



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-10A-5700°K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] BEGHELLI

[TESTDATE] 2017-2-14

[ISSUEDATE] 2017-2-14 15:9:47

[NEARFIELD]

[LAMPPOSITION] "0,0"

[OTHER] BEGHELLI

[MANUFAC] BEGHELLI

[LUMCAT]

[LUMINAIRE] BLS-10A-5700°K

[OTHER] TOTAL LUMINAIRE WATTS REPRESENT LUMINAIRE POWER DELIVERY

### CHARACTERISTICS

Lumens Per Lamp	10185.7 (1 lamp)
Total Lamp Lumens	10185.7
Luminaire Lumens	8148
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	56.6
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	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455
1	2776.440	2777.168	2786.048	2786.448	2792.968	2791.576	2787.440	2781.808	2780.256	2767.720
2	2769.424	2772.120	2785.240	2778.560	2786.552	2786.632	2774.808	2763.624	2762.336	2750.344
3	2760.792	2759.728	2770.328	2756.064	2769.504	2768.608	2753.536	2729.504	2732.672	2728.672
4	2753.536	2746.368	2755.088	2736.824	2745.224	2751.584	2734.472	2689.064	2705.208	2700.728
5	2749.296	2739.272	2744.240	2724.536	2733.824	2748.480	2712.960	2652.888	2673.848	2686.888
6	2738.384	2734.064	2743.592	2720.536	2737.720	2754.104	2699.104	2616.480	2612.072	2646.552
7	2723.792	2725.592	2751.424	2719.632	2754.424	2777.328	2684.184	2547.216	2522.600	2572.232
8	2716.552	2722.160	2764.128	2719.552	2777.568	2816.280	2646.056	2488.776	2455.704	2507.040
9	2713.768	2722.160	2772.360	2718.168	2798.600	2825.656	2581.680	2450.904	2416.840	2460.832
10	2716.472	2729.664	2778.640	2719.552	2824.016	2811.960	2505.000	2409.584	2400.136	2411.872
11	2722.488	2739.440	2782.784	2726.080	2839.912	2778.304	2431.088	2356.056	2344.072	2339.832
12	2736.248	2747.832	2786.448	2730.392	2831.688	2728.912	2369.256	2286.696	2272.856	2250.120
13	2744.000	2749.864	2786.128	2731.848	2819.296	2666.016	2319.776	2228.768	2229.424	2199.040
14	2750.104	2758.176	2786.128	2733.232	2803.480	2613.616	2282.056	2186.160	2188.504	2166.512
15	2751.504	2771.216	2772.848	2728.592	2781.888	2578.752	2272.936	2152.096	2147.376	2144.992
16	2751.584	2783.520	2756.712	2728.104	2752.472	2574.672	2254.360	2129.360	2104.672	2122.912
17	2766.656	2791.176	2743.592	2729.992	2724.616	2582.744	2201.960	2110.936	2059.032	2097.176
18	2790.688	2796.800	2732.024	2734.152	2699.600	2585.840	2158.840	2090.736	2015.600	2069.304
19	2808.448	2803.400	2723.456	2746.528	2684.184	2579.400	2136.032	2069.304	1968.352	2032.960
20	2818.144	2803.080	2722.968	2758.016	2684.184	2559.288	2120.968	2038.496	1915.776	1986.520
21	2832.168	2795.656	2722.488	2761.448	2683.856	2532.944	2111.184	1989.192	1845.384	1932.072
22	2838.032	2790.040	2703.424	2760.224	2691.608	2523.824	2098.720	1930.048	1756.320	1868.832
23	2839.416	2788.008	2682.568	2760.624	2735.280	2529.944	2084.296	1863.144	1658.608	1801.144
24	2822.064	2781.568	2669.840	2769.424	2770.728	2546.656	2070.856	1789.320	1546.496	1723.304
25	2776.840	2776.760	2651.600	2775.536	2766.896	2560.096	2054.632	1712.648	1419.208	1642.400
26	2734.064	2767.136	2644.592	2793.312	2766.568	2561.152	2035.488	1622.768	1282.728	1562.048
27	2686.552	2746.368	2642.152	2789.392	2769.264	2552.424	2013.976	1531.488	1155.760	1491.824
28	2642.072	2719.056	2638.880	2751.992	2767.800	2535.312	1991.568	1449.848	1041.760	1430.952
29	2596.272	2682.808	2632.848	2725.912	2757.128	2521.872	1966.136	1373.904	942.432	1362.160
30	2559.688	2639.288	2626.816	2714.088	2729.912	2518.120	1947.968	1301.864	851.576	1288.184
31	2525.208	2593.176	2616.560	2699.440	2722.568	2516.424	1936.392	1237.408	773.424	1214.440
32	2490.672	2541.336	2605.232	2685.088	2725.256	2521.224	1936.392	1170.192	723.160	1150.232
33	2453.584	2490.592	2589.336	2686.064	2741.720	2549.248	1937.280	1106.376	681.600	1090.896
34	2424.992	2446.584	2572.392	2712.960	2742.544	2580.048	1936.872	1050.560	646.808	1037.200
35	2394.264	2409.584	2547.216	2744.736	2730.392	2592.032	1936.392	995.072	619.440	985.056
36	2354.568	2371.120	2537.016	2763.384	2709.776	2591.624	1935.824	946.832	593.920	936.408
37	2307.496	2329.488	2527.816	2759.728	2693.656	2594.640	1931.024	900.472	574.688	884.424
38	2249.712	2283.944	2515.264	2733.072	2680.024	2604.824	1914.888	856.720	556.352	829.336
39	2165.056	2222.744	2494.000	2702.936	2669.840	2615.584	1893.616	814.264	536.648	783.696
40	2074.672	2154.360	2468.504	2689.248	2661.456	2617.936	1863.384	771.968	520.584	738.472
41	1998.072	2081.432	2444.872	2693.576	2650.624	2612.232	1832.992	733.184	502.744	701.000
42	1920.496	1994.168	2418.312	2711.336	2637.248	2596.920	1802.840	699.944	485.536	669.136
43	1852.080	1915.448	2384.568	2713.440	2624.048	2582.664	1778.480	672.712	470.968	648.848
44	1794.944	1833.312	2340.000	2707.336	2614.688	2565.632	1762.752	648.848	459.224	631.976
45	1752.000	1759.656	2282.296	2698.216	2605.968	2550.488	1744.496	630.920	449.288	615.768
46	1720.536	1701.560	2223.712	2695.600	2593.256	2526.112	1727.784	618.208	440.560	601.096
47	1718.256	1656.080	2166.184	2702.536	2582.584	2500.440	1709.712	605.088	432.096	588.872
48	1751.592	1637.504	2098.720	2709.528	2567.912	2479.736	1691.536	593.760	422.152	583.488
49	1876.744	1634.416	2007.616	2712.472	2548.280	2456.768	1673.456	584.152	415.312	576.240
50	2059.768	1660.240	1904.864	2712.072	2537.424	2432.720	1650.704	578.928	410.992	570.528
51	2027.176	1810.832	1834.624	2707.096	2528.704	2403.480	1614.936	575.592	405.040	566.384
52	1761.120	1956.856	1788.408	2702.264	2522.760	2354.920	1568.008	572.408	404.136	559.048
53	1506.880	1866.328	1772.456	2698.864	2526.032	2299.744	1506.312	568.168	403.648	548.624

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**CANDELA TABULATION - (Cont.)**

54	1210.768	1603.456	1769.840	2688.904	2537.744	2233.488	1431.112	563.768	404.136	536.232
55	982.352	1381.480	1768.456	2678.816	2544.360	2165.216	1351.824	554.888	404.640	523.840
56	846.520	1161.624	1783.200	2688.256	2527.576	2093.744	1273.008	537.456	406.592	511.208
57	755.912	1022.464	1857.040	2662.600	2472.416	2013.480	1197.328	518.472	411.240	488.968
58	698.952	922.472	1820.112	2628.448	2398.008	1921.008	1123.904	491.408	416.448	466.808
59	651.128	869.192	1696.672	2572.640	2305.112	1834.048	1060.576	466.728	428.432	450.824
60	615.192	820.456	1557.320	2486.664	2206.920	1753.048	1014.064	449.936	439.672	442.112
61	587.072	782.064	1414.080	2380.984	2089.912	1677.016	965.584	440.560	452.296	440.736
62	560.912	744.272	1317.760	2212.224	1972.752	1607.856	899.248	436.336	451.736	435.032
63	540.712	704.504	1259.808	2063.928	1854.016	1538.256	806.680	429.000	447.496	416.448
64	513.024	669.952	1218.192	1956.608	1778.560	1455.056	707.192	412.696	434.872	388.264
65	487.008	639.640	1186.648	1792.648	1762.336	1349.624	613.488	388.904	414.248	361.192
66	455.304	608.504	1168.640	1642.560	1796.736	1243.208	533.136	364.296	409.360	343.832
67	449.696	591.472	1156.336	1515.032	1767.232	1143.944	490.280	346.688	416.768	345.960
68	433.880	575.760	1132.944	1446.904	1629.112	1048.048	471.528	342.944	422.800	356.552
69	426.640	556.848	1110.864	1474.784	1462.400	934.936	433.720	342.448	411.480	354.272
70	410.512	532.072	1054.880	1409.440	1278.656	838.376	381.816	329.992	381.088	332.024
71	394.768	516.344	967.376	1277.848	1115.184	754.368	334.392	294.296	344.984	296.184
72	385.160	491.672	866.896	1146.960	1014.792	679.648	297.312	260.648	311.496	279.072
73	366.184	475.120	775.320	973.976	1036.952	615.600	276.288	256.568	268.720	287.624
74	353.792	460.864	693.008	804.392	1072.072	538.264	258.120	274.104	214.136	308.888
75	345.224	436.336	630.760	674.432	991.416	453.928	246.552	293.320	167.264	294.056
76	345.640	409.520	582.432	645.656	852.400	383.120	235.800	276.448	162.624	238.312
77	341.080	371.064	551.464	668.392	728.208	341.888	215.912	218.272	174.744	165.464
78	262.600	347.344	516.664	626.848	660.016	310.112	193.992	150.568	171.752	112.008
79	185.680	327.792	480.248	541.768	566.784	263.248	167.680	108.352	151.208	100.616
80	136.712	295.768	431.936	441.712	431.760	218.032	147.864	106.952	126.920	107.688
81	130.512	228.704	374.320	382.944	439.832	187.216	148.184	118.536	109.576	107.872
82	137.920	173.776	323.952	379.704	453.112	166.776	142.168	112.592	94.008	99.072
83	79.752	122.616	289.648	325.512	359.000	148.448	130.512	92.704	44.552	83.328
84	40.552	116.248	270.192	264.560	261.552	124.400	105.336	69.488	11.792	69.968
85	32.408	91.480	233.752	253.800	187.376	91.000	68.832	61.160	0.000	61.824
86	22.552	47.560	187.488	223.416	142.168	62.472	43.728	60.032	0.000	45.600
87	14.248	32.328	148.104	155.128	107.448	43.648	30.528	47.560	0.000	28.176
88	8.520	25.392	120.000	114.864	86.104	36.168	27.848	29.064	0.000	18.152
89	3.312	17.400	100.696	106.144	74.704	35.168	25.792	17.640	0.000	12.352
90	0.000	10.336	68.672	87.728	63.616	28.824	17.080	8.200	0.000	0.888
91	0.000	3.232	44.632	57.912	47.984	18.232	7.392	0.000	0.000	0.000
92	0.000	0.064	18.648	34.592	34.112	9.264	0.000	0.000	0.000	0.000
93	0.000	0.000	5.528	17.640	19.536	0.888	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	3.720	7.224	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	0.384	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.384	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	1.288	0.888	0.384	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.888	0.384	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.888	1.368	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.888	0.888	0.888	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.888	0.888	0.888	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.888	0.888	1.368	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.384
106	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

110	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.384
124	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.000	0.000	0.888
125	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.384	0.000	0.888
126	0.000	0.000	0.000	0.000	1.288	0.888	1.368	1.288	0.000	0.888
127	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.888
128	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.888
129	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.888
130	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
131	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
132	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
133	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
134	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
135	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
136	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
137	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
138	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
139	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
140	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
141	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
142	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
143	0.000	0.000	0.000	0.000	1.288	0.888	1.368	0.888	0.000	0.384
144	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.000	0.888
145	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
146	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
147	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
148	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
149	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
150	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
151	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
152	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.384
153	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
154	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
155	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
156	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
157	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
158	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
159	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
160	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
161	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
162	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
163	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
164	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
165	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-5700°K.IES**

**CANDELA TABULATION - (Cont.)**

166	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
167	0.000	0.000	0.000	0.000	1.288	0.888	0.888	0.888	0.384	0.000
168	0.000	0.000	0.000	0.000	0.888	0.888	0.888	0.888	0.384	0.000
169	0.000	0.000	0.000	0.000	0.888	0.888	0.888	0.888	0.384	0.000
170	0.000	0.000	0.000	0.000	0.888	0.888	0.888	0.888	0.384	0.000
171	0.000	0.000	0.000	0.000	0.888	0.888	0.384	0.888	0.384	0.000
172	0.000	0.000	0.384	0.000	0.888	0.888	0.384	0.888	0.384	0.000
173	0.000	0.000	0.384	0.000	0.888	0.888	0.384	0.888	0.384	0.000
174	0.000	0.000	0.384	0.000	1.288	0.888	0.384	0.888	0.384	0.000
175	0.000	0.000	0.384	0.000	0.384	0.888	0.384	0.888	0.000	0.000
176	0.000	0.000	0.384	0.000	0.384	0.888	0.384	0.888	0.000	0.000
177	0.000	0.000	0.384	0.000	0.384	0.888	0.384	0.888	0.000	0.000
178	0.000	0.000	0.384	0.888	0.384	0.888	0.384	0.888	0.000	0.000
179	0.000	0.384	0.384	0.888	0.384	0.888	0.384	0.888	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	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455	2778.455
1	2756.392	2744.896	2731.768	2739.600	2752.392	2766.568	2776.440
2	2744.496	2730.960	2718.816	2719.216	2736.744	2758.336	2769.424
3	2726.720	2733.152	2717.840	2717.280	2729.264	2751.504	2760.792
4	2726.720	2757.776	2729.752	2710.016	2720.216	2740.576	2753.536
5	2726.080	2785.560	2754.664	2704.560	2718.168	2737.320	2749.296
6	2715.632	2813.104	2773.744	2718.248	2733.152	2748.976	2738.384
7	2678.328	2827.448	2795.008	2735.608	2753.936	2768.528	2723.792
8	2597.816	2817.336	2811.072	2743.512	2773.504	2783.360	2716.552
9	2506.384	2788.248	2824.512	2755.408	2788.832	2797.632	2713.768
10	2421.976	2740.736	2828.672	2769.344	2796.400	2801.280	2716.472
11	2351.728	2678.248	2827.368	2775.536	2797.528	2800.880	2722.488
12	2303.088	2615.424	2814.976	2777.488	2789.232	2801.280	2736.248
13	2280.352	2589.512	2791.416	2771.880	2783.040	2805.440	2744.000
14	2280.928	2593.656	2774.808	2767.136	2771.216	2808.784	2750.104
15	2262.672	2611.104	2752.392	2767.560	2764.128	2811.152	2751.504
16	2207.104	2614.432	2724.432	2778.640	2758.824	2810.656	2751.584
17	2160.328	2597.736	2706.344	2792.400	2748.240	2803.240	2766.656
18	2133.840	2566.440	2714.416	2799.000	2743.760	2794.520	2790.688
19	2127.880	2521.952	2732.584	2796.800	2757.048	2789.152	2808.448
20	2125.944	2490.992	2754.848	2788.912	2771.616	2789.152	2818.144
21	2120.304	2482.344	2791.256	2795.248	2784.008	2801.280	2832.168
22	2112.008	2482.520	2814.000	2807.072	2797.792	2814.896	2838.032
23	2096.680	2492.688	2823.776	2822.304	2800.880	2819.872	2839.416
24	2079.736	2495.552	2808.864	2838.848	2793.392	2816.360	2822.064
25	2058.624	2494.816	2797.288	2843.816	2765.592	2798.680	2776.840
26	2033.520	2488.456	2788.568	2865.824	2747.752	2768.208	2734.064
27	2005.328	2486.104	2788.912	2878.616	2732.912	2723.456	2686.552
28	1981.960	2489.360	2790.288	2880.504	2732.344	2677.104	2642.072
29	1960.768	2488.936	2794.440	2867.048	2744.576	2629.760	2596.272
30	1950.656	2492.776	2793.232	2854.984	2751.184	2568.080	2559.688
31	1945.112	2516.904	2792.728	2857.432	2739.032	2513.392	2525.208
32	1946.600	2542.496	2792.240	2901.344	2717.200	2456.768	2490.672
33	1951.160	2565.792	2782.464	2950.976	2693.464	2408.440	2453.584
34	1951.160	2591.224	2769.592	2969.072	2672.544	2361.832	2424.992
35	1949.104	2607.352	2753.696	2964.016	2652.488	2325.576	2394.264
36	1940.384	2611.752	2736.168	2912.848	2641.912	2300.712	2354.568

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-5700°K.IES**

**CANDELA TABULATION - (Cont.)**

37	1930.856	2617.696	2726.480	2863.712	2632.288	2269.504	2307.496
38	1909.424	2616.640	2720.696	2829.800	2616.808	2241.320	2249.712
39	1872.920	2607.272	2715.152	2812.040	2598.312	2198.624	2165.056
40	1834.864	2587.792	2710.016	2802.920	2572.392	2141.160	2074.672
41	1809.520	2568.976	2709.856	2787.760	2542.896	2074.752	1998.072
42	1785.000	2554.136	2710.336	2777.568	2514.120	1997.592	1920.496
43	1763.656	2537.856	2700.648	2773.744	2490.096	1925.728	1852.080
44	1750.536	2517.472	2685.984	2774.160	2466.128	1850.504	1794.944
45	1739.288	2499.136	2671.400	2773.744	2429.472	1790.144	1752.000
46	1723.960	2478.928	2655.272	2789.720	2353.280	1740.016	1720.536
47	1697.320	2458.968	2640.192	2804.864	2281.168	1693.808	1718.256
48	1659.664	2442.264	2626.576	2822.888	2208.968	1667.328	1751.592
49	1612.904	2423.600	2622.416	2843.576	2140.352	1652.112	1876.744
50	1564.824	2390.520	2622.336	2862.568	2080.704	1671.976	2059.768
51	1508.760	2343.104	2624.224	2885.792	2035.808	1844.328	2027.176
52	1443.912	2294.608	2626.976	2903.064	2031.080	1986.272	1761.120
53	1368.616	2237.816	2612.408	2918.376	2032.792	1868.672	1506.880
54	1286.888	2168.808	2569.872	2919.608	2004.848	1619.256	1210.768
55	1208.072	2089.992	2514.296	2891.416	1959.064	1420.344	982.352
56	1137.112	2000.768	2438.920	2830.136	1969.808	1218.352	846.520
57	1078.280	1910.072	2348.792	2743.840	2030.264	1083.008	755.912
58	1029.056	1830.384	2218.584	2650.384	1989.528	985.216	698.952
59	982.856	1750.696	2076.632	2537.936	1852.968	917.416	651.128
60	926.400	1667.976	1963.360	2383.104	1723.304	868.120	615.192
61	850.680	1566.528	1922.304	2174.664	1599.624	828.272	587.072
62	753.808	1446.984	1947.648	2030.920	1532.056	789.976	560.912
63	649.248	1333.648	2006.560	1981.552	1500.864	758.856	540.712
64	561.088	1237.328	2021.152	1957.016	1470.872	732.536	513.024
65	504.864	1143.864	1949.992	1971.840	1424.824	708.240	487.008
66	476.496	1046.160	1815.312	1978.608	1375.776	683.728	455.304
67	450.176	948.216	1608.984	1901.928	1311.000	660.016	449.696
68	413.600	846.776	1364.368	1753.136	1222.016	630.440	433.880
69	368.696	747.672	1276.280	1579.560	1121.544	605.976	426.640
70	328.432	663.832	1305.944	1322.640	998.904	583.248	410.512
71	297.880	607.536	1336.096	1027.752	877.160	563.120	394.768
72	276.528	537.616	1250.688	896.896	773.680	545.432	385.160
73	266.432	450.744	1099.144	861.040	697.088	529.136	366.184
74	252.248	383.864	967.136	869.112	674.760	496.960	353.792
75	233.912	347.752	892.736	840.496	653.648	465.664	345.224
76	209.896	316.864	868.120	740.272	620.976	421.008	345.640
77	183.896	270.672	644.768	588.872	570.048	390.208	341.080
78	164.736	227.568	484.648	496.152	495.328	366.992	262.600
79	156.904	198.560	440.560	493.208	421.088	333.008	185.680
80	153.248	182.008	363.800	436.576	356.552	295.928	136.712
81	148.848	162.544	313.528	334.472	324.288	226.912	130.512
82	132.232	133.440	265.448	314.992	313.048	168.648	137.920
83	93.848	98.992	207.352	282.400	291.864	138.016	79.752
84	61.424	65.984	156.256	177.448	247.528	121.472	40.552
85	35.912	47.560	111.280	131.000	200.496	89.520	32.408
86	29.384	39.992	89.920	120.968	171.352	48.464	22.552
87	27.928	37.536	73.808	101.744	141.192	32.576	14.248
88	24.176	34.192	55.952	72.896	110.544	26.208	8.520
89	14.728	22.888	37.136	53.752	77.800	15.136	3.312
90	6.984	14.648	27.608	39.912	44.952	7.064	0.000
91	0.000	4.544	15.784	24.096	20.264	0.384	0.000
92	0.000	0.888	7.632	8.760	6.824	0.000	0.000

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

93	0.000	0.384	1.368	1.448	0.144	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.384	0.000	0.000	0.000	0.000	0.000
96	0.000	0.888	0.000	0.000	0.000	0.000	0.000
97	0.000	0.888	0.000	0.000	0.000	0.000	0.000
98	0.384	0.888	0.000	0.000	0.000	0.000	0.000
99	0.000	1.288	0.000	0.000	0.000	0.000	0.000
100	0.000	0.888	0.000	0.000	0.000	0.000	0.000
101	0.000	0.888	0.000	0.000	0.000	0.000	0.000
102	0.384	0.888	0.000	0.000	0.000	0.000	0.000
103	1.288	0.888	0.000	0.000	0.000	0.000	0.000
104	0.888	0.888	0.000	0.000	0.000	0.000	0.000
105	1.288	0.888	0.000	0.000	0.000	0.000	0.000
106	1.288	0.888	0.000	0.000	0.000	0.000	0.000
107	1.288	0.888	0.000	0.000	0.000	0.000	0.000
108	1.288	0.888	0.000	0.000	0.000	0.000	0.000
109	1.288	0.888	0.000	0.000	0.000	0.000	0.000
110	1.288	0.888	0.000	0.000	0.000	0.000	0.000
111	1.288	0.888	0.000	0.000	0.000	0.000	0.000
112	1.288	0.888	0.000	0.000	0.000	0.000	0.000
113	1.288	0.888	0.000	0.000	0.000	0.000	0.000
114	1.288	0.888	0.000	0.000	0.000	0.000	0.000
115	1.288	0.888	0.000	0.000	0.000	0.000	0.000
116	1.288	0.888	0.000	0.000	0.000	0.000	0.000
117	1.288	0.888	0.000	0.000	0.000	0.000	0.000
118	1.288	0.888	0.000	0.000	0.000	0.000	0.000
119	1.288	0.888	0.000	0.000	0.000	0.000	0.000
120	1.288	0.888	0.000	0.000	0.000	0.000	0.000
121	1.288	0.888	0.000	0.000	0.000	0.000	0.000
122	1.288	0.888	0.000	0.000	0.000	0.000	0.000
123	1.288	0.888	0.000	0.000	0.000	0.000	0.000
124	1.288	0.888	0.000	0.000	0.000	0.000	0.000
125	1.288	0.888	0.000	0.000	0.000	0.000	0.000
126	1.288	0.888	0.000	0.000	0.000	0.000	0.000
127	1.288	0.888	0.000	0.000	0.000	0.000	0.000
128	1.288	0.888	0.000	0.000	0.000	0.000	0.000
129	1.288	0.888	0.000	0.000	0.000	0.000	0.000
130	1.288	0.888	0.000	0.000	0.000	0.000	0.000
131	1.288	0.888	0.000	0.000	0.000	0.000	0.000
132	1.288	0.888	0.000	0.000	0.000	0.000	0.000
133	1.288	0.888	0.000	0.000	0.000	0.000	0.000
134	1.288	0.888	0.000	0.000	0.000	0.000	0.000
135	1.288	0.888	0.000	0.000	0.000	0.000	0.000
136	1.288	0.888	0.000	0.000	0.000	0.000	0.000
137	1.288	0.888	0.000	0.000	0.000	0.000	0.000
138	1.288	0.888	0.000	0.000	0.000	0.000	0.000
139	1.288	0.888	0.000	0.000	0.000	0.000	0.000
140	1.288	0.888	0.000	0.000	0.000	0.000	0.000
141	1.288	0.888	0.000	0.000	0.000	0.000	0.000
142	1.288	0.888	0.000	0.000	0.000	0.000	0.000
143	1.288	0.888	0.000	0.000	0.000	0.000	0.000
144	1.288	0.888	0.000	0.000	0.000	0.000	0.000
145	0.888	0.888	0.000	0.000	0.000	0.000	0.000
146	0.888	0.888	0.000	0.000	0.000	0.000	0.000
147	0.888	1.288	0.000	0.000	0.000	0.000	0.000
148	0.888	0.384	0.000	0.000	0.000	0.000	0.000

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-5700°K.IES**

**CANDELA TABULATION - (Cont.)**

149	0.888	0.888	0.000	0.000	0.000	0.000	0.000
150	0.888	0.384	0.000	0.000	0.000	0.000	0.000
151	0.888	0.384	0.000	0.000	0.000	0.000	0.000
152	0.888	0.384	0.000	0.000	0.000	0.000	0.000
153	0.888	0.384	0.888	0.000	0.000	0.000	0.000
154	0.888	0.384	0.384	0.000	0.000	0.000	0.000
155	0.888	0.384	0.384	0.384	0.000	0.000	0.000
156	0.888	0.384	1.288	0.888	0.000	0.000	0.000
157	0.888	0.384	0.888	0.384	0.000	0.000	0.000
158	0.888	0.384	0.888	0.384	0.000	0.000	0.000
159	0.888	0.384	0.888	0.384	0.000	0.000	0.000
160	0.888	0.384	0.888	0.384	0.000	0.000	0.000
161	0.888	0.384	0.888	0.384	0.000	0.000	0.000
162	0.888	0.384	0.888	0.384	0.000	0.000	0.000
163	0.888	0.384	0.888	0.384	0.000	0.000	0.000
164	0.888	0.384	0.888	0.384	0.000	0.000	0.000
165	0.888	0.384	0.888	0.384	0.000	0.000	0.000
166	0.888	0.384	0.888	0.384	0.000	0.000	0.000
167	0.888	0.384	0.888	0.384	0.000	0.000	0.000
168	0.888	0.384	0.888	0.384	0.000	0.000	0.000
169	0.888	0.384	0.888	0.384	0.000	0.000	0.000
170	0.888	0.384	0.888	0.384	0.000	0.000	0.000
171	0.888	0.384	0.888	0.384	0.384	0.000	0.000
172	0.888	0.384	0.888	0.384	0.384	0.000	0.000
173	0.888	0.384	0.888	0.384	0.384	0.000	0.000
174	0.888	0.384	0.888	0.384	0.384	0.000	0.000
175	0.888	0.384	0.888	0.384	0.888	0.000	0.000
176	0.888	0.384	0.888	0.384	1.288	0.000	0.000
177	1.288	0.384	0.888	0.384	0.888	0.000	0.000
178	0.384	0.384	0.888	0.384	0.888	0.000	0.000
179	0.384	0.384	0.888	0.384	0.888	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-5700°K.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	985.30	9.70	12.10
0-30	2101.46	20.60	25.80
0-40	3475.67	34.10	42.70
0-60	6452.04	63.30	79.20
0-80	8006.2	78.60	98.30
0-90	8141.48	79.90	99.90
10-90	7882.94	77.40	96.70
20-40	2490.37	24.40	30.60
20-50	3994.47	39.20	49.00
40-70	4008.16	39.40	49.20
60-80	1554.15	15.30	19.10
70-80	522.37	5.10	6.40
80-90	135.28	1.30	1.70
90-110	4.75	0.00	0.10
90-120	5.11	0.10	0.10
90-130	5.48	0.10	0.10
90-150	6.08	0.10	0.10
90-180	6.43	0.10	0.10
110-180	1.68	0.00	0.00
0-180	8147.9	80.00	100.00

Total Luminaire Efficiency = 80.00%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	258.53
10-20	726.77
20-30	1116.16
30-40	1374.21
40-50	1504.09
50-60	1472.28
60-70	1031.78
70-80	522.37
80-90	135.28
90-100	4.42
100-110	0.33
110-120	0.35
120-130	0.38
130-140	0.34
140-150	0.26
150-160	0.19
160-170	0.12
170-180	0.04

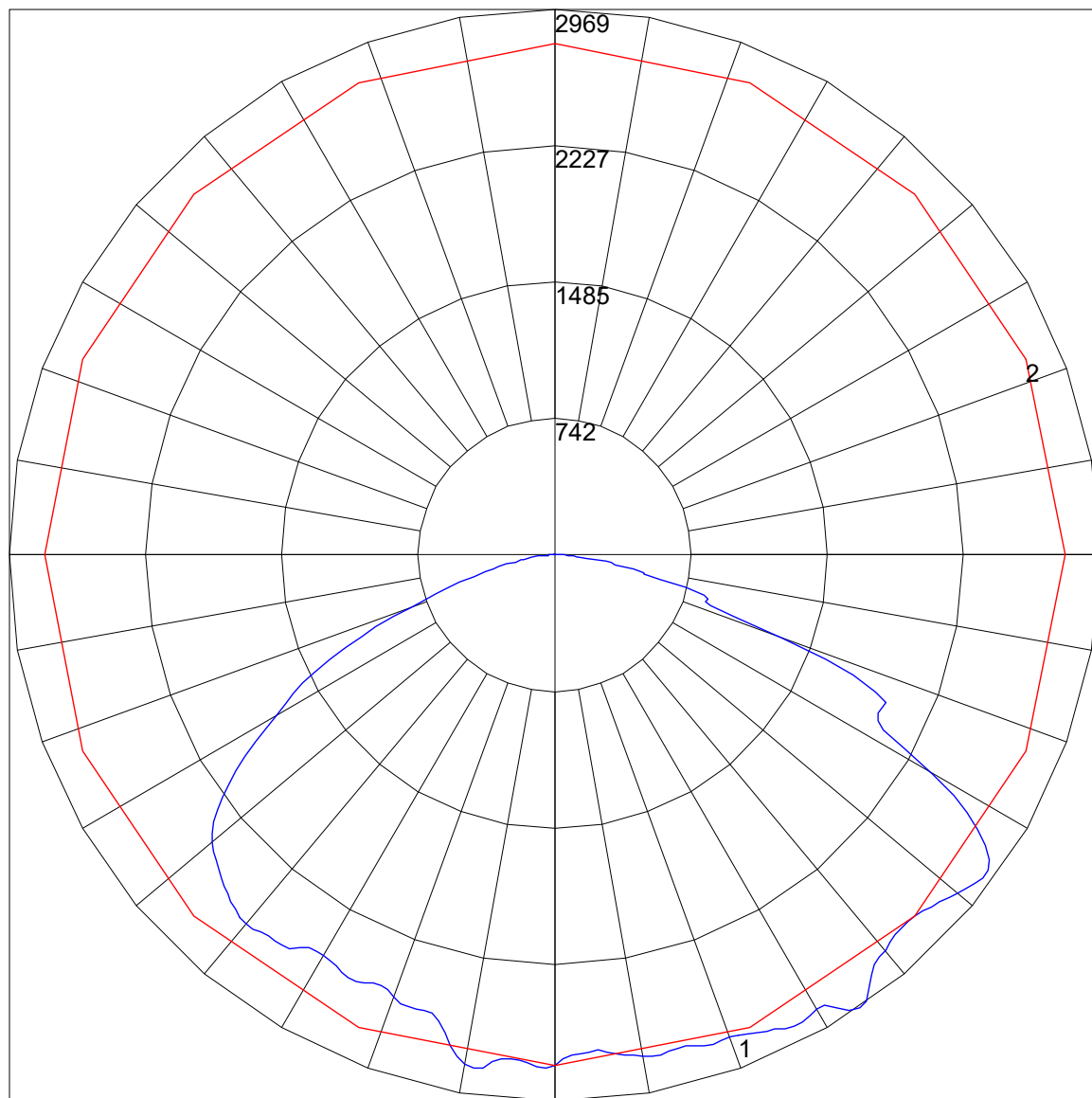
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : BLS-10A-5700°K.IES**

**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	95	95	95	95	93	93	93	93	89	89	89	85	85	85	82	82	82	80
1	87	83	80	77	85	81	78	75	78	75	73	75	73	71	72	70	69	67
2	79	72	67	62	77	71	66	61	68	64	60	65	62	59	63	60	57	55
3	72	63	57	51	70	62	56	51	60	54	50	57	53	49	55	51	48	46
4	66	56	49	43	64	55	48	43	53	47	42	51	46	42	49	45	41	39
5	60	50	42	37	58	49	42	37	47	41	36	46	40	36	44	39	36	34
6	55	45	37	32	54	44	37	32	42	36	32	41	36	31	40	35	31	29
7	51	40	33	28	50	40	33	28	38	32	28	37	32	28	36	31	27	26
8	48	37	30	25	46	36	30	25	35	29	25	34	29	25	33	28	25	23
9	45	34	27	23	43	33	27	22	32	26	22	31	26	22	31	26	22	21
10	42	31	25	20	41	31	24	20	30	24	20	29	24	20	28	23	20	19

POLAR GRAPH



Maximum Candela = 2969.072 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)