



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-10A-3500°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 - 3500°K  
 [BALLAST] -  
 [BALLASTCAT] -

### CHARACTERISTICS

Lumens Per Lamp	7047 (1 lamp)
Total Lamp Lumens	7047
Luminaire Lumens	7047
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	98
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	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874
1	2401.127	2401.761	2409.442	2409.788	2415.428	2414.228	2410.641	2405.775	2404.437	2393.584
2	2395.061	2397.390	2408.739	2402.961	2409.869	2409.938	2399.720	2390.055	2388.937	2378.569
3	2387.599	2386.676	2395.845	2383.505	2395.130	2394.357	2381.325	2360.531	2363.288	2359.828
4	2381.325	2375.120	2382.663	2366.874	2374.140	2379.630	2364.833	2325.575	2339.530	2335.655
5	2377.658	2368.985	2373.287	2356.241	2364.268	2376.954	2346.231	2294.287	2312.405	2323.684
6	2368.212	2364.475	2372.721	2352.781	2367.647	2381.821	2334.248	2262.790	2258.985	2288.797
7	2355.607	2357.152	2379.491	2352.008	2382.098	2401.900	2321.354	2202.889	2181.611	2224.524
8	2349.333	2354.188	2390.482	2351.939	2402.107	2435.587	2288.370	2152.363	2123.750	2168.152
9	2346.934	2354.188	2397.598	2350.740	2420.294	2443.695	2232.701	2119.599	2090.144	2128.191
10	2349.264	2360.670	2403.030	2351.939	2442.276	2431.850	2166.387	2083.870	2075.693	2085.842
11	2354.477	2369.135	2406.617	2357.579	2456.023	2402.741	2102.472	2037.565	2027.209	2023.541
12	2366.378	2376.389	2409.788	2361.304	2448.907	2360.035	2048.983	1977.595	1965.624	1945.960
13	2373.079	2378.153	2409.511	2362.573	2438.193	2305.635	2006.208	1927.496	1928.061	1901.778
14	2378.361	2385.338	2409.511	2363.772	2424.516	2260.322	1973.581	1890.637	1892.678	1873.661
15	2379.560	2396.617	2398.024	2359.759	2405.844	2230.164	1965.693	1861.182	1857.099	1855.047
16	2379.630	2407.251	2384.070	2359.332	2380.402	2226.635	1949.627	1841.519	1820.171	1835.948
17	2392.673	2413.882	2372.721	2360.958	2356.310	2233.612	1904.315	1825.592	1780.706	1813.690
18	2413.455	2418.738	2362.723	2364.556	2334.675	2236.299	1867.029	1808.119	1743.143	1789.586
19	2428.817	2424.446	2355.318	2375.259	2321.354	2230.729	1847.297	1789.586	1702.271	1758.159
20	2437.202	2424.169	2354.892	2385.200	2321.354	2213.326	1834.264	1762.945	1656.820	1717.990
21	2449.323	2417.757	2354.477	2388.164	2321.066	2190.560	1825.811	1720.308	1595.938	1670.913
22	2454.397	2412.890	2337.985	2387.103	2327.766	2182.672	1815.028	1669.149	1518.910	1616.225
23	2455.596	2411.137	2319.947	2387.449	2365.537	2187.954	1802.549	1611.300	1434.409	1557.672
24	2440.592	2405.567	2308.945	2395.061	2396.191	2202.404	1790.924	1547.454	1337.453	1490.367
25	2401.473	2401.404	2293.168	2400.354	2392.881	2214.029	1776.900	1481.140	1227.372	1420.397
26	2364.475	2393.088	2287.102	2415.716	2392.593	2214.941	1760.339	1403.409	1109.333	1350.911
27	2323.395	2375.120	2284.991	2412.325	2394.922	2207.398	1741.736	1324.478	999.540	1290.168
28	2284.922	2351.513	2282.166	2379.987	2393.654	2192.601	1722.361	1253.874	900.957	1237.520
29	2245.318	2320.155	2276.953	2357.429	2384.427	2180.976	1700.368	1188.194	815.049	1178.046
30	2213.672	2282.523	2271.740	2347.211	2360.889	2177.736	1684.649	1125.894	736.476	1114.061
31	2183.860	2242.643	2262.860	2334.536	2354.546	2176.259	1674.650	1070.156	668.894	1050.285
32	2153.990	2197.814	2253.068	2322.127	2356.864	2180.411	1674.650	1012.019	625.415	994.754
33	2121.917	2153.920	2239.321	2322.969	2371.107	2204.653	1675.423	956.834	589.478	943.444
34	2097.190	2115.862	2224.663	2346.231	2371.810	2231.294	1675.065	908.569	559.389	897.013
35	2070.619	2083.870	2202.889	2373.713	2361.304	2241.651	1674.650	860.581	535.712	851.908
36	2036.297	2050.609	2194.078	2389.848	2343.486	2241.293	1674.154	818.855	513.650	809.836
37	1995.574	2014.592	2186.120	2386.676	2329.531	2243.911	1670.002	778.755	497.019	764.881
38	1945.603	1975.207	2175.268	2363.634	2317.756	2252.711	1656.047	740.916	481.162	717.239
39	1872.392	1922.283	2156.873	2337.558	2308.945	2262.018	1637.652	704.207	464.116	677.774
40	1794.234	1863.154	2134.822	2325.725	2301.691	2264.059	1611.508	667.625	450.231	638.666
41	1727.989	1800.081	2114.386	2329.462	2292.314	2259.123	1585.224	634.087	434.800	606.247
42	1660.903	1724.610	2091.412	2344.824	2280.759	2245.883	1559.148	605.336	419.922	578.695
43	1601.716	1656.532	2062.234	2346.646	2269.341	2233.543	1538.078	581.797	407.317	561.154
44	1552.309	1585.501	2023.691	2341.364	2261.245	2218.816	1524.481	561.154	397.168	546.565
45	1515.174	1521.794	1973.789	2333.475	2253.702	2205.714	1508.692	545.642	388.565	532.541
46	1487.968	1471.556	1923.125	2331.215	2242.712	2184.644	1494.242	534.651	381.022	519.855
47	1485.996	1432.229	1873.372	2337.212	2233.474	2162.443	1478.603	523.303	373.699	509.279
48	1514.816	1416.164	1815.028	2343.267	2220.788	2144.544	1462.884	513.511	365.095	504.631
49	1623.063	1413.489	1736.235	2345.804	2203.811	2124.673	1447.245	505.196	359.179	498.357
50	1781.340	1435.828	1647.375	2345.458	2194.435	2103.879	1427.582	500.687	355.442	493.421
51	1753.154	1566.057	1586.631	2341.156	2186.893	2078.588	1396.639	497.792	350.299	489.835
52	1523.062	1692.341	1546.670	2336.993	2181.749	2036.585	1356.055	495.047	349.526	483.491
53	1303.200	1614.045	1532.865	2334.040	2184.575	1988.874	1302.704	491.380	349.099	474.473

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**CANDELA TABULATION - (Cont.)**

54	1047.113	1386.709	1530.605	2325.437	2194.712	1931.579	1237.659	487.574	349.526	463.759
55	849.579	1194.745	1529.405	2316.706	2200.421	1872.530	1169.096	479.893	349.953	453.045
56	732.105	1004.615	1542.160	2324.872	2185.912	1810.726	1100.948	464.820	351.636	442.123
57	653.751	884.258	1606.006	2302.682	2138.201	1741.310	1035.488	448.397	355.661	422.886
58	604.483	797.785	1574.083	2273.147	2073.859	1661.329	971.988	424.997	360.171	403.719
59	563.126	751.699	1467.324	2224.882	1993.521	1586.135	917.230	403.650	370.527	389.902
60	532.045	709.558	1346.817	2150.530	1908.605	1516.085	876.992	389.130	380.249	382.360
61	507.734	676.367	1222.931	2059.132	1807.416	1450.336	835.070	381.022	391.171	381.172
62	485.106	643.671	1139.641	1913.184	1706.077	1390.515	777.706	377.366	390.687	376.236
63	467.634	609.280	1089.531	1784.938	1603.400	1330.325	697.645	371.023	387.019	360.171
64	443.680	579.399	1053.525	1692.122	1538.147	1258.383	611.610	356.930	376.098	335.790
65	421.191	553.184	1026.250	1550.337	1524.123	1167.193	530.569	336.344	358.268	312.390
66	393.777	526.267	1010.681	1420.535	1553.866	1075.161	461.083	315.066	354.035	297.374
67	388.922	511.539	1000.036	1310.247	1528.356	989.322	424.017	299.842	360.448	299.208
68	375.244	497.942	979.807	1251.337	1408.910	906.378	407.801	296.602	365.660	308.377
69	368.982	481.589	960.709	1275.429	1264.726	808.568	375.106	296.175	355.869	306.393
70	355.027	460.161	912.306	1218.918	1105.815	725.058	330.220	285.403	329.586	287.156
71	341.418	446.563	836.616	1105.112	964.446	652.402	289.209	254.530	298.366	256.156
72	333.103	425.216	749.727	991.929	877.626	587.783	257.136	225.433	269.407	241.359
73	316.692	410.904	670.520	842.324	896.794	532.391	238.961	221.903	232.410	248.752
74	305.978	398.575	599.339	695.673	927.172	465.523	223.241	237.058	185.194	267.147
75	298.574	377.366	545.504	583.274	857.409	392.578	213.242	253.688	144.668	254.322
76	298.931	354.174	503.720	558.397	737.179	331.350	203.935	239.099	140.655	206.115
77	294.987	320.913	476.941	578.061	629.786	295.691	186.740	188.781	151.149	143.123
78	227.116	300.408	446.840	542.125	570.807	268.208	167.780	130.229	148.543	96.887
79	160.595	283.500	415.344	468.545	490.181	227.681	145.026	93.716	130.782	87.027
80	118.246	255.798	373.560	382.014	373.410	188.574	127.899	92.516	109.781	93.151
81	112.883	197.800	323.739	331.200	380.388	161.933	128.176	102.527	94.777	93.301
82	119.296	150.308	280.179	328.386	391.875	144.241	122.963	97.383	81.318	85.689
83	68.989	106.056	250.516	281.528	310.487	128.395	112.883	80.188	38.543	72.080
84	35.083	100.555	233.679	228.812	226.205	107.601	91.109	60.109	10.218	60.524
85	28.036	79.127	202.171	219.505	162.071	78.712	59.544	52.913	0.000	53.478
86	19.514	41.149	162.152	193.221	122.963	54.043	37.839	51.932	0.000	39.454
87	12.329	27.967	128.107	134.173	92.943	37.770	26.422	41.149	0.000	24.380
88	7.393	21.982	103.796	99.355	74.479	31.289	24.092	25.153	0.000	15.708
89	2.883	15.073	87.096	91.813	64.619	30.435	22.328	15.281	0.000	10.702
90	0.000	8.949	59.406	75.886	55.035	24.946	14.797	7.116	0.000	0.773
91	0.000	2.814	38.612	50.099	41.507	15.777	6.412	0.000	0.000	0.000
92	0.000	0.069	16.134	29.939	29.524	8.027	0.000	0.000	0.000	0.000
93	0.000	0.000	4.786	15.281	16.907	0.773	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	3.241	6.262	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	0.346	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.346	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	1.119	0.773	0.346	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.773	0.346	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.773	1.188	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.773	0.773	0.773	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.773	0.773	0.773	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.773	0.773	1.188	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.346
106	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

110	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.346
124	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.000	0.000	0.773
125	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.346	0.000	0.773
126	0.000	0.000	0.000	0.000	1.119	0.773	1.188	1.119	0.000	0.773
127	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.773
128	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.773
129	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.773
130	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
131	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
132	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
133	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
134	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
135	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
136	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
137	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
138	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
139	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
140	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
141	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
142	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
143	0.000	0.000	0.000	0.000	1.119	0.773	1.188	0.773	0.000	0.346
144	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.000	0.773
145	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
146	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
147	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
148	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
149	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
150	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
151	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
152	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.346
153	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
154	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
155	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
156	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
157	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
158	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
159	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
160	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
161	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
162	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
163	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
164	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
165	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-3500°K-P.IES**

**CANDELA TABULATION - (Cont.)**

166	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
167	0.000	0.000	0.000	0.000	1.119	0.773	0.773	0.773	0.346	0.000
168	0.000	0.000	0.000	0.000	0.773	0.773	0.773	0.773	0.346	0.000
169	0.000	0.000	0.000	0.000	0.773	0.773	0.773	0.773	0.346	0.000
170	0.000	0.000	0.000	0.000	0.773	0.773	0.773	0.773	0.346	0.000
171	0.000	0.000	0.000	0.000	0.773	0.773	0.346	0.773	0.346	0.000
172	0.000	0.000	0.346	0.000	0.773	0.773	0.346	0.773	0.346	0.000
173	0.000	0.000	0.346	0.000	0.773	0.773	0.346	0.773	0.346	0.000
174	0.000	0.000	0.346	0.000	1.119	0.773	0.346	0.773	0.346	0.000
175	0.000	0.000	0.346	0.000	0.346	0.773	0.346	0.773	0.000	0.000
176	0.000	0.000	0.346	0.000	0.346	0.773	0.346	0.773	0.000	0.000
177	0.000	0.000	0.346	0.000	0.346	0.773	0.346	0.773	0.000	0.000
178	0.000	0.000	0.346	0.773	0.346	0.773	0.346	0.773	0.000	0.000
179	0.000	0.346	0.346	0.773	0.346	0.773	0.346	0.773	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	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874	2402.874
1	2383.793	2373.852	2362.503	2369.273	2380.333	2392.593	2401.127
2	2373.506	2361.800	2351.305	2351.651	2366.805	2385.477	2395.061
3	2358.132	2363.703	2350.452	2349.967	2360.324	2379.560	2387.599
4	2358.132	2384.992	2360.750	2343.693	2352.504	2370.115	2381.325
5	2357.579	2409.015	2382.305	2338.965	2350.740	2367.301	2377.658
6	2348.549	2432.842	2398.797	2350.809	2363.703	2377.381	2368.212
7	2316.280	2445.240	2417.192	2365.825	2381.671	2394.288	2355.607
8	2246.656	2436.498	2431.078	2372.652	2398.590	2407.112	2349.333
9	2167.587	2411.345	2442.703	2382.940	2411.841	2419.453	2346.934
10	2094.584	2370.253	2446.301	2394.991	2418.392	2422.613	2349.264
11	2033.829	2316.210	2445.171	2400.354	2419.372	2422.267	2354.477
12	1991.769	2261.879	2434.457	2402.038	2412.187	2422.613	2366.378
13	1972.105	2239.471	2414.090	2397.183	2406.836	2426.211	2373.079
14	1972.601	2243.058	2399.720	2393.088	2396.617	2429.106	2378.361
15	1956.812	2258.143	2380.333	2393.446	2390.482	2431.147	2379.560
16	1908.755	2261.026	2356.160	2403.030	2385.904	2430.720	2379.630
17	1868.298	2246.587	2340.522	2414.932	2376.746	2424.308	2392.673
18	1845.394	2219.519	2347.499	2420.640	2372.871	2416.765	2413.455
19	1840.250	2181.046	2363.207	2418.738	2384.358	2412.118	2428.817
20	1838.566	2154.266	2382.455	2411.910	2396.964	2412.118	2437.202
21	1833.699	2146.793	2413.951	2417.400	2407.677	2422.613	2449.323
22	1826.514	2146.943	2433.615	2427.618	2419.591	2434.388	2454.397
23	1813.263	2155.743	2442.068	2440.800	2422.267	2438.689	2455.596
24	1798.605	2158.210	2429.175	2455.101	2415.785	2435.656	2440.592
25	1780.348	2157.576	2419.164	2459.402	2391.751	2420.364	2401.473
26	1758.644	2152.087	2411.622	2478.431	2376.320	2394.011	2364.475
27	1734.263	2150.045	2411.910	2489.492	2363.495	2355.318	2323.395
28	1714.046	2152.859	2413.109	2491.118	2362.999	2315.219	2284.922
29	1695.720	2152.502	2416.696	2479.493	2373.575	2274.277	2245.318
30	1686.979	2155.823	2415.647	2469.055	2379.284	2220.938	2213.672
31	1682.192	2176.675	2415.220	2471.177	2368.777	2173.641	2183.860
32	1683.461	2198.806	2414.793	2509.155	2349.898	2124.673	2153.990
33	1687.405	2218.954	2406.340	2552.069	2329.381	2082.878	2121.917
34	1687.405	2240.947	2395.210	2567.719	2311.274	2042.571	2097.190
35	1685.641	2254.902	2381.463	2563.348	2293.941	2011.213	2070.619
36	1678.098	2258.708	2366.309	2519.096	2284.783	1989.716	2036.297

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

37	1669.852	2263.851	2357.925	2476.598	2276.468	1962.729	1995.574
38	1651.319	2262.929	2352.920	2447.281	2263.079	1938.348	1945.603
39	1619.754	2254.833	2348.133	2431.920	2247.083	1901.420	1872.392
40	1586.839	2237.983	2343.693	2424.031	2224.663	1851.737	1794.234
41	1564.926	2221.710	2343.555	2410.918	2199.152	1794.303	1727.989
42	1543.717	2208.886	2343.970	2402.107	2174.276	1727.574	1660.903
43	1525.253	2194.793	2335.586	2398.797	2153.494	1665.412	1601.716
44	1513.905	2177.171	2322.900	2399.155	2132.769	1600.367	1552.309
45	1504.183	2161.313	2310.294	2398.797	2101.065	1548.158	1515.174
46	1490.932	2143.841	2296.339	2412.614	2035.178	1504.817	1487.968
47	1467.889	2126.576	2283.296	2425.715	1972.808	1464.856	1485.996
48	1435.332	2112.125	2271.532	2441.296	1910.370	1441.952	1514.816
49	1394.886	2095.991	2267.934	2459.195	1851.033	1428.781	1623.063
50	1353.299	2067.378	2267.865	2475.617	1799.447	1445.977	1781.340
51	1304.815	2026.367	2269.491	2495.696	1760.616	1595.016	1753.154
52	1248.730	1984.434	2271.878	2510.631	1756.533	1717.771	1523.062
53	1183.616	1935.315	2259.273	2523.882	1758.009	1616.086	1303.200
54	1112.931	1875.633	2222.483	2524.943	1733.848	1400.376	1047.113
55	1044.784	1807.485	2174.426	2500.563	1694.244	1228.363	849.579
56	983.406	1730.319	2109.242	2447.570	1703.540	1053.664	732.105
57	932.523	1651.884	2031.292	2372.941	1755.830	936.617	653.751
58	889.967	1582.964	1918.685	2292.107	1720.597	852.047	604.483
59	850.005	1514.043	1795.929	2194.862	1602.489	793.414	563.126
60	801.175	1442.517	1697.969	2060.966	1490.367	750.788	532.045
61	735.703	1354.786	1662.460	1880.707	1383.399	716.328	507.734
62	651.917	1251.406	1684.372	1756.395	1324.974	683.206	485.106
63	561.500	1153.377	1735.324	1713.689	1297.987	656.288	467.634
64	485.256	1070.087	1747.941	1692.480	1272.050	633.522	443.680
65	436.622	989.253	1686.413	1705.304	1232.238	612.521	421.191
66	412.103	904.763	1569.932	1711.151	1189.809	591.312	393.777
67	389.337	820.055	1391.495	1644.837	1133.794	570.807	388.922
68	357.703	732.324	1179.948	1516.165	1056.835	545.227	375.244
69	318.872	646.624	1103.774	1366.054	969.947	524.076	368.982
70	284.054	574.117	1129.423	1143.862	863.891	504.424	355.027
71	257.632	525.425	1155.499	888.836	758.607	487.009	341.418
72	239.168	464.958	1081.642	775.665	669.113	471.716	333.103
73	230.426	389.833	950.572	744.653	602.868	457.623	316.692
74	218.167	331.985	836.408	751.630	583.562	429.795	305.978
75	202.309	300.765	772.066	726.892	565.305	402.727	298.574
76	181.527	274.055	750.788	640.211	537.050	364.115	298.931
77	159.049	234.094	557.625	509.279	493.006	337.474	294.987
78	142.488	196.819	419.150	429.091	428.388	317.395	227.116
79	135.718	171.736	381.022	426.554	364.184	288.010	160.595
80	132.547	157.423	314.639	377.574	308.377	255.937	118.246
81	128.741	140.585	271.160	289.278	280.467	196.254	112.883
82	114.371	115.421	229.584	272.429	270.745	145.867	119.296
83	81.180	85.620	179.336	244.243	252.419	119.376	68.989
84	53.132	57.076	135.153	153.479	214.084	105.064	35.083
85	31.070	41.149	96.253	113.310	173.419	77.443	28.036
86	25.430	34.599	77.789	104.638	148.197	41.922	19.514
87	24.161	32.477	63.846	88.007	122.121	28.186	12.329
88	20.921	29.593	48.403	63.062	95.619	22.685	7.393
89	12.744	19.802	32.130	46.500	67.294	13.101	2.883
90	6.055	12.675	23.885	34.529	38.889	6.124	0.000
91	0.000	3.944	13.666	20.851	17.541	0.346	0.000
92	0.000	0.773	6.620	7.600	5.916	0.000	0.000

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

93	0.000	0.346	1.188	1.257	0.138	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.346	0.000	0.000	0.000	0.000	0.000
96	0.000	0.773	0.000	0.000	0.000	0.000	0.000
97	0.000	0.773	0.000	0.000	0.000	0.000	0.000
98	0.346	0.773	0.000	0.000	0.000	0.000	0.000
99	0.000	1.119	0.000	0.000	0.000	0.000	0.000
100	0.000	0.773	0.000	0.000	0.000	0.000	0.000
101	0.000	0.773	0.000	0.000	0.000	0.000	0.000
102	0.346	0.773	0.000	0.000	0.000	0.000	0.000
103	1.119	0.773	0.000	0.000	0.000	0.000	0.000
104	0.773	0.773	0.000	0.000	0.000	0.000	0.000
105	1.119	0.773	0.000	0.000	0.000	0.000	0.000
106	1.119	0.773	0.000	0.000	0.000	0.000	0.000
107	1.119	0.773	0.000	0.000	0.000	0.000	0.000
108	1.119	0.773	0.000	0.000	0.000	0.000	0.000
109	1.119	0.773	0.000	0.000	0.000	0.000	0.000
110	1.119	0.773	0.000	0.000	0.000	0.000	0.000
111	1.119	0.773	0.000	0.000	0.000	0.000	0.000
112	1.119	0.773	0.000	0.000	0.000	0.000	0.000
113	1.119	0.773	0.000	0.000	0.000	0.000	0.000
114	1.119	0.773	0.000	0.000	0.000	0.000	0.000
115	1.119	0.773	0.000	0.000	0.000	0.000	0.000
116	1.119	0.773	0.000	0.000	0.000	0.000	0.000
117	1.119	0.773	0.000	0.000	0.000	0.000	0.000
118	1.119	0.773	0.000	0.000	0.000	0.000	0.000
119	1.119	0.773	0.000	0.000	0.000	0.000	0.000
120	1.119	0.773	0.000	0.000	0.000	0.000	0.000
121	1.119	0.773	0.000	0.000	0.000	0.000	0.000
122	1.119	0.773	0.000	0.000	0.000	0.000	0.000
123	1.119	0.773	0.000	0.000	0.000	0.000	0.000
124	1.119	0.773	0.000	0.000	0.000	0.000	0.000
125	1.119	0.773	0.000	0.000	0.000	0.000	0.000
126	1.119	0.773	0.000	0.000	0.000	0.000	0.000
127	1.119	0.773	0.000	0.000	0.000	0.000	0.000
128	1.119	0.773	0.000	0.000	0.000	0.000	0.000
129	1.119	0.773	0.000	0.000	0.000	0.000	0.000
130	1.119	0.773	0.000	0.000	0.000	0.000	0.000
131	1.119	0.773	0.000	0.000	0.000	0.000	0.000
132	1.119	0.773	0.000	0.000	0.000	0.000	0.000
133	1.119	0.773	0.000	0.000	0.000	0.000	0.000
134	1.119	0.773	0.000	0.000	0.000	0.000	0.000
135	1.119	0.773	0.000	0.000	0.000	0.000	0.000
136	1.119	0.773	0.000	0.000	0.000	0.000	0.000
137	1.119	0.773	0.000	0.000	0.000	0.000	0.000
138	1.119	0.773	0.000	0.000	0.000	0.000	0.000
139	1.119	0.773	0.000	0.000	0.000	0.000	0.000
140	1.119	0.773	0.000	0.000	0.000	0.000	0.000
141	1.119	0.773	0.000	0.000	0.000	0.000	0.000
142	1.119	0.773	0.000	0.000	0.000	0.000	0.000
143	1.119	0.773	0.000	0.000	0.000	0.000	0.000
144	1.119	0.773	0.000	0.000	0.000	0.000	0.000
145	0.773	0.773	0.000	0.000	0.000	0.000	0.000
146	0.773	0.773	0.000	0.000	0.000	0.000	0.000
147	0.773	1.119	0.000	0.000	0.000	0.000	0.000
148	0.773	0.346	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-3500°K-P.IES**

**CANDELA TABULATION - (Cont.)**

149	0.773	0.773	0.000	0.000	0.000	0.000	0.000
150	0.773	0.346	0.000	0.000	0.000	0.000	0.000
151	0.773	0.346	0.000	0.000	0.000	0.000	0.000
152	0.773	0.346	0.000	0.000	0.000	0.000	0.000
153	0.773	0.346	0.773	0.000	0.000	0.000	0.000
154	0.773	0.346	0.346	0.000	0.000	0.000	0.000
155	0.773	0.346	0.346	0.346	0.000	0.000	0.000
156	0.773	0.346	1.119	0.773	0.000	0.000	0.000
157	0.773	0.346	0.773	0.346	0.000	0.000	0.000
158	0.773	0.346	0.773	0.346	0.000	0.000	0.000
159	0.773	0.346	0.773	0.346	0.000	0.000	0.000
160	0.773	0.346	0.773	0.346	0.000	0.000	0.000
161	0.773	0.346	0.773	0.346	0.000	0.000	0.000
162	0.773	0.346	0.773	0.346	0.000	0.000	0.000
163	0.773	0.346	0.773	0.346	0.000	0.000	0.000
164	0.773	0.346	0.773	0.346	0.000	0.000	0.000
165	0.773	0.346	0.773	0.346	0.000	0.000	0.000
166	0.773	0.346	0.773	0.346	0.000	0.000	0.000
167	0.773	0.346	0.773	0.346	0.000	0.000	0.000
168	0.773	0.346	0.773	0.346	0.000	0.000	0.000
169	0.773	0.346	0.773	0.346	0.000	0.000	0.000
170	0.773	0.346	0.773	0.346	0.000	0.000	0.000
171	0.773	0.346	0.773	0.346	0.346	0.000	0.000
172	0.773	0.346	0.773	0.346	0.346	0.000	0.000
173	0.773	0.346	0.773	0.346	0.346	0.000	0.000
174	0.773	0.346	0.773	0.346	0.346	0.000	0.000
175	0.773	0.346	0.773	0.346	0.773	0.000	0.000
176	0.773	0.346	0.773	0.346	1.119	0.000	0.000
177	1.119	0.346	0.773	0.346	0.773	0.000	0.000
178	0.346	0.346	0.773	0.346	0.773	0.000	0.000
179	0.346	0.346	0.773	0.346	0.773	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-3500°K-P.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	852.11	12.10	12.10
0-30	1817.4	25.80	25.80
0-40	3005.85	42.70	42.70
0-60	5579.89	79.20	79.20
0-80	6923.99	98.30	98.30
0-90	7041.00	99.90	99.90
10-90	6817.41	96.70	96.70
20-40	2153.74	30.60	30.60
20-50	3454.52	49.00	49.00
40-70	3466.37	49.20	49.20
60-80	1344.09	19.10	19.10
70-80	451.77	6.40	6.40
80-90	117.01	1.70	1.70
90-110	4.11	0.10	0.10
90-120	4.42	0.10	0.10
90-130	4.75	0.10	0.10
90-150	5.27	0.10	0.10
90-180	5.57	0.10	0.10
110-180	1.46	0.00	0.00
0-180	7046.57	100.00	100.00

Total Luminaire Efficiency = 100.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	223.58
10-20	628.53
20-30	965.29
30-40	1188.45
40-50	1300.78
50-60	1273.27
60-70	892.32
70-80	451.77
80-90	117.01
90-100	3.83
100-110	0.29
110-120	0.31
120-130	0.33
130-140	0.29
140-150	0.22
150-160	0.16
160-170	0.11
170-180	0.03

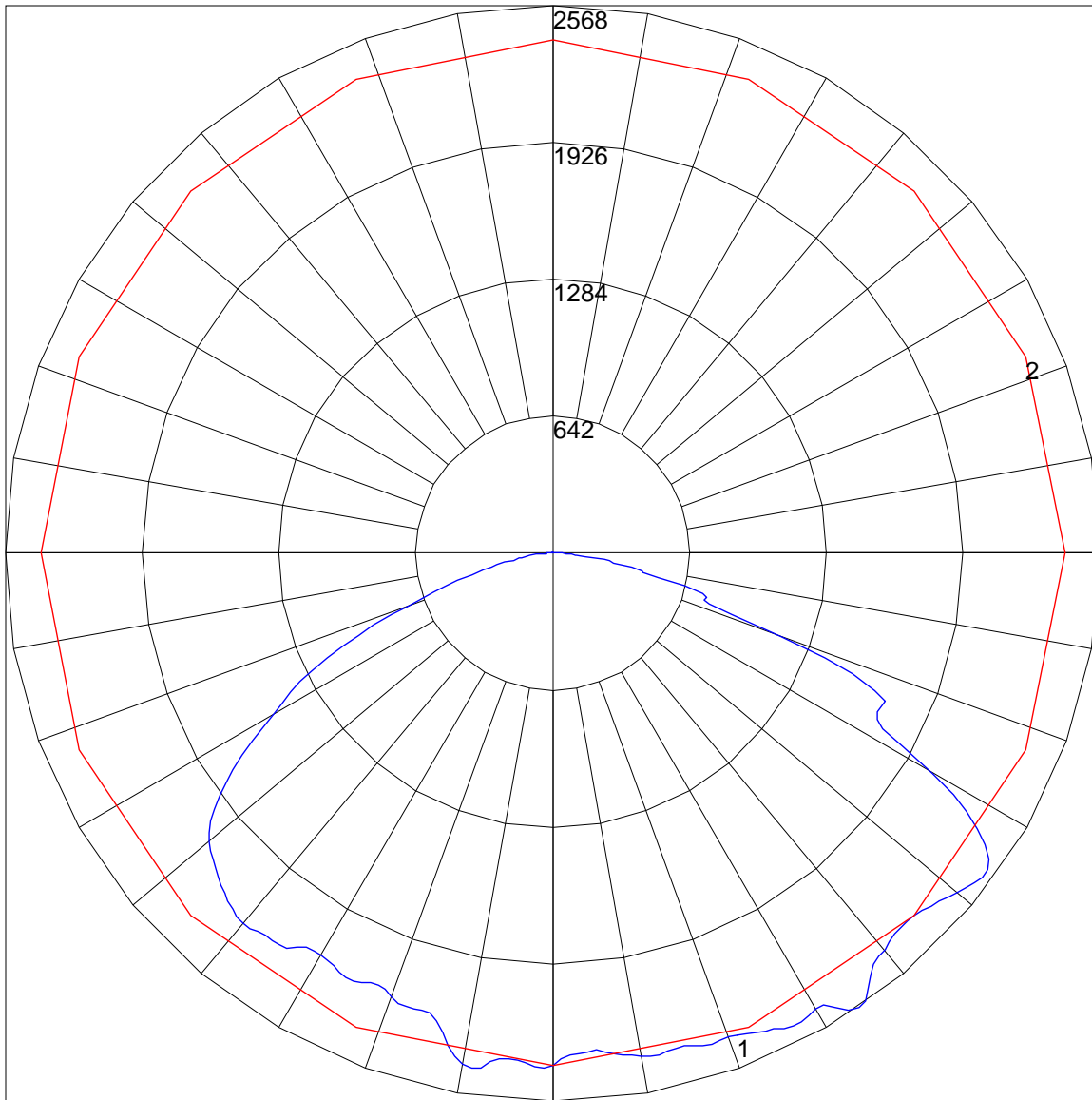
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-3500°K-P.IES**

**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 = 2567.719 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)