

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: P894395

Luminaire Tested: 8TMB-10SL-FLTU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 8TMB-10SL-FLTU-UNV-L940
Description: 10000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 40
Light Source: -
Ballast/Driver: -

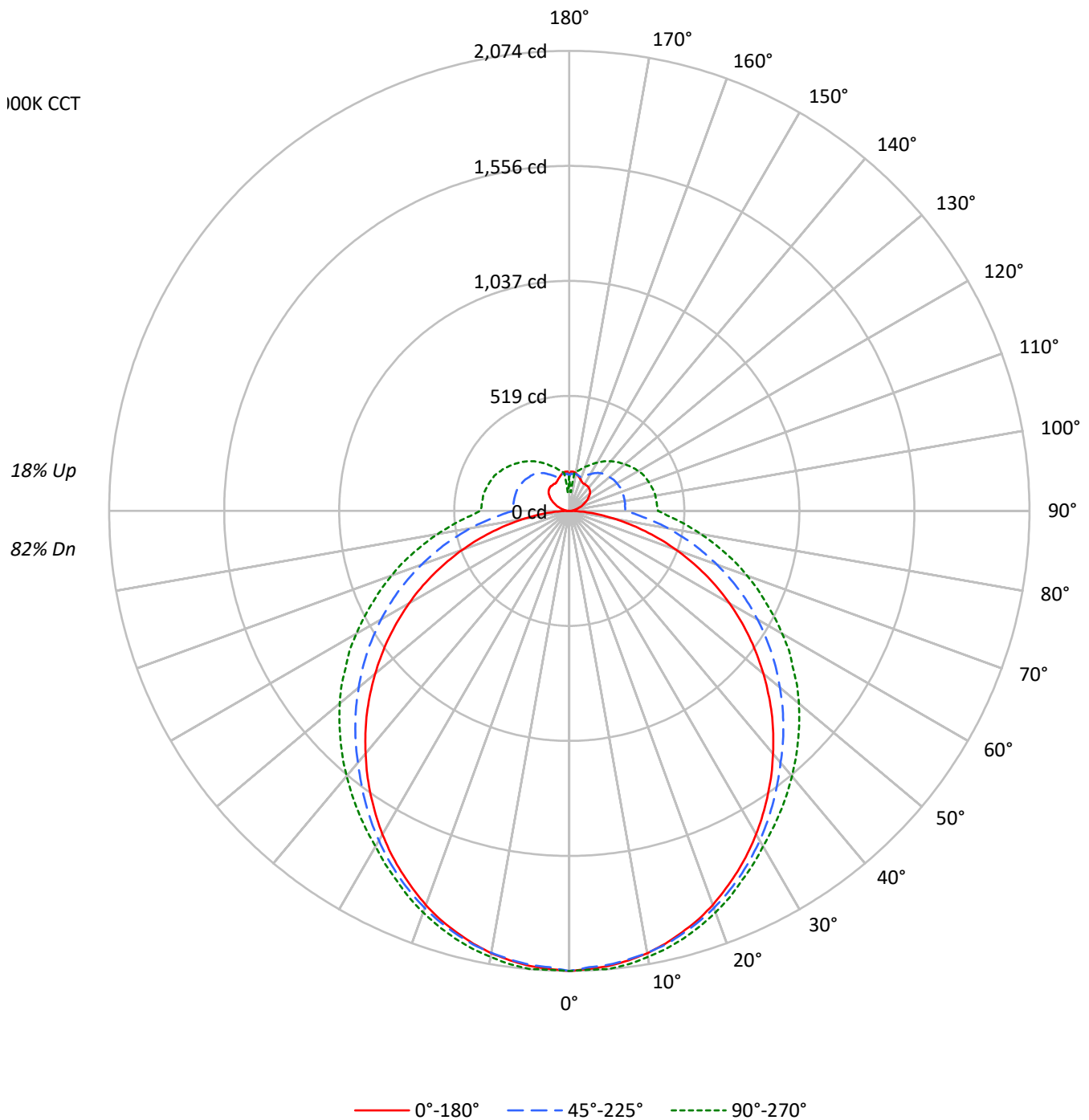
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7842.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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 (A_{in}): 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	0
RCR																					
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7360	7360	7360
5°	7318	7063	7044
10°	7263	6802	6709
15°	7173	6539	6389
20°	7071	6269	6065
25°	6939	5987	5736
30°	6797	5697	5436
35°	6640	5405	5189
40°	6474	5118	4953
45°	6309	4868	4729
50°	6115	4609	4510
55°	5909	4355	4267
60°	5659	4081	4035
65°	5362	3792	3773
70°	4970	3475	3530
75°	4425	3150	3266
80°	3709	2802	2997
85°	2790	2448	2750

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6309 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.1	2.5
10°-20°	559.5	7.1
20°-30°	840.6	10.7
30°-40°	1009.3	12.9
40°-50°	1061.3	13.5
50°-60°	997.2	12.7
60°-70°	829.2	10.6
70°-80°	591.7	7.5
80°-90°	352.2	4.5
90°-100°	255.0	3.3
100°-110°	251.6	3.2
110°-120°	236.3	3.0
120°-130°	209.4	2.7
130°-140°	173.5	2.2
140°-150°	129.9	1.7
150°-160°	85.4	1.1
160°-170°	48.4	0.6
170°-180°	15.4	0.2
0°-30°	1596.2	20.4
0°-40°	2605.5	33.2
0°-60°	4664.0	59.5
0°-90°	6437.1	82.1
90°-120°	742.8	9.5
90°-150°	1255.6	16.0
90°-180°	1405.0	17.9
0°-180°	7842.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2059	2084	2054	2059	2072	195
15°	1966	1997	1974	1987	1995	555
25°	1794	1828	1819	1836	1839	826
35°	1561	1597	1603	1642	1658	976
45°	1290	1326	1364	1434	1459	994
55°	991	1030	1112	1203	1230	885
65°	674	729	845	951	978	667
75°	354	434	578	690	726	376
85°	89	195	339	453	491	97
90°	0	112	252	362	400	6
95°	10	118	252	358	396	11
105°	36	131	254	354	388	38
115°	70	142	252	339	373	70
125°	106	152	244	318	343	95
135°	131	159	231	290	311	101
145°	138	155	208	258	273	87
155°	140	157	176	218	231	66
165°	161	170	165	167	193	45
175°	178	176	167	142	85	17
180°	155	155	155	155	155	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2066.8	2072.4	2074.3	2093.3	2085.7	2093.3	2080.0	2064.9	2061.1	2070.6	2059.2
5°	2059.2	2064.9	2066.8	2085.7	2078.1	2083.8	2072.4	2057.3	2053.5	2064.9	2053.5
7.5°	2044.0	2049.7	2051.6	2072.4	2063.0	2070.6	2057.3	2042.1	2040.2	2051.6	2040.2
10°	2025.1	2030.8	2032.7	2051.6	2044.0	2051.6	2038.3	2023.2	2021.3	2034.6	2023.2
12.5°	1998.6	2004.2	2008.0	2027.0	2017.5	2027.0	2011.8	1996.7	1998.6	2009.9	2002.4
15°	1966.4	1973.9	1975.8	1994.8	1987.2	1996.7	1981.5	1966.4	1970.2	1981.5	1973.9
17.5°	1932.3	1939.8	1941.7	1958.8	1951.2	1962.6	1945.5	1932.3	1936.1	1947.4	1941.7
20°	1890.6	1898.2	1902.0	1919.0	1911.4	1922.8	1905.7	1894.4	1898.2	1911.4	1905.7
22.5°	1843.2	1854.6	1856.5	1875.4	1866.0	1877.3	1860.3	1850.8	1856.5	1869.7	1864.1
25°	1794.0	1805.3	1807.2	1826.2	1818.6	1828.1	1811.0	1801.6	1809.1	1822.4	1818.6
27.5°	1740.9	1752.3	1756.1	1773.1	1765.6	1776.9	1758.0	1752.3	1759.9	1773.1	1769.3
30°	1684.1	1695.5	1697.4	1714.4	1708.7	1720.1	1703.0	1695.5	1706.8	1720.1	1716.3
32.5°	1623.5	1634.8	1640.5	1655.7	1650.0	1659.5	1644.3	1640.5	1650.0	1663.3	1661.4
35°	1561.0	1572.3	1578.0	1595.1	1587.5	1597.0	1581.8	1578.0	1593.2	1602.6	1602.6
37.5°	1496.6	1507.9	1513.6	1530.7	1521.2	1532.6	1517.4	1515.5	1532.6	1542.0	1542.0
40°	1428.4	1441.6	1447.3	1462.5	1454.9	1464.4	1451.1	1453.0	1468.1	1479.5	1481.4
42.5°	1360.2	1373.4	1379.1	1396.2	1386.7	1396.2	1384.8	1386.7	1403.7	1415.1	1424.6
45°	1290.1	1301.4	1307.1	1326.1	1314.7	1326.1	1314.7	1318.5	1335.5	1352.6	1364.0
47.5°	1216.2	1227.6	1237.0	1252.2	1242.7	1252.2	1244.6	1250.3	1271.1	1288.2	1303.3
50°	1142.3	1153.7	1163.1	1176.4	1166.9	1180.2	1170.7	1178.3	1204.8	1221.9	1238.9
52.5°	1066.5	1076.0	1091.2	1098.7	1091.2	1106.3	1098.7	1110.1	1136.6	1157.5	1176.4
55°	990.8	1000.2	1015.4	1021.1	1013.5	1030.5	1024.9	1040.0	1068.4	1091.2	1112.0
57.5°	913.1	922.6	935.8	941.5	935.8	954.8	952.9	969.9	998.3	1023.0	1045.7
60°	833.5	843.0	854.4	860.0	860.0	879.0	879.0	899.8	930.1	952.9	979.4
62.5°	755.9	761.5	772.9	780.5	786.2	805.1	805.1	827.8	860.0	886.6	913.1
65°	674.4	680.1	689.6	699.0	708.5	729.3	731.2	755.9	788.1	814.6	844.9
67.5°	592.9	598.6	608.1	619.5	632.7	653.6	657.3	683.9	718.0	748.3	776.7
70°	513.4	515.3	526.6	541.8	556.9	577.8	583.5	611.9	647.9	678.2	708.5
72.5°	433.8	435.7	447.1	466.0	483.1	505.8	513.4	543.7	579.7	610.0	640.3
75°	354.2	356.1	371.3	394.0	413.0	433.8	443.3	475.5	511.5	543.7	577.8
77.5°	278.5	282.3	297.4	320.1	342.9	367.5	377.0	409.2	449.0	479.3	511.5
80°	208.4	212.2	229.2	253.8	278.5	301.2	312.6	344.8	386.5	416.8	452.8
82.5°	144.0	149.7	170.5	197.0	221.6	246.3	257.6	287.9	325.8	359.9	394.0
85°	89.0	96.6	117.5	145.9	172.4	195.1	206.5	238.7	274.7	306.9	339.1
87.5°	41.7	53.0	73.9	102.3	130.7	149.7	162.9	195.1	229.2	261.4	293.6
90°	0.0	17.0	37.9	66.3	94.7	111.8	126.9	157.2	191.3	221.6	252.0
92.5°	3.8	18.9	41.7	68.2	96.6	113.7	128.8	159.1	191.3	221.6	252.0
95°	9.5	20.8	43.6	72.0	100.4	117.5	130.7	161.0	193.2	223.5	252.0
97.5°	17.0	26.5	49.3	75.8	104.2	119.3	134.5	164.8	195.1	225.4	253.8
100°	22.7	30.3	53.0	79.6	108.0	123.1	138.3	166.7	197.0	227.3	253.8
102.5°	28.4	37.9	58.7	83.4	111.8	126.9	140.2	168.6	198.9	227.3	253.8
105°	36.0	43.6	62.5	89.0	115.6	130.7	144.0	172.4	200.8	229.2	253.8
107.5°	43.6	49.3	68.2	92.8	119.3	132.6	145.9	174.3	202.7	229.2	253.8
110°	53.0	56.8	73.9	96.6	121.2	136.4	149.7	176.2	202.7	229.2	253.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	62.5	62.5	79.6	100.4	125.0	138.3	151.6	178.1	204.6	229.2	253.8
115°	70.1	72.0	85.2	104.2	128.8	142.1	153.4	178.1	204.6	229.2	252.0
117.5°	79.6	79.6	92.8	108.0	130.7	144.0	157.2	180.0	204.6	227.3	250.1
120°	89.0	87.1	98.5	113.7	134.5	145.9	159.1	181.9	204.6	227.3	248.2
122.5°	98.5	94.7	102.3	117.5	136.4	149.7	159.1	181.9	204.6	225.4	246.3
125°	106.1	102.3	108.0	123.1	140.2	151.6	161.0	181.9	204.6	223.5	244.4
127.5°	113.7	109.9	115.6	126.9	142.1	151.6	162.9	181.9	204.6	221.6	240.6
130°	121.2	115.6	123.1	130.7	145.9	153.4	162.9	181.9	202.7	219.7	236.8
132.5°	126.9	121.2	128.8	134.5	147.8	155.3	164.8	181.9	200.8	217.9	234.9
135°	130.7	125.0	134.5	138.3	151.6	159.1	166.7	181.9	198.9	216.0	231.1
137.5°	134.5	126.9	138.3	142.1	153.4	161.0	166.7	180.0	197.0	212.2	227.3
140°	136.4	130.7	142.1	145.9	151.6	159.1	166.7	178.1	193.2	208.4	221.6
142.5°	138.3	130.7	144.0	147.8	151.6	157.2	164.8	174.3	189.4	202.7	216.0
145°	138.3	132.6	144.0	147.8	151.6	155.3	161.0	172.4	183.8	195.1	208.4
147.5°	138.3	134.5	145.9	149.7	153.4	153.4	157.2	168.6	178.1	189.4	200.8
150°	140.2	134.5	145.9	149.7	155.3	155.3	157.2	162.9	174.3	181.9	191.3
152.5°	138.3	136.4	144.0	151.6	155.3	157.2	157.2	159.1	168.6	176.2	183.8
155°	140.2	140.2	145.9	155.3	157.2	157.2	159.1	157.2	161.0	168.6	176.2
157.5°	144.0	147.8	147.8	157.2	161.0	161.0	162.9	161.0	159.1	161.0	168.6
160°	149.7	153.4	153.4	159.1	164.8	164.8	166.7	164.8	162.9	161.0	161.0
162.5°	155.3	159.1	159.1	161.0	166.7	168.6	170.5	168.6	166.7	162.9	161.0
165°	161.0	164.8	164.8	164.8	168.6	170.5	172.4	170.5	170.5	166.7	164.8
167.5°	166.7	170.5	170.5	168.6	170.5	172.4	174.3	172.4	172.4	170.5	166.7
170°	172.4	176.2	176.2	172.4	174.3	174.3	176.2	174.3	174.3	170.5	168.6
172.5°	176.2	180.0	178.1	176.2	176.2	176.2	176.2	174.3	172.4	168.6	168.6
175°	178.1	181.9	181.9	178.1	176.2	176.2	178.1	174.3	172.4	170.5	166.7
177.5°	178.1	181.9	181.9	178.1	176.2	176.2	178.1	176.2	176.2	172.4	168.6
180°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2066.8	2064.9	2053.5	2066.8	2066.8	2063.0	2078.1	2076.2	2074.3	2070.6
5°	2059.2	2057.3	2045.9	2059.2	2059.2	2057.3	2072.4	2074.3	2076.2	2072.4
7.5°	2047.8	2045.9	2034.6	2047.8	2047.8	2045.9	2063.0	2064.9	2066.8	2061.1
10°	2030.8	2028.9	2017.5	2030.8	2032.7	2030.8	2044.0	2045.9	2049.7	2042.1
12.5°	2008.0	2008.0	1996.7	2009.9	2011.8	2009.9	2023.2	2027.0	2030.8	2021.3
15°	1979.6	1981.5	1972.0	1985.3	1987.2	1987.2	2000.5	2002.4	2008.0	1994.8
17.5°	1945.5	1949.3	1941.7	1955.0	1956.9	1958.8	1966.4	1972.0	1977.7	1962.6
20°	1909.5	1911.4	1905.7	1917.1	1920.9	1919.0	1928.5	1936.1	1941.7	1926.6
22.5°	1866.0	1867.9	1862.2	1873.5	1877.3	1879.2	1886.8	1896.3	1900.1	1886.8
25°	1816.7	1824.3	1820.5	1831.9	1835.7	1835.7	1843.2	1852.7	1858.4	1839.4
27.5°	1769.3	1778.8	1775.0	1786.4	1790.2	1792.1	1795.9	1807.2	1812.9	1795.9
30°	1716.3	1727.7	1725.8	1737.1	1740.9	1739.0	1746.6	1758.0	1765.6	1746.6
32.5°	1657.6	1672.7	1670.8	1686.0	1689.8	1691.7	1697.4	1712.5	1720.1	1703.0
35°	1600.7	1617.8	1619.7	1636.7	1642.4	1644.3	1651.9	1667.1	1674.6	1657.6
37.5°	1542.0	1564.8	1570.4	1587.5	1593.2	1595.1	1602.6	1619.7	1627.3	1610.2
40°	1485.2	1511.7	1519.3	1534.4	1540.1	1545.8	1551.5	1568.5	1578.0	1561.0
42.5°	1428.4	1456.8	1466.2	1481.4	1487.1	1492.8	1500.3	1519.3	1526.9	1511.7
45°	1369.6	1399.9	1411.3	1426.5	1434.0	1439.7	1447.3	1464.4	1473.8	1458.7
47.5°	1310.9	1341.2	1352.6	1369.6	1377.2	1384.8	1390.5	1411.3	1420.8	1405.6
50°	1248.4	1282.5	1295.8	1310.9	1322.3	1328.0	1335.5	1354.5	1364.0	1350.7
52.5°	1185.9	1221.9	1237.0	1252.2	1263.5	1273.0	1276.8	1297.6	1307.1	1293.9
55°	1121.5	1157.5	1174.5	1191.6	1202.9	1214.3	1218.1	1238.9	1248.4	1229.5
57.5°	1057.1	1094.9	1112.0	1130.9	1140.4	1153.7	1159.4	1178.3	1187.8	1174.5
60°	992.7	1028.6	1049.5	1066.5	1079.8	1091.2	1094.9	1115.8	1125.3	1108.2
62.5°	926.3	964.2	985.1	1004.0	1015.4	1028.6	1034.3	1053.3	1060.9	1043.8
65°	858.2	896.0	918.8	935.8	951.0	962.3	966.1	987.0	994.5	977.5
67.5°	790.0	827.8	852.5	871.4	884.7	897.9	901.7	922.6	930.1	916.9
70°	723.7	761.5	786.2	808.9	818.4	831.6	837.3	856.3	863.8	852.5
72.5°	657.3	695.2	721.8	744.5	754.0	767.2	774.8	790.0	801.3	791.8
75°	592.9	630.8	657.3	680.1	689.6	702.8	710.4	725.5	733.1	725.5
77.5°	530.4	568.3	592.9	615.7	627.0	638.4	646.0	661.1	670.6	663.0
80°	469.8	507.7	532.3	553.2	564.5	575.9	583.5	600.5	608.1	602.4
82.5°	413.0	449.0	475.5	496.3	507.7	519.1	526.6	541.8	551.3	543.7
85°	361.8	397.8	422.4	443.3	452.8	464.1	471.7	486.9	494.4	490.6
87.5°	312.6	344.8	373.2	394.0	403.5	414.9	424.3	435.7	445.2	439.5
90°	274.7	303.1	329.6	350.5	361.8	373.2	384.6	395.9	403.5	399.7
92.5°	276.6	303.1	327.7	346.7	358.0	369.4	380.8	394.0	399.7	395.9
95°	276.6	303.1	327.7	346.7	358.0	369.4	380.8	394.0	399.7	395.9
97.5°	276.6	303.1	327.7	346.7	358.0	369.4	380.8	394.0	399.7	394.0
100°	276.6	303.1	327.7	346.7	358.0	367.5	378.9	392.1	397.8	394.0
102.5°	276.6	303.1	325.8	344.8	356.1	365.6	377.0	390.2	395.9	392.1
105°	276.6	301.2	325.8	342.9	354.2	363.7	375.1	386.5	392.1	388.3
107.5°	274.7	299.3	322.0	341.0	350.5	359.9	371.3	382.7	388.3	384.6
110°	274.7	297.4	320.1	337.2	346.7	356.1	367.5	378.9	384.6	380.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	272.8	295.5	318.3	333.4	342.9	352.4	361.8	375.1	380.8	377.0
115°	270.9	293.6	314.5	329.6	339.1	346.7	358.0	371.3	375.1	373.2
117.5°	269.0	289.8	310.7	325.8	335.3	342.9	352.4	363.7	369.4	367.5
120°	267.1	286.1	306.9	320.1	329.6	337.2	344.8	356.1	361.8	358.0
122.5°	263.3	282.3	303.1	316.4	323.9	331.5	339.1	348.6	354.2	352.4
125°	259.5	278.5	297.4	310.7	318.3	323.9	331.5	341.0	344.8	342.9
127.5°	255.7	274.7	291.7	303.1	312.6	318.3	323.9	333.4	337.2	335.3
130°	252.0	269.0	286.1	297.4	305.0	310.7	316.4	325.8	327.7	327.7
132.5°	248.2	263.3	280.4	291.7	299.3	303.1	308.8	316.4	320.1	318.3
135°	244.4	257.6	274.7	284.2	289.8	295.5	301.2	308.8	310.7	310.7
137.5°	238.7	252.0	267.1	276.6	282.3	286.1	291.7	299.3	301.2	301.2
140°	233.0	246.3	259.5	267.1	274.7	278.5	282.3	289.8	291.7	291.7
142.5°	227.3	238.7	252.0	259.5	267.1	269.0	274.7	280.4	282.3	282.3
145°	219.7	233.0	244.4	252.0	257.6	259.5	265.2	270.9	270.9	272.8
147.5°	210.3	221.6	236.8	242.5	248.2	250.1	255.7	259.5	261.4	261.4
150°	200.8	212.2	225.4	234.9	240.6	242.5	244.4	250.1	250.1	252.0
152.5°	191.3	200.8	214.1	223.5	231.1	233.0	234.9	238.7	238.7	240.6
155°	181.9	189.4	200.8	210.3	217.9	221.6	225.4	229.2	229.2	231.1
157.5°	174.3	181.9	191.3	198.9	204.6	210.3	216.0	219.7	219.7	219.7
160°	164.8	170.5	180.0	185.6	193.2	197.0	206.5	210.3	210.3	212.2
162.5°	159.1	161.0	166.7	172.4	178.1	181.9	191.3	200.8	200.8	202.7
165°	161.0	159.1	161.0	162.9	166.7	168.6	174.3	187.5	191.3	193.2
167.5°	164.8	159.1	159.1	159.1	162.9	162.9	168.6	176.2	189.4	185.6
170°	164.8	159.1	155.3	155.3	157.2	155.3	159.1	164.8	172.4	180.0
172.5°	166.7	161.0	155.3	147.8	149.7	147.8	144.0	144.0	145.9	170.5
175°	164.8	161.0	153.4	144.0	142.1	136.4	125.0	115.6	109.9	85.2
177.5°	162.9	157.2	151.6	144.0	140.2	134.5	121.2	106.1	90.9	87.1
180°	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3	155.3



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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	14.64	15.96	15.26	16.59	17.32	17.27	18.59	17.89	19.22	19.95
	3H	16.05	17.25	16.67	17.89	18.64	19.73	20.93	20.36	21.58	22.33
	4H	16.47	17.61	17.12	18.27	19.04	20.90	22.04	21.55	22.69	23.46
	6H	16.71	17.77	17.37	18.43	19.22	22.08	23.14	22.74	23.80	24.59
	8H	16.75	17.76	17.42	18.45	19.24	22.67	23.69	23.35	24.37	25.16
	12H	16.76	17.73	17.44	18.41	19.23	23.31	24.28	23.99	24.96	25.77
4H	2H	15.55	16.68	16.20	17.34	18.11	17.62	18.75	18.27	19.41	20.18
	3H	17.17	18.13	17.83	18.83	19.62	20.28	21.25	20.94	21.94	22.73
	4H	17.72	18.61	18.40	19.30	20.12	21.59	22.48	22.28	23.18	24.00
	6H	18.06	18.84	18.76	19.56	20.39	22.95	23.73	23.65	24.45	25.27
	8H	18.14	18.87	18.84	19.59	20.43	23.64	24.37	24.34	25.09	25.93
	12H	18.17	18.83	18.89	19.57	20.42	24.39	25.05	25.11	25.80	26.64
8H	4H	18.39	19.12	19.09	19.84	20.68	21.74	22.48	22.45	23.19	24.03
	6H	18.89	19.51	19.62	20.27	21.11	23.24	23.86	23.97	24.61	25.46
	8H	19.04	19.60	19.79	20.36	21.22	24.05	24.60	24.79	25.36	26.22
	12H	19.13	19.63	19.88	20.38	21.30	24.96	25.45	25.71	26.20	27.12
12H	4H	18.56	19.22	19.28	19.96	20.81	21.73	22.40	22.46	23.14	23.99
	6H	19.15	19.71	19.90	20.47	21.33	23.25	23.81	24.00	24.57	25.43
	8H	19.39	19.88	20.14	20.64	21.55	24.11	24.61	24.86	25.36	26.28