

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: P893790

Luminaire Tested: 4MB-6SL-RNDU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893790
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: 4MB-6SL-RNDU-UNV-L935
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

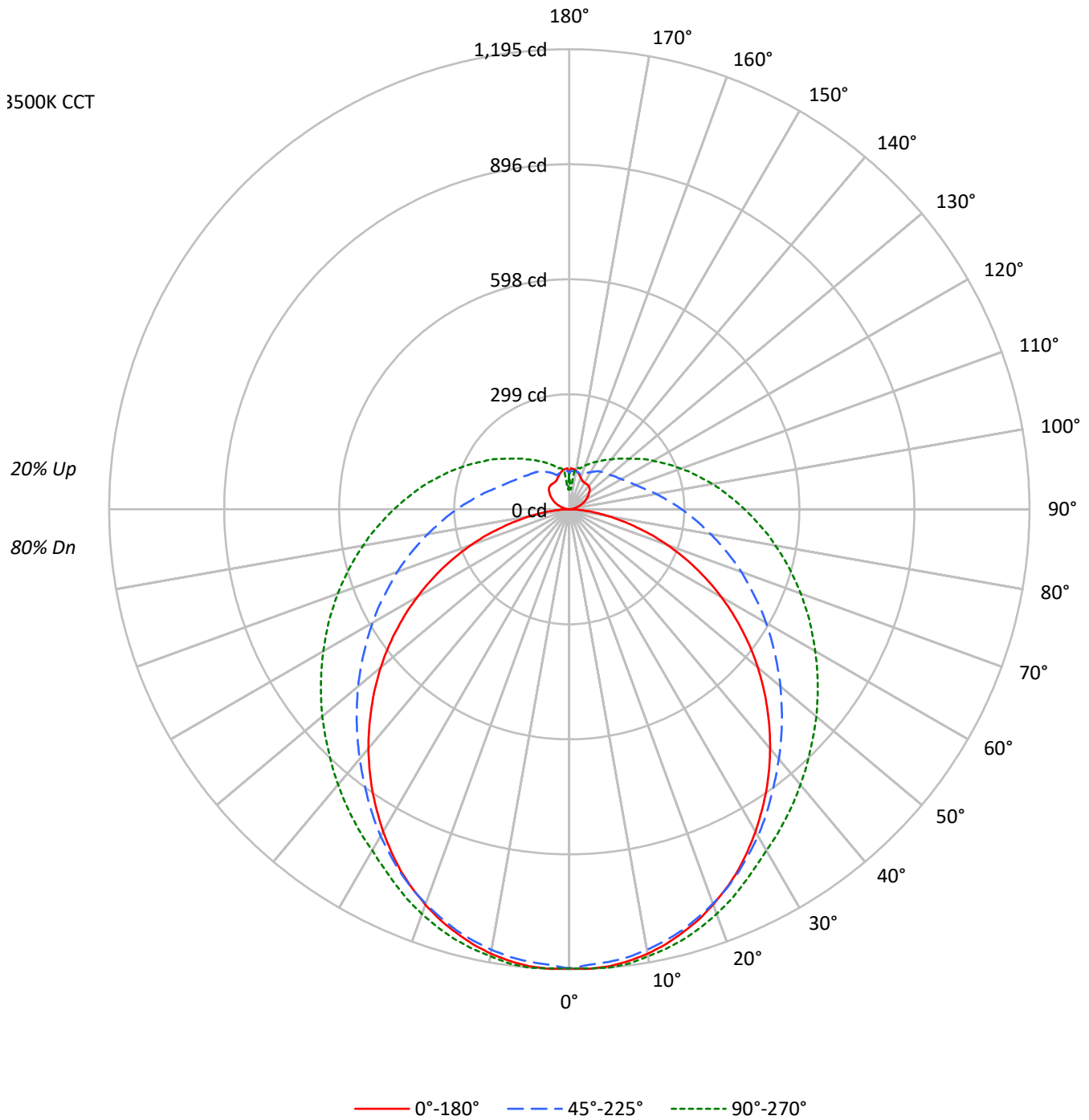
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5016.0 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 44.4
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893790
CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L935

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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8485	8485	8485
5°	8470	8127	8143
10°	8391	7810	7767
15°	8267	7489	7419
20°	8119	7151	7063
25°	7939	6812	6705
30°	7710	6469	6388
35°	7473	6116	6154
40°	7218	5797	5942
45°	6944	5515	5753
50°	6656	5263	5607
55°	6326	5030	5480
60°	5951	4838	5385
65°	5496	4670	5332
70°	4932	4565	5314
75°	4176	4490	5337
80°	3264	4489	5422
85°	2084	4607	5599

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6944 cd/sqm



TEST NUMBER: P893790
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	2.2
10°-20°	321.7	6.4
20°-30°	483.0	9.6
30°-40°	580.9	11.6
40°-50°	615.4	12.3
50°-60°	592.7	11.8
60°-70°	524.5	10.5
70°-80°	430.2	8.6
80°-90°	333.8	6.7
90°-100°	259.1	5.2
100°-110°	205.3	4.1
110°-120°	163.6	3.3
120°-130°	129.9	2.6
130°-140°	101.4	2.0
140°-150°	74.7	1.5
150°-160°	49.4	1.0
160°-170°	28.4	0.6
170°-180°	9.1	0.2
0°-30°	917.6	18.3
0°-40°	1498.4	29.9
0°-60°	2706.5	54.0
0°-90°	3995.1	79.6
90°-120°	628.0	12.5
90°-150°	934.0	18.6
90°-180°	1021.0	20.4
0°-180°	5016.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1191	1193	1180	1189	1195	113
15°	1138	1139	1132	1149	1155	321
25°	1036	1039	1039	1066	1072	477
35°	892	903	913	961	980	558
45°	726	743	781	854	885	560
55°	548	575	651	748	788	490
65°	363	413	530	641	689	359
75°	182	272	422	541	591	194
85°	41	164	330	450	498	47
90°	1	129	292	408	455	3
95°	6	107	258	369	414	6
105°	20	86	203	302	342	22
115°	41	83	169	246	279	40
125°	59	86	148	203	228	53
135°	75	92	133	170	186	57
145°	79	91	120	146	156	50
155°	81	94	103	125	132	38
165°	95	101	98	98	110	27
175°	106	104	100	83	56	10
180°	92	92	92	92	92	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6
2.5°	1194.8	1193.7	1196.0	1198.2	1205.0	1196.0	1200.5	1188.0	1189.2	1190.3	1184.6
5°	1191.4	1188.0	1191.4	1193.7	1199.4	1192.6	1197.1	1183.5	1184.6	1186.9	1180.1
7.5°	1183.5	1180.1	1182.3	1184.6	1190.3	1183.5	1189.2	1175.5	1177.8	1178.9	1173.3
10°	1172.1	1167.6	1169.9	1173.3	1177.8	1172.1	1176.7	1164.2	1165.3	1167.6	1161.9
12.5°	1157.4	1152.8	1155.1	1157.4	1163.1	1157.4	1161.9	1149.4	1151.7	1154.0	1148.3
15°	1138.1	1133.6	1135.8	1138.1	1142.6	1139.2	1143.8	1131.3	1133.6	1138.1	1132.4
17.5°	1117.7	1110.9	1113.1	1116.5	1121.1	1118.8	1122.2	1112.0	1113.1	1117.7	1112.0
20°	1092.7	1085.9	1088.2	1091.6	1096.1	1095.0	1097.2	1088.2	1090.4	1096.1	1090.4
22.5°	1065.5	1058.7	1060.9	1065.5	1068.9	1068.9	1070.0	1063.2	1065.5	1071.1	1066.6
25°	1036.0	1029.2	1031.4	1036.0	1039.4	1039.4	1041.6	1034.8	1038.2	1043.9	1039.4
27.5°	1001.9	998.5	998.5	1003.1	1005.3	1007.6	1008.7	1003.1	1007.6	1013.3	1009.9
30°	966.8	962.2	964.5	970.2	970.2	974.7	974.7	970.2	975.8	982.6	980.4
32.5°	929.3	925.9	927.0	933.9	933.9	939.5	938.4	936.1	941.8	949.7	947.5
35°	891.9	888.5	889.6	896.4	896.4	903.2	900.9	900.9	906.6	915.7	913.4
37.5°	852.2	849.9	851.0	857.8	857.8	864.6	862.4	863.5	870.3	880.5	879.4
40°	811.3	809.0	811.3	817.0	819.2	824.9	822.7	824.9	834.0	843.1	846.5
42.5°	769.3	768.2	770.5	776.1	778.4	784.1	782.9	786.3	795.4	809.0	813.6
45°	726.2	726.2	728.5	734.1	736.4	743.2	742.1	746.6	758.0	772.7	780.7
47.5°	683.1	684.2	685.4	692.2	692.2	703.5	700.1	706.9	721.7	738.7	747.8
50°	638.8	641.1	642.2	647.9	650.2	660.4	658.1	669.5	685.4	703.5	716.0
52.5°	594.6	596.8	599.1	603.7	605.9	618.4	616.1	630.9	650.2	669.5	683.1
55°	548.1	552.6	553.7	559.4	562.8	575.3	575.3	592.3	612.7	634.3	651.3
57.5°	502.7	507.2	508.3	515.2	519.7	534.4	536.7	556.0	578.7	600.3	620.7
60°	456.1	461.8	463.0	469.8	477.7	493.6	497.0	518.6	543.5	566.2	590.0
62.5°	409.6	415.3	417.6	424.4	436.9	452.7	458.4	483.4	509.5	534.4	560.5
65°	363.1	368.8	372.2	381.3	396.0	413.0	421.0	447.1	476.6	502.7	529.9
67.5°	316.6	323.4	327.9	339.3	358.6	376.7	384.7	414.2	444.8	473.2	501.5
70°	271.2	278.0	283.7	298.4	321.1	339.3	349.5	381.3	413.0	443.7	475.4
72.5°	226.9	233.7	241.7	259.8	284.8	305.2	316.6	349.5	384.7	415.3	448.2
75°	181.6	189.5	198.6	223.5	251.9	272.3	284.8	320.0	356.3	386.9	422.1
77.5°	140.7	148.6	162.3	187.2	219.0	241.7	255.3	292.8	330.2	360.8	397.1
80°	103.3	111.2	129.4	156.6	189.5	211.1	228.1	266.7	305.2	337.0	373.3
82.5°	70.4	78.3	99.9	129.4	164.5	186.1	202.0	242.8	281.4	314.3	350.6
85°	40.8	52.2	74.9	106.7	143.0	164.5	180.4	222.4	259.8	292.8	330.2
87.5°	18.2	31.8	56.7	88.5	124.8	145.2	162.3	200.8	240.6	273.5	310.9
90°	1.1	18.2	44.3	74.9	110.1	129.4	145.2	183.8	221.3	255.3	291.6
92.5°	2.3	12.5	36.3	64.7	97.6	116.9	132.8	169.1	204.2	239.4	274.6
95°	5.7	12.5	31.8	57.9	88.5	106.7	121.4	156.6	189.5	223.5	257.6
97.5°	9.1	13.6	30.6	54.5	81.7	98.7	112.3	145.2	178.1	208.8	242.8
100°	12.5	17.0	30.6	52.2	77.2	93.0	105.5	136.2	166.8	195.2	229.2
102.5°	15.9	20.4	32.9	52.2	74.9	88.5	101.0	129.4	157.7	183.8	215.6
105°	20.4	23.8	35.2	52.2	72.6	86.2	96.4	122.5	149.8	174.7	203.1
107.5°	25.0	27.2	37.4	53.3	72.6	84.0	94.2	118.0	143.0	165.7	192.9
110°	30.6	31.8	40.8	55.6	72.6	82.8	91.9	114.6	137.3	158.9	183.8



TEST NUMBER: P893790

CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	35.2	35.2	44.3	57.9	72.6	82.8	90.8	111.2	132.8	152.0	175.9
115°	40.8	40.8	47.7	60.1	73.8	82.8	90.8	110.1	129.4	146.4	169.1
117.5°	45.4	45.4	52.2	62.4	76.0	84.0	90.8	107.8	126.0	141.8	162.3
120°	49.9	49.9	54.5	64.7	77.2	85.1	90.8	106.7	122.5	138.4	156.6
122.5°	54.5	54.5	57.9	68.1	78.3	85.1	90.8	105.5	120.3	133.9	150.9
125°	59.0	59.0	61.3	70.4	80.6	86.2	91.9	105.5	119.1	130.5	147.5
127.5°	63.5	62.4	65.8	73.8	81.7	87.4	93.0	105.5	116.9	128.2	143.0
130°	66.9	65.8	70.4	76.0	84.0	88.5	93.0	104.4	115.7	126.0	138.4
132.5°	71.5	69.2	74.9	77.2	86.2	90.8	94.2	104.4	114.6	123.7	136.2
135°	74.9	72.6	78.3	80.6	87.4	91.9	95.3	104.4	113.5	122.5	132.8
137.5°	77.2	76.0	81.7	84.0	88.5	93.0	96.4	104.4	112.3	120.3	130.5
140°	78.3	77.2	81.7	86.2	88.5	93.0	95.3	103.3	111.2	118.0	127.1
142.5°	79.4	79.4	82.8	87.4	88.5	91.9	95.3	102.1	108.9	114.6	124.8
145°	79.4	79.4	82.8	88.5	89.6	90.8	93.0	99.9	105.5	111.2	120.3
147.5°	79.4	79.4	84.0	88.5	90.8	91.9	90.8	97.6	103.3	107.8	115.7
150°	79.4	79.4	84.0	88.5	91.9	93.0	91.9	95.3	99.9	104.4	111.2
152.5°	80.6	80.6	84.0	88.5	91.9	93.0	93.0	93.0	96.4	101.0	107.8
155°	80.6	81.7	84.0	90.8	93.0	94.2	94.2	94.2	93.0	97.6	103.3
157.5°	84.0	85.1	86.2	91.9	94.2	95.3	95.3	95.3	94.2	93.0	98.7
160°	87.4	88.5	89.6	94.2	96.4	97.6	97.6	97.6	95.3	94.2	94.2
162.5°	90.8	93.0	93.0	95.3	97.6	98.7	98.7	99.9	97.6	96.4	95.3
165°	95.3	96.4	96.4	97.6	99.9	101.0	99.9	101.0	99.9	98.7	97.6
167.5°	98.7	99.9	99.9	101.0	101.0	102.1	102.1	102.1	101.0	99.9	99.9
170°	102.1	103.3	103.3	103.3	103.3	103.3	103.3	103.3	102.1	99.9	99.9
172.5°	104.4	105.5	105.5	104.4	104.4	104.4	104.4	103.3	101.0	99.9	99.9
175°	105.5	106.7	106.7	105.5	104.4	104.4	104.4	103.3	101.0	99.9	99.9
177.5°	106.7	107.8	106.7	106.7	104.4	104.4	104.4	104.4	102.1	101.0	99.9
180°	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6	1192.6
2.5°	1191.4	1177.8	1186.9	1188.0	1192.6	1188.0	1191.4	1188.0	1197.1	1193.7
5°	1186.9	1174.4	1182.3	1183.5	1189.2	1183.5	1189.2	1186.9	1198.2	1194.8
7.5°	1178.9	1168.7	1175.5	1176.7	1183.5	1177.8	1183.5	1181.2	1194.8	1190.3
10°	1167.6	1159.7	1166.5	1167.6	1174.4	1168.7	1173.3	1171.0	1185.8	1178.9
12.5°	1155.1	1148.3	1154.0	1155.1	1163.1	1157.4	1163.1	1160.8	1175.5	1168.7
15°	1137.0	1133.6	1139.2	1141.5	1149.4	1144.9	1150.6	1148.3	1164.2	1155.1
17.5°	1118.8	1116.5	1122.2	1124.5	1133.6	1127.9	1133.6	1131.3	1147.2	1138.1
20°	1096.1	1095.0	1100.7	1104.1	1112.0	1106.3	1113.1	1110.9	1127.9	1118.8
22.5°	1072.3	1072.3	1076.8	1080.2	1088.2	1083.6	1090.4	1089.3	1106.3	1097.2
25°	1046.2	1047.3	1051.9	1056.4	1065.5	1062.1	1067.7	1067.7	1083.6	1072.3
27.5°	1016.7	1022.4	1025.8	1031.4	1039.4	1036.0	1041.6	1042.8	1058.7	1047.3
30°	986.0	994.0	997.4	1004.2	1011.0	1011.0	1016.7	1019.0	1034.8	1023.5
32.5°	954.3	963.4	967.9	977.0	986.0	986.0	994.0	997.4	1013.3	1003.1
35°	922.5	935.0	940.7	952.0	961.1	962.2	970.2	974.7	990.6	980.4
37.5°	891.9	907.8	913.4	927.0	935.0	937.3	946.3	952.0	966.8	957.7
40°	860.1	879.4	886.2	900.9	907.8	912.3	921.4	928.2	941.8	933.9
42.5°	829.5	851.0	857.8	873.7	881.7	886.2	895.3	904.4	918.0	910.0
45°	798.8	822.7	830.6	847.6	854.4	861.2	871.4	879.4	891.9	885.1
47.5°	769.3	794.3	802.2	820.4	828.3	836.3	845.3	856.7	868.0	861.2
50°	738.7	764.8	775.0	794.3	801.1	810.2	821.5	831.7	843.1	837.4
52.5°	709.2	736.4	746.6	767.1	775.0	784.1	795.4	806.8	817.0	812.4
55°	677.4	706.9	718.3	739.8	747.8	756.8	769.3	781.8	790.9	787.5
57.5°	647.9	678.5	689.9	713.7	720.5	731.9	744.4	758.0	765.9	762.5
60°	618.4	649.0	662.7	686.5	694.4	705.8	718.3	733.0	739.8	737.6
62.5°	588.9	620.7	635.4	660.4	667.2	679.7	694.4	706.9	713.7	712.6
65°	561.7	592.3	609.3	634.3	641.1	654.7	668.3	682.0	688.8	688.8
67.5°	533.3	566.2	583.2	609.3	615.0	629.8	644.5	658.1	663.8	663.8
70°	507.2	539.0	558.3	584.4	590.0	603.7	619.5	634.3	638.8	640.0
72.5°	481.1	512.9	533.3	560.5	566.2	579.8	594.6	610.5	613.9	615.0
75°	456.1	487.9	508.3	535.6	541.2	554.9	570.8	585.5	590.0	591.2
77.5°	431.2	463.0	485.6	511.7	517.4	531.0	546.9	561.7	565.1	567.3
80°	408.5	439.1	460.7	489.1	494.7	508.3	523.1	537.8	540.1	543.5
82.5°	385.8	416.4	439.1	466.4	472.0	485.6	500.4	515.2	517.4	522.0
85°	364.2	394.9	417.6	443.7	450.5	463.0	478.8	492.5	494.7	498.1
87.5°	344.9	373.3	397.1	422.1	428.9	441.4	457.3	470.9	472.0	476.6
90°	324.5	352.9	376.7	401.7	408.5	419.8	435.7	449.3	451.6	455.0
92.5°	307.5	333.6	358.6	382.4	388.1	400.5	415.3	428.9	431.2	434.6
95°	289.3	315.4	340.4	363.1	368.8	381.3	394.9	408.5	410.8	414.2
97.5°	273.5	298.4	322.3	344.9	350.6	362.0	376.7	389.2	391.5	396.0
100°	258.7	282.5	307.5	327.9	333.6	344.9	358.6	371.0	373.3	377.9
102.5°	245.1	267.8	291.6	310.9	317.7	327.9	341.5	352.9	355.2	358.6
105°	232.6	254.2	276.9	295.0	301.8	312.0	324.5	335.9	338.1	341.5
107.5°	220.1	240.6	262.1	280.3	285.9	295.0	307.5	318.8	321.1	325.7
110°	208.8	229.2	249.6	266.7	273.5	280.3	292.8	303.0	305.2	308.6



TEST NUMBER: P893790
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L935

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	198.6	216.7	237.2	253.0	258.7	266.7	276.9	287.1	289.3	293.9
115°	189.5	206.5	226.9	241.7	246.2	253.0	264.4	273.5	275.7	279.1
117.5°	181.6	196.3	214.5	229.2	234.9	240.6	250.8	258.7	262.1	264.4
120°	174.7	188.4	204.2	217.9	224.7	229.2	238.3	246.2	249.6	251.9
122.5°	167.9	180.4	195.2	207.6	213.3	216.7	226.9	233.7	237.2	240.6
125°	162.3	173.6	187.2	197.4	203.1	206.5	215.6	222.4	225.8	228.1
127.5°	156.6	166.8	180.4	188.4	194.0	196.3	204.2	211.1	214.5	215.6
130°	150.9	161.1	172.5	180.4	185.0	188.4	195.2	199.7	203.1	204.2
132.5°	146.4	155.5	165.7	173.6	178.1	179.3	186.1	190.6	194.0	195.2
135°	143.0	149.8	160.0	166.8	170.2	172.5	178.1	181.6	185.0	186.1
137.5°	138.4	145.2	154.3	158.9	163.4	164.5	170.2	173.6	177.0	178.1
140°	135.0	140.7	148.6	153.2	157.7	157.7	162.3	165.7	169.1	169.1
142.5°	131.6	137.3	144.1	148.6	152.0	152.0	156.6	158.9	162.3	162.3
145°	127.1	132.8	139.6	143.0	146.4	146.4	149.8	152.0	155.5	155.5
147.5°	122.5	128.2	135.0	137.3	140.7	140.7	144.1	146.4	148.6	148.6
150°	116.9	121.4	129.4	132.8	136.2	136.2	138.4	140.7	143.0	143.0
152.5°	112.3	115.7	122.5	127.1	130.5	130.5	132.8	135.0	137.3	137.3
155°	106.7	110.1	115.7	121.4	124.8	126.0	128.2	129.4	131.6	131.6
157.5°	102.1	105.5	110.1	114.6	118.0	120.3	123.7	124.8	126.0	126.0
160°	96.4	98.7	103.3	107.8	111.2	113.5	119.1	120.3	121.4	121.4
162.5°	94.2	94.2	96.4	99.9	103.3	104.4	110.1	114.6	116.9	115.7
165°	95.3	94.2	94.2	95.3	97.6	98.7	102.1	108.9	111.2	110.1
167.5°	97.6	95.3	94.2	94.2	96.4	96.4	99.9	105.5	112.3	110.1
170°	97.6	94.2	91.9	91.9	93.0	93.0	95.3	98.7	105.5	106.7
172.5°	96.4	94.2	90.8	86.2	87.4	86.2	85.1	87.4	88.5	99.9
175°	97.6	94.2	90.8	85.1	82.8	79.4	73.8	69.2	68.1	55.6
177.5°	96.4	93.0	88.5	84.0	81.7	77.2	70.4	62.4	57.9	51.1
180°	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9



TEST NUMBER: P893790
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L935

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	14.36	15.67	15.00	16.34	17.11	17.90	19.22	18.55	19.88	20.65
	3H	15.71	16.91	16.36	17.58	18.38	20.82	22.02	21.48	22.69	23.50
	4H	16.11	17.25	16.79	17.94	18.75	22.30	23.44	22.97	24.12	24.94
	6H	16.33	17.39	17.02	18.09	18.92	23.86	24.92	24.54	25.61	26.44
	8H	16.36	17.38	17.06	18.10	18.93	24.67	25.68	25.36	26.40	27.23
	12H	16.37	17.34	17.07	18.05	18.92	25.54	26.52	26.25	27.23	28.09
4H	2H	15.50	16.64	16.18	17.33	18.14	18.23	19.36	18.90	20.05	20.87
	3H	17.14	18.12	17.83	18.84	19.68	21.37	22.35	22.06	23.07	23.91
	4H	17.71	18.61	18.42	19.34	20.20	23.02	23.93	23.73	24.65	25.51
	6H	18.06	18.85	18.78	19.60	20.47	24.80	25.59	25.52	26.34	27.21
	8H	18.13	18.88	18.85	19.63	20.51	25.73	26.48	26.46	27.23	28.11
	12H	18.16	18.84	18.90	19.61	20.50	26.75	27.44	27.50	28.21	29.10
8H	4H	18.80	19.55	19.52	20.30	21.18	23.20	23.95	23.93	24.70	25.58
	6H	19.41	20.05	20.16	20.84	21.72	25.15	25.79	25.91	26.58	27.46
	8H	19.61	20.18	20.37	20.97	21.87	26.23	26.81	27.00	27.60	28.50
	12H	19.72	20.24	20.49	21.02	21.97	27.45	27.97	28.22	28.75	29.70
12H	4H	19.15	19.84	19.90	20.61	21.50	23.19	23.88	23.94	24.65	25.54
	6H	19.93	20.51	20.70	21.30	22.20	25.18	25.76	25.95	26.55	27.45
	8H	20.26	20.78	21.03	21.56	22.51	26.33	26.85	27.10	27.62	28.58