

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: P893666

Luminaire Tested: 4MB-5SL-RND-UNV-L835

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-RND-UNV-L835  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT  
Light Source: -  
Ballast/Driver: -

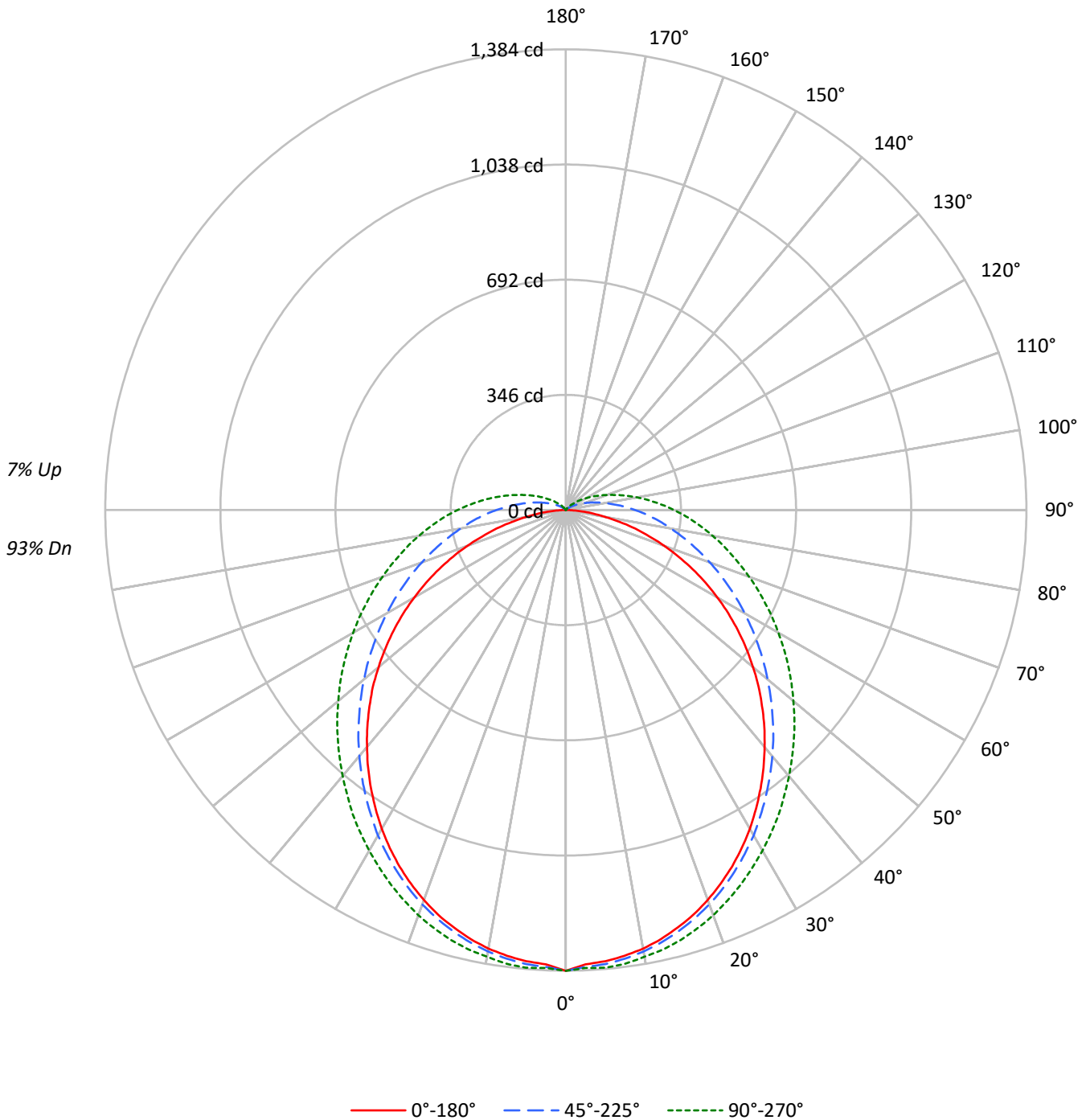
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4583.0 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35  
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<sub>in</sub>): 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: P893666  
CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

### Luminous Intensity Polar Plot





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**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	9850	9850	9850
5°	9718	9779	9857
10°	9665	9728	9845
15°	9567	9647	9846
20°	9440	9547	9810
25°	9278	9414	9754
30°	9087	9274	9709
35°	8863	9108	9692
40°	8632	8965	9689
45°	8393	8840	9755
50°	8129	8766	9880
55°	7834	8748	10118
60°	7492	8833	10497
65°	7076	9064	11125
70°	6557	9578	12190
75°	5927	10661	14144
80°	5015	13136	18377
85°	4065	21397	31479

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 57955 cd/sqm



TEST NUMBER: P893666

CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.9	2.9
10°-20°	373.0	8.1
20°-30°	558.6	12.2
30°-40°	666.0	14.5
40°-50°	690.7	15.1
50°-60°	640.8	14.0
60°-70°	534.6	11.7
70°-80°	398.6	8.7
80°-90°	265.4	5.8
90°-100°	161.6	3.5
100°-110°	90.2	2.0
110°-120°	45.1	1.0
120°-130°	18.8	0.4
130°-140°	5.9	0.1
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.2	0.0
0°-30°	1062.5	23.2
0°-40°	1728.5	37.7
0°-60°	3060.1	66.8
0°-90°	4258.7	92.9
90°-120°	296.9	6.5
90°-150°	323.1	7.0
90°-180°	324.0	7.1
0°-180°	4583.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1384	1384	1384	1384	1384	
5°	1361	1392	1369	1377	1380	129
15°	1299	1332	1310	1334	1337	366
25°	1182	1213	1199	1233	1242	544
35°	1020	1048	1049	1101	1116	638
45°	834	856	878	948	970	644
55°	632	653	705	788	816	565
65°	420	454	538	629	661	416
75°	216	275	388	482	514	228
85°	50	136	262	352	386	56
90°	2	90	208	294	325	4
95°	0	55	160	240	269	0
105°	0	17	88	148	171	0
115°	1	4	41	83	100	1
125°	1	1	16	40	50	1
135°	1	1	4	14	18	1
145°	1	1	1	3	4	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4
2.5°	1366.0	1368.2	1387.7	1386.6	1383.3	1396.3	1399.6	1388.7	1371.4	1388.7	1373.6
5°	1360.6	1362.7	1382.2	1381.2	1377.9	1392.0	1393.1	1383.3	1366.0	1383.3	1369.2
7.5°	1350.8	1353.0	1372.5	1371.4	1369.2	1383.3	1382.2	1374.7	1356.2	1374.7	1359.5
10°	1337.8	1338.9	1359.5	1357.3	1356.2	1370.3	1367.1	1360.6	1342.2	1360.6	1346.5
12.5°	1320.5	1321.6	1342.2	1340.0	1340.0	1353.0	1348.7	1343.2	1324.8	1342.2	1330.2
15°	1298.8	1299.9	1319.4	1318.3	1318.3	1332.4	1325.9	1321.6	1304.2	1322.7	1309.7
17.5°	1275.0	1273.9	1294.5	1292.3	1294.5	1307.5	1298.8	1296.7	1280.4	1297.7	1286.9
20°	1246.8	1246.8	1265.2	1264.2	1267.4	1279.3	1268.5	1269.6	1253.3	1271.7	1260.9
22.5°	1215.4	1214.3	1232.7	1232.7	1236.0	1247.9	1236.0	1239.2	1223.0	1240.3	1231.7
25°	1181.8	1179.7	1198.1	1198.1	1203.5	1213.2	1200.3	1204.6	1189.4	1206.7	1199.2
27.5°	1145.0	1141.8	1160.2	1161.3	1165.6	1175.3	1161.3	1167.8	1153.7	1169.9	1164.5
30°	1106.0	1102.8	1121.2	1122.3	1127.7	1135.3	1121.2	1129.8	1116.8	1133.1	1128.8
32.5°	1063.8	1061.6	1078.9	1081.1	1086.5	1091.9	1078.9	1087.6	1076.8	1093.0	1088.7
35°	1020.4	1018.3	1034.5	1037.8	1043.2	1047.5	1033.4	1045.3	1035.6	1050.8	1048.6
37.5°	976.0	972.8	990.1	992.3	998.8	1000.9	987.9	1002.0	993.3	1008.5	1007.4
40°	929.4	926.2	943.5	945.7	952.2	952.2	941.4	956.5	950.0	964.1	965.2
42.5°	882.9	879.6	894.8	899.1	904.5	904.5	893.7	909.9	905.6	919.7	922.9
45°	834.1	830.9	844.9	849.3	855.8	855.8	844.9	863.4	860.1	874.2	878.5
47.5°	786.4	782.1	795.1	799.4	805.9	804.9	796.2	814.6	813.5	827.6	835.2
50°	734.4	731.2	744.2	748.5	756.1	753.9	747.4	766.9	766.9	781.0	791.9
52.5°	683.5	680.3	693.3	697.6	704.1	704.1	697.6	718.2	721.5	735.5	748.5
55°	631.5	627.2	640.2	644.5	652.1	653.2	647.8	668.4	674.9	691.1	705.2
57.5°	579.5	577.4	588.2	592.5	602.3	602.3	599.0	620.7	629.4	646.7	663.0
60°	526.5	524.3	534.0	539.5	550.3	552.5	550.3	573.0	585.0	602.3	620.7
62.5°	473.4	471.2	481.0	488.5	500.5	502.6	503.7	527.5	540.5	559.0	579.5
65°	420.3	418.1	427.9	436.6	450.6	453.9	457.1	482.1	497.2	516.7	538.4
67.5°	367.2	366.1	375.9	386.7	401.9	406.2	411.6	437.6	455.0	475.6	499.4
70°	315.2	314.1	323.9	336.9	355.3	360.7	367.2	393.2	414.9	436.6	460.4
72.5°	263.2	264.3	275.1	290.3	310.9	316.3	325.0	352.1	375.9	398.6	423.6
75°	215.6	215.6	227.5	244.8	267.6	275.1	284.9	313.1	338.0	361.8	387.8
77.5°	166.8	166.8	180.9	202.6	227.5	235.1	247.0	276.2	303.3	327.1	353.1
80°	122.4	124.6	140.8	162.5	188.5	198.2	212.3	241.6	270.8	294.6	320.6
82.5°	83.4	86.7	104.0	128.9	154.9	164.7	178.7	210.2	239.4	264.3	291.4
85°	49.8	55.2	73.7	98.6	125.7	136.5	151.7	180.9	210.2	235.1	262.1
87.5°	22.7	30.3	49.8	74.7	100.7	112.7	125.7	153.8	183.1	208.0	236.2
90°	2.2	13.0	32.5	54.2	79.1	89.9	102.9	130.0	158.2	180.9	208.0
92.5°	0.0	5.4	19.5	39.0	60.7	71.5	83.4	109.4	134.3	157.1	183.1
95°	0.0	2.2	10.8	27.1	45.5	55.2	66.1	89.9	114.8	136.5	160.3
97.5°	0.0	1.1	6.5	18.4	33.6	42.2	52.0	73.7	96.4	117.0	138.7
100°	0.0	1.1	3.2	11.9	24.9	31.4	41.2	59.6	80.2	98.6	120.2
102.5°	0.0	0.0	2.2	7.6	18.4	23.8	31.4	47.7	66.1	83.4	102.9
105°	0.0	0.0	1.1	5.4	13.0	17.3	23.8	37.9	54.2	69.3	87.7
107.5°	0.0	0.0	1.1	3.2	8.7	13.0	18.4	29.2	43.3	57.4	73.7
110°	1.1	1.1	1.1	2.2	6.5	9.7	13.0	22.7	35.7	47.7	61.7



TEST NUMBER: P893666

CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.1	1.1	1.1	1.1	4.3	6.5	9.7	17.3	28.2	37.9	50.9
115°	1.1	1.1	1.1	1.1	3.2	4.3	6.5	13.0	21.7	30.3	41.2
117.5°	1.1	1.1	1.1	1.1	2.2	3.2	4.3	9.7	16.2	23.8	33.6
120°	1.1	1.1	1.1	1.1	1.1	2.2	3.2	6.5	13.0	18.4	27.1
122.5°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	5.4	9.7	14.1	20.6
125°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	6.5	10.8	16.2
127.5°	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	4.3	7.6	11.9
130°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	5.4	8.7
132.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	4.3	6.5
135°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	3.2	4.3
137.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	3.2
140°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
142.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2
145°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
147.5°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
150°	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
152.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1
155°	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
160°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
162.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1	1.1
165°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1	1.1
167.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
170°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
172.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.1
175°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
177.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



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CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4	1384.4
2.5°	1377.9	1381.2	1384.4	1375.7	1381.2	1390.9	1394.2	1381.2	1385.5	1376.8
5°	1373.6	1375.7	1380.1	1369.2	1376.8	1385.5	1390.9	1380.1	1386.6	1380.1
7.5°	1364.9	1367.1	1372.5	1361.7	1371.4	1379.0	1385.5	1374.7	1381.2	1374.7
10°	1351.9	1355.2	1362.7	1349.7	1361.7	1368.2	1374.7	1362.7	1369.2	1362.7
12.5°	1335.7	1341.1	1347.6	1335.7	1347.6	1353.0	1361.7	1349.7	1357.3	1351.9
15°	1316.2	1321.6	1330.2	1318.3	1333.5	1337.8	1346.5	1334.6	1342.2	1336.7
17.5°	1293.4	1299.9	1310.7	1296.7	1314.0	1317.2	1325.9	1315.1	1322.7	1317.2
20°	1267.4	1273.9	1284.7	1271.7	1289.1	1291.2	1301.0	1291.2	1298.8	1295.6
22.5°	1237.1	1244.7	1255.5	1243.6	1262.0	1262.0	1273.9	1264.2	1272.8	1269.6
25°	1205.7	1214.3	1226.2	1213.2	1232.7	1232.7	1245.7	1236.0	1244.7	1242.5
27.5°	1172.1	1181.8	1195.9	1182.9	1202.4	1201.3	1214.3	1205.7	1215.4	1212.2
30°	1136.3	1147.2	1161.3	1150.4	1171.0	1168.8	1181.8	1174.3	1182.9	1181.8
32.5°	1097.3	1109.3	1126.6	1114.7	1135.3	1133.1	1149.3	1140.7	1151.5	1149.3
35°	1058.3	1071.3	1088.7	1077.8	1100.6	1097.3	1113.6	1106.0	1116.8	1115.8
37.5°	1018.3	1032.3	1049.7	1041.0	1062.7	1059.4	1076.8	1070.3	1082.2	1078.9
40°	977.1	991.2	1009.6	1002.0	1024.8	1020.4	1038.8	1033.4	1045.3	1043.2
42.5°	935.9	951.1	969.5	965.2	986.8	982.5	1000.9	996.6	1008.5	1006.3
45°	893.7	909.9	929.4	925.1	947.9	943.5	961.9	958.7	970.6	969.5
47.5°	851.4	868.8	888.3	886.1	907.8	903.4	922.9	919.7	931.6	931.6
50°	808.1	827.6	847.1	846.0	867.7	863.4	880.7	880.7	893.7	892.6
52.5°	764.8	785.4	805.9	805.9	827.6	823.3	842.8	841.7	854.7	854.7
55°	723.6	742.0	762.6	766.9	787.5	781.0	801.6	803.8	814.6	815.7
57.5°	682.5	702.0	722.5	727.9	747.4	743.1	762.6	764.8	775.6	776.7
60°	641.3	659.7	680.3	687.9	707.4	703.0	722.5	724.7	736.6	737.7
62.5°	600.1	618.5	641.3	648.9	667.3	664.0	684.6	686.8	697.6	699.8
65°	560.0	579.5	601.2	612.0	629.4	625.0	645.6	647.8	659.7	660.8
67.5°	521.0	540.5	562.2	574.1	590.4	588.2	607.7	612.0	621.8	624.0
70°	483.1	502.6	525.4	537.3	553.5	552.5	570.9	574.1	585.0	586.0
72.5°	446.3	465.8	488.5	502.6	516.7	515.6	534.0	538.4	549.2	550.3
75°	410.6	431.1	452.8	468.0	482.1	481.0	499.4	503.7	513.5	514.5
77.5°	377.0	397.6	420.3	435.5	447.4	448.5	464.7	469.1	478.8	482.1
80°	345.6	365.1	386.7	403.0	413.8	416.0	431.1	436.6	444.1	448.5
82.5°	315.2	334.7	356.4	371.6	382.4	384.6	398.6	405.1	412.7	416.0
85°	286.0	305.5	326.1	342.3	352.1	353.1	367.2	373.7	380.2	385.6
87.5°	257.8	277.3	296.8	314.1	322.8	325.0	338.0	344.5	349.9	355.3
90°	229.7	249.1	268.6	284.9	293.6	294.6	308.7	315.2	320.6	325.0
92.5°	203.7	223.2	242.6	258.9	266.5	268.6	280.6	288.1	292.5	296.8
95°	178.7	198.2	215.6	232.9	240.5	243.7	254.6	261.1	266.5	268.6
97.5°	157.1	174.4	190.7	208.0	214.5	217.7	228.6	236.2	240.5	242.6
100°	136.5	152.7	167.9	184.2	190.7	193.9	203.7	210.2	214.5	217.7
102.5°	118.1	133.2	147.3	162.5	169.0	171.2	179.8	186.3	190.7	193.9
105°	101.8	115.9	128.9	143.0	148.4	151.7	159.2	164.7	169.0	171.2
107.5°	86.7	100.7	111.6	124.6	130.0	132.2	139.7	146.2	149.5	150.6
110°	73.7	85.6	96.4	107.2	113.7	115.9	122.4	127.8	131.1	132.2





TEST NUMBER: P893666

CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	61.7	72.6	82.3	92.1	97.5	99.7	106.2	111.6	113.7	114.8
115°	50.9	61.7	69.3	79.1	83.4	85.6	91.0	96.4	97.5	99.7
117.5°	41.2	50.9	58.5	66.1	70.4	72.6	76.9	81.2	83.4	84.5
120°	33.6	41.2	47.7	55.2	58.5	60.7	65.0	69.3	70.4	71.5
122.5°	27.1	33.6	39.0	45.5	48.7	50.9	54.2	57.4	58.5	59.6
125°	20.6	27.1	31.4	36.8	40.1	41.2	44.4	47.7	48.7	49.8
127.5°	16.2	20.6	24.9	29.2	31.4	32.5	35.7	37.9	39.0	40.1
130°	11.9	15.2	18.4	22.7	24.9	26.0	28.2	30.3	31.4	31.4
132.5°	8.7	11.9	14.1	17.3	18.4	19.5	21.7	23.8	23.8	24.9
135°	5.4	7.6	9.7	11.9	14.1	14.1	16.2	17.3	18.4	18.4
137.5°	4.3	5.4	6.5	8.7	9.7	10.8	10.8	13.0	13.0	13.0
140°	3.2	4.3	4.3	5.4	6.5	7.6	7.6	8.7	8.7	8.7
142.5°	2.2	3.2	3.2	4.3	4.3	5.4	5.4	5.4	6.5	6.5
145°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3
147.5°	1.1	1.1	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2
150°	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
152.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
157.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
165°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
170°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
175°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
177.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.0
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2



TEST NUMBER: P893666  
 CATALOG NUMBER: 4MB-5SL-RND-UNV-L835

**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	18.23	19.77	18.71	20.23	20.72	19.81	21.34	20.28	21.80	22.29
	3H	19.91	21.31	20.39	21.78	22.31	22.43	23.83	22.91	24.30	24.83
	4H	20.51	21.84	21.01	22.32	22.87	23.74	25.07	24.25	25.56	26.10
	6H	20.91	22.15	21.42	22.65	23.20	25.15	26.39	25.66	26.89	27.44
	8H	21.02	22.21	21.55	22.73	23.30	25.90	27.08	26.43	27.61	28.17
	12H	21.10	22.24	21.64	22.76	23.35	26.75	27.89	27.28	28.40	29.00
4H	2H	19.16	20.49	19.67	20.98	21.52	20.36	21.69	20.86	22.17	22.71
	3H	21.14	22.28	21.66	22.81	23.37	23.27	24.41	23.79	24.94	25.50
	4H	21.92	22.96	22.45	23.50	24.09	24.80	25.84	25.33	26.38	26.97
	6H	22.50	23.42	23.05	23.98	24.59	26.44	27.36	27.00	27.93	28.53
	8H	22.68	23.55	23.24	24.11	24.73	27.32	28.19	27.88	28.75	29.38
	12H	22.80	23.59	23.39	24.18	24.81	28.33	29.11	28.91	29.71	30.33
8H	4H	22.80	23.66	23.36	24.23	24.85	25.16	26.03	25.72	26.59	27.21
	6H	23.68	24.41	24.27	25.02	25.65	27.06	27.80	27.65	28.40	29.03
	8H	24.03	24.69	24.63	25.31	25.95	28.14	28.81	28.75	29.43	30.07
	12H	24.30	24.89	24.91	25.50	26.20	29.41	30.00	30.02	30.61	31.31
12H	4H	23.07	23.86	23.66	24.45	25.08	25.20	25.99	25.78	26.58	27.21
	6H	24.13	24.79	24.73	25.41	26.05	27.17	27.84	27.78	28.45	29.09
	8H	24.65	25.24	25.25	25.85	26.55	28.37	28.96	28.97	29.57	30.27