

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: P895164

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895164
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-L950
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

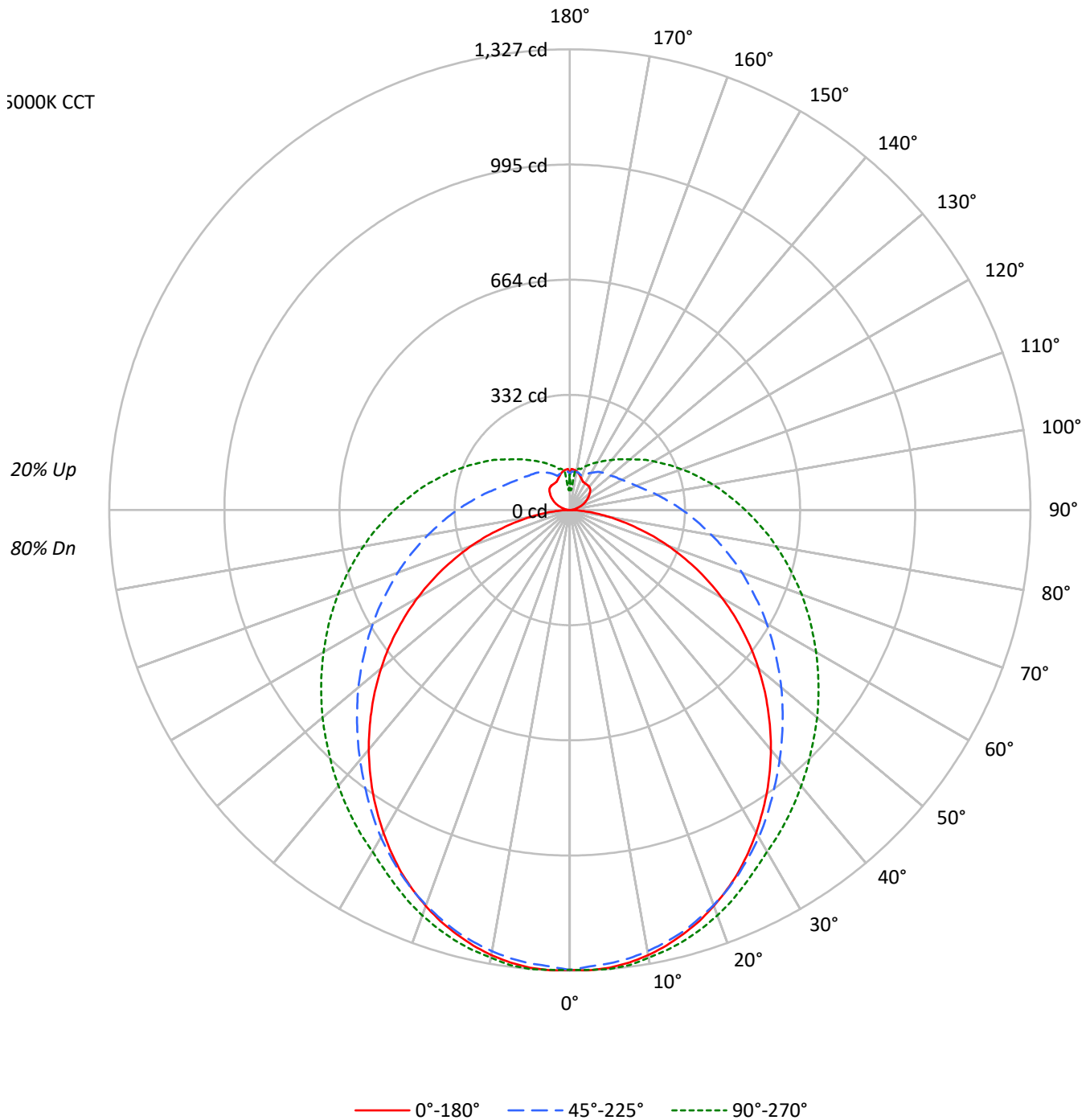
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5571.0 lumens
Efficiency: N/A
Efficacy: 132.0 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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CATALOG NUMBER: 8TMB-6SL-RNDU-UNV-L950

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°	4700	4700	4700
5°	4702	4508	4510
10°	4669	4339	4302
15°	4611	4167	4109
20°	4539	3984	3912
25°	4450	3800	3713
30°	4334	3614	3538
35°	4214	3422	3408
40°	4084	3248	3291
45°	3944	3094	3187
50°	3798	2958	3106
55°	3630	2833	3035
60°	3439	2730	2983
65°	3206	2641	2953
70°	2916	2590	2943
75°	2518	2555	2956
80°	2041	2566	3003
85°	1423	2647	3101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3944 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	2.2
10°-20°	357.3	6.4
20°-30°	536.5	9.6
30°-40°	645.1	11.6
40°-50°	683.5	12.3
50°-60°	658.2	11.8
60°-70°	582.5	10.5
70°-80°	477.8	8.6
80°-90°	370.8	6.7
90°-100°	287.8	5.2
100°-110°	228.0	4.1
110°-120°	181.6	3.3
120°-130°	144.3	2.6
130°-140°	112.7	2.0
140°-150°	82.9	1.5
150°-160°	54.8	1.0
160°-170°	31.6	0.6
170°-180°	10.1	0.2
0°-30°	1019.1	18.3
0°-40°	1664.2	29.9
0°-60°	3006.0	54.0
0°-90°	4437.1	79.6
90°-120°	697.4	12.5
90°-150°	1037.3	18.6
90°-180°	1134.0	20.4
0°-180°	5571.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1323	1324	1311	1321	1327	126
15°	1264	1265	1258	1277	1283	356
25°	1151	1154	1154	1183	1191	529
35°	991	1003	1014	1067	1089	619
45°	807	826	867	949	983	622
55°	609	639	723	830	875	545
65°	403	459	588	712	765	399
75°	202	302	469	601	657	216
85°	45	183	367	500	553	52
90°	1	144	324	454	505	3
95°	6	118	286	410	460	7
105°	23	96	226	335	379	24
115°	45	92	188	274	310	44
125°	66	96	164	226	253	58
135°	83	102	147	189	207	64
145°	88	101	134	163	173	55
155°	90	105	115	139	146	42
165°	106	112	108	108	122	30
175°	117	116	111	92	62	11
180°	102	102	102	102	102	



TEST NUMBER: P895164
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5
2.5°	1327.0	1325.8	1328.3	1330.8	1338.4	1328.3	1333.3	1319.5	1320.7	1322.0	1315.7
5°	1323.3	1319.5	1323.3	1325.8	1332.1	1324.5	1329.6	1314.4	1315.7	1318.2	1310.7
7.5°	1314.4	1310.7	1313.2	1315.7	1322.0	1314.4	1320.7	1305.6	1308.1	1309.4	1303.1
10°	1301.8	1296.8	1299.3	1303.1	1308.1	1301.8	1306.9	1293.0	1294.3	1296.8	1290.5
12.5°	1285.4	1280.4	1282.9	1285.4	1291.7	1285.4	1290.5	1276.6	1279.1	1281.7	1275.4
15°	1264.0	1259.0	1261.5	1264.0	1269.1	1265.3	1270.3	1256.5	1259.0	1264.0	1257.7
17.5°	1241.3	1233.8	1236.3	1240.1	1245.1	1242.6	1246.4	1235.0	1236.3	1241.3	1235.0
20°	1213.6	1206.1	1208.6	1212.4	1217.4	1216.1	1218.7	1208.6	1211.1	1217.4	1211.1
22.5°	1183.4	1175.8	1178.3	1183.4	1187.1	1187.1	1188.4	1180.8	1183.4	1189.7	1184.6
25°	1150.6	1143.0	1145.6	1150.6	1154.4	1154.4	1156.9	1149.3	1153.1	1159.4	1154.4
27.5°	1112.8	1109.0	1109.0	1114.1	1116.6	1119.1	1120.4	1114.1	1119.1	1125.4	1121.6
30°	1073.7	1068.7	1071.2	1077.5	1077.5	1082.5	1082.5	1077.5	1083.8	1091.4	1088.8
32.5°	1032.1	1028.4	1029.6	1037.2	1037.2	1043.5	1042.2	1039.7	1046.0	1054.8	1052.3
35°	990.6	986.8	988.0	995.6	995.6	1003.2	1000.6	1000.6	1006.9	1017.0	1014.5
37.5°	946.4	943.9	945.2	952.7	952.7	960.3	957.8	959.0	966.6	977.9	976.7
40°	901.1	898.6	901.1	907.4	909.9	916.2	913.7	916.2	926.3	936.4	940.1
42.5°	854.4	853.2	855.7	862.0	864.5	870.8	869.6	873.3	883.4	898.6	903.6
45°	806.6	806.6	809.1	815.4	817.9	825.5	824.2	829.2	841.8	858.2	867.0
47.5°	758.7	759.9	761.2	768.7	768.7	781.3	777.6	785.1	801.5	820.4	830.5
50°	709.5	712.0	713.3	719.6	722.1	733.5	730.9	743.5	761.2	781.3	795.2
52.5°	660.4	662.9	665.4	670.4	673.0	686.8	684.3	700.7	722.1	743.5	758.7
55°	608.7	613.7	615.0	621.3	625.1	638.9	638.9	657.8	680.5	704.5	723.4
57.5°	558.3	563.3	564.6	572.1	577.2	593.6	596.1	617.5	642.7	666.7	689.4
60°	506.6	512.9	514.2	521.7	530.6	548.2	552.0	575.9	603.7	628.9	655.3
62.5°	454.9	461.2	463.8	471.3	485.2	502.8	509.1	536.9	565.8	593.6	622.6
65°	403.3	409.6	413.4	423.4	439.8	458.7	467.5	496.5	529.3	558.3	588.5
67.5°	351.6	359.2	364.2	376.8	398.2	418.4	427.2	460.0	494.0	525.5	557.0
70°	301.2	308.8	315.1	331.4	356.6	376.8	388.2	423.4	458.7	492.8	528.0
72.5°	252.0	259.6	268.4	288.6	316.3	339.0	351.6	388.2	427.2	461.2	497.8
75°	201.6	210.5	220.5	248.3	279.8	302.5	316.3	355.4	395.7	429.7	468.8
77.5°	156.3	165.1	180.2	207.9	243.2	268.4	283.6	325.1	366.7	400.8	441.1
80°	114.7	123.5	143.7	173.9	210.5	234.4	253.3	296.2	339.0	374.3	414.6
82.5°	78.1	87.0	110.9	143.7	182.7	206.7	224.3	269.7	312.5	349.1	389.4
85°	45.4	58.0	83.2	118.5	158.8	182.7	200.4	247.0	288.6	325.1	366.7
87.5°	20.2	35.3	63.0	98.3	138.6	161.3	180.2	223.1	267.2	303.7	345.3
90°	1.3	20.2	49.1	83.2	122.2	143.7	161.3	204.2	245.7	283.6	323.9
92.5°	2.5	13.9	40.3	71.8	108.4	129.8	147.4	187.8	226.8	265.9	305.0
95°	6.3	13.9	35.3	64.3	98.3	118.5	134.8	173.9	210.5	248.3	286.1
97.5°	10.1	15.1	34.0	60.5	90.7	109.6	124.8	161.3	197.9	231.9	269.7
100°	13.9	18.9	34.0	58.0	85.7	103.3	117.2	151.2	185.3	216.8	254.6
102.5°	17.6	22.7	36.5	58.0	83.2	98.3	112.2	143.7	175.2	204.2	239.4
105°	22.7	26.5	39.1	58.0	80.7	95.8	107.1	136.1	166.4	194.1	225.6
107.5°	27.7	30.2	41.6	59.2	80.7	93.3	104.6	131.1	158.8	184.0	214.2
110°	34.0	35.3	45.4	61.8	80.7	92.0	102.1	127.3	152.5	176.4	204.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	39.1	39.1	49.1	64.3	80.7	92.0	100.8	123.5	147.4	168.9	195.3
115°	45.4	45.4	52.9	66.8	81.9	92.0	100.8	122.2	143.7	162.6	187.8
117.5°	50.4	50.4	58.0	69.3	84.4	93.3	100.8	119.7	139.9	157.5	180.2
120°	55.5	55.5	60.5	71.8	85.7	94.5	100.8	118.5	136.1	153.7	173.9
122.5°	60.5	60.5	64.3	75.6	87.0	94.5	100.8	117.2	133.6	148.7	167.6
125°	65.5	65.5	68.1	78.1	89.5	95.8	102.1	117.2	132.3	144.9	163.8
127.5°	70.6	69.3	73.1	81.9	90.7	97.0	103.3	117.2	129.8	142.4	158.8
130°	74.4	73.1	78.1	84.4	93.3	98.3	103.3	115.9	128.5	139.9	153.7
132.5°	79.4	76.9	83.2	85.7	95.8	100.8	104.6	115.9	127.3	137.4	151.2
135°	83.2	80.7	87.0	89.5	97.0	102.1	105.9	115.9	126.0	136.1	147.4
137.5°	85.7	84.4	90.7	93.3	98.3	103.3	107.1	115.9	124.8	133.6	144.9
140°	87.0	85.7	90.7	95.8	98.3	103.3	105.9	114.7	123.5	131.1	141.1
142.5°	88.2	88.2	92.0	97.0	98.3	102.1	105.9	113.4	121.0	127.3	138.6
145°	88.2	88.2	92.0	98.3	99.6	100.8	103.3	110.9	117.2	123.5	133.6
147.5°	88.2	88.2	93.3	98.3	100.8	102.1	100.8	108.4	114.7	119.7	128.5
150°	88.2	88.2	93.3	98.3	102.1	103.3	102.1	105.9	110.9	115.9	123.5
152.5°	89.5	89.5	93.3	98.3	102.1	103.3	103.3	103.3	107.1	112.2	119.7
155°	89.5	90.7	93.3	100.8	103.3	104.6	104.6	104.6	103.3	108.4	114.7
157.5°	93.3	94.5	95.8	102.1	104.6	105.9	105.9	105.9	104.6	103.3	109.6
160°	97.0	98.3	99.6	104.6	107.1	108.4	108.4	108.4	105.9	104.6	104.6
162.5°	100.8	103.3	103.3	105.9	108.4	109.6	109.6	110.9	108.4	107.1	105.9
165°	105.9	107.1	107.1	108.4	110.9	112.2	110.9	112.2	110.9	109.6	108.4
167.5°	109.6	110.9	110.9	112.2	112.2	113.4	113.4	113.4	112.2	110.9	110.9
170°	113.4	114.7	114.7	114.7	114.7	114.7	114.7	114.7	113.4	110.9	110.9
172.5°	115.9	117.2	117.2	115.9	115.9	115.9	115.9	114.7	112.2	110.9	110.9
175°	117.2	118.5	118.5	117.2	115.9	115.9	115.9	114.7	112.2	110.9	110.9
177.5°	118.5	119.7	118.5	118.5	115.9	115.9	115.9	115.9	113.4	112.2	110.9
180°	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5	1324.5
2.5°	1323.3	1308.1	1318.2	1319.5	1324.5	1319.5	1323.3	1319.5	1329.6	1325.8
5°	1318.2	1304.4	1313.2	1314.4	1320.7	1314.4	1320.7	1318.2	1330.8	1327.0
7.5°	1309.4	1298.0	1305.6	1306.9	1314.4	1308.1	1314.4	1311.9	1327.0	1322.0
10°	1296.8	1288.0	1295.5	1296.8	1304.4	1298.0	1303.1	1300.6	1317.0	1309.4
12.5°	1282.9	1275.4	1281.7	1282.9	1291.7	1285.4	1291.7	1289.2	1305.6	1298.0
15°	1262.8	1259.0	1265.3	1267.8	1276.6	1271.6	1277.9	1275.4	1293.0	1282.9
17.5°	1242.6	1240.1	1246.4	1248.9	1259.0	1252.7	1259.0	1256.5	1274.1	1264.0
20°	1217.4	1216.1	1222.4	1226.2	1235.0	1228.7	1236.3	1233.8	1252.7	1242.6
22.5°	1190.9	1190.9	1196.0	1199.8	1208.6	1203.5	1211.1	1209.8	1228.7	1218.7
25°	1161.9	1163.2	1168.2	1173.3	1183.4	1179.6	1185.9	1185.9	1203.5	1190.9
27.5°	1129.2	1135.5	1139.3	1145.6	1154.4	1150.6	1156.9	1158.2	1175.8	1163.2
30°	1095.2	1104.0	1107.8	1115.3	1122.9	1122.9	1129.2	1131.7	1149.3	1136.7
32.5°	1059.9	1069.9	1075.0	1085.1	1095.2	1095.2	1104.0	1107.8	1125.4	1114.1
35°	1024.6	1038.4	1044.7	1057.3	1067.4	1068.7	1077.5	1082.5	1100.2	1088.8
37.5°	990.6	1008.2	1014.5	1029.6	1038.4	1041.0	1051.0	1057.3	1073.7	1063.6
40°	955.3	976.7	984.2	1000.6	1008.2	1013.2	1023.3	1030.9	1046.0	1037.2
42.5°	921.2	945.2	952.7	970.4	979.2	984.2	994.3	1004.4	1019.5	1010.7
45°	887.2	913.7	922.5	941.4	949.0	956.5	967.9	976.7	990.6	983.0
47.5°	854.4	882.2	891.0	911.2	920.0	928.8	938.9	951.5	964.1	956.5
50°	820.4	849.4	860.7	882.2	889.7	899.8	912.4	923.8	936.4	930.1
52.5°	787.7	817.9	829.2	851.9	860.7	870.8	883.4	896.0	907.4	902.3
55°	752.4	785.1	797.7	821.7	830.5	840.6	854.4	868.3	878.4	874.6
57.5°	719.6	753.6	766.2	792.7	800.3	812.9	826.7	841.8	850.7	846.9
60°	686.8	720.9	736.0	762.4	771.3	783.9	797.7	814.1	821.7	819.2
62.5°	654.1	689.4	705.7	733.5	741.0	754.9	771.3	785.1	792.7	791.4
65°	623.8	657.8	676.7	704.5	712.0	727.2	742.3	757.4	765.0	765.0
67.5°	592.3	628.9	647.8	676.7	683.1	699.4	715.8	730.9	737.2	737.2
70°	563.3	598.6	620.0	649.0	655.3	670.4	688.1	704.5	709.5	710.8
72.5°	534.3	569.6	592.3	622.6	628.9	644.0	660.4	678.0	681.8	683.1
75°	506.6	541.9	564.6	594.8	601.1	616.3	633.9	650.3	655.3	656.6
77.5°	478.9	514.2	539.4	568.4	574.7	589.8	607.4	623.8	627.6	630.1
80°	453.7	487.7	511.7	543.2	549.5	564.6	581.0	597.4	599.9	603.7
82.5°	428.5	462.5	487.7	518.0	524.3	539.4	555.8	572.1	574.7	579.7
85°	404.5	438.6	463.8	492.8	500.3	514.2	531.8	546.9	549.5	553.2
87.5°	383.1	414.6	441.1	468.8	476.4	490.2	507.9	523.0	524.3	529.3
90°	360.4	391.9	418.4	446.1	453.7	466.3	483.9	499.1	501.6	505.4
92.5°	341.5	370.5	398.2	424.7	431.0	444.9	461.2	476.4	478.9	482.7
95°	321.4	350.3	378.1	403.3	409.6	423.4	438.6	453.7	456.2	460.0
97.5°	303.7	331.4	357.9	383.1	389.4	402.0	418.4	432.3	434.8	439.8
100°	287.3	313.8	341.5	364.2	370.5	383.1	398.2	412.1	414.6	419.7
102.5°	272.2	297.4	323.9	345.3	352.9	364.2	379.3	391.9	394.5	398.2
105°	258.3	282.3	307.5	327.7	335.2	346.6	360.4	373.0	375.6	379.3
107.5°	244.5	267.2	291.1	311.3	317.6	327.7	341.5	354.1	356.6	361.7
110°	231.9	254.6	277.3	296.2	303.7	311.3	325.1	336.5	339.0	342.8



TEST NUMBER: P895164
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	220.5	240.7	263.4	281.0	287.3	296.2	307.5	318.8	321.4	326.4
115°	210.5	229.4	252.0	268.4	273.5	281.0	293.6	303.7	306.2	310.0
117.5°	201.6	218.0	238.2	254.6	260.9	267.2	278.5	287.3	291.1	293.6
120°	194.1	209.2	226.8	242.0	249.5	254.6	264.7	273.5	277.3	279.8
122.5°	186.5	200.4	216.8	230.6	236.9	240.7	252.0	259.6	263.4	267.2
125°	180.2	192.8	207.9	219.3	225.6	229.4	239.4	247.0	250.8	253.3
127.5°	173.9	185.3	200.4	209.2	215.5	218.0	226.8	234.4	238.2	239.4
130°	167.6	179.0	191.6	200.4	205.4	209.2	216.8	221.8	225.6	226.8
132.5°	162.6	172.7	184.0	192.8	197.9	199.1	206.7	211.7	215.5	216.8
135°	158.8	166.4	177.7	185.3	189.0	191.6	197.9	201.6	205.4	206.7
137.5°	153.7	161.3	171.4	176.4	181.5	182.7	189.0	192.8	196.6	197.9
140°	150.0	156.3	165.1	170.1	175.2	175.2	180.2	184.0	187.8	187.8
142.5°	146.2	152.5	160.1	165.1	168.9	168.9	173.9	176.4	180.2	180.2
145°	141.1	147.4	155.0	158.8	162.6	162.6	166.4	168.9	172.7	172.7
147.5°	136.1	142.4	150.0	152.5	156.3	156.3	160.1	162.6	165.1	165.1
150°	129.8	134.8	143.7	147.4	151.2	151.2	153.7	156.3	158.8	158.8
152.5°	124.8	128.5	136.1	141.1	144.9	144.9	147.4	150.0	152.5	152.5
155°	118.5	122.2	128.5	134.8	138.6	139.9	142.4	143.7	146.2	146.2
157.5°	113.4	117.2	122.2	127.3	131.1	133.6	137.4	138.6	139.9	139.9
160°	107.1	109.6	114.7	119.7	123.5	126.0	132.3	133.6	134.8	134.8
162.5°	104.6	104.6	107.1	110.9	114.7	115.9	122.2	127.3	129.8	128.5
165°	105.9	104.6	104.6	105.9	108.4	109.6	113.4	121.0	123.5	122.2
167.5°	108.4	105.9	104.6	104.6	107.1	107.1	110.9	117.2	124.8	122.2
170°	108.4	104.6	102.1	102.1	103.3	103.3	105.9	109.6	117.2	118.5
172.5°	107.1	104.6	100.8	95.8	97.0	95.8	94.5	97.0	98.3	110.9
175°	108.4	104.6	100.8	94.5	92.0	88.2	81.9	76.9	75.6	61.8
177.5°	107.1	103.3	98.3	93.3	90.7	85.7	78.1	69.3	64.3	56.7
180°	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1	102.1



TEST NUMBER: P895164
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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	12.33	13.64	12.97	14.31	15.08	15.95	17.27	16.60	17.93	18.70
	3H	13.68	14.88	14.33	15.55	16.35	18.91	20.11	19.56	20.78	21.58
	4H	14.08	15.22	14.75	15.91	16.72	20.42	21.56	21.09	22.24	23.06
	6H	14.30	15.36	14.98	16.06	16.89	22.03	23.09	22.71	23.78	24.62
	8H	14.33	15.35	15.03	16.07	16.90	22.88	23.90	23.57	24.61	25.45
	12H	14.33	15.31	15.04	16.02	16.89	23.82	24.80	24.53	25.51	26.37
4H	2H	13.49	14.63	14.16	15.31	16.13	16.27	17.41	16.95	18.10	18.91
	3H	15.13	16.11	15.82	16.83	17.66	19.46	20.43	20.14	21.15	21.99
	4H	15.70	16.60	16.40	17.32	18.19	21.13	22.04	21.84	22.76	23.62
	6H	16.04	16.84	16.76	17.59	18.45	22.95	23.75	23.68	24.50	25.37
	8H	16.11	16.86	16.84	17.61	18.49	23.93	24.68	24.65	25.43	26.31
	12H	16.14	16.82	16.89	17.59	18.48	25.01	25.70	25.76	26.47	27.36
8H	4H	16.80	17.56	17.53	18.30	19.19	21.30	22.06	22.03	22.80	23.69
	6H	17.41	18.05	18.17	18.84	19.73	23.30	23.94	24.06	24.73	25.61
	8H	17.61	18.19	18.37	18.97	19.87	24.42	25.00	25.18	25.79	26.68
	12H	17.72	18.24	18.49	19.02	19.97	25.70	26.21	26.47	26.99	27.95
12H	4H	17.17	17.86	17.92	18.62	19.51	21.30	21.98	22.05	22.75	23.64
	6H	17.95	18.53	18.71	19.32	20.21	23.33	23.91	24.09	24.70	25.59
	8H	18.28	18.79	19.05	19.57	20.53	24.51	25.03	25.28	25.81	26.76