

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: P895115

Luminaire Tested: 8TMB-6SL-FLTU-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895115
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-L940
Description: 6000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 400
Light Source: -
Ballast/Driver: -

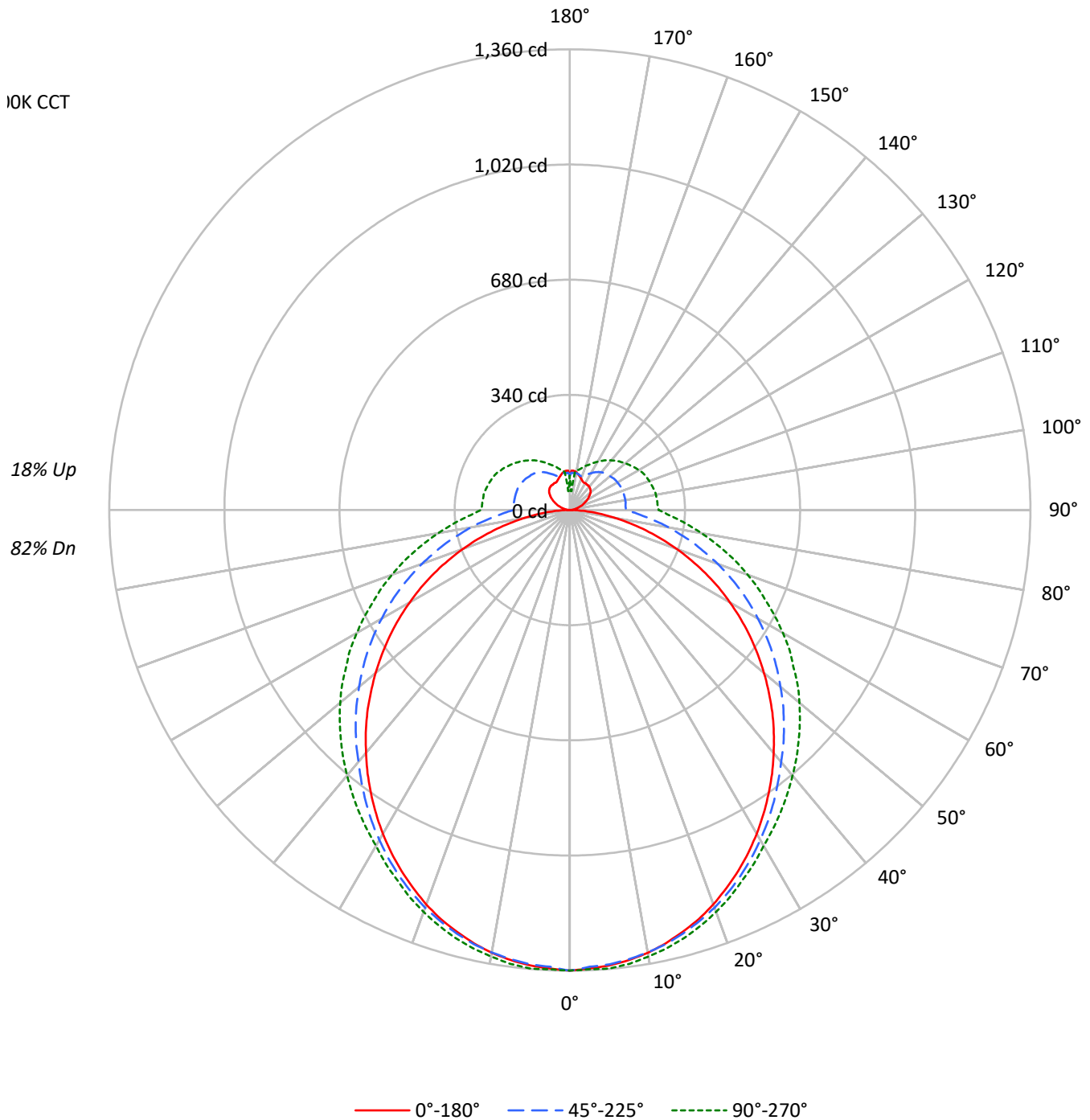
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5140.0 lumens
Efficiency: N/A
Efficacy: 121.8 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_{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

TEST NUMBER: P895115
CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L940

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	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°	4824	4824	4824
5°	4796	4630	4617
10°	4760	4459	4398
15°	4701	4286	4188
20°	4635	4109	3975
25°	4548	3924	3760
30°	4455	3734	3563
35°	4352	3543	3401
40°	4243	3355	3246
45°	4135	3191	3099
50°	4008	3021	2956
55°	3873	2854	2796
60°	3709	2675	2645
65°	3514	2486	2473
70°	3257	2278	2313
75°	2901	2064	2141
80°	2431	1837	1964
85°	1831	1605	1803

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4135 cd/sqm



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 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.6	2.5
10°-20°	366.7	7.1
20°-30°	550.9	10.7
30°-40°	661.6	12.9
40°-50°	695.6	13.5
50°-60°	653.6	12.7
60°-70°	543.5	10.6
70°-80°	387.8	7.5
80°-90°	230.8	4.5
90°-100°	167.1	3.3
100°-110°	164.9	3.2
110°-120°	154.9	3.0
120°-130°	137.2	2.7
130°-140°	113.7	2.2
140°-150°	85.1	1.7
150°-160°	56.0	1.1
160°-170°	31.7	0.6
170°-180°	10.1	0.2
0°-30°	1046.2	20.4
0°-40°	1707.8	33.2
0°-60°	3057.0	59.5
0°-90°	4219.2	82.1
90°-120°	486.9	9.5
90°-150°	823.0	16.0
90°-180°	921.0	17.9
0°-180°	5140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1350	1366	1346	1350	1358	128
15°	1289	1309	1294	1302	1308	364
25°	1176	1198	1192	1203	1206	542
35°	1023	1047	1050	1076	1086	640
45°	846	869	894	940	956	652
55°	649	676	729	788	806	580
65°	442	478	554	623	641	437
75°	232	284	379	452	476	247
85°	58	128	222	297	322	64
90°	0	73	165	237	262	4
95°	6	77	165	235	260	7
105°	24	86	166	232	254	25
115°	46	93	165	222	245	46
125°	70	99	160	209	225	62
135°	86	104	152	190	204	66
145°	91	102	137	169	179	57
155°	92	103	116	143	152	43
165°	106	112	108	109	127	30
175°	117	116	109	93	56	11
180°	102	102	102	102	102	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6
2.5°	1354.7	1358.4	1359.6	1372.0	1367.1	1372.0	1363.3	1353.4	1350.9	1357.1	1349.7
5°	1349.7	1353.4	1354.7	1367.1	1362.1	1365.8	1358.4	1348.4	1346.0	1353.4	1346.0
7.5°	1339.8	1343.5	1344.7	1358.4	1352.2	1357.1	1348.4	1338.5	1337.3	1344.7	1337.3
10°	1327.3	1331.1	1332.3	1344.7	1339.8	1344.7	1336.0	1326.1	1324.9	1333.5	1326.1
12.5°	1310.0	1313.7	1316.2	1328.6	1322.4	1328.6	1318.6	1308.7	1310.0	1317.4	1312.4
15°	1288.8	1293.8	1295.1	1307.5	1302.5	1308.7	1298.8	1288.8	1291.3	1298.8	1293.8
17.5°	1266.5	1271.5	1272.7	1283.9	1278.9	1286.4	1275.2	1266.5	1269.0	1276.4	1272.7
20°	1239.2	1244.1	1246.6	1257.8	1252.8	1260.3	1249.1	1241.7	1244.1	1252.8	1249.1
22.5°	1208.1	1215.6	1216.8	1229.2	1223.0	1230.5	1219.3	1213.1	1216.8	1225.5	1221.8
25°	1175.9	1183.3	1184.5	1197.0	1192.0	1198.2	1187.0	1180.8	1185.8	1194.5	1192.0
27.5°	1141.1	1148.5	1151.0	1162.2	1157.2	1164.7	1152.3	1148.5	1153.5	1162.2	1159.7
30°	1103.8	1111.3	1112.5	1123.7	1120.0	1127.4	1116.3	1111.3	1118.7	1127.4	1124.9
32.5°	1064.1	1071.6	1075.3	1085.2	1081.5	1087.7	1077.8	1075.3	1081.5	1090.2	1088.9
35°	1023.1	1030.6	1034.3	1045.5	1040.5	1046.7	1036.8	1034.3	1044.2	1050.4	1050.4
37.5°	980.9	988.4	992.1	1003.3	997.1	1004.5	994.6	993.3	1004.5	1010.7	1010.7
40°	936.2	944.9	948.6	958.6	953.6	959.8	951.1	952.4	962.3	969.7	971.0
42.5°	891.5	900.2	903.9	915.1	908.9	915.1	907.7	908.9	920.1	927.5	933.7
45°	845.6	853.0	856.7	869.2	861.7	869.2	861.7	864.2	875.4	886.5	894.0
47.5°	797.1	804.6	810.8	820.7	814.5	820.7	815.8	819.5	833.2	844.3	854.3
50°	748.7	756.2	762.4	771.1	764.9	773.6	767.3	772.3	789.7	800.9	812.0
52.5°	699.1	705.3	715.2	720.2	715.2	725.1	720.2	727.6	745.0	758.7	771.1
55°	649.4	655.6	665.5	669.3	664.3	675.5	671.7	681.7	700.3	715.2	728.9
57.5°	598.5	604.7	613.4	617.1	613.4	625.8	624.6	635.7	654.4	670.5	685.4
60°	546.3	552.5	560.0	563.7	563.7	576.1	576.1	589.8	609.7	624.6	641.9
62.5°	495.4	499.1	506.6	511.6	515.3	527.7	527.7	542.6	563.7	581.1	598.5
65°	442.0	445.8	452.0	458.2	464.4	478.0	479.3	495.4	516.5	533.9	553.8
67.5°	388.6	392.4	398.6	406.0	414.7	428.4	430.9	448.2	470.6	490.5	509.1
70°	336.5	337.7	345.2	355.1	365.0	378.7	382.4	401.1	424.6	444.5	464.4
72.5°	284.3	285.6	293.0	305.4	316.6	331.5	336.5	356.4	379.9	399.8	419.7
75°	232.2	233.4	243.4	258.3	270.7	284.3	290.5	311.7	335.2	356.4	378.7
77.5°	182.5	185.0	194.9	209.8	224.7	240.9	247.1	268.2	294.3	314.1	335.2
80°	136.6	139.1	150.2	166.4	182.5	197.4	204.9	226.0	253.3	273.2	296.8
82.5°	94.4	98.1	111.7	129.1	145.3	161.4	168.9	188.7	213.6	235.9	258.3
85°	58.4	63.3	77.0	95.6	113.0	127.9	135.3	156.4	180.0	201.1	222.3
87.5°	27.3	34.8	48.4	67.0	85.7	98.1	106.8	127.9	150.2	171.3	192.5
90°	0.0	11.2	24.8	43.5	62.1	73.3	83.2	103.1	125.4	145.3	165.1
92.5°	2.5	12.4	27.3	44.7	63.3	74.5	84.4	104.3	125.4	145.3	165.1
95°	6.2	13.7	28.6	47.2	65.8	77.0	85.7	105.5	126.6	146.5	165.1
97.5°	11.2	17.4	32.3	49.7	68.3	78.2	88.2	108.0	127.9	147.8	166.4
100°	14.9	19.9	34.8	52.1	70.8	80.7	90.6	109.3	129.1	149.0	166.4
102.5°	18.6	24.8	38.5	54.6	73.3	83.2	91.9	110.5	130.4	149.0	166.4
105°	23.6	28.6	41.0	58.4	75.7	85.7	94.4	113.0	131.6	150.2	166.4
107.5°	28.6	32.3	44.7	60.8	78.2	86.9	95.6	114.2	132.9	150.2	166.4
110°	34.8	37.2	48.4	63.3	79.5	89.4	98.1	115.5	132.9	150.2	166.4



TEST NUMBER: P895115
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	41.0	41.0	52.1	65.8	81.9	90.6	99.3	116.7	134.1	150.2	166.4
115°	45.9	47.2	55.9	68.3	84.4	93.1	100.6	116.7	134.1	150.2	165.1
117.5°	52.1	52.1	60.8	70.8	85.7	94.4	103.1	118.0	134.1	149.0	163.9
120°	58.4	57.1	64.6	74.5	88.2	95.6	104.3	119.2	134.1	149.0	162.7
122.5°	64.6	62.1	67.0	77.0	89.4	98.1	104.3	119.2	134.1	147.8	161.4
125°	69.5	67.0	70.8	80.7	91.9	99.3	105.5	119.2	134.1	146.5	160.2
127.5°	74.5	72.0	75.7	83.2	93.1	99.3	106.8	119.2	134.1	145.3	157.7
130°	79.5	75.7	80.7	85.7	95.6	100.6	106.8	119.2	132.9	144.0	155.2
132.5°	83.2	79.5	84.4	88.2	96.8	101.8	108.0	119.2	131.6	142.8	154.0
135°	85.7	81.9	88.2	90.6	99.3	104.3	109.3	119.2	130.4	141.5	151.5
137.5°	88.2	83.2	90.6	93.1	100.6	105.5	109.3	118.0	129.1	139.1	149.0
140°	89.4	85.7	93.1	95.6	99.3	104.3	109.3	116.7	126.6	136.6	145.3
142.5°	90.6	85.7	94.4	96.8	99.3	103.1	108.0	114.2	124.2	132.9	141.5
145°	90.6	86.9	94.4	96.8	99.3	101.8	105.5	113.0	120.4	127.9	136.6
147.5°	90.6	88.2	95.6	98.1	100.6	100.6	103.1	110.5	116.7	124.2	131.6
150°	91.9	88.2	95.6	98.1	101.8	101.8	103.1	106.8	114.2	119.2	125.4
152.5°	90.6	89.4	94.4	99.3	101.8	103.1	103.1	104.3	110.5	115.5	120.4
155°	91.9	91.9	95.6	101.8	103.1	103.1	104.3	103.1	105.5	110.5	115.5
157.5°	94.4	96.8	96.8	103.1	105.5	105.5	106.8	105.5	104.3	105.5	110.5
160°	98.1	100.6	100.6	104.3	108.0	108.0	109.3	108.0	106.8	105.5	105.5
162.5°	101.8	104.3	104.3	105.5	109.3	110.5	111.7	110.5	109.3	106.8	105.5
165°	105.5	108.0	108.0	108.0	110.5	111.7	113.0	111.7	111.7	109.3	108.0
167.5°	109.3	111.7	111.7	110.5	111.7	113.0	114.2	113.0	113.0	111.7	109.3
170°	113.0	115.5	115.5	113.0	114.2	114.2	115.5	114.2	114.2	111.7	110.5
172.5°	115.5	118.0	116.7	115.5	115.5	115.5	115.5	114.2	113.0	110.5	110.5
175°	116.7	119.2	119.2	116.7	115.5	115.5	116.7	114.2	113.0	111.7	109.3
177.5°	116.7	119.2	119.2	116.7	116.7	115.5	116.7	115.5	115.5	113.0	110.5
180°	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6	1359.6
2.5°	1354.7	1353.4	1346.0	1354.7	1354.7	1352.2	1362.1	1360.9	1359.6	1357.1
5°	1349.7	1348.4	1341.0	1349.7	1349.7	1348.4	1358.4	1359.6	1360.9	1358.4
7.5°	1342.2	1341.0	1333.5	1342.2	1342.2	1341.0	1352.2	1353.4	1354.7	1350.9
10°	1331.1	1329.8	1322.4	1331.1	1332.3	1331.1	1339.8	1341.0	1343.5	1338.5
12.5°	1316.2	1316.2	1308.7	1317.4	1318.6	1317.4	1326.1	1328.6	1331.1	1324.9
15°	1297.5	1298.8	1292.6	1301.3	1302.5	1302.5	1311.2	1312.4	1316.2	1307.5
17.5°	1275.2	1277.7	1272.7	1281.4	1282.6	1283.9	1288.8	1292.6	1296.3	1286.4
20°	1251.6	1252.8	1249.1	1256.6	1259.0	1257.8	1264.0	1269.0	1272.7	1262.8
22.5°	1223.0	1224.3	1220.6	1228.0	1230.5	1231.7	1236.7	1242.9	1245.4	1236.7
25°	1190.8	1195.7	1193.2	1200.7	1203.2	1203.2	1208.1	1214.3	1218.1	1205.7
27.5°	1159.7	1165.9	1163.4	1170.9	1173.4	1174.6	1177.1	1184.5	1188.3	1177.1
30°	1124.9	1132.4	1131.2	1138.6	1141.1	1139.8	1144.8	1152.3	1157.2	1144.8
32.5°	1086.5	1096.4	1095.1	1105.1	1107.6	1108.8	1112.5	1122.5	1127.4	1116.3
35°	1049.2	1060.4	1061.6	1072.8	1076.5	1077.8	1082.7	1092.7	1097.6	1086.5
37.5°	1010.7	1025.6	1029.3	1040.5	1044.2	1045.5	1050.4	1061.6	1066.6	1055.4
40°	973.5	990.8	995.8	1005.7	1009.5	1013.2	1016.9	1028.1	1034.3	1023.1
42.5°	936.2	954.8	961.0	971.0	974.7	978.4	983.4	995.8	1000.8	990.8
45°	897.7	917.6	925.0	935.0	939.9	943.7	948.6	959.8	966.0	956.1
47.5°	859.2	879.1	886.5	897.7	902.7	907.7	911.4	925.0	931.2	921.3
50°	818.3	840.6	849.3	859.2	866.7	870.4	875.4	887.8	894.0	885.3
52.5°	777.3	800.9	810.8	820.7	828.2	834.4	836.9	850.5	856.7	848.1
55°	735.1	758.7	769.8	781.0	788.5	795.9	798.4	812.0	818.3	805.8
57.5°	692.8	717.7	728.9	741.3	747.5	756.2	759.9	772.3	778.5	769.8
60°	650.6	674.2	687.9	699.1	707.7	715.2	717.7	731.3	737.5	726.4
62.5°	607.2	632.0	645.7	658.1	665.5	674.2	677.9	690.4	695.3	684.2
65°	562.5	587.3	602.2	613.4	623.3	630.8	633.2	646.9	651.9	640.7
67.5°	517.8	542.6	558.7	571.2	579.9	588.5	591.0	604.7	609.7	601.0
70°	474.3	499.1	515.3	530.2	536.4	545.1	548.8	561.2	566.2	558.7
72.5°	430.9	455.7	473.1	488.0	494.2	502.9	507.8	517.8	525.2	519.0
75°	388.6	413.5	430.9	445.8	452.0	460.7	465.6	475.6	480.5	475.6
77.5°	347.7	372.5	388.6	403.5	411.0	418.4	423.4	433.3	439.5	434.6
80°	307.9	332.8	348.9	362.6	370.0	377.5	382.4	393.6	398.6	394.8
82.5°	270.7	294.3	311.7	325.3	332.8	340.2	345.2	355.1	361.3	356.4
85°	237.2	260.7	276.9	290.5	296.8	304.2	309.2	319.1	324.1	321.6
87.5°	204.9	226.0	244.6	258.3	264.5	271.9	278.1	285.6	291.8	288.1
90°	180.0	198.7	216.0	229.7	237.2	244.6	252.1	259.5	264.5	262.0
92.5°	181.3	198.7	214.8	227.2	234.7	242.1	249.6	258.3	262.0	259.5
95°	181.3	198.7	214.8	227.2	234.7	242.1	249.6	258.3	262.0	259.5
97.5°	181.3	198.7	214.8	227.2	234.7	242.1	249.6	258.3	262.0	258.3
100°	181.3	198.7	214.8	227.2	234.7	240.9	248.3	257.0	260.7	258.3
102.5°	181.3	198.7	213.6	226.0	233.4	239.6	247.1	255.8	259.5	257.0
105°	181.3	197.4	213.6	224.7	232.2	238.4	245.8	253.3	257.0	254.5
107.5°	180.0	196.2	211.1	223.5	229.7	235.9	243.4	250.8	254.5	252.1
110°	180.0	194.9	209.8	221.0	227.2	233.4	240.9	248.3	252.1	249.6



TEST NUMBER: P895115
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	178.8	193.7	208.6	218.5	224.7	230.9	237.2	245.8	249.6	247.1
115°	177.6	192.5	206.1	216.0	222.3	227.2	234.7	243.4	245.8	244.6
117.5°	176.3	190.0	203.6	213.6	219.8	224.7	230.9	238.4	242.1	240.9
120°	175.1	187.5	201.1	209.8	216.0	221.0	226.0	233.4	237.2	234.7
122.5°	172.6	185.0	198.7	207.4	212.3	217.3	222.3	228.5	232.2	230.9
125°	170.1	182.5	194.9	203.6	208.6	212.3	217.3	223.5	226.0	224.7
127.5°	167.6	180.0	191.2	198.7	204.9	208.6	212.3	218.5	221.0	219.8
130°	165.1	176.3	187.5	194.9	199.9	203.6	207.4	213.6	214.8	214.8
132.5°	162.7	172.6	183.8	191.2	196.2	198.7	202.4	207.4	209.8	208.6
135°	160.2	168.9	180.0	186.2	190.0	193.7	197.4	202.4	203.6	203.6
137.5°	156.4	165.1	175.1	181.3	185.0	187.5	191.2	196.2	197.4	197.4
140°	152.7	161.4	170.1	175.1	180.0	182.5	185.0	190.0	191.2	191.2
142.5°	149.0	156.4	165.1	170.1	175.1	176.3	180.0	183.8	185.0	185.0
145°	144.0	152.7	160.2	165.1	168.9	170.1	173.8	177.6	177.6	178.8
147.5°	137.8	145.3	155.2	158.9	162.7	163.9	167.6	170.1	171.3	171.3
150°	131.6	139.1	147.8	154.0	157.7	158.9	160.2	163.9	163.9	165.1
152.5°	125.4	131.6	140.3	146.5	151.5	152.7	154.0	156.4	156.4	157.7
155°	119.2	124.2	131.6	137.8	142.8	145.3	147.8	150.2	150.2	151.5
157.5°	114.2	119.2	125.4	130.4	134.1	137.8	141.5	144.0	144.0	144.0
160°	108.0	111.7	118.0	121.7	126.6	129.1	135.3	137.8	137.8	139.1
162.5°	104.3	105.5	109.3	113.0	116.7	119.2	125.4	131.6	131.6	132.9
165°	105.5	104.3	105.5	106.8	109.3	110.5	114.2	122.9	125.4	126.6
167.5°	108.0	104.3	104.3	104.3	106.8	106.8	110.5	115.5	124.2	121.7
170°	108.0	104.3	101.8	101.8	103.1	101.8	104.3	108.0	113.0	118.0
172.5°	109.3	105.5	101.8	96.8	98.1	96.8	94.4	94.4	95.6	111.7
175°	108.0	105.5	100.6	94.4	93.1	89.4	81.9	75.7	72.0	55.9
177.5°	106.8	103.1	99.3	94.4	91.9	88.2	79.5	69.5	59.6	57.1
180°	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8	101.8



TEST NUMBER: P895115
 CATALOG NUMBER: 8TMB-6SL-FLTU-UNV-L940

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	13.17	14.49	13.79	15.13	15.85	15.80	17.12	16.42	17.76	18.48
	3H	14.58	15.78	15.21	16.42	17.18	18.27	19.47	18.89	20.11	20.87
	4H	15.01	16.14	15.65	16.80	17.57	19.43	20.57	20.08	21.23	22.00
	6H	15.24	16.30	15.90	16.97	17.75	20.61	21.67	21.28	22.34	23.12
	8H	15.29	16.30	15.96	16.98	17.77	21.21	22.22	21.88	22.90	23.69
	12H	15.30	16.26	15.97	16.94	17.76	21.84	22.81	22.52	23.49	24.31
4H	2H	14.08	15.22	14.73	15.87	16.64	16.15	17.29	16.80	17.94	18.71
	3H	15.70	16.67	16.36	17.36	18.15	18.81	19.78	19.47	20.47	21.26
	4H	16.25	17.14	16.93	17.84	18.65	20.13	21.01	20.81	21.71	22.53
	6H	16.59	17.37	17.29	18.09	18.92	21.48	22.26	22.18	22.98	23.81
	8H	16.67	17.40	17.37	18.12	18.96	22.17	22.90	22.87	23.62	24.46
	12H	16.70	17.36	17.42	18.10	18.95	22.92	23.58	23.65	24.33	25.17
8H	4H	16.92	17.65	17.62	18.37	19.21	20.28	21.01	20.98	21.73	22.57
	6H	17.42	18.04	18.15	18.80	19.64	21.77	22.39	22.50	23.15	23.99
	8H	17.58	18.13	18.32	18.89	19.75	22.58	23.14	23.32	23.90	24.75
	12H	17.67	18.16	18.41	18.91	19.83	23.49	23.98	24.24	24.74	25.65
12H	4H	17.09	17.75	17.81	18.49	19.34	20.27	20.93	20.99	21.67	22.52
	6H	17.69	18.24	18.43	19.00	19.86	21.79	22.34	22.53	23.10	23.96
	8H	17.92	18.42	18.67	19.17	20.08	22.65	23.14	23.40	23.89	24.81