



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BLS-8A-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]

[MANUFAC] BEGHELLI

[LUMCAT] BLS-8A-5700°K

[OTHER] TOTAL LUMINAIRE WATTS REPRESENT LUMINAIRE POWER DELIVERY

CHARACTERISTICS

Lumens Per Lamp	8148.29 (1 lamp)
Total Lamp Lumens	8148.29
Luminaire Lumens	6518
Total Luminaire Efficiency	80 %
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	45.3
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	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698
1	2221.088	2221.672	2228.776	2229.096	2234.304	2233.200	2229.880	2225.384	2224.136	2214.112
2	2215.472	2217.632	2228.128	2222.776	2229.168	2229.232	2219.776	2210.832	2209.800	2200.208
3	2208.568	2207.720	2216.192	2204.784	2215.536	2214.824	2202.760	2183.536	2186.072	2182.872
4	2202.760	2197.032	2204.008	2189.392	2196.112	2201.200	2187.512	2151.192	2164.104	2160.520
5	2199.368	2191.352	2195.328	2179.560	2186.992	2198.720	2170.304	2122.248	2139.016	2149.448
6	2190.640	2187.184	2194.808	2176.360	2190.112	2203.216	2159.216	2093.120	2089.600	2117.176
7	2178.968	2180.408	2201.072	2175.640	2203.472	2221.800	2147.288	2037.712	2018.024	2057.728
8	2173.176	2177.664	2211.240	2175.576	2221.992	2252.960	2116.784	1990.968	1964.504	2005.568
9	2170.952	2177.664	2217.824	2174.472	2238.816	2260.456	2065.288	1960.664	1933.416	1968.608
10	2173.112	2183.664	2222.840	2175.576	2259.144	2249.504	2003.944	1927.608	1920.048	1929.440
11	2177.928	2191.488	2226.160	2180.800	2271.864	2222.576	1944.816	1884.784	1875.200	1871.808
12	2188.936	2198.200	2229.096	2184.248	2265.280	2183.064	1895.344	1829.304	1818.232	1800.040
13	2195.136	2199.824	2228.840	2185.416	2255.368	2132.752	1855.768	1782.960	1783.488	1759.176
14	2200.016	2206.472	2228.840	2186.520	2242.720	2090.832	1825.592	1748.872	1750.752	1733.160
15	2201.136	2216.904	2218.216	2182.808	2225.448	2062.936	1818.296	1721.624	1717.848	1715.944
16	2201.200	2226.744	2205.304	2182.416	2201.912	2059.672	1803.432	1703.440	1683.688	1698.280
17	2213.256	2232.880	2194.808	2183.928	2179.624	2066.128	1761.520	1688.696	1647.176	1677.688
18	2232.488	2237.368	2185.552	2187.256	2159.616	2068.616	1727.024	1672.544	1612.432	1655.400
19	2246.696	2242.656	2178.704	2197.160	2147.288	2063.456	1708.776	1655.400	1574.632	1626.320
20	2254.448	2242.400	2178.312	2206.344	2147.288	2047.368	1696.728	1630.752	1532.576	1589.168
21	2265.664	2236.464	2177.928	2209.088	2147.024	2026.296	1688.896	1591.312	1476.264	1545.616
22	2270.360	2231.968	2162.672	2208.112	2153.224	2019.000	1678.928	1543.992	1405.016	1495.024
23	2271.464	2230.336	2145.992	2208.432	2188.160	2023.896	1667.384	1490.472	1326.848	1440.872
24	2257.584	2225.192	2135.808	2215.472	2216.512	2037.264	1656.632	1431.416	1237.160	1378.608
25	2221.408	2221.344	2121.216	2220.360	2213.448	2048.016	1643.656	1370.080	1135.336	1313.888
26	2187.184	2213.640	2115.608	2234.584	2213.184	2048.856	1628.344	1298.176	1026.152	1249.608
27	2149.176	2197.032	2113.656	2231.448	2215.344	2041.880	1611.136	1225.160	924.584	1193.424
28	2113.592	2175.184	2111.040	2201.528	2214.176	2028.192	1593.208	1159.848	833.392	1144.728
29	2076.952	2146.184	2106.216	2180.664	2205.632	2017.440	1572.864	1099.096	753.928	1089.704
30	2047.688	2111.368	2101.392	2171.208	2183.864	2014.440	1558.328	1041.464	681.240	1030.520
31	2020.104	2074.480	2093.184	2159.488	2177.992	2013.080	1549.072	989.904	618.728	971.528
32	1992.480	2033.008	2084.120	2148.000	2180.136	2016.920	1549.072	936.128	578.512	920.160
33	1962.808	1992.416	2071.408	2148.784	2193.312	2039.336	1549.784	885.080	545.272	872.696
34	1939.936	1957.208	2057.856	2170.304	2193.968	2063.976	1549.456	840.432	517.432	829.744
35	1915.360	1927.608	2037.712	2195.720	2184.248	2073.560	1549.072	796.040	495.536	788.024
36	1883.600	1896.840	2029.552	2210.640	2167.760	2073.232	1548.616	757.448	475.128	749.104
37	1845.944	1863.536	2022.192	2207.720	2154.856	2075.656	1544.776	720.360	459.744	707.520
38	1799.712	1827.096	2012.152	2186.392	2143.960	2083.792	1531.864	685.360	445.072	663.448
39	1731.992	1778.144	1995.136	2162.280	2135.808	2092.408	1514.848	651.400	429.312	626.944
40	1659.696	1723.440	1974.744	2151.328	2129.104	2094.288	1490.664	617.560	416.464	590.768
41	1598.416	1665.096	1955.840	2154.792	2120.432	2089.728	1466.352	586.536	402.192	560.784
42	1536.352	1595.288	1934.592	2169.000	2109.736	2077.472	1442.232	559.944	388.424	535.296
43	1481.616	1532.312	1907.600	2170.688	2099.176	2066.064	1422.744	538.160	376.768	519.072
44	1435.912	1466.608	1871.944	2165.800	2091.688	2052.440	1410.168	519.072	367.376	505.576
45	1401.560	1407.680	1825.784	2158.504	2084.712	2040.328	1395.560	504.728	359.424	492.600
46	1376.392	1361.208	1778.920	2156.416	2074.544	2020.832	1382.192	494.560	352.448	480.872
47	1374.568	1324.832	1732.896	2161.960	2066.000	2000.296	1367.728	484.064	345.672	471.088
48	1401.232	1309.968	1678.928	2167.560	2054.272	1983.736	1353.192	475.000	337.720	466.784
49	1501.352	1307.496	1606.048	2169.912	2038.560	1965.360	1338.728	467.312	332.240	460.984
50	1647.768	1328.160	1523.848	2169.592	2029.880	1946.120	1320.528	463.136	328.784	456.416
51	1621.696	1448.624	1467.656	2165.608	2022.904	1922.728	1291.912	460.464	324.032	453.096
52	1408.856	1565.440	1430.688	2161.752	2018.152	1883.880	1254.368	457.920	323.304	447.232
53	1205.472	1493.016	1417.920	2159.024	2020.768	1839.744	1205.016	454.528	322.912	438.888

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54	968.592	1282.728	1415.832	2151.064	2030.136	1786.736	1144.856	451.008	323.304	428.976
55	785.864	1105.152	1414.720	2142.992	2035.424	1732.120	1081.432	443.904	323.712	419.064
56	677.200	929.280	1426.520	2150.544	2022.000	1674.944	1018.384	429.960	325.264	408.960
57	604.720	817.952	1485.584	2130.016	1977.872	1610.736	957.840	414.768	328.984	391.168
58	559.152	737.960	1456.048	2102.696	1918.352	1536.760	899.096	393.120	333.152	373.440
59	520.888	695.336	1357.296	2058.056	1844.040	1467.200	848.440	373.376	342.736	360.656
60	492.144	656.344	1245.824	1989.272	1765.488	1402.400	811.232	359.944	351.736	353.680
61	469.648	625.640	1131.232	1904.736	1671.880	1341.576	772.448	352.448	361.832	352.584
62	448.720	595.400	1054.184	1769.728	1578.152	1286.248	719.384	349.064	361.384	348.024
63	432.560	563.592	1007.824	1651.096	1483.168	1230.568	645.328	343.192	357.992	333.152
64	410.408	535.952	974.528	1565.240	1422.808	1164.016	565.744	330.152	347.896	310.608
65	389.600	511.704	949.296	1434.080	1409.832	1079.664	490.784	311.120	331.400	288.952
66	364.240	486.792	934.888	1314.016	1437.352	994.536	426.504	291.432	327.488	275.064
67	359.752	473.168	925.048	1211.992	1413.752	915.136	392.216	277.352	333.408	276.768
68	347.096	460.600	906.328	1157.496	1303.256	838.416	377.216	274.352	338.240	285.240
69	341.312	445.472	888.664	1179.792	1169.888	747.936	346.968	273.960	329.176	283.416
70	328.400	425.648	843.888	1127.520	1022.896	670.680	305.448	263.992	304.864	265.616
71	315.808	413.072	773.880	1022.248	892.120	603.480	267.512	235.440	275.984	236.944
72	308.120	393.328	693.504	917.544	811.816	543.704	237.848	208.520	249.200	223.256
73	292.944	380.088	620.240	779.160	829.544	492.464	221.032	205.256	214.976	230.096
74	283.032	368.688	554.392	643.496	857.640	430.608	206.496	219.280	171.304	247.104
75	276.176	349.064	504.600	539.536	793.112	363.136	197.240	234.656	133.816	235.248
76	276.512	327.616	465.936	516.520	681.904	306.496	188.640	221.160	130.104	190.648
77	272.864	296.848	441.168	534.704	582.552	273.512	172.728	174.624	139.800	132.376
78	210.080	277.872	413.328	501.472	528.000	248.088	155.192	120.456	137.400	89.616
79	148.544	262.232	384.192	433.408	453.416	210.600	134.144	86.680	120.968	80.496
80	109.376	236.608	345.544	353.360	345.408	174.432	118.296	85.568	101.536	86.160
81	104.408	182.960	299.456	306.352	351.864	149.776	118.552	94.832	87.664	86.296
82	110.344	139.024	259.160	303.760	362.488	133.424	113.736	90.072	75.216	79.256
83	63.808	98.096	231.720	260.408	287.200	118.760	104.408	74.168	35.648	66.664
84	32.448	93.008	216.152	211.648	209.240	99.528	84.272	55.592	9.440	55.976
85	25.928	73.184	187.000	203.040	149.904	72.800	55.072	48.936	0.000	49.464
86	18.048	38.056	149.992	178.728	113.736	49.984	34.992	48.032	0.000	36.488
87	11.400	25.864	118.488	124.104	85.968	34.928	24.432	38.056	0.000	22.544
88	6.824	20.320	96.008	91.896	68.888	28.936	22.280	23.256	0.000	14.528
89	2.656	13.928	80.560	84.920	59.768	28.144	20.640	14.120	0.000	9.888
90	0.000	8.272	54.944	70.184	50.896	23.064	13.672	6.568	0.000	0.712
91	0.000	2.592	35.712	46.336	38.392	14.592	5.920	0.000	0.000	0.000
92	0.000	0.064	14.920	27.680	27.296	7.424	0.000	0.000	0.000	0.000
93	0.000	0.000	4.424	14.120	15.632	0.712	0.000	0.000	0.000	0.000
94	0.000	0.000	0.000	2.984	5.784	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	0.320	0.000	0.000	0.000	0.000	0.000
98	0.000	0.000	0.000	0.000	0.000	0.320	0.000	0.000	0.000	0.000
99	0.000	0.000	0.000	0.000	1.032	0.712	0.320	0.000	0.000	0.000
100	0.000	0.000	0.000	0.000	0.712	0.320	0.000	0.000	0.000	0.000
101	0.000	0.000	0.000	0.000	0.712	1.096	0.000	0.000	0.000	0.000
102	0.000	0.000	0.000	0.000	0.712	0.712	0.712	0.000	0.000	0.000
103	0.000	0.000	0.000	0.000	0.712	0.712	0.712	0.000	0.000	0.000
104	0.000	0.000	0.000	0.000	0.712	0.712	1.096	0.000	0.000	0.000
105	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.320
106	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
107	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
108	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
109	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

110	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
111	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
112	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
113	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
114	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
115	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
116	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
117	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
118	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
119	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
120	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
121	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
122	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.000
123	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.320
124	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.000	0.000	0.712
125	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.320	0.000	0.712
126	0.000	0.000	0.000	0.000	1.032	0.712	1.096	1.032	0.000	0.712
127	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.712
128	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.712
129	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.712
130	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
131	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
132	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
133	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
134	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
135	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
136	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
137	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
138	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
139	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
140	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
141	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
142	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
143	0.000	0.000	0.000	0.000	1.032	0.712	1.096	0.712	0.000	0.320
144	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.000	0.712
145	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
146	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
147	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
148	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
149	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
150	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
151	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
152	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.320
153	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
154	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
155	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
156	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
157	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
158	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
159	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
160	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
161	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
162	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
163	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
164	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
165	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000

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CANDELA TABULATION - (Cont.)

166	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
167	0.000	0.000	0.000	0.000	1.032	0.712	0.712	0.712	0.320	0.000
168	0.000	0.000	0.000	0.000	0.712	0.712	0.712	0.712	0.320	0.000
169	0.000	0.000	0.000	0.000	0.712	0.712	0.712	0.712	0.320	0.000
170	0.000	0.000	0.000	0.000	0.712	0.712	0.712	0.712	0.320	0.000
171	0.000	0.000	0.000	0.000	0.712	0.712	0.320	0.712	0.320	0.000
172	0.000	0.000	0.320	0.000	0.712	0.712	0.320	0.712	0.320	0.000
173	0.000	0.000	0.320	0.000	0.712	0.712	0.320	0.712	0.320	0.000
174	0.000	0.000	0.320	0.000	1.032	0.712	0.320	0.712	0.320	0.000
175	0.000	0.000	0.320	0.000	0.320	0.712	0.320	0.712	0.000	0.000
176	0.000	0.000	0.320	0.000	0.320	0.712	0.320	0.712	0.000	0.000
177	0.000	0.000	0.320	0.000	0.320	0.712	0.320	0.712	0.000	0.000
178	0.000	0.000	0.320	0.712	0.320	0.712	0.320	0.712	0.000	0.000
179	0.000	0.320	0.320	0.712	0.320	0.712	0.320	0.712	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	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698	2222.698
1	2205.048	2195.848	2185.352	2191.616	2201.848	2213.184	2221.088
2	2195.528	2184.704	2174.992	2175.312	2189.328	2206.600	2215.472
3	2181.312	2186.456	2174.208	2173.760	2183.344	2201.136	2208.568
4	2181.312	2206.152	2183.736	2167.952	2176.104	2192.392	2202.760
5	2180.800	2228.384	2203.664	2163.584	2174.472	2189.792	2199.368
6	2172.440	2250.416	2218.928	2174.536	2186.456	2199.112	2190.640
7	2142.600	2261.888	2235.944	2188.424	2203.080	2214.760	2178.968
8	2078.192	2253.800	2248.792	2194.744	2218.736	2226.616	2173.176
9	2005.048	2230.528	2259.544	2204.264	2231.000	2238.040	2170.952
10	1937.520	2192.520	2262.872	2215.408	2237.048	2240.952	2173.112
11	1881.328	2142.536	2261.824	2220.360	2237.952	2240.632	2177.928
12	1842.416	2092.280	2251.912	2221.928	2231.320	2240.952	2188.936
13	1824.224	2071.552	2233.072	2217.440	2226.360	2244.280	2195.136
14	1824.688	2074.864	2219.776	2213.640	2216.904	2246.960	2200.016
15	1810.080	2088.824	2201.848	2213.984	2211.240	2248.856	2201.136
16	1765.632	2091.480	2179.480	2222.840	2206.992	2248.456	2201.200
17	1728.208	2078.128	2165.016	2233.848	2198.528	2242.528	2213.256
18	1707.024	2053.088	2171.472	2239.136	2194.944	2235.552	2232.488
19	1702.256	2017.504	2186.000	2237.368	2205.568	2231.256	2246.696
20	1700.704	1992.736	2203.816	2231.064	2217.224	2231.256	2254.448
21	1696.192	1985.816	2232.944	2236.136	2227.136	2240.952	2265.664
22	1689.560	1985.960	2251.128	2245.592	2238.168	2251.848	2270.360
23	1677.296	1994.096	2258.952	2257.776	2240.632	2255.832	2271.464
24	1663.736	1996.384	2247.024	2271.008	2234.648	2253.024	2257.584
25	1646.848	1995.792	2237.760	2274.984	2212.408	2238.880	2221.408
26	1626.768	1990.712	2230.784	2292.592	2198.136	2214.504	2187.184
27	1604.216	1988.824	2231.064	2302.824	2186.264	2178.704	2149.176
28	1585.520	1991.424	2232.168	2304.328	2185.808	2141.616	2113.592
29	1568.568	1991.096	2235.488	2293.568	2195.592	2103.744	2076.952
30	1560.480	1994.168	2234.520	2283.920	2200.880	2054.408	2047.688
31	1556.048	2013.464	2234.112	2285.880	2191.160	2010.656	2020.104
32	1557.232	2033.936	2233.720	2321.008	2173.696	1965.360	1992.480
33	1560.880	2052.568	2225.904	2360.712	2154.712	1926.696	1962.808
34	1560.880	2072.912	2215.608	2375.184	2137.968	1889.408	1939.936
35	1559.240	2085.824	2202.888	2371.144	2121.928	1860.408	1915.360
36	1552.264	2089.344	2188.872	2330.208	2113.464	1840.520	1883.600

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CANDELA TABULATION - (Cont.)

37	1544.640	2094.096	2181.120	2290.896	2105.768	1815.552	1845.944
38	1527.496	2093.248	2176.488	2263.776	2093.384	1793.000	1799.712
39	1498.296	2085.760	2172.056	2249.568	2078.592	1758.848	1731.992
40	1467.848	2070.168	2167.952	2242.272	2057.856	1712.880	1659.696
41	1447.576	2055.120	2167.824	2230.136	2034.256	1659.760	1598.416
42	1427.960	2043.248	2168.208	2221.992	2011.240	1598.032	1536.352
43	1410.880	2030.224	2160.456	2218.928	1992.016	1540.536	1481.616
44	1400.384	2013.920	2148.720	2219.256	1972.848	1480.360	1435.912
45	1391.392	1999.248	2137.056	2218.928	1943.520	1432.072	1401.560
46	1379.128	1983.088	2124.152	2231.712	1882.568	1391.976	1376.392
47	1357.816	1967.112	2112.088	2243.824	1824.880	1355.008	1374.568
48	1327.696	1953.752	2101.200	2258.240	1767.120	1333.824	1401.232
49	1290.288	1938.824	2097.872	2274.792	1712.232	1321.648	1501.352
50	1251.824	1912.360	2097.808	2289.984	1664.512	1337.544	1647.768
51	1206.976	1874.424	2099.320	2308.560	1628.600	1475.416	1621.696
52	1155.096	1835.632	2101.520	2322.376	1624.816	1588.968	1408.856
53	1094.864	1790.200	2089.864	2334.632	1626.184	1494.896	1205.472
54	1029.480	1734.992	2055.832	2335.616	1603.832	1295.368	968.592
55	966.432	1671.944	2011.376	2313.064	1567.200	1136.248	785.864
56	909.664	1600.568	1951.080	2264.040	1575.800	974.656	677.200
57	862.600	1528.016	1878.976	2195.008	1624.168	866.384	604.720
58	823.224	1464.264	1774.816	2120.240	1591.576	788.152	559.152
59	786.264	1400.512	1661.256	2030.288	1482.328	733.920	520.888
60	741.096	1334.344	1570.648	1906.424	1378.608	694.480	492.144
61	680.528	1253.192	1537.800	1739.680	1279.664	662.608	469.648
62	603.032	1157.560	1558.072	1624.688	1225.616	631.968	448.720
63	519.392	1066.888	1605.200	1585.192	1200.656	607.072	432.560
64	448.864	989.840	1616.872	1565.568	1176.664	586.016	410.408
65	403.880	915.072	1559.952	1577.432	1139.832	566.584	389.600
66	381.192	836.912	1452.208	1582.840	1100.592	546.968	364.240
67	360.136	758.560	1287.152	1521.496	1048.768	528.000	359.752
68	330.880	677.400	1091.464	1402.472	977.584	504.344	347.096
69	294.952	598.128	1021.000	1263.616	897.216	484.776	341.312
70	262.744	531.056	1044.728	1058.088	799.104	466.592	328.400
71	238.304	486.016	1068.848	822.184	701.712	450.488	315.808
72	221.224	430.088	1000.528	717.496	618.928	436.336	308.120
73	213.144	360.592	879.296	688.816	557.656	423.304	292.944
74	201.800	307.088	773.688	695.272	539.800	397.560	283.032
75	187.128	278.200	714.168	672.384	522.912	372.528	276.176
76	167.912	253.496	694.480	592.200	496.768	336.800	276.512
77	147.120	216.536	515.808	471.088	456.032	312.160	272.864
78	131.792	182.056	387.712	396.912	396.256	293.592	210.080
79	125.528	158.848	352.448	394.560	336.864	266.408	148.544
80	122.600	145.608	291.040	349.256	285.240	236.736	109.376
81	119.080	130.040	250.816	267.576	259.432	181.536	104.408
82	105.792	106.760	212.360	251.992	250.432	134.920	110.344
83	75.088	79.192	165.880	225.920	233.488	110.416	63.808
84	49.144	52.792	125.008	141.960	198.024	97.176	32.448
85	28.736	38.056	89.032	104.800	160.400	71.624	25.928
86	23.512	32.000	71.944	96.784	137.080	38.776	18.048
87	22.344	30.032	59.048	81.400	112.960	26.064	11.400
88	19.344	27.360	44.768	58.320	88.440	20.976	6.824
89	11.784	18.312	29.712	43.008	62.240	12.112	2.656
90	5.592	11.720	22.088	31.936	35.968	5.656	0.000
91	0.000	3.648	12.632	19.280	16.216	0.320	0.000
92	0.000	0.712	6.112	7.016	5.464	0.000	0.000

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CANDELA TABULATION - (Cont.)

93	0.000	0.320	1.096	1.160	0.128	0.000	0.000
94	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95	0.000	0.320	0.000	0.000	0.000	0.000	0.000
96	0.000	0.712	0.000	0.000	0.000	0.000	0.000
97	0.000	0.712	0.000	0.000	0.000	0.000	0.000
98	0.320	0.712	0.000	0.000	0.000	0.000	0.000
99	0.000	1.032	0.000	0.000	0.000	0.000	0.000
100	0.000	0.712	0.000	0.000	0.000	0.000	0.000
101	0.000	0.712	0.000	0.000	0.000	0.000	0.000
102	0.320	0.712	0.000	0.000	0.000	0.000	0.000
103	1.032	0.712	0.000	0.000	0.000	0.000	0.000
104	0.712	0.712	0.000	0.000	0.000	0.000	0.000
105	1.032	0.712	0.000	0.000	0.000	0.000	0.000
106	1.032	0.712	0.000	0.000	0.000	0.000	0.000
107	1.032	0.712	0.000	0.000	0.000	0.000	0.000
108	1.032	0.712	0.000	0.000	0.000	0.000	0.000
109	1.032	0.712	0.000	0.000	0.000	0.000	0.000
110	1.032	0.712	0.000	0.000	0.000	0.000	0.000
111	1.032	0.712	0.000	0.000	0.000	0.000	0.000
112	1.032	0.712	0.000	0.000	0.000	0.000	0.000
113	1.032	0.712	0.000	0.000	0.000	0.000	0.000
114	1.032	0.712	0.000	0.000	0.000	0.000	0.000
115	1.032	0.712	0.000	0.000	0.000	0.000	0.000
116	1.032	0.712	0.000	0.000	0.000	0.000	0.000
117	1.032	0.712	0.000	0.000	0.000	0.000	0.000
118	1.032	0.712	0.000	0.000	0.000	0.000	0.000
119	1.032	0.712	0.000	0.000	0.000	0.000	0.000
120	1.032	0.712	0.000	0.000	0.000	0.000	0.000
121	1.032	0.712	0.000	0.000	0.000	0.000	0.000
122	1.032	0.712	0.000	0.000	0.000	0.000	0.000
123	1.032	0.712	0.000	0.000	0.000	0.000	0.000
124	1.032	0.712	0.000	0.000	0.000	0.000	0.000
125	1.032	0.712	0.000	0.000	0.000	0.000	0.000
126	1.032	0.712	0.000	0.000	0.000	0.000	0.000
127	1.032	0.712	0.000	0.000	0.000	0.000	0.000
128	1.032	0.712	0.000	0.000	0.000	0.000	0.000
129	1.032	0.712	0.000	0.000	0.000	0.000	0.000
130	1.032	0.712	0.000	0.000	0.000	0.000	0.000
131	1.032	0.712	0.000	0.000	0.000	0.000	0.000
132	1.032	0.712	0.000	0.000	0.000	0.000	0.000
133	1.032	0.712	0.000	0.000	0.000	0.000	0.000
134	1.032	0.712	0.000	0.000	0.000	0.000	0.000
135	1.032	0.712	0.000	0.000	0.000	0.000	0.000
136	1.032	0.712	0.000	0.000	0.000	0.000	0.000
137	1.032	0.712	0.000	0.000	0.000	0.000	0.000
138	1.032	0.712	0.000	0.000	0.000	0.000	0.000
139	1.032	0.712	0.000	0.000	0.000	0.000	0.000
140	1.032	0.712	0.000	0.000	0.000	0.000	0.000
141	1.032	0.712	0.000	0.000	0.000	0.000	0.000
142	1.032	0.712	0.000	0.000	0.000	0.000	0.000
143	1.032	0.712	0.000	0.000	0.000	0.000	0.000
144	1.032	0.712	0.000	0.000	0.000	0.000	0.000
145	0.712	0.712	0.000	0.000	0.000	0.000	0.000
146	0.712	0.712	0.000	0.000	0.000	0.000	0.000
147	0.712	1.032	0.000	0.000	0.000	0.000	0.000
148	0.712	0.320	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

149	0.712	0.712	0.000	0.000	0.000	0.000	0.000
150	0.712	0.320	0.000	0.000	0.000	0.000	0.000
151	0.712	0.320	0.000	0.000	0.000	0.000	0.000
152	0.712	0.320	0.000	0.000	0.000	0.000	0.000
153	0.712	0.320	0.712	0.000	0.000	0.000	0.000
154	0.712	0.320	0.320	0.000	0.000	0.000	0.000
155	0.712	0.320	0.320	0.320	0.000	0.000	0.000
156	0.712	0.320	1.032	0.712	0.000	0.000	0.000
157	0.712	0.320	0.712	0.320	0.000	0.000	0.000
158	0.712	0.320	0.712	0.320	0.000	0.000	0.000
159	0.712	0.320	0.712	0.320	0.000	0.000	0.000
160	0.712	0.320	0.712	0.320	0.000	0.000	0.000
161	0.712	0.320	0.712	0.320	0.000	0.000	0.000
162	0.712	0.320	0.712	0.320	0.000	0.000	0.000
163	0.712	0.320	0.712	0.320	0.000	0.000	0.000
164	0.712	0.320	0.712	0.320	0.000	0.000	0.000
165	0.712	0.320	0.712	0.320	0.000	0.000	0.000
166	0.712	0.320	0.712	0.320	0.000	0.000	0.000
167	0.712	0.320	0.712	0.320	0.000	0.000	0.000
168	0.712	0.320	0.712	0.320	0.000	0.000	0.000
169	0.712	0.320	0.712	0.320	0.000	0.000	0.000
170	0.712	0.320	0.712	0.320	0.000	0.000	0.000
171	0.712	0.320	0.712	0.320	0.320	0.000	0.000
172	0.712	0.320	0.712	0.320	0.320	0.000	0.000
173	0.712	0.320	0.712	0.320	0.320	0.000	0.000
174	0.712	0.320	0.712	0.320	0.320	0.000	0.000
175	0.712	0.320	0.712	0.320	0.712	0.000	0.000
176	0.712	0.320	0.712	0.320	1.032	0.000	0.000
177	1.032	0.320	0.712	0.320	0.712	0.000	0.000
178	0.320	0.320	0.712	0.320	0.712	0.000	0.000
179	0.320	0.320	0.712	0.320	0.712	0.000	0.000
180	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	788.22	9.70	12.10
0-30	1681.12	20.60	25.80
0-40	2780.46	34.10	42.70
0-60	5161.49	63.30	79.20
0-80	6404.78	78.60	98.30
0-90	6513.01	79.90	99.90
10-90	6306.19	77.40	96.70
20-40	1992.24	24.40	30.60
20-50	3195.48	39.20	49.00
40-70	3206.44	39.40	49.20
60-80	1243.3	15.30	19.10
70-80	417.89	5.10	6.40
80-90	108.23	1.30	1.70
90-110	3.80	0.00	0.10
90-120	4.09	0.10	0.10
90-130	4.39	0.10	0.10
90-150	4.87	0.10	0.10
90-180	5.15	0.10	0.10
110-180	1.35	0.00	0.00
0-180	6518.16	80.00	100.00

Total Luminaire Efficiency = 80.00%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.82
10-20	581.40
20-30	892.90
30-40	1099.34
40-50	1203.24
50-60	1177.79
60-70	825.41
70-80	417.89
80-90	108.23
90-100	3.54
100-110	0.26
110-120	0.28
120-130	0.30
130-140	0.27
140-150	0.21
150-160	0.15
160-170	0.10
170-180	0.03

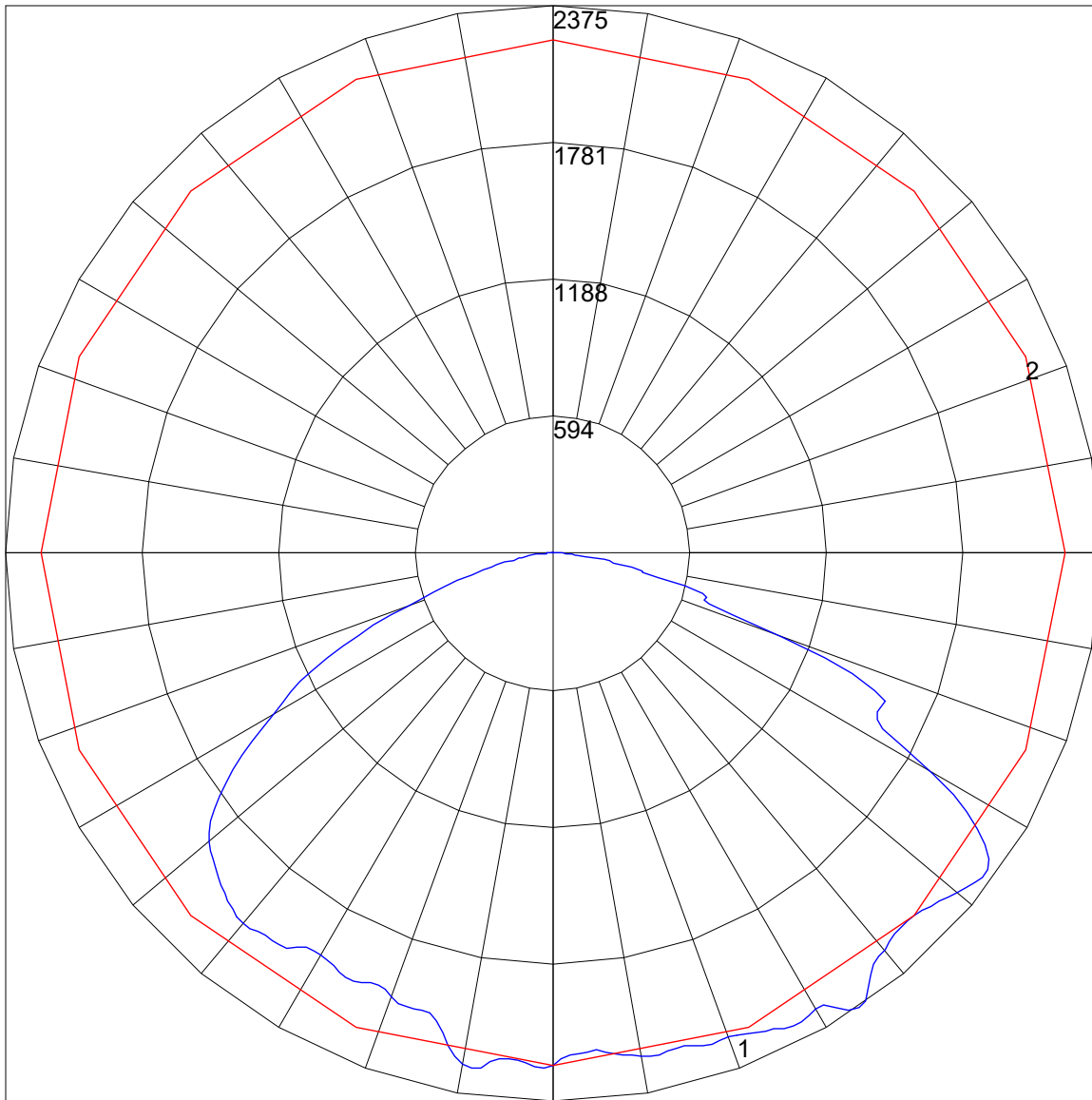
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	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 = 2375.184 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)