

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: P893622

Luminaire Tested: 4MB-5SL-FLT-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893622
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-L935
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

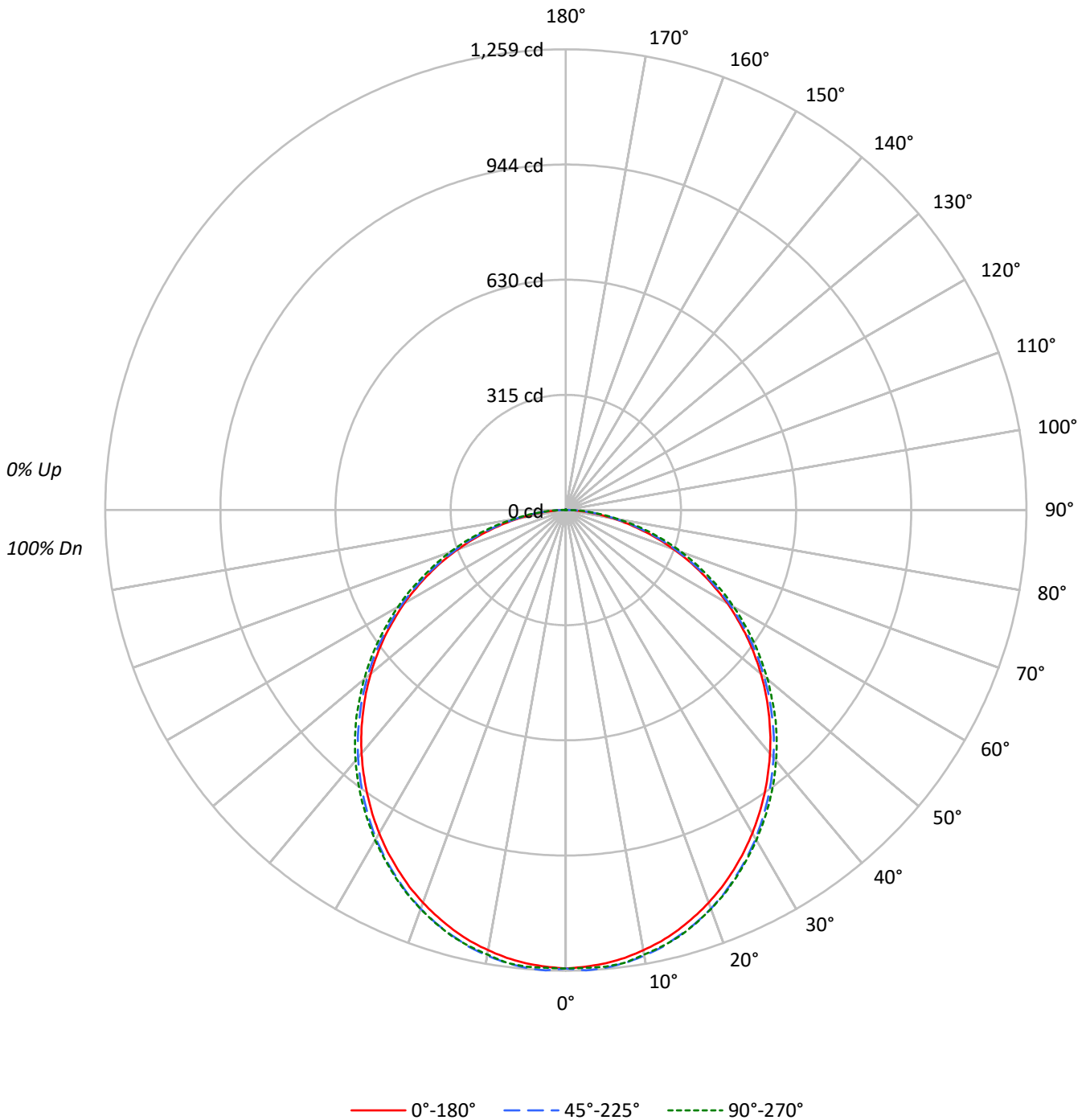
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3478.0 lumens
Efficiency: N/A
Efficacy: 99.4 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

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Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-5SL-FLT-UNV-L935

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°	8914	8914	8914
5°	8883	8968	8948
10°	8826	8933	8912
15°	8749	8864	8877
20°	8646	8779	8785
25°	8519	8655	8676
30°	8379	8523	8561
35°	8222	8365	8437
40°	8068	8204	8306
45°	7891	8021	8158
50°	7706	7828	7970
55°	7497	7611	7771
60°	7257	7374	7543
65°	6933	7073	7258
70°	6526	6717	7021
75°	6001	6254	6655
80°	5298	5712	6015
85°	4563	5241	5617

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8158 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	3.4
10°-20°	337.7	9.7
20°-30°	506.0	14.6
30°-40°	602.1	17.3
40°-50°	617.8	17.8
50°-60°	553.5	15.9
60°-70°	420.6	12.1
70°-80°	244.4	7.0
80°-90°	73.4	2.1
90°-100°	1.7	0.0
100°-110°	0.3	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.4	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	962.2	27.7
0°-40°	1564.4	45.0
0°-60°	2735.7	78.7
0°-90°	3474.1	99.9
90°-120°	2.1	0.1
90°-150°	3.1	0.1
90°-180°	4.0	0.1
0°-180°	3478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1253	1253	1253	1253	1253	
5°	1244	1265	1256	1249	1253	118
15°	1188	1211	1203	1202	1205	335
25°	1085	1110	1102	1101	1105	500
35°	947	970	963	966	971	592
45°	784	804	797	804	811	605
55°	604	619	614	621	626	540
65°	412	422	420	427	431	408
75°	218	227	228	236	242	232
85°	56	60	64	69	69	61
90°	1	4	4	6	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	0
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	



TEST NUMBER: P893622
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1249.2	1247.4	1249.2	1248.3	1257.5	1268.5	1266.7	1258.4	1249.2	1252.0	1259.3
5°	1243.7	1242.8	1245.6	1243.7	1252.9	1264.8	1261.2	1253.8	1245.6	1248.3	1255.7
7.5°	1234.6	1234.6	1238.2	1236.4	1244.7	1256.6	1252.9	1246.5	1238.2	1241.0	1248.3
10°	1221.7	1222.6	1227.2	1224.5	1231.8	1244.7	1241.0	1234.6	1227.2	1229.1	1236.4
12.5°	1207.0	1207.0	1212.6	1209.8	1217.1	1229.1	1224.5	1219.9	1212.6	1214.4	1222.6
15°	1187.8	1188.7	1195.1	1192.4	1198.8	1210.7	1206.1	1202.5	1196.0	1197.0	1203.4
17.5°	1165.8	1168.5	1174.9	1172.2	1178.6	1190.5	1185.0	1181.4	1175.9	1176.8	1183.2
20°	1141.9	1144.7	1151.1	1149.3	1153.9	1165.8	1160.3	1158.4	1152.9	1153.9	1159.4
22.5°	1115.3	1118.1	1125.4	1123.6	1128.2	1140.1	1133.7	1132.8	1127.3	1128.2	1132.8
25°	1085.1	1088.7	1097.0	1095.1	1098.8	1109.8	1104.3	1102.5	1098.8	1098.8	1102.5
27.5°	1053.9	1057.5	1066.7	1064.0	1066.7	1078.6	1072.2	1071.3	1067.6	1067.6	1071.3
30°	1019.9	1023.6	1033.7	1030.9	1033.7	1043.8	1037.4	1038.3	1034.6	1034.6	1037.4
32.5°	984.2	986.9	997.9	996.1	997.9	1008.0	1001.6	1002.5	998.8	999.8	1000.7
35°	946.6	949.3	961.2	959.4	960.3	969.5	964.9	964.9	962.2	961.2	963.1
37.5°	908.0	910.8	925.5	920.9	920.9	930.1	926.4	926.4	923.6	922.7	923.6
40°	868.6	870.4	886.0	881.4	880.5	888.8	886.0	886.0	884.2	882.4	883.3
42.5°	827.3	830.1	845.7	842.0	838.3	847.5	844.8	845.7	842.9	841.1	841.1
45°	784.2	787.0	802.6	800.7	795.2	803.5	800.7	802.6	798.9	797.1	797.1
47.5°	741.1	744.8	759.4	756.7	751.2	759.4	756.7	758.5	754.9	753.0	753.0
50°	696.2	699.8	715.4	710.8	705.3	713.6	711.8	712.7	709.9	708.1	707.2
52.5°	650.3	654.9	669.6	664.1	659.5	666.8	665.9	666.8	663.1	662.2	661.3
55°	604.4	609.0	622.8	616.4	612.7	619.1	617.3	619.1	615.4	614.5	613.6
57.5°	556.7	561.3	574.2	567.8	565.0	570.5	569.6	570.5	567.8	566.8	565.9
60°	510.0	513.6	525.6	519.1	516.4	521.9	520.1	522.8	519.1	519.1	518.2
62.5°	460.4	465.0	476.9	469.6	467.8	472.4	470.5	473.3	471.4	469.6	468.7
65°	411.8	414.6	425.6	419.2	416.4	421.9	421.0	422.8	420.1	421.0	420.1
67.5°	363.2	365.0	376.1	368.7	366.9	372.4	373.3	372.4	370.6	371.5	370.6
70°	313.7	315.5	324.7	318.3	317.4	321.9	323.8	322.9	321.0	321.9	322.9
72.5°	266.0	266.9	275.2	269.7	268.7	274.2	274.2	274.2	274.2	274.2	276.1
75°	218.3	219.2	226.6	222.0	221.0	226.6	226.6	226.6	226.6	228.4	227.5
77.5°	172.4	171.5	178.9	176.1	174.3	179.8	179.8	180.7	182.5	184.4	181.6
80°	129.3	128.4	133.9	130.2	130.2	135.7	134.8	135.7	137.6	138.5	139.4
82.5°	90.8	89.0	93.6	92.6	91.7	96.3	97.2	96.3	99.1	100.0	100.0
85°	55.9	55.9	58.7	56.9	56.9	60.5	60.5	61.5	63.3	64.2	64.2
87.5°	26.6	25.7	28.4	27.5	26.6	29.4	29.4	30.3	31.2	32.1	31.2
90°	0.9	0.9	1.8	1.8	1.8	3.7	3.7	3.7	4.6	4.6	3.7
92.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8
95°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9



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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	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9
132.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
135°	0.0	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.0	0.9
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
170°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9	1252.9
2.5°	1248.3	1241.9	1239.2	1241.0	1253.8	1241.0	1254.7	1259.3	1242.8	1252.0
5°	1244.7	1238.2	1234.6	1236.4	1249.2	1237.3	1252.0	1257.5	1243.7	1252.9
7.5°	1237.3	1230.0	1228.1	1230.9	1241.9	1231.8	1246.5	1252.0	1238.2	1247.4
10°	1226.3	1219.9	1218.1	1220.8	1230.9	1220.8	1233.6	1238.2	1225.4	1233.6
12.5°	1212.6	1206.1	1204.3	1208.0	1217.1	1208.0	1220.8	1225.4	1212.6	1220.8
15°	1195.1	1188.7	1187.8	1193.3	1201.5	1193.3	1206.1	1209.8	1197.0	1205.2
17.5°	1174.0	1167.6	1168.5	1174.9	1181.4	1174.0	1186.0	1189.6	1177.7	1184.1
20°	1151.1	1143.8	1145.6	1151.1	1156.6	1149.3	1161.2	1164.9	1153.9	1160.3
22.5°	1124.5	1117.2	1119.0	1125.4	1129.1	1122.7	1133.7	1137.3	1128.2	1134.6
25°	1095.1	1088.7	1091.5	1097.9	1100.7	1095.1	1105.2	1108.0	1099.7	1105.2
27.5°	1065.8	1058.5	1062.1	1068.5	1070.4	1064.9	1075.0	1076.8	1068.5	1074.1
30°	1032.8	1025.4	1030.0	1037.4	1037.4	1033.7	1042.0	1043.8	1037.4	1042.0
32.5°	996.1	990.6	996.1	1002.5	1001.6	998.8	1007.1	1008.9	1003.4	1007.1
35°	959.4	954.8	960.3	966.7	965.8	963.1	971.3	972.2	967.7	971.3
37.5°	921.8	918.1	923.6	929.1	927.3	925.5	932.8	932.8	930.1	933.7
40°	883.3	879.6	884.2	890.6	886.9	886.9	891.5	893.4	890.6	894.3
42.5°	842.9	839.2	844.8	850.3	846.6	845.7	851.2	852.1	850.3	853.0
45°	800.7	797.1	802.6	807.1	803.5	803.5	808.1	808.1	807.1	810.8
47.5°	757.6	754.9	759.4	764.0	760.4	763.1	763.1	763.1	765.0	764.0
50°	713.6	710.8	714.5	720.0	715.4	716.3	718.2	718.2	719.1	720.0
52.5°	667.7	664.1	667.7	674.1	667.7	670.5	671.4	672.3	675.1	673.2
55°	621.9	618.2	621.9	627.4	621.0	624.6	624.6	625.5	628.3	626.5
57.5°	574.2	570.5	576.0	579.7	573.3	576.9	576.9	578.8	580.6	577.8
60°	526.5	523.7	525.6	532.0	525.6	529.2	529.2	529.2	532.9	530.1
62.5°	477.9	476.0	477.9	483.4	476.9	480.6	479.7	480.6	484.3	483.4
65°	428.3	426.5	428.3	433.8	427.4	431.1	431.1	432.0	434.8	431.1
67.5°	379.7	377.0	379.7	384.3	378.8	381.6	381.6	381.6	386.1	384.3
70°	330.2	328.4	330.2	334.8	330.2	332.0	332.0	332.0	336.6	337.5
72.5°	281.6	281.6	283.4	287.1	283.4	287.1	284.3	282.5	288.9	289.8
75°	233.9	234.8	235.7	239.4	235.7	239.4	237.6	235.7	241.2	242.1
77.5°	189.9	189.9	190.8	193.5	190.8	193.5	191.7	191.7	195.4	194.4
80°	144.9	144.9	145.8	148.6	145.8	148.6	146.8	146.8	150.4	146.8
82.5°	105.5	105.5	105.5	108.2	106.4	108.2	107.3	105.5	110.1	106.4
85°	67.9	68.8	68.8	69.7	68.8	69.7	69.7	68.8	71.5	68.8
87.5°	34.9	34.9	34.9	35.8	34.9	34.9	35.8	34.9	36.7	35.8
90°	6.4	5.5	5.5	7.3	6.4	6.4	7.3	5.5	6.4	5.5
92.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.7	3.7
95°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.8
97.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
100°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
102.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
105°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9
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	0.9	0.0	0.0	0.0	0.9



TEST NUMBER: P893622
 CATALOG NUMBER: 4MB-5SL-FLT-UNV-L935

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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.9	0.9	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°	0.9	0.9	0.9	0.9	0.0	0.9	0.0	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9



TEST NUMBER: P893622
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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	19.11	20.74	19.47	21.06	21.38	19.24	20.88	19.61	21.20	21.51
	3H	20.93	22.41	21.31	22.74	23.10	21.08	22.56	21.46	22.89	23.25
	4H	21.59	22.99	21.99	23.34	23.72	21.78	23.18	22.18	23.53	23.91
	6H	22.04	23.34	22.46	23.71	24.10	22.34	23.64	22.75	24.00	24.40
	8H	22.18	23.42	22.61	23.81	24.21	22.54	23.77	22.96	24.16	24.56
	12H	22.28	23.47	22.71	23.85	24.28	22.68	23.86	23.11	24.25	24.68
4H	2H	19.74	21.14	20.14	21.49	21.87	19.85	21.24	20.25	21.59	21.97
	3H	21.78	22.95	22.19	23.35	23.76	21.92	23.09	22.33	23.49	23.89
	4H	22.58	23.64	23.01	24.05	24.49	22.76	23.82	23.19	24.24	24.68
	6H	23.15	24.08	23.61	24.52	24.98	23.45	24.38	23.91	24.82	25.28
	8H	23.34	24.21	23.80	24.65	25.12	23.70	24.57	24.16	25.01	25.48
	12H	23.48	24.27	23.97	24.74	25.21	23.89	24.67	24.37	25.15	25.62
8H	4H	22.91	23.77	23.37	24.22	24.69	23.07	23.94	23.53	24.38	24.85
	6H	23.61	24.33	24.10	24.82	25.30	23.90	24.62	24.39	25.11	25.59
	8H	23.87	24.52	24.38	25.03	25.52	24.23	24.88	24.74	25.38	25.87
	12H	24.09	24.66	24.59	25.15	25.72	24.51	25.09	25.02	25.58	26.14
12H	4H	22.95	23.73	23.43	24.21	24.68	23.10	23.88	23.58	24.36	24.83
	6H	23.68	24.33	24.19	24.84	25.33	23.95	24.60	24.46	25.11	25.60
	8H	24.00	24.58	24.51	25.07	25.63	24.35	24.92	24.85	25.41	25.98