

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: P895109

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895109
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-L830
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 300
Light Source: -
Ballast/Driver: -

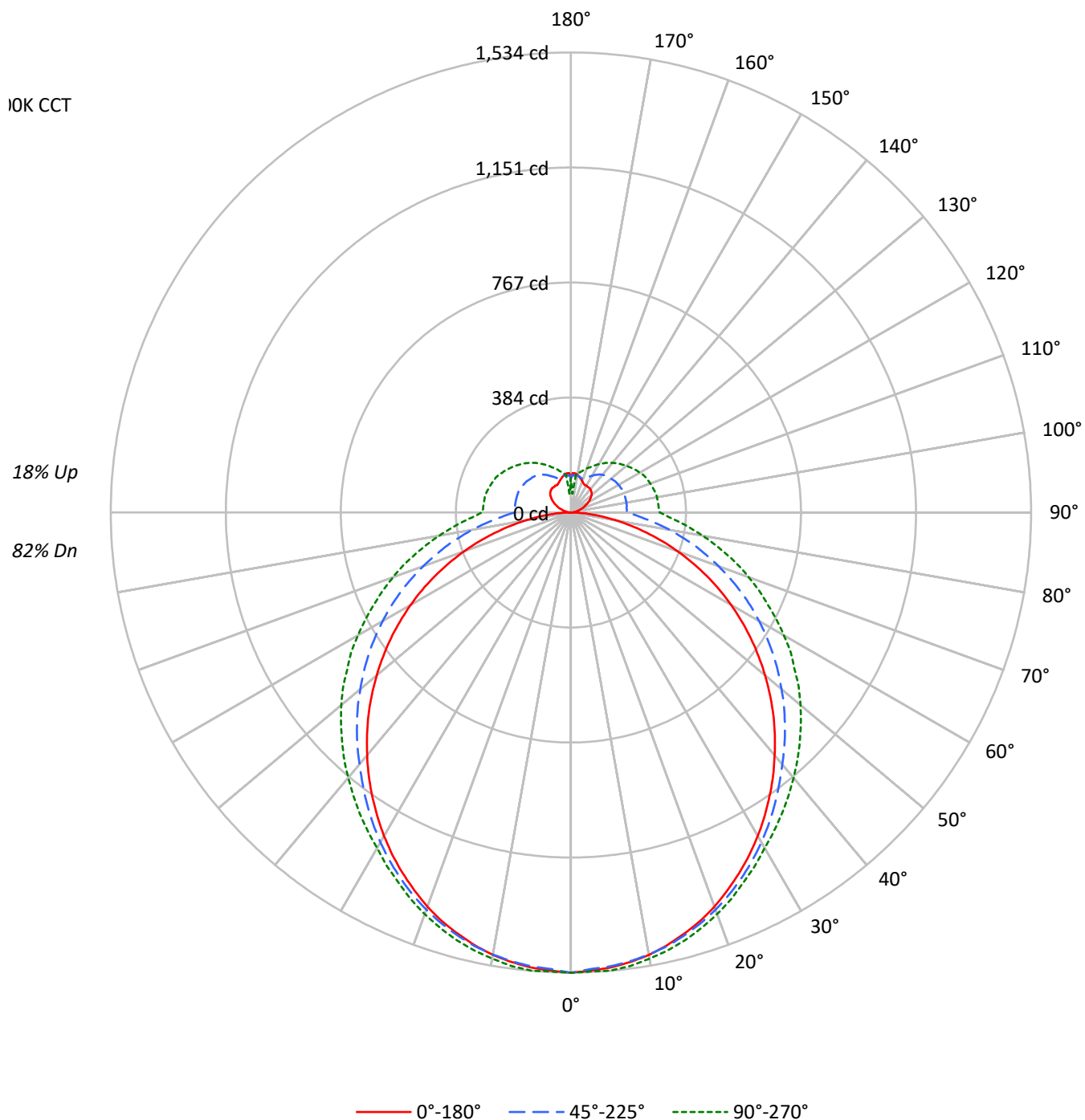
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5801.0 lumens
Efficiency: N/A
Efficacy: 137.5 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 (Ain): 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	0
RCR																				
0	115	115	115	115	110	110	110	110	101	101	101		93	93	93		86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80		79	77	74		73	71	69	66
2	93	85	77	71	89	81	75	69	75	69	65		69	64	61		63	60	57	54
3	85	74	65	59	81	71	63	57	65	59	54		60	55	51		55	51	48	45
4	77	65	56	49	74	63	54	48	58	51	45		53	48	43		49	45	41	38
5	71	58	49	42	68	56	47	41	52	45	39		48	42	37		44	39	35	32
6	66	52	43	37	62	50	42	36	47	39	34		43	37	32		40	35	31	28
7	61	47	38	32	58	45	37	31	42	35	30		39	33	29		37	31	27	25
8	56	43	34	29	54	41	33	28	39	32	27		36	30	26		34	28	24	22
9	53	39	31	26	50	38	30	25	35	29	24		33	27	23		31	26	22	20
10	49	36	28	23	47	35	28	23	33	26	22		31	25	21		29	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5445	5445	5445
5°	5413	5225	5211
10°	5372	5032	4963
15°	5306	4838	4726
20°	5231	4638	4487
25°	5133	4429	4243
30°	5028	4214	4021
35°	4912	3998	3839
40°	4789	3786	3664
45°	4667	3601	3498
50°	4524	3410	3337
55°	4371	3221	3156
60°	4186	3019	2985
65°	3966	2805	2791
70°	3676	2570	2611
75°	3273	2330	2416
80°	2743	2072	2217
85°	2066	1810	2034

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4667 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.1	2.5
10°-20°	413.9	7.1
20°-30°	621.8	10.7
30°-40°	746.6	12.9
40°-50°	785.1	13.5
50°-60°	737.7	12.7
60°-70°	613.4	10.6
70°-80°	437.7	7.5
80°-90°	260.5	4.5
90°-100°	188.6	3.3
100°-110°	186.1	3.2
110°-120°	174.8	3.0
120°-130°	154.9	2.7
130°-140°	128.4	2.2
140°-150°	96.1	1.7
150°-160°	63.2	1.1
160°-170°	35.8	0.6
170°-180°	11.4	0.2
0°-30°	1180.8	20.4
0°-40°	1927.4	33.2
0°-60°	3450.2	59.5
0°-90°	4761.8	82.1
90°-120°	549.5	9.5
90°-150°	928.8	16.0
90°-180°	1039.0	17.9
0°-180°	5801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1534	1534	1534	1534	1534	
5°	1523	1542	1519	1523	1533	145
15°	1455	1477	1460	1470	1476	410
25°	1327	1352	1345	1358	1361	611
35°	1155	1181	1186	1215	1226	722
45°	954	981	1009	1061	1079	736
55°	733	762	823	890	910	655
65°	499	540	625	704	723	494
75°	262	321	427	510	537	278
85°	66	144	251	335	363	72
90°	0	83	186	268	296	5
95°	7	87	186	265	293	8
105°	27	97	188	262	287	28
115°	52	105	186	251	276	52
125°	78	112	181	235	254	70
135°	97	118	171	214	230	74
145°	102	115	154	191	202	64
155°	104	116	130	161	171	48
165°	119	126	122	123	143	34
175°	132	130	123	105	63	12
180°	115	115	115	115	115	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5
2.5°	1528.9	1533.1	1534.5	1548.5	1542.9	1548.5	1538.7	1527.5	1524.7	1531.7	1523.3
5°	1523.3	1527.5	1528.9	1542.9	1537.3	1541.5	1533.1	1521.9	1519.0	1527.5	1519.0
7.5°	1512.0	1516.2	1517.6	1533.1	1526.1	1531.7	1521.9	1510.6	1509.2	1517.6	1509.2
10°	1498.0	1502.2	1503.6	1517.6	1512.0	1517.6	1507.8	1496.6	1495.2	1505.0	1496.6
12.5°	1478.4	1482.6	1485.4	1499.4	1492.4	1499.4	1488.2	1477.0	1478.4	1486.8	1481.2
15°	1454.6	1460.2	1461.6	1475.6	1470.0	1477.0	1465.8	1454.6	1457.4	1465.8	1460.2
17.5°	1429.4	1435.0	1436.4	1449.0	1443.4	1451.8	1439.2	1429.4	1432.2	1440.6	1436.4
20°	1398.5	1404.1	1406.9	1419.6	1413.9	1422.4	1409.7	1401.3	1404.1	1413.9	1409.7
22.5°	1363.5	1371.9	1373.3	1387.3	1380.3	1388.7	1376.1	1369.1	1373.3	1383.1	1378.9
25°	1327.1	1335.5	1336.9	1350.9	1345.3	1352.3	1339.7	1332.7	1338.3	1348.1	1345.3
27.5°	1287.8	1296.2	1299.0	1311.7	1306.0	1314.5	1300.4	1296.2	1301.8	1311.7	1308.8
30°	1245.8	1254.2	1255.6	1268.2	1264.0	1272.4	1259.8	1254.2	1262.6	1272.4	1269.6
32.5°	1200.9	1209.4	1213.6	1224.8	1220.6	1227.6	1216.4	1213.6	1220.6	1230.4	1229.0
35°	1154.7	1163.1	1167.3	1179.9	1174.3	1181.3	1170.1	1167.3	1178.5	1185.5	1185.5
37.5°	1107.1	1115.5	1119.7	1132.3	1125.3	1133.7	1122.5	1121.1	1133.7	1140.7	1140.7
40°	1056.6	1066.4	1070.6	1081.8	1076.2	1083.2	1073.4	1074.8	1086.0	1094.4	1095.8
42.5°	1006.2	1016.0	1020.2	1032.8	1025.8	1032.8	1024.4	1025.8	1038.4	1046.8	1053.8
45°	954.3	962.7	966.9	980.9	972.5	980.9	972.5	975.3	987.9	1000.6	1009.0
47.5°	899.7	908.1	915.1	926.3	919.3	926.3	920.7	924.9	940.3	952.9	964.1
50°	845.0	853.4	860.4	870.2	863.2	873.0	866.0	871.6	891.2	903.9	916.5
52.5°	789.0	796.0	807.2	812.8	807.2	818.4	812.8	821.2	840.8	856.2	870.2
55°	732.9	739.9	751.1	755.3	749.7	762.3	758.1	769.3	790.4	807.2	822.6
57.5°	675.4	682.5	692.3	696.5	692.3	706.3	704.9	717.5	738.5	756.7	773.5
60°	616.6	623.6	632.0	636.2	636.2	650.2	650.2	665.6	688.1	704.9	724.5
62.5°	559.1	563.3	571.7	577.4	581.6	595.6	595.6	612.4	636.2	655.8	675.4
65°	498.9	503.1	510.1	517.1	524.1	539.5	540.9	559.1	583.0	602.6	625.0
67.5°	438.6	442.8	449.8	458.2	468.0	483.5	486.3	505.9	531.1	553.5	574.5
70°	379.8	381.2	389.6	400.8	412.0	427.4	431.6	452.6	479.3	501.7	524.1
72.5°	320.9	322.3	330.7	344.7	357.3	374.2	379.8	402.2	428.8	451.2	473.7
75°	262.0	263.5	274.7	291.5	305.5	320.9	327.9	351.7	378.4	402.2	427.4
77.5°	206.0	208.8	220.0	236.8	253.6	271.9	278.9	302.7	332.1	354.5	378.4
80°	154.1	156.9	169.6	187.8	206.0	222.8	231.2	255.0	285.9	308.3	334.9
82.5°	106.5	110.7	126.1	145.7	164.0	182.2	190.6	213.0	241.0	266.3	291.5
85°	65.9	71.5	86.9	107.9	127.5	144.3	152.7	176.6	203.2	227.0	250.8
87.5°	30.8	39.2	54.7	75.7	96.7	110.7	120.5	144.3	169.6	193.4	217.2
90°	0.0	12.6	28.0	49.0	70.1	82.7	93.9	116.3	141.5	164.0	186.4
92.5°	2.8	14.0	30.8	50.4	71.5	84.1	95.3	117.7	141.5	164.0	186.4
95°	7.0	15.4	32.2	53.3	74.3	86.9	96.7	119.1	142.9	165.4	186.4
97.5°	12.6	19.6	36.4	56.1	77.1	88.3	99.5	121.9	144.3	166.8	187.8
100°	16.8	22.4	39.2	58.9	79.9	91.1	102.3	123.3	145.7	168.2	187.8
102.5°	21.0	28.0	43.4	61.7	82.7	93.9	103.7	124.7	147.1	168.2	187.8
105°	26.6	32.2	46.2	65.9	85.5	96.7	106.5	127.5	148.5	169.6	187.8
107.5°	32.2	36.4	50.4	68.7	88.3	98.1	107.9	128.9	149.9	169.6	187.8
110°	39.2	42.0	54.7	71.5	89.7	100.9	110.7	130.3	149.9	169.6	187.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	46.2	46.2	58.9	74.3	92.5	102.3	112.1	131.7	151.3	169.6	187.8
115°	51.8	53.3	63.1	77.1	95.3	105.1	113.5	131.7	151.3	169.6	186.4
117.5°	58.9	58.9	68.7	79.9	96.7	106.5	116.3	133.1	151.3	168.2	185.0
120°	65.9	64.5	72.9	84.1	99.5	107.9	117.7	134.5	151.3	168.2	183.6
122.5°	72.9	70.1	75.7	86.9	100.9	110.7	117.7	134.5	151.3	166.8	182.2
125°	78.5	75.7	79.9	91.1	103.7	112.1	119.1	134.5	151.3	165.4	180.8
127.5°	84.1	81.3	85.5	93.9	105.1	112.1	120.5	134.5	151.3	164.0	178.0
130°	89.7	85.5	91.1	96.7	107.9	113.5	120.5	134.5	149.9	162.6	175.2
132.5°	93.9	89.7	95.3	99.5	109.3	114.9	121.9	134.5	148.5	161.2	173.8
135°	96.7	92.5	99.5	102.3	112.1	117.7	123.3	134.5	147.1	159.8	171.0
137.5°	99.5	93.9	102.3	105.1	113.5	119.1	123.3	133.1	145.7	156.9	168.2
140°	100.9	96.7	105.1	107.9	112.1	117.7	123.3	131.7	142.9	154.1	164.0
142.5°	102.3	96.7	106.5	109.3	112.1	116.3	121.9	128.9	140.1	149.9	159.8
145°	102.3	98.1	106.5	109.3	112.1	114.9	119.1	127.5	135.9	144.3	154.1
147.5°	102.3	99.5	107.9	110.7	113.5	113.5	116.3	124.7	131.7	140.1	148.5
150°	103.7	99.5	107.9	110.7	114.9	114.9	116.3	120.5	128.9	134.5	141.5
152.5°	102.3	100.9	106.5	112.1	114.9	116.3	116.3	117.7	124.7	130.3	135.9
155°	103.7	103.7	107.9	114.9	116.3	116.3	117.7	116.3	119.1	124.7	130.3
157.5°	106.5	109.3	109.3	116.3	119.1	119.1	120.5	119.1	117.7	119.1	124.7
160°	110.7	113.5	113.5	117.7	121.9	121.9	123.3	121.9	120.5	119.1	119.1
162.5°	114.9	117.7	117.7	119.1	123.3	124.7	126.1	124.7	123.3	120.5	119.1
165°	119.1	121.9	121.9	121.9	124.7	126.1	127.5	126.1	126.1	123.3	121.9
167.5°	123.3	126.1	126.1	124.7	126.1	127.5	128.9	127.5	127.5	126.1	123.3
170°	127.5	130.3	130.3	127.5	128.9	128.9	130.3	128.9	128.9	126.1	124.7
172.5°	130.3	133.1	131.7	130.3	130.3	130.3	130.3	128.9	127.5	124.7	124.7
175°	131.7	134.5	134.5	131.7	130.3	130.3	131.7	128.9	127.5	126.1	123.3
177.5°	131.7	134.5	134.5	131.7	131.7	130.3	131.7	130.3	130.3	127.5	124.7
180°	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5	1534.5
2.5°	1528.9	1527.5	1519.0	1528.9	1528.9	1526.1	1537.3	1535.9	1534.5	1531.7
5°	1523.3	1521.9	1513.4	1523.3	1523.3	1521.9	1533.1	1534.5	1535.9	1533.1
7.5°	1514.8	1513.4	1505.0	1514.8	1514.8	1513.4	1526.1	1527.5	1528.9	1524.7
10°	1502.2	1500.8	1492.4	1502.2	1503.6	1502.2	1512.0	1513.4	1516.2	1510.6
12.5°	1485.4	1485.4	1477.0	1486.8	1488.2	1486.8	1496.6	1499.4	1502.2	1495.2
15°	1464.4	1465.8	1458.8	1468.6	1470.0	1470.0	1479.8	1481.2	1485.4	1475.6
17.5°	1439.2	1442.0	1436.4	1446.2	1447.6	1449.0	1454.6	1458.8	1463.0	1451.8
20°	1412.5	1413.9	1409.7	1418.2	1421.0	1419.6	1426.6	1432.2	1436.4	1425.2
22.5°	1380.3	1381.7	1377.5	1385.9	1388.7	1390.1	1395.7	1402.7	1405.5	1395.7
25°	1343.9	1349.5	1346.7	1355.1	1357.9	1357.9	1363.5	1370.5	1374.7	1360.7
27.5°	1308.8	1315.9	1313.1	1321.5	1324.3	1325.7	1328.5	1336.9	1341.1	1328.5
30°	1269.6	1278.0	1276.6	1285.0	1287.8	1286.4	1292.0	1300.4	1306.0	1292.0
32.5°	1226.2	1237.4	1236.0	1247.2	1250.0	1251.4	1255.6	1266.8	1272.4	1259.8
35°	1184.1	1196.7	1198.1	1210.8	1215.0	1216.4	1222.0	1233.2	1238.8	1226.2
37.5°	1140.7	1157.5	1161.7	1174.3	1178.5	1179.9	1185.5	1198.1	1203.7	1191.1
40°	1098.6	1118.3	1123.9	1135.1	1139.3	1143.5	1147.7	1160.3	1167.3	1154.7
42.5°	1056.6	1077.6	1084.6	1095.8	1100.0	1104.3	1109.9	1123.9	1129.5	1118.3
45°	1013.2	1035.6	1044.0	1055.2	1060.8	1065.0	1070.6	1083.2	1090.2	1079.0
47.5°	969.7	992.1	1000.6	1013.2	1018.8	1024.4	1028.6	1044.0	1051.0	1039.8
50°	923.5	948.7	958.5	969.7	978.1	982.3	987.9	1002.0	1009.0	999.2
52.5°	877.2	903.9	915.1	926.3	934.7	941.7	944.5	959.9	966.9	957.1
55°	829.6	856.2	868.8	881.4	889.8	898.3	901.1	916.5	923.5	909.5
57.5°	781.9	810.0	822.6	836.6	843.6	853.4	857.6	871.6	878.6	868.8
60°	734.3	760.9	776.3	789.0	798.8	807.2	810.0	825.4	832.4	819.8
62.5°	685.3	713.3	728.7	742.7	751.1	760.9	765.1	779.1	784.7	772.1
65°	634.8	662.8	679.6	692.3	703.5	711.9	714.7	730.1	735.7	723.1
67.5°	584.4	612.4	630.6	644.6	654.4	664.2	667.0	682.5	688.1	678.2
70°	535.3	563.3	581.6	598.4	605.4	615.2	619.4	633.4	639.0	630.6
72.5°	486.3	514.3	533.9	550.7	557.7	567.5	573.1	584.4	592.8	585.8
75°	438.6	466.6	486.3	503.1	510.1	519.9	525.5	536.7	542.3	536.7
77.5°	392.4	420.4	438.6	455.4	463.8	472.3	477.9	489.1	496.1	490.5
80°	347.5	375.6	393.8	409.2	417.6	426.0	431.6	444.2	449.8	445.6
82.5°	305.5	332.1	351.7	367.1	375.6	384.0	389.6	400.8	407.8	402.2
85°	267.7	294.3	312.5	327.9	334.9	343.3	348.9	360.1	365.7	362.9
87.5°	231.2	255.0	276.1	291.5	298.5	306.9	313.9	322.3	329.3	325.1
90°	203.2	224.2	243.8	259.2	267.7	276.1	284.5	292.9	298.5	295.7
92.5°	204.6	224.2	242.4	256.4	264.9	273.3	281.7	291.5	295.7	292.9
95°	204.6	224.2	242.4	256.4	264.9	273.3	281.7	291.5	295.7	292.9
97.5°	204.6	224.2	242.4	256.4	264.9	273.3	281.7	291.5	295.7	291.5
100°	204.6	224.2	242.4	256.4	264.9	271.9	280.3	290.1	294.3	291.5
102.5°	204.6	224.2	241.0	255.0	263.5	270.5	278.9	288.7	292.9	290.1
105°	204.6	222.8	241.0	253.6	262.0	269.1	277.5	285.9	290.1	287.3
107.5°	203.2	221.4	238.2	252.2	259.2	266.3	274.7	283.1	287.3	284.5
110°	203.2	220.0	236.8	249.4	256.4	263.5	271.9	280.3	284.5	281.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	201.8	218.6	235.4	246.6	253.6	260.6	267.7	277.5	281.7	278.9
115°	200.4	217.2	232.6	243.8	250.8	256.4	264.9	274.7	277.5	276.1
117.5°	199.0	214.4	229.8	241.0	248.0	253.6	260.6	269.1	273.3	271.9
120°	197.6	211.6	227.0	236.8	243.8	249.4	255.0	263.5	267.7	264.9
122.5°	194.8	208.8	224.2	234.0	239.6	245.2	250.8	257.8	262.0	260.6
125°	192.0	206.0	220.0	229.8	235.4	239.6	245.2	252.2	255.0	253.6
127.5°	189.2	203.2	215.8	224.2	231.2	235.4	239.6	246.6	249.4	248.0
130°	186.4	199.0	211.6	220.0	225.6	229.8	234.0	241.0	242.4	242.4
132.5°	183.6	194.8	207.4	215.8	221.4	224.2	228.4	234.0	236.8	235.4
135°	180.8	190.6	203.2	210.2	214.4	218.6	222.8	228.4	229.8	229.8
137.5°	176.6	186.4	197.6	204.6	208.8	211.6	215.8	221.4	222.8	222.8
140°	172.4	182.2	192.0	197.6	203.2	206.0	208.8	214.4	215.8	215.8
142.5°	168.2	176.6	186.4	192.0	197.6	199.0	203.2	207.4	208.8	208.8
145°	162.6	172.4	180.8	186.4	190.6	192.0	196.2	200.4	200.4	201.8
147.5°	155.5	164.0	175.2	179.4	183.6	185.0	189.2	192.0	193.4	193.4
150°	148.5	156.9	166.8	173.8	178.0	179.4	180.8	185.0	185.0	186.4
152.5°	141.5	148.5	158.4	165.4	171.0	172.4	173.8	176.6	176.6	178.0
155°	134.5	140.1	148.5	155.5	161.2	164.0	166.8	169.6	169.6	171.0
157.5°	128.9	134.5	141.5	147.1	151.3	155.5	159.8	162.6	162.6	162.6
160°	121.9	126.1	133.1	137.3	142.9	145.7	152.7	155.5	155.5	156.9
162.5°	117.7	119.1	123.3	127.5	131.7	134.5	141.5	148.5	148.5	149.9
165°	119.1	117.7	119.1	120.5	123.3	124.7	128.9	138.7	141.5	142.9
167.5°	121.9	117.7	117.7	117.7	120.5	120.5	124.7	130.3	140.1	137.3
170°	121.9	117.7	114.9	114.9	116.3	114.9	117.7	121.9	127.5	133.1
172.5°	123.3	119.1	114.9	109.3	110.7	109.3	106.5	106.5	107.9	126.1
175°	121.9	119.1	113.5	106.5	105.1	100.9	92.5	85.5	81.3	63.1
177.5°	120.5	116.3	112.1	106.5	103.7	99.5	89.7	78.5	67.3	64.5
180°	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9	114.9

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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	13.60	14.92	14.21	15.55	16.27	16.22	17.54	16.84	18.18	18.90
	3H	15.00	16.20	15.63	16.84	17.60	18.69	19.89	19.31	20.53	21.29
	4H	15.43	16.56	16.07	17.22	17.99	19.85	20.99	20.50	21.65	22.42
	6H	15.66	16.72	16.32	17.39	18.17	21.03	22.09	21.70	22.76	23.54
	8H	15.71	16.72	16.38	17.40	18.19	21.63	22.64	22.30	23.32	24.11
	12H	15.72	16.68	16.39	17.37	18.18	22.26	23.23	22.94	23.91	24.73
4H	2H	14.50	15.64	15.15	16.29	17.06	16.57	17.71	17.22	18.36	19.13
	3H	16.12	17.09	16.78	17.78	18.57	19.23	20.20	19.89	20.89	21.68
	4H	16.67	17.56	17.35	18.26	19.07	20.55	21.43	21.23	22.13	22.95
	6H	17.01	17.79	17.71	18.51	19.34	21.90	22.68	22.60	23.40	24.23
	8H	17.09	17.82	17.79	18.54	19.38	22.59	23.32	23.29	24.04	24.88
	12H	17.12	17.78	17.84	18.52	19.37	23.34	24.00	24.07	24.75	25.59
8H	4H	17.34	18.07	18.04	18.79	19.63	20.70	21.43	21.40	22.15	22.99
	6H	17.84	18.46	18.57	19.22	20.06	22.19	22.81	22.92	23.57	24.41
	8H	18.00	18.55	18.74	19.31	20.17	23.00	23.56	23.74	24.32	25.17
	12H	18.09	18.58	18.83	19.33	20.25	23.91	24.40	24.66	25.16	26.07
12H	4H	17.51	18.17	18.23	18.92	19.76	20.69	21.35	21.41	22.09	22.94
	6H	18.11	18.66	18.85	19.43	20.28	22.21	22.76	22.95	23.52	24.38
	8H	18.34	18.84	19.09	19.59	20.50	23.07	23.56	23.82	24.31	25.23