

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: P893624

Luminaire Tested: 4MB-5SL-FLT-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-5SL-FLT-UNV-L950
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

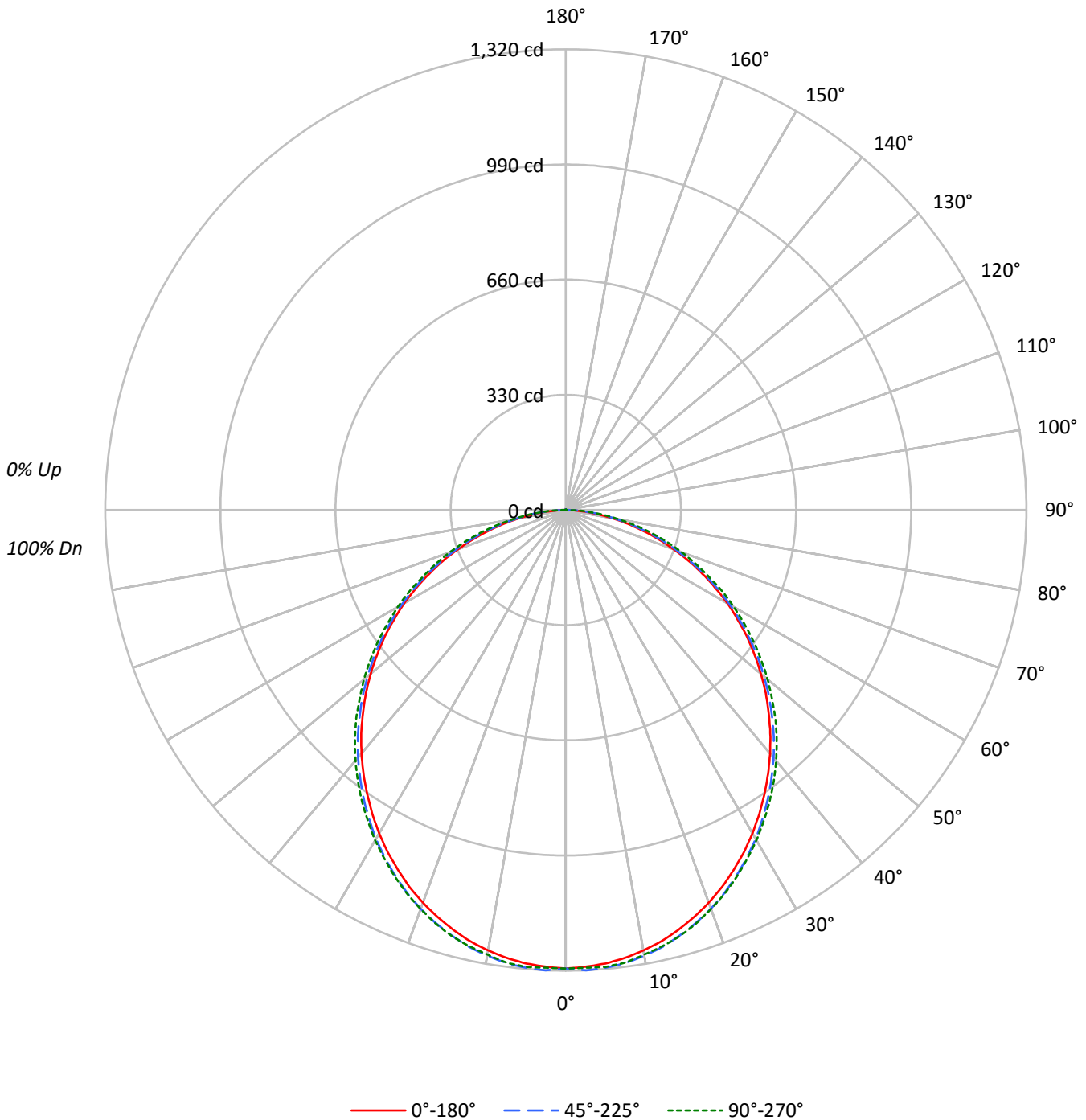
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3647.1 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.995
Total Harmonic Distortion (THDi): 9.55
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893624
CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9348	9348	9348
5°	9315	9404	9383
10°	9256	9367	9346
15°	9174	9295	9309
20°	9066	9205	9212
25°	8932	9076	9098
30°	8787	8937	8976
35°	8622	8772	8846
40°	8459	8603	8709
45°	8274	8410	8555
50°	8080	8208	8357
55°	7862	7981	8149
60°	7609	7733	7910
65°	7270	7416	7610
70°	6842	7042	7362
75°	6293	6556	6980
80°	5556	5990	6306
85°	4792	5494	5886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8555 cd/sqm



TEST NUMBER: P893624
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	3.4
10°-20°	354.1	9.7
20°-30°	530.6	14.5
30°-40°	631.4	17.3
40°-50°	647.9	17.8
50°-60°	580.4	15.9
60°-70°	441.0	12.1
70°-80°	256.3	7.0
80°-90°	76.9	2.1
90°-100°	1.8	0.1
100°-110°	0.3	0.0
110°-120°	0.0	0.0
120°-130°	0.2	0.0
130°-140°	0.4	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	1009.0	27.7
0°-40°	1640.4	45.0
0°-60°	2868.6	78.7
0°-90°	3642.9	99.9
90°-120°	2.2	0.1
90°-150°	3.3	0.1
90°-180°	4.0	0.1
0°-180°	3647.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1314	1314	1314	1314	1314	
5°	1304	1326	1317	1310	1314	124
15°	1246	1270	1262	1260	1264	351
25°	1138	1164	1156	1154	1159	524
35°	993	1017	1010	1013	1018	621
45°	822	842	836	842	850	635
55°	634	649	643	651	657	566
65°	432	442	440	448	452	427
75°	229	238	238	247	254	243
85°	59	64	67	72	72	64
90°	1	4	4	7	6	4
95°	0	1	1	2	3	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	1
135°	0	0	1	0	0	0
145°	1	1	1	1	1	1
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8
2.5°	1309.9	1308.0	1309.9	1309.0	1318.6	1330.1	1328.2	1319.6	1309.9	1312.8	1320.5
5°	1304.2	1303.2	1306.1	1304.2	1313.8	1326.3	1322.4	1314.8	1306.1	1309.0	1316.7
7.5°	1294.6	1294.6	1298.4	1296.5	1305.1	1317.6	1313.8	1307.1	1298.4	1301.3	1309.0
10°	1281.1	1282.1	1286.9	1284.0	1291.7	1305.1	1301.3	1294.6	1286.9	1288.8	1296.5
12.5°	1265.7	1265.7	1271.5	1268.6	1276.3	1288.8	1284.0	1279.2	1271.5	1273.4	1282.1
15°	1245.5	1246.5	1253.2	1250.3	1257.0	1269.5	1264.7	1260.9	1254.2	1255.1	1261.9
17.5°	1222.4	1225.3	1232.0	1229.2	1235.9	1248.4	1242.6	1238.8	1233.0	1234.0	1240.7
20°	1197.4	1200.3	1207.0	1205.1	1209.9	1222.4	1216.6	1214.7	1209.0	1209.9	1215.7
22.5°	1169.5	1172.4	1180.1	1178.2	1183.0	1195.5	1188.8	1187.8	1182.0	1183.0	1187.8
25°	1137.8	1141.6	1150.3	1148.4	1152.2	1163.8	1158.0	1156.1	1152.2	1152.2	1156.1
27.5°	1105.1	1108.9	1118.5	1115.7	1118.5	1131.1	1124.3	1123.4	1119.5	1119.5	1123.4
30°	1069.5	1073.3	1083.9	1081.0	1083.9	1094.5	1087.8	1088.7	1084.9	1084.9	1087.8
32.5°	1032.0	1034.9	1046.4	1044.5	1046.4	1057.0	1050.3	1051.2	1047.4	1048.3	1049.3
35°	992.6	995.4	1007.9	1006.0	1007.0	1016.6	1011.8	1011.8	1008.9	1007.9	1009.9
37.5°	952.2	955.0	970.4	965.6	965.6	975.2	971.4	971.4	968.5	967.5	968.5
40°	910.8	912.7	929.1	924.3	923.3	932.0	929.1	929.1	927.2	925.2	926.2
42.5°	867.5	870.4	886.8	882.9	879.1	888.7	885.8	886.8	883.9	882.0	882.0
45°	822.3	825.2	841.6	839.6	833.9	842.5	839.6	841.6	837.7	835.8	835.8
47.5°	777.1	781.0	796.4	793.5	787.7	796.4	793.5	795.4	791.5	789.6	789.6
50°	730.0	733.8	750.2	745.4	739.6	748.3	746.3	747.3	744.4	742.5	741.5
52.5°	681.9	686.7	702.1	696.3	691.5	699.2	698.3	699.2	695.4	694.4	693.4
55°	633.8	638.6	653.0	646.3	642.5	649.2	647.3	649.2	645.4	644.4	643.4
57.5°	583.8	588.6	602.1	595.3	592.5	598.2	597.3	598.2	595.3	594.4	593.4
60°	534.7	538.6	551.1	544.4	541.5	547.3	545.3	548.2	544.4	544.4	543.4
62.5°	482.8	487.6	500.1	492.4	490.5	495.3	493.4	496.3	494.4	492.4	491.5
65°	431.8	434.7	446.3	439.5	436.6	442.4	441.5	443.4	440.5	441.5	440.5
67.5°	380.9	382.8	394.3	386.6	384.7	390.5	391.4	390.5	388.6	389.5	388.6
70°	328.9	330.9	340.5	333.7	332.8	337.6	339.5	338.5	336.6	337.6	338.5
72.5°	278.9	279.9	288.5	282.8	281.8	287.6	287.6	287.6	287.6	287.6	289.5
75°	228.9	229.9	237.6	232.8	231.8	237.6	237.6	237.6	237.6	239.5	238.5
77.5°	180.8	179.9	187.5	184.7	182.7	188.5	188.5	189.5	191.4	193.3	190.4
80°	135.6	134.6	140.4	136.6	136.6	142.3	141.4	142.3	144.3	145.2	146.2
82.5°	95.2	93.3	98.1	97.1	96.2	101.0	101.9	101.0	103.9	104.8	104.8
85°	58.7	58.7	61.6	59.6	59.6	63.5	63.5	64.4	66.4	67.3	67.3
87.5°	27.9	26.9	29.8	28.9	27.9	30.8	30.8	31.7	32.7	33.7	32.7
90°	1.0	1.0	1.9	1.9	1.9	3.8	3.8	3.8	4.8	4.8	3.8
92.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9
95°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0



TEST NUMBER: P893624
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0
132.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	0.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	1.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0
170°	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.9	1.9
177.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8	1313.8
2.5°	1309.0	1302.2	1299.4	1301.3	1314.8	1301.3	1315.7	1320.5	1303.2	1312.8
5°	1305.1	1298.4	1294.6	1296.5	1309.9	1297.4	1312.8	1318.6	1304.2	1313.8
7.5°	1297.4	1289.7	1287.8	1290.7	1302.2	1291.7	1307.1	1312.8	1298.4	1308.0
10°	1285.9	1279.2	1277.2	1280.1	1290.7	1280.1	1293.6	1298.4	1284.9	1293.6
12.5°	1271.5	1264.7	1262.8	1266.7	1276.3	1266.7	1280.1	1284.9	1271.5	1280.1
15°	1253.2	1246.5	1245.5	1251.3	1259.9	1251.3	1264.7	1268.6	1255.1	1263.8
17.5°	1231.1	1224.3	1225.3	1232.0	1238.8	1231.1	1243.6	1247.4	1234.9	1241.7
20°	1207.0	1199.3	1201.3	1207.0	1212.8	1205.1	1217.6	1221.5	1209.9	1216.6
22.5°	1179.1	1171.4	1173.4	1180.1	1183.9	1177.2	1188.8	1192.6	1183.0	1189.7
25°	1148.4	1141.6	1144.5	1151.2	1154.1	1148.4	1158.9	1161.8	1153.2	1158.9
27.5°	1117.6	1109.9	1113.7	1120.5	1122.4	1116.6	1127.2	1129.1	1120.5	1126.2
30°	1083.0	1075.3	1080.1	1087.8	1087.8	1083.9	1092.6	1094.5	1087.8	1092.6
32.5°	1044.5	1038.7	1044.5	1051.2	1050.3	1047.4	1056.0	1058.0	1052.2	1056.0
35°	1006.0	1001.2	1007.0	1013.7	1012.8	1009.9	1018.5	1019.5	1014.7	1018.5
37.5°	966.6	962.7	968.5	974.3	972.4	970.4	978.1	978.1	975.2	979.1
40°	926.2	922.3	927.2	933.9	930.0	930.0	934.8	936.8	933.9	937.7
42.5°	883.9	880.0	885.8	891.6	887.7	886.8	892.5	893.5	891.6	894.5
45°	839.6	835.8	841.6	846.4	842.5	842.5	847.3	847.3	846.4	850.2
47.5°	794.4	791.5	796.4	801.2	797.3	800.2	800.2	800.2	802.1	801.2
50°	748.3	745.4	749.2	755.0	750.2	751.1	753.1	753.1	754.0	755.0
52.5°	700.2	696.3	700.2	706.9	700.2	703.1	704.0	705.0	707.9	705.9
55°	652.1	648.2	652.1	657.9	651.1	655.0	655.0	655.9	658.8	656.9
57.5°	602.1	598.2	604.0	607.8	601.1	605.0	605.0	606.9	608.8	605.9
60°	552.1	549.2	551.1	557.8	551.1	554.9	554.9	554.9	558.8	555.9
62.5°	501.1	499.2	501.1	506.9	500.1	504.0	503.0	504.0	507.8	506.9
65°	449.2	447.2	449.2	454.9	448.2	452.0	452.0	453.0	455.9	452.0
67.5°	398.2	395.3	398.2	403.0	397.2	400.1	400.1	400.1	404.9	403.0
70°	346.2	344.3	346.2	351.0	346.2	348.2	348.2	348.2	353.0	353.9
72.5°	295.3	295.3	297.2	301.0	297.2	301.0	298.2	296.2	303.0	303.9
75°	245.3	246.2	247.2	251.0	247.2	251.0	249.1	247.2	252.9	253.9
77.5°	199.1	199.1	200.0	202.9	200.0	202.9	201.0	201.0	204.9	203.9
80°	152.0	152.0	152.9	155.8	152.9	155.8	153.9	153.9	157.7	153.9
82.5°	110.6	110.6	110.6	113.5	111.6	113.5	112.5	110.6	115.4	111.6
85°	71.2	72.1	72.1	73.1	72.1	73.1	73.1	72.1	75.0	72.1
87.5°	36.5	36.5	36.5	37.5	36.5	36.5	37.5	36.5	38.5	37.5
90°	6.7	5.8	5.8	7.7	6.7	6.7	7.7	5.8	6.7	5.8
92.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.8	3.8
95°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9
97.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
100°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
102.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
105°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	1.0



TEST NUMBER: P893624
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P893624
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L950

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	19.27	20.91	19.64	21.23	21.54	19.41	21.04	19.78	21.36	21.68
	3H	21.10	22.58	21.47	22.90	23.27	21.24	22.72	21.62	23.05	23.41
	4H	21.76	23.15	22.16	23.50	23.88	21.95	23.34	22.35	23.69	24.07
	6H	22.21	23.50	22.62	23.87	24.26	22.51	23.80	22.92	24.17	24.56
	8H	22.35	23.58	22.77	23.98	24.38	22.70	23.94	23.13	24.33	24.73
	12H	22.44	23.63	22.88	24.01	24.44	22.84	24.03	23.27	24.41	24.84
4H	2H	19.91	21.30	20.31	21.65	22.03	20.01	21.41	20.41	21.76	22.14
	3H	21.95	23.12	22.36	23.52	23.92	22.08	23.25	22.49	23.65	24.06
	4H	22.74	23.80	23.17	24.22	24.66	22.93	23.99	23.36	24.40	24.84
	6H	23.32	24.24	23.77	24.69	25.14	23.62	24.55	24.07	24.99	25.45
	8H	23.51	24.38	23.97	24.82	25.29	23.86	24.73	24.33	25.18	25.64
	12H	23.65	24.43	24.13	24.91	25.38	24.06	24.84	24.54	25.32	25.79
8H	4H	23.07	23.94	23.53	24.38	24.85	23.24	24.10	23.70	24.55	25.02
	6H	23.77	24.50	24.27	24.99	25.46	24.06	24.79	24.56	25.27	25.75
	8H	24.04	24.69	24.55	25.19	25.68	24.39	25.04	24.90	25.55	26.04
	12H	24.25	24.83	24.76	25.32	25.88	24.67	25.25	25.18	25.74	26.30
12H	4H	23.11	23.90	23.59	24.37	24.84	23.27	24.05	23.75	24.53	25.00
	6H	23.84	24.49	24.35	25.00	25.49	24.12	24.77	24.63	25.28	25.76
	8H	24.17	24.74	24.68	25.24	25.80	24.51	25.09	25.02	25.58	26.14