

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: P894444

Luminaire Tested: 8TMB-10SL-RNDU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894444
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-10SL-RNDU-UNV-L950
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, CCT
Light Source: -
Ballast/Driver: -

Summary

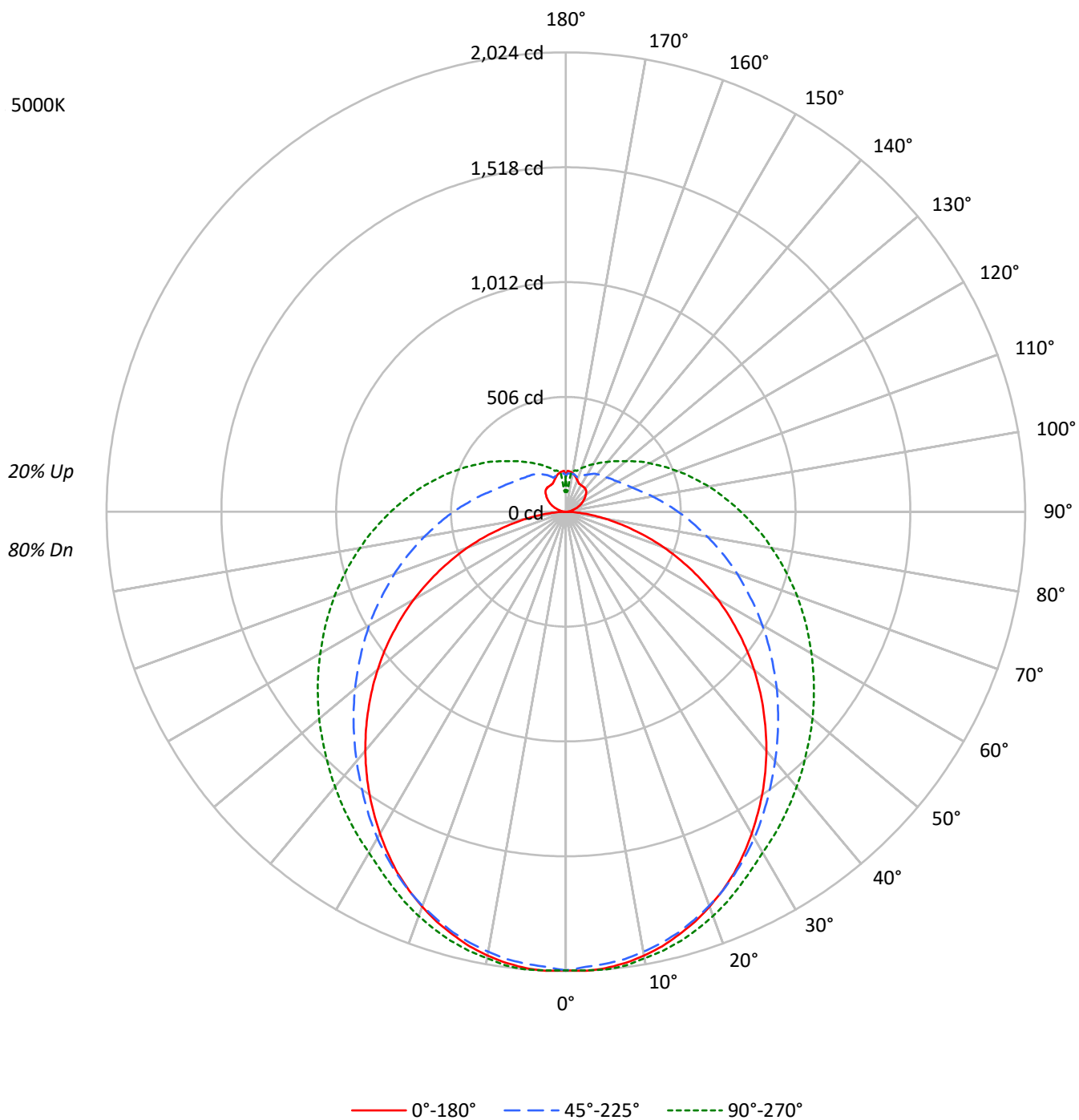
Lumens per Lamp: N/A
Luminaire Lumens: 8499.0 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 70
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 5.63
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
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°	7170	7170	7170
5°	7174	6877	6881
10°	7123	6619	6563
15°	7034	6357	6269
20°	6925	6078	5968
25°	6789	5797	5665
30°	6612	5513	5398
35°	6428	5220	5200
40°	6231	4955	5021
45°	6017	4721	4861
50°	5794	4513	4738
55°	5538	4322	4630
60°	5247	4166	4550
65°	4891	4030	4505
70°	4448	3951	4490
75°	3842	3899	4510
80°	3115	3914	4581
85°	2170	4039	4731

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6017 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.2	2.2
10°-20°	545.1	6.4
20°-30°	818.4	9.6
30°-40°	984.2	11.6
40°-50°	1042.7	12.3
50°-60°	1004.2	11.8
60°-70°	888.7	10.5
70°-80°	729.0	8.6
80°-90°	565.6	6.7
90°-100°	439.0	5.2
100°-110°	347.9	4.1
110°-120°	277.1	3.3
120°-130°	220.1	2.6
130°-140°	171.9	2.0
140°-150°	126.5	1.5
150°-160°	83.7	1.0
160°-170°	48.1	0.6
170°-180°	15.5	0.2
0°-30°	1554.8	18.3
0°-40°	2538.9	29.9
0°-60°	4585.9	54.0
0°-90°	6769.2	79.6
90°-120°	1064.0	12.5
90°-150°	1582.5	18.6
90°-180°	1730.0	20.4
0°-180°	8499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2021	2021	2021	2021	2021	
5°	2019	2021	2000	2015	2024	192
15°	1928	1930	1919	1948	1957	544
25°	1755	1761	1761	1805	1817	807
35°	1511	1530	1548	1628	1661	945
45°	1230	1259	1323	1448	1500	949
55°	929	975	1104	1267	1334	831
65°	615	700	898	1086	1167	609
75°	308	461	715	917	1002	329
85°	69	279	560	763	844	79
90°	2	219	494	692	771	5
95°	10	181	436	625	702	10
105°	35	146	344	511	579	37
115°	69	140	286	417	473	68
125°	100	146	250	344	386	89
135°	127	156	225	288	315	97
145°	135	154	204	248	263	84
155°	136	160	175	212	223	64
165°	162	171	165	165	186	45
175°	179	177	169	140	94	17
180°	156	156	156	156	156	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7
2.5°	2024.5	2022.6	2026.4	2030.3	2041.8	2026.4	2034.1	2013.0	2014.9	2016.8	2007.2
5°	2018.7	2013.0	2018.7	2022.6	2032.2	2020.7	2028.3	2005.3	2007.2	2011.0	1999.5
7.5°	2005.3	1999.5	2003.3	2007.2	2016.8	2005.3	2014.9	1991.8	1995.7	1997.6	1988.0
10°	1986.0	1978.4	1982.2	1988.0	1995.7	1986.0	1993.7	1972.6	1974.5	1978.4	1968.7
12.5°	1961.1	1953.4	1957.2	1961.1	1970.7	1961.1	1968.7	1947.6	1951.4	1955.3	1945.7
15°	1928.4	1920.7	1924.5	1928.4	1936.1	1930.3	1938.0	1916.8	1920.7	1928.4	1918.8
17.5°	1893.8	1882.2	1886.1	1891.8	1899.5	1895.7	1901.4	1884.1	1886.1	1893.8	1884.1
20°	1851.5	1839.9	1843.8	1849.5	1857.2	1855.3	1859.2	1843.8	1847.6	1857.2	1847.6
22.5°	1805.3	1793.8	1797.6	1805.3	1811.1	1811.1	1813.0	1801.5	1805.3	1814.9	1807.2
25°	1755.3	1743.8	1747.6	1755.3	1761.1	1761.1	1764.9	1753.4	1759.2	1768.8	1761.1
27.5°	1697.7	1691.9	1691.9	1699.6	1703.4	1707.3	1709.2	1699.6	1707.3	1716.9	1711.1
30°	1638.1	1630.4	1634.2	1643.8	1643.8	1651.5	1651.5	1643.8	1653.4	1665.0	1661.1
32.5°	1574.6	1568.8	1570.8	1582.3	1582.3	1591.9	1590.0	1586.1	1595.8	1609.2	1605.4
35°	1511.2	1505.4	1507.3	1518.9	1518.9	1530.4	1526.5	1526.5	1536.2	1551.5	1547.7
37.5°	1443.9	1440.0	1441.9	1453.5	1453.5	1465.0	1461.2	1463.1	1474.6	1491.9	1490.0
40°	1374.7	1370.8	1374.7	1384.3	1388.1	1397.7	1393.9	1397.7	1413.1	1428.5	1434.3
42.5°	1303.5	1301.6	1305.4	1315.1	1318.9	1328.5	1326.6	1332.4	1347.7	1370.8	1378.5
45°	1230.5	1230.5	1234.3	1243.9	1247.8	1259.3	1257.4	1265.1	1284.3	1309.3	1322.7
47.5°	1157.4	1159.3	1161.2	1172.8	1172.8	1192.0	1186.2	1197.8	1222.8	1251.6	1267.0
50°	1082.4	1086.3	1088.2	1097.8	1101.6	1119.0	1115.1	1134.3	1161.2	1192.0	1213.2
52.5°	1007.4	1011.3	1015.1	1022.8	1026.7	1047.8	1044.0	1069.0	1101.6	1134.3	1157.4
55°	928.6	936.3	938.2	947.8	953.6	974.8	974.8	1003.6	1038.2	1074.7	1103.6
57.5°	851.7	859.4	861.3	872.9	880.5	905.5	909.4	942.1	980.5	1017.1	1051.7
60°	772.9	782.5	784.4	796.0	809.4	836.3	842.1	878.6	920.9	959.4	999.8
62.5°	694.1	703.7	707.5	719.1	740.2	767.1	776.7	819.0	863.2	905.5	949.8
65°	615.2	624.8	630.6	646.0	671.0	699.8	713.3	757.5	807.5	851.7	897.9
67.5°	536.4	547.9	555.6	574.9	607.5	638.3	651.8	701.7	753.7	801.7	849.8
70°	459.5	471.0	480.6	505.6	544.1	574.9	592.2	646.0	699.8	751.7	805.6
72.5°	384.5	396.1	409.5	440.3	482.6	517.2	536.4	592.2	651.8	703.7	759.4
75°	307.6	321.1	336.5	378.8	426.8	461.4	482.6	542.2	603.7	655.6	715.2
77.5°	238.4	251.9	274.9	317.2	371.1	409.5	432.6	496.0	559.5	611.4	672.9
80°	175.0	188.4	219.2	265.3	321.1	357.6	386.4	451.8	517.2	571.0	632.5
82.5°	119.2	132.7	169.2	219.2	278.8	315.3	342.2	411.4	476.8	532.6	594.1
85°	69.2	88.4	126.9	180.7	242.2	278.8	305.7	376.8	440.3	496.0	559.5
87.5°	30.8	53.8	96.1	150.0	211.5	246.1	274.9	340.3	407.6	463.3	526.8
90°	1.9	30.8	75.0	126.9	186.5	219.2	246.1	311.5	374.9	432.6	494.1
92.5°	3.8	21.1	61.5	109.6	165.3	198.0	224.9	286.5	346.1	405.7	465.3
95°	9.6	21.1	53.8	98.1	150.0	180.7	205.7	265.3	321.1	378.8	436.4
97.5°	15.4	23.1	51.9	92.3	138.4	167.3	190.3	246.1	301.8	353.8	411.4
100°	21.1	28.8	51.9	88.4	130.7	157.7	178.8	230.7	282.6	330.7	388.4
102.5°	26.9	34.6	55.8	88.4	126.9	150.0	171.1	219.2	267.2	311.5	365.3
105°	34.6	40.4	59.6	88.4	123.0	146.1	163.4	207.6	253.8	296.1	344.1
107.5°	42.3	46.1	63.4	90.4	123.0	142.3	159.6	200.0	242.2	280.7	326.8
110°	51.9	53.8	69.2	94.2	123.0	140.3	155.7	194.2	232.6	269.2	311.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	59.6	59.6	75.0	98.1	123.0	140.3	153.8	188.4	224.9	257.6	298.0
115°	69.2	69.2	80.7	101.9	125.0	140.3	153.8	186.5	219.2	248.0	286.5
117.5°	76.9	76.9	88.4	105.7	128.8	142.3	153.8	182.6	213.4	240.3	274.9
120°	84.6	84.6	92.3	109.6	130.7	144.2	153.8	180.7	207.6	234.6	265.3
122.5°	92.3	92.3	98.1	115.4	132.7	144.2	153.8	178.8	203.8	226.9	255.7
125°	100.0	100.0	103.8	119.2	136.5	146.1	155.7	178.8	201.9	221.1	249.9
127.5°	107.7	105.7	111.5	125.0	138.4	148.0	157.7	178.8	198.0	217.3	242.2
130°	113.4	111.5	119.2	128.8	142.3	150.0	157.7	176.9	196.1	213.4	234.6
132.5°	121.1	117.3	126.9	130.7	146.1	153.8	159.6	176.9	194.2	209.6	230.7
135°	126.9	123.0	132.7	136.5	148.0	155.7	161.5	176.9	192.3	207.6	224.9
137.5°	130.7	128.8	138.4	142.3	150.0	157.7	163.4	176.9	190.3	203.8	221.1
140°	132.7	130.7	138.4	146.1	150.0	157.7	161.5	175.0	188.4	200.0	215.3
142.5°	134.6	134.6	140.3	148.0	150.0	155.7	161.5	173.0	184.6	194.2	211.5
145°	134.6	134.6	140.3	150.0	151.9	153.8	157.7	169.2	178.8	188.4	203.8
147.5°	134.6	134.6	142.3	150.0	153.8	155.7	153.8	165.3	175.0	182.6	196.1
150°	134.6	134.6	142.3	150.0	155.7	157.7	155.7	161.5	169.2	176.9	188.4
152.5°	136.5	136.5	142.3	150.0	155.7	157.7	157.7	157.7	163.4	171.1	182.6
155°	136.5	138.4	142.3	153.8	157.7	159.6	159.6	159.6	157.7	165.3	175.0
157.5°	142.3	144.2	146.1	155.7	159.6	161.5	161.5	161.5	159.6	157.7	167.3
160°	148.0	150.0	151.9	159.6	163.4	165.3	165.3	165.3	161.5	159.6	159.6
162.5°	153.8	157.7	157.7	161.5	165.3	167.3	167.3	169.2	165.3	163.4	161.5
165°	161.5	163.4	163.4	165.3	169.2	171.1	169.2	171.1	169.2	167.3	165.3
167.5°	167.3	169.2	169.2	171.1	171.1	173.0	173.0	173.0	171.1	169.2	169.2
170°	173.0	175.0	175.0	175.0	175.0	175.0	175.0	175.0	173.0	169.2	169.2
172.5°	176.9	178.8	178.8	176.9	176.9	176.9	176.9	175.0	171.1	169.2	169.2
175°	178.8	180.7	180.7	178.8	176.9	176.9	176.9	175.0	171.1	169.2	169.2
177.5°	180.7	182.6	180.7	180.7	176.9	176.9	176.9	176.9	173.0	171.1	169.2
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7	2020.7
2.5°	2018.7	1995.7	2011.0	2013.0	2020.7	2013.0	2018.7	2013.0	2028.3	2022.6
5°	2011.0	1989.9	2003.3	2005.3	2014.9	2005.3	2014.9	2011.0	2030.3	2024.5
7.5°	1997.6	1980.3	1991.8	1993.7	2005.3	1995.7	2005.3	2001.4	2024.5	2016.8
10°	1978.4	1964.9	1976.4	1978.4	1989.9	1980.3	1988.0	1984.1	2009.1	1997.6
12.5°	1957.2	1945.7	1955.3	1957.2	1970.7	1961.1	1970.7	1966.8	1991.8	1980.3
15°	1926.4	1920.7	1930.3	1934.1	1947.6	1939.9	1949.5	1945.7	1972.6	1957.2
17.5°	1895.7	1891.8	1901.4	1905.3	1920.7	1911.1	1920.7	1916.8	1943.7	1928.4
20°	1857.2	1855.3	1864.9	1870.7	1884.1	1874.5	1886.1	1882.2	1911.1	1895.7
22.5°	1816.9	1816.9	1824.5	1830.3	1843.8	1836.1	1847.6	1845.7	1874.5	1859.2
25°	1772.6	1774.6	1782.2	1789.9	1805.3	1799.6	1809.2	1809.2	1836.1	1816.9
27.5°	1722.6	1732.3	1738.0	1747.6	1761.1	1755.3	1764.9	1766.9	1793.8	1774.6
30°	1670.7	1684.2	1690.0	1701.5	1713.0	1713.0	1722.6	1726.5	1753.4	1734.2
32.5°	1616.9	1632.3	1640.0	1655.4	1670.7	1670.7	1684.2	1690.0	1716.9	1699.6
35°	1563.1	1584.2	1593.8	1613.1	1628.4	1630.4	1643.8	1651.5	1678.4	1661.1
37.5°	1511.2	1538.1	1547.7	1570.8	1584.2	1588.1	1603.4	1613.1	1638.1	1622.7
40°	1457.3	1490.0	1501.5	1526.5	1538.1	1545.8	1561.1	1572.7	1595.8	1582.3
42.5°	1405.4	1441.9	1453.5	1480.4	1493.9	1501.5	1516.9	1532.3	1555.4	1541.9
45°	1353.5	1393.9	1407.3	1436.2	1447.7	1459.3	1476.6	1490.0	1511.2	1499.6
47.5°	1303.5	1345.8	1359.3	1390.0	1403.5	1417.0	1432.3	1451.6	1470.8	1459.3
50°	1251.6	1295.8	1313.1	1345.8	1357.4	1372.7	1392.0	1409.3	1428.5	1418.9
52.5°	1201.6	1247.8	1265.1	1299.7	1313.1	1328.5	1347.7	1367.0	1384.3	1376.6
55°	1147.8	1197.8	1217.0	1253.5	1267.0	1282.4	1303.5	1324.7	1340.1	1334.3
57.5°	1097.8	1149.7	1168.9	1209.3	1220.8	1240.1	1261.2	1284.3	1297.8	1292.0
60°	1047.8	1099.7	1122.8	1163.2	1176.6	1195.9	1217.0	1242.0	1253.5	1249.7
62.5°	997.8	1051.7	1076.7	1119.0	1130.5	1151.6	1176.6	1197.8	1209.3	1207.4
65°	951.7	1003.6	1032.4	1074.7	1086.3	1109.3	1132.4	1155.5	1167.0	1167.0
67.5°	903.6	959.4	988.2	1032.4	1042.0	1067.0	1092.0	1115.1	1124.7	1124.7
70°	859.4	913.2	945.9	990.1	999.8	1022.8	1049.7	1074.7	1082.4	1084.3
72.5°	815.2	869.0	903.6	949.8	959.4	982.4	1007.4	1034.4	1040.1	1042.0
75°	772.9	826.7	861.3	907.5	917.1	940.2	967.1	992.1	999.8	1001.7
77.5°	730.6	784.4	822.9	867.1	876.7	899.8	926.7	951.7	957.5	961.3
80°	692.1	744.0	780.6	828.6	838.3	861.3	886.3	911.3	915.2	920.9
82.5°	653.7	705.6	744.0	790.2	799.8	822.9	847.9	872.9	876.7	884.4
85°	617.2	669.1	707.5	751.7	763.3	784.4	811.3	834.4	838.3	844.0
87.5°	584.5	632.5	672.9	715.2	726.7	747.9	774.8	797.9	799.8	807.5
90°	549.9	597.9	638.3	680.6	692.1	711.4	738.3	761.3	765.2	771.0
92.5°	521.0	565.2	607.5	647.9	657.5	678.7	703.7	726.7	730.6	736.4
95°	490.3	534.5	576.8	615.2	624.8	646.0	669.1	692.1	696.0	701.7
97.5°	463.3	505.6	546.0	584.5	594.1	613.3	638.3	659.5	663.3	671.0
100°	438.4	478.7	521.0	555.6	565.2	584.5	607.5	628.7	632.5	640.2
102.5°	415.3	453.7	494.1	526.8	538.3	555.6	578.7	597.9	601.8	607.5
105°	394.1	430.7	469.1	499.9	511.4	528.7	549.9	569.1	572.9	578.7
107.5°	373.0	407.6	444.1	474.9	484.5	499.9	521.0	540.3	544.1	551.8
110°	353.8	388.4	423.0	451.8	463.3	474.9	496.0	513.3	517.2	522.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	336.5	367.2	401.8	428.7	438.4	451.8	469.1	486.4	490.3	498.0
115°	321.1	349.9	384.5	409.5	417.2	428.7	448.0	463.3	467.2	473.0
117.5°	307.6	332.6	363.4	388.4	398.0	407.6	424.9	438.4	444.1	448.0
120°	296.1	319.2	346.1	369.1	380.7	388.4	403.7	417.2	423.0	426.8
122.5°	284.5	305.7	330.7	351.8	361.4	367.2	384.5	396.1	401.8	407.6
125°	274.9	294.2	317.2	334.5	344.1	349.9	365.3	376.8	382.6	386.4
127.5°	265.3	282.6	305.7	319.2	328.8	332.6	346.1	357.6	363.4	365.3
130°	255.7	273.0	292.2	305.7	313.4	319.2	330.7	338.4	344.1	346.1
132.5°	248.0	263.4	280.7	294.2	301.8	303.8	315.3	323.0	328.8	330.7
135°	242.2	253.8	271.1	282.6	288.4	292.2	301.8	307.6	313.4	315.3
137.5°	234.6	246.1	261.5	269.2	276.9	278.8	288.4	294.2	299.9	301.8
140°	228.8	238.4	251.9	259.6	267.2	267.2	274.9	280.7	286.5	286.5
142.5°	223.0	232.6	244.2	251.9	257.6	257.6	265.3	269.2	274.9	274.9
145°	215.3	224.9	236.5	242.2	248.0	248.0	253.8	257.6	263.4	263.4
147.5°	207.6	217.3	228.8	232.6	238.4	238.4	244.2	248.0	251.9	251.9
150°	198.0	205.7	219.2	224.9	230.7	230.7	234.6	238.4	242.2	242.2
152.5°	190.3	196.1	207.6	215.3	221.1	221.1	224.9	228.8	232.6	232.6
155°	180.7	186.5	196.1	205.7	211.5	213.4	217.3	219.2	223.0	223.0
157.5°	173.0	178.8	186.5	194.2	200.0	203.8	209.6	211.5	213.4	213.4
160°	163.4	167.3	175.0	182.6	188.4	192.3	201.9	203.8	205.7	205.7
162.5°	159.6	159.6	163.4	169.2	175.0	176.9	186.5	194.2	198.0	196.1
165°	161.5	159.6	159.6	161.5	165.3	167.3	173.0	184.6	188.4	186.5
167.5°	165.3	161.5	159.6	159.6	163.4	163.4	169.2	178.8	190.3	186.5
170°	165.3	159.6	155.7	155.7	157.7	157.7	161.5	167.3	178.8	180.7
172.5°	163.4	159.6	153.8	146.1	148.0	146.1	144.2	148.0	150.0	169.2
175°	165.3	159.6	153.8	144.2	140.3	134.6	125.0	117.3	115.4	94.2
177.5°	163.4	157.7	150.0	142.3	138.4	130.7	119.2	105.7	98.1	86.5
180°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7

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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	13.80	15.11	14.44	15.78	16.54	17.42	18.73	18.06	19.40	20.17
	3H	15.15	16.34	15.80	17.02	17.82	20.38	21.58	21.03	22.25	23.05
	4H	15.55	16.69	16.22	17.37	18.19	21.88	23.02	22.56	23.71	24.52
	6H	15.76	16.83	16.45	17.52	18.35	23.49	24.56	24.18	25.25	26.08
	8H	15.80	16.82	16.49	17.53	18.37	24.35	25.36	25.04	26.08	26.91
	12H	15.80	16.78	16.51	17.49	18.35	25.29	26.27	25.99	26.98	27.84
4H	2H	14.96	16.10	15.63	16.78	17.60	17.74	18.88	18.41	19.56	20.38
	3H	16.60	17.57	17.29	18.30	19.13	20.92	21.90	21.61	22.62	23.46
	4H	17.17	18.07	17.87	18.79	19.65	22.60	23.50	23.31	24.23	25.09
	6H	17.51	18.30	18.23	19.05	19.92	24.42	25.22	25.14	25.97	26.84
	8H	17.58	18.33	18.30	19.08	19.96	25.40	26.15	26.12	26.89	27.78
	12H	17.61	18.29	18.35	19.06	19.95	26.48	27.17	27.23	27.94	28.83
8H	4H	18.27	19.02	19.00	19.77	20.65	22.77	23.52	23.50	24.27	25.15
	6H	18.88	19.52	19.64	20.31	21.19	24.77	25.41	25.52	26.20	27.08
	8H	19.08	19.66	19.84	20.44	21.34	25.89	26.47	26.65	27.25	28.15
	12H	19.19	19.71	19.96	20.49	21.44	27.16	27.68	27.93	28.46	29.42
12H	4H	18.64	19.32	19.39	20.09	20.98	22.77	23.45	23.51	24.22	25.11
	6H	19.42	20.00	20.18	20.78	21.68	24.80	25.38	25.56	26.16	27.06
	8H	19.74	20.26	20.51	21.04	22.00	25.98	26.50	26.75	27.28	28.23