

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: P893780

Luminaire Tested: 4MB-6SL-RND-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893780
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: 4MB-6SL-RND-UNV-L850
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

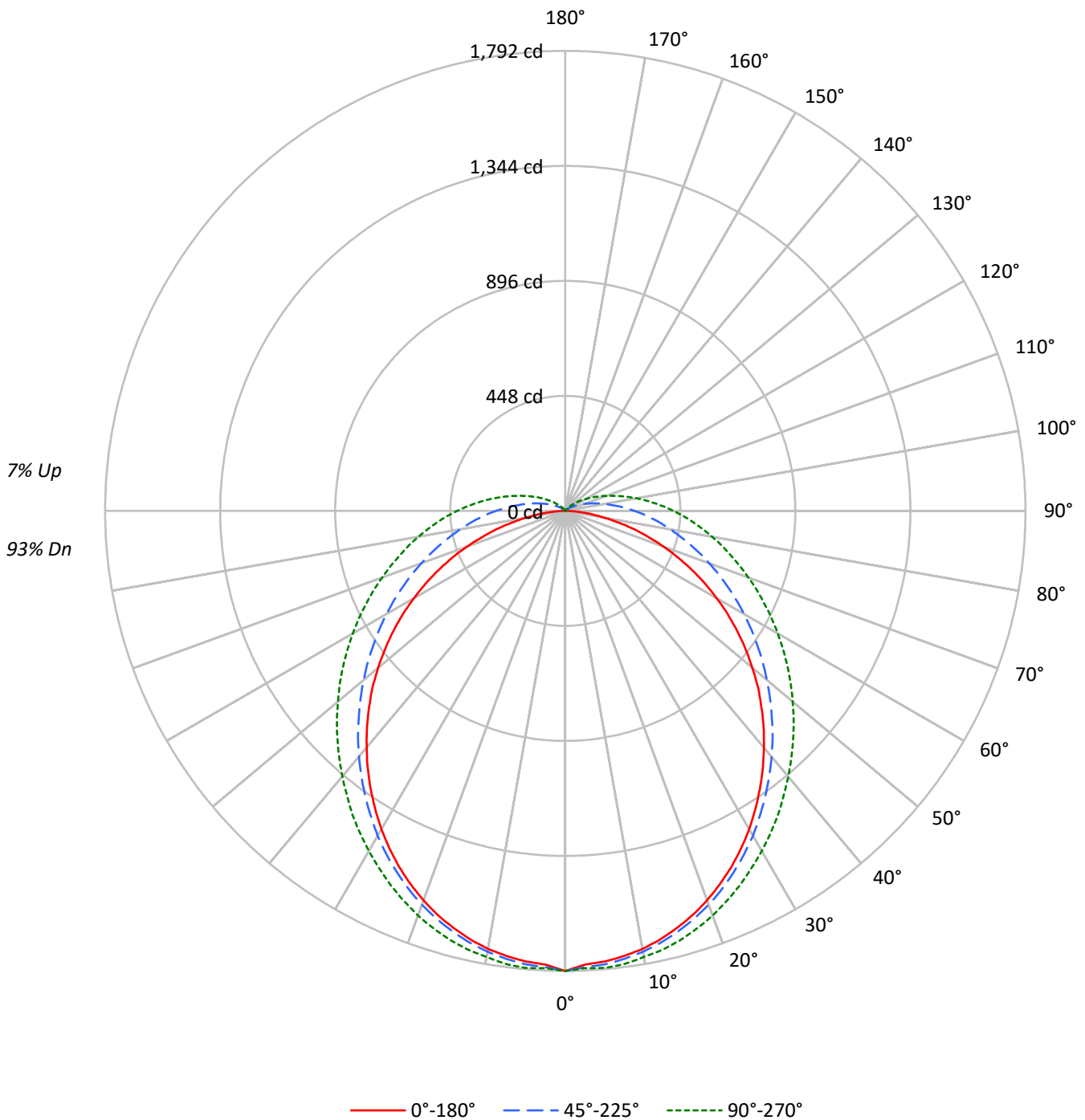
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5934.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 44.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-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°	12754	12754	12754
5°	12582	12662	12762
10°	12515	12596	12748
15°	12387	12491	12749
20°	12224	12361	12701
25°	12013	12190	12630
30°	11765	12007	12572
35°	11476	11793	12548
40°	11177	11607	12545
45°	10867	11446	12631
50°	10527	11349	12792
55°	10143	11327	13101
60°	9701	11437	13592
65°	9162	11736	14404
70°	8492	12401	15785
75°	7673	13803	18314
80°	6494	17012	23793
85°	5265	27707	40761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 75033 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.5	2.9
10°-20°	483.0	8.1
20°-30°	723.2	12.2
30°-40°	862.3	14.5
40°-50°	894.4	15.1
50°-60°	829.7	14.0
60°-70°	692.2	11.7
70°-80°	516.1	8.7
80°-90°	343.6	5.8
90°-100°	209.2	3.5
100°-110°	116.8	2.0
110°-120°	58.3	1.0
120°-130°	24.4	0.4
130°-140°	7.7	0.1
140°-150°	1.9	0.0
150°-160°	0.8	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-30°	1375.7	23.2
0°-40°	2238.1	37.7
0°-60°	3962.2	66.8
0°-90°	5514.1	92.9
90°-120°	384.4	6.5
90°-150°	418.3	7.0
90°-180°	420.0	7.1
0°-180°	5934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1762	1802	1773	1783	1787	167
15°	1682	1725	1696	1727	1731	474
25°	1530	1571	1553	1596	1609	705
35°	1321	1356	1358	1425	1445	826
45°	1080	1108	1138	1227	1255	833
55°	818	846	913	1020	1056	731
65°	544	588	697	815	856	539
75°	279	356	502	624	666	295
85°	64	177	339	456	499	72
90°	3	116	269	380	421	5
95°	0	72	208	311	348	0
105°	0	22	114	192	222	0
115°	1	6	53	108	129	1
125°	1	1	21	52	64	1
135°	1	1	6	18	24	1
145°	1	1	1	4	6	1
155°	3	3	1	1	1	1
165°	3	3	1	1	1	1
175°	3	3	3	1	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°	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5
2.5°	1768.7	1771.5	1796.7	1795.3	1791.1	1807.9	1812.1	1798.1	1775.7	1798.1	1778.5
5°	1761.6	1764.5	1789.7	1788.3	1784.1	1802.3	1803.7	1791.1	1768.7	1791.1	1772.9
7.5°	1749.0	1751.8	1777.1	1775.7	1772.9	1791.1	1789.7	1779.9	1756.0	1779.9	1760.2
10°	1732.2	1733.6	1760.2	1757.4	1756.0	1774.3	1770.1	1761.6	1737.8	1761.6	1743.4
12.5°	1709.8	1711.2	1737.8	1735.0	1735.0	1751.8	1746.2	1739.2	1715.4	1737.8	1722.4
15°	1681.7	1683.1	1708.4	1706.9	1706.9	1725.2	1716.8	1711.2	1688.7	1712.6	1695.7
17.5°	1650.8	1649.4	1676.1	1673.3	1676.1	1692.9	1681.7	1678.9	1657.9	1680.3	1666.3
20°	1614.4	1614.4	1638.2	1636.8	1641.0	1656.5	1642.4	1643.8	1622.8	1646.6	1632.6
22.5°	1573.7	1572.3	1596.1	1596.1	1600.4	1615.8	1600.4	1604.6	1583.5	1606.0	1594.7
25°	1530.2	1527.4	1551.3	1551.3	1558.3	1570.9	1554.1	1559.7	1540.0	1562.5	1552.7
27.5°	1482.5	1478.3	1502.2	1503.6	1509.2	1521.8	1503.6	1512.0	1493.8	1514.8	1507.8
30°	1432.0	1427.8	1451.7	1453.1	1460.1	1469.9	1451.7	1462.9	1446.1	1467.1	1461.5
32.5°	1377.3	1374.5	1397.0	1399.8	1406.8	1413.8	1397.0	1408.2	1394.2	1415.2	1409.6
35°	1321.2	1318.4	1339.5	1343.7	1350.7	1356.3	1338.1	1353.5	1340.9	1360.5	1357.7
37.5°	1263.7	1259.5	1282.0	1284.8	1293.2	1296.0	1279.2	1297.4	1286.2	1305.8	1304.4
40°	1203.4	1199.2	1221.7	1224.5	1232.9	1232.9	1218.8	1238.5	1230.1	1248.3	1249.7
42.5°	1143.1	1138.9	1158.5	1164.1	1171.2	1171.2	1157.1	1178.2	1172.6	1190.8	1195.0
45°	1080.0	1075.8	1094.0	1099.6	1108.0	1108.0	1094.0	1117.9	1113.7	1131.9	1137.5
47.5°	1018.3	1012.7	1029.5	1035.1	1043.5	1042.1	1030.9	1054.7	1053.3	1071.6	1081.4
50°	951.0	946.7	963.6	969.2	979.0	976.2	967.8	993.0	993.0	1011.3	1025.3
52.5°	885.0	880.8	897.7	903.3	911.7	911.7	903.3	929.9	934.1	952.4	969.2
55°	817.7	812.1	828.9	834.5	844.4	845.8	838.7	865.4	873.8	894.9	913.1
57.5°	750.4	747.6	761.6	767.2	779.8	779.8	775.6	803.7	814.9	837.3	858.4
60°	681.7	678.9	691.5	698.5	712.5	715.3	712.5	742.0	757.4	779.8	803.7
62.5°	612.9	610.1	622.7	632.6	648.0	650.8	652.2	683.1	699.9	723.7	750.4
65°	544.2	541.4	554.0	565.2	583.5	587.7	591.9	624.2	643.8	669.0	697.1
67.5°	475.5	474.1	486.7	500.7	520.4	526.0	533.0	566.6	589.1	615.7	646.6
70°	408.2	406.8	419.4	436.2	460.0	467.1	475.5	509.1	537.2	565.2	596.1
72.5°	340.8	342.2	356.3	375.9	402.5	409.6	420.8	455.8	486.7	516.2	548.4
75°	279.1	279.1	294.5	317.0	346.4	356.3	368.9	405.3	437.6	468.5	502.1
77.5°	216.0	216.0	234.2	262.3	294.5	304.4	319.8	357.7	392.7	423.6	457.2
80°	158.5	161.3	182.3	210.4	244.1	256.7	274.9	312.8	350.6	381.5	415.2
82.5°	108.0	112.2	134.6	166.9	200.6	213.2	231.4	272.1	310.0	342.2	377.3
85°	64.5	71.5	95.4	127.6	162.7	176.7	196.4	234.2	272.1	304.4	339.4
87.5°	29.5	39.3	64.5	96.8	130.4	145.9	162.7	199.2	237.0	269.3	305.8
90°	2.8	16.8	42.1	70.1	102.4	116.4	133.2	168.3	204.8	234.2	269.3
92.5°	0.0	7.0	25.2	50.5	78.5	92.6	108.0	141.7	173.9	203.4	237.0
95°	0.0	2.8	14.0	35.1	58.9	71.5	85.6	116.4	148.7	176.7	207.6
97.5°	0.0	1.4	8.4	23.8	43.5	54.7	67.3	95.4	124.8	151.5	179.5
100°	0.0	1.4	4.2	15.4	32.3	40.7	53.3	77.1	103.8	127.6	155.7
102.5°	0.0	0.0	2.8	9.8	23.8	30.9	40.7	61.7	85.6	108.0	133.2
105°	0.0	0.0	1.4	7.0	16.8	22.4	30.9	49.1	70.1	89.8	113.6
107.5°	0.0	0.0	1.4	4.2	11.2	16.8	23.8	37.9	56.1	74.3	95.4
110°	1.4	1.4	1.4	2.8	8.4	12.6	16.8	29.5	46.3	61.7	79.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.4	1.4	1.4	1.4	5.6	8.4	12.6	22.4	36.5	49.1	65.9
115°	1.4	1.4	1.4	1.4	4.2	5.6	8.4	16.8	28.1	39.3	53.3
117.5°	1.4	1.4	1.4	1.4	2.8	4.2	5.6	12.6	21.0	30.9	43.5
120°	1.4	1.4	1.4	1.4	1.4	2.8	4.2	8.4	16.8	23.8	35.1
122.5°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	7.0	12.6	18.2	26.6
125°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	8.4	14.0	21.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.6	9.8	15.4
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	7.0	11.2
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.6	8.4
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	4.2	5.6
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	4.2
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
145°	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
155°	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4
165°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4
170°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
172.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4
175°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5	1792.5
2.5°	1784.1	1788.3	1792.5	1781.3	1788.3	1800.9	1805.1	1788.3	1793.9	1782.7
5°	1778.5	1781.3	1786.9	1772.9	1782.7	1793.9	1800.9	1786.9	1795.3	1786.9
7.5°	1767.3	1770.1	1777.1	1763.1	1775.7	1785.5	1793.9	1779.9	1788.3	1779.9
10°	1750.4	1754.6	1764.5	1747.6	1763.1	1771.5	1779.9	1764.5	1772.9	1764.5
12.5°	1729.4	1736.4	1744.8	1729.4	1744.8	1751.8	1763.1	1747.6	1757.4	1750.4
15°	1704.1	1711.2	1722.4	1706.9	1726.6	1732.2	1743.4	1728.0	1737.8	1730.8
17.5°	1674.7	1683.1	1697.1	1678.9	1701.3	1705.5	1716.8	1702.7	1712.6	1705.5
20°	1641.0	1649.4	1663.5	1646.6	1669.1	1671.9	1684.5	1671.9	1681.7	1677.5
22.5°	1601.8	1611.6	1625.6	1610.2	1634.0	1634.0	1649.4	1636.8	1648.0	1643.8
25°	1561.1	1572.3	1587.7	1570.9	1596.1	1596.1	1613.0	1600.4	1611.6	1608.8
27.5°	1517.6	1530.2	1548.5	1531.6	1556.9	1555.5	1572.3	1561.1	1573.7	1569.5
30°	1471.3	1485.3	1503.6	1489.5	1516.2	1513.4	1530.2	1520.4	1531.6	1530.2
32.5°	1420.8	1436.2	1458.7	1443.3	1469.9	1467.1	1488.1	1476.9	1490.9	1488.1
35°	1370.3	1387.2	1409.6	1395.6	1425.0	1420.8	1441.9	1432.0	1446.1	1444.7
37.5°	1318.4	1336.7	1359.1	1347.9	1375.9	1371.7	1394.2	1385.8	1401.2	1397.0
40°	1265.1	1283.4	1307.2	1297.4	1326.8	1321.2	1345.1	1338.1	1353.5	1350.7
42.5°	1211.8	1231.5	1255.3	1249.7	1277.8	1272.1	1296.0	1290.4	1305.8	1303.0
45°	1157.1	1178.2	1203.4	1197.8	1227.3	1221.7	1245.5	1241.3	1256.7	1255.3
47.5°	1102.4	1124.9	1150.1	1147.3	1175.4	1169.8	1195.0	1190.8	1206.2	1206.2
50°	1046.3	1071.6	1096.8	1095.4	1123.5	1117.9	1140.3	1140.3	1157.1	1155.7
52.5°	990.2	1016.9	1043.5	1043.5	1071.6	1066.0	1091.2	1089.8	1106.6	1106.6
55°	936.9	960.8	987.4	993.0	1019.7	1011.3	1037.9	1040.7	1054.7	1056.1
57.5°	883.6	908.9	935.5	942.5	967.8	962.2	987.4	990.2	1004.3	1005.7
60°	830.3	854.2	880.8	890.6	915.9	910.3	935.5	938.3	953.8	955.2
62.5°	777.0	800.9	830.3	840.1	864.0	859.8	886.4	889.2	903.3	906.1
65°	725.1	750.4	778.4	792.5	814.9	809.3	835.9	838.7	854.2	855.6
67.5°	674.6	699.9	727.9	743.4	764.4	761.6	786.9	792.5	805.1	807.9
70°	625.6	650.8	680.3	695.7	716.7	715.3	739.2	743.4	757.4	758.8
72.5°	577.9	603.1	632.6	650.8	669.0	667.6	691.5	697.1	711.1	712.5
75°	531.6	558.2	586.3	605.9	624.2	622.7	646.6	652.2	664.8	666.2
77.5°	488.1	514.7	544.2	563.8	579.3	580.7	601.7	607.3	619.9	624.2
80°	447.4	472.7	500.7	521.8	535.8	538.6	558.2	565.2	575.1	580.7
82.5°	408.2	433.4	461.5	481.1	495.1	497.9	516.2	524.6	534.4	538.6
85°	370.3	395.5	422.2	443.2	455.8	457.2	475.5	483.9	492.3	499.3
87.5°	333.8	359.1	384.3	406.8	418.0	420.8	437.6	446.0	453.0	460.0
90°	297.3	322.6	347.8	368.9	380.1	381.5	399.7	408.2	415.2	420.8
92.5°	263.7	288.9	314.2	335.2	345.0	347.8	363.3	373.1	378.7	384.3
95°	231.4	256.7	279.1	301.6	311.4	315.6	329.6	338.0	345.0	347.8
97.5°	203.4	225.8	246.9	269.3	277.7	281.9	295.9	305.8	311.4	314.2
100°	176.7	197.8	217.4	238.4	246.9	251.1	263.7	272.1	277.7	281.9
102.5°	152.9	172.5	190.8	210.4	218.8	221.6	232.8	241.2	246.9	251.1
105°	131.8	150.1	166.9	185.1	192.2	196.4	206.2	213.2	218.8	221.6
107.5°	112.2	130.4	144.5	161.3	168.3	171.1	180.9	189.3	193.6	195.0
110°	95.4	110.8	124.8	138.9	147.3	150.1	158.5	165.5	169.7	171.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	79.9	94.0	106.6	119.2	126.2	129.0	137.5	144.5	147.3	148.7
115°	65.9	79.9	89.8	102.4	108.0	110.8	117.8	124.8	126.2	129.0
117.5°	53.3	65.9	75.7	85.6	91.2	94.0	99.6	105.2	108.0	109.4
120°	43.5	53.3	61.7	71.5	75.7	78.5	84.2	89.8	91.2	92.6
122.5°	35.1	43.5	50.5	58.9	63.1	65.9	70.1	74.3	75.7	77.1
125°	26.6	35.1	40.7	47.7	51.9	53.3	57.5	61.7	63.1	64.5
127.5°	21.0	26.6	32.3	37.9	40.7	42.1	46.3	49.1	50.5	51.9
130°	15.4	19.6	23.8	29.5	32.3	33.7	36.5	39.3	40.7	40.7
132.5°	11.2	15.4	18.2	22.4	23.8	25.2	28.1	30.9	30.9	32.3
135°	7.0	9.8	12.6	15.4	18.2	18.2	21.0	22.4	23.8	23.8
137.5°	5.6	7.0	8.4	11.2	12.6	14.0	14.0	16.8	16.8	16.8
140°	4.2	5.6	5.6	7.0	8.4	9.8	9.8	11.2	11.2	11.2
142.5°	2.8	4.2	4.2	5.6	5.6	7.0	7.0	7.0	8.4	8.4
145°	2.8	2.8	2.8	4.2	4.2	4.2	4.2	5.6	5.6	5.6
147.5°	1.4	1.4	2.8	2.8	2.8	2.8	2.8	4.2	4.2	4.2
150°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8	2.8
152.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
162.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
165°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
167.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
170°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
172.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
175°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
177.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0
180°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8



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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	19.13	20.67	19.60	21.13	21.61	20.70	22.24	21.17	22.70	23.18
	3H	20.81	22.21	21.29	22.68	23.21	23.33	24.73	23.81	25.20	25.73
	4H	21.41	22.74	21.91	23.22	23.76	24.64	25.97	25.14	26.46	27.00
	6H	21.81	23.05	22.32	23.54	24.10	26.05	27.29	26.56	27.78	28.34
	8H	21.92	23.11	22.45	23.63	24.19	26.79	27.98	27.32	28.50	29.07
	12H	22.00	23.14	22.53	23.65	24.25	27.64	28.79	28.18	29.30	29.89
4H	2H	20.06	21.39	20.56	21.87	22.42	21.26	22.59	21.76	23.07	23.61
	3H	22.04	23.18	22.56	23.70	24.27	24.17	25.31	24.69	25.84	26.40
	4H	22.82	23.86	23.35	24.39	24.99	25.70	26.74	26.23	27.28	27.87
	6H	23.40	24.32	23.95	24.88	25.49	27.34	28.26	27.89	28.82	29.43
	8H	23.58	24.44	24.14	25.01	25.63	28.22	29.09	28.78	29.65	30.27
	12H	23.70	24.49	24.29	25.08	25.71	29.22	30.01	29.81	30.60	31.23
8H	4H	23.69	24.56	24.26	25.12	25.75	26.06	26.92	26.62	27.49	28.11
	6H	24.58	25.31	25.17	25.92	26.55	27.96	28.70	28.55	29.30	29.93
	8H	24.92	25.59	25.53	26.21	26.85	29.04	29.71	29.65	30.32	30.96
	12H	25.20	25.79	25.80	26.39	27.10	30.31	30.90	30.91	31.51	32.21
12H	4H	23.97	24.76	24.55	25.35	25.98	26.10	26.89	26.68	27.48	28.11
	6H	25.02	25.69	25.63	26.31	26.95	28.07	28.73	28.67	29.35	29.99
	8H	25.54	26.14	26.15	26.74	27.45	29.26	29.86	29.87	30.46	31.17