



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-8A-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-8A - 3500°K
 [BALLAST] -
 [BALLASTCAT] -

CHARACTERISTICS

Lumens Per Lamp	5741.45 (1 lamp)
Total Lamp Lumens	5741.45
Luminaire Lumens	5741
Total Luminaire Efficiency	100 %
Luminaire Efficacy Rating (LER)	80
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-3500°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	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706
1	1956.283	1956.800	1963.058	1963.339	1967.934	1966.957	1964.035	1960.070	1958.980	1950.138
2	1951.341	1953.239	1962.484	1957.777	1963.405	1963.462	1955.137	1947.263	1946.351	1937.904
3	1945.261	1944.509	1951.979	1941.925	1951.397	1950.767	1940.150	1923.208	1925.454	1922.635
4	1940.150	1935.094	1941.240	1928.376	1934.296	1938.768	1926.713	1894.728	1906.098	1902.941
5	1937.162	1930.096	1933.600	1919.713	1926.253	1936.588	1911.557	1869.236	1883.998	1893.187
6	1929.466	1926.422	1933.140	1916.894	1929.006	1940.554	1901.794	1843.575	1840.475	1864.764
7	1919.196	1920.455	1938.656	1916.264	1940.779	1956.912	1891.289	1794.771	1777.435	1812.399
8	1914.084	1918.040	1947.610	1916.208	1957.082	1984.359	1864.416	1753.607	1730.295	1766.470
9	1912.130	1918.040	1953.408	1915.231	1971.899	1990.964	1819.061	1726.912	1702.914	1733.912
10	1914.028	1923.321	1957.833	1916.208	1989.809	1981.314	1765.032	1697.802	1691.140	1699.409
11	1918.275	1930.218	1960.756	1920.803	2001.009	1957.598	1712.958	1660.077	1651.639	1648.651
12	1927.972	1936.128	1963.339	1923.838	1995.211	1922.804	1669.379	1611.216	1601.463	1585.442
13	1933.431	1937.566	1963.114	1924.871	1986.482	1878.482	1634.528	1570.399	1570.859	1549.445
14	1937.735	1943.420	1963.114	1925.849	1975.338	1841.565	1607.946	1540.369	1542.032	1526.538
15	1938.712	1952.609	1953.755	1922.579	1960.126	1816.993	1601.519	1516.371	1513.045	1511.372
16	1938.768	1961.272	1942.386	1922.231	1939.398	1814.118	1588.430	1500.350	1482.958	1495.812
17	1949.395	1966.675	1933.140	1923.556	1919.769	1819.803	1551.513	1487.374	1450.804	1477.677
18	1966.327	1970.631	1924.994	1926.487	1902.142	1821.992	1521.135	1473.139	1420.201	1458.039
19	1978.843	1975.282	1918.961	1935.207	1891.289	1817.454	1505.058	1458.039	1386.900	1432.434
20	1985.674	1975.057	1918.614	1943.307	1891.289	1803.275	1494.440	1436.334	1349.870	1399.707
21	1995.550	1969.832	1918.275	1945.722	1891.054	1784.727	1487.553	1401.596	1300.267	1361.352
22	1999.684	1965.867	1904.839	1944.857	1896.514	1778.300	1478.767	1359.914	1237.510	1316.795
23	2000.661	1964.439	1890.143	1945.139	1927.286	1782.603	1468.600	1312.783	1168.664	1269.091
24	1988.437	1959.900	1881.179	1951.341	1952.261	1794.377	1459.129	1260.766	1089.670	1214.254
25	1956.565	1956.508	1868.325	1955.653	1949.565	1803.848	1447.703	1206.737	999.983	1157.247
26	1926.422	1949.734	1863.383	1968.169	1949.330	1804.590	1434.210	1143.407	903.813	1100.635
27	1892.952	1935.094	1861.663	1965.407	1951.228	1798.445	1419.054	1079.099	814.361	1051.145
28	1861.607	1915.860	1859.361	1939.060	1950.194	1786.390	1403.269	1021.575	734.042	1008.252
29	1829.340	1890.312	1855.114	1920.681	1942.677	1776.919	1385.350	968.064	664.049	959.795
30	1803.557	1859.652	1850.867	1912.356	1923.500	1774.278	1372.543	917.306	600.033	907.665
31	1779.268	1827.160	1843.632	1902.029	1918.332	1773.076	1364.396	871.894	544.971	855.704
32	1754.931	1790.637	1835.654	1891.919	1920.220	1776.458	1364.396	824.527	509.547	810.461
33	1728.801	1754.875	1824.454	1892.605	1931.825	1796.209	1365.026	779.567	480.269	768.657
34	1708.655	1723.868	1812.511	1911.557	1932.398	1817.914	1364.735	740.243	455.754	730.828
35	1687.006	1697.802	1794.771	1933.948	1923.838	1826.352	1364.396	701.146	436.464	694.080
36	1659.043	1670.704	1787.593	1947.093	1909.321	1826.061	1363.992	667.150	418.489	659.802
37	1625.865	1641.359	1781.109	1944.509	1897.951	1828.194	1360.610	634.480	404.939	623.176
38	1585.151	1609.271	1772.267	1925.736	1888.358	1835.363	1349.240	603.651	392.020	584.360
39	1525.504	1566.152	1757.280	1904.491	1881.179	1842.946	1334.253	573.742	378.132	552.206
40	1461.826	1517.978	1739.315	1894.850	1875.269	1844.609	1312.952	543.938	366.819	520.344
41	1407.854	1466.590	1722.665	1897.895	1867.630	1840.587	1291.538	516.613	354.247	493.931
42	1353.196	1405.101	1703.948	1910.411	1858.215	1829.801	1270.293	493.189	342.126	471.483
43	1304.975	1349.635	1680.175	1911.895	1848.912	1819.747	1253.126	474.011	331.856	457.192
44	1264.721	1291.764	1648.773	1907.592	1842.316	1807.747	1242.048	457.192	323.587	445.306
45	1234.466	1239.859	1608.116	1901.165	1836.171	1797.073	1229.185	444.554	316.577	433.880
46	1212.300	1198.929	1566.838	1899.323	1827.217	1779.907	1217.411	435.599	310.432	423.544
47	1210.693	1166.888	1526.303	1904.209	1819.690	1761.819	1204.670	426.353	304.466	414.928
48	1234.174	1153.799	1478.767	1909.142	1809.354	1747.236	1191.863	418.376	297.456	411.141
49	1322.367	1151.619	1414.572	1911.209	1795.523	1731.046	1179.122	411.601	292.636	406.029
50	1451.321	1169.820	1342.174	1910.927	1787.884	1714.105	1163.101	407.927	289.591	402.008
51	1428.357	1275.922	1292.684	1907.423	1781.739	1693.499	1137.891	405.569	285.401	399.085
52	1240.893	1378.810	1260.127	1904.031	1777.548	1659.278	1104.826	403.333	284.771	393.918
53	1061.763	1315.019	1248.879	1901.625	1779.850	1620.406	1061.359	400.345	284.423	386.570

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

54	853.120	1129.801	1247.038	1894.616	1788.109	1573.725	1008.364	397.244	284.771	377.841
55	692.182	973.401	1246.060	1887.503	1792.761	1525.617	952.504	390.986	285.119	369.112
56	596.472	818.495	1256.453	1894.155	1780.940	1475.262	896.982	378.705	286.491	360.213
57	532.634	720.436	1308.470	1876.077	1742.068	1418.707	843.649	365.325	289.770	344.540
58	492.493	649.983	1282.461	1852.013	1689.647	1353.544	791.913	346.260	293.444	328.924
59	458.798	612.436	1195.481	1812.690	1624.192	1292.280	747.300	328.868	301.882	317.667
60	433.476	578.102	1097.300	1752.113	1555.008	1235.208	714.516	317.038	309.803	311.522
61	413.668	551.060	996.365	1677.648	1472.566	1181.640	680.361	310.432	318.701	310.554
62	395.233	524.422	928.506	1558.738	1390.001	1132.902	633.624	307.454	318.306	306.533
63	380.998	496.402	887.679	1454.252	1306.347	1083.863	568.396	302.286	315.318	293.444
64	361.482	472.057	858.344	1378.632	1253.183	1025.249	498.300	290.804	306.420	273.580
65	343.159	450.699	836.122	1263.115	1241.757	950.953	432.273	274.031	291.893	254.515
66	320.824	428.768	823.437	1157.360	1265.990	875.972	375.661	256.695	288.445	242.281
67	316.869	416.769	814.765	1067.504	1245.205	806.036	345.461	244.292	293.669	243.775
68	305.725	405.691	798.284	1019.508	1147.889	738.458	332.250	241.652	297.916	251.245
69	300.623	392.367	782.724	1039.137	1030.417	658.769	305.612	241.304	289.939	249.629
70	289.253	374.909	743.288	993.096	900.947	590.731	269.042	232.528	268.525	233.956
71	278.166	363.831	681.620	900.374	785.768	531.535	235.629	207.375	243.090	208.699
72	271.391	346.439	610.829	808.159	715.033	478.888	209.498	183.668	219.496	196.644
73	258.020	334.778	546.296	686.271	730.650	433.758	194.690	180.793	189.353	202.667
74	249.291	324.733	488.303	566.789	755.399	379.278	181.883	193.139	150.884	217.654
75	243.259	307.454	444.441	475.214	698.562	319.847	173.736	206.689	117.866	207.205
76	243.550	288.558	410.399	454.946	600.606	269.963	166.153	194.802	114.596	167.929
77	240.336	261.459	388.581	470.967	513.109	240.910	152.144	153.807	123.147	116.607
78	185.040	244.753	364.056	441.688	465.056	218.518	136.696	106.102	121.023	78.938
79	130.842	230.978	338.395	381.740	399.367	185.500	118.157	76.354	106.553	70.904
80	96.339	208.408	304.353	311.240	304.231	153.638	104.204	75.376	89.443	75.893
81	91.970	161.154	263.761	269.841	309.915	131.932	104.430	83.532	77.218	76.015
82	97.194	122.461	228.272	267.548	319.274	117.519	100.182	79.342	66.253	69.814
83	56.208	86.408	204.105	229.371	252.965	104.608	91.970	65.332	31.402	58.726
84	28.583	81.926	190.386	186.421	184.297	87.667	74.230	48.973	8.325	49.311
85	22.842	64.467	164.716	178.838	132.045	64.129	48.513	43.110	0.000	43.570
86	15.898	33.526	132.111	157.424	100.182	44.031	30.829	42.311	0.000	32.144
87	10.045	22.786	104.373	109.316	75.724	30.773	21.527	33.526	0.000	19.864
88	6.023	17.909	84.566	80.948	60.681	25.492	19.629	20.493	0.000	12.798
89	2.349	12.281	70.960	74.803	52.647	24.797	18.191	12.450	0.000	8.720
90	0.000	7.292	48.400	61.827	44.839	20.324	12.055	5.797	0.000	0.630
91	0.000	2.293	31.459	40.817	33.817	12.854	5.224	0.000	0.000	0.000
92	0.000	0.056	13.145	24.393	24.054	6.540	0.000	0.000	0.000	0.000
93	0.000	0.000	3.899	12.450	13.775	0.630	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	2.640	5.102	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	0.282	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.282	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	0.911	0.630	0.282	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.630	0.282	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.630	0.968	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.630	0.630	0.630	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.630	0.630	0.630	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.630	0.630	0.968	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.282
106	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

110	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.282
124	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.000	0.000	0.630
125	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.282	0.000	0.630
126	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.911	0.000	0.630
127	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.630
128	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.630
129	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.630
130	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
131	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
132	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
133	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
134	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
135	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
136	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
137	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
138	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
139	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
140	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
141	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
142	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
143	0.000	0.000	0.000	0.000	0.911	0.630	0.968	0.630	0.000	0.282
144	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.000	0.630
145	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
146	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
147	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
148	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
149	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
150	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
151	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
152	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.282
153	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
154	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
155	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
156	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
157	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
158	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
159	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
160	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
161	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
162	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
163	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
164	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
165	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
167	0.000	0.000	0.000	0.000	0.911	0.630	0.630	0.630	0.282	0.000
168	0.000	0.000	0.000	0.000	0.630	0.630	0.630	0.630	0.282	0.000
169	0.000	0.000	0.000	0.000	0.630	0.630	0.630	0.630	0.282	0.000
170	0.000	0.000	0.000	0.000	0.630	0.630	0.630	0.630	0.282	0.000
171	0.000	0.000	0.000	0.000	0.630	0.630	0.282	0.630	0.282	0.000
172	0.000	0.000	0.282	0.000	0.630	0.630	0.282	0.630	0.282	0.000
173	0.000	0.000	0.282	0.000	0.630	0.630	0.282	0.630	0.282	0.000
174	0.000	0.000	0.282	0.000	0.911	0.630	0.282	0.630	0.282	0.000
175	0.000	0.000	0.282	0.000	0.282	0.630	0.282	0.630	0.000	0.000
176	0.000	0.000	0.282	0.000	0.282	0.630	0.282	0.630	0.000	0.000
177	0.000	0.000	0.282	0.000	0.282	0.630	0.282	0.630	0.000	0.000
178	0.000	0.000	0.282	0.630	0.282	0.630	0.282	0.630	0.000	0.000
179	0.000	0.282	0.282	0.630	0.282	0.630	0.282	0.630	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	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706	1957.706
1	1942.160	1934.061	1924.815	1930.331	1939.342	1949.330	1956.283
2	1933.779	1924.242	1915.691	1915.973	1928.320	1943.532	1951.341
3	1921.254	1925.792	1914.996	1914.601	1923.039	1938.712	1945.261
4	1921.254	1943.138	1923.387	1909.490	1916.668	1931.017	1940.150
5	1920.803	1962.710	1940.948	1905.637	1915.231	1928.724	1937.162
6	1913.446	1982.123	1954.385	1915.287	1925.792	1936.936	1929.466
7	1887.155	1992.223	1969.372	1927.521	1940.432	1950.711	1919.196
8	1830.430	1985.101	1980.685	1933.084	1954.216	1961.160	1914.084
9	1766.010	1964.608	1990.156	1941.465	1965.012	1971.214	1912.130
10	1706.531	1931.129	1993.088	1951.284	1970.349	1973.788	1914.028
11	1657.032	1887.099	1992.167	1955.653	1971.148	1973.506	1918.275
12	1622.764	1842.833	1983.438	1957.025	1965.294	1973.788	1927.972
13	1606.744	1824.576	1966.844	1953.069	1960.934	1976.720	1933.431
14	1607.148	1827.498	1955.137	1949.734	1952.609	1979.078	1937.735
15	1594.284	1839.789	1939.342	1950.025	1947.610	1980.741	1938.712
16	1555.130	1842.138	1919.647	1957.833	1943.880	1980.394	1938.768
17	1522.168	1830.374	1906.906	1967.530	1936.419	1975.169	1949.395
18	1503.507	1808.321	1912.590	1972.181	1933.262	1969.024	1966.327
19	1499.317	1776.975	1925.388	1970.631	1942.621	1965.238	1978.843
20	1497.945	1755.157	1941.070	1965.068	1952.891	1965.238	1985.674
21	1493.980	1749.068	1966.732	1969.541	1961.620	1973.788	1995.550
22	1488.126	1749.190	1982.752	1977.866	1971.326	1983.382	1999.684
23	1477.330	1756.360	1989.640	1988.606	1973.506	1986.886	2000.661
24	1465.387	1758.370	1979.135	2000.257	1968.226	1984.415	1988.437
25	1450.513	1757.854	1970.979	2003.762	1948.644	1971.956	1956.565
26	1432.829	1753.381	1964.833	2019.266	1936.072	1950.485	1926.422
27	1412.965	1751.718	1965.068	2028.277	1925.623	1918.961	1892.952
28	1396.494	1754.011	1966.046	2029.602	1925.219	1886.290	1861.607
29	1381.563	1753.719	1968.968	2020.130	1933.835	1852.934	1829.340
30	1374.441	1756.425	1968.113	2011.627	1938.487	1809.476	1803.557
31	1370.542	1773.414	1967.765	2013.356	1929.927	1770.943	1779.268
32	1371.575	1791.445	1967.417	2044.297	1914.545	1731.046	1754.931
33	1374.789	1807.860	1960.530	2079.261	1897.829	1696.994	1728.801
34	1374.789	1825.779	1951.463	2092.011	1883.077	1664.155	1708.655
35	1373.351	1837.148	1940.262	2088.450	1868.955	1638.606	1687.006
36	1367.206	1840.249	1927.916	2052.397	1861.494	1621.092	1659.043

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

37	1360.488	1844.440	1921.085	2017.772	1854.719	1599.105	1625.865
38	1345.388	1843.688	1917.007	1993.887	1843.810	1579.241	1585.151
39	1319.670	1837.092	1913.107	1981.371	1830.778	1549.154	1525.504
40	1292.854	1823.364	1909.490	1974.944	1812.511	1508.675	1461.826
41	1275.001	1810.106	1909.377	1964.260	1791.727	1461.882	1407.854
42	1257.721	1799.657	1909.715	1957.082	1771.459	1407.516	1353.196
43	1242.678	1788.175	1902.884	1954.385	1754.527	1356.870	1304.975
44	1233.432	1773.818	1892.548	1954.676	1737.642	1303.875	1264.721
45	1225.511	1760.898	1882.278	1954.385	1711.812	1261.339	1234.466
46	1214.715	1746.663	1870.909	1965.642	1658.132	1226.028	1212.300
47	1195.941	1732.597	1860.282	1976.316	1607.317	1193.470	1210.693
48	1169.416	1720.823	1850.698	1989.010	1556.446	1174.809	1234.174
49	1136.463	1707.678	1847.766	2003.593	1508.102	1164.079	1322.367
50	1102.580	1684.366	1847.710	2016.973	1466.073	1178.088	1451.321
51	1063.079	1650.953	1849.035	2033.332	1434.436	1299.516	1428.357
52	1017.385	1616.788	1850.980	2045.500	1431.110	1399.529	1240.893
53	964.334	1576.770	1840.709	2056.296	1432.312	1316.682	1061.763
54	906.744	1528.144	1810.736	2057.161	1412.627	1140.936	853.120
55	851.222	1472.622	1771.582	2037.297	1380.361	1000.791	692.182
56	801.215	1409.752	1718.474	1994.122	1387.934	858.457	596.472
57	759.759	1345.848	1654.965	1933.319	1430.536	763.095	532.634
58	725.087	1289.697	1563.220	1867.460	1401.831	694.192	492.493
59	692.529	1233.545	1463.207	1788.232	1305.604	646.422	458.798
60	652.746	1175.269	1383.396	1679.142	1214.254	611.694	433.476
61	599.403	1103.792	1354.465	1532.279	1127.104	583.618	413.668
62	531.140	1019.565	1372.317	1430.997	1079.503	556.632	395.233
63	457.474	939.697	1413.830	1396.203	1057.516	534.701	380.998
64	395.355	871.837	1424.109	1378.923	1036.384	516.153	361.482
65	355.731	805.979	1373.981	1389.372	1003.948	499.042	343.159
66	335.755	737.143	1279.079	1394.135	969.380	481.763	320.824
67	317.207	668.127	1133.701	1340.107	923.742	465.056	316.869
68	291.433	596.650	961.346	1235.274	861.041	444.216	305.725
69	259.796	526.827	899.284	1112.972	790.250	426.983	300.623
70	231.429	467.753	920.181	931.945	703.842	410.972	289.253
71	209.902	428.082	941.426	724.166	618.064	396.783	278.166
72	194.859	378.818	881.252	631.961	545.150	384.324	271.391
73	187.736	317.611	774.464	606.695	491.178	372.842	258.020
74	177.748	270.480	681.451	612.380	475.449	350.169	249.291
75	164.828	245.044	629.030	592.225	460.574	328.116	243.259
76	147.896	223.282	611.694	521.603	437.554	296.657	243.550
77	129.583	190.724	454.317	414.928	401.669	274.952	240.336
78	116.090	160.356	341.496	349.596	349.023	258.593	185.040
79	110.575	139.919	310.432	347.528	296.714	234.652	130.842
80	107.991	128.258	256.348	307.623	251.245	208.521	96.339
81	104.890	114.540	220.924	235.685	228.507	159.895	91.970
82	93.182	94.037	187.051	221.957	220.586	118.843	97.194
83	66.140	69.757	146.111	198.993	205.655	97.260	56.208
84	43.288	46.502	110.114	125.045	174.422	85.600	28.583
85	25.313	33.526	78.421	92.318	141.291	63.096	22.842
86	20.719	28.189	63.377	85.252	120.741	34.155	15.898
87	19.685	26.460	52.017	71.703	99.497	22.964	10.045
88	17.045	24.111	39.436	51.379	77.904	18.482	6.023
89	10.383	16.133	26.178	37.886	54.827	10.674	2.349
90	4.933	10.326	19.460	28.132	31.684	4.989	0.000
91	0.000	3.214	11.135	16.988	14.292	0.282	0.000
92	0.000	0.630	5.393	6.192	4.820	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

93	0.000	0.282	0.968	1.024	0.113	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.282	0.000	0.000	0.000	0.000	0.000
96	0.000	0.630	0.000	0.000	0.000	0.000	0.000
97	0.000	0.630	0.000	0.000	0.000	0.000	0.000
98	0.282	0.630	0.000	0.000	0.000	0.000	0.000
99	0.000	0.911	0.000	0.000	0.000	0.000	0.000
100	0.000	0.630	0.000	0.000	0.000	0.000	0.000
101	0.000	0.630	0.000	0.000	0.000	0.000	0.000
102	0.282	0.630	0.000	0.000	0.000	0.000	0.000
103	0.911	0.630	0.000	0.000	0.000	0.000	0.000
104	0.630	0.630	0.000	0.000	0.000	0.000	0.000
105	0.911	0.630	0.000	0.000	0.000	0.000	0.000
106	0.911	0.630	0.000	0.000	0.000	0.000	0.000
107	0.911	0.630	0.000	0.000	0.000	0.000	0.000
108	0.911	0.630	0.000	0.000	0.000	0.000	0.000
109	0.911	0.630	0.000	0.000	0.000	0.000	0.000
110	0.911	0.630	0.000	0.000	0.000	0.000	0.000
111	0.911	0.630	0.000	0.000	0.000	0.000	0.000
112	0.911	0.630	0.000	0.000	0.000	0.000	0.000
113	0.911	0.630	0.000	0.000	0.000	0.000	0.000
114	0.911	0.630	0.000	0.000	0.000	0.000	0.000
115	0.911	0.630	0.000	0.000	0.000	0.000	0.000
116	0.911	0.630	0.000	0.000	0.000	0.000	0.000
117	0.911	0.630	0.000	0.000	0.000	0.000	0.000
118	0.911	0.630	0.000	0.000	0.000	0.000	0.000
119	0.911	0.630	0.000	0.000	0.000	0.000	0.000
120	0.911	0.630	0.000	0.000	0.000	0.000	0.000
121	0.911	0.630	0.000	0.000	0.000	0.000	0.000
122	0.911	0.630	0.000	0.000	0.000	0.000	0.000
123	0.911	0.630	0.000	0.000	0.000	0.000	0.000
124	0.911	0.630	0.000	0.000	0.000	0.000	0.000
125	0.911	0.630	0.000	0.000	0.000	0.000	0.000
126	0.911	0.630	0.000	0.000	0.000	0.000	0.000
127	0.911	0.630	0.000	0.000	0.000	0.000	0.000
128	0.911	0.630	0.000	0.000	0.000	0.000	0.000
129	0.911	0.630	0.000	0.000	0.000	0.000	0.000
130	0.911	0.630	0.000	0.000	0.000	0.000	0.000
131	0.911	0.630	0.000	0.000	0.000	0.000	0.000
132	0.911	0.630	0.000	0.000	0.000	0.000	0.000
133	0.911	0.630	0.000	0.000	0.000	0.000	0.000
134	0.911	0.630	0.000	0.000	0.000	0.000	0.000
135	0.911	0.630	0.000	0.000	0.000	0.000	0.000
136	0.911	0.630	0.000	0.000	0.000	0.000	0.000
137	0.911	0.630	0.000	0.000	0.000	0.000	0.000
138	0.911	0.630	0.000	0.000	0.000	0.000	0.000
139	0.911	0.630	0.000	0.000	0.000	0.000	0.000
140	0.911	0.630	0.000	0.000	0.000	0.000	0.000
141	0.911	0.630	0.000	0.000	0.000	0.000	0.000
142	0.911	0.630	0.000	0.000	0.000	0.000	0.000
143	0.911	0.630	0.000	0.000	0.000	0.000	0.000
144	0.911	0.630	0.000	0.000	0.000	0.000	0.000
145	0.630	0.630	0.000	0.000	0.000	0.000	0.000
146	0.630	0.630	0.000	0.000	0.000	0.000	0.000
147	0.630	0.911	0.000	0.000	0.000	0.000	0.000
148	0.630	0.282	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

CANDELA TABULATION - (Cont.)

149	0.630	0.630	0.000	0.000	0.000	0.000	0.000
150	0.630	0.282	0.000	0.000	0.000	0.000	0.000
151	0.630	0.282	0.000	0.000	0.000	0.000	0.000
152	0.630	0.282	0.000	0.000	0.000	0.000	0.000
153	0.630	0.282	0.630	0.000	0.000	0.000	0.000
154	0.630	0.282	0.282	0.000	0.000	0.000	0.000
155	0.630	0.282	0.282	0.282	0.000	0.000	0.000
156	0.630	0.282	0.911	0.630	0.000	0.000	0.000
157	0.630	0.282	0.630	0.282	0.000	0.000	0.000
158	0.630	0.282	0.630	0.282	0.000	0.000	0.000
159	0.630	0.282	0.630	0.282	0.000	0.000	0.000
160	0.630	0.282	0.630	0.282	0.000	0.000	0.000
161	0.630	0.282	0.630	0.282	0.000	0.000	0.000
162	0.630	0.282	0.630	0.282	0.000	0.000	0.000
163	0.630	0.282	0.630	0.282	0.000	0.000	0.000
164	0.630	0.282	0.630	0.282	0.000	0.000	0.000
165	0.630	0.282	0.630	0.282	0.000	0.000	0.000
166	0.630	0.282	0.630	0.282	0.000	0.000	0.000
167	0.630	0.282	0.630	0.282	0.000	0.000	0.000
168	0.630	0.282	0.630	0.282	0.000	0.000	0.000
169	0.630	0.282	0.630	0.282	0.000	0.000	0.000
170	0.630	0.282	0.630	0.282	0.000	0.000	0.000
171	0.630	0.282	0.630	0.282	0.282	0.000	0.000
172	0.630	0.282	0.630	0.282	0.282	0.000	0.000
173	0.630	0.282	0.630	0.282	0.282	0.000	0.000
174	0.630	0.282	0.630	0.282	0.282	0.000	0.000
175	0.630	0.282	0.630	0.282	0.630	0.000	0.000
176	0.630	0.282	0.630	0.282	0.911	0.000	0.000
177	0.911	0.282	0.630	0.282	0.630	0.000	0.000
178	0.282	0.282	0.630	0.282	0.630	0.000	0.000
179	0.282	0.282	0.630	0.282	0.630	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-3500°K-P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	694.24	12.10	12.10
0-30	1480.7	25.80	25.80
0-40	2448.97	42.70	42.70
0-60	4546.14	79.20	79.20
0-80	5641.22	98.30	98.30
0-90	5736.55	99.90	99.90
10-90	5554.39	96.70	96.70
20-40	1754.73	30.60	30.60
20-50	2814.52	49.00	49.00
40-70	2824.17	49.20	49.20
60-80	1095.08	19.10	19.10
70-80	368.07	6.40	6.40
80-90	95.33	1.70	1.70
90-110	3.35	0.10	0.10
90-120	3.60	0.10	0.10
90-130	3.87	0.10	0.10
90-150	4.29	0.10	0.10
90-180	4.54	0.10	0.10
110-180	1.19	0.00	0.00
0-180	5741.09	100.00	100.00

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	182.16
10-20	512.08
20-30	786.45
30-40	968.27
40-50	1059.79
50-60	1037.37
60-70	727.01
70-80	368.07
80-90	95.33
90-100	3.12
100-110	0.23
110-120	0.25
120-130	0.27
130-140	0.24
140-150	0.18
150-160	0.13
160-170	0.09
170-180	0.03

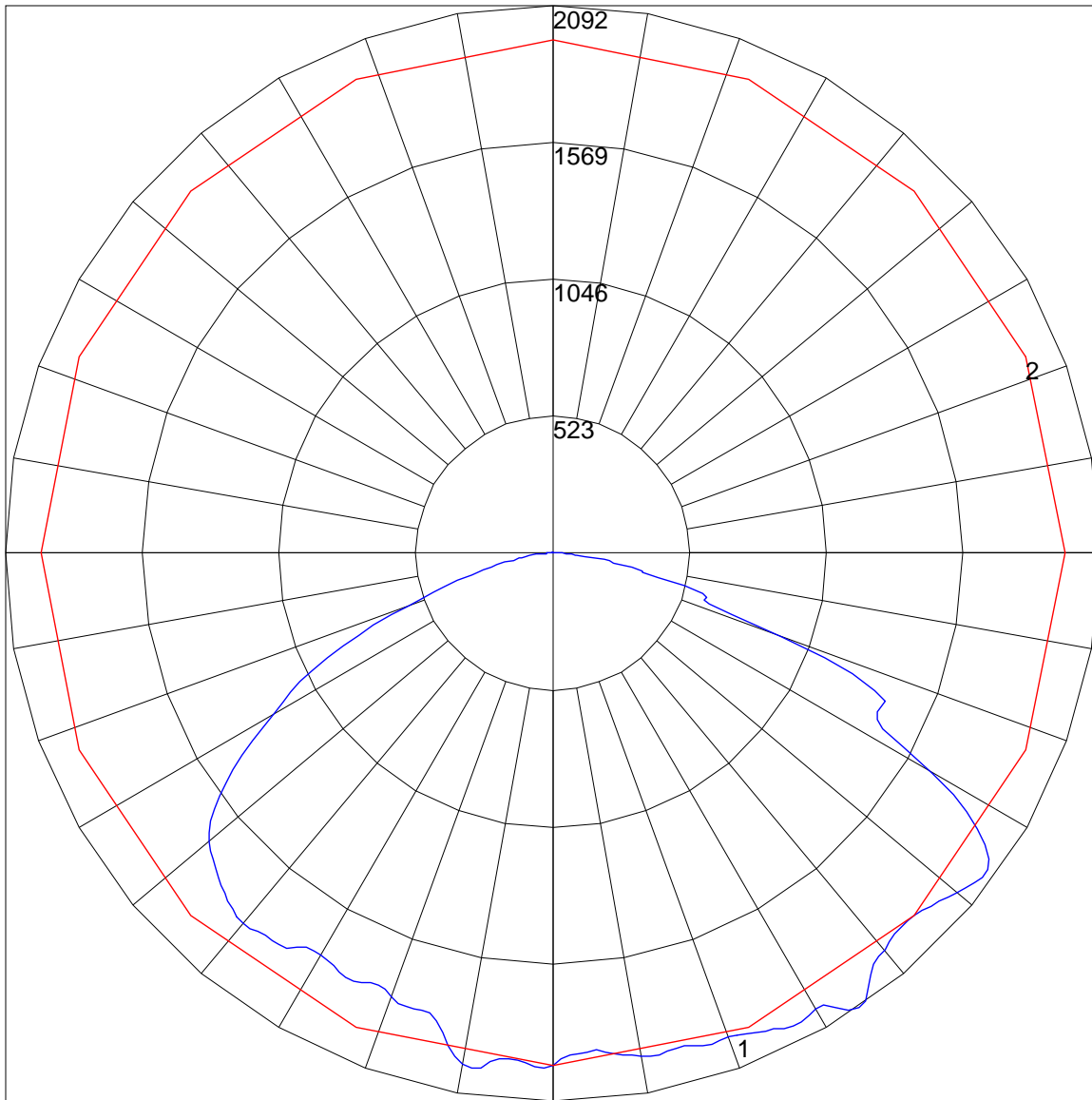
IES INDOOR REPORT
PHOTOMETRIC FILENAME : BLS-8A-3500°K-P.IES

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 = 2092.011 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)