

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: P894189

Luminaire Tested: 4MB-SC3-FLT-UNV-CC83-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-FLT-UNV-CC83-HI-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3500K CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

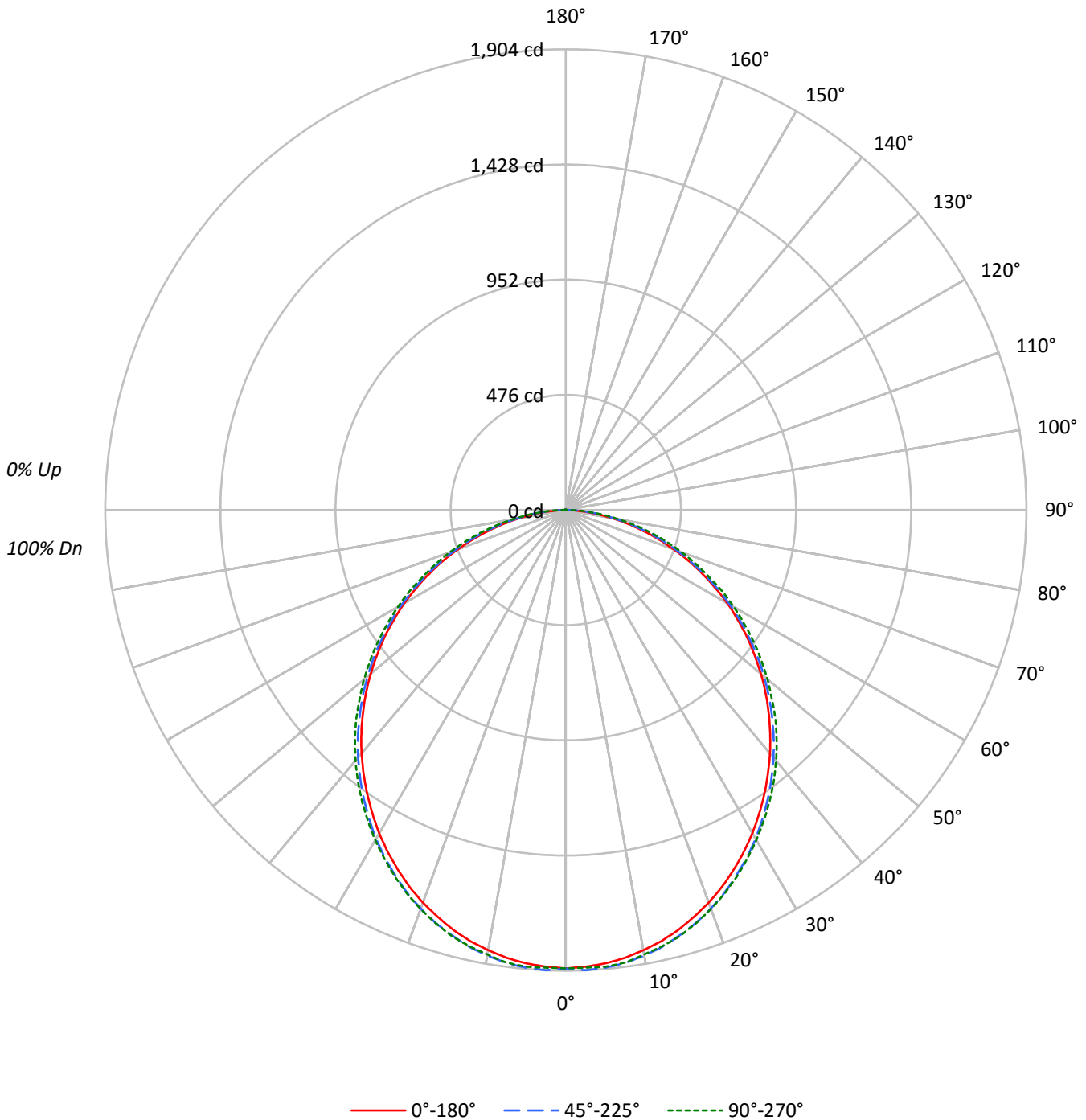
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5259.1 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-HI-3500K

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13479	13479	13479
5°	13432	13561	13531
10°	13346	13507	13477
15°	13229	13403	13424
20°	13074	13273	13284
25°	12880	13087	13120
30°	12670	12887	12944
35°	12432	12648	12757
40°	12199	12405	12559
45°	11932	12127	12336
50°	11652	11836	12051
55°	11338	11509	11750
60°	10973	11151	11407
65°	10483	10694	10973
70°	9867	10156	10618
75°	9075	9454	10064
80°	8014	8637	9092
85°	6906	7927	8490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 12336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.2	3.4
10°-20°	510.6	9.7
20°-30°	765.2	14.5
30°-40°	910.5	17.3
40°-50°	934.2	17.8
50°-60°	836.9	15.9
60°-70°	635.9	12.1
70°-80°	369.6	7.0
80°-90°	110.9	2.1
90°-100°	2.6	0.1
100°-110°	0.5	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.6	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1454.9	27.7
0°-40°	2365.4	45.0
0°-60°	4136.6	78.7
0°-90°	5253.0	99.9
90°-120°	3.1	0.1
90°-150°	4.8	0.1
90°-180°	6.0	0.1
0°-180°	5259.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1881	1912	1899	1889	1894	178
15°	1796	1831	1820	1817	1822	506
25°	1641	1678	1667	1664	1671	756
35°	1431	1466	1456	1460	1469	896
45°	1186	1215	1205	1215	1226	915
55°	914	936	928	939	947	816
65°	623	638	635	646	652	616
75°	330	343	344	356	366	350
85°	85	92	97	104	104	92
90°	1	6	6	10	8	6
95°	0	1	1	3	4	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	1
145°	1	1	1	1	1	1
155°	1	1	1	1	1	1
165°	1	1	1	1	1	1
175°	3	3	3	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P894189
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5
2.5°	1888.9	1886.2	1888.9	1887.6	1901.4	1918.1	1915.3	1902.8	1888.9	1893.1	1904.2
5°	1880.6	1879.2	1883.4	1880.6	1894.5	1912.5	1907.0	1895.9	1883.4	1887.6	1898.7
7.5°	1866.8	1866.8	1872.3	1869.5	1882.0	1900.0	1894.5	1884.8	1872.3	1876.5	1887.6
10°	1847.3	1848.7	1855.7	1851.5	1862.6	1882.0	1876.5	1866.8	1855.7	1858.4	1869.5
12.5°	1825.1	1825.1	1833.5	1829.3	1840.4	1858.4	1851.5	1844.6	1833.5	1836.2	1848.7
15°	1796.0	1797.4	1807.1	1803.0	1812.7	1830.7	1823.8	1818.2	1808.5	1809.9	1819.6
17.5°	1762.7	1766.9	1776.6	1772.4	1782.2	1800.2	1791.9	1786.3	1778.0	1779.4	1789.1
20°	1726.7	1730.8	1740.5	1737.8	1744.7	1762.7	1754.4	1751.6	1743.3	1744.7	1753.0
22.5°	1686.5	1690.6	1701.7	1698.9	1705.9	1723.9	1714.2	1712.8	1704.5	1705.9	1712.8
25°	1640.7	1646.2	1658.7	1655.9	1661.5	1678.1	1669.8	1667.0	1661.5	1661.5	1667.0
27.5°	1593.5	1599.1	1613.0	1608.8	1613.0	1631.0	1621.3	1619.9	1614.3	1614.3	1619.9
30°	1542.2	1547.8	1563.0	1558.9	1563.0	1578.3	1568.6	1570.0	1564.4	1564.4	1568.6
32.5°	1488.1	1492.3	1508.9	1506.2	1508.9	1524.2	1514.5	1515.9	1510.3	1511.7	1513.1
35°	1431.3	1435.4	1453.5	1450.7	1452.1	1465.9	1459.0	1459.0	1454.8	1453.5	1456.2
37.5°	1373.0	1377.2	1399.4	1392.4	1392.4	1406.3	1400.8	1400.8	1396.6	1395.2	1396.6
40°	1313.4	1316.2	1339.7	1332.8	1331.4	1343.9	1339.7	1339.7	1337.0	1334.2	1335.6
42.5°	1251.0	1255.1	1278.7	1273.2	1267.6	1281.5	1277.3	1278.7	1274.6	1271.8	1271.8
45°	1185.8	1190.0	1213.5	1210.8	1202.4	1214.9	1210.8	1213.5	1208.0	1205.2	1205.2
47.5°	1120.6	1126.2	1148.3	1144.2	1135.9	1148.3	1144.2	1147.0	1141.4	1138.6	1138.6
50°	1052.7	1058.2	1081.8	1074.8	1066.5	1079.0	1076.2	1077.6	1073.5	1070.7	1069.3
52.5°	983.3	990.2	1012.4	1004.1	997.2	1008.3	1006.9	1008.3	1002.7	1001.3	999.9
55°	914.0	920.9	941.7	932.0	926.4	936.2	933.4	936.2	930.6	929.2	927.8
57.5°	841.8	848.8	868.2	858.5	854.3	862.6	861.3	862.6	858.5	857.1	855.7
60°	771.1	776.7	794.7	785.0	780.8	789.1	786.4	790.5	785.0	785.0	783.6
62.5°	696.2	703.2	721.2	710.1	707.3	714.2	711.5	715.6	712.9	710.1	708.7
65°	622.7	626.9	643.5	633.8	629.6	638.0	636.6	639.4	635.2	636.6	635.2
67.5°	549.2	552.0	568.6	557.5	554.8	563.1	564.5	563.1	560.3	561.7	560.3
70°	474.3	477.1	491.0	481.3	479.9	486.8	489.6	488.2	485.4	486.8	488.2
72.5°	402.2	403.6	416.1	407.7	406.4	414.7	414.7	414.7	414.7	414.7	417.5
75°	330.1	331.5	342.6	335.6	334.2	342.6	342.6	342.6	342.6	345.3	343.9
77.5°	260.7	259.3	270.4	266.3	263.5	271.8	271.8	273.2	276.0	278.8	274.6
80°	195.6	194.2	202.5	196.9	196.9	205.3	203.9	205.3	208.0	209.4	210.8
82.5°	137.3	134.5	141.5	140.1	138.7	145.6	147.0	145.6	149.8	151.2	151.2
85°	84.6	84.6	88.8	86.0	86.0	91.5	91.5	92.9	95.7	97.1	97.1
87.5°	40.2	38.8	43.0	41.6	40.2	44.4	44.4	45.8	47.2	48.5	47.2
90°	1.4	1.4	2.8	2.8	2.8	5.5	5.5	5.5	6.9	6.9	5.5
92.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	2.8
95°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4
132.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0
135°	0.0	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	0.0	1.4
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	1.4	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	1.4
157.5°	1.4	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	1.4
162.5°	1.4	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	1.4
167.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
170°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
172.5°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
175°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	1.4	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5	1894.5
2.5°	1887.6	1877.9	1873.7	1876.5	1895.9	1876.5	1897.3	1904.2	1879.2	1893.1
5°	1882.0	1872.3	1866.8	1869.5	1888.9	1870.9	1893.1	1901.4	1880.6	1894.5
7.5°	1870.9	1859.8	1857.0	1861.2	1877.9	1862.6	1884.8	1893.1	1872.3	1886.2
10°	1854.3	1844.6	1841.8	1846.0	1861.2	1846.0	1865.4	1872.3	1852.9	1865.4
12.5°	1833.5	1823.8	1821.0	1826.5	1840.4	1826.5	1846.0	1852.9	1833.5	1846.0
15°	1807.1	1797.4	1796.0	1804.3	1816.8	1804.3	1823.8	1829.3	1809.9	1822.4
17.5°	1775.2	1765.5	1766.9	1776.6	1786.3	1775.2	1793.3	1798.8	1780.8	1790.5
20°	1740.5	1729.5	1732.2	1740.5	1748.9	1737.8	1755.8	1761.4	1744.7	1754.4
22.5°	1700.3	1689.2	1692.0	1701.7	1707.3	1697.6	1714.2	1719.7	1705.9	1715.6
25°	1655.9	1646.2	1650.4	1660.1	1664.3	1655.9	1671.2	1675.4	1662.9	1671.2
27.5°	1611.6	1600.5	1606.0	1615.7	1618.5	1610.2	1625.4	1628.2	1615.7	1624.0
30°	1561.6	1550.5	1557.5	1568.6	1568.6	1563.0	1575.5	1578.3	1568.6	1575.5
32.5°	1506.2	1497.8	1506.2	1515.9	1514.5	1510.3	1522.8	1525.6	1517.3	1522.8
35°	1450.7	1443.8	1452.1	1461.8	1460.4	1456.2	1468.7	1470.1	1463.2	1468.7
37.5°	1393.8	1388.3	1396.6	1404.9	1402.1	1399.4	1410.5	1410.5	1406.3	1411.9
40°	1335.6	1330.0	1337.0	1346.7	1341.1	1341.1	1348.1	1350.8	1346.7	1352.2
42.5°	1274.6	1269.0	1277.3	1285.6	1280.1	1278.7	1287.0	1288.4	1285.6	1289.8
45°	1210.8	1205.2	1213.5	1220.5	1214.9	1214.9	1221.9	1221.9	1220.5	1226.0
47.5°	1145.6	1141.4	1148.3	1155.3	1149.7	1153.9	1153.9	1153.9	1156.7	1155.3
50°	1079.0	1074.8	1080.4	1088.7	1081.8	1083.2	1085.9	1085.9	1087.3	1088.7
52.5°	1009.7	1004.1	1009.7	1019.4	1009.7	1013.8	1015.2	1016.6	1020.8	1018.0
55°	940.3	934.8	940.3	948.6	938.9	944.5	944.5	945.9	950.0	947.2
57.5°	868.2	862.6	871.0	876.5	866.8	872.4	872.4	875.1	877.9	873.7
60°	796.1	791.9	794.7	804.4	794.7	800.2	800.2	800.2	805.8	801.6
62.5°	722.6	719.8	722.6	730.9	721.2	726.7	725.3	726.7	732.3	730.9
65°	647.7	644.9	647.7	656.0	646.3	651.8	651.8	653.2	657.4	651.8
67.5°	574.2	570.0	574.2	581.1	572.8	576.9	576.9	576.9	583.9	581.1
70°	499.3	496.5	499.3	506.2	499.3	502.1	502.1	502.1	509.0	510.4
72.5°	425.8	425.8	428.5	434.1	428.5	434.1	429.9	427.2	436.9	438.3
75°	353.7	355.0	356.4	362.0	356.4	362.0	359.2	356.4	364.8	366.1
77.5°	287.1	287.1	288.5	292.6	288.5	292.6	289.9	289.9	295.4	294.0
80°	219.1	219.1	220.5	224.7	220.5	224.7	221.9	221.9	227.5	221.9
82.5°	159.5	159.5	159.5	163.7	160.9	163.7	162.3	159.5	166.4	160.9
85°	102.6	104.0	104.0	105.4	104.0	105.4	105.4	104.0	108.2	104.0
87.5°	52.7	52.7	52.7	54.1	52.7	52.7	54.1	52.7	55.5	54.1
90°	9.7	8.3	8.3	11.1	9.7	9.7	11.1	8.3	9.7	8.3
92.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.5	5.5
95°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	4.2
97.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
100°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
102.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
105°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	1.4	1.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	1.4



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	0.0	1.4	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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	1.4
177.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4



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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	20.54	22.18	20.91	22.50	22.81	20.68	22.32	21.05	22.63	22.95
	3H	22.37	23.85	22.75	24.18	24.54	22.51	23.99	22.89	24.32	24.69
	4H	23.03	24.42	23.43	24.77	25.15	23.22	24.62	23.62	24.97	25.34
	6H	23.48	24.78	23.89	25.14	25.53	23.78	25.07	24.19	25.44	25.83
	8H	23.62	24.86	24.05	25.25	25.65	23.97	25.21	24.40	25.60	26.00
	12H	23.72	24.90	24.15	25.29	25.72	24.11	25.30	24.55	25.68	26.11
4H	2H	21.18	22.57	21.58	22.92	23.30	21.29	22.68	21.69	23.03	23.41
	3H	23.22	24.39	23.63	24.79	25.19	23.35	24.53	23.76	24.92	25.33
	4H	24.01	25.07	24.45	25.49	25.93	24.20	25.26	24.63	25.67	26.11
	6H	24.59	25.52	25.04	25.96	26.42	24.89	25.82	25.35	26.26	26.72
	8H	24.78	25.65	25.24	26.09	26.56	25.14	26.00	25.60	26.45	26.92
	12H	24.92	25.70	25.40	26.18	26.65	25.33	26.11	25.81	26.59	27.06
8H	4H	24.34	25.21	24.80	25.65	26.12	24.51	25.38	24.97	25.82	26.29
	6H	25.04	25.77	25.54	26.26	26.73	25.33	26.06	25.83	26.55	27.02
	8H	25.31	25.96	25.82	26.47	26.95	25.66	26.31	26.17	26.82	27.31
	12H	25.52	26.10	26.03	26.59	27.15	25.95	26.52	26.45	27.01	27.58
12H	4H	24.39	25.17	24.87	25.64	26.12	24.54	25.32	25.02	25.80	26.27
	6H	25.11	25.77	25.62	26.27	26.76	25.39	26.04	25.90	26.55	27.04
	8H	25.44	26.02	25.95	26.51	27.07	25.78	26.36	26.29	26.85	27.41