



IES INDOOR REPORT
PHOTOMETRIC FILENAME : EPL-LED7W-STCH.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 132023
[TESTLAB] RADIANT IMAGING PROSOURCE
[TESTDATE] 2013-02-23
[ISSUE DATE] 2019-04-08
[MANUFAC] LARSON ELECTRONICS LLC
[LUMCAT] EPL-LED7W-STCHN
[LUMINAIRE] 10 WATT EXPLOSION PROOF LED LIGHT, 25 DEGREE STANCHION MOUNT
[OTHER] EVERFINE GO-R5000_V2 SYSTEM
[LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	1050 (1 lamp)
Total Lamp Lumens	1050
Luminaire Lumens	1050
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.00 m
Luminous Height	0.00 m



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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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	241.219	241.219	241.219	241.219	241.219	241.219	241.219	241.219	241.219	241.219
1	241.185	241.150	241.115	241.185	241.080	241.045	241.080	241.254	241.185	241.150
2	241.045	241.080	240.976	241.150	240.941	241.045	241.045	241.080	241.115	241.115
3	240.801	240.784	240.836	240.941	240.784	240.836	240.819	240.906	240.976	241.080
4	240.435	240.505	240.540	240.819	240.540	240.645	240.540	240.679	240.749	240.767
5	240.104	240.209	240.157	240.279	240.174	240.174	240.244	240.366	240.505	240.470
6	239.756	239.913	239.686	240.070	239.704	239.756	239.965	240.070	240.157	240.174
7	239.146	239.408	239.164	239.547	239.408	239.216	239.495	239.634	239.704	239.652
8	238.711	238.693	238.589	238.763	238.606	238.711	239.442	239.059	239.408	239.181
9	237.996	237.979	238.014	237.979	237.805	238.014	238.432	238.502	238.589	238.676
10	237.334	237.265	237.404	237.213	237.021	237.439	237.422	237.770	237.770	238.031
11	236.655	236.429	236.568	236.463	236.254	236.672	236.359	237.038	236.934	237.387
12	235.767	235.540	235.714	235.523	235.366	235.732	235.697	236.324	236.254	236.550
13	234.721	234.652	234.808	234.756	234.495	234.930	234.756	235.366	235.348	235.767
14	233.780	233.728	233.815	233.815	233.467	233.937	233.833	234.338	234.530	234.808
15	232.805	232.613	232.735	232.613	232.439	232.822	232.805	233.293	233.467	233.763
16	231.411	231.533	231.498	231.550	231.219	231.707	231.725	232.125	232.387	232.805
17	230.331	230.366	230.348	230.331	230.104	230.470	230.523	231.010	231.150	231.550
18	229.129	229.077	229.077	229.164	228.780	229.216	229.181	229.791	229.930	230.453
19	227.735	227.718	227.787	227.770	227.491	227.770	227.909	228.519	228.763	229.181
20	226.463	226.376	226.411	226.359	225.854	226.481	226.394	226.969	227.387	227.683
21	224.948	224.895	224.756	224.895	224.582	224.895	225.070	225.662	225.941	226.341
22	223.519	223.327	223.293	223.380	222.875	223.467	223.519	224.199	224.477	224.826
23	221.794	221.794	221.620	221.690	221.394	221.760	221.951	222.665	222.875	223.293
24	220.104	220.017	220.017	220.017	219.582	220.139	220.174	220.888	221.185	221.707
25	218.415	218.293	218.171	218.275	217.875	218.258	218.502	219.268	219.390	220.000
26	216.533	216.516	216.254	216.463	216.045	216.516	216.742	217.422	217.718	218.153
27	214.686	214.477	214.512	214.547	214.199	214.617	214.808	215.470	215.819	216.254
28	212.735	212.648	212.422	212.613	212.160	212.613	212.840	213.571	213.937	214.425
29	210.697	210.610	210.592	210.592	210.157	210.540	210.906	211.568	211.986	212.334
30	208.606	208.606	208.397	208.554	208.118	208.415	208.711	209.495	209.983	210.348
31	206.307	206.463	206.394	206.463	206.045	206.185	206.707	207.352	207.787	208.380
32	204.251	204.286	204.181	204.251	203.693	204.129	204.408	205.157	205.557	206.115
33	201.951	202.003	201.881	201.934	201.498	201.829	202.178	202.892	203.449	203.868
34	199.686	199.808	199.512	199.582	199.129	199.442	199.948	200.610	201.098	201.533
35	197.195	197.282	197.021	197.265	196.777	197.108	197.474	198.206	198.780	199.233
36	194.791	194.965	194.652	194.773	194.355	194.564	195.104	195.801	196.307	196.725
37	192.282	192.369	192.143	192.352	191.812	192.091	192.665	193.362	193.868	194.286
38	189.843	189.826	189.634	189.686	189.286	189.652	190.104	190.784	191.411	191.742
39	187.317	187.265	187.056	187.247	186.760	187.091	187.404	188.206	188.763	189.216
40	184.686	184.704	184.512	184.547	184.007	184.390	184.843	185.592	186.063	186.603
41	181.951	181.916	181.777	181.986	181.429	181.760	182.143	182.944	183.502	183.850
42	179.303	179.251	179.042	179.199	178.693	179.007	179.530	180.139	180.801	181.080
43	176.533	176.516	176.272	176.411	175.923	176.219	176.794	177.387	178.031	178.467
44	173.711	173.815	173.519	173.659	173.188	173.380	174.007	174.617	175.261	175.645
45	171.010	170.923	170.610	170.871	170.279	170.627	171.185	171.864	172.456	172.735
46	168.153	168.136	167.770	167.979	167.456	167.787	168.310	169.024	169.634	169.965
47	165.314	165.279	164.895	165.192	164.669	164.808	165.453	166.080	166.777	167.073
48	162.387	162.404	162.021	162.230	161.742	161.951	162.578	163.171	163.780	164.216
49	159.547	159.460	159.199	159.355	158.815	159.094	159.617	160.226	160.871	161.254
50	156.655	156.620	156.254	156.394	155.993	156.167	156.725	157.334	157.822	158.240
51	153.728	153.589	153.293	153.449	153.049	153.310	153.815	154.390	155.017	155.366
52	150.732	150.784	150.401	150.523	150.070	150.296	150.888	151.376	152.003	152.474
53	147.805	147.822	147.369	147.613	147.178	147.352	147.892	148.415	149.007	149.373

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54	144.948	144.843	144.547	144.617	144.233	144.425	144.948	145.470	146.098	146.359
55	141.899	141.899	141.463	141.603	141.272	141.585	141.934	142.509	143.136	143.554
56	139.059	138.955	138.589	138.693	138.293	138.502	138.955	139.599	140.139	140.453
57	136.010	135.976	135.592	135.732	135.348	135.575	136.080	136.568	137.247	137.578
58	133.118	132.962	132.561	132.787	132.422	132.578	133.101	133.554	134.129	134.512
59	130.087	130.070	129.617	129.826	129.512	129.652	130.139	130.610	131.185	131.585
60	127.265	127.056	126.725	126.882	126.481	126.672	127.160	127.596	128.223	128.554
61	124.251	124.111	123.728	123.990	123.606	123.693	124.251	124.739	125.244	125.592
62	121.324	121.167	120.836	120.941	120.679	120.767	121.289	121.742	122.334	122.526
63	118.432	118.240	117.875	118.084	117.805	117.857	118.415	118.815	119.408	119.721
64	115.488	115.348	114.983	115.139	114.895	115.017	115.505	115.836	116.481	116.638
65	112.665	112.526	112.091	112.369	112.073	112.178	112.631	112.996	113.554	113.850
66	109.808	109.634	109.286	109.512	109.216	109.321	109.826	110.139	110.732	110.906
67	107.108	106.812	105.854	106.742	106.429	106.603	106.986	107.352	107.909	108.153
68	104.286	104.042	103.310	103.972	103.676	103.815	104.216	104.547	105.122	105.314
69	101.429	101.289	100.767	101.219	100.976	101.010	101.446	101.760	102.404	102.456
70	98.589	98.589	98.049	98.519	98.275	98.223	98.780	98.955	99.634	99.617
71	95.906	95.871	95.418	95.854	95.627	95.557	96.098	96.272	96.969	96.986
72	93.293	93.310	92.787	93.275	93.014	92.944	93.484	93.676	94.321	94.286
73	90.697	90.714	90.226	90.679	90.488	90.436	90.941	91.115	91.777	91.760
74	88.188	88.188	87.735	88.136	87.944	87.909	88.397	88.589	89.233	89.181
75	85.732	85.732	85.279	85.714	85.523	85.505	85.993	86.132	86.690	86.777
76	83.293	83.275	82.875	83.293	83.101	83.066	83.589	83.711	84.321	84.303
77	80.941	80.958	80.557	80.958	80.801	80.784	81.237	81.394	81.986	82.003
78	78.606	78.589	78.206	78.641	78.519	78.502	78.955	79.094	79.652	79.634
79	76.394	76.376	76.028	76.411	76.237	76.219	76.742	76.847	77.387	77.369
80	74.164	74.164	73.763	74.251	74.059	74.111	74.599	74.704	75.279	75.226
81	72.073	72.021	71.725	72.091	72.021	71.951	72.422	72.578	73.136	73.049
82	69.965	70.000	69.652	70.070	69.913	69.948	70.366	70.523	71.063	71.010
83	68.031	67.944	67.648	68.014	67.944	67.892	68.362	68.519	69.024	69.007
84	66.010	66.010	65.679	66.063	66.010	65.958	66.394	66.638	67.091	67.091
85	64.146	64.094	63.763	64.146	64.129	64.111	64.547	64.721	65.192	65.139
86	62.247	62.265	61.986	62.387	62.247	62.282	62.700	62.892	63.328	63.293
87	60.523	60.453	60.157	60.540	60.505	60.505	60.923	61.132	61.568	61.533
88	58.780	58.763	58.502	58.850	58.746	58.798	59.199	59.373	59.826	59.791
89	57.143	57.073	56.794	57.143	57.091	57.108	57.526	57.735	58.153	58.118
90	55.488	55.470	55.209	55.557	55.488	55.540	55.923	56.115	56.516	56.516
91	53.955	53.885	53.624	53.972	53.920	53.972	54.338	54.564	54.965	54.930
92	52.439	52.387	52.143	52.526	52.404	52.474	52.875	53.101	53.449	53.449
93	51.010	50.923	50.697	51.010	50.976	51.028	51.394	51.620	52.003	51.969
94	49.599	49.547	49.338	49.669	49.582	49.652	50.017	50.244	50.575	50.592
95	48.275	48.206	47.979	48.275	48.258	48.293	48.676	48.850	49.251	49.216
96	46.986	46.899	46.707	47.003	46.934	47.003	47.404	47.613	47.979	47.944
97	45.749	45.679	45.436	45.749	45.679	45.784	46.132	46.324	46.707	46.655
98	44.564	44.477	44.268	44.547	44.495	44.582	44.930	45.139	45.523	45.470
99	43.415	43.310	43.136	43.397	43.362	43.467	43.798	43.990	44.338	44.321
100	42.317	42.230	42.056	42.282	42.247	42.352	42.683	42.892	43.240	43.223
101	41.272	41.185	40.993	41.254	41.202	41.307	41.638	41.847	42.178	42.178
102	40.261	40.174	40.017	40.209	40.192	40.296	40.627	40.819	41.150	41.150
103	39.338	39.216	39.042	39.251	39.233	39.373	39.652	39.878	40.192	40.192
104	38.415	38.328	38.171	38.328	38.345	38.432	38.746	38.920	39.268	39.268
105	37.544	37.422	37.282	37.474	37.439	37.526	37.857	38.031	38.362	38.380
106	36.725	36.620	36.446	36.638	36.603	36.725	37.021	37.195	37.526	37.561
107	35.923	35.801	35.662	35.819	35.801	35.923	36.185	36.394	36.707	36.707
108	35.192	35.087	34.913	35.070	35.052	35.157	35.436	35.610	35.941	35.958
109	34.460	34.338	34.199	34.355	34.321	34.425	34.704	34.913	35.226	35.226

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CANDELA TABULATION - (Cont.)

110	33.798	33.676	33.519	33.659	33.659	33.746	34.024	34.199	34.530	34.530
111	33.136	33.014	32.892	33.014	32.979	33.118	33.362	33.571	33.850	33.868
112	32.526	32.422	32.300	32.387	32.369	32.474	32.735	32.944	33.223	33.258
113	31.969	31.864	31.725	31.812	31.777	31.899	32.178	32.369	32.631	32.683
114	31.411	31.307	31.167	31.254	31.254	31.359	31.603	31.794	32.056	32.125
115	30.906	30.801	30.662	30.749	30.714	30.836	31.098	31.289	31.533	31.603
116	30.436	30.314	30.174	30.244	30.244	30.366	30.575	30.767	31.045	31.115
117	29.983	29.861	29.739	29.791	29.774	29.895	30.122	30.314	30.557	30.627
118	29.530	29.460	29.303	29.373	29.355	29.460	29.686	29.878	30.122	30.209
119	29.164	29.059	28.920	28.972	28.937	29.059	29.268	29.460	29.704	29.774
120	28.780	28.676	28.537	28.589	28.571	28.693	28.902	29.077	29.303	29.408
121	28.449	28.328	28.206	28.240	28.206	28.328	28.537	28.728	28.955	29.024
122	28.118	28.014	27.875	27.909	27.875	27.997	28.206	28.380	28.606	28.693
123	27.840	27.718	27.578	27.596	27.578	27.700	27.892	28.066	28.258	28.362
124	27.561	27.439	27.317	27.317	27.300	27.422	27.596	27.787	27.997	28.084
125	27.300	27.160	27.056	27.056	27.038	27.160	27.334	27.509	27.700	27.805
126	27.073	26.951	26.812	26.812	26.794	26.916	27.091	27.247	27.439	27.561
127	26.847	26.725	26.603	26.603	26.568	26.690	26.847	27.021	27.195	27.317
128	26.655	26.533	26.411	26.411	26.376	26.498	26.655	26.812	27.003	27.125
129	26.463	26.359	26.220	26.220	26.185	26.307	26.463	26.620	26.777	26.899
130	26.307	26.185	26.063	26.063	26.028	26.150	26.289	26.446	26.603	26.742
131	26.150	26.045	25.923	25.888	25.871	25.993	26.115	26.272	26.446	26.568
132	26.010	25.906	25.784	25.767	25.732	25.836	25.976	26.132	26.289	26.411
133	25.871	25.767	25.662	25.627	25.610	25.714	25.854	25.993	26.150	26.272
134	25.767	25.662	25.540	25.505	25.488	25.592	25.732	25.871	26.028	26.132
135	25.645	25.557	25.436	25.401	25.383	25.470	25.610	25.732	25.888	26.010
136	25.540	25.436	25.331	25.314	25.296	25.401	25.505	25.662	25.784	25.871
137	25.436	25.366	25.226	25.209	25.192	25.296	25.418	25.540	25.679	25.801
138	25.348	25.261	25.157	25.139	25.122	25.226	25.331	25.453	25.592	25.697
139	25.261	25.174	25.070	25.052	25.035	25.139	25.244	25.366	25.505	25.627
140	25.174	25.105	25.000	24.948	24.965	25.070	25.174	25.279	25.418	25.540
141	25.105	25.017	24.913	24.895	24.895	25.000	25.087	25.209	25.348	25.453
142	25.017	24.948	24.861	24.826	24.826	24.930	25.017	25.139	25.261	25.366
143	24.930	24.861	24.774	24.774	24.756	24.861	24.965	25.070	25.174	25.296
144	24.878	24.774	24.704	24.704	24.686	24.808	24.895	24.983	25.122	25.209
145	24.791	24.739	24.634	24.634	24.634	24.704	24.826	24.930	25.052	25.139
146	24.704	24.652	24.582	24.547	24.582	24.669	24.756	24.861	24.983	25.070
147	24.652	24.564	24.512	24.495	24.495	24.617	24.686	24.791	24.913	24.983
148	24.564	24.530	24.460	24.425	24.443	24.547	24.634	24.739	24.808	24.913
149	24.495	24.443	24.390	24.390	24.373	24.495	24.582	24.652	24.774	24.861
150	24.425	24.373	24.321	24.321	24.321	24.425	24.512	24.599	24.704	24.756
151	24.303	24.251	24.216	24.233	24.233	24.338	24.425	24.512	24.582	24.669
152	24.146	24.111	24.077	24.111	24.129	24.216	24.286	24.390	24.460	24.530
153	23.955	23.920	23.902	23.955	23.955	24.059	24.146	24.216	24.286	24.355
154	23.728	23.711	23.641	23.746	23.780	23.868	23.972	24.024	24.094	24.164
155	23.328	23.484	23.188	23.519	23.554	23.641	23.746	23.798	23.868	23.920
156	22.683	23.223	22.683	23.275	23.310	23.415	23.519	23.554	23.624	23.676
157	22.021	22.944	22.247	22.997	23.049	23.153	23.240	23.293	23.345	23.415
158	21.551	22.648	21.847	22.613	22.770	22.875	22.979	22.997	23.049	23.118
159	21.115	22.334	21.411	21.986	22.474	22.578	22.666	22.700	22.770	22.805
160	20.557	21.777	20.941	21.376	22.195	22.282	22.369	22.369	22.456	22.491
161	19.808	21.220	20.453	20.749	21.864	21.951	22.091	22.056	22.160	22.160
162	18.902	20.453	19.965	20.174	21.533	21.620	21.742	21.725	21.812	21.829
163	17.944	19.425	19.425	19.669	21.185	21.289	21.376	21.359	21.463	21.481
164	16.934	16.951	18.763	19.199	20.836	20.923	21.010	21.010	21.098	21.098
165	15.923	13.432	17.979	18.624	20.296	20.436	20.523	20.540	20.645	20.645

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CANDELA TABULATION - (Cont.)

166	15.052	10.035	17.056	17.892	19.582	19.808	19.861	19.895	20.035	19.983
167	14.129	7.805	15.976	16.969	18.693	18.955	19.007	19.042	19.181	19.164
168	13.153	8.676	14.808	15.906	17.631	17.927	17.979	18.049	18.171	18.153
169	12.125	9.895	13.624	14.704	16.481	16.742	16.847	16.899	17.038	17.003
170	11.010	10.209	12.317	13.380	15.192	15.383	15.575	15.662	15.732	15.714
171	9.913	9.774	10.679	11.899	13.693	13.798	14.146	14.233	14.233	14.199
172	8.571	8.676	9.042	10.105	11.899	11.916	12.439	12.509	12.439	12.387
173	6.185	6.777	6.707	7.927	9.390	9.199	10.279	9.808	10.244	9.425
174	2.787	4.199	4.077	5.105	6.167	6.463	7.160	7.125	7.003	6.446
175	1.376	1.760	1.707	2.474	3.049	3.293	3.868	3.798	3.676	3.188
176	0.017	0.087	0.070	0.418	0.401	0.819	1.098	1.010	1.063	0.540
177	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017	0.017

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	241.219	241.219	241.219	241.219	241.219	241.219	241.219
1	241.185	241.324	241.115	241.185	241.045	241.254	241.185
2	241.219	241.080	241.010	241.185	240.976	241.150	241.045
3	241.010	241.045	240.906	240.976	240.662	240.888	240.801
4	240.888	240.836	240.679	240.784	240.610	240.679	240.435
5	240.610	240.505	240.366	240.540	240.087	240.348	240.104
6	240.139	240.157	239.965	240.226	239.756	240.104	239.756
7	239.843	239.721	239.617	239.704	239.181	239.599	239.146
8	239.460	239.216	239.077	239.321	238.850	239.233	238.711
9	238.676	238.676	238.571	238.537	238.223	238.310	237.996
10	237.892	238.031	237.892	237.735	237.491	237.387	237.334
11	237.091	237.369	237.230	236.934	236.777	236.603	236.655
12	236.324	236.585	236.411	236.202	236.028	235.784	235.767
13	235.435	235.732	235.523	235.244	235.000	234.895	234.721
14	234.599	234.634	234.564	234.355	234.024	233.937	233.780
15	233.432	233.833	233.606	233.293	232.979	232.909	232.805
16	232.631	232.631	232.422	232.195	231.742	231.864	231.411
17	231.341	231.568	231.341	231.045	230.592	230.557	230.331
18	230.244	230.314	230.017	229.686	229.442	229.373	229.129
19	228.937	229.059	228.763	228.397	228.049	227.857	227.735
20	227.648	227.770	227.317	227.091	226.533	226.655	226.463
21	226.237	226.202	225.923	225.627	225.070	225.104	224.948
22	224.739	224.826	224.442	223.972	223.676	223.484	223.519
23	223.136	223.101	222.822	222.387	222.038	221.812	221.794
24	221.516	221.550	221.150	220.767	220.261	220.209	220.104
25	219.826	219.826	219.460	219.042	218.519	218.432	218.415
26	218.014	217.979	217.578	217.178	216.725	216.603	216.533
27	216.115	216.185	215.732	215.279	214.808	214.756	214.686
28	214.355	214.111	213.763	213.293	212.979	212.857	212.735
29	212.334	212.091	211.812	211.394	210.923	210.836	210.697
30	210.401	210.052	209.652	209.233	208.763	208.815	208.606
31	208.153	207.927	207.526	207.091	206.568	206.533	206.307
32	206.063	205.767	205.331	204.773	204.495	204.355	204.251
33	203.711	203.432	202.962	202.665	202.108	202.213	201.951
34	201.498	201.063	200.732	200.279	199.739	199.826	199.686
35	199.146	198.798	198.362	197.875	197.369	197.404	197.195
36	196.794	196.394	195.958	195.401	194.930	195.122	194.791

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CANDELA TABULATION - (Cont.)

37	194.268	193.885	193.449	193.101	192.456	192.578	192.282
38	191.760	191.394	190.941	190.436	189.930	190.087	189.843
39	189.216	188.833	188.345	187.909	187.352	187.456	187.317
40	186.498	186.185	185.784	185.279	184.704	184.948	184.686
41	183.990	183.519	183.066	182.648	182.125	182.265	181.951
42	181.202	180.906	180.366	179.878	179.373	179.599	179.303
43	178.502	178.014	177.544	177.125	176.655	176.742	176.533
44	175.679	175.261	174.669	174.373	173.850	173.972	173.711
45	173.031	172.387	171.969	171.585	171.080	171.272	171.010
46	170.070	169.495	169.129	168.693	168.206	168.415	168.153
47	167.247	166.760	166.219	165.801	165.314	165.575	165.314
48	164.321	163.798	163.327	162.944	162.474	162.665	162.387
49	161.394	160.836	160.488	160.105	159.617	159.843	159.547
50	158.554	157.927	157.491	157.230	156.672	157.021	156.655
51	155.540	155.052	154.669	154.268	153.850	154.024	153.728
52	152.509	152.073	151.725	151.324	150.888	151.150	150.732
53	149.669	149.111	148.780	148.380	148.031	148.223	147.805
54	146.655	146.272	145.854	145.505	145.105	145.279	144.948
55	143.624	143.258	142.892	142.526	142.247	142.387	141.899
56	140.714	140.279	139.948	139.669	139.268	139.408	139.059
57	137.718	137.300	136.899	136.655	136.324	136.481	136.010
58	134.773	134.268	134.024	133.728	133.345	133.449	133.118
59	131.777	131.307	131.028	130.819	130.470	130.557	130.087
60	128.833	128.415	128.014	127.875	127.544	127.648	127.265
61	125.888	125.470	125.157	124.965	124.582	124.721	124.251
62	122.857	122.544	122.265	122.056	121.620	121.847	121.324
63	119.913	119.512	119.321	119.164	118.850	118.902	118.432
64	117.038	116.742	116.429	116.324	115.923	115.993	115.488
65	114.111	113.798	113.589	113.432	113.066	113.171	112.665
66	111.307	111.010	110.801	110.627	110.209	110.314	109.808
67	108.380	108.118	107.979	107.840	107.474	107.439	107.108
68	105.627	105.348	105.209	105.122	104.686	104.756	104.286
69	102.875	102.578	102.439	102.334	101.916	101.986	101.429
70	100.139	99.808	99.669	99.704	99.129	99.286	98.589
71	97.526	97.143	97.021	97.038	96.446	96.585	95.906
72	94.843	94.512	94.460	94.495	93.885	93.937	93.293
73	92.282	91.951	91.899	91.899	91.324	91.376	90.697
74	89.756	89.477	89.355	89.355	88.815	88.885	88.188
75	87.282	87.021	86.934	86.882	86.324	86.429	85.732
76	84.791	84.564	84.512	84.477	83.920	84.024	83.293
77	82.474	82.247	82.178	82.125	81.585	81.638	80.941
78	80.157	79.895	79.878	79.826	79.251	79.321	78.606
79	77.840	77.648	77.665	77.578	77.038	77.091	76.394
80	75.679	75.470	75.436	75.348	74.843	74.878	74.164
81	73.571	73.310	73.310	73.258	72.735	72.753	72.073
82	71.446	71.254	71.272	71.150	70.645	70.679	69.965
83	69.460	69.164	69.233	69.164	68.641	68.641	68.031
84	67.422	67.247	67.247	67.195	66.638	66.655	66.010
85	65.557	65.331	65.348	65.296	64.808	64.756	64.146
86	63.693	63.467	63.519	63.415	62.927	62.944	62.247
87	61.899	61.707	61.725	61.638	61.167	61.115	60.523
88	60.122	59.913	60.000	59.895	59.373	59.373	58.780
89	58.432	58.310	58.328	58.223	57.770	57.683	57.143
90	56.847	56.690	56.707	56.585	56.115	56.115	55.488
91	55.226	55.087	55.105	54.983	54.547	54.512	53.955
92	53.728	53.606	53.606	53.519	53.031	52.997	52.439

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CANDELA TABULATION - (Cont.)

93	52.282	52.125	52.160	52.003	51.585	51.516	51.010
94	50.854	50.732	50.714	50.627	50.174	50.122	49.599
95	49.477	49.355	49.355	49.216	48.833	48.763	48.275
96	48.188	48.066	48.049	47.927	47.526	47.422	46.986
97	46.951	46.812	46.777	46.690	46.254	46.185	45.749
98	45.732	45.610	45.592	45.488	45.070	44.965	44.564
99	44.564	44.443	44.425	44.303	43.920	43.833	43.415
100	43.432	43.345	43.328	43.188	42.805	42.718	42.317
101	42.387	42.282	42.247	42.125	41.742	41.655	41.272
102	41.341	41.272	41.220	41.098	40.714	40.610	40.261
103	40.366	40.279	40.261	40.139	39.774	39.669	39.338
104	39.460	39.373	39.338	39.199	38.850	38.746	38.415
105	38.554	38.484	38.449	38.345	37.962	37.875	37.544
106	37.700	37.648	37.613	37.474	37.125	37.021	36.725
107	36.882	36.812	36.794	36.672	36.324	36.220	35.923
108	36.132	36.063	36.045	35.906	35.575	35.453	35.192
109	35.401	35.314	35.314	35.174	34.878	34.721	34.460
110	34.686	34.669	34.617	34.495	34.164	34.059	33.798
111	34.042	33.972	33.955	33.850	33.519	33.415	33.136
112	33.432	33.362	33.310	33.206	32.909	32.787	32.526
113	32.822	32.787	32.735	32.631	32.334	32.213	31.969
114	32.282	32.230	32.195	32.073	31.777	31.655	31.411
115	31.742	31.690	31.655	31.551	31.272	31.150	30.906
116	31.254	31.202	31.167	31.063	30.767	30.662	30.436
117	30.767	30.714	30.697	30.575	30.314	30.209	29.983
118	30.314	30.296	30.244	30.139	29.878	29.774	29.530
119	29.913	29.878	29.826	29.721	29.477	29.355	29.164
120	29.530	29.512	29.443	29.355	29.111	28.972	28.780
121	29.164	29.129	29.077	28.990	28.746	28.641	28.449
122	28.815	28.780	28.746	28.659	28.415	28.310	28.118
123	28.502	28.484	28.415	28.345	28.118	28.014	27.840
124	28.223	28.171	28.118	28.049	27.822	27.718	27.561
125	27.944	27.927	27.857	27.787	27.578	27.474	27.300
126	27.683	27.648	27.613	27.544	27.352	27.230	27.073
127	27.456	27.422	27.387	27.317	27.108	27.003	26.847
128	27.230	27.230	27.178	27.091	26.916	26.829	26.655
129	27.038	27.038	26.986	26.916	26.725	26.638	26.463
130	26.847	26.847	26.812	26.725	26.568	26.463	26.307
131	26.672	26.707	26.620	26.585	26.411	26.307	26.150
132	26.516	26.551	26.481	26.429	26.254	26.150	26.010
133	26.394	26.394	26.341	26.289	26.132	26.028	25.871
134	26.272	26.272	26.220	26.167	25.993	25.906	25.767
135	26.132	26.167	26.080	26.045	25.906	25.784	25.645
136	26.028	26.063	25.993	25.941	25.801	25.662	25.540
137	25.923	25.941	25.888	25.836	25.697	25.575	25.436
138	25.836	25.854	25.784	25.732	25.592	25.488	25.348
139	25.697	25.749	25.697	25.645	25.505	25.401	25.261
140	25.645	25.645	25.610	25.523	25.418	25.314	25.174
141	25.557	25.575	25.523	25.470	25.331	25.226	25.105
142	25.488	25.505	25.436	25.383	25.244	25.157	25.017
143	25.401	25.418	25.366	25.314	25.174	25.070	24.930
144	25.331	25.331	25.279	25.226	25.105	25.000	24.878
145	25.244	25.261	25.192	25.157	25.017	24.913	24.791
146	25.157	25.192	25.122	25.087	24.930	24.843	24.704
147	25.105	25.105	25.052	25.017	24.861	24.774	24.652
148	25.017	25.035	24.965	24.930	24.808	24.669	24.564

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CANDELA TABULATION - (Cont.)

149	24.965	24.965	24.913	24.861	24.721	24.634	24.495
150	24.878	24.861	24.826	24.774	24.634	24.530	24.425
151	24.774	24.756	24.704	24.652	24.530	24.425	24.303
152	24.634	24.617	24.547	24.495	24.355	24.251	24.146
153	24.460	24.408	24.303	24.321	24.146	24.059	23.955
154	24.233	24.216	24.129	24.077	23.920	23.815	23.728
155	23.990	23.972	23.885	23.850	23.676	23.589	23.328
156	23.746	23.711	23.589	23.589	23.432	23.310	22.683
157	23.467	23.432	23.328	23.310	23.136	23.031	22.021
158	23.171	23.118	22.997	22.997	22.822	22.735	21.551
159	22.875	22.805	22.683	22.683	22.509	22.422	21.115
160	22.561	22.474	22.352	22.369	22.178	22.108	20.557
161	22.247	22.108	22.003	21.986	21.829	21.760	19.808
162	21.899	21.777	21.620	21.603	21.463	21.394	18.902
163	21.551	21.359	21.254	21.220	21.115	20.767	17.944
164	21.167	20.888	20.854	20.662	20.697	19.895	16.934
165	20.679	20.244	20.314	19.983	20.122	18.937	15.923
166	20.035	19.443	19.599	19.146	19.373	17.997	15.052
167	19.181	18.502	18.693	18.171	18.415	17.003	14.129
168	18.153	17.456	17.613	17.091	17.317	15.941	13.153
169	16.969	16.254	16.429	15.871	16.080	14.774	12.125
170	15.645	14.913	15.070	14.495	14.652	13.432	11.010
171	14.111	13.397	13.502	12.909	12.979	11.899	9.913
172	12.195	11.481	11.568	11.010	10.348	9.983	8.571
173	9.617	8.868	8.920	8.397	7.718	7.056	6.185
174	6.272	5.592	5.557	5.157	4.355	3.589	2.787
175	3.014	2.561	2.439	2.195	1.463	0.801	1.376
176	0.470	0.209	0.139	0.070	0.017	0.000	0.017
177	0.000	0.000	0.000	0.000	0.000	0.000	0.000
178	0.000	0.000	0.000	0.000	0.000	0.000	0.000
179	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180	0.017	0.017	0.017	0.017	0.017	0.017	0.017

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	88.68	8.40	8.40
0-30	189.59	18.10	18.10
0-40	313.42	29.80	29.80
0-60	573.25	54.60	54.60
0-80	776.71	74.00	74.00
0-90	847.53	80.70	80.70
10-90	824.67	78.50	78.50
20-40	224.74	21.40	21.40
20-50	357.14	34.00	34.00
40-70	371.92	35.40	35.40
60-80	203.46	19.40	19.40
70-80	91.37	8.70	8.70
80-90	70.82	6.70	6.70
90-110	93.82	8.90	8.90
90-120	124.95	11.90	11.90
90-130	149.71	14.30	14.30
90-150	185.38	17.70	17.70
90-180	202.52	19.30	19.30
110-180	108.70	10.40	10.40
0-180	1050.05	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	22.86
10-20	65.82
20-30	100.91
30-40	123.83
40-50	132.40
50-60	127.44
60-70	112.09
70-80	91.37
80-90	70.82
90-100	53.47
100-110	40.35
110-120	31.13
120-130	24.76
130-140	20.00
140-150	15.67
150-160	10.94
160-170	5.48
170-180	0.72

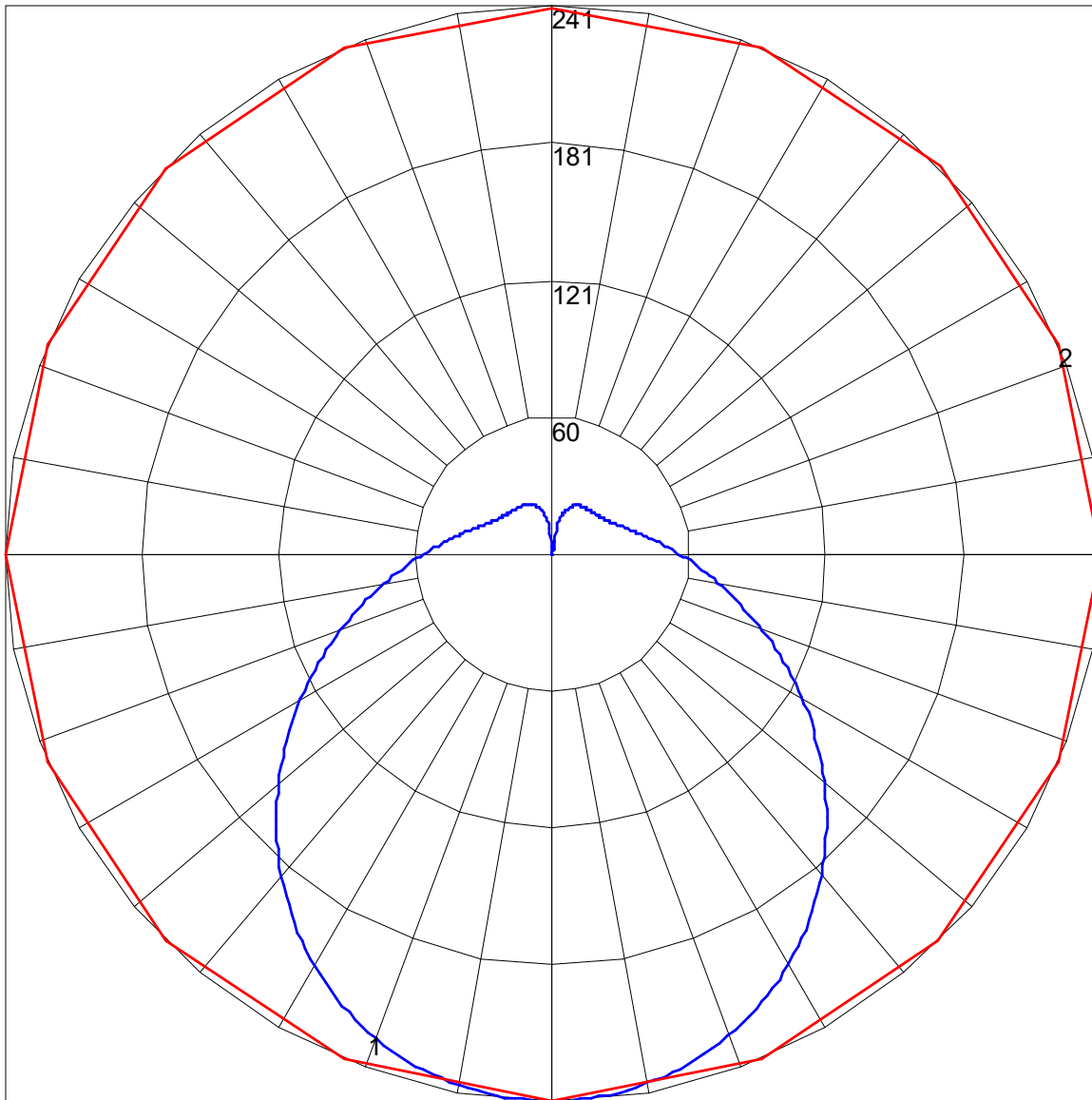
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	102	96	91	86	97	92	87	83	84	80	77	77	74	71	70	68	66	62
2	92	82	75	68	87	79	72	66	72	66	62	66	61	57	60	56	53	50
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	53	48	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	47	42	37	35
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	42	36	32	30
6	64	50	41	34	61	48	40	34	44	37	32	41	35	30	38	32	28	26
7	59	45	36	30	56	44	35	29	40	33	28	37	31	26	34	29	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	23	31	26	22	20
9	51	38	29	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	33	26	21	31	25	20	29	23	19	27	22	18	16

POLAR GRAPH



Maximum Candela = 241.324 Located At Horizontal Angle = 247.5, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (247.5 - 67.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)