191.5	130.9	54.6	5.7
92	128.6	188.1	207.3	185.3	124.7	50.4	5.6

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

93	122.7	181.4	200.0	178.3	119.0	46.5	5.7
94	117.2	174.7	192.9	171.7	113.4	43.0	5.9
95	111.8	168.2	187.5	165.3	108.1	40.0	6.1
96	106.5	161.9	181.2	159.4	103.1	37.2	6.1
97	101.6	155.9	175.1	153.4	98.3	34.7	5.9
98	97.0	149.9	168.9	147.5	93.8	32.2	6.1
99	92.5	144.1	162.8	141.7	89.4	29.6	6.1
100	88.1	138.6	156.8	136.1	85.1	26.9	6.1
101	83.7	133.0	150.7	130.6	80.7	24.1	6.2
102	79.3	127.6	144.9	125.4	76.2	21.7	6.2
103	74.7	122.2	139.2	120.2	71.5	19.6	6.2
104	69.5	117.0	133.6	115.1	66.3	17.9	6.2
105	64.1	111.7	128.0	109.8	60.7	16.5	6.1
106	58.7	106.0	122.1	104.3	55.5	15.4	6.3
107	53.9	100.2	116.4	98.4	51.1	14.5	6.2
108	49.6	94.0	110.3	92.1	47.1	13.8	6.0
109	46.0	87.1	103.9	85.4	43.7	13.2	6.1
110	42.5	80.5	97.0	78.9	40.6	12.7	6.1
111	39.3	74.5	89.9	73.2	37.7	12.2	6.2
112	36.4	69.3	83.6	68.0	35.2	11.9	6.1
113	33.9	64.7	77.8	63.4	33.1	11.5	6.1
114	31.5	60.3	72.4	59.1	30.9	11.2	6.2
115	29.4	56.2	67.5	55.2	29.1	10.9	6.3
116	28.0	52.4	62.9	51.5	27.9	10.7	6.2
117	26.5	49.1	58.6	48.1	26.5	10.5	6.5
118	25.3	46.0	54.6	45.0	25.2	10.4	6.7
119	24.1	43.1	51.0	42.1	24.0	10.3	6.8
120	22.9	40.3	47.6	39.3	22.9	10.2	6.9
121	21.5	37.5	44.5	36.8	21.8	10.0	6.9
122	20.0	35.5	41.6	35.1	20.9	9.9	7.1
123	18.5	33.9	38.6	33.6	19.9	9.8	7.1
124	17.3	32.1	36.5	31.9	19.1	9.9	7.2
125	16.0	30.5	34.7	30.2	18.1	9.8	7.2
126	14.9	28.8	32.8	28.7	17.4	9.8	7.2
127	14.3	27.3	31.0	27.1	16.7	9.8	7.2
128	13.8	26.0	28.9	25.8	16.0	9.7	7.3
129	13.2	24.7	27.4	24.6	15.4	9.7	7.2
130	12.8	23.5	25.9	23.4	15.1	9.6	7.2
131	12.3	22.2	24.5	22.2	14.5	9.4	7.3
132	11.7	20.5	23.4	20.7	14.0	9.4	7.4
133	11.3	18.8	22.3	19.5	13.3	9.3	7.5
134	10.9	17.3	20.8	18.8	12.9	9.2	7.6
135	10.5	15.6	19.5	18.1	12.6	9.3	7.8
136	10.4	14.6	18.8	17.4	12.4	9.3	7.8
137	10.3	13.5	18.1	16.8	12.3	9.3	7.9
138	10.1	12.3	17.4	16.2	12.2	9.4	8.1
139	10.0	11.7	16.7	15.4	12.0	9.4	8.2
140	10.0	10.6	16.1	14.4	12.0	9.5	8.3
141	9.9	9.6	15.2	13.5	12.0	9.6	8.3
142	9.8	8.7	14.0	12.8	12.1	9.7	8.3
143	9.9	8.3	12.9	12.5	12.0	9.8	8.4
144	9.8	8.2	12.0	12.3	11.9	9.8	8.4
145	9.8	8.0	11.4	12.0	11.7	9.8	8.5
146	9.5	7.9	11.2	11.8	11.5	9.8	8.6
147	9.4	7.8	10.8	11.6	11.3	9.7	8.7
148	9.3	7.8	10.6	11.5	11.1	9.6	8.8

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	9.2	7.8	10.4	11.5	10.8	9.7	8.9
150	9.1	7.8	10.2	11.6	10.4	9.7	9.0
151	9.1	7.6	10.0	11.3	10.2	9.8	9.2
152	9.1	7.5	9.2	11.0	10.0	9.9	9.3
153	9.0	7.5	8.5	10.7	10.1	10.1	9.4
154	9.0	7.3	8.0	10.2	10.0	10.1	9.7
155	9.0	7.2	8.2	9.9	10.0	10.2	9.9
156	9.1	7.3	8.3	9.4	10.1	10.2	10.2
157	9.1	7.4	8.0	9.2	10.1	10.3	10.4
158	9.0	7.3	7.2	9.0	10.4	10.4	10.6
159	9.0	7.3	6.0	9.0	10.4	10.5	10.8
160	9.0	7.2	5.7	8.8	10.3	10.5	10.9
161	9.0	7.2	5.7	8.8	10.5	10.5	11.1
162	9.0	7.2	5.7	8.8	10.5	10.5	11.3
163	9.1	7.1	5.7	8.6	10.6	10.6	11.5
164	9.3	6.9	5.8	8.8	10.7	10.8	11.7
165	9.4	7.0	5.9	8.9	10.6	10.9	11.9
166	9.5	7.1	5.9	9.2	10.6	11.1	12.1
167	9.6	7.4	5.9	9.3	10.4	11.4	12.2
168	9.7	7.7	5.8	9.3	10.4	11.5	12.3
169	9.9	7.5	5.8	9.1	10.2	11.6	12.2
170	10.1	7.3	6.0	8.9	10.1	11.5	12.3
171	10.4	6.9	6.0	8.6	10.2	11.5	12.2
172	10.5	6.8	5.8	8.3	10.5	11.5	12.4
173	10.6	6.9	5.8	8.3	10.5	11.5	12.3
174	10.7	6.9	5.8	8.3	10.5	11.5	12.3
175	10.7	7.1	5.9	8.3	10.2	11.6	12.3
176	10.9	7.1	5.9	8.0	10.3	11.6	12.3
177	10.9	7.2	5.8	7.9	10.4	11.6	12.3
178	10.7	7.3	5.7	7.5	10.4	11.6	12.3
179	10.4	7.5	5.9	7.4	10.4	11.5	12.2
180	9.8	9.8	9.8	9.8	9.8	9.8	9.8

IES INDOOR REPORT
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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	351.28	N.A.	10.60
0-30	740.11	N.A.	22.30
0-40	1211.9	N.A.	36.60
0-60	2169.18	N.A.	65.50
0-80	2838.79	N.A.	85.70
0-90	3032.31	N.A.	91.50
10-90	2941.14	N.A.	88.80
20-40	860.62	N.A.	26.00
20-50	1355.56	N.A.	40.90
40-70	1340.63	N.A.	40.50
60-80	669.61	N.A.	20.20
70-80	286.26	N.A.	8.60
80-90	193.52	N.A.	5.80
90-110	198.74	N.A.	6.00
90-120	236.22	N.A.	7.10
90-130	255.51	N.A.	7.70
90-150	272.77	N.A.	8.20
90-180	280.75	N.A.	8.50
110-180	82.01	N.A.	2.50
0-180	3313.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	91.18
10-20	260.11
20-30	388.83
30-40	471.79
40-50	494.94
50-60	462.34
60-70	383.35
70-80	286.26
80-90	193.52
90-100	123.77
100-110	74.98
110-120	37.48
120-130	19.29
130-140	10.73
140-150	6.54
150-160	4.36
160-170	2.68
170-180	0.94

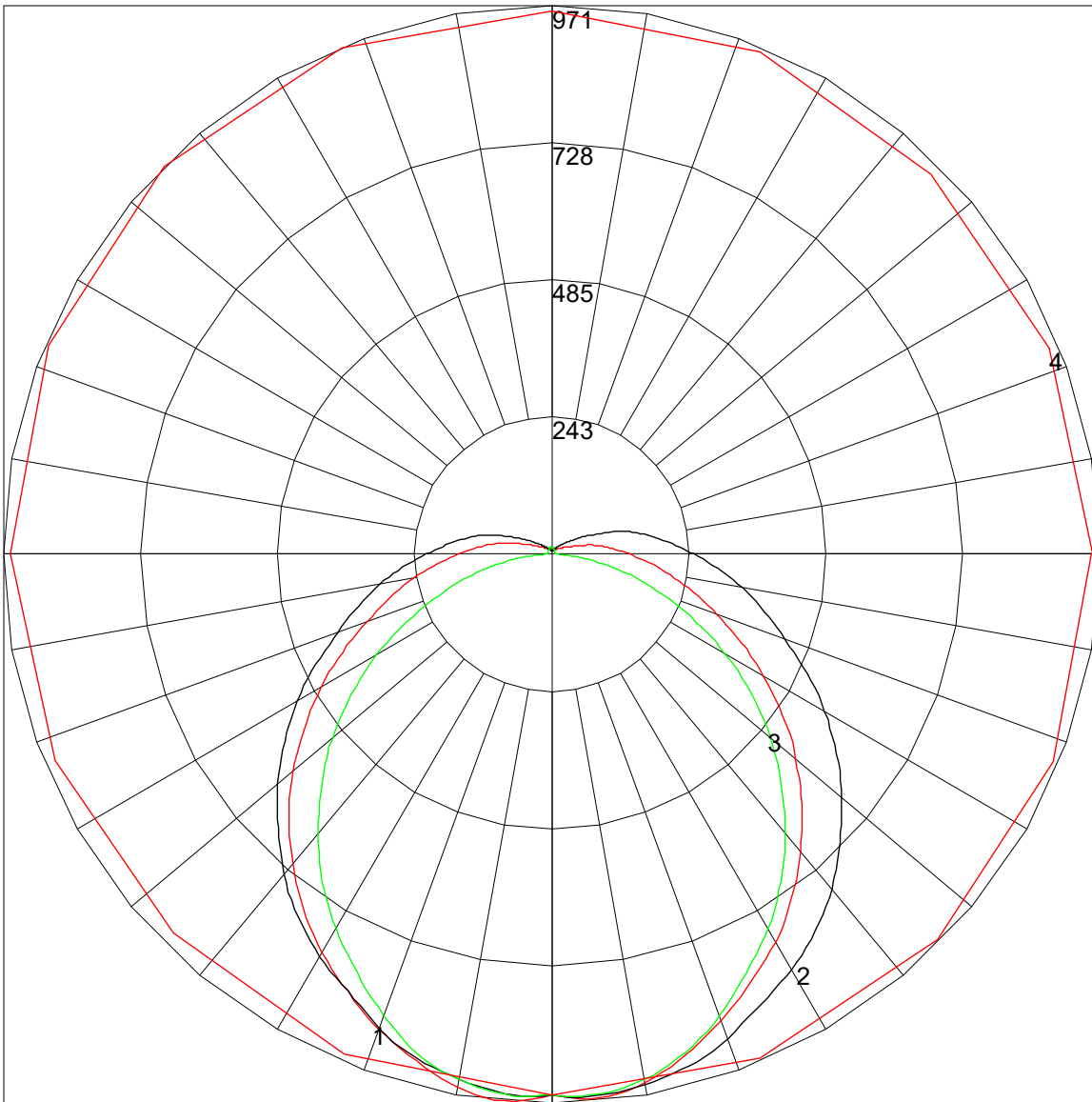
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	92
1	105	99	94	90	101	96	92	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	59	54	61	56	52	49
4	79	66	57	50	75	64	55	49	60	53	47	57	51	46	54	48	44	42
5	72	59	49	42	69	57	48	42	54	46	41	51	44	39	48	43	38	36
6	66	53	44	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	32	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 = 970.8 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.)