

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: P895157

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895157
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-6SL-RNDU-UNV-L830
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

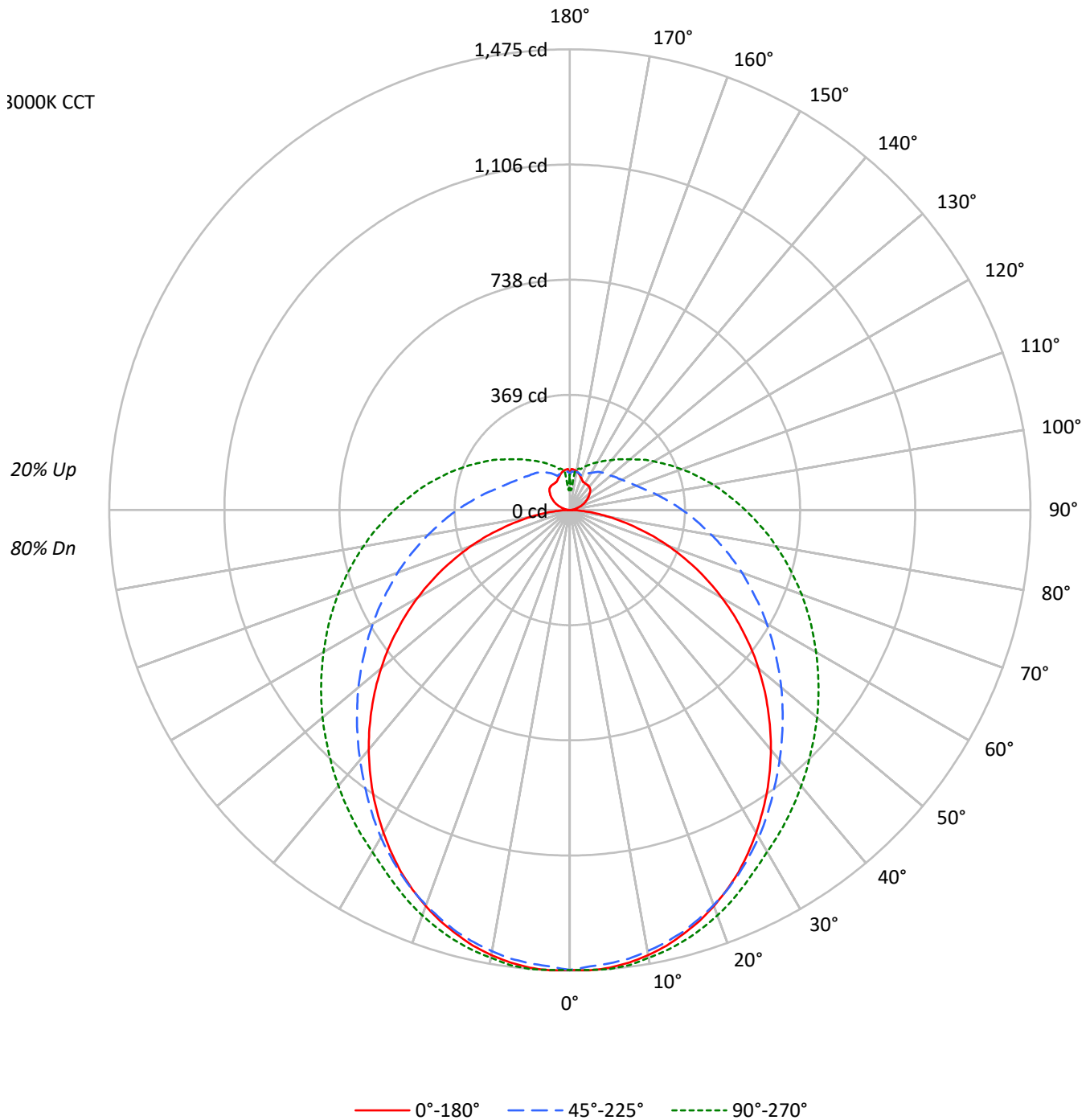
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193.0 lumens
Efficiency: N/A
Efficacy: 146.8 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): 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
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°	5224	5224	5224
5°	5227	5011	5014
10°	5190	4823	4782
15°	5126	4632	4568
20°	5046	4429	4348
25°	4947	4224	4128
30°	4818	4018	3933
35°	4684	3804	3789
40°	4540	3611	3658
45°	4384	3440	3542
50°	4222	3289	3453
55°	4036	3149	3374
60°	3824	3035	3315
65°	3564	2936	3283
70°	3241	2879	3271
75°	2801	2841	3286
80°	2269	2852	3338
85°	1580	2943	3447

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4384 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.3	2.2
10°-20°	397.2	6.4
20°-30°	596.4	9.6
30°-40°	717.1	11.6
40°-50°	759.8	12.3
50°-60°	731.7	11.8
60°-70°	647.6	10.5
70°-80°	531.2	8.6
80°-90°	412.2	6.7
90°-100°	319.9	5.2
100°-110°	253.5	4.1
110°-120°	201.9	3.3
120°-130°	160.4	2.6
130°-140°	125.3	2.0
140°-150°	92.2	1.5
150°-160°	61.0	1.0
160°-170°	35.1	0.6
170°-180°	11.3	0.2
0°-30°	1132.9	18.3
0°-40°	1850.1	29.9
0°-60°	3341.6	54.0
0°-90°	4932.5	79.6
90°-120°	775.3	12.5
90°-150°	1153.1	18.6
90°-180°	1260.0	20.3
0°-180°	6193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1472	1472	1472	1472	1472	
5°	1471	1472	1457	1468	1475	140
15°	1405	1407	1398	1419	1426	396
25°	1279	1283	1283	1316	1324	588
35°	1101	1115	1128	1187	1210	688
45°	897	918	964	1055	1093	692
55°	677	710	804	923	972	605
65°	448	510	654	792	850	444
75°	224	336	521	668	730	240
85°	50	203	408	556	615	58
90°	1	160	360	504	562	4
95°	7	132	318	455	511	7
105°	25	106	251	373	422	27
115°	50	102	209	304	345	49
125°	73	106	182	251	282	65
135°	92	114	164	210	230	71
145°	98	112	148	181	192	62
155°	100	116	128	154	162	47
165°	118	125	120	120	136	33
175°	130	129	123	102	69	12
180°	114	114	114	114	114	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4
2.5°	1475.2	1473.8	1476.6	1479.4	1487.8	1476.6	1482.2	1466.8	1468.2	1469.6	1462.6
5°	1471.0	1466.8	1471.0	1473.8	1480.8	1472.4	1478.0	1461.2	1462.6	1465.4	1457.0
7.5°	1461.2	1457.0	1459.8	1462.6	1469.6	1461.2	1468.2	1451.4	1454.2	1455.6	1448.6
10°	1447.2	1441.6	1444.4	1448.6	1454.2	1447.2	1452.8	1437.4	1438.8	1441.6	1434.6
12.5°	1429.0	1423.4	1426.2	1429.0	1436.0	1429.0	1434.6	1419.2	1422.0	1424.8	1417.8
15°	1405.2	1399.5	1402.3	1405.2	1410.8	1406.6	1412.2	1396.7	1399.5	1405.2	1398.1
17.5°	1379.9	1371.5	1374.3	1378.5	1384.1	1381.3	1385.5	1372.9	1374.3	1379.9	1372.9
20°	1349.1	1340.7	1343.5	1347.7	1353.3	1351.9	1354.7	1343.5	1346.3	1353.3	1346.3
22.5°	1315.5	1307.1	1309.9	1315.5	1319.7	1319.7	1321.1	1312.7	1315.5	1322.5	1316.9
25°	1279.1	1270.7	1273.5	1279.1	1283.3	1283.3	1286.1	1277.7	1281.9	1288.9	1283.3
27.5°	1237.0	1232.8	1232.8	1238.4	1241.2	1244.0	1245.4	1238.4	1244.0	1251.0	1246.8
30°	1193.6	1188.0	1190.8	1197.8	1197.8	1203.4	1203.4	1197.8	1204.8	1213.2	1210.4
32.5°	1147.4	1143.2	1144.6	1153.0	1153.0	1160.0	1158.6	1155.8	1162.8	1172.6	1169.8
35°	1101.1	1096.9	1098.3	1106.7	1106.7	1115.2	1112.4	1112.4	1119.4	1130.6	1127.8
37.5°	1052.1	1049.3	1050.7	1059.1	1059.1	1067.5	1064.7	1066.1	1074.5	1087.1	1085.7
40°	1001.7	998.9	1001.7	1008.7	1011.5	1018.5	1015.7	1018.5	1029.7	1040.9	1045.1
42.5°	949.8	948.4	951.2	958.2	961.0	968.1	966.7	970.9	982.1	998.9	1004.5
45°	896.6	896.6	899.4	906.4	909.2	917.6	916.2	921.8	935.8	954.0	963.9
47.5°	843.4	844.8	846.2	854.6	854.6	868.6	864.4	872.8	891.0	912.0	923.2
50°	788.7	791.5	792.9	799.9	802.7	815.4	812.5	826.6	846.2	868.6	884.0
52.5°	734.1	736.9	739.7	745.3	748.1	763.5	760.7	778.9	802.7	826.6	843.4
55°	676.7	682.3	683.7	690.7	694.9	710.3	710.3	731.3	756.5	783.1	804.1
57.5°	620.6	626.2	627.6	636.0	641.6	659.8	662.6	686.5	714.5	741.1	766.3
60°	563.2	570.2	571.6	580.0	589.8	609.4	613.6	640.2	671.1	699.1	728.5
62.5°	505.7	512.7	515.5	524.0	539.4	559.0	566.0	596.8	629.0	659.8	692.1
65°	448.3	455.3	459.5	470.7	488.9	509.9	519.8	552.0	588.4	620.6	654.2
67.5°	390.9	399.3	404.9	418.9	442.7	465.1	474.9	511.3	549.2	584.2	619.2
70°	334.8	343.2	350.2	368.4	396.5	418.9	431.5	470.7	509.9	547.8	587.0
72.5°	280.2	288.6	298.4	320.8	351.6	376.9	390.9	431.5	474.9	512.7	553.4
75°	224.2	234.0	245.2	276.0	311.0	336.2	351.6	395.1	439.9	477.7	521.2
77.5°	173.7	183.5	200.3	231.2	270.4	298.4	315.2	361.4	407.7	445.5	490.3
80°	127.5	137.3	159.7	193.3	234.0	260.6	281.6	329.2	376.9	416.1	460.9
82.5°	86.9	96.7	123.3	159.7	203.1	229.8	249.4	299.8	347.4	388.1	432.9
85°	50.4	64.4	92.5	131.7	176.5	203.1	222.8	274.6	320.8	361.4	407.7
87.5°	22.4	39.2	70.0	109.3	154.1	179.3	200.3	248.0	297.0	337.6	383.9
90°	1.4	22.4	54.6	92.5	135.9	159.7	179.3	227.0	273.2	315.2	360.0
92.5°	2.8	15.4	44.8	79.9	120.5	144.3	163.9	208.7	252.2	295.6	339.0
95°	7.0	15.4	39.2	71.4	109.3	131.7	149.9	193.3	234.0	276.0	318.0
97.5°	11.2	16.8	37.8	67.2	100.9	121.9	138.7	179.3	219.9	257.8	299.8
100°	15.4	21.0	37.8	64.4	95.3	114.9	130.3	168.1	205.9	241.0	283.0
102.5°	19.6	25.2	40.6	64.4	92.5	109.3	124.7	159.7	194.7	227.0	266.2
105°	25.2	29.4	43.4	64.4	89.7	106.5	119.1	151.3	184.9	215.7	250.8
107.5°	30.8	33.6	46.2	65.8	89.7	103.7	116.3	145.7	176.5	204.5	238.2
110°	37.8	39.2	50.4	68.6	89.7	102.3	113.5	141.5	169.5	196.1	227.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	43.4	43.4	54.6	71.4	89.7	102.3	112.1	137.3	163.9	187.7	217.1
115°	50.4	50.4	58.8	74.3	91.1	102.3	112.1	135.9	159.7	180.7	208.7
117.5°	56.0	56.0	64.4	77.1	93.9	103.7	112.1	133.1	155.5	175.1	200.3
120°	61.6	61.6	67.2	79.9	95.3	105.1	112.1	131.7	151.3	170.9	193.3
122.5°	67.2	67.2	71.4	84.1	96.7	105.1	112.1	130.3	148.5	165.3	186.3
125°	72.8	72.8	75.7	86.9	99.5	106.5	113.5	130.3	147.1	161.1	182.1
127.5°	78.5	77.1	81.3	91.1	100.9	107.9	114.9	130.3	144.3	158.3	176.5
130°	82.7	81.3	86.9	93.9	103.7	109.3	114.9	128.9	142.9	155.5	170.9
132.5°	88.3	85.5	92.5	95.3	106.5	112.1	116.3	128.9	141.5	152.7	168.1
135°	92.5	89.7	96.7	99.5	107.9	113.5	117.7	128.9	140.1	151.3	163.9
137.5°	95.3	93.9	100.9	103.7	109.3	114.9	119.1	128.9	138.7	148.5	161.1
140°	96.7	95.3	100.9	106.5	109.3	114.9	117.7	127.5	137.3	145.7	156.9
142.5°	98.1	98.1	102.3	107.9	109.3	113.5	117.7	126.1	134.5	141.5	154.1
145°	98.1	98.1	102.3	109.3	110.7	112.1	114.9	123.3	130.3	137.3	148.5
147.5°	98.1	98.1	103.7	109.3	112.1	113.5	112.1	120.5	127.5	133.1	142.9
150°	98.1	98.1	103.7	109.3	113.5	114.9	113.5	117.7	123.3	128.9	137.3
152.5°	99.5	99.5	103.7	109.3	113.5	114.9	114.9	114.9	119.1	124.7	133.1
155°	99.5	100.9	103.7	112.1	114.9	116.3	116.3	116.3	114.9	120.5	127.5
157.5°	103.7	105.1	106.5	113.5	116.3	117.7	117.7	117.7	116.3	114.9	121.9
160°	107.9	109.3	110.7	116.3	119.1	120.5	120.5	120.5	117.7	116.3	116.3
162.5°	112.1	114.9	114.9	117.7	120.5	121.9	121.9	123.3	120.5	119.1	117.7
165°	117.7	119.1	119.1	120.5	123.3	124.7	123.3	124.7	123.3	121.9	120.5
167.5°	121.9	123.3	123.3	124.7	124.7	126.1	126.1	126.1	124.7	123.3	123.3
170°	126.1	127.5	127.5	127.5	127.5	127.5	127.5	127.5	126.1	123.3	123.3
172.5°	128.9	130.3	130.3	128.9	128.9	128.9	128.9	127.5	124.7	123.3	123.3
175°	130.3	131.7	131.7	130.3	128.9	128.9	128.9	127.5	124.7	123.3	123.3
177.5°	131.7	133.1	131.7	131.7	128.9	128.9	128.9	128.9	126.1	124.7	123.3
180°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4	1472.4
2.5°	1471.0	1454.2	1465.4	1466.8	1472.4	1466.8	1471.0	1466.8	1478.0	1473.8
5°	1465.4	1450.0	1459.8	1461.2	1468.2	1461.2	1468.2	1465.4	1479.4	1475.2
7.5°	1455.6	1443.0	1451.4	1452.8	1461.2	1454.2	1461.2	1458.4	1475.2	1469.6
10°	1441.6	1431.8	1440.2	1441.6	1450.0	1443.0	1448.6	1445.8	1464.0	1455.6
12.5°	1426.2	1417.8	1424.8	1426.2	1436.0	1429.0	1436.0	1433.2	1451.4	1443.0
15°	1403.7	1399.5	1406.6	1409.4	1419.2	1413.6	1420.6	1417.8	1437.4	1426.2
17.5°	1381.3	1378.5	1385.5	1388.3	1399.5	1392.5	1399.5	1396.7	1416.4	1405.2
20°	1353.3	1351.9	1358.9	1363.1	1372.9	1365.9	1374.3	1371.5	1392.5	1381.3
22.5°	1323.9	1323.9	1329.5	1333.7	1343.5	1337.9	1346.3	1344.9	1365.9	1354.7
25°	1291.7	1293.1	1298.7	1304.3	1315.5	1311.3	1318.3	1318.3	1337.9	1323.9
27.5°	1255.2	1262.3	1266.5	1273.5	1283.3	1279.1	1286.1	1287.5	1307.1	1293.1
30°	1217.4	1227.2	1231.4	1239.8	1248.2	1248.2	1255.2	1258.1	1277.7	1263.7
32.5°	1178.2	1189.4	1195.0	1206.2	1217.4	1217.4	1227.2	1231.4	1251.0	1238.4
35°	1139.0	1154.4	1161.4	1175.4	1186.6	1188.0	1197.8	1203.4	1223.0	1210.4
37.5°	1101.1	1120.8	1127.8	1144.6	1154.4	1157.2	1168.4	1175.4	1193.6	1182.4
40°	1061.9	1085.7	1094.1	1112.4	1120.8	1126.4	1137.6	1146.0	1162.8	1153.0
42.5°	1024.1	1050.7	1059.1	1078.7	1088.5	1094.1	1105.3	1116.6	1133.4	1123.6
45°	986.3	1015.7	1025.5	1046.5	1054.9	1063.3	1075.9	1085.7	1101.1	1092.7
47.5°	949.8	980.7	990.5	1012.9	1022.7	1032.5	1043.7	1057.7	1071.7	1063.3
50°	912.0	944.2	956.8	980.7	989.1	1000.3	1014.3	1026.9	1040.9	1033.9
52.5°	875.6	909.2	921.8	947.0	956.8	968.1	982.1	996.1	1008.7	1003.1
55°	836.4	872.8	886.8	913.4	923.2	934.4	949.8	965.3	976.5	972.3
57.5°	799.9	837.8	851.8	881.2	889.6	903.6	919.0	935.8	945.6	941.4
60°	763.5	801.3	818.2	847.6	857.4	871.4	886.8	905.0	913.4	910.6
62.5°	727.1	766.3	784.5	815.4	823.8	839.2	857.4	872.8	881.2	879.8
65°	693.5	731.3	752.3	783.1	791.5	808.3	825.2	842.0	850.4	850.4
67.5°	658.4	699.1	720.1	752.3	759.3	777.5	795.7	812.5	819.6	819.6
70°	626.2	665.4	689.3	721.5	728.5	745.3	764.9	783.1	788.7	790.1
72.5°	594.0	633.2	658.4	692.1	699.1	715.9	734.1	753.7	757.9	759.3
75°	563.2	602.4	627.6	661.2	668.3	685.1	704.7	722.9	728.5	729.9
77.5°	532.4	571.6	599.6	631.8	638.8	655.6	675.3	693.5	697.7	700.5
80°	504.3	542.2	568.8	603.8	610.8	627.6	645.8	664.0	666.9	671.1
82.5°	476.3	514.1	542.2	575.8	582.8	599.6	617.8	636.0	638.8	644.4
85°	449.7	487.5	515.5	547.8	556.2	571.6	591.2	608.0	610.8	615.0
87.5°	425.9	460.9	490.3	521.2	529.6	545.0	564.6	581.4	582.8	588.4
90°	400.7	435.7	465.1	495.9	504.3	518.4	538.0	554.8	557.6	561.8
92.5°	379.7	411.9	442.7	472.1	479.1	494.5	512.7	529.6	532.4	536.6
95°	357.2	389.5	420.3	448.3	455.3	470.7	487.5	504.3	507.1	511.3
97.5°	337.6	368.4	397.9	425.9	432.9	446.9	465.1	480.5	483.3	488.9
100°	319.4	348.8	379.7	404.9	411.9	425.9	442.7	458.1	460.9	466.5
102.5°	302.6	330.6	360.0	383.9	392.3	404.9	421.7	435.7	438.5	442.7
105°	287.2	313.8	341.8	364.2	372.7	385.3	400.7	414.7	417.5	421.7
107.5°	271.8	297.0	323.6	346.0	353.0	364.2	379.7	393.7	396.5	402.1
110°	257.8	283.0	308.2	329.2	337.6	346.0	361.4	374.1	376.9	381.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	245.2	267.6	292.8	312.4	319.4	329.2	341.8	354.4	357.2	362.8
115°	234.0	255.0	280.2	298.4	304.0	312.4	326.4	337.6	340.4	344.6
117.5°	224.2	242.4	264.8	283.0	290.0	297.0	309.6	319.4	323.6	326.4
120°	215.7	232.6	252.2	269.0	277.4	283.0	294.2	304.0	308.2	311.0
122.5°	207.3	222.8	241.0	256.4	263.4	267.6	280.2	288.6	292.8	297.0
125°	200.3	214.3	231.2	243.8	250.8	255.0	266.2	274.6	278.8	281.6
127.5°	193.3	205.9	222.8	232.6	239.6	242.4	252.2	260.6	264.8	266.2
130°	186.3	198.9	212.9	222.8	228.4	232.6	241.0	246.6	250.8	252.2
132.5°	180.7	191.9	204.5	214.3	219.9	221.3	229.8	235.4	239.6	241.0
135°	176.5	184.9	197.5	205.9	210.1	212.9	219.9	224.2	228.4	229.8
137.5°	170.9	179.3	190.5	196.1	201.7	203.1	210.1	214.3	218.5	219.9
140°	166.7	173.7	183.5	189.1	194.7	194.7	200.3	204.5	208.7	208.7
142.5°	162.5	169.5	177.9	183.5	187.7	187.7	193.3	196.1	200.3	200.3
145°	156.9	163.9	172.3	176.5	180.7	180.7	184.9	187.7	191.9	191.9
147.5°	151.3	158.3	166.7	169.5	173.7	173.7	177.9	180.7	183.5	183.5
150°	144.3	149.9	159.7	163.9	168.1	168.1	170.9	173.7	176.5	176.5
152.5°	138.7	142.9	151.3	156.9	161.1	161.1	163.9	166.7	169.5	169.5
155°	131.7	135.9	142.9	149.9	154.1	155.5	158.3	159.7	162.5	162.5
157.5°	126.1	130.3	135.9	141.5	145.7	148.5	152.7	154.1	155.5	155.5
160°	119.1	121.9	127.5	133.1	137.3	140.1	147.1	148.5	149.9	149.9
162.5°	116.3	116.3	119.1	123.3	127.5	128.9	135.9	141.5	144.3	142.9
165°	117.7	116.3	116.3	117.7	120.5	121.9	126.1	134.5	137.3	135.9
167.5°	120.5	117.7	116.3	116.3	119.1	119.1	123.3	130.3	138.7	135.9
170°	120.5	116.3	113.5	113.5	114.9	114.9	117.7	121.9	130.3	131.7
172.5°	119.1	116.3	112.1	106.5	107.9	106.5	105.1	107.9	109.3	123.3
175°	120.5	116.3	112.1	105.1	102.3	98.1	91.1	85.5	84.1	68.6
177.5°	119.1	114.9	109.3	103.7	100.9	95.3	86.9	77.1	71.4	63.0
180°	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5	113.5



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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	12.70	14.01	13.34	14.68	15.44	16.32	17.63	16.96	18.30	19.07
	3H	14.05	15.24	14.70	15.92	16.72	19.28	20.48	19.93	21.15	21.95
	4H	14.45	15.59	15.12	16.28	17.09	20.78	21.92	21.46	22.61	23.42
	6H	14.66	15.73	15.35	16.42	17.25	22.39	23.46	23.08	24.15	24.98
	8H	14.70	15.72	15.40	16.43	17.27	23.25	24.26	23.94	24.98	25.81
	12H	14.70	15.68	15.41	16.39	17.25	24.19	25.17	24.89	25.88	26.74
4H	2H	13.86	15.00	14.53	15.68	16.50	16.64	17.78	17.31	18.46	19.28
	3H	15.50	16.47	16.19	17.20	18.03	19.82	20.80	20.51	21.52	22.36
	4H	16.07	16.97	16.77	17.69	18.55	21.50	22.40	22.21	23.13	23.99
	6H	16.41	17.20	17.13	17.95	18.82	23.32	24.12	24.04	24.87	25.74
	8H	16.48	17.23	17.20	17.98	18.86	24.30	25.05	25.02	25.79	26.68
	12H	16.51	17.19	17.25	17.96	18.85	25.38	26.07	26.13	26.84	27.73
8H	4H	17.17	17.92	17.90	18.67	19.55	21.67	22.42	22.40	23.17	24.05
	6H	17.78	18.42	18.54	19.21	20.09	23.67	24.31	24.42	25.10	25.98
	8H	17.98	18.56	18.74	19.34	20.24	24.79	25.37	25.55	26.15	27.05
	12H	18.09	18.61	18.86	19.39	20.34	26.06	26.58	26.83	27.36	28.32
12H	4H	17.54	18.22	18.29	18.99	19.88	21.67	22.35	22.41	23.12	24.01
	6H	18.32	18.90	19.08	19.68	20.58	23.70	24.28	24.46	25.06	25.96
	8H	18.64	19.16	19.41	19.94	20.90	24.88	25.40	25.65	26.18	27.13