

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: P895496

Luminaire Tested: 8TMB-SC3-RND-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

**Test Information**

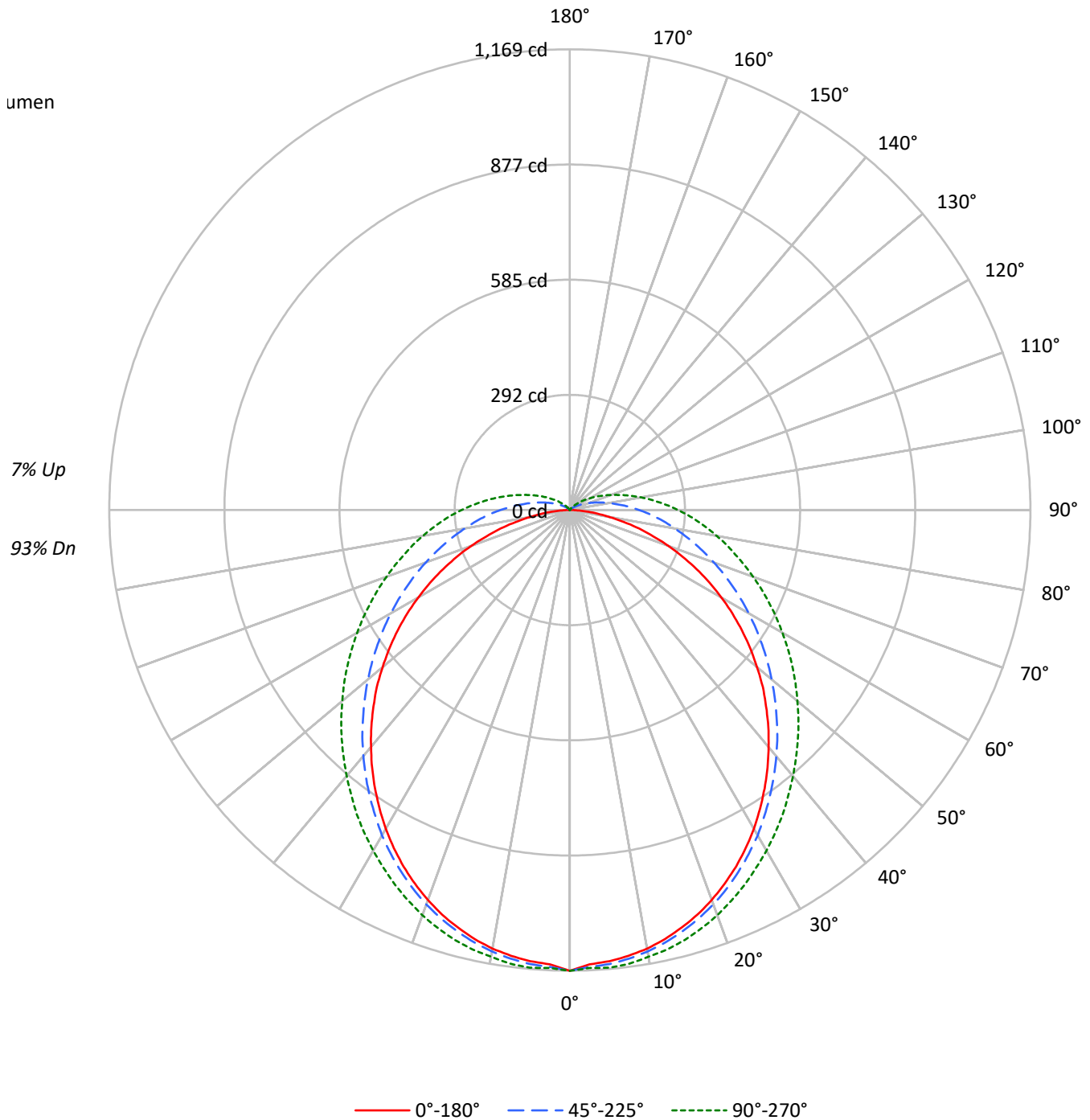
Test Method: LM-79-2019  
Report Number: P895496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-RND-UNV-CC83-LOW-3500K  
Description: Selectable 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT, LOW I setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3871.0 lumens  
Efficiency: N/A  
Efficacy: 115.6 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: P895496  
CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-3500K

### 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°	4149	4149	4149
5°	4093	4119	4152
10°	4071	4098	4147
15°	4030	4063	4148
20°	3976	4021	4132
25°	3908	3965	4109
30°	3827	3906	4090
35°	3733	3836	4082
40°	3636	3776	4081
45°	3535	3723	4109
50°	3424	3692	4161
55°	3300	3684	4262
60°	3156	3721	4422
65°	2980	3817	4686
70°	2763	4034	5135
75°	2496	4491	5958
80°	2113	5533	7740
85°	1714	9013	13259

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 24411 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.6	2.9
10°-20°	315.1	8.1
20°-30°	471.8	12.2
30°-40°	562.5	14.5
40°-50°	583.4	15.1
50°-60°	541.3	14.0
60°-70°	451.5	11.7
70°-80°	336.7	8.7
80°-90°	224.2	5.8
90°-100°	136.5	3.5
100°-110°	76.2	2.0
110°-120°	38.1	1.0
120°-130°	15.9	0.4
130°-140°	5.0	0.1
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	897.5	23.2
0°-40°	1460.0	37.7
0°-60°	2584.7	66.8
0°-90°	3597.1	92.9
90°-120°	250.7	6.5
90°-150°	272.9	7.0
90°-180°	274.0	7.1
0°-180°	3871.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1169	1169	1169	1169	1169	
5°	1149	1176	1156	1163	1166	109
15°	1097	1125	1106	1126	1129	309
25°	998	1025	1013	1041	1050	460
35°	862	885	886	930	942	539
45°	704	723	742	801	819	544
55°	533	552	596	665	689	477
65°	355	383	455	532	558	351
75°	182	232	328	407	435	192
85°	42	115	221	297	326	47
90°	2	76	176	248	274	3
95°	0	47	135	203	227	0
105°	0	15	74	125	145	0
115°	1	4	35	70	84	1
125°	1	1	14	34	42	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: P895496

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-3500K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3
2.5°	1153.8	1155.6	1172.1	1171.2	1168.4	1179.4	1182.1	1173.0	1158.3	1173.0	1160.2
5°	1149.2	1151.0	1167.5	1166.6	1163.8	1175.7	1176.6	1168.4	1153.8	1168.4	1156.5
7.5°	1141.0	1142.8	1159.3	1158.3	1156.5	1168.4	1167.5	1161.1	1145.5	1161.1	1148.3
10°	1130.0	1130.9	1148.3	1146.5	1145.5	1157.4	1154.7	1149.2	1133.6	1149.2	1137.3
12.5°	1115.3	1116.3	1133.6	1131.8	1131.8	1142.8	1139.1	1134.6	1119.0	1133.6	1123.6
15°	1097.0	1098.0	1114.4	1113.5	1113.5	1125.4	1119.9	1116.3	1101.6	1117.2	1106.2
17.5°	1076.9	1076.0	1093.4	1091.6	1093.4	1104.4	1097.0	1095.2	1081.5	1096.1	1087.0
20°	1053.1	1053.1	1068.7	1067.8	1070.5	1080.6	1071.4	1072.3	1058.6	1074.2	1065.0
22.5°	1026.6	1025.7	1041.2	1041.2	1044.0	1054.0	1044.0	1046.7	1033.0	1047.6	1040.3
25°	998.2	996.4	1012.0	1012.0	1016.5	1024.8	1013.8	1017.4	1004.6	1019.3	1012.9
27.5°	967.1	964.4	979.9	980.8	984.5	992.7	980.8	986.3	974.4	988.2	983.6
30°	934.2	931.4	947.0	947.9	952.5	958.9	947.0	954.3	943.3	957.1	953.4
32.5°	898.5	896.7	911.3	913.1	917.7	922.3	911.3	918.6	909.5	923.2	919.5
35°	861.9	860.1	873.8	876.5	881.1	884.8	872.9	882.9	874.7	887.5	885.7
37.5°	824.4	821.6	836.3	838.1	843.6	845.4	834.4	846.3	839.0	851.8	850.9
40°	785.0	782.3	796.9	798.8	804.3	804.3	795.1	807.9	802.4	814.3	815.2
42.5°	745.7	743.0	755.8	759.4	764.0	764.0	754.8	768.6	764.9	776.8	779.6
45°	704.5	701.8	713.7	717.3	722.8	722.8	713.7	729.2	726.5	738.4	742.0
47.5°	664.3	660.6	671.6	675.2	680.7	679.8	672.5	688.1	687.1	699.0	705.4
50°	620.3	617.6	628.6	632.2	638.6	636.8	631.3	647.8	647.8	659.7	668.8
52.5°	577.3	574.6	585.6	589.2	594.7	594.7	589.2	606.6	609.4	621.3	632.2
55°	533.4	529.8	540.7	544.4	550.8	551.7	547.2	564.5	570.0	583.7	595.6
57.5°	489.5	487.7	496.8	500.5	508.7	508.7	506.0	524.3	531.6	546.2	560.0
60°	444.7	442.8	451.1	455.7	464.8	466.6	464.8	484.0	494.1	508.7	524.3
62.5°	399.8	398.0	406.2	412.7	422.7	424.5	425.5	445.6	456.6	472.1	489.5
65°	355.0	353.2	361.4	368.7	380.6	383.4	386.1	407.2	420.0	436.4	454.7
67.5°	310.2	309.3	317.5	326.6	339.5	343.1	347.7	369.6	384.3	401.7	421.8
70°	266.3	265.3	273.6	284.6	300.1	304.7	310.2	332.1	350.4	368.7	388.9
72.5°	222.3	223.3	232.4	245.2	262.6	267.2	274.5	297.4	317.5	336.7	357.8
75°	182.1	182.1	192.1	206.8	226.0	232.4	240.6	264.4	285.5	305.6	327.6
77.5°	140.9	140.9	152.8	171.1	192.1	198.5	208.6	233.3	256.2	276.3	298.3
80°	103.4	105.2	118.9	137.2	159.2	167.4	179.3	204.0	228.7	248.9	270.8
82.5°	70.5	73.2	87.8	108.9	130.8	139.1	151.0	177.5	202.2	223.3	246.1
85°	42.1	46.7	62.2	83.3	106.1	115.3	128.1	152.8	177.5	198.5	221.4
87.5°	19.2	25.6	42.1	63.1	85.1	95.2	106.1	129.9	154.6	175.7	199.5
90°	1.8	11.0	27.4	45.7	66.8	75.9	86.9	109.8	133.6	152.8	175.7
92.5°	0.0	4.6	16.5	32.9	51.2	60.4	70.5	92.4	113.5	132.7	154.6
95°	0.0	1.8	9.1	22.9	38.4	46.7	55.8	75.9	97.0	115.3	135.4
97.5°	0.0	0.9	5.5	15.6	28.4	35.7	43.9	62.2	81.4	98.8	117.1
100°	0.0	0.9	2.7	10.1	21.0	26.5	34.8	50.3	67.7	83.3	101.6
102.5°	0.0	0.0	1.8	6.4	15.6	20.1	26.5	40.3	55.8	70.5	86.9
105°	0.0	0.0	0.9	4.6	11.0	14.6	20.1	32.0	45.7	58.6	74.1
107.5°	0.0	0.0	0.9	2.7	7.3	11.0	15.6	24.7	36.6	48.5	62.2
110°	0.9	0.9	0.9	1.8	5.5	8.2	11.0	19.2	30.2	40.3	52.2



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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	3.7	5.5	8.2	14.6	23.8	32.0	43.0
115°	0.9	0.9	0.9	0.9	2.7	3.7	5.5	11.0	18.3	25.6	34.8
117.5°	0.9	0.9	0.9	0.9	1.8	2.7	3.7	8.2	13.7	20.1	28.4
120°	0.9	0.9	0.9	0.9	0.9	1.8	2.7	5.5	11.0	15.6	22.9
122.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.6	8.2	11.9	17.4
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	5.5	9.1	13.7
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7	6.4	10.1
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	4.6	7.3
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7	5.5
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
145°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
170°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3
2.5°	1163.8	1166.6	1169.3	1162.0	1166.6	1174.8	1177.6	1166.6	1170.2	1162.9
5°	1160.2	1162.0	1165.7	1156.5	1162.9	1170.2	1174.8	1165.7	1171.2	1165.7
7.5°	1152.9	1154.7	1159.3	1150.1	1158.3	1164.8	1170.2	1161.1	1166.6	1161.1
10°	1141.9	1144.6	1151.0	1140.0	1150.1	1155.6	1161.1	1151.0	1156.5	1151.0
12.5°	1128.2	1132.7	1138.2	1128.2	1138.2	1142.8	1150.1	1140.0	1146.5	1141.9
15°	1111.7	1116.3	1123.6	1113.5	1126.3	1130.0	1137.3	1127.2	1133.6	1129.1
17.5°	1092.5	1098.0	1107.1	1095.2	1109.9	1112.6	1119.9	1110.8	1117.2	1112.6
20°	1070.5	1076.0	1085.2	1074.2	1088.8	1090.6	1098.9	1090.6	1097.0	1094.3
22.5°	1044.9	1051.3	1060.4	1050.4	1065.9	1065.9	1076.0	1067.8	1075.1	1072.3
25°	1018.4	1025.7	1035.7	1024.8	1041.2	1041.2	1052.2	1044.0	1051.3	1049.5
27.5°	990.0	998.2	1010.1	999.1	1015.6	1014.7	1025.7	1018.4	1026.6	1023.8
30°	959.8	969.0	980.8	971.7	989.1	987.2	998.2	991.8	999.1	998.2
32.5°	926.9	936.9	951.6	941.5	958.9	957.1	970.8	963.5	972.6	970.8
35°	893.9	904.9	919.5	910.4	929.6	926.9	940.6	934.2	943.3	942.4
37.5°	860.1	872.0	886.6	879.3	897.6	894.8	909.5	904.0	914.1	911.3
40°	825.3	837.2	852.7	846.3	865.6	861.9	877.5	872.9	882.9	881.1
42.5°	790.5	803.3	818.9	815.2	833.5	829.9	845.4	841.8	851.8	850.0
45°	754.8	768.6	785.0	781.4	800.6	796.9	812.5	809.7	819.8	818.9
47.5°	719.2	733.8	750.3	748.4	766.7	763.1	779.6	776.8	786.9	786.9
50°	682.6	699.0	715.5	714.6	732.9	729.2	743.9	743.9	754.8	753.9
52.5°	646.0	663.4	680.7	680.7	699.0	695.4	711.8	710.9	721.9	721.9
55°	611.2	626.8	644.1	647.8	665.2	659.7	677.1	678.9	688.1	689.0
57.5°	576.4	592.9	610.3	614.9	631.3	627.7	644.1	646.0	655.1	656.0
60°	541.7	557.2	574.6	581.0	597.5	593.8	610.3	612.1	622.2	623.1
62.5°	506.9	522.4	541.7	548.1	563.6	560.9	578.3	580.1	589.2	591.1
65°	473.0	489.5	507.8	517.0	531.6	527.9	545.3	547.2	557.2	558.1
67.5°	440.1	456.6	474.9	484.9	498.7	496.8	513.3	517.0	525.2	527.0
70°	408.1	424.5	443.8	453.8	467.5	466.6	482.2	484.9	494.1	495.0
72.5°	377.0	393.4	412.7	424.5	436.4	435.5	451.1	454.7	463.9	464.8
75°	346.8	364.2	382.5	395.3	407.2	406.2	421.8	425.5	433.7	434.6
77.5°	318.4	335.8	355.0	367.8	377.9	378.8	392.5	396.2	404.4	407.2
80°	291.9	308.3	326.6	340.4	349.5	351.3	364.2	368.7	375.1	378.8
82.5°	266.3	282.7	301.0	313.8	323.0	324.8	336.7	342.2	348.6	351.3
85°	241.6	258.0	275.4	289.1	297.4	298.3	310.2	315.7	321.2	325.7
87.5°	217.8	234.2	250.7	265.3	272.7	274.5	285.5	291.0	295.5	300.1
90°	194.0	210.4	226.9	240.6	248.0	248.9	260.8	266.3	270.8	274.5
92.5°	172.0	188.5	205.0	218.7	225.1	226.9	237.0	243.4	247.0	250.7
95°	151.0	167.4	182.1	196.7	203.1	205.9	215.0	220.5	225.1	226.9
97.5°	132.7	147.3	161.0	175.7	181.2	183.9	193.1	199.5	203.1	205.0
100°	115.3	129.0	141.8	155.5	161.0	163.8	172.0	177.5	181.2	183.9
102.5°	99.7	112.5	124.4	137.2	142.7	144.6	151.9	157.4	161.0	163.8
105°	86.0	97.9	108.9	120.8	125.4	128.1	134.5	139.1	142.7	144.6
107.5°	73.2	85.1	94.2	105.2	109.8	111.6	118.0	123.5	126.3	127.2
110°	62.2	72.3	81.4	90.6	96.1	97.9	103.4	108.0	110.7	111.6





TEST NUMBER: P895496

CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-3500K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	52.2	61.3	69.5	77.8	82.3	84.2	89.7	94.2	96.1	97.0
115°	43.0	52.2	58.6	66.8	70.5	72.3	76.9	81.4	82.3	84.2
117.5°	34.8	43.0	49.4	55.8	59.5	61.3	65.0	68.6	70.5	71.4
120°	28.4	34.8	40.3	46.7	49.4	51.2	54.9	58.6	59.5	60.4
122.5°	22.9	28.4	32.9	38.4	41.2	43.0	45.7	48.5	49.4	50.3
125°	17.4	22.9	26.5	31.1	33.9	34.8	37.5	40.3	41.2	42.1
127.5°	13.7	17.4	21.0	24.7	26.5	27.4	30.2	32.0	32.9	33.9
130°	10.1	12.8	15.6	19.2	21.0	22.0	23.8	25.6	26.5	26.5
132.5°	7.3	10.1	11.9	14.6	15.6	16.5	18.3	20.1	20.1	21.0
135°	4.6	6.4	8.2	10.1	11.9	11.9	13.7	14.6	15.6	15.6
137.5°	3.7	4.6	5.5	7.3	8.2	9.1	9.1	11.0	11.0	11.0
140°	2.7	3.7	3.7	4.6	5.5	6.4	6.4	7.3	7.3	7.3
142.5°	1.8	2.7	2.7	3.7	3.7	4.6	4.6	4.6	5.5	5.5
145°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



TEST NUMBER: P895496  
 CATALOG NUMBER: 8TMB-SC3-RND-UNV-CC83-LOW-3500K

**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	15.23	16.77	15.70	17.23	17.71	16.80	18.34	17.27	18.80	19.28
	3H	16.91	18.31	17.39	18.78	19.30	19.43	20.83	19.91	21.30	21.83
	4H	17.51	18.84	18.01	19.32	19.86	20.74	22.07	21.24	22.55	23.09
	6H	17.90	19.14	18.42	19.64	20.20	22.14	23.38	22.66	23.88	24.44
	8H	18.02	19.21	18.55	19.73	20.29	22.89	24.08	23.42	24.60	25.17
	12H	18.10	19.24	18.63	19.75	20.35	23.74	24.88	24.28	25.40	25.99
4H	2H	16.16	17.49	16.66	17.97	18.51	17.35	18.68	17.86	19.17	19.71
	3H	18.14	19.27	18.65	19.80	20.37	20.27	21.41	20.79	21.93	22.50
	4H	18.91	19.95	19.45	20.49	21.09	21.79	22.84	22.33	23.37	23.97
	6H	19.49	20.41	20.05	20.98	21.59	23.44	24.36	23.99	24.92	25.53
	8H	19.68	20.54	20.24	21.11	21.73	24.32	25.19	24.88	25.75	26.37
	12H	19.80	20.59	20.38	21.18	21.81	25.32	26.11	25.91	26.70	27.33
8H	4H	19.79	20.66	20.35	21.22	21.85	22.16	23.02	22.72	23.59	24.21
	6H	20.67	21.41	21.27	22.02	22.64	24.06	24.79	24.65	25.40	26.03
	8H	21.02	21.69	21.63	22.30	22.94	25.14	25.81	25.75	26.42	27.06
	12H	21.29	21.89	21.90	22.49	23.20	26.40	27.00	27.01	27.60	28.31
12H	4H	20.07	20.86	20.65	21.45	22.08	22.20	22.99	22.78	23.58	24.20
	6H	21.12	21.79	21.73	22.41	23.05	24.17	24.83	24.77	25.45	26.09
	8H	21.64	22.24	22.25	22.84	23.55	25.36	25.96	25.97	26.56	27.27