

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P895268

Luminaire Tested: 8TMB-8SL-RND-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-8SL-RND-UNV-L950
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

Summary

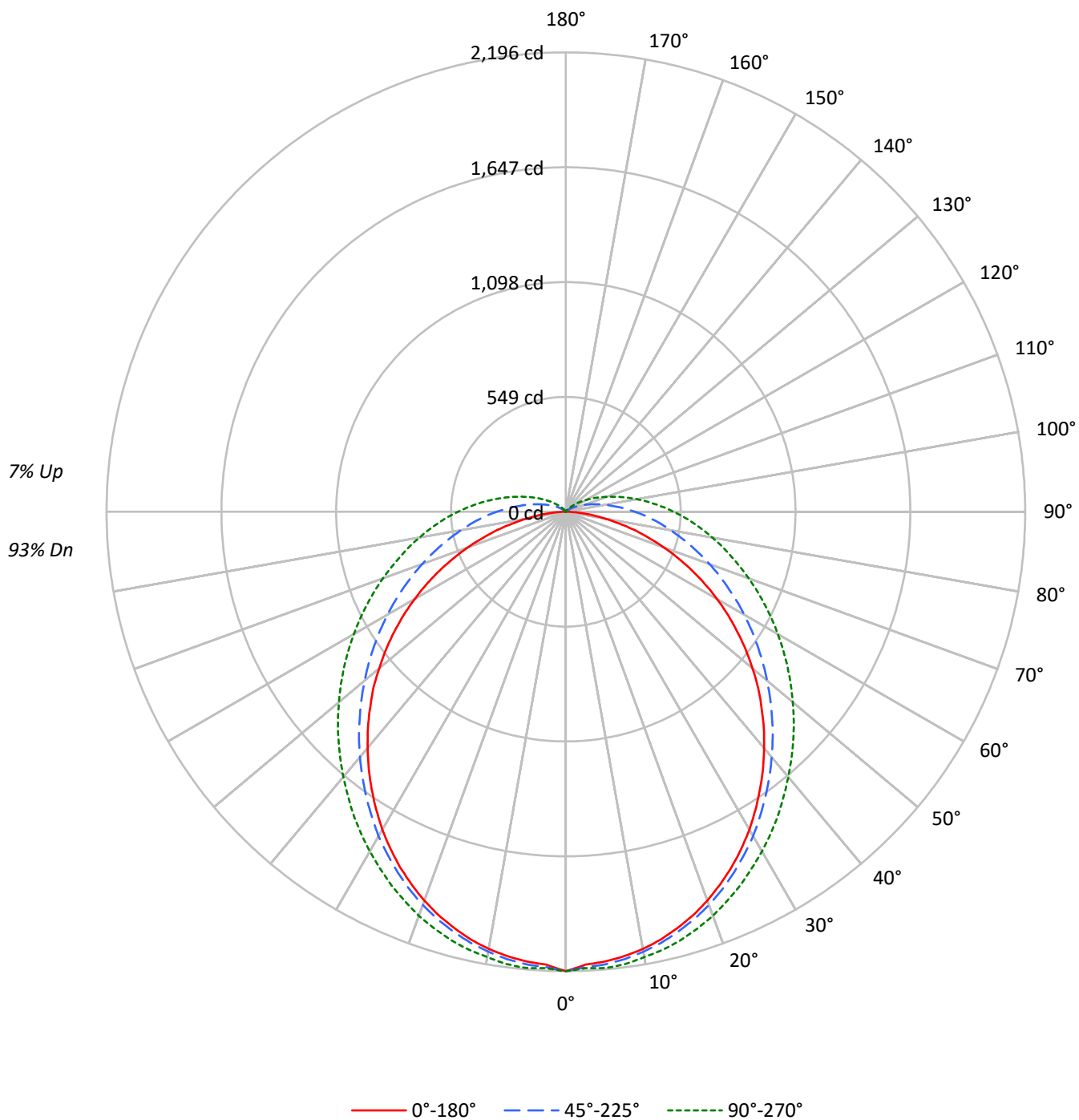
Lumens per Lamp: N/A
Luminaire Lumens: 7269.9 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 59.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 3.8
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-8SL-RND-UNV-L950

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	50	30	10
RCR																				
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	74	74	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	60	60	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	50	50	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	43	43	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	37	37	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32	32	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28	28	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25	25	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	23	23	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20	20	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7792	7792	7792
5°	7687	7736	7797
10°	7646	7695	7788
15°	7568	7631	7789
20°	7468	7552	7760
25°	7339	7447	7716
30°	7188	7336	7681
35°	7011	7205	7666
40°	6829	7092	7665
45°	6639	6993	7717
50°	6431	6934	7816
55°	6197	6920	8004
60°	5926	6987	8304
65°	5597	7170	8800
70°	5187	7576	9644
75°	4688	8434	11189
80°	3968	10392	14536
85°	3216	16927	24902

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 45845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.7	2.9
10°-20°	591.7	8.1
20°-30°	886.1	12.2
30°-40°	1056.5	14.5
40°-50°	1095.7	15.1
50°-60°	1016.5	14.0
60°-70°	848.0	11.7
70°-80°	632.3	8.7
80°-90°	421.0	5.8
90°-100°	256.3	3.5
100°-110°	143.1	2.0
110°-120°	71.5	1.0
120°-130°	29.9	0.4
130°-140°	9.4	0.1
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.7	0.0
170°-180°	0.2	0.0
0°-30°	1685.5	23.2
0°-40°	2742.0	37.7
0°-60°	4854.2	66.8
0°-90°	6755.5	92.9
90°-120°	470.9	6.5
90°-150°	512.5	7.0
90°-180°	514.0	7.1
0°-180°	7269.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2196	2196	2196	2196	2196	
5°	2158	2208	2172	2184	2189	205
15°	2060	2114	2078	2115	2120	581
25°	1875	1925	1902	1956	1971	863
35°	1619	1662	1663	1746	1770	1013
45°	1323	1358	1394	1504	1538	1021
55°	1002	1036	1119	1249	1294	896
65°	667	720	854	998	1048	660
75°	342	436	615	765	816	361
85°	79	216	416	558	612	89
90°	3	143	330	466	516	6
95°	0	88	254	382	426	0
105°	0	28	139	235	272	0
115°	2	7	65	132	158	2
125°	2	2	26	64	79	2
135°	2	2	7	22	29	1
145°	2	2	2	5	7	1
155°	3	3	2	2	2	1
165°	3	3	2	2	2	1
175°	3	3	3	2	0	0
180°	3	3	3	3	3	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2166.9	2170.3	2201.2	2199.5	2194.4	2215.0	2220.1	2203.0	2175.5	2203.0	2178.9
5°	2158.3	2161.7	2192.6	2190.9	2185.8	2208.1	2209.8	2194.4	2166.9	2194.4	2172.0
7.5°	2142.8	2146.2	2177.2	2175.5	2172.0	2194.4	2192.6	2180.6	2151.4	2180.6	2156.6
10°	2122.2	2123.9	2156.6	2153.1	2151.4	2173.7	2168.6	2158.3	2129.1	2158.3	2135.9
12.5°	2094.7	2096.4	2129.1	2125.6	2125.6	2146.2	2139.4	2130.8	2101.6	2129.1	2110.2
15°	2060.3	2062.0	2093.0	2091.3	2091.3	2113.6	2103.3	2096.4	2068.9	2098.1	2077.5
17.5°	2022.5	2020.8	2053.5	2050.0	2053.5	2074.1	2060.3	2056.9	2031.1	2058.6	2041.4
20°	1977.8	1977.8	2007.1	2005.3	2010.5	2029.4	2012.2	2013.9	1988.2	2017.4	2000.2
22.5°	1928.0	1926.3	1955.5	1955.5	1960.7	1979.6	1960.7	1965.8	1940.0	1967.5	1953.8
25°	1874.7	1871.3	1900.5	1900.5	1909.1	1924.6	1904.0	1910.8	1886.8	1914.3	1902.2
27.5°	1816.3	1811.2	1840.4	1842.1	1849.0	1864.4	1842.1	1852.4	1830.1	1855.8	1847.2
30°	1754.5	1749.3	1778.5	1780.2	1788.8	1800.9	1778.5	1792.3	1771.6	1797.4	1790.5
32.5°	1687.4	1684.0	1711.5	1714.9	1723.5	1732.1	1711.5	1725.2	1708.1	1733.8	1727.0
35°	1618.7	1615.3	1641.0	1646.2	1654.8	1661.7	1639.3	1658.2	1642.8	1666.8	1663.4
37.5°	1548.3	1543.1	1570.6	1574.0	1584.3	1587.8	1567.2	1589.5	1575.7	1599.8	1598.1
40°	1474.4	1469.2	1496.7	1500.1	1510.4	1510.4	1493.3	1517.3	1507.0	1529.3	1531.1
42.5°	1400.5	1395.3	1419.4	1426.2	1434.8	1434.8	1417.7	1443.4	1436.6	1458.9	1464.1
45°	1323.1	1318.0	1340.3	1347.2	1357.5	1357.5	1340.3	1369.5	1364.4	1386.7	1393.6
47.5°	1247.5	1240.7	1261.3	1268.2	1278.5	1276.7	1263.0	1292.2	1290.5	1312.8	1324.9
50°	1165.1	1159.9	1180.5	1187.4	1199.4	1196.0	1185.7	1216.6	1216.6	1238.9	1256.1
52.5°	1084.3	1079.1	1099.8	1106.6	1116.9	1116.9	1106.6	1139.3	1144.4	1166.8	1187.4
55°	1001.8	994.9	1015.6	1022.4	1034.5	1036.2	1027.6	1060.2	1070.5	1096.3	1118.7
57.5°	919.3	915.9	933.1	939.9	955.4	955.4	950.3	984.6	998.4	1025.9	1051.6
60°	835.1	831.7	847.2	855.7	872.9	876.4	872.9	909.0	927.9	955.4	984.6
62.5°	750.9	747.5	763.0	775.0	793.9	797.3	799.0	836.8	857.5	886.7	919.3
65°	666.7	663.3	678.8	692.5	714.8	720.0	725.2	764.7	788.7	819.7	854.0
67.5°	582.5	580.8	596.3	613.5	637.5	644.4	653.0	694.2	721.7	754.4	792.2
70°	500.0	498.3	513.8	534.4	563.6	572.2	582.5	623.8	658.1	692.5	730.3
72.5°	417.6	419.3	436.5	460.5	493.2	501.8	515.5	558.5	596.3	632.4	671.9
75°	342.0	342.0	360.9	388.4	424.4	436.5	451.9	496.6	536.1	573.9	615.2
77.5°	264.6	264.6	287.0	321.3	360.9	372.9	391.8	438.2	481.1	518.9	560.2
80°	194.2	197.6	223.4	257.8	299.0	314.5	336.8	383.2	429.6	467.4	508.6
82.5°	132.3	137.5	165.0	204.5	245.7	261.2	283.5	333.4	379.8	419.3	462.2
85°	79.0	87.6	116.8	156.4	199.3	216.5	240.6	287.0	333.4	372.9	415.8
87.5°	36.1	48.1	79.0	118.6	159.8	178.7	199.3	244.0	290.4	329.9	374.6
90°	3.4	20.6	51.6	85.9	125.4	142.6	163.2	206.2	250.9	287.0	329.9
92.5°	0.0	8.6	30.9	61.9	96.2	113.4	132.3	173.6	213.1	249.2	290.4
95°	0.0	3.4	17.2	43.0	72.2	87.6	104.8	142.6	182.1	216.5	254.3
97.5°	0.0	1.7	10.3	29.2	53.3	67.0	82.5	116.8	152.9	185.6	220.0
100°	0.0	1.7	5.2	18.9	39.5	49.8	65.3	94.5	127.2	156.4	190.7
102.5°	0.0	0.0	3.4	12.0	29.2	37.8	49.8	75.6	104.8	132.3	163.2
105°	0.0	0.0	1.7	8.6	20.6	27.5	37.8	60.1	85.9	110.0	139.2
107.5°	0.0	0.0	1.7	5.2	13.7	20.6	29.2	46.4	68.7	91.1	116.8
110°	1.7	1.7	1.7	3.4	10.3	15.5	20.6	36.1	56.7	75.6	97.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.7	1.7	1.7	1.7	6.9	10.3	15.5	27.5	44.7	60.1	80.8
115°	1.7	1.7	1.7	1.7	5.2	6.9	10.3	20.6	34.4	48.1	65.3
117.5°	1.7	1.7	1.7	1.7	3.4	5.2	6.9	15.5	25.8	37.8	53.3
120°	1.7	1.7	1.7	1.7	1.7	3.4	5.2	10.3	20.6	29.2	43.0
122.5°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	8.6	15.5	22.3	32.6
125°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	10.3	17.2	25.8
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	6.9	12.0	18.9
130°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	8.6	13.7
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	6.9	10.3
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	6.9
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.2
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4
142.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4
145°	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
147.5°	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
152.5°	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
155°	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
160°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	1.7
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7
167.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7
170°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
172.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7
175°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
177.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1	2196.1
2.5°	2185.8	2190.9	2196.1	2182.3	2190.9	2206.4	2211.5	2190.9	2197.8	2184.0
5°	2178.9	2182.3	2189.2	2172.0	2184.0	2197.8	2206.4	2189.2	2199.5	2189.2
7.5°	2165.1	2168.6	2177.2	2160.0	2175.5	2187.5	2197.8	2180.6	2190.9	2180.6
10°	2144.5	2149.7	2161.7	2141.1	2160.0	2170.3	2180.6	2161.7	2172.0	2161.7
12.5°	2118.8	2127.3	2137.7	2118.8	2137.7	2146.2	2160.0	2141.1	2153.1	2144.5
15°	2087.8	2096.4	2110.2	2091.3	2115.3	2122.2	2135.9	2117.0	2129.1	2120.5
17.5°	2051.7	2062.0	2079.2	2056.9	2084.4	2089.5	2103.3	2086.1	2098.1	2089.5
20°	2010.5	2020.8	2038.0	2017.4	2044.9	2048.3	2063.8	2048.3	2060.3	2055.2
22.5°	1962.4	1974.4	1991.6	1972.7	2001.9	2001.9	2020.8	2005.3	2019.1	2013.9
25°	1912.5	1926.3	1945.2	1924.6	1955.5	1955.5	1976.1	1960.7	1974.4	1971.0
27.5°	1859.3	1874.7	1897.1	1876.5	1907.4	1905.7	1926.3	1912.5	1928.0	1922.9
30°	1802.6	1819.8	1842.1	1824.9	1857.6	1854.1	1874.7	1862.7	1876.5	1874.7
32.5°	1740.7	1759.6	1787.1	1768.2	1800.9	1797.4	1823.2	1809.4	1826.6	1823.2
35°	1678.8	1699.5	1727.0	1709.8	1745.9	1740.7	1766.5	1754.5	1771.6	1769.9
37.5°	1615.3	1637.6	1665.1	1651.4	1685.7	1680.6	1708.1	1697.7	1716.7	1711.5
40°	1550.0	1572.3	1601.5	1589.5	1625.6	1618.7	1647.9	1639.3	1658.2	1654.8
42.5°	1484.7	1508.7	1537.9	1531.1	1565.4	1558.6	1587.8	1580.9	1599.8	1596.4
45°	1417.7	1443.4	1474.4	1467.5	1503.6	1496.7	1525.9	1520.8	1539.7	1537.9
47.5°	1350.6	1378.1	1409.1	1405.6	1440.0	1433.1	1464.1	1458.9	1477.8	1477.8
50°	1281.9	1312.8	1343.8	1342.0	1376.4	1369.5	1397.0	1397.0	1417.7	1415.9
52.5°	1213.2	1245.8	1278.5	1278.5	1312.8	1306.0	1336.9	1335.2	1355.8	1355.8
55°	1147.9	1177.1	1209.7	1216.6	1249.3	1238.9	1271.6	1275.0	1292.2	1293.9
57.5°	1082.6	1113.5	1146.2	1154.7	1185.7	1178.8	1209.7	1213.2	1230.4	1232.1
60°	1017.3	1046.5	1079.1	1091.2	1122.1	1115.2	1146.2	1149.6	1168.5	1170.2
62.5°	952.0	981.2	1017.3	1029.3	1058.5	1053.4	1086.0	1089.4	1106.6	1110.1
65°	888.4	919.3	953.7	970.9	998.4	991.5	1024.1	1027.6	1046.5	1048.2
67.5°	826.5	857.5	891.8	910.7	936.5	933.1	964.0	970.9	986.3	989.8
70°	766.4	797.3	833.4	852.3	878.1	876.4	905.6	910.7	927.9	929.6
72.5°	708.0	738.9	775.0	797.3	819.7	817.9	847.2	854.0	871.2	872.9
75°	651.3	683.9	718.3	742.3	764.7	763.0	792.2	799.0	814.5	816.2
77.5°	598.0	630.6	666.7	690.8	709.7	711.4	737.2	744.1	759.5	764.7
80°	548.2	579.1	613.5	639.2	656.4	659.9	683.9	692.5	704.5	711.4
82.5°	500.0	531.0	565.3	589.4	606.6	610.0	632.4	642.7	654.7	659.9
85°	453.6	484.6	517.2	543.0	558.5	560.2	582.5	592.8	603.1	611.7
87.5°	409.0	439.9	470.8	498.3	512.1	515.5	536.1	546.4	555.0	563.6
90°	364.3	395.2	426.2	451.9	465.7	467.4	489.7	500.0	508.6	515.5
92.5°	323.1	354.0	384.9	410.7	422.7	426.2	445.1	457.1	464.0	470.8
95°	283.5	314.5	342.0	369.4	381.5	386.6	403.8	414.1	422.7	426.2
97.5°	249.2	276.7	302.4	329.9	340.2	345.4	362.6	374.6	381.5	384.9
100°	216.5	242.3	266.3	292.1	302.4	307.6	323.1	333.4	340.2	345.4
102.5°	187.3	211.4	233.7	257.8	268.1	271.5	285.2	295.6	302.4	307.6
105°	161.5	183.9	204.5	226.8	235.4	240.6	252.6	261.2	268.1	271.5
107.5°	137.5	159.8	177.0	197.6	206.2	209.6	221.7	232.0	237.1	238.9
110°	116.8	135.8	152.9	170.1	180.4	183.9	194.2	202.8	207.9	209.6

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	97.9	115.1	130.6	146.1	154.7	158.1	168.4	177.0	180.4	182.1
115°	80.8	97.9	110.0	125.4	132.3	135.8	144.3	152.9	154.7	158.1
117.5°	65.3	80.8	92.8	104.8	111.7	115.1	122.0	128.9	132.3	134.0
120°	53.3	65.3	75.6	87.6	92.8	96.2	103.1	110.0	111.7	113.4
122.5°	43.0	53.3	61.9	72.2	77.3	80.8	85.9	91.1	92.8	94.5
125°	32.6	43.0	49.8	58.4	63.6	65.3	70.5	75.6	77.3	79.0
127.5°	25.8	32.6	39.5	46.4	49.8	51.6	56.7	60.1	61.9	63.6
130°	18.9	24.1	29.2	36.1	39.5	41.2	44.7	48.1	49.8	49.8
132.5°	13.7	18.9	22.3	27.5	29.2	30.9	34.4	37.8	37.8	39.5
135°	8.6	12.0	15.5	18.9	22.3	22.3	25.8	27.5	29.2	29.2
137.5°	6.9	8.6	10.3	13.7	15.5	17.2	17.2	20.6	20.6	20.6
140°	5.2	6.9	6.9	8.6	10.3	12.0	12.0	13.7	13.7	13.7
142.5°	3.4	5.2	5.2	6.9	6.9	8.6	8.6	8.6	10.3	10.3
145°	3.4	3.4	3.4	5.2	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	1.7	1.7	3.4	3.4	3.4	3.4	3.4	5.2	5.2	5.2
150°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	3.4	3.4	3.4
152.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.0
180°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.42	18.96	17.89	19.41	19.90	18.99	20.53	19.46	20.99	21.47
	3H	19.10	20.50	19.58	20.97	21.49	21.62	23.02	22.10	23.49	24.01
	4H	19.70	21.03	20.20	21.51	22.05	22.93	24.26	23.43	24.74	25.28
	6H	20.09	21.33	20.61	21.83	22.39	24.33	25.57	24.85	26.07	26.63
	8H	20.21	21.40	20.74	21.92	22.48	25.08	26.27	25.61	26.79	27.35
	12H	20.29	21.43	20.82	21.94	22.54	25.93	27.07	26.47	27.59	28.18
4H	2H	18.35	19.68	18.85	20.16	20.70	19.54	20.87	20.05	21.36	21.90
	3H	20.33	21.46	20.84	21.99	22.55	22.46	23.60	22.98	24.12	24.69
	4H	21.10	22.14	21.64	22.68	23.28	23.98	25.02	24.52	25.56	26.16
	6H	21.68	22.60	22.24	23.17	23.78	25.63	26.55	26.18	27.11	27.72
	8H	21.87	22.73	22.43	23.30	23.92	26.51	27.38	27.07	27.94	28.56
	12H	21.99	22.78	22.57	23.37	24.00	27.51	28.30	28.09	28.89	29.52
8H	4H	21.98	22.85	22.54	23.41	24.04	24.34	25.21	24.91	25.78	26.40
	6H	22.86	23.60	23.46	24.21	24.83	26.25	26.98	26.84	27.59	28.22
	8H	23.21	23.88	23.82	24.49	25.13	27.33	28.00	27.94	28.61	29.25
	12H	23.48	24.08	24.09	24.68	25.39	28.59	29.19	29.20	29.79	30.50
12H	4H	22.26	23.05	22.84	23.64	24.27	24.39	25.17	24.97	25.77	26.39
	6H	23.31	23.98	23.92	24.60	25.24	26.36	27.02	26.96	27.64	28.28
	8H	23.83	24.43	24.44	25.03	25.74	27.55	28.15	28.16	28.75	29.46