



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-10A-5000°K-P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] -
 [TESTLAB] BEGHELLI
 [TESTDATE] 2017/2/14
 [ISSUEDATE] 2017/2/14 15:09:47
 [NEARFIELD]
 [LAMPPOSITION] "0,0"
 [OTHER]
 [MANUFAC] BEGHELLI
 [LUMCAT] BLS-10A - 5000°K
 [BALLAST] -
 [BALLASTCAT] -

CHARACTERISTICS

Lumens Per Lamp	7589 (1 lamp)
Total Lamp Lumens	7589
Luminaire Lumens	7589
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	72
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.46
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	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688
1	2585.806	2586.489	2594.761	2595.134	2601.207	2599.915	2596.053	2590.811	2589.371	2577.684
2	2579.273	2581.782	2594.003	2587.781	2595.221	2595.295	2584.291	2573.883	2572.678	2561.513
3	2571.238	2570.244	2580.118	2566.829	2579.348	2578.516	2564.481	2542.088	2545.057	2541.331
4	2564.481	2557.799	2565.922	2548.919	2556.744	2562.656	2546.721	2504.444	2519.472	2515.299
5	2560.532	2551.192	2555.825	2537.468	2546.112	2559.774	2526.688	2470.749	2490.260	2502.407
6	2550.360	2546.336	2555.216	2533.742	2549.751	2565.015	2513.783	2436.830	2432.731	2464.837
7	2536.785	2538.449	2562.507	2532.910	2565.313	2586.638	2499.898	2372.321	2349.406	2395.621
8	2530.029	2535.257	2574.343	2532.835	2586.862	2622.917	2464.377	2317.909	2287.096	2334.912
9	2527.445	2535.257	2582.006	2531.544	2606.448	2631.648	2404.426	2282.625	2250.904	2291.877
10	2529.954	2542.237	2587.856	2532.835	2630.120	2618.893	2333.012	2244.148	2235.342	2246.272
11	2535.568	2551.353	2591.718	2538.909	2644.925	2587.545	2264.181	2194.282	2183.129	2179.179
12	2548.385	2559.166	2595.134	2542.920	2637.262	2541.554	2206.578	2129.699	2116.807	2095.631
13	2555.601	2561.066	2594.836	2544.287	2625.724	2482.970	2160.512	2075.747	2076.355	2048.050
14	2561.289	2568.803	2594.836	2545.578	2610.994	2434.172	2125.377	2036.053	2038.251	2017.771
15	2562.581	2580.950	2582.465	2541.256	2590.886	2401.694	2116.881	2004.332	1999.936	1997.725
16	2562.656	2592.401	2567.437	2540.797	2563.488	2397.893	2099.580	1983.157	1960.167	1977.158
17	2576.702	2599.543	2555.216	2542.548	2537.543	2405.408	2050.783	1966.005	1917.666	1953.187
18	2599.083	2604.771	2544.448	2546.423	2514.243	2408.301	2010.629	1947.189	1877.215	1927.230
19	2615.626	2610.919	2536.474	2557.948	2499.898	2402.303	1989.379	1927.230	1833.199	1893.386
20	2624.656	2610.621	2536.015	2568.654	2499.898	2383.561	1975.344	1898.540	1784.252	1850.127
21	2637.709	2603.716	2535.568	2571.846	2499.587	2359.044	1966.241	1852.624	1718.688	1799.429
22	2643.174	2598.475	2517.807	2570.704	2506.803	2350.549	1954.628	1797.529	1635.735	1740.534
23	2644.465	2596.587	2498.383	2571.076	2547.479	2356.237	1941.190	1735.231	1544.735	1677.478
24	2628.307	2590.588	2486.534	2579.273	2580.491	2371.799	1928.671	1666.474	1440.321	1604.996
25	2586.179	2586.104	2469.544	2584.974	2576.926	2384.319	1913.568	1595.060	1321.773	1529.645
26	2546.336	2577.150	2463.011	2601.517	2576.616	2385.300	1895.733	1511.350	1194.656	1454.815
27	2502.096	2557.799	2460.738	2597.866	2579.124	2377.177	1875.700	1426.348	1076.418	1389.399
28	2460.664	2532.376	2457.695	2563.041	2577.758	2361.242	1854.834	1350.314	970.253	1332.703
29	2418.014	2498.606	2452.081	2538.747	2567.822	2348.723	1831.150	1279.583	877.738	1268.653
30	2383.934	2458.080	2446.468	2527.743	2542.473	2345.233	1814.221	1212.491	793.121	1199.748
31	2351.828	2415.132	2436.904	2514.094	2535.642	2343.643	1803.453	1152.465	720.341	1131.066
32	2319.661	2366.856	2426.360	2500.730	2538.139	2348.115	1803.453	1089.857	673.518	1071.264
33	2285.121	2319.586	2411.555	2501.637	2553.477	2374.221	1804.285	1030.428	634.817	1016.008
34	2258.493	2278.601	2395.770	2526.688	2554.235	2402.911	1803.900	978.450	602.414	966.006
35	2229.877	2244.148	2372.321	2556.284	2542.920	2414.064	1803.453	926.771	576.916	917.432
36	2192.916	2208.329	2362.832	2573.660	2523.732	2413.679	1802.919	881.836	553.157	872.124
37	2149.061	2169.542	2354.262	2570.244	2508.704	2416.498	1798.448	838.652	535.247	823.711
38	2095.246	2127.128	2342.575	2545.429	2496.023	2425.975	1783.420	797.903	518.170	772.405
39	2016.405	2070.133	2322.766	2517.348	2486.534	2435.998	1763.610	758.370	499.813	729.904
40	1932.235	2006.456	2299.019	2504.605	2478.722	2438.196	1735.454	718.974	484.860	687.788
41	1860.895	1938.532	2277.011	2508.629	2468.625	2432.880	1707.150	682.857	468.242	652.876
42	1788.649	1857.256	2252.270	2525.172	2456.180	2418.622	1679.068	651.895	452.220	623.205
43	1724.910	1783.942	2220.848	2527.135	2443.884	2405.333	1656.377	626.546	438.645	604.314
44	1671.703	1707.448	2179.341	2521.446	2435.166	2389.473	1641.734	604.314	427.716	588.603
45	1631.711	1638.840	2125.600	2512.951	2427.043	2375.364	1624.731	587.609	418.450	573.500
46	1602.413	1584.739	2071.040	2510.517	2415.207	2352.673	1609.169	575.773	410.328	559.838
47	1600.289	1542.387	2017.460	2516.975	2405.258	2328.764	1592.328	563.552	402.441	548.449
48	1631.326	1525.087	1954.628	2523.496	2391.597	2309.489	1575.399	553.008	393.176	543.444
49	1747.899	1522.205	1869.775	2526.228	2373.315	2288.089	1558.558	544.053	386.805	536.688
50	1918.350	1546.262	1774.080	2525.855	2363.217	2265.696	1537.382	539.197	382.781	531.372
51	1887.995	1686.508	1708.665	2521.223	2355.095	2238.459	1504.060	536.079	377.241	527.509
52	1640.206	1822.505	1665.630	2516.739	2349.555	2193.226	1460.354	533.123	376.409	520.679
53	1403.434	1738.187	1650.763	2513.560	2352.598	2141.845	1402.900	529.174	375.950	510.966

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CANDELA TABULATION - (Cont.)

54	1127.650	1493.366	1648.329	2504.295	2363.515	2080.143	1332.852	525.075	376.409	499.428
55	914.923	1286.637	1647.037	2494.893	2369.663	2016.554	1259.016	516.804	376.869	487.890
56	788.414	1081.883	1660.774	2503.686	2354.039	1949.995	1185.626	500.571	378.682	476.128
57	704.033	952.269	1729.530	2479.790	2302.658	1875.240	1115.131	482.885	383.017	455.412
58	650.975	859.145	1695.152	2447.983	2233.367	1789.108	1046.747	457.685	387.873	434.770
59	606.438	809.515	1580.181	2396.006	2146.850	1708.131	987.778	434.696	399.026	419.891
60	572.966	764.133	1450.406	2315.935	2055.403	1632.692	944.445	419.059	409.496	411.769
61	546.785	728.389	1316.991	2217.507	1946.431	1561.887	899.299	410.328	421.257	410.489
62	522.417	693.178	1227.295	2060.334	1837.297	1497.465	837.522	406.391	420.736	405.174
63	503.601	656.142	1173.331	1922.225	1726.723	1432.645	751.303	399.560	416.786	387.873
64	477.805	623.962	1134.556	1822.269	1656.452	1355.170	658.651	384.383	405.025	361.617
65	453.586	595.732	1105.183	1669.579	1641.349	1256.966	571.376	362.213	385.823	336.417
66	424.064	566.744	1088.416	1529.794	1673.380	1157.856	496.547	339.299	381.265	320.247
67	418.836	550.884	1076.952	1411.022	1645.907	1065.414	456.629	322.904	388.171	322.221
68	404.106	536.241	1055.168	1347.582	1517.274	976.091	439.167	319.414	393.785	332.095
69	397.362	518.629	1034.601	1373.527	1362.001	870.758	403.957	318.955	383.240	329.959
70	382.334	495.553	982.474	1312.669	1190.868	780.825	355.618	307.355	354.935	309.243
71	367.678	480.910	900.963	1190.110	1038.625	702.580	311.453	274.107	321.315	275.858
72	358.723	457.921	807.391	1068.221	945.128	632.992	276.914	242.771	290.128	259.923
73	341.050	442.508	722.092	907.111	965.770	573.339	257.340	238.971	250.285	267.884
74	329.512	429.231	645.436	749.179	998.484	501.328	240.412	255.291	199.438	287.694
75	321.538	406.391	587.460	628.135	923.356	422.773	229.644	273.200	155.795	273.883
76	321.923	381.414	542.463	601.346	793.879	356.836	219.621	257.489	151.473	221.968
77	317.676	345.596	513.624	622.522	678.225	318.433	201.103	203.301	162.775	154.131
78	244.585	323.513	481.208	583.821	614.709	288.837	180.684	140.245	159.968	104.339
79	172.947	305.305	447.290	504.582	527.882	245.193	156.180	100.924	140.841	93.720
80	127.341	275.473	402.292	411.396	402.131	203.077	137.736	99.632	118.225	100.315
81	121.566	213.013	348.638	356.674	409.645	174.388	138.035	110.413	102.067	100.477
82	128.471	161.868	301.729	353.644	422.015	155.335	132.421	104.873	87.573	92.280
83	74.296	114.213	269.785	303.182	334.368	138.270	121.566	86.355	41.507	77.624
84	37.781	108.289	251.652	246.410	243.603	115.877	98.117	64.732	11.004	65.180
85	30.193	85.213	217.720	236.388	174.537	84.766	64.124	56.982	0.000	57.591
86	21.014	44.314	174.623	208.083	132.421	58.200	40.750	55.927	0.000	42.488
87	13.277	30.118	137.960	144.493	100.092	40.675	28.454	44.314	0.000	26.256
88	7.961	23.672	111.779	106.997	80.208	33.695	25.945	27.088	0.000	16.916
89	3.105	16.233	93.795	98.875	69.589	32.776	24.045	16.456	0.000	11.526
90	0.000	9.638	63.975	81.723	59.268	26.864	15.935	7.663	0.000	0.832
91	0.000	3.030	41.582	53.952	44.699	16.990	6.905	0.000	0.000	0.000
92	0.000	0.075	17.375	32.242	31.795	8.644	0.000	0.000	0.000	0.000
93	0.000	0.000	5.154	16.456	18.208	0.832	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	3.490	6.744	0.000	0.000	0.000	0.000	0.000
95	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
96	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97	0.000	0.000	0.000	0.000	0.373	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.373	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	1.205	0.832	0.373	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.832	0.373	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.832	1.279	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.832	0.832	0.832	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.832	0.832	0.832	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.832	0.832	1.279	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.373
106	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

110	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.373
124	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.000	0.000	0.832
125	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.373	0.000	0.832
126	0.000	0.000	0.000	0.000	1.205	0.832	1.279	1.205	0.000	0.832
127	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.832
128	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.832
129	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.832
130	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
131	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
132	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
133	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
134	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
135	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
136	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
137	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
138	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
139	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
140	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
141	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
142	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
143	0.000	0.000	0.000	0.000	1.205	0.832	1.279	0.832	0.000	0.373
144	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.000	0.832
145	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
146	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
147	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
148	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
149	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
150	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
151	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
152	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.373
153	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
154	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
155	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
156	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
157	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
158	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
159	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
160	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
161	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
162	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
163	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
164	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
165	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
167	0.000	0.000	0.000	0.000	1.205	0.832	0.832	0.832	0.373	0.000
168	0.000	0.000	0.000	0.000	0.832	0.832	0.832	0.832	0.373	0.000
169	0.000	0.000	0.000	0.000	0.832	0.832	0.832	0.832	0.373	0.000
170	0.000	0.000	0.000	0.000	0.832	0.832	0.832	0.832	0.373	0.000
171	0.000	0.000	0.000	0.000	0.832	0.832	0.373	0.832	0.373	0.000
172	0.000	0.000	0.373	0.000	0.832	0.832	0.373	0.832	0.373	0.000
173	0.000	0.000	0.373	0.000	0.832	0.832	0.373	0.832	0.373	0.000
174	0.000	0.000	0.373	0.000	1.205	0.832	0.373	0.832	0.373	0.000
175	0.000	0.000	0.373	0.000	0.373	0.832	0.373	0.832	0.000	0.000
176	0.000	0.000	0.373	0.000	0.373	0.832	0.373	0.832	0.000	0.000
177	0.000	0.000	0.373	0.000	0.373	0.832	0.373	0.832	0.000	0.000
178	0.000	0.000	0.373	0.832	0.373	0.832	0.373	0.832	0.000	0.000
179	0.000	0.373	0.373	0.832	0.373	0.832	0.373	0.832	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688	2587.688
1	2567.139	2556.433	2544.212	2551.503	2563.413	2576.616	2585.806
2	2556.061	2543.454	2532.152	2532.525	2548.845	2568.953	2579.273
3	2539.505	2545.504	2531.233	2530.712	2541.865	2562.581	2571.238
4	2539.505	2568.431	2542.324	2523.955	2533.444	2552.409	2564.481
5	2538.909	2594.301	2565.537	2518.863	2531.544	2549.379	2560.532
6	2529.184	2619.961	2583.297	2531.618	2545.504	2560.234	2550.360
7	2494.433	2633.312	2603.107	2547.789	2564.854	2578.441	2536.785
8	2419.454	2623.898	2618.061	2555.142	2583.074	2592.252	2530.029
9	2334.304	2596.810	2630.580	2566.220	2597.344	2605.541	2527.445
10	2255.686	2552.558	2634.455	2579.199	2604.399	2608.945	2529.954
11	2190.258	2494.359	2633.238	2584.974	2605.454	2608.572	2535.568
12	2144.963	2435.849	2621.700	2586.787	2597.717	2608.945	2548.385
13	2123.787	2411.717	2599.766	2581.559	2591.954	2612.819	2555.601
14	2124.321	2415.579	2584.291	2577.150	2580.950	2615.937	2561.289
15	2107.318	2431.825	2563.413	2577.535	2574.343	2618.135	2562.581
16	2055.564	2434.930	2537.381	2587.856	2569.412	2617.676	2562.656
17	2011.995	2419.380	2520.540	2600.673	2559.551	2610.770	2576.702
18	1987.330	2390.230	2528.054	2606.821	2555.378	2602.648	2599.083
19	1981.790	2348.798	2544.970	2604.771	2567.748	2597.642	2615.626
20	1979.977	2319.959	2565.699	2597.419	2581.323	2597.642	2624.656
21	1974.736	2311.911	2599.617	2603.331	2592.861	2608.945	2637.709
22	1966.998	2312.072	2620.793	2614.335	2605.691	2621.625	2643.174
23	1952.728	2321.549	2629.897	2628.531	2608.572	2626.258	2644.465
24	1936.942	2324.206	2616.011	2643.931	2601.592	2622.991	2628.307
25	1917.281	2323.523	2605.231	2648.564	2575.709	2606.523	2586.179
26	1893.907	2317.611	2597.108	2669.057	2559.091	2578.143	2546.336
27	1867.652	2315.413	2597.419	2680.967	2545.280	2536.474	2502.096
28	1845.880	2318.443	2598.711	2682.719	2544.746	2493.291	2460.664
29	1826.144	2318.058	2602.573	2670.199	2556.135	2449.200	2418.014
30	1816.730	2321.635	2601.443	2658.959	2562.283	2391.758	2383.934
31	1811.576	2344.091	2600.983	2661.245	2550.968	2340.824	2351.828
32	1812.942	2367.924	2600.524	2702.143	2530.637	2288.089	2319.661
33	1817.190	2389.622	2591.420	2748.358	2508.542	2243.080	2285.121
34	1817.190	2413.307	2579.435	2765.211	2489.043	2199.672	2258.493
35	1815.289	2428.335	2564.630	2760.504	2470.376	2165.903	2229.877
36	1807.167	2432.433	2548.311	2712.849	2460.514	2142.752	2192.916

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CANDELA TABULATION - (Cont.)

37	1798.287	2437.972	2539.281	2667.082	2451.560	2113.689	2149.061
38	1778.328	2436.979	2533.891	2635.511	2437.140	2087.434	2095.246
39	1744.335	2428.260	2528.737	2618.967	2419.914	2047.665	2016.405
40	1708.888	2410.115	2523.955	2610.472	2395.770	1994.161	1932.235
41	1685.291	2392.590	2523.806	2596.351	2368.297	1932.310	1860.895
42	1662.450	2378.779	2524.253	2586.862	2341.507	1860.448	1788.649
43	1642.566	2363.602	2515.224	2583.297	2319.127	1793.505	1724.910
44	1630.345	2344.625	2501.562	2583.682	2296.808	1723.457	1671.703
45	1619.875	2327.547	2487.987	2583.297	2262.666	1667.232	1631.711
46	1605.605	2308.731	2472.959	2598.176	2191.711	1620.558	1602.413
47	1580.790	2290.139	2458.912	2612.285	2124.544	1577.523	1600.289
48	1545.728	2274.577	2446.244	2629.065	2057.303	1552.857	1631.326
49	1502.172	2257.201	2442.369	2648.340	1993.403	1538.674	1747.899
50	1457.386	2226.387	2442.295	2666.026	1937.849	1557.192	1918.350
51	1405.173	2182.222	2444.046	2687.649	1896.031	1717.694	1887.995
52	1344.775	2137.064	2446.617	2703.733	1891.634	1849.891	1640.206
53	1274.652	2084.167	2433.042	2718.003	1893.224	1740.385	1403.434
54	1198.531	2019.895	2393.422	2719.146	1867.204	1508.084	1127.650
55	1125.142	1946.505	2341.669	2692.890	1824.555	1322.841	914.923
56	1059.043	1863.404	2271.472	2635.821	1834.565	1134.705	788.414
57	1004.247	1778.936	2187.526	2555.452	1890.877	1008.656	704.033
58	958.417	1704.715	2066.258	2468.401	1852.934	917.581	650.975
59	915.382	1630.494	1934.061	2363.677	1725.742	854.438	606.438
60	862.797	1553.466	1828.566	2219.482	1604.996	808.534	572.966
61	792.289	1458.988	1790.325	2025.359	1489.802	771.424	546.785
62	702.059	1347.656	1813.923	1891.485	1426.883	735.754	522.417
63	604.687	1242.087	1868.794	1845.495	1397.820	706.766	503.601
64	522.579	1152.391	1882.382	1822.654	1369.888	682.249	477.805
65	470.204	1065.340	1816.122	1836.465	1327.014	659.632	453.586
66	443.800	974.352	1690.681	1842.762	1281.322	636.792	424.064
67	419.283	883.128	1498.520	1771.348	1220.998	614.709	418.836
68	385.215	788.650	1270.703	1632.779	1138.120	587.162	404.106
69	343.397	696.358	1188.669	1471.122	1044.549	564.384	397.362
70	305.902	618.274	1216.291	1231.841	930.336	543.221	382.334
71	277.448	565.837	1244.372	957.200	816.955	524.467	367.678
72	257.563	500.720	1164.836	835.324	720.577	507.998	358.723
73	248.149	419.817	1023.684	801.927	649.237	492.821	341.050
74	234.947	357.519	900.739	809.441	628.446	462.852	329.512
75	217.869	323.898	831.449	782.800	608.785	433.702	321.538
76	195.489	295.134	808.534	689.452	578.356	392.120	321.923
77	171.283	252.099	600.513	548.449	530.925	363.431	317.676
78	153.448	211.958	451.388	462.094	461.336	341.807	244.585
79	146.157	184.944	410.328	459.362	392.195	310.162	172.947
80	142.742	169.531	338.839	406.614	332.095	275.622	127.341
81	138.643	151.398	292.016	311.528	302.039	211.349	121.566
82	123.168	124.298	247.243	293.382	291.569	157.087	128.471
83	87.424	92.205	193.129	263.028	271.834	128.558	74.296
84	57.218	61.466	145.549	165.284	230.550	113.145	37.781
85	33.459	44.314	103.656	122.025	186.758	83.399	30.193
86	27.386	37.260	83.772	112.686	159.595	45.146	21.014
87	26.020	34.974	68.756	94.776	131.514	30.354	13.277
88	22.530	31.869	52.126	67.912	102.973	24.430	7.961
89	13.724	21.325	34.602	50.077	72.470	14.109	3.105
90	6.520	13.649	25.722	37.185	41.880	6.595	0.000
91	0.000	4.248	14.718	22.455	18.891	0.373	0.000
92	0.000	0.832	7.129	8.185	6.371	0.000	0.000

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CANDELA TABULATION - (Cont.)

93	0.000	0.373	1.279	1.354	0.149	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.373	0.000	0.000	0.000	0.000	0.000
96	0.000	0.832	0.000	0.000	0.000	0.000	0.000
97	0.000	0.832	0.000	0.000	0.000	0.000	0.000
98	0.373	0.832	0.000	0.000	0.000	0.000	0.000
99	0.000	1.205	0.000	0.000	0.000	0.000	0.000
100	0.000	0.832	0.000	0.000	0.000	0.000	0.000
101	0.000	0.832	0.000	0.000	0.000	0.000	0.000
102	0.373	0.832	0.000	0.000	0.000	0.000	0.000
103	1.205	0.832	0.000	0.000	0.000	0.000	0.000
104	0.832	0.832	0.000	0.000	0.000	0.000	0.000
105	1.205	0.832	0.000	0.000	0.000	0.000	0.000
106	1.205	0.832	0.000	0.000	0.000	0.000	0.000
107	1.205	0.832	0.000	0.000	0.000	0.000	0.000
108	1.205	0.832	0.000	0.000	0.000	0.000	0.000
109	1.205	0.832	0.000	0.000	0.000	0.000	0.000
110	1.205	0.832	0.000	0.000	0.000	0.000	0.000
111	1.205	0.832	0.000	0.000	0.000	0.000	0.000
112	1.205	0.832	0.000	0.000	0.000	0.000	0.000
113	1.205	0.832	0.000	0.000	0.000	0.000	0.000
114	1.205	0.832	0.000	0.000	0.000	0.000	0.000
115	1.205	0.832	0.000	0.000	0.000	0.000	0.000
116	1.205	0.832	0.000	0.000	0.000	0.000	0.000
117	1.205	0.832	0.000	0.000	0.000	0.000	0.000
118	1.205	0.832	0.000	0.000	0.000	0.000	0.000
119	1.205	0.832	0.000	0.000	0.000	0.000	0.000
120	1.205	0.832	0.000	0.000	0.000	0.000	0.000
121	1.205	0.832	0.000	0.000	0.000	0.000	0.000
122	1.205	0.832	0.000	0.000	0.000	0.000	0.000
123	1.205	0.832	0.000	0.000	0.000	0.000	0.000
124	1.205	0.832	0.000	0.000	0.000	0.000	0.000
125	1.205	0.832	0.000	0.000	0.000	0.000	0.000
126	1.205	0.832	0.000	0.000	0.000	0.000	0.000
127	1.205	0.832	0.000	0.000	0.000	0.000	0.000
128	1.205	0.832	0.000	0.000	0.000	0.000	0.000
129	1.205	0.832	0.000	0.000	0.000	0.000	0.000
130	1.205	0.832	0.000	0.000	0.000	0.000	0.000
131	1.205	0.832	0.000	0.000	0.000	0.000	0.000
132	1.205	0.832	0.000	0.000	0.000	0.000	0.000
133	1.205	0.832	0.000	0.000	0.000	0.000	0.000
134	1.205	0.832	0.000	0.000	0.000	0.000	0.000
135	1.205	0.832	0.000	0.000	0.000	0.000	0.000
136	1.205	0.832	0.000	0.000	0.000	0.000	0.000
137	1.205	0.832	0.000	0.000	0.000	0.000	0.000
138	1.205	0.832	0.000	0.000	0.000	0.000	0.000
139	1.205	0.832	0.000	0.000	0.000	0.000	0.000
140	1.205	0.832	0.000	0.000	0.000	0.000	0.000
141	1.205	0.832	0.000	0.000	0.000	0.000	0.000
142	1.205	0.832	0.000	0.000	0.000	0.000	0.000
143	1.205	0.832	0.000	0.000	0.000	0.000	0.000
144	1.205	0.832	0.000	0.000	0.000	0.000	0.000
145	0.832	0.832	0.000	0.000	0.000	0.000	0.000
146	0.832	0.832	0.000	0.000	0.000	0.000	0.000
147	0.832	1.205	0.000	0.000	0.000	0.000	0.000
148	0.832	0.373	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

149	0.832	0.832	0.000	0.000	0.000	0.000	0.000
150	0.832	0.373	0.000	0.000	0.000	0.000	0.000
151	0.832	0.373	0.000	0.000	0.000	0.000	0.000
152	0.832	0.373	0.000	0.000	0.000	0.000	0.000
153	0.832	0.373	0.832	0.000	0.000	0.000	0.000
154	0.832	0.373	0.373	0.000	0.000	0.000	0.000
155	0.832	0.373	0.373	0.373	0.000	0.000	0.000
156	0.832	0.373	1.205	0.832	0.000	0.000	0.000
157	0.832	0.373	0.832	0.373	0.000	0.000	0.000
158	0.832	0.373	0.832	0.373	0.000	0.000	0.000
159	0.832	0.373	0.832	0.373	0.000	0.000	0.000
160	0.832	0.373	0.832	0.373	0.000	0.000	0.000
161	0.832	0.373	0.832	0.373	0.000	0.000	0.000
162	0.832	0.373	0.832	0.373	0.000	0.000	0.000
163	0.832	0.373	0.832	0.373	0.000	0.000	0.000
164	0.832	0.373	0.832	0.373	0.000	0.000	0.000
165	0.832	0.373	0.832	0.373	0.000	0.000	0.000
166	0.832	0.373	0.832	0.373	0.000	0.000	0.000
167	0.832	0.373	0.832	0.373	0.000	0.000	0.000
168	0.832	0.373	0.832	0.373	0.000	0.000	0.000
169	0.832	0.373	0.832	0.373	0.000	0.000	0.000
170	0.832	0.373	0.832	0.373	0.000	0.000	0.000
171	0.832	0.373	0.832	0.373	0.373	0.000	0.000
172	0.832	0.373	0.832	0.373	0.373	0.000	0.000
173	0.832	0.373	0.832	0.373	0.373	0.000	0.000
174	0.832	0.373	0.832	0.373	0.373	0.000	0.000
175	0.832	0.373	0.832	0.373	0.832	0.000	0.000
176	0.832	0.373	0.832	0.373	1.205	0.000	0.000
177	1.205	0.373	0.832	0.373	0.832	0.000	0.000
178	0.373	0.373	0.832	0.373	0.832	0.000	0.000
179	0.373	0.373	0.832	0.373	0.832	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	917.65	12.10	12.10
0-30	1957.18	25.80	25.80
0-40	3237.04	42.70	42.70
0-60	6009.06	79.20	79.20
0-80	7456.54	98.30	98.30
0-90	7582.54	99.90	99.90
10-90	7341.76	96.70	96.70
20-40	2319.39	30.60	30.60
20-50	3720.22	49.00	49.00
40-70	3732.98	49.20	49.20
60-80	1447.47	19.10	19.10
70-80	486.52	6.40	6.40
80-90	126.01	1.70	1.70
90-110	4.43	0.10	0.10
90-120	4.76	0.10	0.10
90-130	5.12	0.10	0.10
90-150	5.68	0.10	0.10
90-180	6.00	0.10	0.10
110-180	1.57	0.00	0.00
0-180	7588.55	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	240.78
10-20	676.87
20-30	1039.53
30-40	1279.86
40-50	1400.83
50-60	1371.2
60-70	960.95
70-80	486.52
80-90	126.01
90-100	4.12
100-110	0.31
110-120	0.33
120-130	0.36
130-140	0.32
140-150	0.24
150-160	0.18
160-170	0.11
170-180	0.04

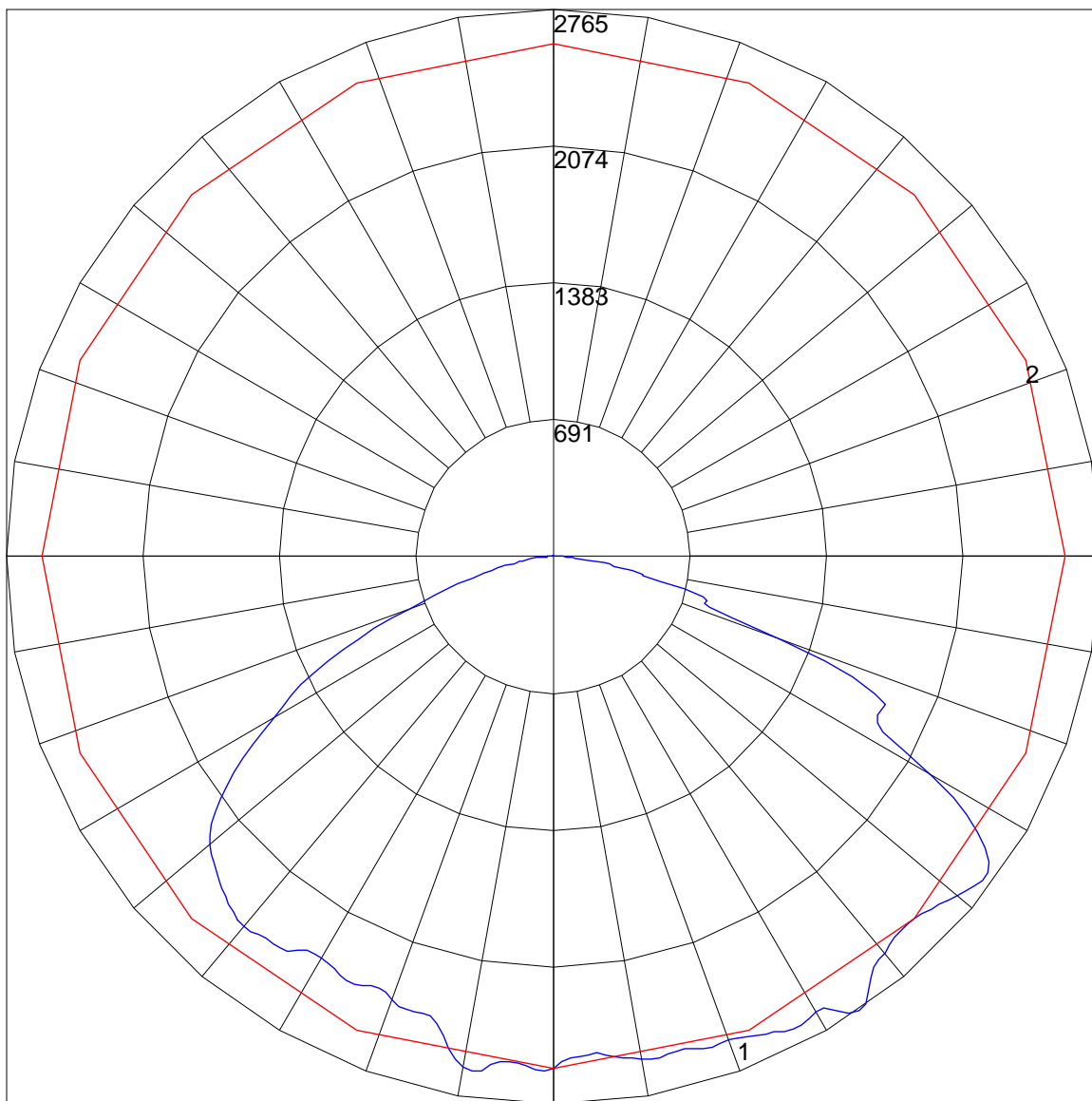
IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

POLAR GRAPH



Maximum Candela = 2765.211 Located At Horizontal Angle = 292.5, Vertical Angle = 34
1 - Vertical Plane Through Horizontal Angles (292.5 - 112.5) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)