



IES INDOOR REPORT

PHOTOMETRIC FILENAME : SLLED8HTHOWT40120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-1995
 [TEST] SLLED8HTHOWT40120-277V
 [TESTLAB] BEGHELLI
 [TESTDATE] 2017-07-18
 [ISSUEDATE] 2017-07-19 08:44:54
 [NEARFIELD]
 [LAMPPOSITION] 0,0
 [MANUFAC] BEGHELLI

CHARACTERISTICS

Lumens Per Lamp	1000 (1 lamp)
Total Lamp Lumens	1000
Luminaire Lumens	5841
Total Luminaire Efficiency	584 %
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	54.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Unknown
Luminous Length (0-180)	0.61 m (Diameter)
Luminous Width (90-270)	0.44 m (Diameter)
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</u>	<u>15</u>	<u>30</u>	<u>45</u>	<u>60</u>	<u>75</u>	<u>90</u>	<u>105</u>	<u>120</u>	<u>135</u>
0	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703
1	1746.280	1769.740	1782.140	1784.200	1782.260	1776.340	1767.170	1776.340	1782.260	1784.200
2	1743.990	1768.540	1781.110	1782.650	1780.200	1773.300	1763.630	1773.300	1780.200	1782.650
3	1741.420	1766.930	1779.850	1780.760	1777.620	1769.720	1759.840	1769.720	1777.620	1780.760
4	1738.420	1764.970	1778.200	1778.330	1774.580	1765.710	1755.460	1765.710	1774.580	1778.330
5	1735.030	1762.730	1776.140	1775.580	1771.140	1761.460	1750.660	1761.460	1771.140	1775.580
6	1731.450	1760.150	1773.720	1772.320	1767.260	1756.580	1745.410	1756.580	1767.260	1772.320
7	1727.600	1757.170	1770.840	1768.810	1762.890	1751.370	1739.810	1751.370	1762.890	1768.810
8	1723.040	1753.630	1767.650	1764.780	1758.270	1745.570	1733.650	1745.570	1758.270	1764.780
9	1718.160	1749.790	1763.930	1760.380	1753.080	1739.570	1727.320	1739.570	1753.080	1760.380
10	1712.640	1745.340	1759.970	1755.610	1747.480	1733.020	1720.450	1733.020	1747.480	1755.610
11	1706.520	1740.460	1755.310	1750.390	1741.500	1726.150	1713.130	1726.150	1741.500	1750.390
12	1699.660	1734.900	1750.090	1744.730	1735.080	1718.920	1705.460	1718.920	1735.080	1744.730
13	1691.730	1728.540	1744.350	1738.570	1728.400	1711.130	1697.390	1711.130	1728.400	1738.570
14	1682.640	1721.180	1737.810	1731.940	1721.120	1703.030	1688.910	1703.030	1721.120	1731.940
15	1672.380	1712.500	1730.760	1724.940	1713.530	1694.530	1680.040	1694.530	1713.530	1724.940
16	1660.690	1702.730	1722.540	1717.320	1705.480	1685.710	1670.910	1685.710	1705.480	1717.320
17	1648.220	1691.680	1713.340	1709.150	1697.170	1676.430	1661.270	1676.430	1697.170	1709.150
18	1635.150	1679.890	1702.880	1700.310	1688.240	1666.850	1651.230	1666.850	1688.240	1700.310
19	1621.440	1667.620	1691.630	1690.940	1679.030	1656.910	1640.980	1656.910	1679.030	1690.940
20	1607.320	1654.490	1679.550	1680.720	1669.520	1646.430	1630.200	1646.430	1669.520	1680.720
21	1591.890	1640.900	1666.920	1669.860	1659.370	1635.830	1619.000	1635.830	1659.370	1669.860
22	1575.520	1626.480	1653.730	1658.150	1648.900	1624.620	1607.670	1624.620	1648.900	1658.150
23	1557.320	1611.090	1640.130	1645.570	1638.170	1613.370	1595.890	1613.370	1638.170	1645.570
24	1537.950	1593.750	1625.520	1632.230	1626.870	1601.420	1583.620	1601.420	1626.870	1632.230
25	1517.650	1575.270	1610.140	1618.220	1615.100	1589.210	1570.940	1589.210	1615.100	1618.220
26	1497.040	1555.920	1593.780	1604.150	1603.310	1576.780	1558.090	1576.780	1603.310	1604.150
27	1475.810	1535.950	1575.800	1589.400	1590.670	1563.820	1544.780	1563.820	1590.670	1589.400
28	1454.010	1515.280	1556.860	1574.360	1577.590	1550.560	1530.990	1550.560	1577.590	1574.360
29	1432.130	1494.430	1537.990	1558.730	1564.270	1537.070	1516.930	1537.070	1564.270	1558.730
30	1409.290	1472.850	1518.180	1542.730	1550.510	1523.060	1502.570	1523.060	1550.510	1542.730
31	1386.410	1450.940	1498.160	1525.960	1535.960	1508.750	1487.860	1508.750	1535.960	1525.960
32	1363.030	1428.590	1477.440	1508.600	1521.190	1494.300	1472.730	1494.300	1521.190	1508.600
33	1339.250	1406.050	1456.780	1490.830	1505.730	1479.310	1457.590	1479.310	1505.730	1490.830
34	1315.090	1382.740	1435.660	1471.890	1489.930	1464.050	1441.630	1464.050	1489.930	1471.890
35	1290.580	1359.620	1413.970	1452.710	1473.750	1448.450	1425.700	1448.450	1473.750	1452.710
36	1265.800	1335.670	1392.110	1433.010	1457.100	1432.510	1409.210	1432.510	1457.100	1433.010
37	1240.530	1311.490	1369.780	1412.700	1439.950	1416.020	1392.470	1416.020	1439.950	1412.700
38	1215.390	1287.200	1347.570	1392.550	1422.810	1399.580	1375.840	1399.580	1422.810	1392.550
39	1189.480	1262.200	1324.460	1372.000	1404.960	1382.710	1358.500	1382.710	1404.960	1372.000
40	1163.590	1237.640	1301.590	1351.050	1387.010	1365.540	1341.010	1365.540	1387.010	1351.050
41	1137.670	1212.090	1278.420	1329.980	1368.810	1348.260	1323.040	1348.260	1368.810	1329.980
42	1111.210	1187.030	1254.990	1308.680	1350.220	1330.470	1305.100	1330.470	1350.220	1308.680
43	1084.850	1160.930	1231.630	1287.150	1331.500	1312.620	1286.930	1312.620	1331.500	1287.150
44	1057.700	1135.430	1207.290	1265.350	1312.380	1294.200	1268.270	1294.200	1312.380	1265.350
45	1031.230	1109.170	1183.840	1243.830	1293.390	1275.920	1249.930	1275.920	1293.390	1243.830
46	1004.110	1083.250	1159.650	1221.960	1273.700	1257.450	1230.970	1257.450	1273.700	1221.960
47	976.620	1056.580	1135.120	1199.850	1254.020	1238.560	1212.060	1238.560	1254.020	1199.850
48	949.750	1030.270	1111.180	1177.640	1234.060	1219.660	1193.080	1219.660	1234.060	1177.640
49	922.000	1003.600	1086.460	1155.260	1213.850	1200.570	1173.730	1200.570	1213.850	1155.260
50	895.000	976.970	1062.420	1133.030	1193.760	1181.320	1154.610	1181.320	1193.760	1133.030
51	867.220	950.060	1037.830	1110.490	1172.870	1161.800	1135.170	1161.800	1172.870	1110.490
52	839.970	923.630	1013.720	1088.270	1152.380	1142.690	1115.980	1142.690	1152.380	1088.270
53	812.200	896.380	989.140	1065.890	1131.660	1123.060	1096.080	1123.060	1131.660	1065.890

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CANDELA TABULATION - (Cont.)

54	784.460	869.970	964.850	1043.850	1110.710	1103.430	1076.720	1103.430	1110.710	1043.850
55	757.050	843.110	940.550	1021.680	1089.930	1084.090	1057.340	1084.090	1089.930	1021.680
56	729.500	816.370	916.050	999.130	1069.100	1064.290	1037.990	1064.290	1069.100	999.130
57	701.690	789.720	891.940	976.930	1048.210	1044.720	1018.650	1044.720	1048.210	976.930
58	674.250	762.890	867.970	954.830	1027.200	1025.200	999.250	1025.200	1027.200	954.830
59	646.680	736.300	843.980	932.840	1006.530	1005.690	979.900	1005.690	1006.530	932.840
60	618.920	709.860	820.270	910.700	985.650	986.050	960.670	986.050	985.650	910.700
61	591.830	683.500	796.690	889.180	965.150	966.840	941.510	966.840	965.150	889.180
62	564.300	657.280	773.090	867.530	944.490	947.380	922.280	947.380	944.490	867.530
63	537.260	631.010	750.100	846.010	924.220	928.140	903.450	928.140	924.220	846.010
64	510.110	605.680	727.130	824.890	904.020	909.100	884.850	909.100	904.020	824.890
65	483.200	579.730	704.350	803.770	883.820	890.050	866.210	890.050	883.820	803.770
66	456.170	554.490	681.670	783.060	863.840	871.100	847.720	871.100	863.840	783.060
67	429.720	529.330	659.850	762.450	844.210	852.430	829.500	852.430	844.210	762.450
68	403.220	504.510	637.940	742.200	824.570	833.900	811.550	833.900	824.570	742.200
69	376.900	480.000	616.230	722.170	805.230	815.480	793.650	815.480	805.230	722.170
70	350.890	456.120	595.110	702.350	786.170	797.350	775.810	797.350	786.170	702.350
71	325.350	432.850	574.440	683.140	767.500	779.550	758.760	779.550	767.500	683.140
72	300.140	409.400	554.230	663.900	748.810	761.780	741.340	761.780	748.810	663.900
73	275.050	386.730	534.030	644.900	730.450	744.100	724.380	744.100	730.450	644.900
74	250.710	364.860	514.400	626.520	712.360	727.010	707.460	727.010	712.360	626.520
75	226.640	343.380	495.400	608.310	694.540	709.740	690.880	709.740	694.540	608.310
76	203.390	326.100	476.690	590.520	677.130	692.890	674.530	692.890	677.130	590.520
77	180.550	308.800	458.540	573.070	659.840	676.230	658.370	676.230	659.840	573.070
78	161.450	288.740	440.760	556.010	642.920	659.860	642.620	659.860	642.920	556.010
79	142.390	269.580	423.660	539.230	626.000	643.770	626.780	643.770	626.000	539.230
80	121.670	251.340	406.900	522.840	609.680	627.760	611.570	627.760	609.680	522.840
81	102.210	233.680	390.860	506.680	593.860	612.170	596.480	612.170	593.860	506.680
82	84.080	217.140	375.090	490.900	577.950	596.590	581.540	596.590	577.950	490.900
83	67.480	201.540	360.100	475.650	562.490	581.380	566.960	581.380	562.490	475.650
84	52.530	186.880	345.520	460.640	547.380	566.460	552.660	566.460	547.380	460.640
85	39.440	173.220	331.460	445.980	532.420	551.880	538.440	551.880	532.420	445.980
86	28.510	160.580	317.930	431.910	517.730	537.330	524.570	537.330	517.730	431.910
87	19.940	148.940	305.090	417.990	503.470	523.250	511.020	523.250	503.470	417.990
88	13.710	138.150	292.540	404.480	489.710	509.260	497.690	509.260	489.710	404.480
89	10.350	128.380	280.690	391.220	475.950	495.720	484.660	495.720	475.950	391.220
90	9.760	119.270	269.700	378.100	462.910	482.250	472.150	482.250	462.910	378.100

**Vert.
Angles**

Horizontal Angles

	<u>150</u>	<u>165</u>	<u>180</u>	<u>195</u>	<u>210</u>	<u>225</u>	<u>240</u>	<u>255</u>	<u>270</u>	<u>285</u>
0	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703	1775.703
1	1782.140	1769.740	1746.280	1769.740	1782.140	1784.200	1782.260	1776.340	1767.170	1776.340
2	1781.110	1768.540	1743.990	1768.540	1781.110	1782.650	1780.200	1773.300	1763.630	1773.300
3	1779.850	1766.930	1741.420	1766.930	1779.850	1780.760	1777.620	1769.720	1759.840	1769.720
4	1778.200	1764.970	1738.420	1764.970	1778.200	1778.330	1774.580	1765.710	1755.460	1765.710
5	1776.140	1762.730	1735.030	1762.730	1776.140	1775.580	1771.140	1761.460	1750.660	1761.460
6	1773.720	1760.150	1731.450	1760.150	1773.720	1772.320	1767.260	1756.580	1745.410	1756.580
7	1770.840	1757.170	1727.600	1757.170	1770.840	1768.810	1762.890	1751.370	1739.810	1751.370
8	1767.650	1753.630	1723.040	1753.630	1767.650	1764.780	1758.270	1745.570	1733.650	1745.570
9	1763.930	1749.790	1718.160	1749.790	1763.930	1760.380	1753.080	1739.570	1727.320	1739.570
10	1759.970	1745.340	1712.640	1745.340	1759.970	1755.610	1747.480	1733.020	1720.450	1733.020
11	1755.310	1740.460	1706.520	1740.460	1755.310	1750.390	1741.500	1726.150	1713.130	1726.150
12	1750.090	1734.900	1699.660	1734.900	1750.090	1744.730	1735.080	1718.920	1705.460	1718.920
13	1744.350	1728.540	1691.730	1728.540	1744.350	1738.570	1728.400	1711.130	1697.390	1711.130
14	1737.810	1721.180	1682.640	1721.180	1737.810	1731.940	1721.120	1703.030	1688.910	1703.030

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15	1730.760	1712.500	1672.380	1712.500	1730.760	1724.940	1713.530	1694.530	1680.040	1694.530
16	1722.540	1702.730	1660.690	1702.730	1722.540	1717.320	1705.480	1685.710	1670.910	1685.710
17	1713.340	1691.680	1648.220	1691.680	1713.340	1709.150	1697.170	1676.430	1661.270	1676.430
18	1702.880	1679.890	1635.150	1679.890	1702.880	1700.310	1688.240	1666.850	1651.230	1666.850
19	1691.630	1667.620	1621.440	1667.620	1691.630	1690.940	1679.030	1656.910	1640.980	1656.910
20	1679.550	1654.490	1607.320	1654.490	1679.550	1680.720	1669.520	1646.430	1630.200	1646.430
21	1666.920	1640.900	1591.890	1640.900	1666.920	1669.860	1659.370	1635.830	1619.000	1635.830
22	1653.730	1626.480	1575.520	1626.480	1653.730	1658.150	1648.900	1624.620	1607.670	1624.620
23	1640.130	1611.090	1557.320	1611.090	1640.130	1645.570	1638.170	1613.370	1595.890	1613.370
24	1625.520	1593.750	1537.950	1593.750	1625.520	1632.230	1626.870	1601.420	1583.620	1601.420
25	1610.140	1575.270	1517.650	1575.270	1610.140	1618.220	1615.100	1589.210	1570.940	1589.210
26	1593.780	1555.920	1497.040	1555.920	1593.780	1604.150	1603.310	1576.780	1558.090	1576.780
27	1575.800	1535.950	1475.810	1535.950	1575.800	1589.400	1590.670	1563.820	1544.780	1563.820
28	1556.860	1515.280	1454.010	1515.280	1556.860	1574.360	1577.590	1550.560	1530.990	1550.560
29	1537.990	1494.430	1432.130	1494.430	1537.990	1558.730	1564.270	1537.070	1516.930	1537.070
30	1518.180	1472.850	1409.290	1472.850	1518.180	1542.730	1550.510	1523.060	1502.570	1523.060
31	1498.160	1450.940	1386.410	1450.940	1498.160	1525.960	1535.960	1508.750	1487.860	1508.750
32	1477.440	1428.590	1363.030	1428.590	1477.440	1508.600	1521.190	1494.300	1472.730	1494.300
33	1456.780	1406.050	1339.250	1406.050	1456.780	1490.830	1505.730	1479.310	1457.590	1479.310
34	1435.660	1382.740	1315.090	1382.740	1435.660	1471.890	1489.930	1464.050	1441.630	1464.050
35	1413.970	1359.620	1290.580	1359.620	1413.970	1452.710	1473.750	1448.450	1425.700	1448.450
36	1392.110	1335.670	1265.800	1335.670	1392.110	1433.010	1457.100	1432.510	1409.210	1432.510
37	1369.780	1311.490	1240.530	1311.490	1369.780	1412.700	1439.950	1416.020	1392.470	1416.020
38	1347.570	1287.200	1215.390	1287.200	1347.570	1392.550	1422.810	1399.580	1375.840	1399.580
39	1324.460	1262.200	1189.480	1262.200	1324.460	1372.000	1404.960	1382.710	1358.500	1382.710
40	1301.590	1237.640	1163.590	1237.640	1301.590	1351.050	1387.010	1365.540	1341.010	1365.540
41	1278.420	1212.090	1137.670	1212.090	1278.420	1329.980	1368.810	1348.260	1323.040	1348.260
42	1254.990	1187.030	1111.210	1187.030	1254.990	1308.680	1350.220	1330.470	1305.100	1330.470
43	1231.630	1160.930	1084.850	1160.930	1231.630	1287.150	1331.500	1312.620	1286.930	1312.620
44	1207.290	1135.430	1057.700	1135.430	1207.290	1265.350	1312.380	1294.200	1268.270	1294.200
45	1183.840	1109.170	1031.230	1109.170	1183.840	1243.830	1293.390	1275.920	1249.930	1275.920
46	1159.650	1083.250	1004.110	1083.250	1159.650	1221.960	1273.700	1257.450	1230.970	1257.450
47	1135.120	1056.580	976.620	1056.580	1135.120	1199.850	1254.020	1238.560	1212.060	1238.560
48	1111.180	1030.270	949.750	1030.270	1111.180	1177.640	1234.060	1219.660	1193.080	1219.660
49	1086.460	1003.600	922.000	1003.600	1086.460	1155.260	1213.850	1200.570	1173.730	1200.570
50	1062.420	976.970	895.000	976.970	1062.420	1133.030	1193.760	1181.320	1154.610	1181.320
51	1037.830	950.060	867.220	950.060	1037.830	1110.490	1172.870	1161.800	1135.170	1161.800
52	1013.720	923.630	839.970	923.630	1013.720	1088.270	1152.380	1142.690	1115.980	1142.690
53	989.140	896.380	812.200	896.380	989.140	1065.890	1131.660	1123.060	1096.080	1123.060
54	964.850	869.970	784.460	869.970	964.850	1043.850	1110.710	1103.430	1076.720	1103.430
55	940.550	843.110	757.050	843.110	940.550	1021.680	1089.930	1084.090	1057.340	1084.090
56	916.050	816.370	729.500	816.370	916.050	999.130	1069.100	1064.290	1037.990	1064.290
57	891.940	789.720	701.690	789.720	891.940	976.930	1048.210	1044.720	1018.650	1044.720
58	867.970	762.890	674.250	762.890	867.970	954.830	1027.200	1025.200	999.250	1025.200
59	843.980	736.300	646.680	736.300	843.980	932.840	1006.530	1005.690	979.900	1005.690
60	820.270	709.860	618.920	709.860	820.270	910.700	985.650	986.050	960.670	986.050
61	796.690	683.500	591.830	683.500	796.690	889.180	965.150	966.840	941.510	966.840
62	773.090	657.280	564.300	657.280	773.090	867.530	944.490	947.380	922.280	947.380
63	750.100	631.010	537.260	631.010	750.100	846.010	924.220	928.140	903.450	928.140
64	727.130	605.680	510.110	605.680	727.130	824.890	904.020	909.100	884.850	909.100
65	704.350	579.730	483.200	579.730	704.350	803.770	883.820	890.050	866.210	890.050
66	681.670	554.490	456.170	554.490	681.670	783.060	863.840	871.100	847.720	871.100
67	659.850	529.330	429.720	529.330	659.850	762.450	844.210	852.430	829.500	852.430
68	637.940	504.510	403.220	504.510	637.940	742.200	824.570	833.900	811.550	833.900
69	616.230	480.000	376.900	480.000	616.230	722.170	805.230	815.480	793.650	815.480
70	595.110	456.120	350.890	456.120	595.110	702.350	786.170	797.350	775.810	797.350

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CANDELA TABULATION - (Cont.)

71	574.440	432.850	325.350	432.850	574.440	683.140	767.500	779.550	758.760	779.550
72	554.230	409.400	300.140	409.400	554.230	663.900	748.810	761.780	741.340	761.780
73	534.030	386.730	275.050	386.730	534.030	644.900	730.450	744.100	724.380	744.100
74	514.400	364.860	250.710	364.860	514.400	626.520	712.360	727.010	707.460	727.010
75	495.400	343.380	226.640	343.380	495.400	608.310	694.540	709.740	690.880	709.740
76	476.690	326.100	203.390	326.100	476.690	590.520	677.130	692.890	674.530	692.890
77	458.540	308.800	180.550	308.800	458.540	573.070	659.840	676.230	658.370	676.230
78	440.760	288.740	161.450	288.740	440.760	556.010	642.920	659.860	642.620	659.860
79	423.660	269.580	142.390	269.580	423.660	539.230	626.000	643.770	626.780	643.770
80	406.900	251.340	121.670	251.340	406.900	522.840	609.680	627.760	611.570	627.760
81	390.860	233.680	102.210	233.680	390.860	506.680	593.860	612.170	596.480	612.170
82	375.090	217.140	84.080	217.140	375.090	490.900	577.950	596.590	581.540	596.590
83	360.100	201.540	67.480	201.540	360.100	475.650	562.490	581.380	566.960	581.380
84	345.520	186.880	52.530	186.880	345.520	460.640	547.380	566.460	552.660	566.460
85	331.460	173.220	39.440	173.220	331.460	445.980	532.420	551.880	538.440	551.880
86	317.930	160.580	28.510	160.580	317.930	431.910	517.730	537.330	524.570	537.330
87	305.090	148.940	19.940	148.940	305.090	417.990	503.470	523.250	511.020	523.250
88	292.540	138.150	13.710	138.150	292.540	404.480	489.710	509.260	497.690	509.260
89	280.690	128.380	10.350	128.380	280.690	391.220	475.950	495.720	484.660	495.720
90	269.700	119.270	9.760	119.270	269.700	378.100	462.910	482.250	472.150	482.250

Vert. Angles **Horizontal Angles**

	<u>300</u>	<u>315</u>	<u>330</u>	<u>345</u>	<u>360</u>
0	1775.703	1775.703	1775.703	1775.703	1775.703
1	1782.260	1784.200	1782.140	1769.740	1746.280
2	1780.200	1782.650	1781.110	1768.540	1743.990
3	1777.620	1780.760	1779.850	1766.930	1741.420
4	1774.580	1778.330	1778.200	1764.970	1738.420
5	1771.140	1775.580	1776.140	1762.730	1735.030
6	1767.260	1772.320	1773.720	1760.150	1731.450
7	1762.890	1768.810	1770.840	1757.170	1727.600
8	1758.270	1764.780	1767.650	1753.630	1723.040
9	1753.080	1760.380	1763.930	1749.790	1718.160
10	1747.480	1755.610	1759.970	1745.340	1712.640
11	1741.500	1750.390	1755.310	1740.460	1706.520
12	1735.080	1744.730	1750.090	1734.900	1699.660
13	1728.400	1738.570	1744.350	1728.540	1691.730
14	1721.120	1731.940	1737.810	1721.180	1682.640
15	1713.530	1724.940	1730.760	1712.500	1672.380
16	1705.480	1717.320	1722.540	1702.730	1660.690
17	1697.170	1709.150	1713.340	1691.680	1648.220
18	1688.240	1700.310	1702.880	1679.890	1635.150
19	1679.030	1690.940	1691.630	1667.620	1621.440
20	1669.520	1680.720	1679.550	1654.490	1607.320
21	1659.370	1669.860	1666.920	1640.900	1591.890
22	1648.900	1658.150	1653.730	1626.480	1575.520
23	1638.170	1645.570	1640.130	1611.090	1557.320
24	1626.870	1632.230	1625.520	1593.750	1537.950
25	1615.100	1618.220	1610.140	1575.270	1517.650
26	1603.310	1604.150	1593.780	1555.920	1497.040
27	1590.670	1589.400	1575.800	1535.950	1475.810
28	1577.590	1574.360	1556.860	1515.280	1454.010
29	1564.270	1558.730	1537.990	1494.430	1432.130
30	1550.510	1542.730	1518.180	1472.850	1409.290
31	1535.960	1525.960	1498.160	1450.940	1386.410

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CANDELA TABULATION - (Cont.)

32	1521.190	1508.600	1477.440	1428.590	1363.030
33	1505.730	1490.830	1456.780	1406.050	1339.250
34	1489.930	1471.890	1435.660	1382.740	1315.090
35	1473.750	1452.710	1413.970	1359.620	1290.580
36	1457.100	1433.010	1392.110	1335.670	1265.800
37	1439.950	1412.700	1369.780	1311.490	1240.530
38	1422.810	1392.550	1347.570	1287.200	1215.390
39	1404.960	1372.000	1324.460	1262.200	1189.480
40	1387.010	1351.050	1301.590	1237.640	1163.590
41	1368.810	1329.980	1278.420	1212.090	1137.670
42	1350.220	1308.680	1254.990	1187.030	1111.210
43	1331.500	1287.150	1231.630	1160.930	1084.850
44	1312.380	1265.350	1207.290	1135.430	1057.700
45	1293.390	1243.830	1183.840	1109.170	1031.230
46	1273.700	1221.960	1159.650	1083.250	1004.110
47	1254.020	1199.850	1135.120	1056.580	976.620
48	1234.060	1177.640	1111.180	1030.270	949.750
49	1213.850	1155.260	1086.460	1003.600	922.000
50	1193.760	1133.030	1062.420	976.970	895.000
51	1172.870	1110.490	1037.830	950.060	867.220
52	1152.380	1088.270	1013.720	923.630	839.970
53	1131.660	1065.890	989.140	896.380	812.200
54	1110.710	1043.850	964.850	869.970	784.460
55	1089.930	1021.680	940.550	843.110	757.050
56	1069.100	999.130	916.050	816.370	729.500
57	1048.210	976.930	891.940	789.720	701.690
58	1027.200	954.830	867.970	762.890	674.250
59	1006.530	932.840	843.980	736.300	646.680
60	985.650	910.700	820.270	709.860	618.920
61	965.150	889.180	796.690	683.500	591.830
62	944.490	867.530	773.090	657.280	564.300
63	924.220	846.010	750.100	631.010	537.260
64	904.020	824.890	727.130	605.680	510.110
65	883.820	803.770	704.350	579.730	483.200
66	863.840	783.060	681.670	554.490	456.170
67	844.210	762.450	659.850	529.330	429.720
68	824.570	742.200	637.940	504.510	403.220
69	805.230	722.170	616.230	480.000	376.900
70	786.170	702.350	595.110	456.120	350.890
71	767.500	683.140	574.440	432.850	325.350
72	748.810	663.900	554.230	409.400	300.140
73	730.450	644.900	534.030	386.730	275.050
74	712.360	626.520	514.400	364.860	250.710
75	694.540	608.310	495.400	343.380	226.640
76	677.130	590.520	476.690	326.100	203.390
77	659.840	573.070	458.540	308.800	180.550
78	642.920	556.010	440.760	288.740	161.450
79	626.000	539.230	423.660	269.580	142.390
80	609.680	522.840	406.900	251.340	121.670
81	593.860	506.680	390.860	233.680	102.210
82	577.950	490.900	375.090	217.140	84.080
83	562.490	475.650	360.100	201.540	67.480
84	547.380	460.640	345.520	186.880	52.530
85	532.420	445.980	331.460	173.220	39.440
86	517.730	431.910	317.930	160.580	28.510
87	503.470	417.990	305.090	148.940	19.940

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CANDELA TABULATION - (Cont.)

88	489.710	404.480	292.540	138.150	13.710
89	475.950	391.220	280.690	128.380	10.350
90	462.910	378.100	269.700	119.270	9.760

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	650.06	65.00	11.10
0-30	1383.64	138.40	23.70
0-40	2270.76	227.10	38.90
0-60	4081.15	408.10	69.90
0-80	5416.21	541.60	92.70
0-90	5841.41	584.10	100.00
10-90	5673.63	567.40	97.10
20-40	1620.7	162.10	27.70
20-50	2552.98	255.30	43.70
40-70	2560.29	256.00	43.80
60-80	1335.06	133.50	22.90
70-80	585.16	58.50	10.00
80-90	425.20	42.50	7.30
90-110	0.00	0.00	0.00
90-120	0.00	0.00	0.00
90-130	0.00	0.00	0.00
90-150	0.00	0.00	0.00
90-180	0.00	0.00	0.00
110-180	0.00	0.00	0.00
0-180	5841.41	584.10	100.00

Total Luminaire Efficiency = 584.10%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	167.78
10-20	482.27
20-30	733.58
30-40	887.12
40-50	932.28
50-60	878.11
60-70	749.89
70-80	585.16
80-90	425.20
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

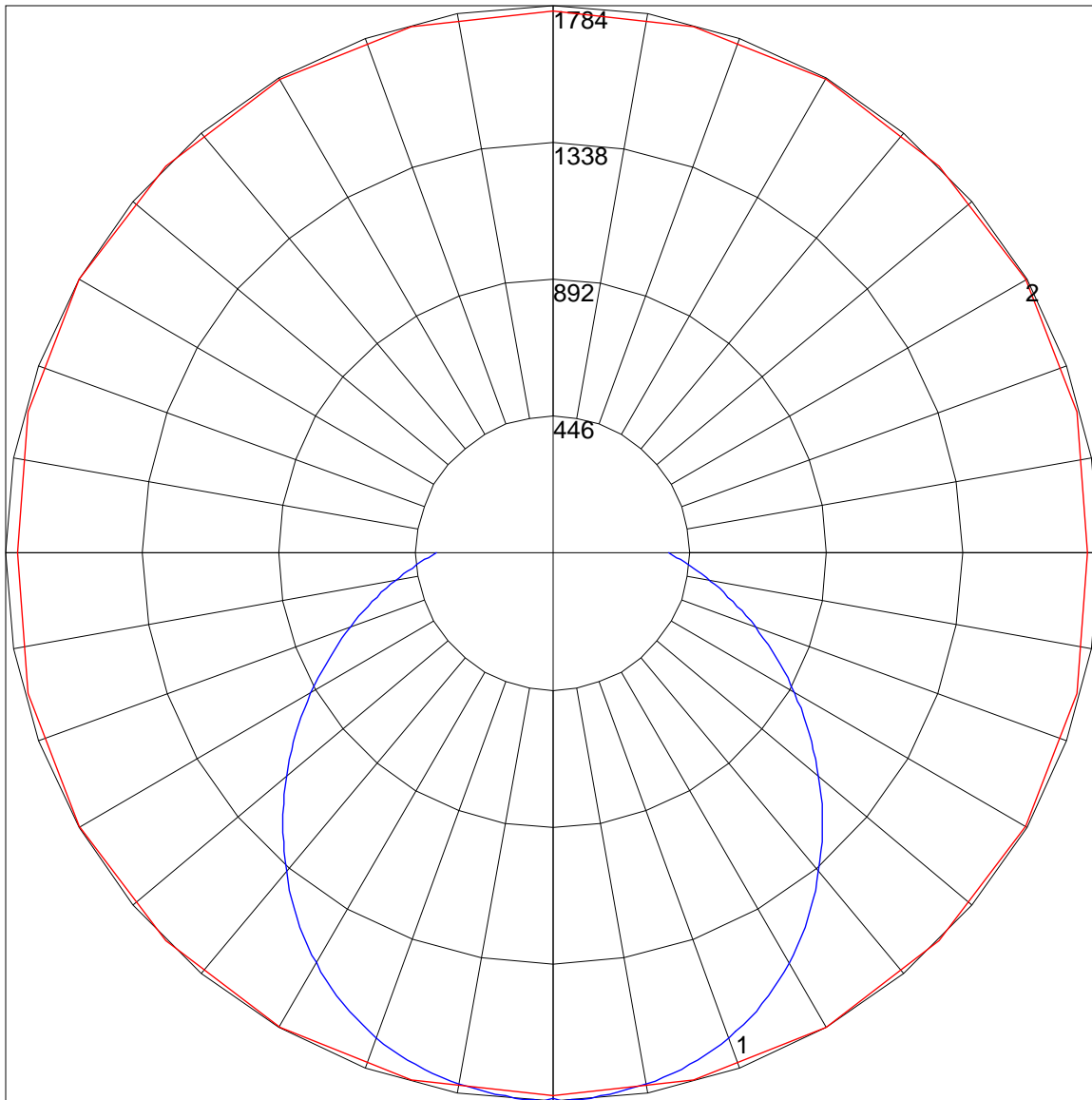
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	695	695	695	695	679	679	679	679	649	649	649	621	621	621	596	596	596	584
1	619	585	554	526	603	571	543	517	545	522	500	522	502	485	500	485	470	457
2	558	502	456	418	542	491	449	413	469	434	403	450	419	393	431	406	384	370
3	506	438	384	342	491	428	379	339	410	367	333	393	357	326	378	347	321	307
4	462	386	330	287	448	378	325	285	362	317	281	348	309	277	335	301	273	259
5	424	344	287	246	411	337	284	244	324	277	241	312	271	238	301	265	236	222
6	391	309	253	213	380	303	251	212	292	245	210	282	240	208	272	235	206	194
7	363	280	226	188	352	275	223	187	265	219	186	257	215	184	248	211	183	170
8	337	255	203	167	328	251	201	167	243	198	165	235	194	164	228	191	163	152
9	315	234	184	150	307	230	182	150	223	179	149	217	177	148	211	174	147	136
10	296	216	168	136	288	212	167	136	207	164	135	201	162	134	196	159	133	123

POLAR GRAPH



Maximum Candela = 1784.2 Located At Horizontal Angle = 45, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)