

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: P895116

Luminaire Tested: 8TMB-6SL-FLTU-UNV-L950

Issue Date: 11/11/2024

**Test Information**

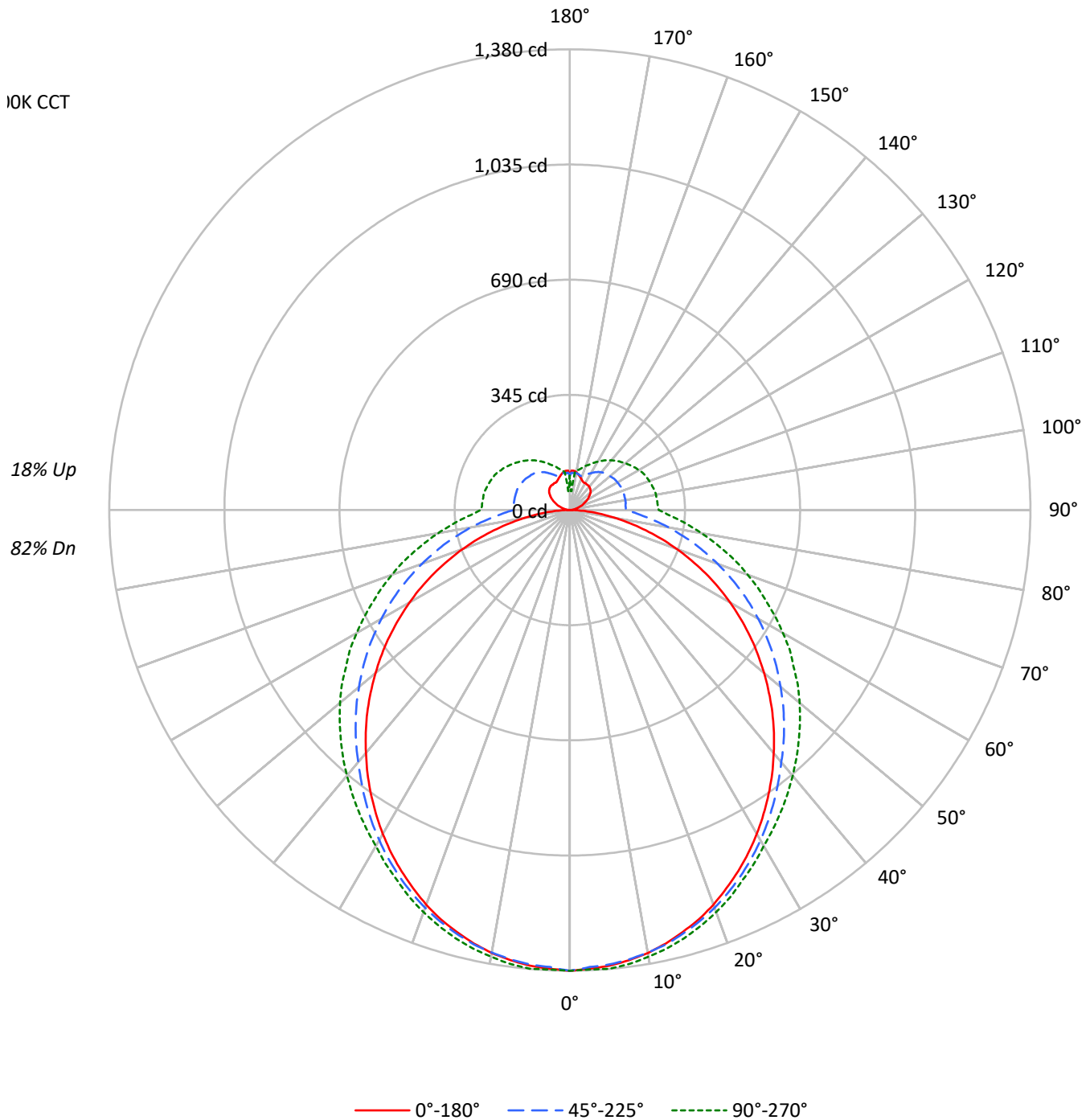
Test Method: LM-79-2019  
Report Number: P895116  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-6SL-FLTU-UNV-L950  
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 500  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5218.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 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<sub>in</sub>): 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

TEST NUMBER: P895116  
CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P895116  
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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°	4897	4897	4897
5°	4869	4700	4687
10°	4833	4526	4464
15°	4773	4351	4251
20°	4705	4172	4035
25°	4617	3983	3816
30°	4523	3790	3617
35°	4418	3597	3453
40°	4308	3406	3296
45°	4198	3239	3146
50°	4069	3067	3001
55°	3931	2897	2839
60°	3765	2715	2685
65°	3567	2523	2511
70°	3307	2312	2349
75°	2944	2096	2174
80°	2469	1864	1994
85°	1856	1629	1830

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4198 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.5	2.5
10°-20°	372.3	7.1
20°-30°	559.3	10.7
30°-40°	671.6	12.9
40°-50°	706.2	13.5
50°-60°	663.5	12.7
60°-70°	551.7	10.6
70°-80°	393.7	7.5
80°-90°	234.3	4.5
90°-100°	169.6	3.3
100°-110°	167.4	3.2
110°-120°	157.2	3.0
120°-130°	139.3	2.7
130°-140°	115.5	2.2
140°-150°	86.4	1.7
150°-160°	56.8	1.1
160°-170°	32.2	0.6
170°-180°	10.3	0.2
0°-30°	1062.1	20.4
0°-40°	1733.7	33.2
0°-60°	3103.4	59.5
0°-90°	4283.2	82.1
90°-120°	494.3	9.5
90°-150°	835.5	16.0
90°-180°	935.0	17.9
0°-180°	5218.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1370	1387	1366	1370	1379	130
15°	1308	1329	1313	1322	1327	369
25°	1194	1216	1210	1221	1224	550
35°	1039	1063	1066	1093	1103	650
45°	858	882	908	954	971	662
55°	659	686	740	800	818	589
65°	449	485	562	633	650	444
75°	236	289	384	459	483	250
85°	59	130	226	301	326	65
90°	0	74	168	241	266	4
95°	6	78	168	238	263	7
105°	24	87	169	236	258	26
115°	47	94	168	226	248	47
125°	71	101	163	212	228	63
135°	87	106	154	193	207	67
145°	92	103	139	171	182	58
155°	93	105	117	145	154	44
165°	107	113	110	111	129	30
175°	118	117	111	94	57	11
180°	103	103	103	103	103	



TEST NUMBER: P895116  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2
2.5°	1375.2	1379.0	1380.2	1392.9	1387.8	1392.9	1384.0	1373.9	1371.4	1377.7	1370.2
5°	1370.2	1373.9	1375.2	1387.8	1382.8	1386.6	1379.0	1368.9	1366.4	1373.9	1366.4
7.5°	1360.1	1363.9	1365.1	1379.0	1372.7	1377.7	1368.9	1358.8	1357.6	1365.1	1357.6
10°	1347.5	1351.3	1352.5	1365.1	1360.1	1365.1	1356.3	1346.2	1345.0	1353.8	1346.2
12.5°	1329.8	1333.6	1336.1	1348.7	1342.4	1348.7	1338.7	1328.6	1329.8	1337.4	1332.4
15°	1308.4	1313.4	1314.7	1327.3	1322.3	1328.6	1318.5	1308.4	1310.9	1318.5	1313.4
17.5°	1285.7	1290.8	1292.0	1303.4	1298.3	1305.9	1294.5	1285.7	1288.2	1295.8	1292.0
20°	1258.0	1263.0	1265.5	1276.9	1271.8	1279.4	1268.1	1260.5	1263.0	1271.8	1268.1
22.5°	1226.5	1234.0	1235.3	1247.9	1241.6	1249.2	1237.8	1231.5	1235.3	1244.1	1240.3
25°	1193.7	1201.3	1202.5	1215.1	1210.1	1216.4	1205.0	1198.7	1203.8	1212.6	1210.1
27.5°	1158.4	1166.0	1168.5	1179.8	1174.8	1182.4	1169.7	1166.0	1171.0	1179.8	1177.3
30°	1120.6	1128.1	1129.4	1140.8	1137.0	1144.5	1133.2	1128.1	1135.7	1144.5	1142.0
32.5°	1080.2	1087.8	1091.6	1101.7	1097.9	1104.2	1094.1	1091.6	1097.9	1106.7	1105.5
35°	1038.7	1046.2	1050.0	1061.3	1056.3	1062.6	1052.5	1050.0	1060.1	1066.4	1066.4
37.5°	995.8	1003.4	1007.1	1018.5	1012.2	1019.7	1009.7	1008.4	1019.7	1026.0	1026.0
40°	950.4	959.2	963.0	973.1	968.1	974.4	965.5	966.8	976.9	984.5	985.7
42.5°	905.0	913.9	917.6	929.0	922.7	929.0	921.4	922.7	934.0	941.6	947.9
45°	858.4	866.0	869.7	882.4	874.8	882.4	874.8	877.3	888.7	900.0	907.6
47.5°	809.2	816.8	823.1	833.2	826.9	833.2	828.1	831.9	845.8	857.1	867.2
50°	760.1	767.6	773.9	782.8	776.5	785.3	779.0	784.0	801.7	813.0	824.4
52.5°	709.7	716.0	726.0	731.1	726.0	736.1	731.1	738.7	756.3	770.2	782.8
55°	659.2	665.5	675.6	679.4	674.4	685.7	681.9	692.0	710.9	726.0	739.9
57.5°	607.6	613.9	622.7	626.5	622.7	635.3	634.0	645.4	664.3	680.7	695.8
60°	554.6	560.9	568.5	572.3	572.3	584.9	584.9	598.7	618.9	634.0	651.7
62.5°	502.9	506.7	514.3	519.3	523.1	535.7	535.7	550.8	572.3	589.9	607.6
65°	448.7	452.5	458.8	465.1	471.4	485.3	486.6	502.9	524.4	542.0	562.2
67.5°	394.5	398.3	404.6	412.2	421.0	434.9	437.4	455.0	477.7	497.9	516.8
70°	341.6	342.9	350.4	360.5	370.6	384.5	388.2	407.1	431.1	451.3	471.4
72.5°	288.7	289.9	297.5	310.1	321.4	336.6	341.6	361.8	385.7	405.9	426.0
75°	235.7	237.0	247.1	262.2	274.8	288.7	295.0	316.4	340.3	361.8	384.5
77.5°	185.3	187.8	197.9	213.0	228.2	244.5	250.8	272.3	298.7	318.9	340.3
80°	138.7	141.2	152.5	168.9	185.3	200.4	208.0	229.4	257.1	277.3	301.3
82.5°	95.8	99.6	113.4	131.1	147.5	163.9	171.4	191.6	216.8	239.5	262.2
85°	59.2	64.3	78.2	97.1	114.7	129.8	137.4	158.8	182.8	204.2	225.6
87.5°	27.7	35.3	49.2	68.1	87.0	99.6	108.4	129.8	152.5	173.9	195.4
90°	0.0	11.3	25.2	44.1	63.0	74.4	84.5	104.6	127.3	147.5	167.6
92.5°	2.5	12.6	27.7	45.4	64.3	75.6	85.7	105.9	127.3	147.5	167.6
95°	6.3	13.9	29.0	47.9	66.8	78.2	87.0	107.1	128.6	148.7	167.6
97.5°	11.3	17.6	32.8	50.4	69.3	79.4	89.5	109.7	129.8	150.0	168.9
100°	15.1	20.2	35.3	52.9	71.8	81.9	92.0	110.9	131.1	151.3	168.9
102.5°	18.9	25.2	39.1	55.5	74.4	84.5	93.3	112.2	132.4	151.3	168.9
105°	23.9	29.0	41.6	59.2	76.9	87.0	95.8	114.7	133.6	152.5	168.9
107.5°	29.0	32.8	45.4	61.8	79.4	88.2	97.1	116.0	134.9	152.5	168.9
110°	35.3	37.8	49.2	64.3	80.7	90.8	99.6	117.2	134.9	152.5	168.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	41.6	41.6	52.9	66.8	83.2	92.0	100.8	118.5	136.1	152.5	168.9
115°	46.6	47.9	56.7	69.3	85.7	94.5	102.1	118.5	136.1	152.5	167.6
117.5°	52.9	52.9	61.8	71.8	87.0	95.8	104.6	119.7	136.1	151.3	166.4
120°	59.2	58.0	65.5	75.6	89.5	97.1	105.9	121.0	136.1	151.3	165.1
122.5°	65.5	63.0	68.1	78.2	90.8	99.6	105.9	121.0	136.1	150.0	163.9
125°	70.6	68.1	71.8	81.9	93.3	100.8	107.1	121.0	136.1	148.7	162.6
127.5°	75.6	73.1	76.9	84.5	94.5	100.8	108.4	121.0	136.1	147.5	160.1
130°	80.7	76.9	81.9	87.0	97.1	102.1	108.4	121.0	134.9	146.2	157.6
132.5°	84.5	80.7	85.7	89.5	98.3	103.4	109.7	121.0	133.6	145.0	156.3
135°	87.0	83.2	89.5	92.0	100.8	105.9	110.9	121.0	132.4	143.7	153.8
137.5°	89.5	84.5	92.0	94.5	102.1	107.1	110.9	119.7	131.1	141.2	151.3
140°	90.8	87.0	94.5	97.1	100.8	105.9	110.9	118.5	128.6	138.7	147.5
142.5°	92.0	87.0	95.8	98.3	100.8	104.6	109.7	116.0	126.1	134.9	143.7
145°	92.0	88.2	95.8	98.3	100.8	103.4	107.1	114.7	122.3	129.8	138.7
147.5°	92.0	89.5	97.1	99.6	102.1	102.1	104.6	112.2	118.5	126.1	133.6
150°	93.3	89.5	97.1	99.6	103.4	103.4	104.6	108.4	116.0	121.0	127.3
152.5°	92.0	90.8	95.8	100.8	103.4	104.6	104.6	105.9	112.2	117.2	122.3
155°	93.3	93.3	97.1	103.4	104.6	104.6	105.9	104.6	107.1	112.2	117.2
157.5°	95.8	98.3	98.3	104.6	107.1	107.1	108.4	107.1	105.9	107.1	112.2
160°	99.6	102.1	102.1	105.9	109.7	109.7	110.9	109.7	108.4	107.1	107.1
162.5°	103.4	105.9	105.9	107.1	110.9	112.2	113.4	112.2	110.9	108.4	107.1
165°	107.1	109.7	109.7	109.7	112.2	113.4	114.7	113.4	113.4	110.9	109.7
167.5°	110.9	113.4	113.4	112.2	113.4	114.7	116.0	114.7	114.7	113.4	110.9
170°	114.7	117.2	117.2	114.7	116.0	116.0	117.2	116.0	116.0	113.4	112.2
172.5°	117.2	119.7	118.5	117.2	117.2	117.2	117.2	116.0	114.7	112.2	112.2
175°	118.5	121.0	121.0	118.5	117.2	117.2	118.5	116.0	114.7	113.4	110.9
177.5°	118.5	121.0	121.0	118.5	118.5	117.2	118.5	117.2	117.2	114.7	112.2
180°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2	1380.2
2.5°	1375.2	1373.9	1366.4	1375.2	1375.2	1372.7	1382.8	1381.5	1380.2	1377.7
5°	1370.2	1368.9	1361.3	1370.2	1370.2	1368.9	1379.0	1380.2	1381.5	1379.0
7.5°	1362.6	1361.3	1353.8	1362.6	1362.6	1361.3	1372.7	1373.9	1375.2	1371.4
10°	1351.3	1350.0	1342.4	1351.3	1352.5	1351.3	1360.1	1361.3	1363.9	1358.8
12.5°	1336.1	1336.1	1328.6	1337.4	1338.7	1337.4	1346.2	1348.7	1351.3	1345.0
15°	1317.2	1318.5	1312.2	1321.0	1322.3	1322.3	1331.1	1332.4	1336.1	1327.3
17.5°	1294.5	1297.1	1292.0	1300.8	1302.1	1303.4	1308.4	1312.2	1316.0	1305.9
20°	1270.6	1271.8	1268.1	1275.6	1278.1	1276.9	1283.2	1288.2	1292.0	1281.9
22.5°	1241.6	1242.9	1239.1	1246.6	1249.2	1250.4	1255.5	1261.8	1264.3	1255.5
25°	1208.8	1213.9	1211.3	1218.9	1221.4	1221.4	1226.5	1232.8	1236.6	1223.9
27.5°	1177.3	1183.6	1181.1	1188.7	1191.2	1192.4	1195.0	1202.5	1206.3	1195.0
30°	1142.0	1149.6	1148.3	1155.9	1158.4	1157.1	1162.2	1169.7	1174.8	1162.2
32.5°	1102.9	1113.0	1111.8	1121.8	1124.4	1125.6	1129.4	1139.5	1144.5	1133.2
35°	1065.1	1076.5	1077.7	1089.1	1092.9	1094.1	1099.2	1109.2	1114.3	1102.9
37.5°	1026.0	1041.2	1045.0	1056.3	1060.1	1061.3	1066.4	1077.7	1082.8	1071.4
40°	988.2	1005.9	1010.9	1021.0	1024.8	1028.6	1032.4	1043.7	1050.0	1038.7
42.5°	950.4	969.3	975.6	985.7	989.5	993.3	998.3	1010.9	1016.0	1005.9
45°	911.3	931.5	939.1	949.2	954.2	958.0	963.0	974.4	980.7	970.6
47.5°	872.3	892.4	900.0	911.3	916.4	921.4	925.2	939.1	945.4	935.3
50°	830.7	853.4	862.2	872.3	879.8	883.6	888.7	901.3	907.6	898.7
52.5°	789.1	813.0	823.1	833.2	840.8	847.1	849.6	863.4	869.7	860.9
55°	746.2	770.2	781.5	792.9	800.4	808.0	810.5	824.4	830.7	818.1
57.5°	703.4	728.6	739.9	752.5	758.8	767.6	771.4	784.0	790.3	781.5
60°	660.5	684.5	698.3	709.7	718.5	726.0	728.6	742.4	748.7	737.4
62.5°	616.4	641.6	655.5	668.1	675.6	684.5	688.2	700.8	705.9	694.5
65°	571.0	596.2	611.3	622.7	632.8	640.3	642.9	656.7	661.8	650.4
67.5°	525.6	550.8	567.2	579.8	588.7	597.5	600.0	613.9	618.9	610.1
70°	481.5	506.7	523.1	538.2	544.5	553.4	557.1	569.7	574.8	567.2
72.5°	437.4	462.6	480.3	495.4	501.7	510.5	515.5	525.6	533.2	526.9
75°	394.5	419.7	437.4	452.5	458.8	467.6	472.7	482.8	487.8	482.8
77.5°	352.9	378.2	394.5	409.7	417.2	424.8	429.8	439.9	446.2	441.2
80°	312.6	337.8	354.2	368.1	375.6	383.2	388.2	399.6	404.6	400.8
82.5°	274.8	298.7	316.4	330.3	337.8	345.4	350.4	360.5	366.8	361.8
85°	240.8	264.7	281.1	295.0	301.3	308.8	313.9	323.9	329.0	326.5
87.5°	208.0	229.4	248.3	262.2	268.5	276.0	282.4	289.9	296.2	292.4
90°	182.8	201.7	219.3	233.2	240.8	248.3	255.9	263.4	268.5	266.0
92.5°	184.0	201.7	218.1	230.7	238.2	245.8	253.4	262.2	266.0	263.4
95°	184.0	201.7	218.1	230.7	238.2	245.8	253.4	262.2	266.0	263.4
97.5°	184.0	201.7	218.1	230.7	238.2	245.8	253.4	262.2	266.0	262.2
100°	184.0	201.7	218.1	230.7	238.2	244.5	252.1	260.9	264.7	262.2
102.5°	184.0	201.7	216.8	229.4	237.0	243.3	250.8	259.7	263.4	260.9
105°	184.0	200.4	216.8	228.2	235.7	242.0	249.6	257.1	260.9	258.4
107.5°	182.8	199.2	214.3	226.9	233.2	239.5	247.1	254.6	258.4	255.9
110°	182.8	197.9	213.0	224.4	230.7	237.0	244.5	252.1	255.9	253.4





TEST NUMBER: P895116  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	181.5	196.6	211.8	221.8	228.2	234.5	240.8	249.6	253.4	250.8
115°	180.3	195.4	209.2	219.3	225.6	230.7	238.2	247.1	249.6	248.3
117.5°	179.0	192.9	206.7	216.8	223.1	228.2	234.5	242.0	245.8	244.5
120°	177.7	190.3	204.2	213.0	219.3	224.4	229.4	237.0	240.8	238.2
122.5°	175.2	187.8	201.7	210.5	215.5	220.6	225.6	231.9	235.7	234.5
125°	172.7	185.3	197.9	206.7	211.8	215.5	220.6	226.9	229.4	228.2
127.5°	170.2	182.8	194.1	201.7	208.0	211.8	215.5	221.8	224.4	223.1
130°	167.6	179.0	190.3	197.9	202.9	206.7	210.5	216.8	218.1	218.1
132.5°	165.1	175.2	186.6	194.1	199.2	201.7	205.5	210.5	213.0	211.8
135°	162.6	171.4	182.8	189.1	192.9	196.6	200.4	205.5	206.7	206.7
137.5°	158.8	167.6	177.7	184.0	187.8	190.3	194.1	199.2	200.4	200.4
140°	155.0	163.9	172.7	177.7	182.8	185.3	187.8	192.9	194.1	194.1
142.5°	151.3	158.8	167.6	172.7	177.7	179.0	182.8	186.6	187.8	187.8
145°	146.2	155.0	162.6	167.6	171.4	172.7	176.5	180.3	180.3	181.5
147.5°	139.9	147.5	157.6	161.3	165.1	166.4	170.2	172.7	173.9	173.9
150°	133.6	141.2	150.0	156.3	160.1	161.3	162.6	166.4	166.4	167.6
152.5°	127.3	133.6	142.4	148.7	153.8	155.0	156.3	158.8	158.8	160.1
155°	121.0	126.1	133.6	139.9	145.0	147.5	150.0	152.5	152.5	153.8
157.5°	116.0	121.0	127.3	132.4	136.1	139.9	143.7	146.2	146.2	146.2
160°	109.7	113.4	119.7	123.5	128.6	131.1	137.4	139.9	139.9	141.2
162.5°	105.9	107.1	110.9	114.7	118.5	121.0	127.3	133.6	133.6	134.9
165°	107.1	105.9	107.1	108.4	110.9	112.2	116.0	124.8	127.3	128.6
167.5°	109.7	105.9	105.9	105.9	108.4	108.4	112.2	117.2	126.1	123.5
170°	109.7	105.9	103.4	103.4	104.6	103.4	105.9	109.7	114.7	119.7
172.5°	110.9	107.1	103.4	98.3	99.6	98.3	95.8	95.8	97.1	113.4
175°	109.7	107.1	102.1	95.8	94.5	90.8	83.2	76.9	73.1	56.7
177.5°	108.4	104.6	100.8	95.8	93.3	89.5	80.7	70.6	60.5	58.0
180°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4



TEST NUMBER: P895116  
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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	13.23	14.55	13.84	15.18	15.90	15.86	17.18	16.47	17.81	18.53
	3H	14.63	15.83	15.26	16.47	17.23	18.32	19.52	18.95	20.16	20.92
	4H	15.06	16.20	15.71	16.85	17.62	19.49	20.62	20.13	21.28	22.05
	6H	15.29	16.35	15.96	17.02	17.80	20.67	21.72	21.33	22.39	23.17
	8H	15.34	16.35	16.01	17.04	17.82	21.26	22.27	21.93	22.96	23.74
	12H	15.35	16.32	16.03	17.00	17.81	21.89	22.86	22.57	23.54	24.36
4H	2H	14.13	15.27	14.78	15.92	16.69	16.20	17.34	16.85	17.99	18.76
	3H	15.75	16.72	16.42	17.41	18.20	18.86	19.83	19.53	20.52	21.31
	4H	16.31	17.19	16.99	17.89	18.71	20.18	21.07	20.86	21.76	22.58
	6H	16.64	17.42	17.34	18.14	18.97	21.53	22.31	22.23	23.03	23.86
	8H	16.72	17.45	17.42	18.17	19.01	22.22	22.95	22.92	23.67	24.51
	12H	16.75	17.41	17.48	18.16	19.00	22.97	23.64	23.70	24.38	25.23
8H	4H	16.97	17.70	17.67	18.42	19.26	20.33	21.06	21.03	21.78	22.62
	6H	17.47	18.09	18.21	18.85	19.69	21.82	22.44	22.56	23.20	24.04
	8H	17.63	18.18	18.37	18.95	19.80	22.63	23.19	23.38	23.95	24.81
	12H	17.72	18.21	18.47	18.96	19.88	23.54	24.04	24.29	24.79	25.71
12H	4H	17.14	17.80	17.87	18.55	19.39	20.32	20.98	21.04	21.72	22.57
	6H	17.74	18.30	18.48	19.06	19.91	21.84	22.39	22.58	23.16	24.01
	8H	17.97	18.47	18.72	19.22	20.14	22.70	23.19	23.45	23.95	24.86