

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: P895112

Luminaire Tested: 8TMB-6SL-FLTU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895112
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-6SL-FLTU-UNV-L850
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 500
Light Source: -
Ballast/Driver: -

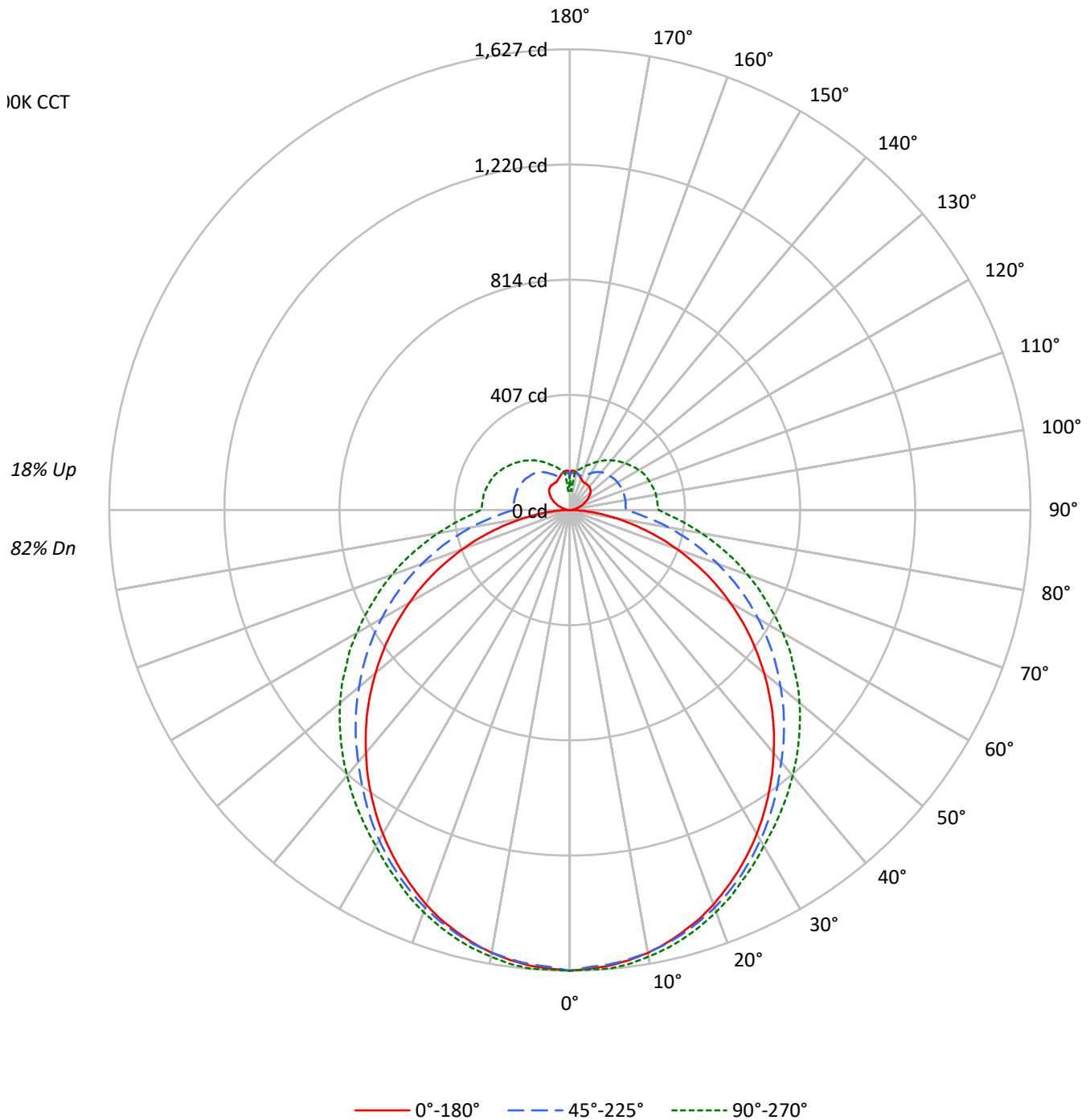
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6151.0 lumens
Efficiency: N/A
Efficacy: 145.8 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): 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				
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°	5773	5773	5773
5°	5740	5540	5525
10°	5697	5336	5263
15°	5626	5129	5011
20°	5546	4918	4757
25°	5442	4695	4499
30°	5332	4468	4264
35°	5208	4240	4070
40°	5078	4015	3885
45°	4948	3818	3709
50°	4797	3615	3538
55°	4634	3415	3346
60°	4439	3201	3165
65°	4206	2975	2959
70°	3898	2725	2768
75°	3471	2470	2562
80°	2908	2197	2350
85°	2188	1920	2157

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	2.5
10°-20°	438.9	7.1
20°-30°	659.3	10.7
30°-40°	791.7	12.9
40°-50°	832.5	13.5
50°-60°	782.2	12.7
60°-70°	650.4	10.6
70°-80°	464.1	7.5
80°-90°	276.2	4.5
90°-100°	200.0	3.3
100°-110°	197.3	3.2
110°-120°	185.3	3.0
120°-130°	164.2	2.7
130°-140°	136.1	2.2
140°-150°	101.9	1.7
150°-160°	67.0	1.1
160°-170°	38.0	0.6
170°-180°	12.1	0.2
0°-30°	1252.0	20.4
0°-40°	2043.7	33.2
0°-60°	3658.3	59.5
0°-90°	5049.0	82.1
90°-120°	582.6	9.5
90°-150°	984.8	16.0
90°-180°	1102.0	17.9
0°-180°	6151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1615	1634	1611	1615	1626	153
15°	1542	1566	1548	1559	1565	435
25°	1407	1434	1426	1440	1443	648
35°	1224	1253	1257	1288	1300	766
45°	1012	1040	1070	1125	1144	780
55°	777	808	872	944	964	694
65°	529	572	663	746	767	523
75°	278	340	453	541	569	295
85°	70	153	266	355	385	76
90°	0	88	198	284	314	5
95°	7	92	198	281	310	8
105°	28	102	199	278	305	30
115°	55	111	198	266	293	55
125°	83	119	192	250	269	74
135°	102	125	181	227	244	79
145°	108	122	163	202	214	68
155°	110	123	138	171	181	51
165°	126	134	129	131	152	36
175°	140	138	131	111	67	13
180°	122	122	122	122	122	



TEST NUMBER: P895112
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0
2.5°	1621.1	1625.6	1627.0	1641.9	1636.0	1641.9	1631.5	1619.6	1616.6	1624.1	1615.2
5°	1615.2	1619.6	1621.1	1636.0	1630.0	1634.5	1625.6	1613.7	1610.7	1619.6	1610.7
7.5°	1603.3	1607.7	1609.2	1625.6	1618.1	1624.1	1613.7	1601.8	1600.3	1609.2	1600.3
10°	1588.4	1592.9	1594.4	1609.2	1603.3	1609.2	1598.8	1586.9	1585.4	1595.8	1586.9
12.5°	1567.6	1572.1	1575.0	1589.9	1582.5	1589.9	1578.0	1566.1	1567.6	1576.5	1570.6
15°	1542.3	1548.3	1549.8	1564.6	1558.7	1566.1	1554.2	1542.3	1545.3	1554.2	1548.3
17.5°	1515.6	1521.5	1523.0	1536.4	1530.5	1539.4	1526.0	1515.6	1518.6	1527.5	1523.0
20°	1482.9	1488.9	1491.8	1505.2	1499.3	1508.2	1494.8	1485.9	1488.9	1499.3	1494.8
22.5°	1445.8	1454.7	1456.2	1471.0	1463.6	1472.5	1459.1	1451.7	1456.2	1466.6	1462.1
25°	1407.1	1416.0	1417.5	1432.4	1426.4	1433.9	1420.5	1413.1	1419.0	1429.4	1426.4
27.5°	1365.5	1374.4	1377.4	1390.8	1384.8	1393.8	1378.9	1374.4	1380.4	1390.8	1387.8
30°	1321.0	1329.9	1331.4	1344.7	1340.3	1349.2	1335.8	1329.9	1338.8	1349.2	1346.2
32.5°	1273.4	1282.3	1286.8	1298.7	1294.2	1301.6	1289.7	1286.8	1294.2	1304.6	1303.1
35°	1224.4	1233.3	1237.7	1251.1	1245.2	1252.6	1240.7	1237.7	1249.6	1257.1	1257.1
37.5°	1173.8	1182.8	1187.2	1200.6	1193.2	1202.1	1190.2	1188.7	1202.1	1209.5	1209.5
40°	1120.4	1130.8	1135.2	1147.1	1141.2	1148.6	1138.2	1139.7	1151.6	1160.5	1162.0
42.5°	1066.9	1077.3	1081.7	1095.1	1087.7	1095.1	1086.2	1087.7	1101.0	1110.0	1117.4
45°	1011.9	1020.8	1025.3	1040.1	1031.2	1040.1	1031.2	1034.2	1047.5	1060.9	1069.8
47.5°	953.9	962.9	970.3	982.2	974.7	982.2	976.2	980.7	997.0	1010.4	1022.3
50°	896.0	904.9	912.3	922.7	915.3	925.7	918.3	924.2	945.0	958.4	971.8
52.5°	836.6	844.0	855.9	861.8	855.9	867.8	861.8	870.7	891.5	907.9	922.7
55°	777.1	784.5	796.4	800.9	794.9	808.3	803.9	815.8	838.0	855.9	872.2
57.5°	716.2	723.6	734.0	738.5	734.0	748.9	747.4	760.8	783.1	802.4	820.2
60°	653.8	661.2	670.1	674.6	674.6	689.5	689.5	705.8	729.6	747.4	768.2
62.5°	592.9	597.3	606.2	612.2	616.6	631.5	631.5	649.3	674.6	695.4	716.2
65°	529.0	533.4	540.9	548.3	555.7	572.1	573.6	592.9	618.1	638.9	662.7
67.5°	465.1	469.5	477.0	485.9	496.3	512.6	515.6	536.4	563.2	586.9	609.2
70°	402.7	404.2	413.1	425.0	436.9	453.2	457.7	479.9	508.2	531.9	555.7
72.5°	340.3	341.8	350.7	365.5	378.9	396.7	402.7	426.4	454.7	478.5	502.2
75°	277.9	279.3	291.2	309.1	323.9	340.3	347.7	373.0	401.2	426.4	453.2
77.5°	218.4	221.4	233.3	251.1	268.9	288.3	295.7	321.0	352.2	375.9	401.2
80°	163.4	166.4	179.8	199.1	218.4	236.3	245.2	270.4	303.1	326.9	355.1
82.5°	112.9	117.4	133.7	154.5	173.8	193.2	202.1	225.9	255.6	282.3	309.1
85°	69.8	75.8	92.1	114.4	135.2	153.0	162.0	187.2	215.5	240.7	266.0
87.5°	32.7	41.6	57.9	80.2	102.5	117.4	127.8	153.0	179.8	205.1	230.3
90°	0.0	13.4	29.7	52.0	74.3	87.7	99.6	123.3	150.1	173.8	197.6
92.5°	3.0	14.9	32.7	53.5	75.8	89.2	101.0	124.8	150.1	173.8	197.6
95°	7.4	16.3	34.2	56.5	78.8	92.1	102.5	126.3	151.6	175.3	197.6
97.5°	13.4	20.8	38.6	59.4	81.7	93.6	105.5	129.3	153.0	176.8	199.1
100°	17.8	23.8	41.6	62.4	84.7	96.6	108.5	130.8	154.5	178.3	199.1
102.5°	22.3	29.7	46.1	65.4	87.7	99.6	110.0	132.2	156.0	178.3	199.1
105°	28.2	34.2	49.0	69.8	90.6	102.5	112.9	135.2	157.5	179.8	199.1
107.5°	34.2	38.6	53.5	72.8	93.6	104.0	114.4	136.7	159.0	179.8	199.1
110°	41.6	44.6	57.9	75.8	95.1	107.0	117.4	138.2	159.0	179.8	199.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	49.0	49.0	62.4	78.8	98.1	108.5	118.9	139.7	160.5	179.8	199.1
115°	55.0	56.5	66.9	81.7	101.0	111.4	120.4	139.7	160.5	179.8	197.6
117.5°	62.4	62.4	72.8	84.7	102.5	112.9	123.3	141.2	160.5	178.3	196.1
120°	69.8	68.4	77.3	89.2	105.5	114.4	124.8	142.6	160.5	178.3	194.7
122.5°	77.3	74.3	80.2	92.1	107.0	117.4	124.8	142.6	160.5	176.8	193.2
125°	83.2	80.2	84.7	96.6	110.0	118.9	126.3	142.6	160.5	175.3	191.7
127.5°	89.2	86.2	90.6	99.6	111.4	118.9	127.8	142.6	160.5	173.8	188.7
130°	95.1	90.6	96.6	102.5	114.4	120.4	127.8	142.6	159.0	172.4	185.7
132.5°	99.6	95.1	101.0	105.5	115.9	121.8	129.3	142.6	157.5	170.9	184.2
135°	102.5	98.1	105.5	108.5	118.9	124.8	130.8	142.6	156.0	169.4	181.3
137.5°	105.5	99.6	108.5	111.4	120.4	126.3	130.8	141.2	154.5	166.4	178.3
140°	107.0	102.5	111.4	114.4	118.9	124.8	130.8	139.7	151.6	163.4	173.8
142.5°	108.5	102.5	112.9	115.9	118.9	123.3	129.3	136.7	148.6	159.0	169.4
145°	108.5	104.0	112.9	115.9	118.9	121.8	126.3	135.2	144.1	153.0	163.4
147.5°	108.5	105.5	114.4	117.4	120.4	120.4	123.3	132.2	139.7	148.6	157.5
150°	110.0	105.5	114.4	117.4	121.8	121.8	123.3	127.8	136.7	142.6	150.1
152.5°	108.5	107.0	112.9	118.9	121.8	123.3	123.3	124.8	132.2	138.2	144.1
155°	110.0	110.0	114.4	121.8	123.3	123.3	124.8	123.3	126.3	132.2	138.2
157.5°	112.9	115.9	115.9	123.3	126.3	126.3	127.8	126.3	124.8	126.3	132.2
160°	117.4	120.4	120.4	124.8	129.3	129.3	130.8	129.3	127.8	126.3	126.3
162.5°	121.8	124.8	124.8	126.3	130.8	132.2	133.7	132.2	130.8	127.8	126.3
165°	126.3	129.3	129.3	129.3	132.2	133.7	135.2	133.7	133.7	130.8	129.3
167.5°	130.8	133.7	133.7	132.2	133.7	135.2	136.7	135.2	135.2	133.7	130.8
170°	135.2	138.2	138.2	135.2	136.7	136.7	138.2	136.7	136.7	133.7	132.2
172.5°	138.2	141.2	139.7	138.2	138.2	138.2	138.2	136.7	135.2	132.2	132.2
175°	139.7	142.6	142.6	139.7	138.2	138.2	139.7	136.7	135.2	133.7	130.8
177.5°	139.7	142.6	142.6	139.7	139.7	138.2	139.7	138.2	138.2	135.2	132.2
180°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0	1627.0
2.5°	1621.1	1619.6	1610.7	1621.1	1621.1	1618.1	1630.0	1628.5	1627.0	1624.1
5°	1615.2	1613.7	1604.8	1615.2	1615.2	1613.7	1625.6	1627.0	1628.5	1625.6
7.5°	1606.2	1604.8	1595.8	1606.2	1606.2	1604.8	1618.1	1619.6	1621.1	1616.6
10°	1592.9	1591.4	1582.5	1592.9	1594.4	1592.9	1603.3	1604.8	1607.7	1601.8
12.5°	1575.0	1575.0	1566.1	1576.5	1578.0	1576.5	1586.9	1589.9	1592.9	1585.4
15°	1552.7	1554.2	1546.8	1557.2	1558.7	1558.7	1569.1	1570.6	1575.0	1564.6
17.5°	1526.0	1529.0	1523.0	1533.4	1534.9	1536.4	1542.3	1546.8	1551.3	1539.4
20°	1497.8	1499.3	1494.8	1503.7	1506.7	1505.2	1512.6	1518.6	1523.0	1511.1
22.5°	1463.6	1465.1	1460.6	1469.5	1472.5	1474.0	1479.9	1487.4	1490.3	1479.9
25°	1425.0	1430.9	1427.9	1436.9	1439.8	1439.8	1445.8	1453.2	1457.7	1442.8
27.5°	1387.8	1395.2	1392.3	1401.2	1404.2	1405.6	1408.6	1417.5	1422.0	1408.6
30°	1346.2	1355.1	1353.6	1362.6	1365.5	1364.0	1370.0	1378.9	1384.8	1370.0
32.5°	1300.1	1312.0	1310.6	1322.4	1325.4	1326.9	1331.4	1343.2	1349.2	1335.8
35°	1255.6	1268.9	1270.4	1283.8	1288.3	1289.7	1295.7	1307.6	1313.5	1300.1
37.5°	1209.5	1227.3	1231.8	1245.2	1249.6	1251.1	1257.1	1270.4	1276.4	1263.0
40°	1164.9	1185.7	1191.7	1203.6	1208.0	1212.5	1216.9	1230.3	1237.7	1224.4
42.5°	1120.4	1142.6	1150.1	1162.0	1166.4	1170.9	1176.8	1191.7	1197.6	1185.7
45°	1074.3	1098.1	1107.0	1118.9	1124.8	1129.3	1135.2	1148.6	1156.0	1144.1
47.5°	1028.2	1052.0	1060.9	1074.3	1080.2	1086.2	1090.6	1107.0	1114.4	1102.5
50°	979.2	1005.9	1016.3	1028.2	1037.1	1041.6	1047.5	1062.4	1069.8	1059.4
52.5°	930.2	958.4	970.3	982.2	991.1	998.5	1001.5	1017.8	1025.3	1014.9
55°	879.6	907.9	921.2	934.6	943.5	952.5	955.4	971.8	979.2	964.3
57.5°	829.1	858.8	872.2	887.1	894.5	904.9	909.4	924.2	931.6	921.2
60°	778.6	806.8	823.2	836.6	847.0	855.9	858.8	875.2	882.6	869.2
62.5°	726.6	756.3	772.7	787.5	796.4	806.8	811.3	826.2	832.1	818.7
65°	673.1	702.8	720.7	734.0	745.9	754.8	757.8	774.1	780.1	766.7
67.5°	619.6	649.3	668.6	683.5	693.9	704.3	707.3	723.6	729.6	719.2
70°	567.6	597.3	616.6	634.5	641.9	652.3	656.8	671.6	677.6	668.6
72.5°	515.6	545.3	566.1	584.0	591.4	601.8	607.7	619.6	628.5	621.1
75°	465.1	494.8	515.6	533.4	540.9	551.3	557.2	569.1	575.0	569.1
77.5°	416.0	445.8	465.1	482.9	491.8	500.7	506.7	518.6	526.0	520.1
80°	368.5	398.2	417.5	433.9	442.8	451.7	457.7	471.0	477.0	472.5
82.5°	323.9	352.2	373.0	389.3	398.2	407.1	413.1	425.0	432.4	426.4
85°	283.8	312.0	331.4	347.7	355.1	364.0	370.0	381.9	387.8	384.8
87.5°	245.2	270.4	292.7	309.1	316.5	325.4	332.8	341.8	349.2	344.7
90°	215.5	237.7	258.5	274.9	283.8	292.7	301.6	310.5	316.5	313.5
92.5°	216.9	237.7	257.1	271.9	280.8	289.7	298.7	309.1	313.5	310.5
95°	216.9	237.7	257.1	271.9	280.8	289.7	298.7	309.1	313.5	310.5
97.5°	216.9	237.7	257.1	271.9	280.8	289.7	298.7	309.1	313.5	309.1
100°	216.9	237.7	257.1	271.9	280.8	288.3	297.2	307.6	312.0	309.1
102.5°	216.9	237.7	255.6	270.4	279.3	286.8	295.7	306.1	310.5	307.6
105°	216.9	236.3	255.6	268.9	277.9	285.3	294.2	303.1	307.6	304.6
107.5°	215.5	234.8	252.6	267.5	274.9	282.3	291.2	300.1	304.6	301.6
110°	215.5	233.3	251.1	264.5	271.9	279.3	288.3	297.2	301.6	298.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	214.0	231.8	249.6	261.5	268.9	276.4	283.8	294.2	298.7	295.7
115°	212.5	230.3	246.7	258.5	266.0	271.9	280.8	291.2	294.2	292.7
117.5°	211.0	227.3	243.7	255.6	263.0	268.9	276.4	285.3	289.7	288.3
120°	209.5	224.4	240.7	251.1	258.5	264.5	270.4	279.3	283.8	280.8
122.5°	206.5	221.4	237.7	248.1	254.1	260.0	266.0	273.4	277.9	276.4
125°	203.6	218.4	233.3	243.7	249.6	254.1	260.0	267.5	270.4	268.9
127.5°	200.6	215.5	228.8	237.7	245.2	249.6	254.1	261.5	264.5	263.0
130°	197.6	211.0	224.4	233.3	239.2	243.7	248.1	255.6	257.1	257.1
132.5°	194.7	206.5	219.9	228.8	234.8	237.7	242.2	248.1	251.1	249.6
135°	191.7	202.1	215.5	222.9	227.3	231.8	236.3	242.2	243.7	243.7
137.5°	187.2	197.6	209.5	216.9	221.4	224.4	228.8	234.8	236.3	236.3
140°	182.8	193.2	203.6	209.5	215.5	218.4	221.4	227.3	228.8	228.8
142.5°	178.3	187.2	197.6	203.6	209.5	211.0	215.5	219.9	221.4	221.4
145°	172.4	182.8	191.7	197.6	202.1	203.6	208.0	212.5	212.5	214.0
147.5°	164.9	173.8	185.7	190.2	194.7	196.1	200.6	203.6	205.1	205.1
150°	157.5	166.4	176.8	184.2	188.7	190.2	191.7	196.1	196.1	197.6
152.5°	150.1	157.5	167.9	175.3	181.3	182.8	184.2	187.2	187.2	188.7
155°	142.6	148.6	157.5	164.9	170.9	173.8	176.8	179.8	179.8	181.3
157.5°	136.7	142.6	150.1	156.0	160.5	164.9	169.4	172.4	172.4	172.4
160°	129.3	133.7	141.2	145.6	151.6	154.5	162.0	164.9	164.9	166.4
162.5°	124.8	126.3	130.8	135.2	139.7	142.6	150.1	157.5	157.5	159.0
165°	126.3	124.8	126.3	127.8	130.8	132.2	136.7	147.1	150.1	151.6
167.5°	129.3	124.8	124.8	124.8	127.8	127.8	132.2	138.2	148.6	145.6
170°	129.3	124.8	121.8	121.8	123.3	121.8	124.8	129.3	135.2	141.2
172.5°	130.8	126.3	121.8	115.9	117.4	115.9	112.9	112.9	114.4	133.7
175°	129.3	126.3	120.4	112.9	111.4	107.0	98.1	90.6	86.2	66.9
177.5°	127.8	123.3	118.9	112.9	110.0	105.5	95.1	83.2	71.3	68.4
180°	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8	121.8



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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	15.12	14.41	15.75	16.47	16.43	17.75	17.04	18.38	19.10
	3H	15.20	16.40	15.83	17.04	17.80	18.89	20.09	19.52	20.73	21.49
	4H	15.63	16.77	16.28	17.42	18.19	20.06	21.20	20.71	21.85	22.62
	6H	15.87	16.92	16.53	17.59	18.37	21.24	22.30	21.90	22.96	23.75
	8H	15.91	16.92	16.58	17.61	18.40	21.83	22.84	22.50	23.53	24.32
	12H	15.92	16.89	16.60	17.57	18.39	22.46	23.43	23.14	24.11	24.93
4H	2H	14.70	15.84	15.35	16.49	17.26	16.77	17.91	17.42	18.56	19.33
	3H	16.32	17.29	16.99	17.98	18.77	19.43	20.40	20.10	21.09	21.88
	4H	16.88	17.76	17.56	18.46	19.28	20.75	21.64	21.43	22.33	23.15
	6H	17.22	17.99	17.91	18.72	19.54	22.10	22.88	22.80	23.60	24.43
	8H	17.29	18.02	17.99	18.74	19.58	22.79	23.52	23.50	24.24	25.08
	12H	17.32	17.99	18.05	18.73	19.57	23.54	24.21	24.27	24.95	25.80
8H	4H	17.54	18.27	18.24	18.99	19.83	20.90	21.63	21.60	22.35	23.19
	6H	18.04	18.66	18.78	19.42	20.27	22.39	23.01	23.13	23.77	24.61
	8H	18.20	18.76	18.94	19.52	20.37	23.20	23.76	23.95	24.52	25.38
	12H	18.29	18.78	19.04	19.54	20.45	24.11	24.61	24.86	25.36	26.28
12H	4H	17.71	18.38	18.44	19.12	19.96	20.89	21.55	21.61	22.30	23.14
	6H	18.31	18.87	19.06	19.63	20.49	22.41	22.97	23.15	23.73	24.59
	8H	18.54	19.04	19.29	19.79	20.71	23.27	23.77	24.02	24.52	25.43