



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-10A-6500°K.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 - 6500°K
 [BALLAST] -
 [BALLASTCAT] -

CHARACTERISTICS

Lumens Per Lamp	7860.94 (1 lamp)
Total Lamp Lumens	7860.94
Luminaire Lumens	7860
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	109
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	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403
1	2678.454	2679.162	2687.730	2688.115	2694.406	2693.068	2689.068	2683.639	2682.146	2670.040
2	2671.687	2674.286	2686.945	2680.499	2688.206	2688.283	2676.885	2666.104	2664.856	2653.290
3	2663.363	2662.334	2672.562	2658.796	2671.764	2670.902	2656.365	2633.170	2636.244	2632.385
4	2656.365	2649.444	2657.857	2640.245	2648.350	2654.474	2637.968	2594.176	2609.743	2605.420
5	2652.274	2642.600	2647.398	2628.384	2637.338	2651.489	2617.217	2559.274	2579.485	2592.066
6	2641.738	2637.569	2646.768	2624.524	2641.107	2656.918	2603.851	2524.140	2519.894	2553.150
7	2627.676	2629.400	2654.320	2623.662	2657.227	2679.316	2589.468	2457.320	2433.584	2481.454
8	2620.678	2626.094	2666.580	2623.585	2679.548	2716.894	2552.674	2400.959	2369.041	2418.571
9	2618.002	2626.094	2674.517	2622.247	2699.835	2725.938	2490.575	2364.410	2331.553	2373.994
10	2620.601	2633.324	2680.577	2623.585	2724.356	2712.726	2416.602	2324.554	2315.433	2326.754
11	2626.416	2642.767	2684.578	2629.876	2739.691	2680.255	2345.305	2272.902	2261.349	2257.258
12	2639.692	2650.859	2688.115	2634.032	2731.753	2632.616	2285.638	2206.004	2192.651	2170.716
13	2647.167	2652.827	2687.807	2635.447	2719.802	2571.933	2237.922	2150.119	2150.750	2121.431
14	2653.059	2660.842	2687.807	2636.785	2704.544	2521.387	2201.527	2109.003	2111.280	2090.066
15	2654.397	2673.424	2674.993	2632.308	2683.716	2487.745	2192.728	2076.146	2071.592	2069.302
16	2654.474	2685.285	2659.427	2631.832	2655.336	2483.808	2174.807	2054.212	2030.399	2047.998
17	2669.024	2692.682	2646.768	2633.646	2628.461	2491.592	2124.261	2036.445	1986.375	2023.169
18	2692.206	2698.099	2635.614	2637.660	2604.327	2494.589	2082.669	2016.955	1944.474	1996.281
19	2709.343	2704.467	2627.355	2649.598	2589.468	2488.376	2060.657	1996.281	1898.881	1961.224
20	2718.695	2704.158	2626.879	2660.688	2589.468	2468.962	2046.120	1966.563	1848.181	1916.416
21	2732.216	2697.005	2626.416	2663.994	2589.146	2443.567	2036.690	1919.002	1780.267	1863.902
22	2737.877	2691.576	2608.019	2662.810	2596.620	2434.767	2024.661	1861.933	1694.343	1802.896
23	2739.215	2689.621	2587.898	2663.196	2638.753	2440.660	2010.741	1797.403	1600.082	1737.581
24	2722.478	2683.407	2575.625	2671.687	2672.948	2456.779	1997.774	1726.183	1491.927	1662.502
25	2678.840	2678.763	2558.026	2677.592	2669.256	2469.747	1982.130	1652.210	1369.131	1584.451
26	2637.569	2669.487	2551.259	2694.728	2668.934	2470.764	1963.656	1565.501	1237.459	1506.940
27	2591.745	2649.444	2548.905	2690.946	2671.533	2462.350	1942.905	1477.454	1114.986	1439.181
28	2548.827	2623.109	2545.753	2654.873	2670.118	2445.844	1921.292	1398.695	1005.017	1380.453
29	2504.649	2588.130	2539.938	2629.709	2659.826	2432.876	1896.758	1325.429	909.186	1314.108
30	2469.348	2546.152	2534.123	2618.311	2633.568	2429.261	1879.224	1255.933	821.538	1242.734
31	2436.093	2501.665	2524.217	2604.172	2626.493	2427.615	1868.070	1193.757	746.150	1171.591
32	2402.773	2451.659	2513.295	2590.330	2629.079	2432.246	1868.070	1128.906	697.649	1109.647
33	2366.995	2402.695	2497.960	2591.269	2644.967	2459.288	1868.932	1067.347	657.562	1052.411
34	2339.413	2360.241	2481.608	2617.217	2645.751	2489.006	1868.533	1013.508	623.998	1000.617
35	2309.772	2324.554	2457.320	2647.874	2634.032	2500.559	1868.070	959.977	597.586	950.303
36	2271.487	2287.452	2447.491	2665.872	2614.155	2500.160	1867.517	913.432	572.976	903.371
37	2226.061	2247.275	2438.614	2662.334	2598.589	2503.080	1862.885	868.701	554.425	853.224
38	2170.317	2203.341	2426.508	2636.630	2585.454	2512.896	1847.319	826.491	536.735	800.079
39	2088.651	2144.304	2405.989	2607.543	2575.625	2523.278	1826.799	785.542	517.721	756.056
40	2001.466	2078.346	2381.391	2594.343	2567.533	2525.555	1797.635	744.735	502.232	712.431
41	1927.570	2007.988	2358.595	2598.512	2557.074	2520.049	1768.316	707.324	485.019	676.268
42	1852.735	1923.801	2332.968	2615.648	2544.183	2505.280	1739.228	675.251	468.423	645.534
43	1786.712	1847.859	2300.420	2617.680	2531.447	2491.515	1715.724	648.994	454.362	625.966
44	1731.599	1768.624	2257.425	2611.788	2522.416	2475.086	1700.556	625.966	443.041	609.692
45	1690.174	1697.559	2201.759	2602.989	2514.002	2460.472	1682.944	608.663	433.443	594.048
46	1659.826	1641.519	2145.244	2600.467	2501.742	2436.967	1666.825	596.403	425.030	579.897
47	1657.626	1597.650	2089.744	2607.157	2491.437	2412.202	1649.380	583.744	416.861	568.100
48	1689.775	1579.729	2024.661	2613.911	2477.286	2392.236	1631.845	572.821	407.263	562.915
49	1810.525	1576.745	1936.768	2616.741	2458.349	2370.070	1614.400	563.546	400.664	555.917
50	1987.083	1601.664	1837.644	2616.355	2447.890	2346.875	1592.466	558.516	396.495	550.411
51	1955.641	1746.934	1769.885	2611.557	2439.476	2318.662	1557.949	555.287	390.758	546.410
52	1698.974	1887.804	1725.308	2606.912	2433.738	2271.808	1512.678	552.225	389.896	539.334
53	1453.718	1800.465	1709.909	2603.619	2436.890	2218.586	1453.165	548.134	389.420	529.274

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CANDELA TABULATION - (Cont.)

54	1168.053	1546.872	1707.388	2594.022	2448.198	2154.673	1380.607	543.888	389.896	517.322
55	947.704	1332.737	1706.050	2584.283	2454.567	2088.805	1304.125	535.320	390.372	505.371
56	816.662	1120.646	1720.278	2593.391	2438.383	2019.862	1228.107	518.506	392.250	493.188
57	729.258	986.389	1791.498	2568.639	2385.161	1942.429	1155.086	500.186	396.740	471.729
58	674.299	889.928	1755.888	2535.693	2313.387	1853.211	1084.252	474.084	401.770	450.348
59	628.166	838.520	1636.798	2481.853	2223.771	1769.332	1023.169	450.271	413.323	434.936
60	593.495	791.511	1502.373	2398.913	2129.047	1691.191	978.284	434.074	424.168	426.522
61	566.376	754.486	1364.178	2296.959	2016.170	1617.848	931.520	425.030	436.351	425.197
62	541.135	718.014	1271.268	2134.154	1903.127	1551.118	867.530	420.952	435.810	419.691
63	521.645	679.651	1215.370	1991.097	1788.591	1483.976	778.222	413.876	431.719	401.770
64	494.925	646.318	1175.206	1887.560	1715.801	1403.725	682.250	398.155	419.536	374.574
65	469.838	617.077	1144.781	1729.399	1700.158	1302.003	591.848	375.191	399.647	348.471
66	439.258	587.050	1127.413	1584.605	1733.336	1199.341	514.338	351.455	394.926	331.721
67	433.842	570.621	1115.539	1461.578	1704.879	1103.588	472.990	334.474	402.079	333.766
68	418.584	555.454	1092.974	1395.865	1571.637	1011.063	454.902	330.859	407.894	343.994
69	411.599	537.211	1071.670	1422.739	1410.801	901.956	418.430	330.383	396.971	341.781
70	396.032	513.308	1017.676	1359.701	1233.536	808.802	368.360	318.367	367.652	320.322
71	380.852	498.141	933.244	1232.751	1075.838	727.753	322.613	283.928	332.827	285.742
72	371.576	474.328	836.320	1106.495	978.991	655.671	286.835	251.470	300.524	269.236
73	353.269	458.363	747.964	939.612	1000.373	593.881	266.560	247.533	259.253	277.483
74	341.318	444.610	668.562	776.022	1034.259	519.291	249.025	264.438	206.584	298.002
75	333.059	420.952	608.509	650.641	956.439	437.920	237.871	282.989	161.377	283.696
76	333.457	395.080	561.899	622.891	822.323	369.621	227.490	266.715	156.900	229.921
77	329.058	357.978	532.027	644.826	702.525	329.842	208.308	210.585	168.607	159.653
78	253.348	335.104	498.450	604.739	636.734	299.185	187.158	145.270	165.700	108.078
79	179.143	316.244	463.316	522.661	546.796	253.978	161.776	104.540	145.888	97.078
80	131.904	285.343	416.706	426.136	416.539	210.354	142.672	103.202	122.461	103.910
81	125.921	220.645	361.130	369.454	424.322	180.636	142.980	114.369	105.724	104.077
82	133.074	167.668	312.539	366.314	437.136	160.901	137.165	108.631	90.710	95.586
83	76.958	118.305	279.451	314.044	346.348	143.225	125.921	89.450	42.994	80.406
84	39.135	112.169	260.668	255.239	252.332	120.029	101.632	67.052	11.398	67.515
85	31.274	88.266	225.521	244.857	180.790	87.803	66.421	59.024	0.000	59.654
86	21.767	45.902	180.880	215.538	137.165	60.285	42.210	57.931	0.000	44.011
87	13.753	31.197	142.903	149.670	103.678	42.133	29.473	45.902	0.000	27.196
88	8.246	24.520	115.784	110.831	83.081	34.902	26.875	28.058	0.000	17.522
89	3.216	16.814	97.156	102.417	72.082	33.950	24.906	17.046	0.000	11.939
90	0.000	9.983	66.267	84.651	61.391	27.827	16.506	7.938	0.000	0.862
91	0.000	3.139	43.072	55.885	46.301	17.599	7.153	0.000	0.000	0.000
92	0.000	0.077	17.998	33.397	32.934	8.954	0.000	0.000	0.000	0.000
93	0.000	0.000	5.339	17.046	18.860	0.862	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	3.615	6.986	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	0.386	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.386	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	1.248	0.862	0.386	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.862	0.386	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.862	1.325	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.862	0.862	0.862	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.862	0.862	0.862	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.862	0.862	1.325	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.386
106	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

110	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.386
124	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.000	0.000	0.862
125	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.386	0.000	0.862
126	0.000	0.000	0.000	0.000	1.248	0.862	1.325	1.248	0.000	0.862
127	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.862
128	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.862
129	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.862
130	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
131	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
132	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
133	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
134	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
135	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
136	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
137	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
138	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
139	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
140	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
141	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
142	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
143	0.000	0.000	0.000	0.000	1.248	0.862	1.325	0.862	0.000	0.386
144	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.000	0.862
145	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
146	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
147	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
148	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
149	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
150	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
151	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
152	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.386
153	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
154	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
155	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
156	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
157	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
158	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
159	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
160	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
161	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
162	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
163	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
164	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
165	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000

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CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
167	0.000	0.000	0.000	0.000	1.248	0.862	0.862	0.862	0.386	0.000
168	0.000	0.000	0.000	0.000	0.862	0.862	0.862	0.862	0.386	0.000
169	0.000	0.000	0.000	0.000	0.862	0.862	0.862	0.862	0.386	0.000
170	0.000	0.000	0.000	0.000	0.862	0.862	0.862	0.862	0.386	0.000
171	0.000	0.000	0.000	0.000	0.862	0.862	0.386	0.862	0.386	0.000
172	0.000	0.000	0.386	0.000	0.862	0.862	0.386	0.862	0.386	0.000
173	0.000	0.000	0.386	0.000	0.862	0.862	0.386	0.862	0.386	0.000
174	0.000	0.000	0.386	0.000	1.248	0.862	0.386	0.862	0.386	0.000
175	0.000	0.000	0.386	0.000	0.386	0.862	0.386	0.862	0.000	0.000
176	0.000	0.000	0.386	0.000	0.386	0.862	0.386	0.862	0.000	0.000
177	0.000	0.000	0.386	0.000	0.386	0.862	0.386	0.862	0.000	0.000
178	0.000	0.000	0.386	0.862	0.386	0.862	0.386	0.862	0.000	0.000
179	0.000	0.386	0.386	0.862	0.386	0.862	0.386	0.862	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	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403	2680.403
1	2659.118	2648.029	2635.369	2642.921	2655.259	2668.934	2678.454
2	2647.643	2634.585	2622.878	2623.264	2640.168	2660.996	2671.687
3	2630.494	2636.707	2621.926	2621.385	2632.938	2654.397	2663.363
4	2630.494	2660.456	2633.414	2614.387	2624.216	2643.860	2656.365
5	2629.876	2687.254	2657.459	2609.112	2622.247	2640.721	2652.274
6	2619.803	2713.832	2675.855	2622.325	2636.707	2651.965	2641.738
7	2583.807	2727.662	2696.375	2639.075	2656.751	2670.825	2627.676
8	2506.142	2717.911	2711.864	2646.691	2675.624	2685.131	2620.678
9	2417.940	2689.852	2724.832	2658.166	2690.405	2698.896	2618.002
10	2336.506	2644.015	2728.846	2671.610	2697.713	2702.421	2620.601
11	2268.733	2583.730	2727.585	2677.592	2698.806	2702.035	2626.416
12	2221.815	2523.124	2715.633	2679.470	2690.791	2702.421	2639.692
13	2199.881	2498.127	2692.914	2674.054	2684.822	2706.435	2647.167
14	2200.434	2502.128	2676.885	2669.487	2673.424	2709.664	2653.059
15	2182.822	2518.955	2655.259	2669.886	2666.580	2711.941	2654.397
16	2129.214	2522.171	2628.294	2680.577	2661.472	2711.465	2654.474
17	2084.084	2506.065	2610.849	2693.853	2651.258	2704.312	2669.024
18	2058.534	2475.871	2618.632	2700.221	2646.935	2695.899	2692.206
19	2052.797	2432.954	2636.154	2698.099	2659.749	2690.714	2709.343
20	2050.918	2403.081	2657.626	2690.483	2673.810	2690.714	2718.695
21	2045.489	2394.745	2692.760	2696.606	2685.761	2702.421	2732.216
22	2037.475	2394.912	2714.694	2708.005	2699.051	2715.556	2737.877
23	2022.693	2404.728	2724.124	2722.709	2702.035	2720.355	2739.215
24	2006.341	2407.481	2709.741	2738.662	2694.805	2716.971	2722.478
25	1985.976	2406.774	2698.575	2743.460	2667.995	2699.913	2678.840
26	1961.765	2400.650	2690.161	2764.687	2650.782	2670.516	2637.569
27	1934.568	2398.373	2690.483	2777.025	2636.476	2627.355	2591.745
28	1912.016	2401.512	2691.821	2778.839	2635.923	2582.624	2548.827
29	1891.574	2401.113	2695.822	2765.871	2647.720	2536.953	2504.649
30	1881.822	2404.818	2694.651	2754.228	2654.088	2477.453	2469.348
31	1876.483	2428.078	2694.175	2756.595	2642.368	2424.694	2436.093
32	1877.899	2452.765	2693.699	2798.959	2621.308	2370.070	2402.773
33	1882.298	2475.240	2684.269	2846.829	2598.422	2323.448	2366.995
34	1882.298	2499.774	2671.854	2864.287	2578.224	2278.485	2339.413
35	1880.330	2515.340	2656.519	2859.411	2558.888	2243.506	2309.772
36	1871.916	2519.586	2639.615	2810.049	2548.673	2219.525	2271.487

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CANDELA TABULATION - (Cont.)

37	1862.718	2525.323	2630.262	2762.642	2539.398	2189.421	2226.061
38	1842.044	2524.294	2624.679	2729.939	2524.461	2162.225	2170.317
39	1806.833	2515.263	2619.340	2712.803	2506.618	2121.032	2088.651
40	1770.117	2496.468	2614.387	2704.004	2481.608	2065.610	2001.466
41	1745.673	2478.315	2614.233	2689.376	2453.151	2001.543	1927.570
42	1722.015	2464.009	2614.696	2679.548	2425.402	1927.107	1852.735
43	1701.418	2448.289	2605.343	2675.855	2402.219	1857.765	1786.712
44	1688.759	2428.631	2591.191	2676.254	2379.101	1785.207	1731.599
45	1677.914	2410.942	2577.130	2675.855	2343.736	1726.968	1690.174
46	1663.132	2391.452	2561.564	2691.267	2270.239	1678.622	1659.826
47	1637.428	2372.193	2547.014	2705.882	2200.665	1634.045	1657.626
48	1601.111	2356.073	2533.891	2723.262	2131.015	1608.495	1689.775
49	1555.994	2338.075	2529.878	2743.229	2064.825	1593.804	1810.525
50	1509.603	2306.157	2529.800	2761.548	2007.281	1612.985	1987.083
51	1455.519	2260.410	2531.614	2783.946	1963.965	1779.238	1955.641
52	1392.957	2213.633	2534.277	2800.606	1959.410	1916.172	1698.974
53	1320.322	2158.842	2520.216	2815.388	1961.057	1802.742	1453.718
54	1241.473	2092.266	2479.177	2816.571	1934.105	1562.117	1168.053
55	1165.455	2016.247	2425.569	2789.375	1889.927	1370.238	947.704
56	1096.988	1930.169	2352.857	2730.261	1900.296	1175.361	816.662
57	1040.228	1842.675	2265.903	2647.012	1958.626	1044.795	729.258
58	992.757	1765.794	2140.291	2556.842	1919.323	950.457	674.299
59	948.180	1688.914	2003.357	2448.366	1787.574	885.052	628.166
60	893.710	1609.126	1894.083	2299.005	1662.502	837.503	593.495
61	820.676	1511.263	1854.472	2097.927	1543.180	799.063	566.376
62	727.213	1395.942	1878.915	1959.256	1478.007	762.115	541.135
63	626.352	1286.590	1935.752	1911.617	1447.903	732.088	521.645
64	541.303	1193.680	1949.826	1887.959	1418.970	706.693	494.925
65	487.051	1103.510	1881.192	1902.265	1374.560	683.266	469.838
66	459.701	1009.262	1751.257	1908.787	1327.230	659.608	439.258
67	434.305	914.770	1552.211	1834.814	1264.746	636.734	433.842
68	399.017	816.907	1316.231	1691.281	1178.899	608.200	418.584
69	355.701	721.308	1231.258	1523.832	1081.975	584.606	411.599
70	316.862	640.426	1259.870	1275.977	963.669	562.684	396.032
71	287.388	586.111	1288.957	991.496	846.226	543.258	380.852
72	266.792	518.660	1206.571	865.253	746.394	526.199	371.576
73	257.040	434.858	1060.361	830.659	672.498	510.478	353.269
74	243.365	370.328	933.012	838.442	650.963	479.435	341.318
75	225.676	335.503	861.239	810.847	630.597	449.241	333.059
76	202.493	305.708	837.503	714.155	599.079	406.170	333.457
77	177.419	261.131	622.029	568.100	549.948	376.452	329.058
78	158.946	219.552	467.561	478.651	477.866	354.054	253.348
79	151.394	191.571	425.030	475.820	406.247	321.274	179.143
80	147.856	175.606	350.979	421.183	343.994	285.497	131.904
81	143.611	156.823	302.479	322.690	312.861	218.922	125.921
82	127.581	128.752	256.101	303.894	302.016	162.715	133.074
83	90.556	95.509	200.049	272.452	281.574	133.164	76.958
84	59.269	63.668	150.763	171.206	238.811	117.199	39.135
85	34.658	45.902	107.370	126.397	193.449	86.388	31.274
86	28.367	38.595	86.774	116.723	165.314	46.764	21.767
87	26.952	36.227	71.220	98.172	136.226	31.442	13.753
88	23.337	33.011	53.994	70.345	106.663	25.305	8.246
89	14.216	22.089	35.842	51.871	75.067	14.614	3.216
90	6.754	14.139	26.643	38.517	43.380	6.831	0.000
91	0.000	4.400	15.245	23.260	19.567	0.386	0.000
92	0.000	0.862	7.384	8.478	6.600	0.000	0.000

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CANDELA TABULATION - (Cont.)

93	0.000	0.386	1.325	1.402	0.154	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.386	0.000	0.000	0.000	0.000	0.000
96	0.000	0.862	0.000	0.000	0.000	0.000	0.000
97	0.000	0.862	0.000	0.000	0.000	0.000	0.000
98	0.386	0.862	0.000	0.000	0.000	0.000	0.000
99	0.000	1.248	0.000	0.000	0.000	0.000	0.000
100	0.000	0.862	0.000	0.000	0.000	0.000	0.000
101	0.000	0.862	0.000	0.000	0.000	0.000	0.000
102	0.386	0.862	0.000	0.000	0.000	0.000	0.000
103	1.248	0.862	0.000	0.000	0.000	0.000	0.000
104	0.862	0.862	0.000	0.000	0.000	0.000	0.000
105	1.248	0.862	0.000	0.000	0.000	0.000	0.000
106	1.248	0.862	0.000	0.000	0.000	0.000	0.000
107	1.248	0.862	0.000	0.000	0.000	0.000	0.000
108	1.248	0.862	0.000	0.000	0.000	0.000	0.000
109	1.248	0.862	0.000	0.000	0.000	0.000	0.000
110	1.248	0.862	0.000	0.000	0.000	0.000	0.000
111	1.248	0.862	0.000	0.000	0.000	0.000	0.000
112	1.248	0.862	0.000	0.000	0.000	0.000	0.000
113	1.248	0.862	0.000	0.000	0.000	0.000	0.000
114	1.248	0.862	0.000	0.000	0.000	0.000	0.000
115	1.248	0.862	0.000	0.000	0.000	0.000	0.000
116	1.248	0.862	0.000	0.000	0.000	0.000	0.000
117	1.248	0.862	0.000	0.000	0.000	0.000	0.000
118	1.248	0.862	0.000	0.000	0.000	0.000	0.000
119	1.248	0.862	0.000	0.000	0.000	0.000	0.000
120	1.248	0.862	0.000	0.000	0.000	0.000	0.000
121	1.248	0.862	0.000	0.000	0.000	0.000	0.000
122	1.248	0.862	0.000	0.000	0.000	0.000	0.000
123	1.248	0.862	0.000	0.000	0.000	0.000	0.000
124	1.248	0.862	0.000	0.000	0.000	0.000	0.000
125	1.248	0.862	0.000	0.000	0.000	0.000	0.000
126	1.248	0.862	0.000	0.000	0.000	0.000	0.000
127	1.248	0.862	0.000	0.000	0.000	0.000	0.000
128	1.248	0.862	0.000	0.000	0.000	0.000	0.000
129	1.248	0.862	0.000	0.000	0.000	0.000	0.000
130	1.248	0.862	0.000	0.000	0.000	0.000	0.000
131	1.248	0.862	0.000	0.000	0.000	0.000	0.000
132	1.248	0.862	0.000	0.000	0.000	0.000	0.000
133	1.248	0.862	0.000	0.000	0.000	0.000	0.000
134	1.248	0.862	0.000	0.000	0.000	0.000	0.000
135	1.248	0.862	0.000	0.000	0.000	0.000	0.000
136	1.248	0.862	0.000	0.000	0.000	0.000	0.000
137	1.248	0.862	0.000	0.000	0.000	0.000	0.000
138	1.248	0.862	0.000	0.000	0.000	0.000	0.000
139	1.248	0.862	0.000	0.000	0.000	0.000	0.000
140	1.248	0.862	0.000	0.000	0.000	0.000	0.000
141	1.248	0.862	0.000	0.000	0.000	0.000	0.000
142	1.248	0.862	0.000	0.000	0.000	0.000	0.000
143	1.248	0.862	0.000	0.000	0.000	0.000	0.000
144	1.248	0.862	0.000	0.000	0.000	0.000	0.000
145	0.862	0.862	0.000	0.000	0.000	0.000	0.000
146	0.862	0.862	0.000	0.000	0.000	0.000	0.000
147	0.862	1.248	0.000	0.000	0.000	0.000	0.000
148	0.862	0.386	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

149	0.862	0.862	0.000	0.000	0.000	0.000	0.000
150	0.862	0.386	0.000	0.000	0.000	0.000	0.000
151	0.862	0.386	0.000	0.000	0.000	0.000	0.000
152	0.862	0.386	0.000	0.000	0.000	0.000	0.000
153	0.862	0.386	0.862	0.000	0.000	0.000	0.000
154	0.862	0.386	0.386	0.000	0.000	0.000	0.000
155	0.862	0.386	0.386	0.386	0.000	0.000	0.000
156	0.862	0.386	1.248	0.862	0.000	0.000	0.000
157	0.862	0.386	0.862	0.386	0.000	0.000	0.000
158	0.862	0.386	0.862	0.386	0.000	0.000	0.000
159	0.862	0.386	0.862	0.386	0.000	0.000	0.000
160	0.862	0.386	0.862	0.386	0.000	0.000	0.000
161	0.862	0.386	0.862	0.386	0.000	0.000	0.000
162	0.862	0.386	0.862	0.386	0.000	0.000	0.000
163	0.862	0.386	0.862	0.386	0.000	0.000	0.000
164	0.862	0.386	0.862	0.386	0.000	0.000	0.000
165	0.862	0.386	0.862	0.386	0.000	0.000	0.000
166	0.862	0.386	0.862	0.386	0.000	0.000	0.000
167	0.862	0.386	0.862	0.386	0.000	0.000	0.000
168	0.862	0.386	0.862	0.386	0.000	0.000	0.000
169	0.862	0.386	0.862	0.386	0.000	0.000	0.000
170	0.862	0.386	0.862	0.386	0.000	0.000	0.000
171	0.862	0.386	0.862	0.386	0.386	0.000	0.000
172	0.862	0.386	0.862	0.386	0.386	0.000	0.000
173	0.862	0.386	0.862	0.386	0.386	0.000	0.000
174	0.862	0.386	0.862	0.386	0.386	0.000	0.000
175	0.862	0.386	0.862	0.386	0.862	0.000	0.000
176	0.862	0.386	0.862	0.386	1.248	0.000	0.000
177	1.248	0.386	0.862	0.386	0.862	0.000	0.000
178	0.386	0.386	0.862	0.386	0.862	0.000	0.000
179	0.386	0.386	0.862	0.386	0.862	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	950.53	12.10	12.10
0-30	2027.3	25.80	25.80
0-40	3353.02	42.70	42.70
0-60	6224.36	79.20	79.20
0-80	7723.7	98.30	98.30
0-90	7854.22	99.90	99.90
10-90	7604.81	96.70	96.70
20-40	2402.49	30.60	30.60
20-50	3853.51	49.00	49.00
40-70	3866.73	49.20	49.20
60-80	1499.33	19.10	19.10
70-80	503.95	6.40	6.40
80-90	130.52	1.70	1.70
90-110	4.59	0.10	0.10
90-120	4.93	0.10	0.10
90-130	5.30	0.10	0.10
90-150	5.88	0.10	0.10
90-180	6.22	0.10	0.10
110-180	1.63	0.00	0.00
0-180	7860.44	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	249.41
10-20	701.12
20-30	1076.77
30-40	1325.72
40-50	1451.02
50-60	1420.33
60-70	995.39
70-80	503.95
80-90	130.52
90-100	4.27
100-110	0.32
110-120	0.34
120-130	0.37
130-140	0.33
140-150	0.25
150-160	0.18
160-170	0.12
170-180	0.04

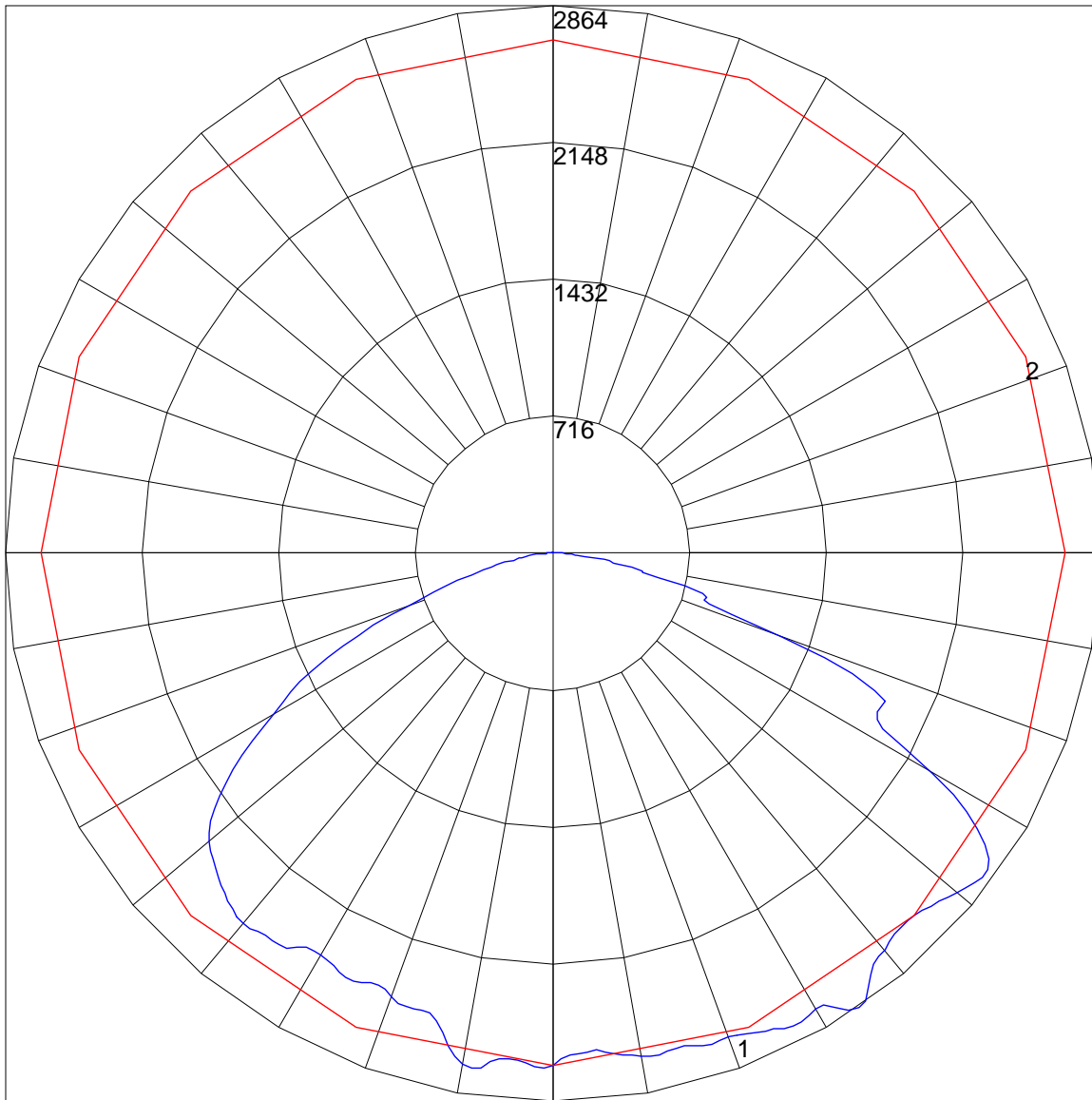
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2864.287 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)