

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: P895276

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-8SL-RNDU-UNV-L950
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

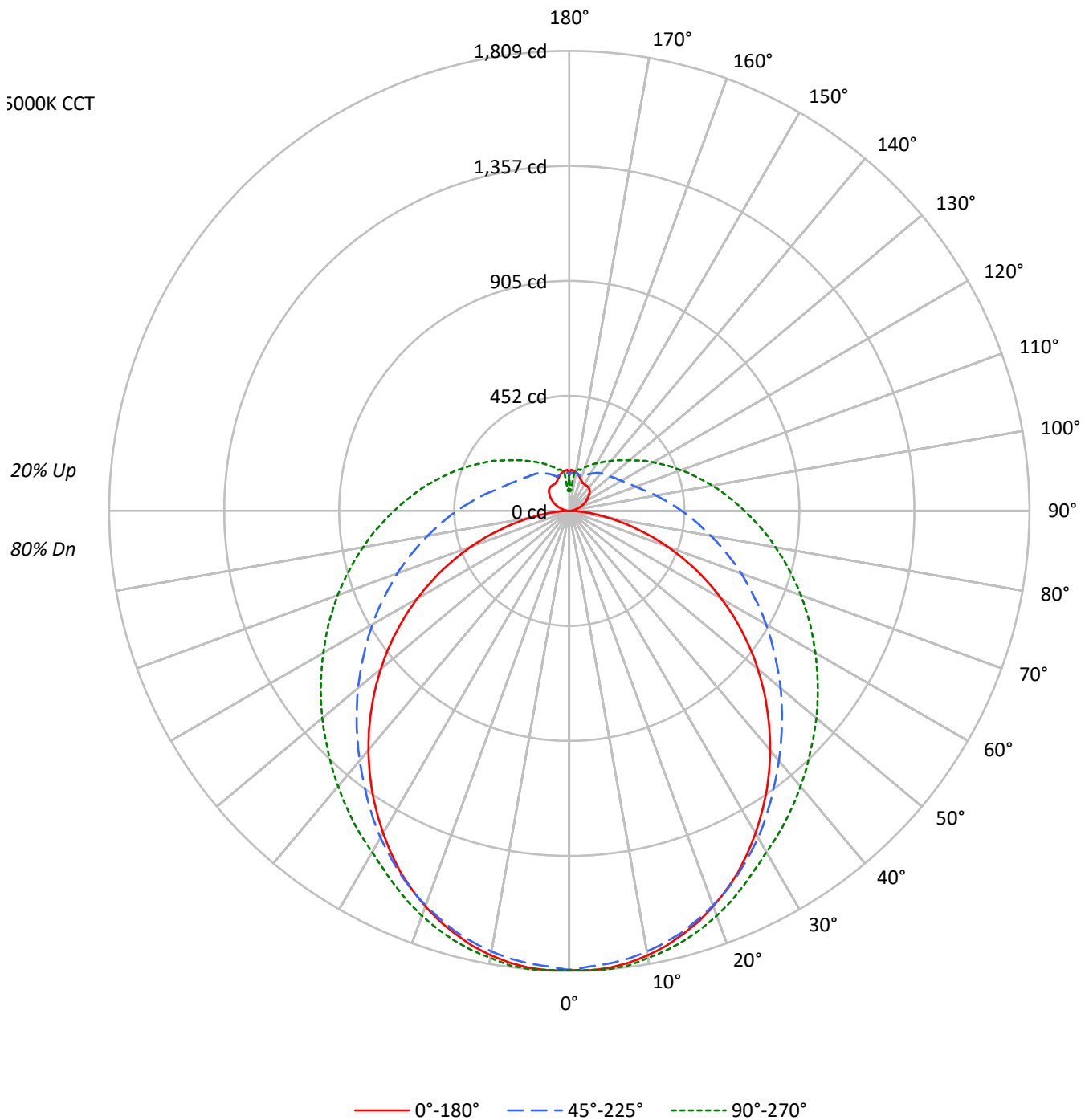
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7595.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 59.6
Input Voltage (V): 120
Input Current (A_{in}): 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										
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	50	30	10	50	30	10	0				
RCR																															
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80													
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	61													
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	49													
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	41													
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	34													
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	29													
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	26													
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	23													
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	20													
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18													
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	16													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6407	6407	6407
5°	6411	6146	6149
10°	6365	5915	5865
15°	6286	5681	5602
20°	6188	5432	5333
25°	6067	5181	5063
30°	5908	4927	4823
35°	5744	4665	4647
40°	5568	4428	4487
45°	5377	4219	4344
50°	5178	4033	4234
55°	4949	3862	4138
60°	4689	3723	4066
65°	4371	3602	4026
70°	3974	3531	4012
75°	3434	3484	4030
80°	2782	3498	4094
85°	1941	3609	4227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5377 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.8	2.2
10°-20°	487.1	6.4
20°-30°	731.4	9.6
30°-40°	879.5	11.6
40°-50°	931.8	12.3
50°-60°	897.4	11.8
60°-70°	794.2	10.5
70°-80°	651.4	8.6
80°-90°	505.5	6.7
90°-100°	392.3	5.2
100°-110°	310.9	4.1
110°-120°	247.6	3.3
120°-130°	196.7	2.6
130°-140°	153.6	2.0
140°-150°	113.1	1.5
150°-160°	74.8	1.0
160°-170°	43.0	0.6
170°-180°	13.8	0.2
0°-30°	1389.4	18.3
0°-40°	2268.9	29.9
0°-60°	4098.1	54.0
0°-90°	6049.2	79.6
90°-120°	950.8	12.5
90°-150°	1414.2	18.6
90°-180°	1546.0	20.4
0°-180°	7595.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1806	1806	1806	1806	1806	
5°	1804	1806	1787	1801	1809	171
15°	1723	1725	1715	1740	1749	486
25°	1569	1574	1574	1613	1624	722
35°	1350	1368	1383	1455	1484	844
45°	1100	1125	1182	1294	1340	848
55°	830	871	986	1132	1192	742
65°	550	625	802	971	1043	544
75°	275	412	639	820	895	294
85°	62	249	500	682	754	71
90°	2	196	442	618	689	5
95°	9	162	390	558	627	9
105°	31	131	308	457	517	33
115°	62	125	256	373	423	61
125°	89	131	223	308	345	80
135°	113	139	201	258	282	87
145°	120	137	182	222	235	75
155°	122	143	156	189	199	57
165°	144	153	148	148	167	40
175°	160	158	151	125	84	15
180°	139	139	139	139	139	



TEST NUMBER: P895276
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7
2.5°	1809.2	1807.4	1810.9	1814.3	1824.6	1810.9	1817.7	1798.9	1800.6	1802.3	1793.7
5°	1804.0	1798.9	1804.0	1807.4	1816.0	1805.7	1812.6	1792.0	1793.7	1797.1	1786.8
7.5°	1792.0	1786.8	1790.3	1793.7	1802.3	1792.0	1800.6	1780.0	1783.4	1785.1	1776.5
10°	1774.8	1767.9	1771.4	1776.5	1783.4	1774.8	1781.7	1762.8	1764.5	1767.9	1759.3
12.5°	1752.5	1745.6	1749.0	1752.5	1761.1	1752.5	1759.3	1740.4	1743.9	1747.3	1738.7
15°	1723.3	1716.4	1719.8	1723.3	1730.1	1725.0	1731.8	1712.9	1716.4	1723.3	1714.7
17.5°	1692.3	1682.0	1685.5	1690.6	1697.5	1694.0	1699.2	1683.7	1685.5	1692.3	1683.7
20°	1654.5	1644.2	1647.7	1652.8	1659.7	1658.0	1661.4	1647.7	1651.1	1659.7	1651.1
22.5°	1613.3	1603.0	1606.4	1613.3	1618.5	1618.5	1620.2	1609.9	1613.3	1621.9	1615.0
25°	1568.6	1558.3	1561.8	1568.6	1573.8	1573.8	1577.2	1566.9	1572.1	1580.7	1573.8
27.5°	1517.1	1511.9	1511.9	1518.8	1522.2	1525.7	1527.4	1518.8	1525.7	1534.3	1529.1
30°	1463.8	1456.9	1460.4	1469.0	1469.0	1475.8	1475.8	1469.0	1477.6	1487.9	1484.4
32.5°	1407.1	1402.0	1403.7	1414.0	1414.0	1422.6	1420.9	1417.4	1426.0	1438.0	1434.6
35°	1350.4	1345.3	1347.0	1357.3	1357.3	1367.6	1364.2	1364.2	1372.8	1386.5	1383.1
37.5°	1290.3	1286.9	1288.6	1298.9	1298.9	1309.2	1305.8	1307.5	1317.8	1333.2	1331.5
40°	1228.4	1225.0	1228.4	1237.0	1240.5	1249.1	1245.6	1249.1	1262.8	1276.5	1281.7
42.5°	1164.9	1163.2	1166.6	1175.2	1178.6	1187.2	1185.5	1190.6	1204.4	1225.0	1231.9
45°	1099.6	1099.6	1103.0	1111.6	1115.0	1125.4	1123.6	1130.5	1147.7	1170.0	1182.1
47.5°	1034.3	1036.0	1037.7	1048.0	1048.0	1065.2	1060.1	1070.4	1092.7	1118.5	1132.2
50°	967.3	970.7	972.4	981.0	984.5	999.9	996.5	1013.7	1037.7	1065.2	1084.1
52.5°	900.3	903.7	907.2	914.0	917.5	936.4	932.9	955.3	984.5	1013.7	1034.3
55°	829.8	836.7	838.4	847.0	852.2	871.1	871.1	896.8	927.8	960.4	986.2
57.5°	761.1	768.0	769.7	780.0	786.9	809.2	812.7	841.9	876.2	908.9	939.8
60°	690.7	699.3	701.0	711.3	723.3	747.4	752.5	785.2	823.0	857.3	893.4
62.5°	620.2	628.8	632.3	642.6	661.5	685.5	694.1	731.9	771.4	809.2	848.7
65°	549.8	558.4	563.5	577.3	599.6	625.4	637.4	676.9	721.6	761.1	802.4
67.5°	479.3	489.7	496.5	513.7	542.9	570.4	582.4	627.1	673.5	716.4	759.4
70°	410.6	420.9	429.5	451.9	486.2	513.7	529.2	577.3	625.4	671.8	719.9
72.5°	343.6	353.9	366.0	393.4	431.2	462.2	479.3	529.2	582.4	628.8	678.6
75°	274.9	286.9	300.7	338.5	381.4	412.3	431.2	484.5	539.5	585.9	639.1
77.5°	213.0	225.1	245.7	283.5	331.6	366.0	386.6	443.3	500.0	546.4	601.3
80°	156.3	168.4	195.9	237.1	286.9	319.6	345.3	403.8	462.2	510.3	565.3
82.5°	106.5	118.5	151.2	195.9	249.1	281.8	305.8	367.7	426.1	475.9	530.9
85°	61.9	79.0	113.4	161.5	216.5	249.1	273.2	336.7	393.4	443.3	500.0
87.5°	27.5	48.1	85.9	134.0	189.0	219.9	245.7	304.1	364.2	414.1	470.8
90°	1.7	27.5	67.0	113.4	166.7	195.9	219.9	278.3	335.0	386.6	441.6
92.5°	3.4	18.9	55.0	97.9	147.8	177.0	201.0	256.0	309.3	362.5	415.8
95°	8.6	18.9	48.1	87.6	134.0	161.5	183.8	237.1	286.9	338.5	390.0
97.5°	13.7	20.6	46.4	82.5	123.7	149.5	170.1	219.9	269.7	316.1	367.7
100°	18.9	25.8	46.4	79.0	116.8	140.9	159.8	206.2	252.6	295.5	347.1
102.5°	24.1	30.9	49.8	79.0	113.4	134.0	152.9	195.9	238.8	278.3	326.4
105°	30.9	36.1	53.3	79.0	110.0	130.6	146.0	185.6	226.8	264.6	307.5
107.5°	37.8	41.2	56.7	80.8	110.0	127.1	142.6	178.7	216.5	250.8	292.1
110°	46.4	48.1	61.9	84.2	110.0	125.4	139.2	173.5	207.9	240.5	278.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	53.3	53.3	67.0	87.6	110.0	125.4	137.4	168.4	201.0	230.2	266.3
115°	61.9	61.9	72.2	91.1	111.7	125.4	137.4	166.7	195.9	221.6	256.0
117.5°	68.7	68.7	79.0	94.5	115.1	127.1	137.4	163.2	190.7	214.8	245.7
120°	75.6	75.6	82.5	97.9	116.8	128.9	137.4	161.5	185.6	209.6	237.1
122.5°	82.5	82.5	87.6	103.1	118.5	128.9	137.4	159.8	182.1	202.7	228.5
125°	89.3	89.3	92.8	106.5	122.0	130.6	139.2	159.8	180.4	197.6	223.4
127.5°	96.2	94.5	99.6	111.7	123.7	132.3	140.9	159.8	177.0	194.1	216.5
130°	101.4	99.6	106.5	115.1	127.1	134.0	140.9	158.1	175.2	190.7	209.6
132.5°	108.2	104.8	113.4	116.8	130.6	137.4	142.6	158.1	173.5	187.3	206.2
135°	113.4	110.0	118.5	122.0	132.3	139.2	144.3	158.1	171.8	185.6	201.0
137.5°	116.8	115.1	123.7	127.1	134.0	140.9	146.0	158.1	170.1	182.1	197.6
140°	118.5	116.8	123.7	130.6	134.0	140.9	144.3	156.3	168.4	178.7	192.4
142.5°	120.3	120.3	125.4	132.3	134.0	139.2	144.3	154.6	164.9	173.5	189.0
145°	120.3	120.3	125.4	134.0	135.7	137.4	140.9	151.2	159.8	168.4	182.1
147.5°	120.3	120.3	127.1	134.0	137.4	139.2	137.4	147.8	156.3	163.2	175.2
150°	120.3	120.3	127.1	134.0	139.2	140.9	139.2	144.3	151.2	158.1	168.4
152.5°	122.0	122.0	127.1	134.0	139.2	140.9	140.9	140.9	146.0	152.9	163.2
155°	122.0	123.7	127.1	137.4	140.9	142.6	142.6	142.6	140.9	147.8	156.3
157.5°	127.1	128.9	130.6	139.2	142.6	144.3	144.3	144.3	142.6	140.9	149.5
160°	132.3	134.0	135.7	142.6	146.0	147.8	147.8	147.8	144.3	142.6	142.6
162.5°	137.4	140.9	140.9	144.3	147.8	149.5	149.5	151.2	147.8	146.0	144.3
165°	144.3	146.0	146.0	147.8	151.2	152.9	151.2	152.9	151.2	149.5	147.8
167.5°	149.5	151.2	151.2	152.9	152.9	154.6	154.6	154.6	152.9	151.2	151.2
170°	154.6	156.3	156.3	156.3	156.3	156.3	156.3	156.3	154.6	151.2	151.2
172.5°	158.1	159.8	159.8	158.1	158.1	158.1	158.1	156.3	152.9	151.2	151.2
175°	159.8	161.5	161.5	159.8	158.1	158.1	158.1	156.3	152.9	151.2	151.2
177.5°	161.5	163.2	161.5	161.5	158.1	158.1	158.1	158.1	154.6	152.9	151.2
180°	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7	1805.7
2.5°	1804.0	1783.4	1797.1	1798.9	1805.7	1798.9	1804.0	1798.9	1812.6	1807.4
5°	1797.1	1778.2	1790.3	1792.0	1800.6	1792.0	1800.6	1797.1	1814.3	1809.2
7.5°	1785.1	1769.6	1780.0	1781.7	1792.0	1783.4	1792.0	1788.5	1809.2	1802.3
10°	1767.9	1755.9	1766.2	1767.9	1778.2	1769.6	1776.5	1773.1	1795.4	1785.1
12.5°	1749.0	1738.7	1747.3	1749.0	1761.1	1752.5	1761.1	1757.6	1780.0	1769.6
15°	1721.5	1716.4	1725.0	1728.4	1740.4	1733.6	1742.2	1738.7	1762.8	1749.0
17.5°	1694.0	1690.6	1699.2	1702.6	1716.4	1707.8	1716.4	1712.9	1737.0	1723.3
20°	1659.7	1658.0	1666.6	1671.7	1683.7	1675.1	1685.5	1682.0	1707.8	1694.0
22.5°	1623.6	1623.6	1630.5	1635.6	1647.7	1640.8	1651.1	1649.4	1675.1	1661.4
25°	1584.1	1585.8	1592.7	1599.6	1613.3	1608.1	1616.7	1616.7	1640.8	1623.6
27.5°	1539.4	1548.0	1553.2	1561.8	1573.8	1568.6	1577.2	1578.9	1603.0	1585.8
30°	1493.0	1505.1	1510.2	1520.5	1530.8	1530.8	1539.4	1542.9	1566.9	1549.7
32.5°	1444.9	1458.7	1465.5	1479.3	1493.0	1493.0	1505.1	1510.2	1534.3	1518.8
35°	1396.8	1415.7	1424.3	1441.5	1455.2	1456.9	1469.0	1475.8	1499.9	1484.4
37.5°	1350.4	1374.5	1383.1	1403.7	1415.7	1419.2	1432.9	1441.5	1463.8	1450.1
40°	1302.3	1331.5	1341.8	1364.2	1374.5	1381.4	1395.1	1405.4	1426.0	1414.0
42.5°	1255.9	1288.6	1298.9	1322.9	1335.0	1341.8	1355.6	1369.3	1389.9	1377.9
45°	1209.5	1245.6	1257.6	1283.4	1293.7	1304.0	1319.5	1331.5	1350.4	1340.1
47.5°	1164.9	1202.7	1214.7	1242.2	1254.2	1266.2	1280.0	1297.2	1314.3	1304.0
50°	1118.5	1158.0	1173.5	1202.7	1213.0	1226.7	1243.9	1259.4	1276.5	1268.0
52.5°	1073.8	1115.0	1130.5	1161.4	1173.5	1187.2	1204.4	1221.6	1237.0	1230.2
55°	1025.7	1070.4	1087.6	1120.2	1132.2	1146.0	1164.9	1183.8	1197.5	1192.4
57.5°	981.0	1027.4	1044.6	1080.7	1091.0	1108.2	1127.1	1147.7	1159.7	1154.6
60°	936.4	982.8	1003.4	1039.5	1051.5	1068.7	1087.6	1109.9	1120.2	1116.8
62.5°	891.7	939.8	962.1	999.9	1010.2	1029.1	1051.5	1070.4	1080.7	1079.0
65°	850.5	896.8	922.6	960.4	970.7	991.3	1012.0	1032.6	1042.9	1042.9
67.5°	807.5	857.3	883.1	922.6	931.2	953.5	975.9	996.5	1005.1	1005.1
70°	768.0	816.1	845.3	884.8	893.4	914.0	938.1	960.4	967.3	969.0
72.5°	728.5	776.6	807.5	848.7	857.3	877.9	900.3	924.3	929.5	931.2
75°	690.7	738.8	769.7	810.9	819.5	840.2	864.2	886.5	893.4	895.1
77.5°	652.9	701.0	735.3	774.9	783.5	804.1	828.1	850.5	855.6	859.1
80°	618.5	664.9	697.5	740.5	749.1	769.7	792.0	814.4	817.8	823.0
82.5°	584.2	630.5	664.9	706.1	714.7	735.3	757.7	780.0	783.5	790.3
85°	551.5	597.9	632.3	671.8	682.1	701.0	725.0	745.7	749.1	754.2
87.5°	522.3	565.3	601.3	639.1	649.4	668.3	692.4	713.0	714.7	721.6
90°	491.4	534.3	570.4	608.2	618.5	635.7	659.8	680.4	683.8	689.0
92.5°	465.6	505.1	542.9	579.0	587.6	606.5	628.8	649.4	652.9	658.0
95°	438.1	477.6	515.4	549.8	558.4	577.3	597.9	618.5	622.0	627.1
97.5°	414.1	451.9	487.9	522.3	530.9	548.1	570.4	589.3	592.7	599.6
100°	391.7	427.8	465.6	496.5	505.1	522.3	542.9	561.8	565.3	572.1
102.5°	371.1	405.5	441.6	470.8	481.1	496.5	517.1	534.3	537.8	542.9
105°	352.2	384.9	419.2	446.7	457.0	472.5	491.4	508.6	512.0	517.1
107.5°	333.3	364.2	396.9	424.4	433.0	446.7	465.6	482.8	486.2	493.1
110°	316.1	347.1	378.0	403.8	414.1	424.4	443.3	458.7	462.2	467.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	300.7	328.2	359.1	383.1	391.7	403.8	419.2	434.7	438.1	445.0
115°	286.9	312.7	343.6	366.0	372.8	383.1	400.3	414.1	417.5	422.7
117.5°	274.9	297.2	324.7	347.1	355.6	364.2	379.7	391.7	396.9	400.3
120°	264.6	285.2	309.3	329.9	340.2	347.1	360.8	372.8	378.0	381.4
122.5°	254.3	273.2	295.5	314.4	323.0	328.2	343.6	353.9	359.1	364.2
125°	245.7	262.9	283.5	298.9	307.5	312.7	326.4	336.7	341.9	345.3
127.5°	237.1	252.6	273.2	285.2	293.8	297.2	309.3	319.6	324.7	326.4
130°	228.5	244.0	261.2	273.2	280.1	285.2	295.5	302.4	307.5	309.3
132.5°	221.6	235.4	250.8	262.9	269.7	271.5	281.8	288.6	293.8	295.5
135°	216.5	226.8	242.3	252.6	257.7	261.2	269.7	274.9	280.1	281.8
137.5°	209.6	219.9	233.7	240.5	247.4	249.1	257.7	262.9	268.0	269.7
140°	204.5	213.0	225.1	231.9	238.8	238.8	245.7	250.8	256.0	256.0
142.5°	199.3	207.9	218.2	225.1	230.2	230.2	237.1	240.5	245.7	245.7
145°	192.4	201.0	211.3	216.5	221.6	221.6	226.8	230.2	235.4	235.4
147.5°	185.6	194.1	204.5	207.9	213.0	213.0	218.2	221.6	225.1	225.1
150°	177.0	183.8	195.9	201.0	206.2	206.2	209.6	213.0	216.5	216.5
152.5°	170.1	175.2	185.6	192.4	197.6	197.6	201.0	204.5	207.9	207.9
155°	161.5	166.7	175.2	183.8	189.0	190.7	194.1	195.9	199.3	199.3
157.5°	154.6	159.8	166.7	173.5	178.7	182.1	187.3	189.0	190.7	190.7
160°	146.0	149.5	156.3	163.2	168.4	171.8	180.4	182.1	183.8	183.8
162.5°	142.6	142.6	146.0	151.2	156.3	158.1	166.7	173.5	177.0	175.2
165°	144.3	142.6	142.6	144.3	147.8	149.5	154.6	164.9	168.4	166.7
167.5°	147.8	144.3	142.6	142.6	146.0	146.0	151.2	159.8	170.1	166.7
170°	147.8	142.6	139.2	139.2	140.9	140.9	144.3	149.5	159.8	161.5
172.5°	146.0	142.6	137.4	130.6	132.3	130.6	128.9	132.3	134.0	151.2
175°	147.8	142.6	137.4	128.9	125.4	120.3	111.7	104.8	103.1	84.2
177.5°	146.0	140.9	134.0	127.1	123.7	116.8	106.5	94.5	87.6	77.3
180°	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2	139.2



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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	13.41	14.72	14.05	15.38	16.15	17.03	18.34	17.67	19.01	19.78
	3H	14.76	15.95	15.41	16.63	17.43	19.99	21.18	20.64	21.86	22.66
	4H	15.16	16.30	15.83	16.98	17.80	21.49	22.63	22.17	23.32	24.13
	6H	15.37	16.44	16.06	17.13	17.96	23.10	24.17	23.79	24.86	25.69
	8H	15.41	16.43	16.10	17.14	17.98	23.95	24.97	24.65	25.69	26.52
	12H	15.41	16.39	16.12	17.10	17.96	24.90	25.88	25.60	26.59	27.45
4H	2H	14.57	15.71	15.24	16.39	17.21	17.35	18.49	18.02	19.17	19.99
	3H	16.21	17.18	16.89	17.91	18.74	20.53	21.51	21.22	22.23	23.07
	4H	16.77	17.68	17.48	18.40	19.26	22.21	23.11	22.92	23.84	24.70
	6H	17.12	17.91	17.84	18.66	19.53	24.03	24.83	24.75	25.58	26.45
	8H	17.19	17.94	17.91	18.69	19.57	25.01	25.76	25.73	26.50	27.39
	12H	17.21	17.90	17.96	18.67	19.56	26.09	26.78	26.84	27.55	28.44
8H	4H	17.88	18.63	18.61	19.38	20.26	22.38	23.13	23.11	23.88	24.76
	6H	18.49	19.13	19.25	19.92	20.80	24.38	25.02	25.13	25.80	26.69
	8H	18.69	19.26	19.45	20.05	20.95	25.50	26.08	26.26	26.86	27.76
	12H	18.80	19.32	19.57	20.09	21.05	26.77	27.29	27.54	28.07	29.03
12H	4H	18.25	18.93	18.99	19.70	20.59	22.38	23.06	23.12	23.83	24.72
	6H	19.03	19.61	19.79	20.39	21.29	24.41	24.99	25.17	25.77	26.67
	8H	19.35	19.87	20.12	20.65	21.61	25.59	26.11	26.36	26.88	27.84