

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: P895267

Luminaire Tested: 8TMB-8SL-RND-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895267
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-L940
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

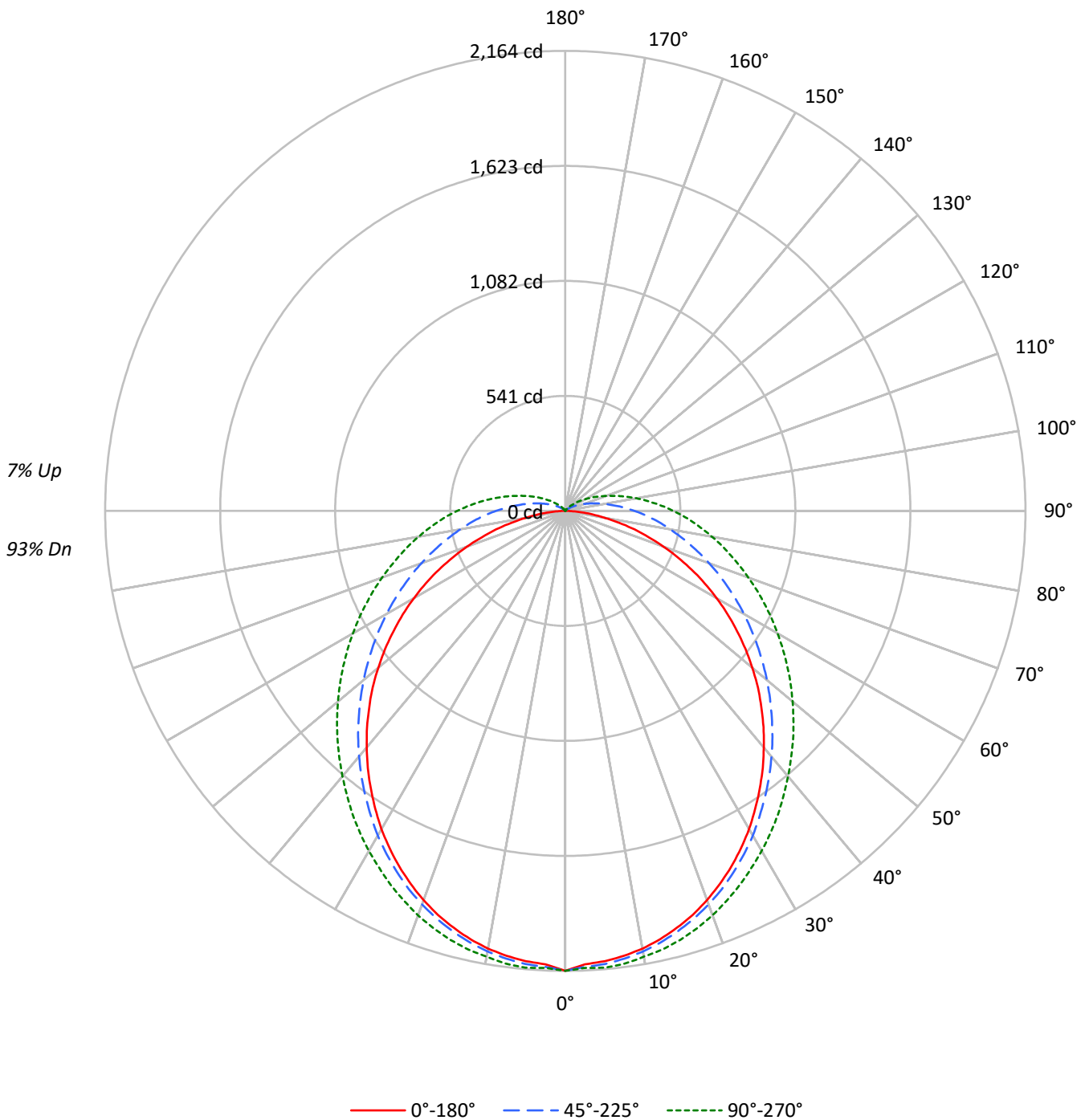
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7162.0 lumens
Efficiency: N/A
Efficacy: 120.2 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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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7676	7676	7676
5°	7573	7621	7681
10°	7533	7581	7673
15°	7456	7518	7674
20°	7357	7440	7645
25°	7230	7337	7602
30°	7081	7227	7567
35°	6907	7098	7552
40°	6728	6986	7551
45°	6541	6889	7603
50°	6335	6831	7700
55°	6105	6817	7885
60°	5838	6883	8181
65°	5514	7063	8669
70°	5110	7464	9501
75°	4619	8308	11023
80°	3909	10239	14319
85°	3171	16679	24536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 45170 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.6	2.9
10°-20°	582.9	8.1
20°-30°	872.9	12.2
30°-40°	1040.8	14.5
40°-50°	1079.4	15.1
50°-60°	1001.4	14.0
60°-70°	835.4	11.7
70°-80°	622.9	8.7
80°-90°	414.7	5.8
90°-100°	252.5	3.5
100°-110°	141.0	2.0
110°-120°	70.4	1.0
120°-130°	29.4	0.4
130°-140°	9.3	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°	1660.4	23.2
0°-40°	2701.2	37.7
0°-60°	4782.1	66.8
0°-90°	6655.2	92.9
90°-120°	463.9	6.5
90°-150°	504.9	7.0
90°-180°	507.0	7.1
0°-180°	7162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2164	2164	2164	2164	2164	
5°	2126	2175	2140	2152	2157	202
15°	2030	2082	2047	2084	2089	572
25°	1847	1896	1874	1926	1942	850
35°	1595	1637	1639	1720	1744	997
45°	1304	1337	1373	1481	1515	1006
55°	987	1021	1102	1231	1275	882
65°	657	709	841	984	1033	650
75°	337	430	606	753	804	356
85°	78	213	410	550	603	87
90°	3	140	325	459	508	6
95°	0	86	250	376	420	0
105°	0	27	137	232	268	0
115°	2	7	64	130	156	2
125°	2	2	25	63	78	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°	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5
2.5°	2134.7	2138.1	2168.5	2166.8	2161.8	2182.1	2187.2	2170.2	2143.1	2170.2	2146.5
5°	2126.2	2129.6	2160.1	2158.4	2153.3	2175.3	2177.0	2161.8	2134.7	2161.8	2139.8
7.5°	2111.0	2114.4	2144.8	2143.1	2139.8	2161.8	2160.1	2148.2	2119.4	2148.2	2124.5
10°	2090.7	2092.4	2124.5	2121.1	2119.4	2141.4	2136.4	2126.2	2097.4	2126.2	2104.2
12.5°	2063.6	2065.3	2097.4	2094.0	2094.0	2114.4	2107.6	2099.1	2070.3	2097.4	2078.8
15°	2029.7	2031.4	2061.9	2060.2	2060.2	2082.2	2072.0	2065.3	2038.2	2067.0	2046.6
17.5°	1992.5	1990.8	2022.9	2019.6	2022.9	2043.3	2029.7	2026.3	2000.9	2028.0	2011.1
20°	1948.5	1948.5	1977.2	1975.5	1980.6	1999.2	1982.3	1984.0	1958.6	1987.4	1970.5
22.5°	1899.4	1897.7	1926.5	1926.5	1931.5	1950.2	1931.5	1936.6	1911.2	1938.3	1924.8
25°	1846.9	1843.5	1872.3	1872.3	1880.7	1896.0	1875.7	1882.4	1858.7	1885.8	1874.0
27.5°	1789.3	1784.3	1813.0	1814.7	1821.5	1836.7	1814.7	1824.9	1802.9	1828.3	1819.8
30°	1728.4	1723.3	1752.1	1753.8	1762.2	1774.1	1752.1	1765.6	1745.3	1770.7	1763.9
32.5°	1662.4	1659.0	1686.1	1689.5	1697.9	1706.4	1686.1	1699.6	1682.7	1708.1	1701.3
35°	1594.7	1591.3	1616.7	1621.7	1630.2	1637.0	1615.0	1633.6	1618.4	1642.1	1638.7
37.5°	1525.3	1520.2	1547.3	1550.6	1560.8	1564.2	1543.9	1565.9	1552.3	1576.0	1574.3
40°	1452.5	1447.4	1474.5	1477.9	1488.0	1488.0	1471.1	1494.8	1484.6	1506.6	1508.3
42.5°	1379.7	1374.6	1398.3	1405.1	1413.5	1413.5	1396.6	1422.0	1415.2	1437.2	1442.3
45°	1303.5	1298.4	1320.4	1327.2	1337.3	1337.3	1320.4	1349.2	1344.1	1366.1	1372.9
47.5°	1229.0	1222.2	1242.5	1249.3	1259.5	1257.8	1244.2	1273.0	1271.3	1293.3	1305.2
50°	1147.7	1142.7	1163.0	1169.8	1181.6	1178.2	1168.1	1198.5	1198.5	1220.5	1237.5
52.5°	1068.2	1063.1	1083.4	1090.2	1100.3	1100.3	1090.2	1122.4	1127.4	1149.4	1169.8
55°	986.9	980.2	1000.5	1007.2	1019.1	1020.8	1012.3	1044.5	1054.6	1080.0	1102.0
57.5°	905.7	902.3	919.2	926.0	941.2	941.2	936.1	970.0	983.5	1010.6	1036.0
60°	822.7	819.3	834.6	843.0	860.0	863.3	860.0	895.5	914.1	941.2	970.0
62.5°	739.8	736.4	751.6	763.5	782.1	785.5	787.2	824.4	844.7	873.5	905.7
65°	656.8	653.4	668.7	682.2	704.2	709.3	714.4	753.3	777.0	807.5	841.3
67.5°	573.9	572.2	587.4	604.3	628.0	634.8	643.3	683.9	711.0	743.2	780.4
70°	492.6	490.9	506.2	526.5	555.3	563.7	573.9	614.5	648.4	682.2	719.5
72.5°	411.4	413.1	430.0	453.7	485.8	494.3	507.9	550.2	587.4	623.0	661.9
75°	336.9	336.9	355.5	382.6	418.1	430.0	445.2	489.2	528.2	565.4	606.0
77.5°	260.7	260.7	282.7	316.6	355.5	367.3	386.0	431.7	474.0	511.2	551.9
80°	191.3	194.7	220.1	253.9	294.6	309.8	331.8	377.5	423.2	460.5	501.1
82.5°	130.3	135.4	162.5	201.4	242.1	257.3	279.3	328.4	374.1	413.1	455.4
85°	77.9	86.3	115.1	154.0	196.4	213.3	237.0	282.7	328.4	367.3	409.7
87.5°	35.5	47.4	77.9	116.8	157.4	176.1	196.4	240.4	286.1	325.0	369.0
90°	3.4	20.3	50.8	84.6	123.6	140.5	160.8	203.1	247.2	282.7	325.0
92.5°	0.0	8.5	30.5	60.9	94.8	111.7	130.3	171.0	209.9	245.5	286.1
95°	0.0	3.4	16.9	42.3	71.1	86.3	103.3	140.5	179.4	213.3	250.5
97.5°	0.0	1.7	10.2	28.8	52.5	66.0	81.3	115.1	150.7	182.8	216.7
100°	0.0	1.7	5.1	18.6	38.9	49.1	64.3	93.1	125.3	154.0	187.9
102.5°	0.0	0.0	3.4	11.8	28.8	37.2	49.1	74.5	103.3	130.3	160.8
105°	0.0	0.0	1.7	8.5	20.3	27.1	37.2	59.2	84.6	108.3	137.1
107.5°	0.0	0.0	1.7	5.1	13.5	20.3	28.8	45.7	67.7	89.7	115.1
110°	1.7	1.7	1.7	3.4	10.2	15.2	20.3	35.5	55.9	74.5	96.5



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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	6.8	10.2	15.2	27.1	44.0	59.2	79.6
115°	1.7	1.7	1.7	1.7	5.1	6.8	10.2	20.3	33.9	47.4	64.3
117.5°	1.7	1.7	1.7	1.7	3.4	5.1	6.8	15.2	25.4	37.2	52.5
120°	1.7	1.7	1.7	1.7	1.7	3.4	5.1	10.2	20.3	28.8	42.3
122.5°	1.7	1.7	1.7	1.7	1.7	3.4	3.4	8.5	15.2	22.0	32.2
125°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	10.2	16.9	25.4
127.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8	11.8	18.6
130°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	8.5	13.5
132.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8	10.2
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.1	6.8
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4	3.4	5.1
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	3.4	1.7	1.7	1.7
160°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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°	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5	2163.5
2.5°	2153.3	2158.4	2163.5	2149.9	2158.4	2173.6	2178.7	2158.4	2165.1	2151.6
5°	2146.5	2149.9	2156.7	2139.8	2151.6	2165.1	2173.6	2156.7	2166.8	2156.7
7.5°	2133.0	2136.4	2144.8	2127.9	2143.1	2155.0	2165.1	2148.2	2158.4	2148.2
10°	2112.7	2117.7	2129.6	2109.3	2127.9	2138.1	2148.2	2129.6	2139.8	2129.6
12.5°	2087.3	2095.7	2105.9	2087.3	2105.9	2114.4	2127.9	2109.3	2121.1	2112.7
15°	2056.8	2065.3	2078.8	2060.2	2083.9	2090.7	2104.2	2085.6	2097.4	2089.0
17.5°	2021.3	2031.4	2048.3	2026.3	2053.4	2058.5	2072.0	2055.1	2067.0	2058.5
20°	1980.6	1990.8	2007.7	1987.4	2014.5	2017.9	2033.1	2017.9	2029.7	2024.6
22.5°	1933.2	1945.1	1962.0	1943.4	1972.2	1972.2	1990.8	1975.5	1989.1	1984.0
25°	1884.1	1897.7	1916.3	1896.0	1926.5	1926.5	1946.8	1931.5	1945.1	1941.7
27.5°	1831.7	1846.9	1868.9	1848.6	1879.1	1877.4	1897.7	1884.1	1899.4	1894.3
30°	1775.8	1792.7	1814.7	1797.8	1830.0	1826.6	1846.9	1835.0	1848.6	1846.9
32.5°	1714.8	1733.5	1760.6	1741.9	1774.1	1770.7	1796.1	1782.6	1799.5	1796.1
35°	1653.9	1674.2	1701.3	1684.4	1719.9	1714.8	1740.2	1728.4	1745.3	1743.6
37.5°	1591.3	1613.3	1640.4	1626.8	1660.7	1655.6	1682.7	1672.5	1691.1	1686.1
40°	1526.9	1549.0	1577.7	1565.9	1601.4	1594.7	1623.4	1615.0	1633.6	1630.2
42.5°	1462.6	1486.3	1515.1	1508.3	1542.2	1535.4	1564.2	1557.4	1576.0	1572.7
45°	1396.6	1422.0	1452.5	1445.7	1481.2	1474.5	1503.2	1498.2	1516.8	1515.1
47.5°	1330.6	1357.7	1388.1	1384.7	1418.6	1411.8	1442.3	1437.2	1455.8	1455.8
50°	1262.9	1293.3	1323.8	1322.1	1356.0	1349.2	1376.3	1376.3	1396.6	1394.9
52.5°	1195.1	1227.3	1259.5	1259.5	1293.3	1286.6	1317.0	1315.3	1335.7	1335.7
55°	1130.8	1159.6	1191.8	1198.5	1230.7	1220.5	1252.7	1256.1	1273.0	1274.7
57.5°	1066.5	1097.0	1129.1	1137.6	1168.1	1161.3	1191.8	1195.1	1212.1	1213.8
60°	1002.2	1030.9	1063.1	1075.0	1105.4	1098.7	1129.1	1132.5	1151.1	1152.8
62.5°	937.8	966.6	1002.2	1014.0	1042.8	1037.7	1069.9	1073.3	1090.2	1093.6
65°	875.2	905.7	939.5	956.5	983.5	976.8	1008.9	1012.3	1030.9	1032.6
67.5°	814.3	844.7	878.6	897.2	922.6	919.2	949.7	956.5	971.7	975.1
70°	755.0	785.5	821.0	839.6	865.0	863.3	892.1	897.2	914.1	915.8
72.5°	697.5	727.9	763.5	785.5	807.5	805.8	834.6	841.3	858.3	860.0
75°	641.6	673.8	707.6	731.3	753.3	751.6	780.4	787.2	802.4	804.1
77.5°	589.1	621.3	656.8	680.5	699.1	700.8	726.2	733.0	748.2	753.3
80°	540.0	570.5	604.3	629.7	646.7	650.1	673.8	682.2	694.1	700.8
82.5°	492.6	523.1	556.9	580.6	597.6	601.0	623.0	633.1	645.0	650.1
85°	446.9	477.4	509.5	534.9	550.2	551.9	573.9	584.0	594.2	602.7
87.5°	402.9	433.4	463.8	490.9	504.5	507.9	528.2	538.3	546.8	555.3
90°	358.9	389.4	419.8	445.2	458.8	460.5	482.5	492.6	501.1	507.9
92.5°	318.3	348.7	379.2	404.6	416.4	419.8	438.4	450.3	457.1	463.8
95°	279.3	309.8	336.9	364.0	375.8	380.9	397.8	408.0	416.4	419.8
97.5°	245.5	272.5	297.9	325.0	335.2	340.3	357.2	369.0	375.8	379.2
100°	213.3	238.7	262.4	287.8	297.9	303.0	318.3	328.4	335.2	340.3
102.5°	184.5	208.2	230.2	253.9	264.1	267.5	281.0	291.2	297.9	303.0
105°	159.1	181.1	201.4	223.5	231.9	237.0	248.8	257.3	264.1	267.5
107.5°	135.4	157.4	174.4	194.7	203.1	206.5	218.4	228.5	233.6	235.3
110°	115.1	133.7	150.7	167.6	177.7	181.1	191.3	199.8	204.8	206.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	96.5	113.4	128.7	143.9	152.4	155.7	165.9	174.4	177.7	179.4
115°	79.6	96.5	108.3	123.6	130.3	133.7	142.2	150.7	152.4	155.7
117.5°	64.3	79.6	91.4	103.3	110.0	113.4	120.2	127.0	130.3	132.0
120°	52.5	64.3	74.5	86.3	91.4	94.8	101.6	108.3	110.0	111.7
122.5°	42.3	52.5	60.9	71.1	76.2	79.6	84.6	89.7	91.4	93.1
125°	32.2	42.3	49.1	57.6	62.6	64.3	69.4	74.5	76.2	77.9
127.5°	25.4	32.2	38.9	45.7	49.1	50.8	55.9	59.2	60.9	62.6
130°	18.6	23.7	28.8	35.5	38.9	40.6	44.0	47.4	49.1	49.1
132.5°	13.5	18.6	22.0	27.1	28.8	30.5	33.9	37.2	37.2	38.9
135°	8.5	11.8	15.2	18.6	22.0	22.0	25.4	27.1	28.8	28.8
137.5°	6.8	8.5	10.2	13.5	15.2	16.9	16.9	20.3	20.3	20.3
140°	5.1	6.8	6.8	8.5	10.2	11.8	11.8	13.5	13.5	13.5
142.5°	3.4	5.1	5.1	6.8	6.8	8.5	8.5	8.5	10.2	10.2
145°	3.4	3.4	3.4	5.1	5.1	5.1	5.1	6.8	6.8	6.8
147.5°	1.7	1.7	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1
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	17.37	18.91	17.84	19.36	19.85	18.94	20.48	19.41	20.93	21.42
	3H	19.05	20.45	19.53	20.92	21.44	21.57	22.97	22.05	23.44	23.96
	4H	19.64	20.97	20.15	21.46	22.00	22.88	24.21	23.38	24.69	25.23
	6H	20.04	21.28	20.56	21.78	22.34	24.28	25.52	24.80	26.02	26.58
	8H	20.16	21.35	20.69	21.87	22.43	25.03	26.22	25.56	26.74	27.30
	12H	20.23	21.37	20.77	21.89	22.48	25.88	27.02	26.42	27.54	28.13
4H	2H	18.30	19.63	18.80	20.11	20.65	19.49	20.82	20.00	21.31	21.85
	3H	20.28	21.41	20.79	21.94	22.50	22.41	23.54	22.92	24.07	24.63
	4H	21.05	22.09	21.59	22.63	23.23	23.93	24.97	24.47	25.51	26.11
	6H	21.63	22.55	22.19	23.12	23.73	25.57	26.50	26.13	27.06	27.67
	8H	21.81	22.68	22.38	23.24	23.87	26.46	27.32	27.02	27.89	28.51
	12H	21.94	22.73	22.52	23.32	23.94	27.46	28.25	28.04	28.84	29.47
8H	4H	21.93	22.80	22.49	23.36	23.98	24.29	25.16	24.85	25.72	26.35
	6H	22.81	23.55	23.41	24.15	24.78	26.19	26.93	26.79	27.54	28.16
	8H	23.16	23.83	23.77	24.44	25.08	27.28	27.94	27.88	28.56	29.20
	12H	23.43	24.03	24.04	24.63	25.34	28.54	29.14	29.15	29.74	30.45
12H	4H	22.21	23.00	22.79	23.59	24.21	24.33	25.12	24.92	25.71	26.34
	6H	23.26	23.93	23.87	24.54	25.18	26.30	26.97	26.91	27.59	28.23
	8H	23.78	24.37	24.39	24.98	25.69	27.50	28.10	28.11	28.70	29.41