

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: P895497

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-LOW-4000K

Issue Date: 11/11/2024

**Test Information**

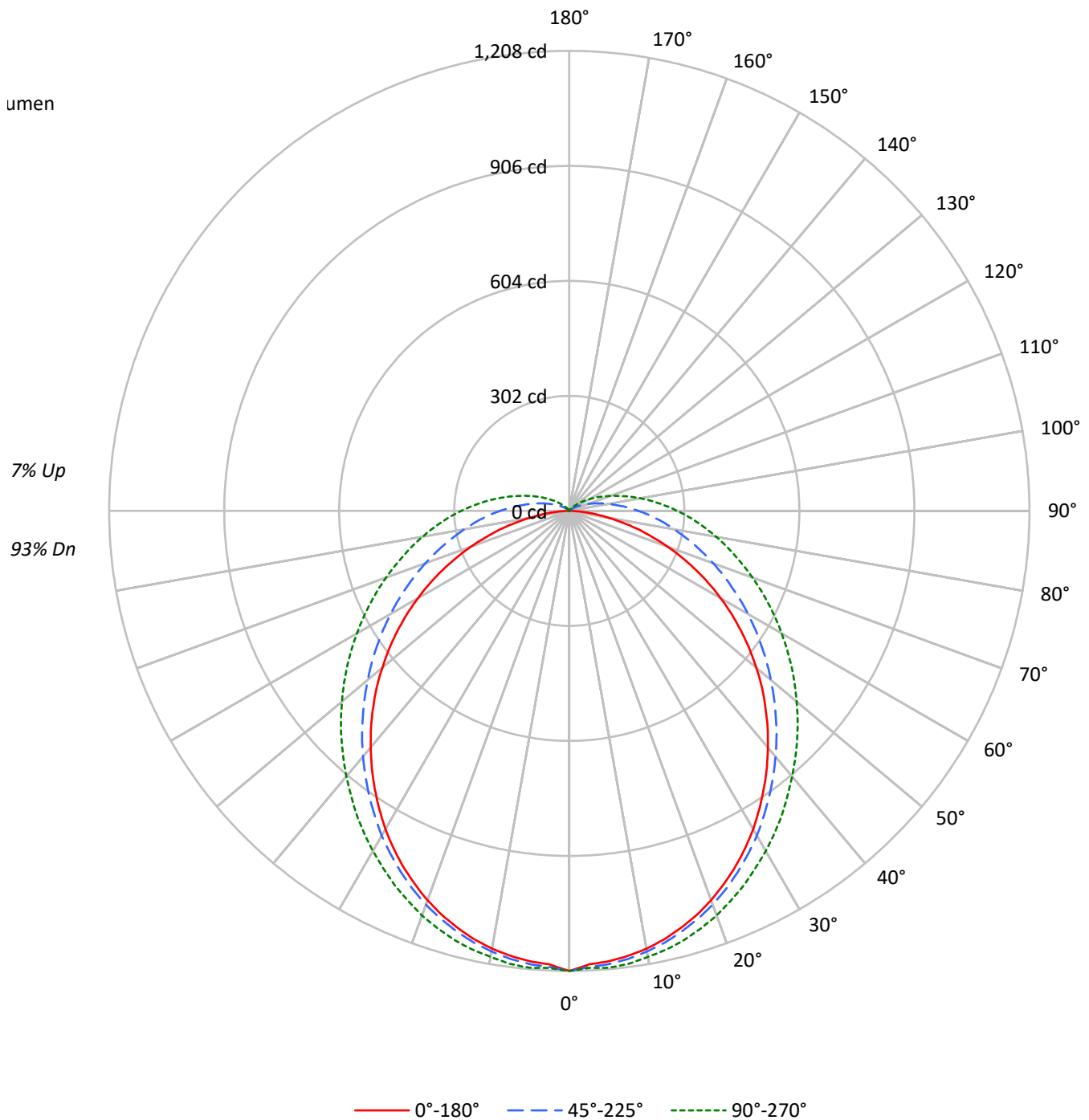
Test Method: LM-79-2019  
Report Number: P895497  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-RND-UNV-CC83-LOW-4000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT, LOW I setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3998.9 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35  
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 33.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.9915  
Total Harmonic Distortion (THDi): 6.67573310469889  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

TEST NUMBER: P895497  
CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-4000K

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	4286	4286	4286
5°	4228	4256	4289
10°	4206	4233	4284
15°	4163	4198	4285
20°	4108	4154	4269
25°	4037	4097	4245
30°	3954	4035	4225
35°	3857	3963	4217
40°	3756	3901	4216
45°	3652	3847	4245
50°	3538	3814	4299
55°	3409	3806	4403
60°	3260	3843	4568
65°	3079	3944	4841
70°	2854	4167	5305
75°	2579	4639	6155
80°	2182	5717	7995
85°	1771	9310	13699

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 25216 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	114.2	2.9
10°-20°	325.5	8.1
20°-30°	487.4	12.2
30°-40°	581.1	14.5
40°-50°	602.7	15.1
50°-60°	559.2	14.0
60°-70°	466.5	11.7
70°-80°	347.8	8.7
80°-90°	231.6	5.8
90°-100°	141.0	3.5
100°-110°	78.7	2.0
110°-120°	39.3	1.0
120°-130°	16.4	0.4
130°-140°	5.2	0.1
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	927.1	23.2
0°-40°	1508.3	37.7
0°-60°	2670.2	66.8
0°-90°	3716.0	92.9
90°-120°	259.0	6.5
90°-150°	281.9	7.0
90°-180°	283.0	7.1
0°-180°	3998.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1208	1208	1208	1208	1208	
5°	1187	1215	1195	1201	1204	113
15°	1133	1163	1143	1164	1166	320
25°	1031	1059	1046	1076	1084	475
35°	890	914	915	960	974	557
45°	728	747	767	827	846	562
55°	551	570	615	687	712	493
65°	367	396	470	549	577	363
75°	188	240	338	421	449	199
85°	44	119	229	307	336	49
90°	2	78	182	256	284	3
95°	0	48	140	210	234	0
105°	0	15	77	130	149	0
115°	1	4	36	73	87	1
125°	1	1	14	35	44	1
135°	1	1	4	12	16	1
145°	1	1	1	3	4	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



TEST NUMBER: P895497

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1191.9	1193.8	1210.8	1209.9	1207.0	1218.4	1221.2	1211.8	1196.7	1211.8	1198.5
5°	1187.2	1189.1	1206.1	1205.2	1202.3	1214.6	1215.6	1207.0	1191.9	1207.0	1194.8
7.5°	1178.7	1180.6	1197.6	1196.7	1194.8	1207.0	1206.1	1199.5	1183.4	1199.5	1186.3
10°	1167.3	1168.3	1186.3	1184.4	1183.4	1195.7	1192.9	1187.2	1171.1	1187.2	1174.9
12.5°	1152.2	1153.2	1171.1	1169.2	1169.2	1180.6	1176.8	1172.1	1156.0	1171.1	1160.7
15°	1133.3	1134.3	1151.3	1150.3	1150.3	1162.6	1157.0	1153.2	1138.0	1154.1	1142.8
17.5°	1112.5	1111.6	1129.5	1127.6	1129.5	1140.9	1133.3	1131.4	1117.3	1132.4	1122.9
20°	1088.0	1088.0	1104.0	1103.1	1105.9	1116.3	1106.9	1107.8	1093.6	1109.7	1100.2
22.5°	1060.5	1059.6	1075.7	1075.7	1078.5	1088.9	1078.5	1081.3	1067.2	1082.3	1074.7
25°	1031.2	1029.3	1045.4	1045.4	1050.1	1058.6	1047.3	1051.1	1037.9	1053.0	1046.4
27.5°	999.1	996.3	1012.3	1013.3	1017.1	1025.6	1013.3	1018.9	1006.7	1020.8	1016.1
30°	965.1	962.2	978.3	979.2	984.0	990.6	978.3	985.9	974.5	988.7	984.9
32.5°	928.2	926.3	941.4	943.3	948.1	952.8	941.4	949.0	939.6	953.7	949.9
35°	890.4	888.5	902.7	905.5	910.2	914.0	901.7	912.1	903.6	916.9	915.0
37.5°	851.6	848.8	863.9	865.8	871.5	873.4	862.0	874.3	866.8	880.0	879.1
40°	811.0	808.2	823.3	825.2	830.8	830.8	821.4	834.6	829.0	841.2	842.2
42.5°	770.4	767.5	780.8	784.5	789.3	789.3	779.8	794.0	790.2	802.5	805.3
45°	727.8	725.0	737.3	741.1	746.7	746.7	737.3	753.3	750.5	762.8	766.6
47.5°	686.2	682.5	693.8	697.6	703.2	702.3	694.7	710.8	709.9	722.1	728.8
50°	640.9	638.0	649.4	653.1	659.8	657.9	652.2	669.2	669.2	681.5	691.0
52.5°	596.4	593.6	604.9	608.7	614.4	614.4	608.7	626.7	629.5	641.8	653.1
55°	551.1	547.3	558.6	562.4	569.0	570.0	565.2	583.2	588.9	603.1	615.3
57.5°	505.7	503.8	513.3	517.0	525.5	525.5	522.7	541.6	549.2	564.3	578.5
60°	459.4	457.5	466.0	470.7	480.2	482.1	480.2	500.0	510.4	525.5	541.6
62.5°	413.1	411.2	419.7	426.3	436.7	438.6	439.5	460.3	471.7	487.7	505.7
65°	366.7	364.9	373.4	380.9	393.2	396.0	398.9	420.6	433.9	450.9	469.8
67.5°	320.4	319.5	328.0	337.4	350.7	354.5	359.2	381.9	397.0	415.0	435.7
70°	275.1	274.1	282.6	294.0	310.0	314.8	320.4	343.1	362.0	380.9	401.7
72.5°	229.7	230.6	240.1	253.3	271.3	276.0	283.6	307.2	328.0	347.8	369.6
75°	188.1	188.1	198.5	213.6	233.5	240.1	248.6	273.2	294.9	315.7	338.4
77.5°	145.6	145.6	157.9	176.8	198.5	205.1	215.5	241.0	264.7	285.5	308.1
80°	106.8	108.7	122.9	141.8	164.5	173.0	185.3	210.8	236.3	257.1	279.8
82.5°	72.8	75.6	90.7	112.5	135.2	143.7	156.0	183.4	208.9	230.6	254.3
85°	43.5	48.2	64.3	86.0	109.6	119.1	132.3	157.9	183.4	205.1	228.7
87.5°	19.8	26.5	43.5	65.2	87.9	98.3	109.6	134.2	159.7	181.5	206.1
90°	1.9	11.3	28.4	47.3	69.0	78.5	89.8	113.4	138.0	157.9	181.5
92.5°	0.0	4.7	17.0	34.0	52.9	62.4	72.8	95.5	117.2	137.1	159.7
95°	0.0	1.9	9.5	23.6	39.7	48.2	57.7	78.5	100.2	119.1	139.9
97.5°	0.0	0.9	5.7	16.1	29.3	36.9	45.4	64.3	84.1	102.1	121.0
100°	0.0	0.9	2.8	10.4	21.7	27.4	35.9	52.0	69.9	86.0	104.9
102.5°	0.0	0.0	1.9	6.6	16.1	20.8	27.4	41.6	57.7	72.8	89.8
105°	0.0	0.0	0.9	4.7	11.3	15.1	20.8	33.1	47.3	60.5	76.6
107.5°	0.0	0.0	0.9	2.8	7.6	11.3	16.1	25.5	37.8	50.1	64.3
110°	0.9	0.9	0.9	1.9	5.7	8.5	11.3	19.8	31.2	41.6	53.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	0.9	0.9	0.9	3.8	5.7	8.5	15.1	24.6	33.1	44.4
115°	0.9	0.9	0.9	0.9	2.8	3.8	5.7	11.3	18.9	26.5	35.9
117.5°	0.9	0.9	0.9	0.9	1.9	2.8	3.8	8.5	14.2	20.8	29.3
120°	0.9	0.9	0.9	0.9	0.9	1.9	2.8	5.7	11.3	16.1	23.6
122.5°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	4.7	8.5	12.3	18.0
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	5.7	9.5	14.2
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	6.6	10.4
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	4.7	7.6
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8	5.7
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	2.8	3.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	2.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
145°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9	0.9
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9	0.9
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9
170°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.9
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0	1208.0
2.5°	1202.3	1205.2	1208.0	1200.4	1205.2	1213.7	1216.5	1205.2	1208.9	1201.4
5°	1198.5	1200.4	1204.2	1194.8	1201.4	1208.9	1213.7	1204.2	1209.9	1204.2
7.5°	1191.0	1192.9	1197.6	1188.1	1196.7	1203.3	1208.9	1199.5	1205.2	1199.5
10°	1179.6	1182.5	1189.1	1177.7	1188.1	1193.8	1199.5	1189.1	1194.8	1189.1
12.5°	1165.5	1170.2	1175.9	1165.5	1175.9	1180.6	1188.1	1177.7	1184.4	1179.6
15°	1148.4	1153.2	1160.7	1150.3	1163.6	1167.3	1174.9	1164.5	1171.1	1166.4
17.5°	1128.6	1134.3	1143.7	1131.4	1146.6	1149.4	1157.0	1147.5	1154.1	1149.4
20°	1105.9	1111.6	1121.0	1109.7	1124.8	1126.7	1135.2	1126.7	1133.3	1130.5
22.5°	1079.4	1086.1	1095.5	1085.1	1101.2	1101.2	1111.6	1103.1	1110.6	1107.8
25°	1052.0	1059.6	1070.0	1058.6	1075.7	1075.7	1087.0	1078.5	1086.1	1084.2
27.5°	1022.7	1031.2	1043.5	1032.2	1049.2	1048.3	1059.6	1052.0	1060.5	1057.7
30°	991.5	1001.0	1013.3	1003.8	1021.8	1019.9	1031.2	1024.6	1032.2	1031.2
32.5°	957.5	967.9	983.0	972.6	990.6	988.7	1002.9	995.3	1004.8	1002.9
35°	923.5	934.8	949.9	940.5	960.3	957.5	971.7	965.1	974.5	973.6
37.5°	888.5	900.8	915.9	908.4	927.3	924.4	939.6	933.9	944.3	941.4
40°	852.6	864.9	880.9	874.3	894.2	890.4	906.5	901.7	912.1	910.2
42.5°	816.7	829.9	846.0	842.2	861.1	857.3	873.4	869.6	880.0	878.1
45°	779.8	794.0	811.0	807.2	827.1	823.3	839.4	836.5	846.9	846.0
47.5°	742.9	758.1	775.1	773.2	792.1	788.3	805.3	802.5	812.9	812.9
50°	705.1	722.1	739.2	738.2	757.1	753.3	768.5	768.5	779.8	778.9
52.5°	667.3	685.3	703.2	703.2	722.1	718.4	735.4	734.4	745.8	745.8
55°	631.4	647.5	665.4	669.2	687.2	681.5	699.5	701.4	710.8	711.8
57.5°	595.5	612.5	630.5	635.2	652.2	648.4	665.4	667.3	676.8	677.7
60°	559.6	575.6	593.6	600.2	617.2	613.4	630.5	632.4	642.8	643.7
62.5°	523.7	539.7	559.6	566.2	582.3	579.4	597.4	599.3	608.7	610.6
65°	488.7	505.7	524.6	534.1	549.2	545.4	563.4	565.2	575.6	576.6
67.5°	454.7	471.7	490.6	501.0	515.1	513.3	530.3	534.1	542.6	544.4
70°	421.6	438.6	458.4	468.8	483.0	482.1	498.1	501.0	510.4	511.4
72.5°	389.4	406.4	426.3	438.6	450.9	449.9	466.0	469.8	479.2	480.2
75°	358.2	376.2	395.1	408.3	420.6	419.7	435.7	439.5	448.0	449.0
77.5°	328.9	346.9	366.7	380.0	390.4	391.3	405.5	409.3	417.8	420.6
80°	301.5	318.5	337.4	351.6	361.1	363.0	376.2	380.9	387.5	391.3
82.5°	275.1	292.1	311.0	324.2	333.7	335.6	347.8	353.5	360.1	363.0
85°	249.5	266.6	284.5	298.7	307.2	308.1	320.4	326.1	331.8	336.5
87.5°	225.0	242.0	259.0	274.1	281.7	283.6	294.9	300.6	305.3	310.0
90°	200.4	217.4	234.4	248.6	256.2	257.1	269.4	275.1	279.8	283.6
92.5°	177.7	194.7	211.7	225.9	232.5	234.4	244.8	251.4	255.2	259.0
95°	156.0	173.0	188.1	203.2	209.8	212.7	222.1	227.8	232.5	234.4
97.5°	137.1	152.2	166.4	181.5	187.2	190.0	199.4	206.1	209.8	211.7
100°	119.1	133.3	146.5	160.7	166.4	169.2	177.7	183.4	187.2	190.0
102.5°	103.0	116.3	128.6	141.8	147.5	149.3	156.9	162.6	166.4	169.2
105°	88.9	101.1	112.5	124.8	129.5	132.3	138.9	143.7	147.5	149.3
107.5°	75.6	87.9	97.4	108.7	113.4	115.3	121.9	127.6	130.4	131.4
110°	64.3	74.7	84.1	93.6	99.2	101.1	106.8	111.5	114.4	115.3





TEST NUMBER: P895497

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	53.9	63.3	71.8	80.3	85.1	87.0	92.6	97.4	99.2	100.2
115°	44.4	53.9	60.5	69.0	72.8	74.7	79.4	84.1	85.1	87.0
117.5°	35.9	44.4	51.0	57.7	61.4	63.3	67.1	70.9	72.8	73.7
120°	29.3	35.9	41.6	48.2	51.0	52.9	56.7	60.5	61.4	62.4
122.5°	23.6	29.3	34.0	39.7	42.5	44.4	47.3	50.1	51.0	52.0
125°	18.0	23.6	27.4	32.1	35.0	35.9	38.8	41.6	42.5	43.5
127.5°	14.2	18.0	21.7	25.5	27.4	28.4	31.2	33.1	34.0	35.0
130°	10.4	13.2	16.1	19.8	21.7	22.7	24.6	26.5	27.4	27.4
132.5°	7.6	10.4	12.3	15.1	16.1	17.0	18.9	20.8	20.8	21.7
135°	4.7	6.6	8.5	10.4	12.3	12.3	14.2	15.1	16.1	16.1
137.5°	3.8	4.7	5.7	7.6	8.5	9.5	9.5	11.3	11.3	11.3
140°	2.8	3.8	3.8	4.7	5.7	6.6	6.6	7.6	7.6	7.6
142.5°	1.9	2.8	2.8	3.8	3.8	4.7	4.7	4.7	5.7	5.7
145°	1.9	1.9	1.9	2.8	2.8	2.8	2.8	3.8	3.8	3.8
147.5°	0.9	0.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8
150°	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P895497  
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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	15.34	16.88	15.81	17.34	17.82	16.91	18.45	17.39	18.91	19.39
	3H	17.02	18.42	17.50	18.89	19.42	19.54	20.94	20.02	21.41	21.94
	4H	17.62	18.95	18.12	19.43	19.97	20.85	22.18	21.36	22.67	23.21
	6H	18.02	19.26	18.53	19.75	20.31	22.26	23.50	22.77	23.99	24.55
	8H	18.13	19.32	18.66	19.84	20.41	23.01	24.19	23.53	24.72	25.28
	12H	18.21	19.35	18.75	19.87	20.46	23.86	25.00	24.39	25.51	26.10
4H	2H	16.27	17.60	16.78	18.09	18.63	17.47	18.80	17.97	19.28	19.82
	3H	18.25	19.39	18.77	19.91	20.48	20.38	21.52	20.90	22.05	22.61
	4H	19.03	20.07	19.56	20.61	21.20	21.91	22.95	22.44	23.49	24.08
	6H	19.61	20.53	20.16	21.09	21.70	23.55	24.47	24.11	25.03	25.64
	8H	19.79	20.66	20.35	21.22	21.84	24.43	25.30	24.99	25.86	26.48
	12H	19.91	20.70	20.50	21.29	21.92	25.43	26.22	26.02	26.82	27.44
8H	4H	19.91	20.77	20.47	21.34	21.96	22.27	23.14	22.83	23.70	24.32
	6H	20.79	21.52	21.38	22.13	22.76	24.17	24.91	24.76	25.51	26.14
	8H	21.14	21.80	21.74	22.42	23.06	25.25	25.92	25.86	26.53	27.17
	12H	21.41	22.00	22.01	22.61	23.31	26.52	27.11	27.12	27.72	28.42
12H	4H	20.18	20.97	20.77	21.56	22.19	22.31	23.10	22.89	23.69	24.32
	6H	21.24	21.90	21.84	22.52	23.16	24.28	24.95	24.88	25.56	26.20
	8H	21.75	22.35	22.36	22.95	23.66	25.48	26.07	26.08	26.68	27.38