

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: P895225

Luminaire Tested: 8TMB-8SL-FLTU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895225
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-8SL-FLTU-UNV-L930
Description: 8000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 300
Light Source: -
Ballast/Driver: -

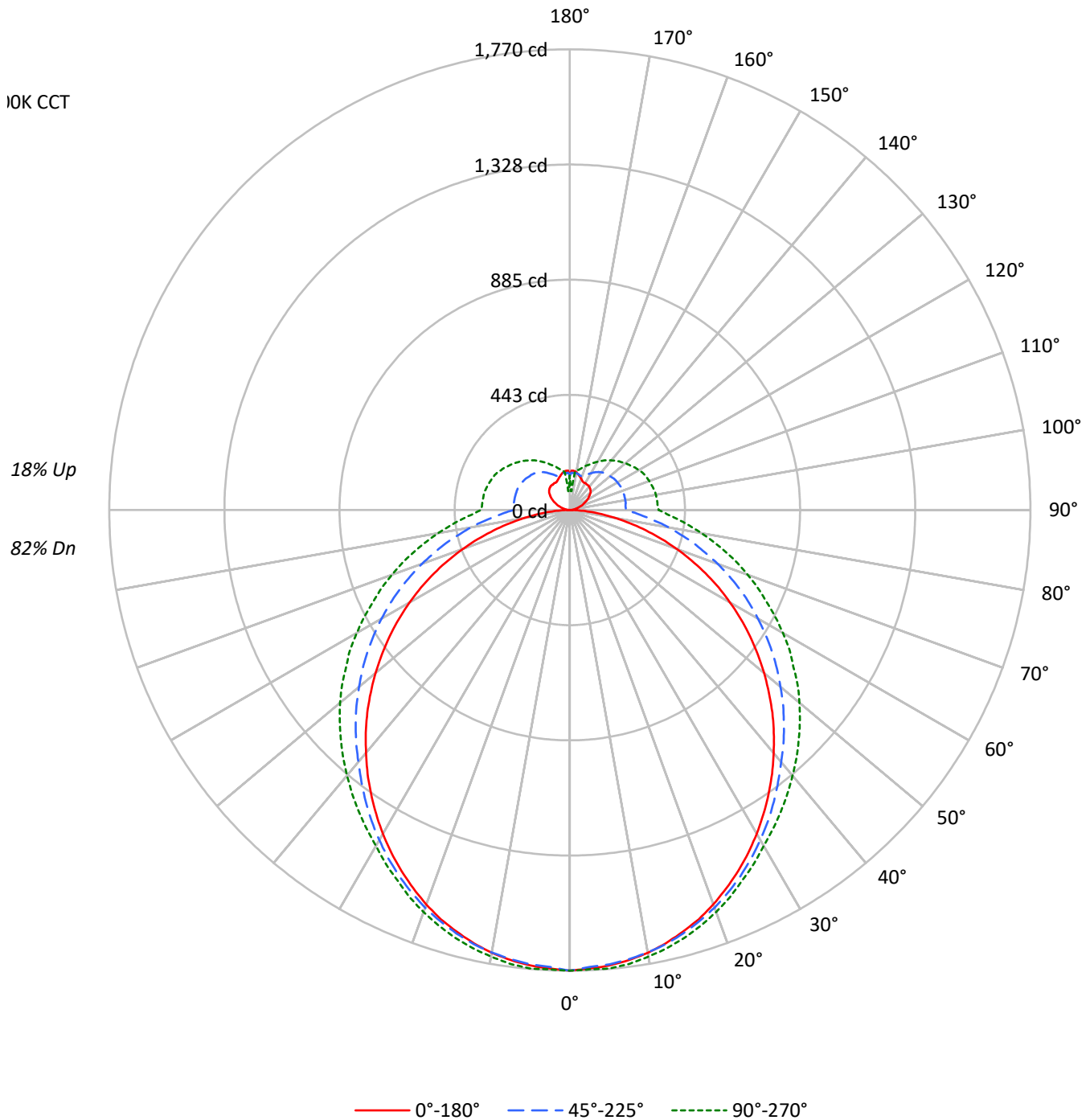
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6690.0 lumens
Efficiency: N/A
Efficacy: 112.2 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): 59.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 3.8
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-8SL-FLTU-UNV-L930

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°	6279	6279	6279
5°	6243	6025	6009
10°	6196	5803	5724
15°	6119	5579	5451
20°	6033	5349	5174
25°	5919	5107	4893
30°	5799	4860	4638
35°	5665	4611	4427
40°	5523	4366	4225
45°	5382	4153	4034
50°	5217	3932	3848
55°	5040	3715	3640
60°	4828	3481	3442
65°	4574	3235	3219
70°	4240	2964	3011
75°	3775	2687	2787
80°	3164	2390	2556
85°	2383	2088	2346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5382 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	2.5
10°-20°	477.3	7.1
20°-30°	717.1	10.7
30°-40°	861.1	12.9
40°-50°	905.4	13.5
50°-60°	850.7	12.7
60°-70°	707.4	10.6
70°-80°	504.8	7.5
80°-90°	300.5	4.5
90°-100°	217.5	3.3
100°-110°	214.6	3.2
110°-120°	201.6	3.0
120°-130°	178.6	2.7
130°-140°	148.0	2.2
140°-150°	110.8	1.7
150°-160°	72.9	1.1
160°-170°	41.3	0.6
170°-180°	13.2	0.2
0°-30°	1361.7	20.4
0°-40°	2222.8	33.2
0°-60°	3978.9	59.5
0°-90°	5491.5	82.1
90°-120°	633.7	9.5
90°-150°	1071.1	16.0
90°-180°	1198.0	17.9
0°-180°	6690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1770	1770	1770	1770	1770	
5°	1757	1778	1752	1757	1768	167
15°	1678	1703	1684	1695	1702	473
25°	1530	1560	1551	1566	1569	705
35°	1332	1362	1367	1401	1414	833
45°	1101	1131	1164	1223	1244	848
55°	845	879	949	1026	1049	755
65°	575	622	721	811	834	569
75°	302	370	493	588	619	321
85°	76	166	289	386	419	83
90°	0	95	215	309	341	5
95°	8	100	215	305	338	9
105°	31	112	217	302	331	33
115°	60	121	215	289	318	60
125°	90	129	208	272	292	81
135°	112	136	197	247	265	86
145°	118	132	178	220	233	74
155°	120	134	150	186	197	56
165°	137	145	141	142	165	39
175°	152	150	142	121	73	14
180°	132	132	132	132	132	



TEST NUMBER: P895225
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6
2.5°	1763.2	1768.0	1769.6	1785.8	1779.3	1785.8	1774.5	1761.5	1758.3	1766.4	1756.7
5°	1756.7	1761.5	1763.2	1779.3	1772.9	1777.7	1768.0	1755.1	1751.8	1761.5	1751.8
7.5°	1743.8	1748.6	1750.2	1768.0	1759.9	1766.4	1755.1	1742.1	1740.5	1750.2	1740.5
10°	1727.6	1732.4	1734.1	1750.2	1743.8	1750.2	1738.9	1726.0	1724.4	1735.7	1726.0
12.5°	1705.0	1709.8	1713.1	1729.2	1721.1	1729.2	1716.3	1703.4	1705.0	1714.7	1708.2
15°	1677.5	1684.0	1685.6	1701.7	1695.3	1703.4	1690.4	1677.5	1680.7	1690.4	1684.0
17.5°	1648.4	1654.9	1656.5	1671.0	1664.6	1674.3	1659.7	1648.4	1651.6	1661.3	1656.5
20°	1612.9	1619.3	1622.6	1637.1	1630.6	1640.3	1625.8	1616.1	1619.3	1630.6	1625.8
22.5°	1572.5	1582.2	1583.8	1599.9	1591.8	1601.5	1587.0	1578.9	1583.8	1595.1	1590.2
25°	1530.4	1540.1	1541.7	1557.9	1551.4	1559.5	1545.0	1536.9	1543.4	1554.7	1551.4
27.5°	1485.2	1494.9	1498.1	1512.7	1506.2	1515.9	1499.7	1494.9	1501.3	1512.7	1509.4
30°	1436.7	1446.4	1448.0	1462.6	1457.7	1467.4	1452.9	1446.4	1456.1	1467.4	1464.2
32.5°	1385.0	1394.7	1399.5	1412.5	1407.6	1415.7	1402.8	1399.5	1407.6	1418.9	1417.3
35°	1331.7	1341.4	1346.2	1360.7	1354.3	1362.4	1349.4	1346.2	1359.1	1367.2	1367.2
37.5°	1276.7	1286.4	1291.3	1305.8	1297.7	1307.4	1294.5	1292.9	1307.4	1315.5	1315.5
40°	1218.5	1229.8	1234.7	1247.6	1241.2	1249.2	1237.9	1239.5	1252.5	1262.2	1263.8
42.5°	1160.4	1171.7	1176.5	1191.1	1183.0	1191.1	1181.4	1183.0	1197.5	1207.2	1215.3
45°	1100.6	1110.3	1115.1	1131.3	1121.6	1131.3	1121.6	1124.8	1139.3	1153.9	1163.6
47.5°	1037.5	1047.2	1055.3	1068.2	1060.2	1068.2	1061.8	1066.6	1084.4	1098.9	1111.9
50°	974.5	984.2	992.3	1003.6	995.5	1006.8	998.7	1005.2	1027.8	1042.4	1056.9
52.5°	909.9	917.9	930.9	937.3	930.9	943.8	937.3	947.0	969.7	987.4	1003.6
55°	845.2	853.3	866.2	871.1	864.6	879.2	874.3	887.2	911.5	930.9	948.6
57.5°	779.0	787.0	798.3	803.2	798.3	814.5	812.9	827.4	851.7	872.7	892.1
60°	711.1	719.2	728.9	733.7	733.7	749.9	749.9	767.6	793.5	812.9	835.5
62.5°	644.8	649.7	659.4	665.8	670.7	686.8	686.8	706.2	733.7	756.3	779.0
65°	575.3	580.2	588.3	596.3	604.4	622.2	623.8	644.8	672.3	694.9	720.8
67.5°	505.8	510.7	518.8	528.5	539.8	557.6	560.8	583.4	612.5	638.4	662.6
70°	438.0	439.6	449.3	462.2	475.1	492.9	497.8	522.0	552.7	578.6	604.4
72.5°	370.1	371.7	381.4	397.6	412.1	431.5	438.0	463.8	494.5	520.4	546.2
75°	302.2	303.8	316.8	336.1	352.3	370.1	378.2	405.6	436.3	463.8	492.9
77.5°	237.6	240.8	253.7	273.1	292.5	313.5	321.6	349.1	383.0	408.9	436.3
80°	177.8	181.0	195.5	216.6	237.6	257.0	266.7	294.1	329.7	355.5	386.2
82.5°	122.8	127.7	145.4	168.1	189.1	210.1	219.8	245.6	278.0	307.1	336.1
85°	76.0	82.4	100.2	124.4	147.1	166.5	176.2	203.6	234.3	261.8	289.3
87.5°	35.6	45.3	63.0	87.3	111.5	127.7	139.0	166.5	195.5	223.0	250.5
90°	0.0	14.5	32.3	56.6	80.8	95.3	108.3	134.1	163.2	189.1	214.9
92.5°	3.2	16.2	35.6	58.2	82.4	97.0	109.9	135.8	163.2	189.1	214.9
95°	8.1	17.8	37.2	61.4	85.7	100.2	111.5	137.4	164.8	190.7	214.9
97.5°	14.5	22.6	42.0	64.6	88.9	101.8	114.7	140.6	166.5	192.3	216.6
100°	19.4	25.9	45.3	67.9	92.1	105.0	118.0	142.2	168.1	193.9	216.6
102.5°	24.2	32.3	50.1	71.1	95.3	108.3	119.6	143.8	169.7	193.9	216.6
105°	30.7	37.2	53.3	76.0	98.6	111.5	122.8	147.1	171.3	195.5	216.6
107.5°	37.2	42.0	58.2	79.2	101.8	113.1	124.4	148.7	172.9	195.5	216.6
110°	45.3	48.5	63.0	82.4	103.4	116.4	127.7	150.3	172.9	195.5	216.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	53.3	53.3	67.9	85.7	106.7	118.0	129.3	151.9	174.5	195.5	216.6
115°	59.8	61.4	72.7	88.9	109.9	121.2	130.9	151.9	174.5	195.5	214.9
117.5°	67.9	67.9	79.2	92.1	111.5	122.8	134.1	153.5	174.5	193.9	213.3
120°	76.0	74.3	84.0	97.0	114.7	124.4	135.8	155.1	174.5	193.9	211.7
122.5°	84.0	80.8	87.3	100.2	116.4	127.7	135.8	155.1	174.5	192.3	210.1
125°	90.5	87.3	92.1	105.0	119.6	129.3	137.4	155.1	174.5	190.7	208.5
127.5°	97.0	93.7	98.6	108.3	121.2	129.3	139.0	155.1	174.5	189.1	205.2
130°	103.4	98.6	105.0	111.5	124.4	130.9	139.0	155.1	172.9	187.5	202.0
132.5°	108.3	103.4	109.9	114.7	126.1	132.5	140.6	155.1	171.3	185.9	200.4
135°	111.5	106.7	114.7	118.0	129.3	135.8	142.2	155.1	169.7	184.2	197.2
137.5°	114.7	108.3	118.0	121.2	130.9	137.4	142.2	153.5	168.1	181.0	193.9
140°	116.4	111.5	121.2	124.4	129.3	135.8	142.2	151.9	164.8	177.8	189.1
142.5°	118.0	111.5	122.8	126.1	129.3	134.1	140.6	148.7	161.6	172.9	184.2
145°	118.0	113.1	122.8	126.1	129.3	132.5	137.4	147.1	156.8	166.5	177.8
147.5°	118.0	114.7	124.4	127.7	130.9	130.9	134.1	143.8	151.9	161.6	171.3
150°	119.6	114.7	124.4	127.7	132.5	132.5	134.1	139.0	148.7	155.1	163.2
152.5°	118.0	116.4	122.8	129.3	132.5	134.1	134.1	135.8	143.8	150.3	156.8
155°	119.6	119.6	124.4	132.5	134.1	134.1	135.8	134.1	137.4	143.8	150.3
157.5°	122.8	126.1	126.1	134.1	137.4	137.4	139.0	137.4	135.8	137.4	143.8
160°	127.7	130.9	130.9	135.8	140.6	140.6	142.2	140.6	139.0	137.4	137.4
162.5°	132.5	135.8	135.8	137.4	142.2	143.8	145.4	143.8	142.2	139.0	137.4
165°	137.4	140.6	140.6	140.6	143.8	145.4	147.1	145.4	145.4	142.2	140.6
167.5°	142.2	145.4	145.4	143.8	145.4	147.1	148.7	147.1	147.1	145.4	142.2
170°	147.1	150.3	150.3	147.1	148.7	148.7	150.3	148.7	148.7	145.4	143.8
172.5°	150.3	153.5	151.9	150.3	150.3	150.3	150.3	148.7	147.1	143.8	143.8
175°	151.9	155.1	155.1	151.9	150.3	150.3	151.9	148.7	147.1	145.4	142.2
177.5°	151.9	155.1	155.1	151.9	151.9	150.3	151.9	150.3	150.3	147.1	143.8
180°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6	1769.6
2.5°	1763.2	1761.5	1751.8	1763.2	1763.2	1759.9	1772.9	1771.2	1769.6	1766.4
5°	1756.7	1755.1	1745.4	1756.7	1756.7	1755.1	1768.0	1769.6	1771.2	1768.0
7.5°	1747.0	1745.4	1735.7	1747.0	1747.0	1745.4	1759.9	1761.5	1763.2	1758.3
10°	1732.4	1730.8	1721.1	1732.4	1734.1	1732.4	1743.8	1745.4	1748.6	1742.1
12.5°	1713.1	1713.1	1703.4	1714.7	1716.3	1714.7	1726.0	1729.2	1732.4	1724.4
15°	1688.8	1690.4	1682.3	1693.7	1695.3	1695.3	1706.6	1708.2	1713.1	1701.7
17.5°	1659.7	1663.0	1656.5	1667.8	1669.4	1671.0	1677.5	1682.3	1687.2	1674.3
20°	1629.0	1630.6	1625.8	1635.5	1638.7	1637.1	1645.2	1651.6	1656.5	1643.6
22.5°	1591.8	1593.5	1588.6	1598.3	1601.5	1603.2	1609.6	1617.7	1620.9	1609.6
25°	1549.8	1556.3	1553.1	1562.8	1566.0	1566.0	1572.5	1580.5	1585.4	1569.2
27.5°	1509.4	1517.5	1514.3	1524.0	1527.2	1528.8	1532.1	1541.7	1546.6	1532.1
30°	1464.2	1473.9	1472.3	1482.0	1485.2	1483.6	1490.0	1499.7	1506.2	1490.0
32.5°	1414.1	1427.0	1425.4	1438.3	1441.6	1443.2	1448.0	1460.9	1467.4	1452.9
35°	1365.6	1380.1	1381.8	1396.3	1401.1	1402.8	1409.2	1422.2	1428.6	1414.1
37.5°	1315.5	1334.9	1339.7	1354.3	1359.1	1360.7	1367.2	1381.8	1388.2	1373.7
40°	1267.0	1289.6	1296.1	1309.0	1313.9	1318.7	1323.6	1338.1	1346.2	1331.7
42.5°	1218.5	1242.8	1250.9	1263.8	1268.6	1273.5	1279.9	1296.1	1302.6	1289.6
45°	1168.4	1194.3	1204.0	1216.9	1223.4	1228.2	1234.7	1249.2	1257.3	1244.4
47.5°	1118.3	1144.2	1153.9	1168.4	1174.9	1181.4	1186.2	1204.0	1212.1	1199.1
50°	1065.0	1094.1	1105.4	1118.3	1128.0	1132.9	1139.3	1155.5	1163.6	1152.3
52.5°	1011.7	1042.4	1055.3	1068.2	1077.9	1086.0	1089.2	1107.0	1115.1	1103.8
55°	956.7	987.4	1002.0	1016.5	1026.2	1035.9	1039.1	1056.9	1065.0	1048.8
57.5°	901.8	934.1	948.6	964.8	972.9	984.2	989.0	1005.2	1013.3	1002.0
60°	846.8	877.5	895.3	909.9	921.2	930.9	934.1	951.9	960.0	945.4
62.5°	790.3	822.6	840.4	856.5	866.2	877.5	882.4	898.5	905.0	890.5
65°	732.1	764.4	783.8	798.3	811.3	821.0	824.2	842.0	848.4	833.9
67.5°	673.9	706.2	727.2	743.4	754.7	766.0	769.3	787.0	793.5	782.2
70°	617.3	649.7	670.7	690.1	698.2	709.5	714.3	730.5	736.9	727.2
72.5°	560.8	593.1	615.7	635.1	643.2	654.5	661.0	673.9	683.6	675.5
75°	505.8	538.2	560.8	580.2	588.3	599.6	606.0	619.0	625.4	619.0
77.5°	452.5	484.8	505.8	525.2	534.9	544.6	551.1	564.0	572.1	565.6
80°	400.8	433.1	454.1	471.9	481.6	491.3	497.8	512.3	518.8	513.9
82.5°	352.3	383.0	405.6	423.4	433.1	442.8	449.3	462.2	470.3	463.8
85°	308.7	339.4	360.4	378.2	386.2	395.9	402.4	415.3	421.8	418.6
87.5°	266.7	294.1	318.4	336.1	344.2	353.9	362.0	371.7	379.8	374.9
90°	234.3	258.6	281.2	299.0	308.7	318.4	328.1	337.8	344.2	341.0
92.5°	235.9	258.6	279.6	295.7	305.4	315.1	324.8	336.1	341.0	337.8
95°	235.9	258.6	279.6	295.7	305.4	315.1	324.8	336.1	341.0	337.8
97.5°	235.9	258.6	279.6	295.7	305.4	315.1	324.8	336.1	341.0	336.1
100°	235.9	258.6	279.6	295.7	305.4	313.5	323.2	334.5	339.4	336.1
102.5°	235.9	258.6	278.0	294.1	303.8	311.9	321.6	332.9	337.8	334.5
105°	235.9	257.0	278.0	292.5	302.2	310.3	320.0	329.7	334.5	331.3
107.5°	234.3	255.3	274.7	290.9	299.0	307.1	316.8	326.5	331.3	328.1
110°	234.3	253.7	273.1	287.7	295.7	303.8	313.5	323.2	328.1	324.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	232.7	252.1	271.5	284.4	292.5	300.6	308.7	320.0	324.8	321.6
115°	231.1	250.5	268.3	281.2	289.3	295.7	305.4	316.8	320.0	318.4
117.5°	229.5	247.3	265.0	278.0	286.0	292.5	300.6	310.3	315.1	313.5
120°	227.9	244.0	261.8	273.1	281.2	287.7	294.1	303.8	308.7	305.4
122.5°	224.6	240.8	258.6	269.9	276.4	282.8	289.3	297.4	302.2	300.6
125°	221.4	237.6	253.7	265.0	271.5	276.4	282.8	290.9	294.1	292.5
127.5°	218.2	234.3	248.9	258.6	266.7	271.5	276.4	284.4	287.7	286.0
130°	214.9	229.5	244.0	253.7	260.2	265.0	269.9	278.0	279.6	279.6
132.5°	211.7	224.6	239.2	248.9	255.3	258.6	263.4	269.9	273.1	271.5
135°	208.5	219.8	234.3	242.4	247.3	252.1	257.0	263.4	265.0	265.0
137.5°	203.6	214.9	227.9	235.9	240.8	244.0	248.9	255.3	257.0	257.0
140°	198.8	210.1	221.4	227.9	234.3	237.6	240.8	247.3	248.9	248.9
142.5°	193.9	203.6	214.9	221.4	227.9	229.5	234.3	239.2	240.8	240.8
145°	187.5	198.8	208.5	214.9	219.8	221.4	226.3	231.1	231.1	232.7
147.5°	179.4	189.1	202.0	206.9	211.7	213.3	218.2	221.4	223.0	223.0
150°	171.3	181.0	192.3	200.4	205.2	206.9	208.5	213.3	213.3	214.9
152.5°	163.2	171.3	182.6	190.7	197.2	198.8	200.4	203.6	203.6	205.2
155°	155.1	161.6	171.3	179.4	185.9	189.1	192.3	195.5	195.5	197.2
157.5°	148.7	155.1	163.2	169.7	174.5	179.4	184.2	187.5	187.5	187.5
160°	140.6	145.4	153.5	158.4	164.8	168.1	176.2	179.4	179.4	181.0
162.5°	135.8	137.4	142.2	147.1	151.9	155.1	163.2	171.3	171.3	172.9
165°	137.4	135.8	137.4	139.0	142.2	143.8	148.7	160.0	163.2	164.8
167.5°	140.6	135.8	135.8	135.8	139.0	139.0	143.8	150.3	161.6	158.4
170°	140.6	135.8	132.5	132.5	134.1	132.5	135.8	140.6	147.1	153.5
172.5°	142.2	137.4	132.5	126.1	127.7	126.1	122.8	122.8	124.4	145.4
175°	140.6	137.4	130.9	122.8	121.2	116.4	106.7	98.6	93.7	72.7
177.5°	139.0	134.1	129.3	122.8	119.6	114.7	103.4	90.5	77.6	74.3
180°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5



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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	14.09	15.41	14.71	16.04	16.76	16.72	18.04	17.34	18.67	19.39
	3H	15.49	16.69	16.12	17.34	18.09	19.18	20.38	19.81	21.02	21.78
	4H	15.92	17.06	16.57	17.71	18.48	20.35	21.49	21.00	22.14	22.91
	6H	16.16	17.22	16.82	17.88	18.67	21.53	22.59	22.19	23.25	24.04
	8H	16.20	17.21	16.87	17.90	18.69	22.12	23.13	22.79	23.82	24.61
	12H	16.21	17.18	16.89	17.86	18.68	22.76	23.72	23.43	24.40	25.22
4H	2H	14.99	16.13	15.64	16.79	17.55	17.06	18.20	17.71	18.86	19.63
	3H	16.62	17.58	17.28	18.27	19.06	19.73	20.69	20.39	21.39	22.17
	4H	17.17	18.06	17.85	18.75	19.57	21.04	21.93	21.72	22.62	23.44
	6H	17.51	18.29	18.21	19.01	19.83	22.40	23.17	23.09	23.90	24.72
	8H	17.58	18.32	18.29	19.03	19.87	23.09	23.82	23.79	24.54	25.38
	12H	17.61	18.28	18.34	19.02	19.87	23.84	24.50	24.56	25.24	26.09
8H	4H	17.83	18.56	18.54	19.28	20.12	21.19	21.92	21.89	22.64	23.48
	6H	18.34	18.95	19.07	19.71	20.56	22.69	23.30	23.42	24.06	24.91
	8H	18.49	19.05	19.24	19.81	20.67	23.50	24.05	24.24	24.81	25.67
	12H	18.58	19.08	19.33	19.83	20.75	24.41	24.90	25.15	25.65	26.57
12H	4H	18.00	18.67	18.73	19.41	20.26	21.18	21.85	21.91	22.59	23.43
	6H	18.60	19.16	19.35	19.92	20.78	22.70	23.26	23.45	24.02	24.88
	8H	18.84	19.33	19.58	20.08	21.00	23.56	24.06	24.31	24.81	25.73