

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: P895101

Luminaire Tested: 8TMB-6SL-FLT-UNV-L830

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895101
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: 8TMB-6SL-FLT-UNV-L830
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

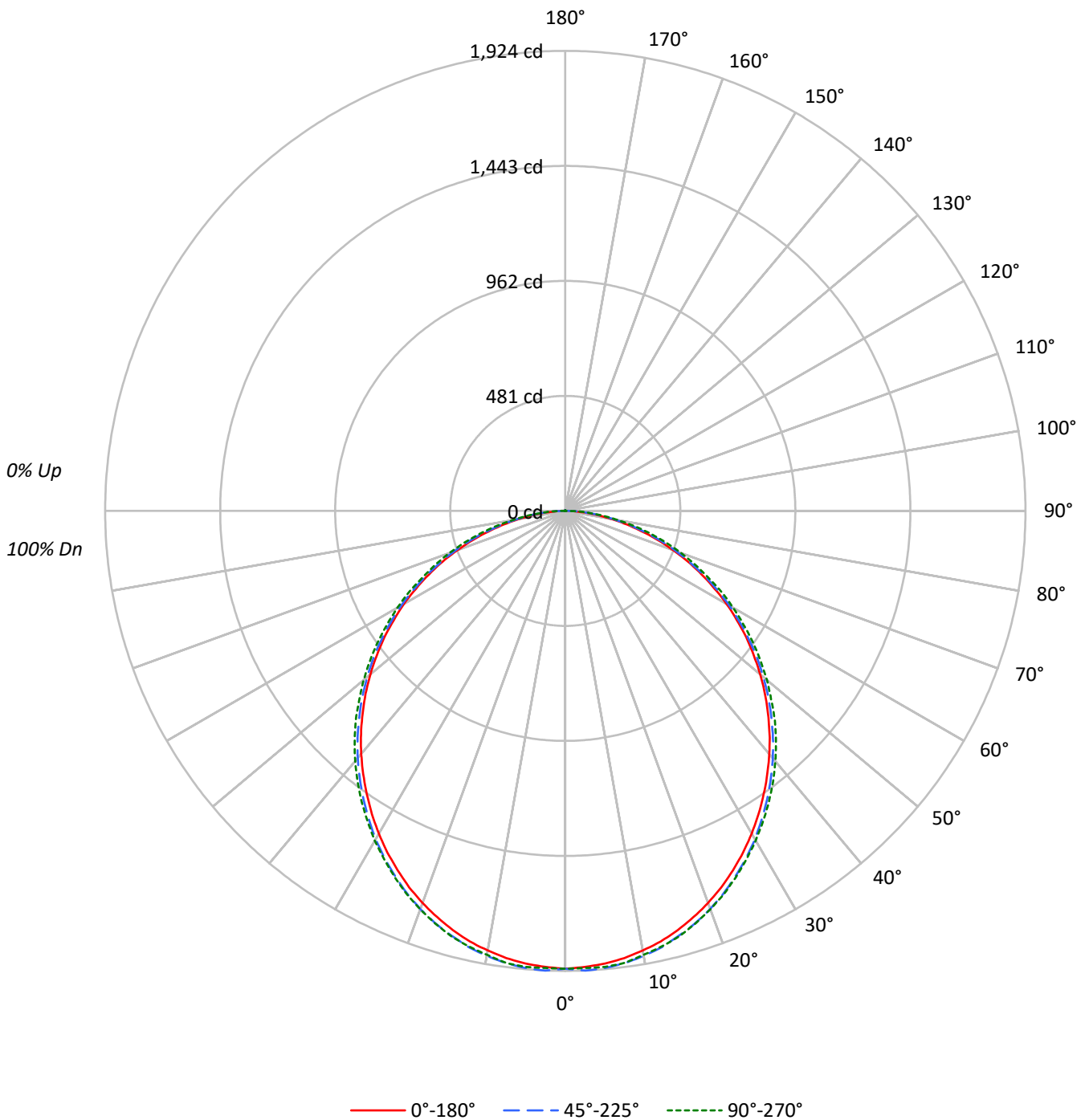
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5315.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
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 (A_{in}): 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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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°	6794	6794	6794
5°	6770	6835	6820
10°	6727	6807	6792
15°	6667	6755	6765
20°	6589	6690	6695
25°	6492	6596	6612
30°	6386	6495	6524
35°	6265	6375	6430
40°	6148	6252	6330
45°	6013	6112	6218
50°	5873	5965	6074
55°	5714	5801	5922
60°	5530	5620	5749
65°	5283	5390	5531
70°	4973	5119	5351
75°	4573	4765	5072
80°	4038	4354	4583
85°	3481	3994	4279

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6218 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.1	3.4
10°-20°	516.1	9.7
20°-30°	773.3	14.5
30°-40°	920.2	17.3
40°-50°	944.2	17.8
50°-60°	845.8	15.9
60°-70°	642.7	12.1
70°-80°	373.5	7.0
80°-90°	112.1	2.1
90°-100°	2.7	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°	1470.4	27.7
0°-40°	2390.6	45.0
0°-60°	4180.6	78.7
0°-90°	5309.0	99.9
90°-120°	3.2	0.1
90°-150°	4.8	0.1
90°-180°	6.0	0.1
0°-180°	5315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1915	1915	1915	1915	1915	
5°	1901	1933	1919	1909	1915	180
15°	1815	1850	1839	1836	1842	512
25°	1658	1696	1685	1682	1689	764
35°	1446	1482	1472	1476	1484	905
45°	1198	1228	1218	1228	1239	925
55°	924	946	938	949	957	825
65°	629	645	642	653	659	623
75°	334	346	348	360	370	354
85°	86	92	98	105	105	93
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: P895101

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7
2.5°	1909.1	1906.3	1909.1	1907.7	1921.7	1938.5	1935.7	1923.1	1909.1	1913.3	1924.5
5°	1900.7	1899.2	1903.5	1900.7	1914.7	1932.9	1927.3	1916.1	1903.5	1907.7	1918.9
7.5°	1886.6	1886.6	1892.2	1889.4	1902.1	1920.3	1914.7	1904.9	1892.2	1896.4	1907.7
10°	1867.0	1868.4	1875.4	1871.2	1882.4	1902.1	1896.4	1886.6	1875.4	1878.2	1889.4
12.5°	1844.6	1844.6	1853.0	1848.8	1860.0	1878.2	1871.2	1864.2	1853.0	1855.8	1868.4
15°	1815.1	1816.6	1826.4	1822.2	1832.0	1850.2	1843.2	1837.6	1827.8	1829.2	1839.0
17.5°	1781.5	1785.7	1795.5	1791.3	1801.1	1819.4	1810.9	1805.3	1796.9	1798.3	1808.1
20°	1745.1	1749.3	1759.1	1756.3	1763.3	1781.5	1773.1	1770.3	1761.9	1763.3	1771.7
22.5°	1704.4	1708.6	1719.8	1717.0	1724.0	1742.3	1732.5	1731.0	1722.6	1724.0	1731.0
25°	1658.2	1663.8	1676.4	1673.6	1679.2	1696.0	1687.6	1684.8	1679.2	1679.2	1684.8
27.5°	1610.5	1616.1	1630.1	1625.9	1630.1	1648.4	1638.5	1637.1	1631.5	1631.5	1637.1
30°	1558.6	1564.3	1579.7	1575.5	1579.7	1595.1	1585.3	1586.7	1581.1	1581.1	1585.3
32.5°	1504.0	1508.2	1525.0	1522.2	1525.0	1540.4	1530.6	1532.0	1526.4	1527.8	1529.2
35°	1446.5	1450.7	1468.9	1466.1	1467.5	1481.6	1474.5	1474.5	1470.3	1468.9	1471.7
37.5°	1387.6	1391.8	1414.3	1407.3	1407.3	1421.3	1415.7	1415.7	1411.5	1410.1	1411.5
40°	1327.4	1330.2	1354.0	1347.0	1345.6	1358.2	1354.0	1354.0	1351.2	1348.4	1349.8
42.5°	1264.3	1268.5	1292.3	1286.7	1281.1	1295.1	1290.9	1292.3	1288.1	1285.3	1285.3
45°	1198.4	1202.6	1226.5	1223.6	1215.2	1227.9	1223.6	1226.5	1220.8	1218.0	1218.0
47.5°	1132.5	1138.1	1160.6	1156.4	1148.0	1160.6	1156.4	1159.2	1153.6	1150.8	1150.8
50°	1063.9	1069.5	1093.3	1086.3	1077.9	1090.5	1087.7	1089.1	1084.9	1082.1	1080.7
52.5°	993.8	1000.8	1023.2	1014.8	1007.8	1019.0	1017.6	1019.0	1013.4	1012.0	1010.6
55°	923.7	930.7	951.7	941.9	936.3	946.1	943.3	946.1	940.5	939.1	937.7
57.5°	850.8	857.8	877.4	867.6	863.4	871.8	870.4	871.8	867.6	866.2	864.8
60°	779.3	784.9	803.2	793.3	789.1	797.5	794.7	798.9	793.3	793.3	791.9
62.5°	703.6	710.6	728.9	717.6	714.8	721.9	719.1	723.3	720.5	717.6	716.2
65°	629.3	633.6	650.4	640.6	636.4	644.8	643.4	646.2	642.0	643.4	642.0
67.5°	555.1	557.9	574.7	563.5	560.7	569.1	570.5	569.1	566.3	567.7	566.3
70°	479.4	482.2	496.2	486.4	485.0	492.0	494.8	493.4	490.6	492.0	493.4
72.5°	406.5	407.9	420.5	412.1	410.7	419.1	419.1	419.1	419.1	419.1	421.9
75°	333.6	335.0	346.2	339.2	337.8	346.2	346.2	346.2	346.2	349.0	347.6
77.5°	263.5	262.1	273.3	269.1	266.3	274.7	274.7	276.1	278.9	281.7	277.5
80°	197.6	196.2	204.6	199.0	199.0	207.4	206.0	207.4	210.2	211.7	213.1
82.5°	138.8	136.0	143.0	141.6	140.2	147.2	148.6	147.2	151.4	152.8	152.8
85°	85.5	85.5	89.7	86.9	86.9	92.5	92.5	93.9	96.7	98.1	98.1
87.5°	40.6	39.2	43.5	42.0	40.6	44.9	44.9	46.3	47.7	49.1	47.7
90°	1.4	1.4	2.8	2.8	2.8	5.6	5.6	5.6	7.0	7.0	5.6
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°	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7	1914.7
2.5°	1907.7	1897.8	1893.6	1896.4	1916.1	1896.4	1917.5	1924.5	1899.2	1913.3
5°	1902.1	1892.2	1886.6	1889.4	1909.1	1890.8	1913.3	1921.7	1900.7	1914.7
7.5°	1890.8	1879.6	1876.8	1881.0	1897.8	1882.4	1904.9	1913.3	1892.2	1906.3
10°	1874.0	1864.2	1861.4	1865.6	1881.0	1865.6	1885.2	1892.2	1872.6	1885.2
12.5°	1853.0	1843.2	1840.4	1846.0	1860.0	1846.0	1865.6	1872.6	1853.0	1865.6
15°	1826.4	1816.6	1815.1	1823.6	1836.2	1823.6	1843.2	1848.8	1829.2	1841.8
17.5°	1794.1	1784.3	1785.7	1795.5	1805.3	1794.1	1812.3	1818.0	1799.7	1809.5
20°	1759.1	1747.9	1750.7	1759.1	1767.5	1756.3	1774.5	1780.1	1763.3	1773.1
22.5°	1718.4	1707.2	1710.0	1719.8	1725.4	1715.6	1732.5	1738.1	1724.0	1733.9
25°	1673.6	1663.8	1668.0	1677.8	1682.0	1673.6	1689.0	1693.2	1680.6	1689.0
27.5°	1628.7	1617.5	1623.1	1632.9	1635.7	1627.3	1642.7	1645.5	1632.9	1641.3
30°	1578.3	1567.1	1574.1	1585.3	1585.3	1579.7	1592.3	1595.1	1585.3	1592.3
32.5°	1522.2	1513.8	1522.2	1532.0	1530.6	1526.4	1539.0	1541.8	1533.4	1539.0
35°	1466.1	1459.1	1467.5	1477.3	1475.9	1471.7	1484.4	1485.8	1478.8	1484.4
37.5°	1408.7	1403.1	1411.5	1419.9	1417.1	1414.3	1425.5	1425.5	1421.3	1426.9
40°	1349.8	1344.2	1351.2	1361.0	1355.4	1355.4	1362.4	1365.2	1361.0	1366.6
42.5°	1288.1	1282.5	1290.9	1299.3	1293.7	1292.3	1300.7	1302.1	1299.3	1303.5
45°	1223.6	1218.0	1226.5	1233.5	1227.9	1227.9	1234.9	1234.9	1233.5	1239.1
47.5°	1157.8	1153.6	1160.6	1167.6	1162.0	1166.2	1166.2	1166.2	1169.0	1167.6
50°	1090.5	1086.3	1091.9	1100.3	1093.3	1094.7	1097.5	1097.5	1098.9	1100.3
52.5°	1020.4	1014.8	1020.4	1030.2	1020.4	1024.6	1026.0	1027.4	1031.6	1028.8
55°	950.3	944.7	950.3	958.7	948.9	954.5	954.5	955.9	960.1	957.3
57.5°	877.4	871.8	880.2	885.8	876.0	881.6	881.6	884.4	887.3	883.0
60°	804.6	800.3	803.2	813.0	803.2	808.8	808.8	808.8	814.4	810.2
62.5°	730.3	727.5	730.3	738.7	728.9	734.5	733.1	734.5	740.1	738.7
65°	654.6	651.8	654.6	663.0	653.2	658.8	658.8	660.2	664.4	658.8
67.5°	580.3	576.1	580.3	587.3	578.9	583.1	583.1	583.1	590.1	587.3
70°	504.6	501.8	504.6	511.6	504.6	507.4	507.4	507.4	514.4	515.8
72.5°	430.3	430.3	433.1	438.7	433.1	438.7	434.5	431.7	441.5	442.9
75°	357.4	358.8	360.2	365.8	360.2	365.8	363.0	360.2	368.6	370.0
77.5°	290.1	290.1	291.5	295.8	291.5	295.8	292.9	292.9	298.6	297.2
80°	221.5	221.5	222.9	227.1	222.9	227.1	224.3	224.3	229.9	224.3
82.5°	161.2	161.2	161.2	165.4	162.6	165.4	164.0	161.2	168.2	162.6
85°	103.7	105.1	105.1	106.5	105.1	106.5	106.5	105.1	109.3	105.1
87.5°	53.3	53.3	53.3	54.7	53.3	53.3	54.7	53.3	56.1	54.7
90°	9.8	8.4	8.4	11.2	9.8	9.8	11.2	8.4	9.8	8.4
92.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.6	5.6
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	18.16	19.80	18.53	20.12	20.43	18.30	19.94	18.67	20.25	20.57
	3H	19.99	21.47	20.37	21.80	22.16	20.13	21.61	20.51	21.94	22.30
	4H	20.65	22.04	21.05	22.39	22.77	20.84	22.23	21.24	22.58	22.96
	6H	21.10	22.39	21.51	22.76	23.15	21.40	22.69	21.81	23.06	23.45
	8H	21.24	22.48	21.67	22.87	23.27	21.59	22.83	22.02	23.22	23.62
	12H	21.34	22.52	21.77	22.90	23.34	21.73	22.92	22.16	23.30	23.73
4H	2H	18.80	20.19	19.20	20.54	20.92	18.91	20.30	19.31	20.65	21.03
	3H	20.84	22.01	21.25	22.41	22.81	20.97	22.14	21.38	22.54	22.95
	4H	21.63	22.69	22.06	23.11	23.55	21.82	22.88	22.25	23.29	23.73
	6H	22.21	23.14	22.66	23.58	24.04	22.51	23.44	22.96	23.88	24.34
	8H	22.40	23.27	22.86	23.71	24.18	22.75	23.62	23.22	24.07	24.54
	12H	22.54	23.32	23.02	23.80	24.27	22.95	23.73	23.43	24.21	24.68
8H	4H	21.96	22.83	22.42	23.27	23.74	22.13	23.00	22.59	23.44	23.91
	6H	22.66	23.39	23.16	23.88	24.35	22.95	23.68	23.45	24.17	24.64
	8H	22.93	23.58	23.44	24.08	24.57	23.28	23.93	23.79	24.44	24.93
	12H	23.14	23.72	23.65	24.21	24.77	23.57	24.14	24.07	24.63	25.20
12H	4H	22.00	22.79	22.49	23.26	23.74	22.16	22.94	22.64	23.42	23.89
	6H	22.73	23.39	23.24	23.89	24.38	23.01	23.66	23.52	24.17	24.66
	8H	23.06	23.64	23.57	24.13	24.69	23.40	23.98	23.91	24.47	25.03