

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: P893737

Luminaire Tested: 4MB-6SL-FLTU-UNV-L830

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893737  
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: 4MB-6SL-FLTU-UNV-L830  
Description: 6000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 300  
Light Source: -  
Ballast/Driver: -

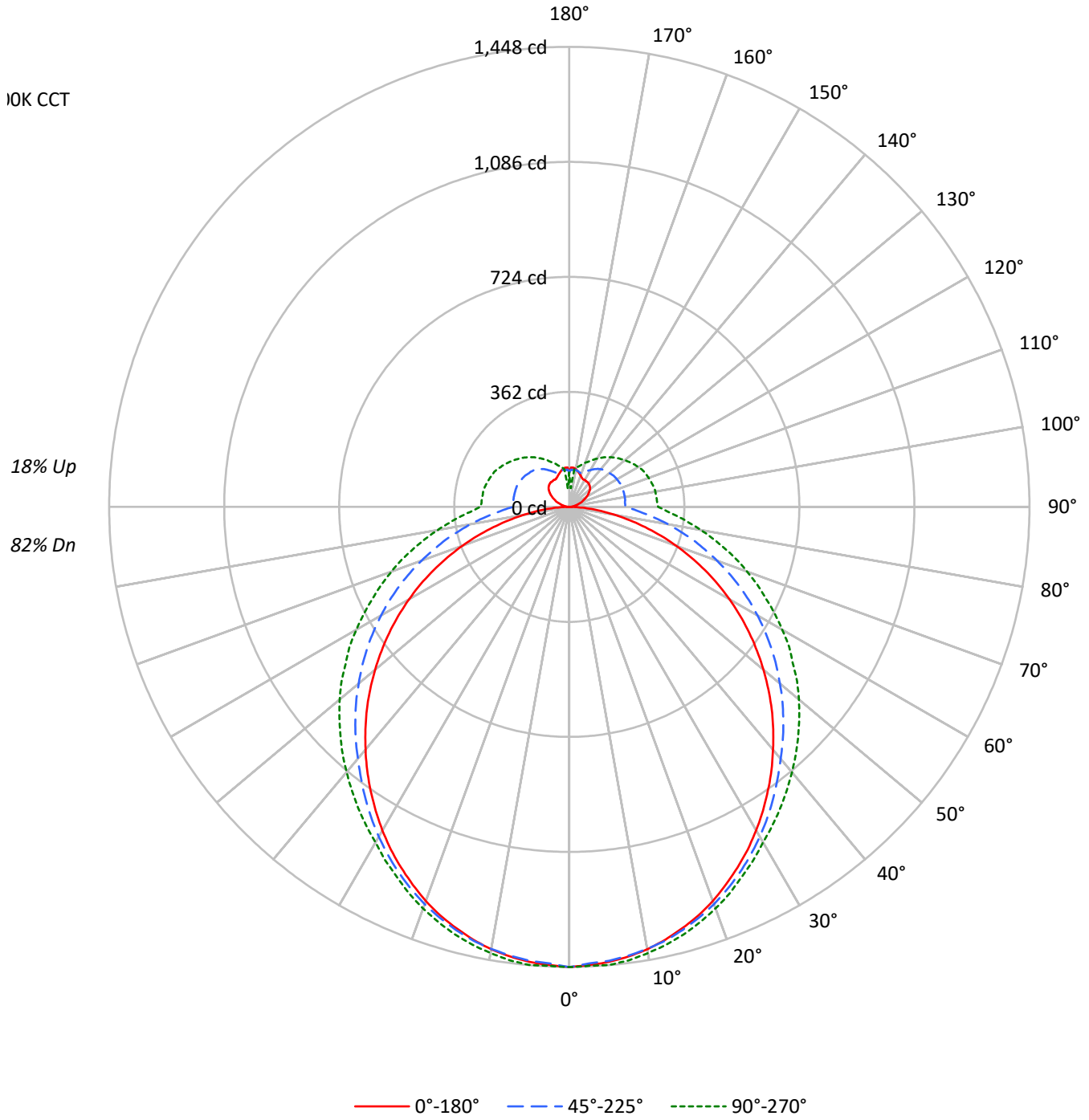
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5476.0 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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<sub>in</sub>): 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: P893737  
CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

### 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°	10306	10306	10306
5°	10223	9874	9863
10°	10123	9496	9395
15°	9974	9116	8947
20°	9809	8728	8492
25°	9600	8322	8032
30°	9378	7908	7612
35°	9133	7493	7266
40°	8874	7085	6935
45°	8613	6728	6621
50°	8311	6359	6316
55°	7984	5997	5974
60°	7593	5608	5650
65°	7128	5200	5284
70°	6520	4751	4943
75°	5689	4292	4574
80°	4597	3802	4197
85°	3177	3304	3851

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8613 cd/sqm



TEST NUMBER: P893737  
 CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.0	2.5
10°-20°	390.7	7.1
20°-30°	587.0	10.7
30°-40°	704.8	12.9
40°-50°	741.1	13.5
50°-60°	696.3	12.7
60°-70°	579.0	10.6
70°-80°	413.2	7.5
80°-90°	245.9	4.5
90°-100°	178.0	3.3
100°-110°	175.7	3.2
110°-120°	165.0	3.0
120°-130°	146.2	2.7
130°-140°	121.2	2.2
140°-150°	90.7	1.7
150°-160°	59.6	1.1
160°-170°	33.8	0.6
170°-180°	10.8	0.2
0°-30°	1114.6	20.4
0°-40°	1819.4	33.2
0°-60°	3256.9	59.5
0°-90°	4495.0	82.1
90°-120°	518.7	9.5
90°-150°	876.8	16.0
90°-180°	981.0	17.9
0°-180°	5476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1448	1448	1448	1448	1448	
5°	1438	1455	1434	1438	1447	136
15°	1373	1394	1378	1388	1393	387
25°	1253	1276	1270	1282	1284	577
35°	1090	1115	1119	1147	1158	682
45°	901	926	952	1001	1019	694
55°	692	720	776	840	858	618
65°	471	509	590	664	683	466
75°	247	303	404	482	507	263
85°	62	136	237	316	343	68
90°	0	78	176	253	279	4
95°	7	82	176	250	276	8
105°	25	91	177	247	271	27
115°	49	99	176	237	261	49
125°	74	106	171	222	239	66
135°	91	111	161	202	217	70
145°	97	108	146	180	190	61
155°	98	110	123	152	161	46
165°	112	119	115	116	135	32
175°	124	123	116	99	60	12
180°	108	108	108	108	108	



TEST NUMBER: P893737  
 CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5
2.5°	1443.2	1447.2	1448.5	1461.7	1456.4	1461.7	1452.5	1441.9	1439.2	1445.8	1437.9
5°	1437.9	1441.9	1443.2	1456.4	1451.1	1455.1	1447.2	1436.6	1433.9	1441.9	1433.9
7.5°	1427.3	1431.3	1432.6	1447.2	1440.6	1445.8	1436.6	1426.0	1424.7	1432.6	1424.7
10°	1414.1	1418.1	1419.4	1432.6	1427.3	1432.6	1423.4	1412.8	1411.5	1420.7	1412.8
12.5°	1395.6	1399.6	1402.2	1415.4	1408.8	1415.4	1404.8	1394.3	1395.6	1403.5	1398.2
15°	1373.1	1378.4	1379.7	1392.9	1387.6	1394.3	1383.7	1373.1	1375.7	1383.7	1378.4
17.5°	1349.3	1354.6	1355.9	1367.8	1362.5	1370.4	1358.5	1349.3	1351.9	1359.9	1355.9
20°	1320.2	1325.5	1328.1	1340.0	1334.7	1342.7	1330.8	1322.8	1325.5	1334.7	1330.8
22.5°	1287.1	1295.0	1296.4	1309.6	1303.0	1310.9	1299.0	1292.4	1296.4	1305.6	1301.7
25°	1252.7	1260.7	1262.0	1275.2	1269.9	1276.5	1264.6	1258.0	1263.3	1272.6	1269.9
27.5°	1215.7	1223.6	1226.3	1238.2	1232.9	1240.8	1227.6	1223.6	1228.9	1238.2	1235.5
30°	1176.0	1183.9	1185.3	1197.2	1193.2	1201.1	1189.2	1183.9	1191.9	1201.1	1198.5
32.5°	1133.7	1141.6	1145.6	1156.2	1152.2	1158.8	1148.2	1145.6	1152.2	1161.4	1160.1
35°	1090.0	1097.9	1101.9	1113.8	1108.5	1115.1	1104.6	1101.9	1112.5	1119.1	1119.1
37.5°	1045.0	1053.0	1056.9	1068.8	1062.2	1070.2	1059.6	1058.3	1070.2	1076.8	1076.8
40°	997.4	1006.7	1010.6	1021.2	1015.9	1022.5	1013.3	1014.6	1025.2	1033.1	1034.5
42.5°	949.8	959.0	963.0	974.9	968.3	974.9	967.0	968.3	980.2	988.2	994.8
45°	900.8	908.8	912.8	926.0	918.0	926.0	918.0	920.7	932.6	944.5	952.4
47.5°	849.3	857.2	863.8	874.4	867.8	874.4	869.1	873.1	887.6	899.5	910.1
50°	797.7	805.6	812.2	821.5	814.9	824.1	817.5	822.8	841.3	853.2	865.1
52.5°	744.8	751.4	761.9	767.2	761.9	772.5	767.2	775.2	793.7	808.2	821.5
55°	691.8	698.5	709.0	713.0	707.7	719.6	715.6	726.2	746.1	761.9	776.5
57.5°	637.6	644.2	653.5	657.4	653.5	666.7	665.4	677.3	697.1	714.3	730.2
60°	582.0	588.7	596.6	600.6	600.6	613.8	613.8	628.3	649.5	665.4	683.9
62.5°	527.8	531.8	539.7	545.0	549.0	562.2	562.2	578.1	600.6	619.1	637.6
65°	470.9	474.9	481.5	488.1	494.7	509.3	510.6	527.8	550.3	568.8	590.0
67.5°	414.0	418.0	424.6	432.6	441.8	456.4	459.0	477.5	501.4	522.5	542.4
70°	358.5	359.8	367.7	378.3	388.9	403.5	407.4	427.3	452.4	473.6	494.7
72.5°	302.9	304.3	312.2	325.4	337.3	353.2	358.5	379.7	404.8	426.0	447.1
75°	247.4	248.7	259.3	275.1	288.4	302.9	309.5	332.0	357.2	379.7	403.5
77.5°	194.5	197.1	207.7	223.6	239.4	256.6	263.2	285.7	313.5	334.7	357.2
80°	145.5	148.2	160.1	177.3	194.5	210.3	218.3	240.8	269.9	291.0	316.2
82.5°	100.5	104.5	119.1	137.6	154.8	172.0	179.9	201.1	227.5	251.3	275.1
85°	62.2	67.5	82.0	101.9	120.4	136.3	144.2	166.7	191.8	214.3	236.8
87.5°	29.1	37.0	51.6	71.4	91.3	104.5	113.8	136.3	160.1	182.6	205.0
90°	0.0	11.9	26.5	46.3	66.1	78.0	88.6	109.8	133.6	154.8	175.9
92.5°	2.6	13.2	29.1	47.6	67.5	79.4	90.0	111.1	133.6	154.8	175.9
95°	6.6	14.6	30.4	50.3	70.1	82.0	91.3	112.4	134.9	156.1	175.9
97.5°	11.9	18.5	34.4	52.9	72.8	83.3	93.9	115.1	136.3	157.4	177.3
100°	15.9	21.2	37.0	55.6	75.4	86.0	96.6	116.4	137.6	158.7	177.3
102.5°	19.8	26.5	41.0	58.2	78.0	88.6	97.9	117.7	138.9	158.7	177.3
105°	25.1	30.4	43.7	62.2	80.7	91.3	100.5	120.4	140.2	160.1	177.3
107.5°	30.4	34.4	47.6	64.8	83.3	92.6	101.9	121.7	141.5	160.1	177.3
110°	37.0	39.7	51.6	67.5	84.7	95.2	104.5	123.0	141.5	160.1	177.3



TEST NUMBER: P893737  
 CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	43.7	43.7	55.6	70.1	87.3	96.6	105.8	124.3	142.9	160.1	177.3
115°	48.9	50.3	59.5	72.8	90.0	99.2	107.1	124.3	142.9	160.1	175.9
117.5°	55.6	55.6	64.8	75.4	91.3	100.5	109.8	125.7	142.9	158.7	174.6
120°	62.2	60.9	68.8	79.4	93.9	101.9	111.1	127.0	142.9	158.7	173.3
122.5°	68.8	66.1	71.4	82.0	95.2	104.5	111.1	127.0	142.9	157.4	172.0
125°	74.1	71.4	75.4	86.0	97.9	105.8	112.4	127.0	142.9	156.1	170.6
127.5°	79.4	76.7	80.7	88.6	99.2	105.8	113.8	127.0	142.9	154.8	168.0
130°	84.7	80.7	86.0	91.3	101.9	107.1	113.8	127.0	141.5	153.4	165.4
132.5°	88.6	84.7	90.0	93.9	103.2	108.5	115.1	127.0	140.2	152.1	164.0
135°	91.3	87.3	93.9	96.6	105.8	111.1	116.4	127.0	138.9	150.8	161.4
137.5°	93.9	88.6	96.6	99.2	107.1	112.4	116.4	125.7	137.6	148.2	158.7
140°	95.2	91.3	99.2	101.9	105.8	111.1	116.4	124.3	134.9	145.5	154.8
142.5°	96.6	91.3	100.5	103.2	105.8	109.8	115.1	121.7	132.3	141.5	150.8
145°	96.6	92.6	100.5	103.2	105.8	108.5	112.4	120.4	128.3	136.3	145.5
147.5°	96.6	93.9	101.9	104.5	107.1	107.1	109.8	117.7	124.3	132.3	140.2
150°	97.9	93.9	101.9	104.5	108.5	108.5	109.8	113.8	121.7	127.0	133.6
152.5°	96.6	95.2	100.5	105.8	108.5	109.8	109.8	111.1	117.7	123.0	128.3
155°	97.9	97.9	101.9	108.5	109.8	109.8	111.1	109.8	112.4	117.7	123.0
157.5°	100.5	103.2	103.2	109.8	112.4	112.4	113.8	112.4	111.1	112.4	117.7
160°	104.5	107.1	107.1	111.1	115.1	115.1	116.4	115.1	113.8	112.4	112.4
162.5°	108.5	111.1	111.1	112.4	116.4	117.7	119.1	117.7	116.4	113.8	112.4
165°	112.4	115.1	115.1	115.1	117.7	119.1	120.4	119.1	119.1	116.4	115.1
167.5°	116.4	119.1	119.1	117.7	119.1	120.4	121.7	120.4	120.4	119.1	116.4
170°	120.4	123.0	123.0	120.4	121.7	121.7	123.0	121.7	121.7	119.1	117.7
172.5°	123.0	125.7	124.3	123.0	123.0	123.0	123.0	121.7	120.4	117.7	117.7
175°	124.3	127.0	127.0	124.3	123.0	123.0	124.3	121.7	120.4	119.1	116.4
177.5°	124.3	127.0	127.0	124.3	124.3	123.0	124.3	123.0	123.0	120.4	117.7
180°	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5	1448.5
2.5°	1443.2	1441.9	1433.9	1443.2	1443.2	1440.6	1451.1	1449.8	1448.5	1445.8
5°	1437.9	1436.6	1428.7	1437.9	1437.9	1436.6	1447.2	1448.5	1449.8	1447.2
7.5°	1430.0	1428.7	1420.7	1430.0	1430.0	1428.7	1440.6	1441.9	1443.2	1439.2
10°	1418.1	1416.7	1408.8	1418.1	1419.4	1418.1	1427.3	1428.7	1431.3	1426.0
12.5°	1402.2	1402.2	1394.3	1403.5	1404.8	1403.5	1412.8	1415.4	1418.1	1411.5
15°	1382.4	1383.7	1377.1	1386.3	1387.6	1387.6	1396.9	1398.2	1402.2	1392.9
17.5°	1358.5	1361.2	1355.9	1365.2	1366.5	1367.8	1373.1	1377.1	1381.0	1370.4
20°	1333.4	1334.7	1330.8	1338.7	1341.3	1340.0	1346.6	1351.9	1355.9	1345.3
22.5°	1303.0	1304.3	1300.3	1308.3	1310.9	1312.2	1317.5	1324.1	1326.8	1317.5
25°	1268.6	1273.9	1271.2	1279.2	1281.8	1281.8	1287.1	1293.7	1297.7	1284.5
27.5°	1235.5	1242.1	1239.5	1247.4	1250.1	1251.4	1254.0	1262.0	1265.9	1254.0
30°	1198.5	1206.4	1205.1	1213.0	1215.7	1214.4	1219.6	1227.6	1232.9	1219.6
32.5°	1157.5	1168.1	1166.7	1177.3	1180.0	1181.3	1185.3	1195.8	1201.1	1189.2
35°	1117.8	1129.7	1131.0	1142.9	1146.9	1148.2	1153.5	1164.1	1169.4	1157.5
37.5°	1076.8	1092.7	1096.6	1108.5	1112.5	1113.8	1119.1	1131.0	1136.3	1124.4
40°	1037.1	1055.6	1060.9	1071.5	1075.5	1079.4	1083.4	1095.3	1101.9	1090.0
42.5°	997.4	1017.3	1023.9	1034.5	1038.4	1042.4	1047.7	1060.9	1066.2	1055.6
45°	956.4	977.6	985.5	996.1	1001.4	1005.3	1010.6	1022.5	1029.2	1018.6
47.5°	915.4	936.6	944.5	956.4	961.7	967.0	971.0	985.5	992.1	981.5
50°	871.7	895.6	904.8	915.4	923.3	927.3	932.6	945.8	952.4	943.2
52.5°	828.1	853.2	863.8	874.4	882.3	888.9	891.6	906.1	912.8	903.5
55°	783.1	808.2	820.2	832.1	840.0	847.9	850.6	865.1	871.7	858.5
57.5°	738.1	764.6	776.5	789.7	796.3	805.6	809.6	822.8	829.4	820.2
60°	693.2	718.3	732.8	744.8	754.0	761.9	764.6	779.1	785.8	773.9
62.5°	646.9	673.3	687.9	701.1	709.0	718.3	722.3	735.5	740.8	728.9
65°	599.2	625.7	641.6	653.5	664.1	672.0	674.6	689.2	694.5	682.6
67.5°	551.6	578.1	595.3	608.5	617.8	627.0	629.7	644.2	649.5	640.2
70°	505.3	531.8	549.0	564.8	571.5	580.7	584.7	597.9	603.2	595.3
72.5°	459.0	485.5	504.0	519.9	526.5	535.7	541.0	551.6	559.6	552.9
75°	414.0	440.5	459.0	474.9	481.5	490.8	496.1	506.6	511.9	506.6
77.5°	370.4	396.8	414.0	429.9	437.9	445.8	451.1	461.7	468.3	463.0
80°	328.1	354.5	371.7	386.3	394.2	402.1	407.4	419.3	424.6	420.7
82.5°	288.4	313.5	332.0	346.6	354.5	362.5	367.7	378.3	384.9	379.7
85°	252.7	277.8	295.0	309.5	316.2	324.1	329.4	340.0	345.3	342.6
87.5°	218.3	240.8	260.6	275.1	281.8	289.7	296.3	304.3	310.9	306.9
90°	191.8	211.7	230.2	244.7	252.7	260.6	268.5	276.5	281.8	279.1
92.5°	193.1	211.7	228.8	242.1	250.0	258.0	265.9	275.1	279.1	276.5
95°	193.1	211.7	228.8	242.1	250.0	258.0	265.9	275.1	279.1	276.5
97.5°	193.1	211.7	228.8	242.1	250.0	258.0	265.9	275.1	279.1	275.1
100°	193.1	211.7	228.8	242.1	250.0	256.6	264.6	273.8	277.8	275.1
102.5°	193.1	211.7	227.5	240.8	248.7	255.3	263.2	272.5	276.5	273.8
105°	193.1	210.3	227.5	239.4	247.4	254.0	261.9	269.9	273.8	271.2
107.5°	191.8	209.0	224.9	238.1	244.7	251.3	259.3	267.2	271.2	268.5
110°	191.8	207.7	223.6	235.5	242.1	248.7	256.6	264.6	268.5	265.9





TEST NUMBER: P893737  
 CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	190.5	206.4	222.2	232.8	239.4	246.0	252.7	261.9	265.9	263.2
115°	189.2	205.0	219.6	230.2	236.8	242.1	250.0	259.3	261.9	260.6
117.5°	187.8	202.4	216.9	227.5	234.1	239.4	246.0	254.0	258.0	256.6
120°	186.5	199.7	214.3	223.6	230.2	235.5	240.8	248.7	252.7	250.0
122.5°	183.9	197.1	211.7	220.9	226.2	231.5	236.8	243.4	247.4	246.0
125°	181.2	194.5	207.7	216.9	222.2	226.2	231.5	238.1	240.8	239.4
127.5°	178.6	191.8	203.7	211.7	218.3	222.2	226.2	232.8	235.5	234.1
130°	175.9	187.8	199.7	207.7	213.0	216.9	220.9	227.5	228.8	228.8
132.5°	173.3	183.9	195.8	203.7	209.0	211.7	215.6	220.9	223.6	222.2
135°	170.6	179.9	191.8	198.4	202.4	206.4	210.3	215.6	216.9	216.9
137.5°	166.7	175.9	186.5	193.1	197.1	199.7	203.7	209.0	210.3	210.3
140°	162.7	172.0	181.2	186.5	191.8	194.5	197.1	202.4	203.7	203.7
142.5°	158.7	166.7	175.9	181.2	186.5	187.8	191.8	195.8	197.1	197.1
145°	153.4	162.7	170.6	175.9	179.9	181.2	185.2	189.2	189.2	190.5
147.5°	146.8	154.8	165.4	169.3	173.3	174.6	178.6	181.2	182.6	182.6
150°	140.2	148.2	157.4	164.0	168.0	169.3	170.6	174.6	174.6	175.9
152.5°	133.6	140.2	149.5	156.1	161.4	162.7	164.0	166.7	166.7	168.0
155°	127.0	132.3	140.2	146.8	152.1	154.8	157.4	160.1	160.1	161.4
157.5°	121.7	127.0	133.6	138.9	142.9	146.8	150.8	153.4	153.4	153.4
160°	115.1	119.1	125.7	129.6	134.9	137.6	144.2	146.8	146.8	148.2
162.5°	111.1	112.4	116.4	120.4	124.3	127.0	133.6	140.2	140.2	141.5
165°	112.4	111.1	112.4	113.8	116.4	117.7	121.7	131.0	133.6	134.9
167.5°	115.1	111.1	111.1	111.1	113.8	113.8	117.7	123.0	132.3	129.6
170°	115.1	111.1	108.5	108.5	109.8	108.5	111.1	115.1	120.4	125.7
172.5°	116.4	112.4	108.5	103.2	104.5	103.2	100.5	100.5	101.9	119.1
175°	115.1	112.4	107.1	100.5	99.2	95.2	87.3	80.7	76.7	59.5
177.5°	113.8	109.8	105.8	100.5	97.9	93.9	84.7	74.1	63.5	60.9
180°	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5	108.5



TEST NUMBER: P893737  
 CATALOG NUMBER: 4MB-6SL-FLTU-UNV-L830

**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	15.79	17.11	16.40	17.74	18.46	18.34	19.66	18.95	20.29	21.01
	3H	17.19	18.39	17.82	19.03	19.79	20.77	21.97	21.40	22.61	23.37
	4H	17.62	18.76	18.27	19.41	20.18	21.91	23.05	22.56	23.70	24.47
	6H	17.86	18.92	18.52	19.58	20.37	23.05	24.10	23.71	24.77	25.55
	8H	17.90	18.91	18.57	19.60	20.39	23.60	24.62	24.28	25.30	26.09
	12H	17.91	18.88	18.59	19.56	20.38	24.19	25.16	24.87	25.84	26.65
4H	2H	16.68	17.81	17.33	18.47	19.24	18.69	19.83	19.34	20.48	21.25
	3H	18.30	19.27	18.96	19.96	20.75	21.32	22.29	21.98	22.98	23.77
	4H	18.86	19.74	19.54	20.44	21.26	22.61	23.50	23.29	24.19	25.01
	6H	19.20	19.97	19.89	20.70	21.52	23.92	24.70	24.62	25.42	26.25
	8H	19.27	20.00	19.97	20.72	21.56	24.58	25.31	25.28	26.03	26.87
	12H	19.30	19.97	20.03	20.71	21.56	25.28	25.94	26.00	26.69	27.53
8H	4H	19.51	20.24	20.21	20.96	21.80	22.76	23.49	23.47	24.21	25.05
	6H	20.01	20.63	20.74	21.39	22.23	24.22	24.84	24.95	25.59	26.44
	8H	20.17	20.72	20.91	21.48	22.34	25.00	25.55	25.74	26.31	27.17
	12H	20.26	20.75	21.00	21.50	22.42	25.86	26.35	26.61	27.11	28.02
12H	4H	19.67	20.33	20.39	21.08	21.92	22.75	23.42	23.48	24.16	25.01
	6H	20.27	20.82	21.01	21.59	22.44	24.23	24.79	24.98	25.55	26.41
	8H	20.50	21.00	21.25	21.75	22.67	25.07	25.56	25.81	26.31	27.23