

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: P895152

Luminaire Tested: 8TMB-6SL-RND-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895152
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-6SL-RND-UNV-L850
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

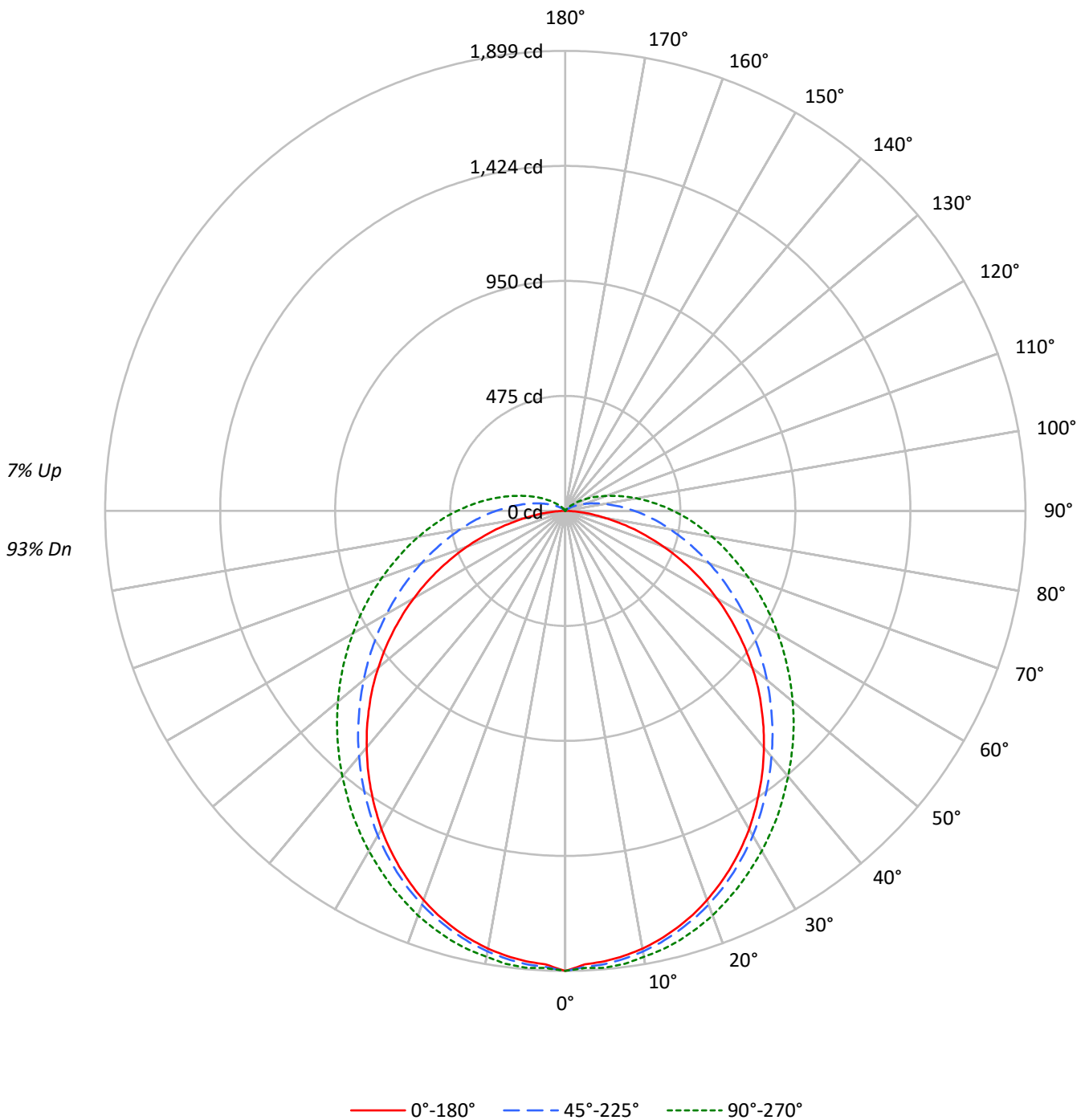
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6286.0 lumens
Efficiency: N/A
Efficacy: 149.0 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): 42.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.51
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-6SL-RND-UNV-L850

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°	6737	6737	6737
5°	6646	6689	6742
10°	6611	6654	6734
15°	6544	6598	6735
20°	6457	6530	6710
25°	6346	6439	6672
30°	6215	6343	6641
35°	6062	6230	6629
40°	5905	6132	6627
45°	5741	6046	6673
50°	5561	5995	6758
55°	5358	5983	6921
60°	5124	6042	7180
65°	4840	6199	7609
70°	4486	6551	8339
75°	4054	7292	9674
80°	3431	8986	12568
85°	2781	14639	21532

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 39638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	2.9
10°-20°	511.6	8.1
20°-30°	766.1	12.2
30°-40°	913.5	14.5
40°-50°	947.4	15.1
50°-60°	878.9	14.0
60°-70°	733.3	11.7
70°-80°	546.7	8.7
80°-90°	364.0	5.8
90°-100°	221.6	3.5
100°-110°	123.7	2.0
110°-120°	61.8	1.0
120°-130°	25.8	0.4
130°-140°	8.1	0.1
140°-150°	2.0	0.0
150°-160°	0.9	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1457.4	23.2
0°-40°	2370.8	37.7
0°-60°	4197.2	66.8
0°-90°	5841.2	92.9
90°-120°	407.2	6.5
90°-150°	443.2	7.0
90°-180°	445.0	7.1
0°-180°	6286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1866	1909	1878	1888	1893	177
15°	1782	1828	1796	1829	1834	502
25°	1621	1664	1645	1691	1704	746
35°	1400	1437	1438	1510	1530	875
45°	1144	1174	1205	1300	1330	883
55°	866	896	967	1080	1119	774
65°	576	622	738	863	906	571
75°	296	377	532	661	706	313
85°	68	187	360	483	529	77
90°	3	123	285	403	446	5
95°	0	76	220	330	368	0
105°	0	24	120	204	235	0
115°	2	6	56	114	137	1
125°	2	2	22	55	68	1
135°	2	2	6	19	25	1
145°	2	2	2	4	6	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	



TEST NUMBER: P895152
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1873.6	1876.5	1903.3	1901.8	1897.4	1915.2	1919.6	1904.8	1881.0	1904.8	1884.0
5°	1866.1	1869.1	1895.9	1894.4	1889.9	1909.2	1910.7	1897.4	1873.6	1897.4	1878.0
7.5°	1852.8	1855.7	1882.5	1881.0	1878.0	1897.4	1895.9	1885.5	1860.2	1885.5	1864.7
10°	1834.9	1836.4	1864.7	1861.7	1860.2	1879.5	1875.1	1866.1	1840.9	1866.1	1846.8
12.5°	1811.2	1812.7	1840.9	1837.9	1837.9	1855.7	1849.8	1842.4	1817.1	1840.9	1824.5
15°	1781.5	1782.9	1809.7	1808.2	1808.2	1827.5	1818.6	1812.7	1788.9	1814.1	1796.3
17.5°	1748.8	1747.3	1775.5	1772.5	1775.5	1793.3	1781.5	1778.5	1756.2	1780.0	1765.1
20°	1710.1	1710.1	1735.4	1733.9	1738.4	1754.7	1739.9	1741.3	1719.1	1744.3	1729.5
22.5°	1667.1	1665.6	1690.8	1690.8	1695.3	1711.6	1695.3	1699.7	1677.5	1701.2	1689.3
25°	1621.0	1618.0	1643.3	1643.3	1650.7	1664.1	1646.3	1652.2	1631.4	1655.2	1644.8
27.5°	1570.5	1566.0	1591.3	1592.8	1598.7	1612.1	1592.8	1601.7	1582.4	1604.7	1597.2
30°	1517.0	1512.5	1537.8	1539.3	1546.7	1557.1	1537.8	1549.7	1531.8	1554.1	1548.2
32.5°	1459.0	1456.1	1479.8	1482.8	1490.2	1497.7	1479.8	1491.7	1476.9	1499.2	1493.2
35°	1399.6	1396.6	1418.9	1423.4	1430.8	1436.8	1417.4	1433.8	1420.4	1441.2	1438.2
37.5°	1338.7	1334.2	1358.0	1361.0	1369.9	1372.9	1355.0	1374.4	1362.5	1383.3	1381.8
40°	1274.8	1270.3	1294.1	1297.1	1306.0	1306.0	1291.1	1312.0	1303.0	1322.4	1323.8
42.5°	1210.9	1206.5	1227.3	1233.2	1240.6	1240.6	1225.8	1248.1	1242.1	1261.4	1265.9
45°	1144.1	1139.6	1158.9	1164.9	1173.8	1173.8	1158.9	1184.2	1179.7	1199.0	1205.0
47.5°	1078.7	1072.7	1090.6	1096.5	1105.4	1103.9	1092.1	1117.3	1115.8	1135.1	1145.5
50°	1007.4	1002.9	1020.7	1026.7	1037.1	1034.1	1025.2	1051.9	1051.9	1071.3	1086.1
52.5°	937.5	933.1	950.9	956.8	965.8	965.8	956.8	985.1	989.5	1008.8	1026.7
55°	866.2	860.3	878.1	884.0	894.4	895.9	888.5	916.7	925.6	947.9	967.2
57.5°	794.9	791.9	806.8	812.7	826.1	826.1	821.6	851.4	863.2	887.0	909.3
60°	722.1	719.1	732.5	739.9	754.8	757.8	754.8	786.0	802.3	826.1	851.4
62.5°	649.3	646.3	659.7	670.1	686.4	689.4	690.9	723.6	741.4	766.7	794.9
65°	576.5	573.5	586.9	598.8	618.1	622.5	627.0	661.2	682.0	708.7	738.4
67.5°	503.7	502.2	515.6	530.4	551.2	557.2	564.6	600.3	624.0	652.3	684.9
70°	432.4	430.9	444.3	462.1	487.3	494.8	503.7	539.3	569.1	598.8	631.5
72.5°	361.0	362.5	377.4	398.2	426.4	433.8	445.7	482.9	515.6	546.8	580.9
75°	295.7	295.7	312.0	335.8	367.0	377.4	390.8	429.4	463.6	496.3	531.9
77.5°	228.8	228.8	248.1	277.8	312.0	322.4	338.8	378.9	416.0	448.7	484.4
80°	167.9	170.9	193.2	222.9	258.5	271.9	291.2	331.3	371.4	404.1	439.8
82.5°	114.4	118.9	142.6	176.8	212.5	225.8	245.2	288.2	328.4	362.5	399.7
85°	68.3	75.8	101.0	135.2	172.4	187.2	208.0	248.1	288.2	322.4	359.6
87.5°	31.2	41.6	68.3	102.5	138.2	154.5	172.4	211.0	251.1	285.3	323.9
90°	3.0	17.8	44.6	74.3	108.5	123.3	141.1	178.3	216.9	248.1	285.3
92.5°	0.0	7.4	26.7	53.5	83.2	98.1	114.4	150.1	184.2	215.4	251.1
95°	0.0	3.0	14.9	37.1	62.4	75.8	90.6	123.3	157.5	187.2	219.9
97.5°	0.0	1.5	8.9	25.3	46.1	57.9	71.3	101.0	132.2	160.5	190.2
100°	0.0	1.5	4.5	16.3	34.2	43.1	56.5	81.7	109.9	135.2	164.9
102.5°	0.0	0.0	3.0	10.4	25.3	32.7	43.1	65.4	90.6	114.4	141.1
105°	0.0	0.0	1.5	7.4	17.8	23.8	32.7	52.0	74.3	95.1	120.3
107.5°	0.0	0.0	1.5	4.5	11.9	17.8	25.3	40.1	59.4	78.7	101.0
110°	1.5	1.5	1.5	3.0	8.9	13.4	17.8	31.2	49.0	65.4	84.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.5	1.5	1.5	1.5	5.9	8.9	13.4	23.8	38.6	52.0	69.8
115°	1.5	1.5	1.5	1.5	4.5	5.9	8.9	17.8	29.7	41.6	56.5
117.5°	1.5	1.5	1.5	1.5	3.0	4.5	5.9	13.4	22.3	32.7	46.1
120°	1.5	1.5	1.5	1.5	1.5	3.0	4.5	8.9	17.8	25.3	37.1
122.5°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	7.4	13.4	19.3	28.2
125°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	8.9	14.9	22.3
127.5°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	5.9	10.4	16.3
130°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	7.4	11.9
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	5.9	8.9
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	5.9
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
145°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
152.5°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
155°	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
157.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5
160°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5
162.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5
165°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5
167.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5
170°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
172.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5
175°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
177.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8	1898.8
2.5°	1889.9	1894.4	1898.8	1886.9	1894.4	1907.8	1912.2	1894.4	1900.3	1888.4
5°	1884.0	1886.9	1892.9	1878.0	1888.4	1900.3	1907.8	1892.9	1901.8	1892.9
7.5°	1872.1	1875.1	1882.5	1867.6	1881.0	1891.4	1900.3	1885.5	1894.4	1885.5
10°	1854.3	1858.7	1869.1	1851.3	1867.6	1876.5	1885.5	1869.1	1878.0	1869.1
12.5°	1832.0	1839.4	1848.3	1832.0	1848.3	1855.7	1867.6	1851.3	1861.7	1854.3
15°	1805.2	1812.7	1824.5	1808.2	1829.0	1834.9	1846.8	1830.5	1840.9	1833.5
17.5°	1774.0	1782.9	1797.8	1778.5	1802.3	1806.7	1818.6	1803.7	1814.1	1806.7
20°	1738.4	1747.3	1762.1	1744.3	1768.1	1771.1	1784.4	1771.1	1781.5	1777.0
22.5°	1696.8	1707.2	1722.0	1705.7	1730.9	1730.9	1747.3	1733.9	1745.8	1741.3
25°	1653.7	1665.6	1681.9	1664.1	1690.8	1690.8	1708.7	1695.3	1707.2	1704.2
27.5°	1607.6	1621.0	1640.3	1622.5	1649.2	1647.7	1665.6	1653.7	1667.1	1662.6
30°	1558.6	1573.4	1592.8	1577.9	1606.1	1603.2	1621.0	1610.6	1622.5	1621.0
32.5°	1505.1	1521.4	1545.2	1528.9	1557.1	1554.1	1576.4	1564.5	1579.4	1576.4
35°	1451.6	1469.4	1493.2	1478.4	1509.6	1505.1	1527.4	1517.0	1531.8	1530.4
37.5°	1396.6	1416.0	1439.7	1427.8	1457.6	1453.1	1476.9	1468.0	1484.3	1479.8
40°	1340.2	1359.5	1384.8	1374.4	1405.6	1399.6	1424.9	1417.4	1433.8	1430.8
42.5°	1283.7	1304.5	1329.8	1323.8	1353.6	1347.6	1372.9	1366.9	1383.3	1380.3
45°	1225.8	1248.1	1274.8	1268.9	1300.1	1294.1	1319.4	1314.9	1331.3	1329.8
47.5°	1167.8	1191.6	1218.3	1215.4	1245.1	1239.1	1265.9	1261.4	1277.8	1277.8
50°	1108.4	1135.1	1161.9	1160.4	1190.1	1184.2	1207.9	1207.9	1225.8	1224.3
52.5°	1049.0	1077.2	1105.4	1105.4	1135.1	1129.2	1155.9	1154.5	1172.3	1172.3
55°	992.5	1017.8	1046.0	1051.9	1080.2	1071.3	1099.5	1102.5	1117.3	1118.8
57.5°	936.0	962.8	991.0	998.4	1025.2	1019.3	1046.0	1049.0	1063.8	1065.3
60°	879.6	904.8	933.1	943.5	970.2	964.3	991.0	994.0	1010.3	1011.8
62.5°	823.1	848.4	879.6	890.0	915.2	910.8	939.0	942.0	956.8	959.8
65°	768.2	794.9	824.6	839.5	863.2	857.3	885.5	888.5	904.8	906.3
67.5°	714.7	741.4	771.1	787.5	809.8	806.8	833.5	839.5	852.8	855.8
70°	662.7	689.4	720.6	737.0	759.2	757.8	783.0	787.5	802.3	803.8
72.5°	612.1	638.9	670.1	689.4	708.7	707.2	732.5	738.4	753.3	754.8
75°	563.1	591.3	621.1	641.9	661.2	659.7	684.9	690.9	704.3	705.7
77.5°	517.1	545.3	576.5	597.3	613.6	615.1	637.4	643.3	656.7	661.2
80°	474.0	500.7	530.4	552.7	567.6	570.5	591.3	598.8	609.2	615.1
82.5°	432.4	459.1	488.8	509.6	524.5	527.5	546.8	555.7	566.1	570.5
85°	392.2	419.0	447.2	469.5	482.9	484.4	503.7	512.6	521.5	528.9
87.5°	353.6	380.4	407.1	430.9	442.8	445.7	463.6	472.5	479.9	487.3
90°	315.0	341.7	368.5	390.8	402.6	404.1	423.4	432.4	439.8	445.7
92.5°	279.3	306.1	332.8	355.1	365.5	368.5	384.8	395.2	401.2	407.1
95°	245.2	271.9	295.7	319.4	329.8	334.3	349.2	358.1	365.5	368.5
97.5°	215.4	239.2	261.5	285.3	294.2	298.6	313.5	323.9	329.8	332.8
100°	187.2	209.5	230.3	252.6	261.5	266.0	279.3	288.2	294.2	298.6
102.5°	162.0	182.8	202.1	222.9	231.8	234.8	246.6	255.6	261.5	266.0
105°	139.7	159.0	176.8	196.1	203.6	208.0	218.4	225.8	231.8	234.8
107.5°	118.9	138.2	153.0	170.9	178.3	181.3	191.7	200.6	205.0	206.5
110°	101.0	117.4	132.2	147.1	156.0	159.0	167.9	175.3	179.8	181.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	84.7	99.5	112.9	126.3	133.7	136.7	145.6	153.0	156.0	157.5
115°	69.8	84.7	95.1	108.5	114.4	117.4	124.8	132.2	133.7	136.7
117.5°	56.5	69.8	80.2	90.6	96.6	99.5	105.5	111.4	114.4	115.9
120°	46.1	56.5	65.4	75.8	80.2	83.2	89.1	95.1	96.6	98.1
122.5°	37.1	46.1	53.5	62.4	66.9	69.8	74.3	78.7	80.2	81.7
125°	28.2	37.1	43.1	50.5	55.0	56.5	60.9	65.4	66.9	68.3
127.5°	22.3	28.2	34.2	40.1	43.1	44.6	49.0	52.0	53.5	55.0
130°	16.3	20.8	25.3	31.2	34.2	35.7	38.6	41.6	43.1	43.1
132.5°	11.9	16.3	19.3	23.8	25.3	26.7	29.7	32.7	32.7	34.2
135°	7.4	10.4	13.4	16.3	19.3	19.3	22.3	23.8	25.3	25.3
137.5°	5.9	7.4	8.9	11.9	13.4	14.9	14.9	17.8	17.8	17.8
140°	4.5	5.9	5.9	7.4	8.9	10.4	10.4	11.9	11.9	11.9
142.5°	3.0	4.5	4.5	5.9	5.9	7.4	7.4	7.4	8.9	8.9
145°	3.0	3.0	3.0	4.5	4.5	4.5	4.5	5.9	5.9	5.9
147.5°	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
180°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0



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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	16.92	18.45	17.39	18.91	19.40	18.49	20.02	18.96	20.48	20.97
	3H	18.59	19.99	19.08	20.46	20.99	21.11	22.52	21.60	22.98	23.51
	4H	19.19	20.52	19.69	21.01	21.55	22.42	23.75	22.93	24.24	24.78
	6H	19.59	20.83	20.11	21.33	21.88	23.83	25.07	24.35	25.57	26.12
	8H	19.70	20.89	20.23	21.42	21.98	24.58	25.77	25.11	26.29	26.85
	12H	19.78	20.92	20.32	21.44	22.03	25.43	26.57	25.96	27.08	27.68
4H	2H	17.84	19.17	18.35	19.66	20.20	19.04	20.37	19.54	20.85	21.39
	3H	19.82	20.96	20.34	21.49	22.05	21.95	23.09	22.47	23.62	24.18
	4H	20.60	21.64	21.13	22.18	22.77	23.48	24.52	24.02	25.06	25.65
	6H	21.18	22.10	21.73	22.66	23.27	25.12	26.04	25.68	26.61	27.22
	8H	21.36	22.23	21.92	22.79	23.41	26.00	26.87	26.56	27.43	28.06
	12H	21.48	22.27	22.07	22.86	23.49	27.01	27.79	27.59	28.39	29.01
8H	4H	21.48	22.34	22.04	22.91	23.53	23.84	24.71	24.40	25.27	25.89
	6H	22.36	23.09	22.95	23.70	24.33	25.74	26.48	26.34	27.08	27.71
	8H	22.71	23.37	23.31	23.99	24.63	26.82	27.49	27.43	28.11	28.75
	12H	22.98	23.57	23.59	24.18	24.88	28.09	28.68	28.70	29.29	29.99
12H	4H	21.75	22.54	22.34	23.13	23.76	23.88	24.67	24.46	25.26	25.89
	6H	22.81	23.47	23.41	24.09	24.73	25.85	26.52	26.46	27.13	27.77
	8H	23.33	23.92	23.93	24.53	25.23	27.05	27.64	27.65	28.25	28.95