



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-8A-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-8A - 5000°K
 [BALLAST] -
 [BALLASTCAT] -

CHARACTERISTICS

Lumens Per Lamp	6183 (1 lamp)
Total Lamp Lumens	6183
Luminaire Lumens	6183
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	86
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

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	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274
1	2106.741	2107.298	2114.037	2114.340	2119.288	2118.236	2115.089	2110.819	2109.645	2100.123
2	2101.419	2103.463	2113.420	2108.350	2114.411	2114.472	2105.507	2097.027	2096.045	2086.949
3	2094.872	2094.062	2102.107	2091.279	2101.479	2100.801	2089.367	2071.123	2073.541	2070.505
4	2089.367	2083.923	2090.541	2076.688	2083.063	2087.879	2074.897	2040.452	2052.696	2049.296
5	2086.149	2078.540	2082.314	2067.358	2074.401	2085.532	2058.575	2013.000	2028.897	2038.793
6	2077.862	2074.583	2081.818	2064.323	2077.366	2089.802	2048.062	1985.365	1982.026	2008.183
7	2066.802	2068.158	2087.758	2063.645	2090.045	2107.419	2036.749	1932.808	1914.138	1951.791
8	2061.297	2065.557	2097.401	2063.584	2107.601	2136.976	2007.809	1888.477	1863.372	1902.330
9	2059.192	2065.557	2103.645	2062.532	2123.559	2144.090	1958.965	1859.729	1833.885	1867.268
10	2061.236	2071.244	2108.411	2063.584	2142.845	2133.698	1900.781	1828.381	1821.206	1830.111
11	2065.810	2078.671	2111.558	2068.532	2154.907	2108.158	1844.702	1787.753	1778.667	1775.449
12	2076.253	2085.036	2114.340	2071.801	2148.664	2070.687	1797.771	1735.135	1724.632	1707.379
13	2082.132	2086.584	2114.097	2072.914	2139.263	2022.957	1760.240	1691.179	1691.675	1668.614
14	2086.766	2092.888	2114.097	2073.966	2127.262	1983.200	1731.614	1658.839	1660.630	1643.944
15	2087.819	2102.785	2104.019	2070.445	2110.880	1956.739	1724.693	1632.995	1629.413	1627.612
16	2087.879	2112.114	2091.775	2070.070	2088.557	1953.642	1710.597	1615.743	1597.013	1610.855
17	2099.324	2117.933	2081.818	2071.497	2067.419	1959.764	1670.840	1601.768	1562.386	1591.326
18	2117.558	2122.193	2073.045	2074.654	2048.436	1962.122	1638.126	1586.438	1529.429	1570.177
19	2131.037	2127.201	2066.549	2084.044	2036.749	1957.235	1620.812	1570.177	1493.567	1542.603
20	2138.393	2126.959	2066.174	2092.767	2036.749	1941.965	1609.378	1546.803	1453.689	1507.359
21	2149.028	2121.332	2065.810	2095.367	2036.496	1921.991	1601.961	1509.393	1400.271	1466.054
22	2153.480	2117.062	2051.340	2094.436	2042.375	1915.069	1592.500	1464.506	1332.687	1418.070
23	2154.533	2115.524	2035.514	2094.740	2075.514	1919.704	1581.551	1413.749	1258.546	1366.697
24	2141.368	2110.637	2025.861	2101.419	2102.410	1932.383	1571.351	1357.731	1173.477	1307.643
25	2107.045	2106.984	2012.018	2106.063	2099.506	1942.582	1559.046	1299.548	1076.892	1246.252
26	2074.583	2099.688	2006.696	2119.541	2099.253	1943.382	1544.516	1231.347	973.325	1185.285
27	2038.540	2083.923	2004.844	2116.567	2101.297	1936.764	1528.194	1162.093	876.993	1131.989
28	2004.783	2063.210	2002.365	2088.193	2100.184	1923.782	1511.194	1100.145	790.497	1085.797
29	1970.035	2035.696	1997.791	2068.401	2092.089	1913.582	1491.898	1042.518	715.122	1033.613
30	1942.269	2002.678	1993.217	2059.435	2071.436	1910.738	1478.106	987.856	646.182	977.474
31	1916.111	1967.687	1985.426	2048.315	2065.871	1909.443	1469.332	938.951	586.885	921.516
32	1889.903	1928.355	1976.835	2037.427	2067.905	1913.086	1469.332	887.942	548.737	872.794
33	1861.763	1889.843	1964.773	2038.165	2080.402	1934.356	1470.010	839.523	517.206	827.775
34	1840.068	1856.451	1951.912	2058.575	2081.019	1957.730	1469.697	797.176	490.806	787.036
35	1816.754	1828.381	1932.808	2082.689	2071.801	1966.817	1469.332	755.071	470.032	747.462
36	1786.640	1799.198	1925.077	2096.845	2056.167	1966.503	1468.897	718.461	450.675	710.548
37	1750.911	1767.597	1918.095	2094.062	2043.923	1968.800	1465.255	683.278	436.083	671.104
38	1707.065	1733.041	1908.573	2073.845	2033.592	1976.521	1453.011	650.077	422.170	629.303
39	1642.831	1686.605	1892.433	2050.966	2025.861	1984.687	1436.871	617.869	407.214	594.677
40	1574.255	1634.726	1873.086	2040.584	2019.496	1986.478	1413.932	585.772	395.031	560.363
41	1516.132	1579.385	1855.155	2043.862	2011.269	1982.147	1390.871	556.346	381.492	531.919
42	1457.271	1513.167	1834.998	2057.341	2001.130	1970.531	1367.992	531.120	368.439	507.745
43	1405.341	1453.436	1809.398	2058.939	1991.113	1959.704	1349.505	510.467	357.379	492.354
44	1361.991	1391.114	1775.580	2054.305	1984.009	1946.782	1337.574	492.354	348.474	479.554
45	1329.409	1335.217	1731.796	2047.384	1977.391	1935.287	1323.722	478.745	340.925	467.250
46	1305.538	1291.139	1687.344	2045.400	1967.748	1916.799	1311.043	469.101	334.308	456.119
47	1303.808	1256.634	1643.691	2050.662	1959.643	1897.321	1297.322	459.144	327.882	446.840
48	1329.095	1242.538	1592.500	2055.975	1948.512	1881.616	1283.530	450.553	320.333	442.762
49	1424.071	1240.190	1523.367	2058.201	1933.617	1864.181	1269.808	443.258	315.142	437.257
50	1562.942	1259.791	1445.401	2057.897	1925.390	1845.937	1252.556	439.301	311.864	432.926
51	1538.212	1374.053	1392.105	2054.123	1918.773	1823.746	1225.407	436.761	307.351	429.779
52	1336.330	1484.855	1357.043	2050.470	1914.260	1786.893	1189.798	434.353	306.673	424.214
53	1143.424	1416.158	1344.931	2047.879	1916.739	1745.032	1142.988	431.135	306.299	416.301

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

54	918.734	1216.694	1342.948	2040.331	1925.633	1694.761	1085.918	427.796	306.673	406.900
55	745.418	1048.266	1341.895	2032.671	1930.642	1642.952	1025.761	421.057	307.047	397.500
56	642.347	881.446	1353.087	2039.835	1917.913	1588.725	965.969	407.831	308.525	387.917
57	573.599	775.845	1409.105	2020.366	1876.051	1527.820	908.534	393.422	312.056	371.039
58	530.371	699.974	1381.096	1994.452	1819.598	1457.645	852.819	372.891	316.013	354.222
59	494.085	659.539	1287.425	1952.104	1749.109	1391.670	804.775	354.161	325.099	342.099
60	466.814	622.564	1181.693	1886.868	1674.604	1330.208	769.470	341.421	333.630	335.481
61	445.484	593.442	1072.996	1806.676	1585.821	1272.520	732.688	334.308	343.212	334.439
62	425.631	564.755	999.918	1678.621	1496.906	1220.034	682.357	331.100	342.787	330.108
63	410.300	534.581	955.951	1566.099	1406.818	1167.223	612.111	325.535	339.569	316.013
64	389.284	508.363	924.360	1484.663	1349.565	1104.102	536.625	313.169	329.987	294.621
65	369.552	485.362	900.429	1360.261	1337.261	1024.092	465.519	295.107	314.343	274.090
66	345.499	461.745	886.768	1246.373	1363.357	943.343	404.553	276.438	310.629	260.915
67	341.239	448.823	877.428	1149.606	1340.974	868.028	372.031	263.081	316.256	262.524
68	329.238	436.893	859.680	1097.919	1236.173	795.253	357.804	260.237	320.829	270.569
69	323.743	422.544	842.923	1119.057	1109.667	709.435	329.117	259.863	312.238	268.828
70	311.500	403.743	800.454	1069.475	970.239	636.164	289.734	250.412	289.177	251.950
71	299.559	391.813	734.044	969.622	846.202	572.415	253.751	223.324	261.786	224.750
72	292.264	373.083	657.808	870.315	770.027	515.719	225.611	197.794	236.377	211.768
73	277.865	360.526	588.312	739.053	786.844	467.118	209.663	194.697	203.916	218.254
74	268.464	349.709	525.858	610.381	813.497	408.449	195.871	207.994	162.489	234.394
75	261.968	331.100	478.623	511.762	752.288	344.447	187.098	222.585	126.931	223.142
76	262.281	310.751	441.962	489.936	646.799	290.726	178.932	209.785	123.410	180.845
77	258.821	281.568	418.466	507.189	552.572	259.438	163.845	165.636	132.618	125.575
78	199.271	263.577	392.056	475.658	500.824	235.325	147.209	114.262	130.331	85.009
79	140.905	248.742	364.421	411.100	430.083	199.767	127.245	82.226	114.748	76.357
80	103.749	224.437	327.761	335.178	327.629	165.454	112.218	81.174	96.322	81.730
81	99.044	173.549	284.047	290.594	333.751	142.079	112.461	89.957	83.157	81.862
82	104.670	131.879	245.828	288.125	343.829	126.557	107.887	85.444	71.348	75.183
83	60.531	93.053	219.802	247.012	272.421	112.654	99.044	70.357	33.817	63.243
84	30.782	88.226	205.029	200.759	198.472	94.409	79.939	52.740	8.965	53.104
85	24.599	69.426	177.384	192.593	142.201	69.061	52.244	46.425	0.000	46.921
86	17.121	36.104	142.272	169.532	107.887	47.417	33.200	45.565	0.000	34.617
87	10.817	24.538	112.401	117.723	81.548	33.139	23.182	36.104	0.000	21.391
88	6.486	19.287	91.070	87.174	65.348	27.453	21.138	22.069	0.000	13.782
89	2.530	13.225	76.418	80.556	56.696	26.704	19.590	13.407	0.000	9.390
90	0.000	7.852	52.122	66.582	48.287	21.887	12.983	6.243	0.000	0.678
91	0.000	2.469	33.878	43.956	36.418	13.843	5.626	0.000	0.000	0.000
92	0.000	0.061	14.156	26.269	25.904	7.043	0.000	0.000	0.000	0.000
93	0.000	0.000	4.199	13.407	14.834	0.678	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	2.843	5.495	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	0.304	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.304	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.982	0.678	0.304	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.678	0.304	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.678	1.042	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.678	0.678	0.678	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.678	0.678	0.678	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.678	0.678	1.042	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.304
106	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

110	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.304
124	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.000	0.000	0.678
125	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.304	0.000	0.678
126	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.982	0.000	0.678
127	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.678
128	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.678
129	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.678
130	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
131	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
132	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
133	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
134	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
135	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
136	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
137	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
138	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
139	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
140	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
141	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
142	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
143	0.000	0.000	0.000	0.000	0.982	0.678	1.042	0.678	0.000	0.304
144	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.000	0.678
145	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
146	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
147	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
148	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
149	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
150	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
151	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
152	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.304
153	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
154	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
155	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
156	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
157	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
158	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
159	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
160	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
161	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
162	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
163	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
164	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
165	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
167	0.000	0.000	0.000	0.000	0.982	0.678	0.678	0.678	0.304	0.000
168	0.000	0.000	0.000	0.000	0.678	0.678	0.678	0.678	0.304	0.000
169	0.000	0.000	0.000	0.000	0.678	0.678	0.678	0.678	0.304	0.000
170	0.000	0.000	0.000	0.000	0.678	0.678	0.678	0.678	0.304	0.000
171	0.000	0.000	0.000	0.000	0.678	0.678	0.304	0.678	0.304	0.000
172	0.000	0.000	0.304	0.000	0.678	0.678	0.304	0.678	0.304	0.000
173	0.000	0.000	0.304	0.000	0.678	0.678	0.304	0.678	0.304	0.000
174	0.000	0.000	0.304	0.000	0.982	0.678	0.304	0.678	0.304	0.000
175	0.000	0.000	0.304	0.000	0.304	0.678	0.304	0.678	0.000	0.000
176	0.000	0.000	0.304	0.000	0.304	0.678	0.304	0.678	0.000	0.000
177	0.000	0.000	0.304	0.000	0.304	0.678	0.304	0.678	0.000	0.000
178	0.000	0.000	0.304	0.678	0.304	0.678	0.304	0.678	0.000	0.000
179	0.000	0.304	0.304	0.678	0.304	0.678	0.304	0.678	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	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274	2108.274
1	2091.532	2082.810	2072.853	2078.793	2088.497	2099.253	2106.741
2	2082.506	2072.236	2063.028	2063.331	2076.627	2093.010	2101.419
3	2069.018	2073.905	2062.279	2061.854	2070.940	2087.819	2094.872
4	2069.018	2092.585	2071.315	2056.349	2064.080	2079.531	2089.367
5	2068.532	2113.662	2090.227	2052.200	2062.532	2077.062	2086.149
6	2060.609	2134.568	2104.697	2062.592	2073.905	2085.906	2077.862
7	2032.296	2145.446	2120.837	2075.767	2089.671	2100.741	2066.802
8	1971.209	2137.776	2133.020	2081.758	2104.515	2111.993	2061.297
9	1901.834	2115.706	2143.220	2090.784	2116.142	2122.820	2059.192
10	1837.781	2079.653	2146.377	2101.358	2121.889	2125.593	2061.236
11	1784.475	2032.236	2145.385	2106.063	2122.749	2125.289	2065.810
12	1747.571	1984.566	2135.985	2107.540	2116.445	2125.593	2076.253
13	1730.319	1964.905	2118.115	2103.280	2111.750	2128.750	2082.132
14	1730.754	1968.052	2105.507	2099.688	2102.785	2131.289	2086.766
15	1716.901	1981.287	2088.497	2100.002	2097.401	2133.080	2087.819
16	1674.736	1983.817	2067.288	2108.411	2093.384	2132.706	2087.879
17	1639.239	1971.148	2053.566	2118.853	2085.350	2127.080	2099.324
18	1619.142	1947.399	2059.688	2123.862	2081.950	2120.462	2117.558
19	1614.629	1913.642	2073.470	2122.193	2092.028	2116.384	2131.037
20	1613.152	1890.146	2090.359	2116.202	2103.088	2116.384	2138.393
21	1608.882	1883.589	2117.993	2121.019	2112.489	2125.593	2149.028
22	1602.578	1883.721	2135.246	2129.984	2122.941	2135.924	2153.480
23	1590.951	1891.442	2142.663	2141.550	2125.289	2139.698	2154.533
24	1578.090	1893.607	2131.350	2154.097	2119.602	2137.037	2141.368
25	1562.072	1893.050	2122.567	2157.872	2098.514	2123.619	2107.045
26	1543.028	1888.234	2115.949	2174.568	2084.975	2100.498	2074.583
27	1521.637	1886.443	2116.202	2184.272	2073.723	2066.549	2038.540
28	1503.899	1888.912	2117.255	2185.699	2073.288	2031.365	2004.783
29	1487.820	1888.598	2120.402	2175.499	2082.567	1995.443	1970.035
30	1480.150	1891.512	2119.481	2166.341	2087.576	1948.644	1942.269
31	1475.950	1909.807	2119.106	2168.203	2078.358	1907.146	1916.111
32	1477.063	1929.226	2118.732	2201.525	2061.793	1864.181	1889.903
33	1480.524	1946.903	2111.315	2239.177	2043.791	1827.511	1861.763
34	1480.524	1966.200	2101.550	2252.908	2027.905	1792.145	1840.068
35	1478.976	1978.444	2089.488	2249.073	2012.696	1764.632	1816.754
36	1472.358	1981.783	2076.192	2210.247	2004.662	1745.770	1786.640

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

37	1465.123	1986.296	2068.836	2172.959	1997.366	1722.092	1750.911
38	1448.862	1985.487	2064.444	2147.237	1985.618	1700.701	1707.065
39	1421.167	1978.383	2060.245	2133.758	1971.583	1668.300	1642.831
40	1392.287	1963.599	2056.349	2126.837	1951.912	1624.708	1574.255
41	1373.061	1949.322	2056.228	2115.332	1929.529	1574.316	1516.132
42	1354.453	1938.069	2056.592	2107.601	1907.703	1515.768	1457.271
43	1338.252	1925.704	2049.235	2104.697	1889.468	1461.227	1405.341
44	1328.295	1910.243	2038.105	2105.011	1871.285	1404.157	1361.991
45	1319.765	1896.329	2027.045	2104.697	1843.468	1358.349	1329.409
46	1308.139	1880.999	2014.801	2116.819	1785.659	1320.322	1305.538
47	1287.921	1865.851	2003.356	2128.315	1730.936	1285.260	1303.808
48	1259.356	1853.172	1993.035	2141.985	1676.152	1265.164	1329.095
49	1223.869	1839.016	1989.878	2157.690	1624.091	1253.608	1424.071
50	1187.380	1813.911	1989.817	2172.099	1578.829	1268.695	1562.942
51	1144.840	1777.928	1991.244	2189.716	1544.759	1399.462	1538.212
52	1095.632	1741.136	1993.339	2202.820	1541.176	1507.167	1336.330
53	1038.501	1698.039	1982.279	2214.446	1542.472	1417.949	1143.424
54	976.482	1645.674	1950.000	2215.377	1521.273	1228.685	918.734
55	916.690	1585.882	1907.834	2193.986	1486.524	1077.762	745.418
56	862.837	1518.176	1850.642	2147.490	1494.680	924.481	642.347
57	818.193	1449.358	1782.249	2082.010	1540.559	821.785	573.599
58	780.854	1388.887	1683.448	2011.087	1509.646	747.583	530.371
59	745.792	1328.417	1575.743	1925.765	1406.019	696.139	494.085
60	702.949	1265.660	1489.793	1808.285	1307.643	658.739	466.814
61	645.504	1188.685	1458.637	1650.127	1213.790	628.504	445.484
62	571.990	1097.980	1477.863	1541.055	1162.528	599.443	425.631
63	492.658	1011.969	1522.568	1503.585	1138.850	575.825	410.300
64	425.762	938.891	1533.638	1484.976	1116.092	555.850	389.284
65	383.091	867.967	1479.654	1496.228	1081.162	537.424	369.552
66	361.578	793.836	1377.453	1501.359	1043.935	518.815	345.499
67	341.603	719.513	1220.894	1443.175	994.787	500.824	341.239
68	313.847	642.539	1035.283	1330.279	927.264	478.380	329.238
69	279.777	567.345	968.448	1198.571	851.028	459.822	323.743
70	249.228	503.728	990.952	1003.621	757.975	442.580	311.500
71	226.046	461.006	1013.831	779.862	665.600	427.300	299.559
72	209.845	407.953	949.030	680.566	587.077	413.883	292.264
73	202.175	342.038	834.029	653.356	528.954	401.517	277.865
74	191.419	291.282	733.862	659.478	512.015	377.100	268.464
75	177.505	263.890	677.409	637.773	495.997	353.351	261.968
76	159.271	240.455	658.739	561.719	471.206	319.473	262.281
77	139.550	205.393	489.258	446.840	432.562	296.099	258.821
78	125.019	172.689	367.761	376.483	375.866	278.482	199.271
79	119.079	150.680	334.308	374.257	319.534	252.699	140.905
80	116.296	138.123	276.063	331.282	270.569	224.558	103.749
81	112.957	123.349	237.915	253.812	246.081	172.193	99.044
82	100.349	101.270	201.437	239.028	237.551	127.984	104.670
83	71.227	75.123	157.349	214.298	221.472	104.741	60.531
84	46.618	50.078	118.583	134.662	187.837	92.183	30.782
85	27.260	36.104	84.452	99.418	152.158	67.948	24.599
86	22.312	30.357	68.252	91.809	130.028	36.782	17.121
87	21.199	28.495	56.018	77.217	107.149	24.731	10.817
88	18.356	25.965	42.469	55.330	83.896	19.904	6.486
89	11.181	17.374	28.191	40.799	59.044	11.495	2.530
90	5.312	11.121	20.956	30.296	34.121	5.373	0.000
91	0.000	3.461	11.991	18.295	15.391	0.304	0.000
92	0.000	0.678	5.808	6.668	5.191	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

93	0.000	0.304	1.042	1.103	0.121	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.304	0.000	0.000	0.000	0.000	0.000
96	0.000	0.678	0.000	0.000	0.000	0.000	0.000
97	0.000	0.678	0.000	0.000	0.000	0.000	0.000
98	0.304	0.678	0.000	0.000	0.000	0.000	0.000
99	0.000	0.982	0.000	0.000	0.000	0.000	0.000
100	0.000	0.678	0.000	0.000	0.000	0.000	0.000
101	0.000	0.678	0.000	0.000	0.000	0.000	0.000
102	0.304	0.678	0.000	0.000	0.000	0.000	0.000
103	0.982	0.678	0.000	0.000	0.000	0.000	0.000
104	0.678	0.678	0.000	0.000	0.000	0.000	0.000
105	0.982	0.678	0.000	0.000	0.000	0.000	0.000
106	0.982	0.678	0.000	0.000	0.000	0.000	0.000
107	0.982	0.678	0.000	0.000	0.000	0.000	0.000
108	0.982	0.678	0.000	0.000	0.000	0.000	0.000
109	0.982	0.678	0.000	0.000	0.000	0.000	0.000
110	0.982	0.678	0.000	0.000	0.000	0.000	0.000
111	0.982	0.678	0.000	0.000	0.000	0.000	0.000
112	0.982	0.678	0.000	0.000	0.000	0.000	0.000
113	0.982	0.678	0.000	0.000	0.000	0.000	0.000
114	0.982	0.678	0.000	0.000	0.000	0.000	0.000
115	0.982	0.678	0.000	0.000	0.000	0.000	0.000
116	0.982	0.678	0.000	0.000	0.000	0.000	0.000
117	0.982	0.678	0.000	0.000	0.000	0.000	0.000
118	0.982	0.678	0.000	0.000	0.000	0.000	0.000
119	0.982	0.678	0.000	0.000	0.000	0.000	0.000
120	0.982	0.678	0.000	0.000	0.000	0.000	0.000
121	0.982	0.678	0.000	0.000	0.000	0.000	0.000
122	0.982	0.678	0.000	0.000	0.000	0.000	0.000
123	0.982	0.678	0.000	0.000	0.000	0.000	0.000
124	0.982	0.678	0.000	0.000	0.000	0.000	0.000
125	0.982	0.678	0.000	0.000	0.000	0.000	0.000
126	0.982	0.678	0.000	0.000	0.000	0.000	0.000
127	0.982	0.678	0.000	0.000	0.000	0.000	0.000
128	0.982	0.678	0.000	0.000	0.000	0.000	0.000
129	0.982	0.678	0.000	0.000	0.000	0.000	0.000
130	0.982	0.678	0.000	0.000	0.000	0.000	0.000
131	0.982	0.678	0.000	0.000	0.000	0.000	0.000
132	0.982	0.678	0.000	0.000	0.000	0.000	0.000
133	0.982	0.678	0.000	0.000	0.000	0.000	0.000
134	0.982	0.678	0.000	0.000	0.000	0.000	0.000
135	0.982	0.678	0.000	0.000	0.000	0.000	0.000
136	0.982	0.678	0.000	0.000	0.000	0.000	0.000
137	0.982	0.678	0.000	0.000	0.000	0.000	0.000
138	0.982	0.678	0.000	0.000	0.000	0.000	0.000
139	0.982	0.678	0.000	0.000	0.000	0.000	0.000
140	0.982	0.678	0.000	0.000	0.000	0.000	0.000
141	0.982	0.678	0.000	0.000	0.000	0.000	0.000
142	0.982	0.678	0.000	0.000	0.000	0.000	0.000
143	0.982	0.678	0.000	0.000	0.000	0.000	0.000
144	0.982	0.678	0.000	0.000	0.000	0.000	0.000
145	0.678	0.678	0.000	0.000	0.000	0.000	0.000
146	0.678	0.678	0.000	0.000	0.000	0.000	0.000
147	0.678	0.982	0.000	0.000	0.000	0.000	0.000
148	0.678	0.304	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

CANDELA TABULATION - (Cont.)

149	0.678	0.678	0.000	0.000	0.000	0.000	0.000
150	0.678	0.304	0.000	0.000	0.000	0.000	0.000
151	0.678	0.304	0.000	0.000	0.000	0.000	0.000
152	0.678	0.304	0.000	0.000	0.000	0.000	0.000
153	0.678	0.304	0.678	0.000	0.000	0.000	0.000
154	0.678	0.304	0.304	0.000	0.000	0.000	0.000
155	0.678	0.304	0.304	0.304	0.000	0.000	0.000
156	0.678	0.304	0.982	0.678	0.000	0.000	0.000
157	0.678	0.304	0.678	0.304	0.000	0.000	0.000
158	0.678	0.304	0.678	0.304	0.000	0.000	0.000
159	0.678	0.304	0.678	0.304	0.000	0.000	0.000
160	0.678	0.304	0.678	0.304	0.000	0.000	0.000
161	0.678	0.304	0.678	0.304	0.000	0.000	0.000
162	0.678	0.304	0.678	0.304	0.000	0.000	0.000
163	0.678	0.304	0.678	0.304	0.000	0.000	0.000
164	0.678	0.304	0.678	0.304	0.000	0.000	0.000
165	0.678	0.304	0.678	0.304	0.000	0.000	0.000
166	0.678	0.304	0.678	0.304	0.000	0.000	0.000
167	0.678	0.304	0.678	0.304	0.000	0.000	0.000
168	0.678	0.304	0.678	0.304	0.000	0.000	0.000
169	0.678	0.304	0.678	0.304	0.000	0.000	0.000
170	0.678	0.304	0.678	0.304	0.000	0.000	0.000
171	0.678	0.304	0.678	0.304	0.304	0.000	0.000
172	0.678	0.304	0.678	0.304	0.304	0.000	0.000
173	0.678	0.304	0.678	0.304	0.304	0.000	0.000
174	0.678	0.304	0.678	0.304	0.304	0.000	0.000
175	0.678	0.304	0.678	0.304	0.678	0.000	0.000
176	0.678	0.304	0.678	0.304	0.982	0.000	0.000
177	0.982	0.304	0.678	0.304	0.678	0.000	0.000
178	0.304	0.304	0.678	0.304	0.678	0.000	0.000
179	0.304	0.304	0.678	0.304	0.678	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-8A-5000°K-P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	747.64	12.10	12.10
0-30	1594.58	25.80	25.80
0-40	2637.32	42.70	42.70
0-60	4895.78	79.20	79.20
0-80	6075.08	98.30	98.30
0-90	6177.75	99.90	99.90
10-90	5981.58	96.70	96.70
20-40	1889.68	30.60	30.60
20-50	3030.98	49.00	49.00
40-70	3041.38	49.20	49.20
60-80	1179.3	19.10	19.10
70-80	396.38	6.40	6.40
80-90	102.66	1.70	1.70
90-110	3.61	0.10	0.10
90-120	3.88	0.10	0.10
90-130	4.17	0.10	0.10
90-150	4.62	0.10	0.10
90-180	4.89	0.10	0.10
110-180	1.28	0.00	0.00
0-180	6182.64	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	196.17
10-20	551.47
20-30	846.94
30-40	1042.74
40-50	1141.3
50-60	1117.16
60-70	782.92
70-80	396.38
80-90	102.66
90-100	3.36
100-110	0.25
110-120	0.27
120-130	0.29
130-140	0.26
140-150	0.20
150-160	0.14
160-170	0.09
170-180	0.03

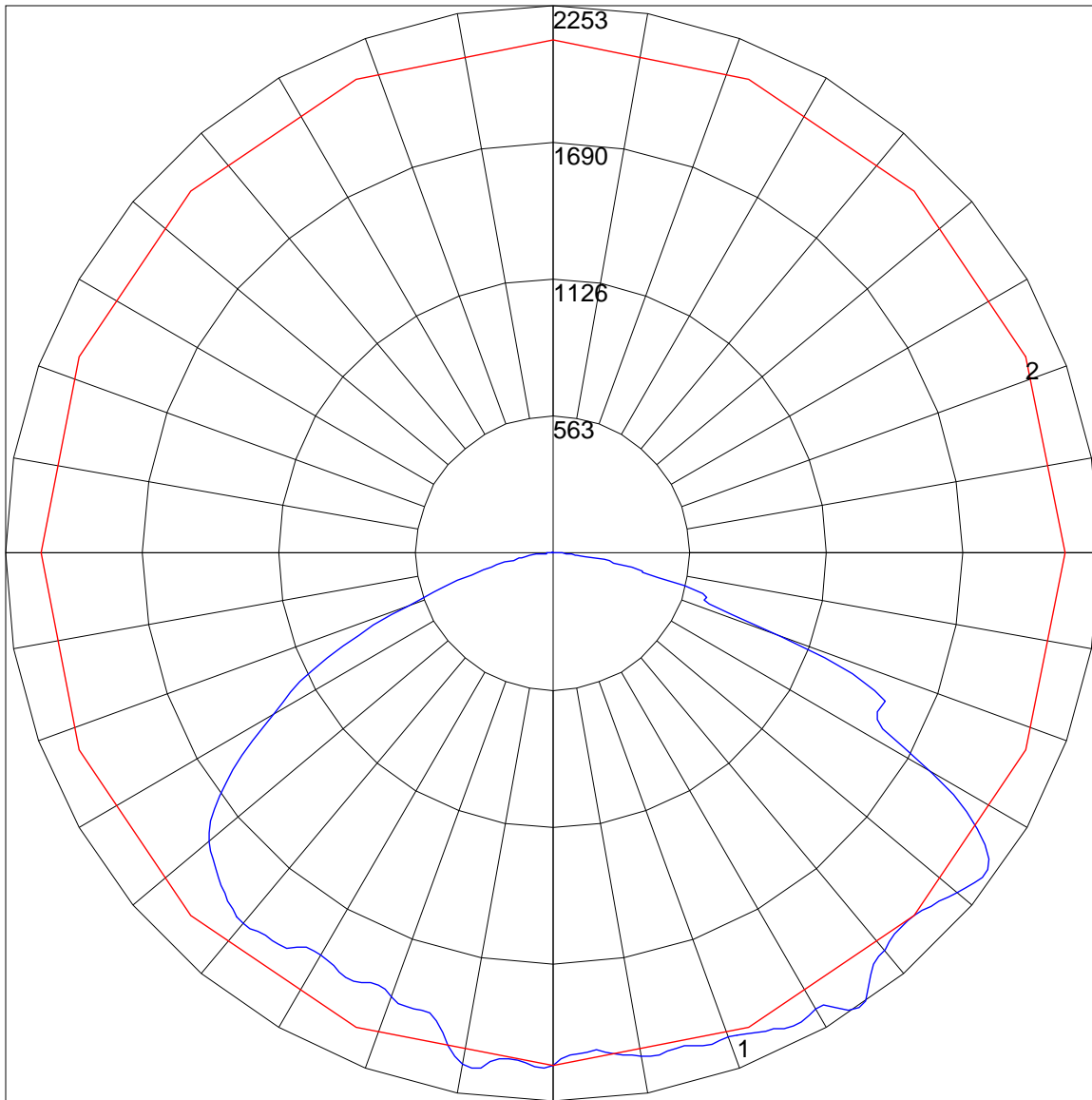
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-5000°K-P.IES

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 = 2252.908 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)