

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: P893788

Luminaire Tested: 4MB-6SL-RNDU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893788
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-L850
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

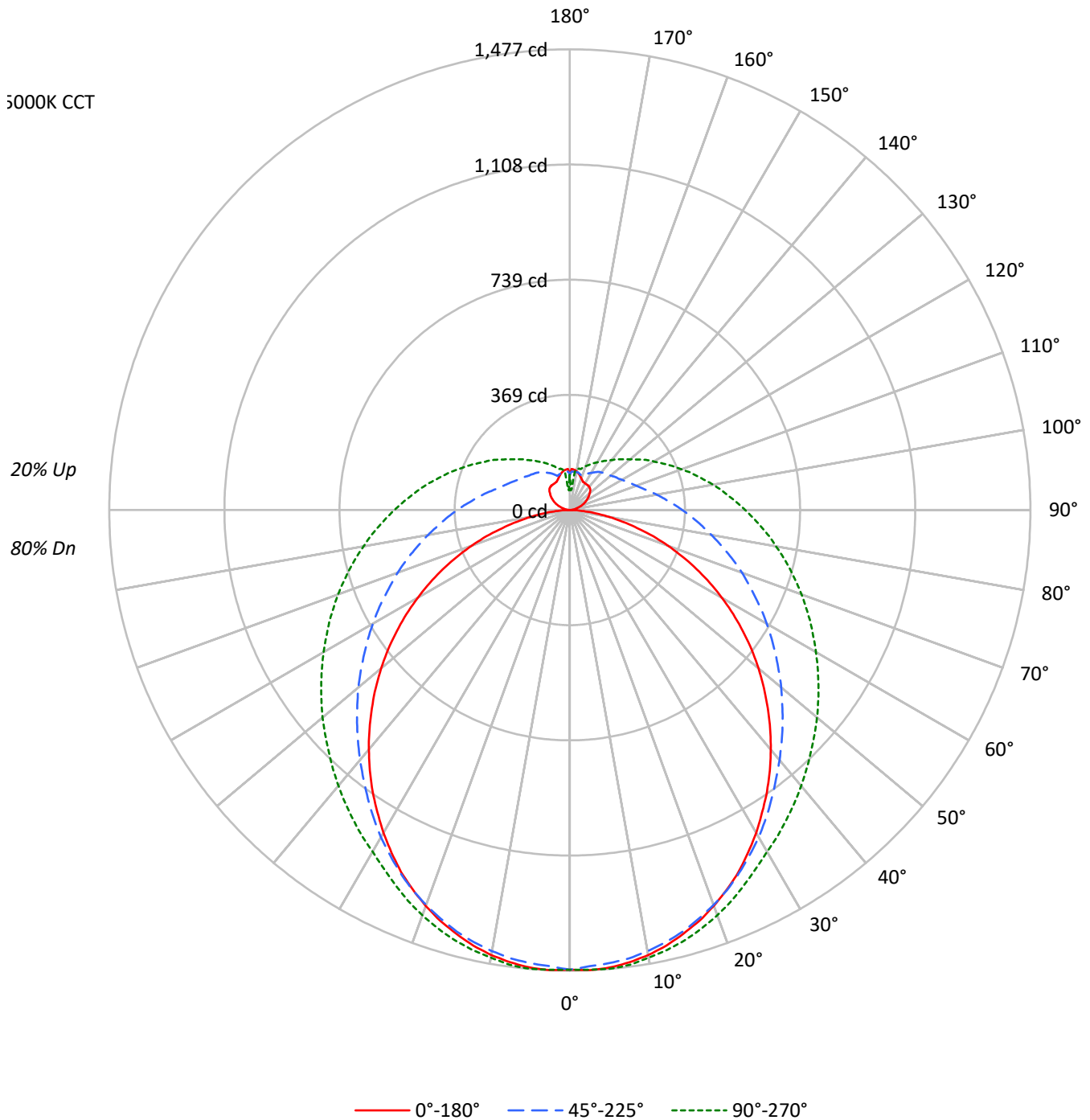
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6199.0 lumens
Efficiency: N/A
Efficacy: 139.6 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: P893788
CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P893788

CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

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°	10486	10486	10486
5°	10468	10043	10064
10°	10370	9652	9599
15°	10217	9256	9169
20°	10034	8838	8729
25°	9811	8418	8286
30°	9528	7995	7895
35°	9235	7559	7606
40°	8920	7164	7343
45°	8581	6815	7110
50°	8226	6505	6930
55°	7817	6216	6772
60°	7354	5980	6655
65°	6792	5772	6589
70°	6096	5643	6567
75°	5160	5550	6596
80°	4031	5548	6700
85°	2579	5693	6919

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8581 cd/sqm



TEST NUMBER: P893788
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.4	2.2
10°-20°	397.6	6.4
20°-30°	597.0	9.6
30°-40°	717.8	11.6
40°-50°	760.6	12.3
50°-60°	732.4	11.8
60°-70°	648.2	10.5
70°-80°	531.7	8.6
80°-90°	412.6	6.7
90°-100°	320.2	5.2
100°-110°	253.7	4.1
110°-120°	202.1	3.3
120°-130°	160.6	2.6
130°-140°	125.4	2.0
140°-150°	92.3	1.5
150°-160°	61.0	1.0
160°-170°	35.1	0.6
170°-180°	11.3	0.2
0°-30°	1134.0	18.3
0°-40°	1851.8	29.9
0°-60°	3344.8	54.0
0°-90°	4937.3	79.6
90°-120°	776.1	12.5
90°-150°	1154.3	18.6
90°-180°	1262.0	20.4
0°-180°	6199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1472	1474	1458	1470	1477	140
15°	1406	1408	1400	1420	1428	397
25°	1280	1284	1284	1317	1325	589
35°	1102	1116	1129	1188	1212	689
45°	898	918	965	1056	1094	693
55°	677	711	805	924	973	606
65°	449	510	655	792	851	444
75°	224	337	522	669	731	240
85°	50	203	408	557	616	58
90°	1	160	360	505	562	4
95°	7	132	318	456	512	7
105°	25	107	251	373	422	27
115°	50	102	209	304	345	49
125°	73	107	182	251	282	65
135°	93	114	164	210	230	71
145°	98	112	149	181	192	62
155°	100	116	128	154	163	47
165°	118	125	121	121	136	33
175°	130	129	123	102	69	12
180°	114	114	114	114	114	



TEST NUMBER: P893788
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8
2.5°	1476.6	1475.2	1478.0	1480.8	1489.2	1478.0	1483.6	1468.2	1469.6	1471.0	1464.0
5°	1472.4	1468.2	1472.4	1475.2	1482.2	1473.8	1479.4	1462.6	1464.0	1466.8	1458.4
7.5°	1462.6	1458.4	1461.2	1464.0	1471.0	1462.6	1469.6	1452.8	1455.6	1457.0	1450.0
10°	1448.6	1443.0	1445.8	1450.0	1455.6	1448.6	1454.2	1438.8	1440.2	1443.0	1436.0
12.5°	1430.4	1424.7	1427.5	1430.4	1437.4	1430.4	1436.0	1420.5	1423.3	1426.1	1419.1
15°	1406.5	1400.9	1403.7	1406.5	1412.1	1407.9	1413.5	1398.1	1400.9	1406.5	1399.5
17.5°	1381.3	1372.9	1375.7	1379.9	1385.5	1382.7	1386.9	1374.3	1375.7	1381.3	1374.3
20°	1350.4	1342.0	1344.8	1349.0	1354.6	1353.2	1356.0	1344.8	1347.6	1354.6	1347.6
22.5°	1316.8	1308.4	1311.2	1316.8	1321.0	1321.0	1322.4	1314.0	1316.8	1323.8	1318.2
25°	1280.3	1271.9	1274.7	1280.3	1284.5	1284.5	1287.3	1278.9	1283.1	1290.1	1284.5
27.5°	1238.2	1234.0	1234.0	1239.6	1242.4	1245.2	1246.6	1239.6	1245.2	1252.3	1248.1
30°	1194.8	1189.2	1192.0	1199.0	1199.0	1204.6	1204.6	1199.0	1206.0	1214.4	1211.6
32.5°	1148.5	1144.3	1145.7	1154.1	1154.1	1161.1	1159.7	1156.9	1163.9	1173.7	1170.9
35°	1102.2	1098.0	1099.4	1107.8	1107.8	1116.2	1113.4	1113.4	1120.4	1131.7	1128.9
37.5°	1053.1	1050.3	1051.7	1060.1	1060.1	1068.6	1065.8	1067.2	1075.6	1088.2	1086.8
40°	1002.6	999.8	1002.6	1009.7	1012.5	1019.5	1016.7	1019.5	1030.7	1041.9	1046.1
42.5°	950.8	949.4	952.2	959.2	962.0	969.0	967.6	971.8	983.0	999.8	1005.5
45°	897.5	897.5	900.3	907.3	910.1	918.5	917.1	922.7	936.7	955.0	964.8
47.5°	844.2	845.6	847.0	855.4	855.4	869.4	865.2	873.6	891.9	912.9	924.1
50°	789.5	792.3	793.7	800.7	803.5	816.1	813.3	827.4	847.0	869.4	884.9
52.5°	734.8	737.6	740.4	746.0	748.8	764.3	761.5	779.7	803.5	827.4	844.2
55°	677.3	682.9	684.3	691.3	695.5	711.0	711.0	732.0	757.2	783.9	804.9
57.5°	621.2	626.8	628.2	636.6	642.3	660.5	663.3	687.1	715.2	741.8	767.1
60°	563.7	570.7	572.1	580.6	590.4	610.0	614.2	640.9	671.7	699.7	729.2
62.5°	506.2	513.2	516.0	524.5	539.9	559.5	566.5	597.4	629.6	660.5	692.7
65°	448.7	455.7	460.0	471.2	489.4	510.4	520.3	552.5	589.0	621.2	654.9
67.5°	391.2	399.7	405.3	419.3	443.1	465.6	475.4	511.8	549.7	584.8	619.8
70°	335.2	343.6	350.6	368.8	396.9	419.3	431.9	471.2	510.4	548.3	587.6
72.5°	280.5	288.9	298.7	321.1	352.0	377.2	391.2	431.9	475.4	513.2	553.9
75°	224.4	234.2	245.4	276.3	311.3	336.6	352.0	395.4	440.3	478.2	521.7
77.5°	173.9	183.7	200.5	231.4	270.6	298.7	315.5	361.8	408.1	445.9	490.8
80°	127.6	137.4	159.9	193.5	234.2	260.8	281.9	329.5	377.2	416.5	461.4
82.5°	86.9	96.8	123.4	159.9	203.3	230.0	249.6	300.1	347.8	388.4	433.3
85°	50.5	64.5	92.6	131.8	176.7	203.3	223.0	274.9	321.1	361.8	408.1
87.5°	22.4	39.3	70.1	109.4	154.3	179.5	200.5	248.2	297.3	338.0	384.2
90°	1.4	22.4	54.7	92.6	136.0	159.9	179.5	227.2	273.4	315.5	360.4
92.5°	2.8	15.4	44.9	79.9	120.6	144.4	164.1	208.9	252.4	295.9	339.4
95°	7.0	15.4	39.3	71.5	109.4	131.8	150.0	193.5	234.2	276.3	318.3
97.5°	11.2	16.8	37.9	67.3	101.0	122.0	138.8	179.5	220.2	258.0	300.1
100°	15.4	21.0	37.9	64.5	95.4	115.0	130.4	168.3	206.1	241.2	283.3
102.5°	19.6	25.2	40.7	64.5	92.6	109.4	124.8	159.9	194.9	227.2	266.4
105°	25.2	29.4	43.5	64.5	89.7	106.6	119.2	151.4	185.1	216.0	251.0
107.5°	30.9	33.7	46.3	65.9	89.7	103.8	116.4	145.8	176.7	204.7	238.4
110°	37.9	39.3	50.5	68.7	89.7	102.4	113.6	141.6	169.7	196.3	227.2



TEST NUMBER: P893788
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	43.5	43.5	54.7	71.5	89.7	102.4	112.2	137.4	164.1	187.9	217.4
115°	50.5	50.5	58.9	74.3	91.1	102.4	112.2	136.0	159.9	180.9	208.9
117.5°	56.1	56.1	64.5	77.1	94.0	103.8	112.2	133.2	155.7	175.3	200.5
120°	61.7	61.7	67.3	79.9	95.4	105.2	112.2	131.8	151.4	171.1	193.5
122.5°	67.3	67.3	71.5	84.1	96.8	105.2	112.2	130.4	148.6	165.5	186.5
125°	72.9	72.9	75.7	86.9	99.6	106.6	113.6	130.4	147.2	161.3	182.3
127.5°	78.5	77.1	81.3	91.1	101.0	108.0	115.0	130.4	144.4	158.5	176.7
130°	82.7	81.3	86.9	94.0	103.8	109.4	115.0	129.0	143.0	155.7	171.1
132.5°	88.3	85.5	92.6	95.4	106.6	112.2	116.4	129.0	141.6	152.9	168.3
135°	92.6	89.7	96.8	99.6	108.0	113.6	117.8	129.0	140.2	151.4	164.1
137.5°	95.4	94.0	101.0	103.8	109.4	115.0	119.2	129.0	138.8	148.6	161.3
140°	96.8	95.4	101.0	106.6	109.4	115.0	117.8	127.6	137.4	145.8	157.1
142.5°	98.2	98.2	102.4	108.0	109.4	113.6	117.8	126.2	134.6	141.6	154.3
145°	98.2	98.2	102.4	109.4	110.8	112.2	115.0	123.4	130.4	137.4	148.6
147.5°	98.2	98.2	103.8	109.4	112.2	113.6	112.2	120.6	127.6	133.2	143.0
150°	98.2	98.2	103.8	109.4	113.6	115.0	113.6	117.8	123.4	129.0	137.4
152.5°	99.6	99.6	103.8	109.4	113.6	115.0	115.0	115.0	119.2	124.8	133.2
155°	99.6	101.0	103.8	112.2	115.0	116.4	116.4	116.4	115.0	120.6	127.6
157.5°	103.8	105.2	106.6	113.6	116.4	117.8	117.8	117.8	116.4	115.0	122.0
160°	108.0	109.4	110.8	116.4	119.2	120.6	120.6	120.6	117.8	116.4	116.4
162.5°	112.2	115.0	115.0	117.8	120.6	122.0	122.0	123.4	120.6	119.2	117.8
165°	117.8	119.2	119.2	120.6	123.4	124.8	123.4	124.8	123.4	122.0	120.6
167.5°	122.0	123.4	123.4	124.8	124.8	126.2	126.2	126.2	124.8	123.4	123.4
170°	126.2	127.6	127.6	127.6	127.6	127.6	127.6	127.6	126.2	123.4	123.4
172.5°	129.0	130.4	130.4	129.0	129.0	129.0	129.0	127.6	124.8	123.4	123.4
175°	130.4	131.8	131.8	130.4	129.0	129.0	129.0	127.6	124.8	123.4	123.4
177.5°	131.8	133.2	131.8	131.8	129.0	129.0	129.0	129.0	126.2	124.8	123.4
180°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6



TEST NUMBER: P893788

CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8	1473.8
2.5°	1472.4	1455.6	1466.8	1468.2	1473.8	1468.2	1472.4	1468.2	1479.4	1475.2
5°	1466.8	1451.4	1461.2	1462.6	1469.6	1462.6	1469.6	1466.8	1480.8	1476.6
7.5°	1457.0	1444.4	1452.8	1454.2	1462.6	1455.6	1462.6	1459.8	1476.6	1471.0
10°	1443.0	1433.2	1441.6	1443.0	1451.4	1444.4	1450.0	1447.2	1465.4	1457.0
12.5°	1427.5	1419.1	1426.1	1427.5	1437.4	1430.4	1437.4	1434.6	1452.8	1444.4
15°	1405.1	1400.9	1407.9	1410.7	1420.5	1414.9	1421.9	1419.1	1438.8	1427.5
17.5°	1382.7	1379.9	1386.9	1389.7	1400.9	1393.9	1400.9	1398.1	1417.7	1406.5
20°	1354.6	1353.2	1360.2	1364.4	1374.3	1367.2	1375.7	1372.9	1393.9	1382.7
22.5°	1325.2	1325.2	1330.8	1335.0	1344.8	1339.2	1347.6	1346.2	1367.2	1356.0
25°	1292.9	1294.3	1299.9	1305.5	1316.8	1312.6	1319.6	1319.6	1339.2	1325.2
27.5°	1256.5	1263.5	1267.7	1274.7	1284.5	1280.3	1287.3	1288.7	1308.4	1294.3
30°	1218.6	1228.4	1232.6	1241.0	1249.5	1249.5	1256.5	1259.3	1278.9	1264.9
32.5°	1179.3	1190.6	1196.2	1207.4	1218.6	1218.6	1228.4	1232.6	1252.3	1239.6
35°	1140.1	1155.5	1162.5	1176.5	1187.8	1189.2	1199.0	1204.6	1224.2	1211.6
37.5°	1102.2	1121.8	1128.9	1145.7	1155.5	1158.3	1169.5	1176.5	1194.8	1183.5
40°	1062.9	1086.8	1095.2	1113.4	1121.8	1127.5	1138.7	1147.1	1163.9	1154.1
42.5°	1025.1	1051.7	1060.1	1079.8	1089.6	1095.2	1106.4	1117.6	1134.5	1124.6
45°	987.2	1016.7	1026.5	1047.5	1055.9	1064.3	1077.0	1086.8	1102.2	1093.8
47.5°	950.8	981.6	991.4	1013.9	1023.7	1033.5	1044.7	1058.7	1072.8	1064.3
50°	912.9	945.2	957.8	981.6	990.0	1001.2	1015.3	1027.9	1041.9	1034.9
52.5°	876.4	910.1	922.7	948.0	957.8	969.0	983.0	997.0	1009.7	1004.1
55°	837.2	873.6	887.7	914.3	924.1	935.3	950.8	966.2	977.4	973.2
57.5°	800.7	838.6	852.6	882.0	890.5	904.5	919.9	936.7	946.6	942.3
60°	764.3	802.1	818.9	848.4	858.2	872.2	887.7	905.9	914.3	911.5
62.5°	727.8	767.1	785.3	816.1	824.6	840.0	858.2	873.6	882.0	880.6
65°	694.1	732.0	753.0	783.9	792.3	809.1	826.0	842.8	851.2	851.2
67.5°	659.1	699.7	720.8	753.0	760.0	778.3	796.5	813.3	820.3	820.3
70°	626.8	666.1	689.9	722.2	729.2	746.0	765.7	783.9	789.5	790.9
72.5°	594.6	633.8	659.1	692.7	699.7	716.6	734.8	754.4	758.6	760.0
75°	563.7	603.0	628.2	661.9	668.9	685.7	705.4	723.6	729.2	730.6
77.5°	532.9	572.1	600.2	632.4	639.5	656.3	675.9	694.1	698.3	701.2
80°	504.8	542.7	569.3	604.4	611.4	628.2	646.5	664.7	667.5	671.7
82.5°	476.8	514.6	542.7	576.3	583.4	600.2	618.4	636.6	639.5	645.1
85°	450.1	488.0	516.0	548.3	556.7	572.1	591.8	608.6	611.4	615.6
87.5°	426.3	461.4	490.8	521.7	530.1	545.5	565.1	582.0	583.4	589.0
90°	401.1	436.1	465.6	496.4	504.8	518.9	538.5	555.3	558.1	562.3
92.5°	380.0	412.3	443.1	472.6	479.6	495.0	513.2	530.1	532.9	537.1
95°	357.6	389.8	420.7	448.7	455.7	471.2	488.0	504.8	507.6	511.8
97.5°	338.0	368.8	398.3	426.3	433.3	447.3	465.6	481.0	483.8	489.4
100°	319.7	349.2	380.0	405.3	412.3	426.3	443.1	458.6	461.4	467.0
102.5°	302.9	330.9	360.4	384.2	392.6	405.3	422.1	436.1	438.9	443.1
105°	287.5	314.1	342.2	364.6	373.0	385.6	401.1	415.1	417.9	422.1
107.5°	272.0	297.3	323.9	346.4	353.4	364.6	380.0	394.0	396.9	402.5
110°	258.0	283.3	308.5	329.5	338.0	346.4	361.8	374.4	377.2	381.4



TEST NUMBER: P893788

CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	245.4	267.8	293.1	312.7	319.7	329.5	342.2	354.8	357.6	363.2
115°	234.2	255.2	280.5	298.7	304.3	312.7	326.7	338.0	340.8	345.0
117.5°	224.4	242.6	265.0	283.3	290.3	297.3	309.9	319.7	323.9	326.7
120°	216.0	232.8	252.4	269.2	277.7	283.3	294.5	304.3	308.5	311.3
122.5°	207.5	223.0	241.2	256.6	263.6	267.8	280.5	288.9	293.1	297.3
125°	200.5	214.6	231.4	244.0	251.0	255.2	266.4	274.9	279.1	281.9
127.5°	193.5	206.1	223.0	232.8	239.8	242.6	252.4	260.8	265.0	266.4
130°	186.5	199.1	213.2	223.0	228.6	232.8	241.2	246.8	251.0	252.4
132.5°	180.9	192.1	204.7	214.6	220.2	221.6	230.0	235.6	239.8	241.2
135°	176.7	185.1	197.7	206.1	210.3	213.2	220.2	224.4	228.6	230.0
137.5°	171.1	179.5	190.7	196.3	201.9	203.3	210.3	214.6	218.8	220.2
140°	166.9	173.9	183.7	189.3	194.9	194.9	200.5	204.7	208.9	208.9
142.5°	162.7	169.7	178.1	183.7	187.9	187.9	193.5	196.3	200.5	200.5
145°	157.1	164.1	172.5	176.7	180.9	180.9	185.1	187.9	192.1	192.1
147.5°	151.4	158.5	166.9	169.7	173.9	173.9	178.1	180.9	183.7	183.7
150°	144.4	150.0	159.9	164.1	168.3	168.3	171.1	173.9	176.7	176.7
152.5°	138.8	143.0	151.4	157.1	161.3	161.3	164.1	166.9	169.7	169.7
155°	131.8	136.0	143.0	150.0	154.3	155.7	158.5	159.9	162.7	162.7
157.5°	126.2	130.4	136.0	141.6	145.8	148.6	152.9	154.3	155.7	155.7
160°	119.2	122.0	127.6	133.2	137.4	140.2	147.2	148.6	150.0	150.0
162.5°	116.4	116.4	119.2	123.4	127.6	129.0	136.0	141.6	144.4	143.0
165°	117.8	116.4	116.4	117.8	120.6	122.0	126.2	134.6	137.4	136.0
167.5°	120.6	117.8	116.4	116.4	119.2	119.2	123.4	130.4	138.8	136.0
170°	120.6	116.4	113.6	113.6	115.0	115.0	117.8	122.0	130.4	131.8
172.5°	119.2	116.4	112.2	106.6	108.0	106.6	105.2	108.0	109.4	123.4
175°	120.6	116.4	112.2	105.2	102.4	98.2	91.1	85.5	84.1	68.7
177.5°	119.2	115.0	109.4	103.8	101.0	95.4	86.9	77.1	71.5	63.1
180°	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6	113.6



TEST NUMBER: P893788
 CATALOG NUMBER: 4MB-6SL-RNDU-UNV-L850

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	15.10	16.41	15.74	17.07	17.84	18.64	19.95	19.28	20.62	21.39
	3H	16.45	17.64	17.10	18.32	19.12	21.56	22.76	22.21	23.43	24.23
	4H	16.85	17.99	17.52	18.67	19.49	23.03	24.17	23.71	24.86	25.67
	6H	17.06	18.13	17.75	18.82	19.65	24.59	25.65	25.28	26.35	27.18
	8H	17.10	18.12	17.80	18.83	19.67	25.40	26.42	26.10	27.14	27.97
	12H	17.10	18.08	17.81	18.79	19.65	26.28	27.26	26.98	27.97	28.83
4H	2H	16.24	17.38	16.91	18.06	18.88	18.96	20.10	19.64	20.79	21.60
	3H	17.88	18.86	18.57	19.58	20.41	22.11	23.09	22.80	23.81	24.64
	4H	18.45	19.35	19.15	20.08	20.94	23.76	24.66	24.46	25.39	26.25
	6H	18.79	19.59	19.51	20.34	21.21	25.53	26.33	26.25	27.08	27.95
	8H	18.86	19.62	19.59	20.36	21.25	26.47	27.22	27.19	27.96	28.85
	12H	18.89	19.58	19.64	20.35	21.23	27.49	28.17	28.24	28.94	29.83
8H	4H	19.54	20.29	20.26	21.03	21.92	23.94	24.69	24.66	25.43	26.32
	6H	20.14	20.79	20.90	21.57	22.46	25.89	26.53	26.64	27.31	28.20
	8H	20.34	20.92	21.11	21.71	22.61	26.97	27.55	27.73	28.33	29.23
	12H	20.45	20.97	21.22	21.75	22.71	28.19	28.70	28.96	29.48	30.44
12H	4H	19.89	20.57	20.64	21.34	22.23	23.93	24.61	24.68	25.38	26.27
	6H	20.67	21.25	21.43	22.03	22.93	25.92	26.50	26.68	27.28	28.18
	8H	21.00	21.51	21.76	22.29	23.25	27.06	27.58	27.83	28.36	29.32