

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: P894196

Luminaire Tested: 4MB-SC3-FLT-UNV-CC83-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894196
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-SC3-FLT-UNV-CC83-MID-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

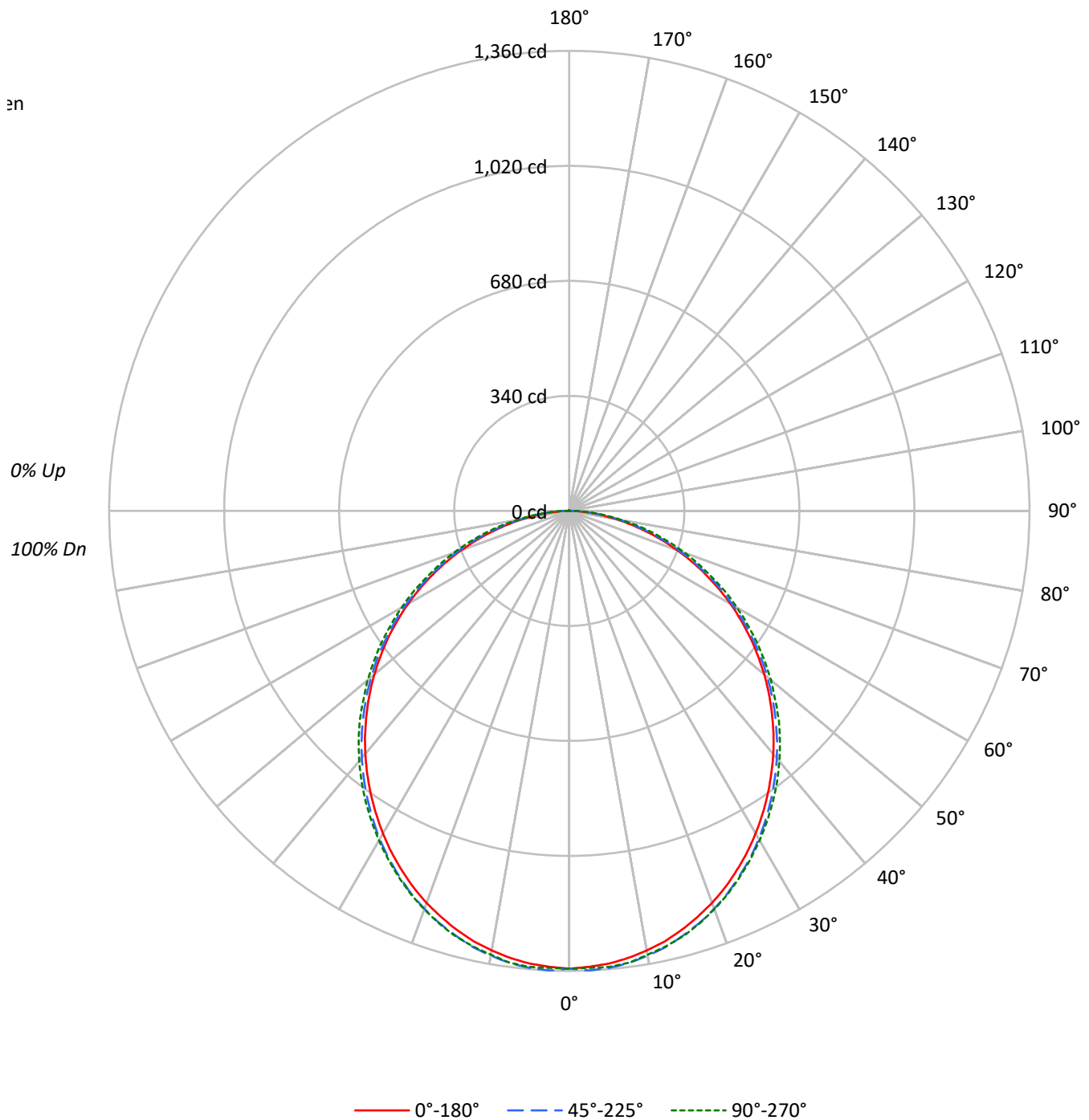
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3756.0 lumens
Efficiency: N/A
Efficacy: 112.1 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): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P894196
CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-4000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9627	9627	9627
5°	9593	9685	9664
10°	9532	9646	9626
15°	9448	9573	9587
20°	9337	9480	9487
25°	9199	9347	9370
30°	9050	9204	9244
35°	8879	9033	9111
40°	8712	8860	8970
45°	8522	8661	8810
50°	8322	8453	8607
55°	8098	8221	8392
60°	7836	7963	8147
65°	7487	7638	7837
70°	7048	7254	7583
75°	6479	6752	7189
80°	5724	6171	6494
85°	4931	5657	6066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8810 cd/sqm



TEST NUMBER: P894196
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	3.4
10°-20°	364.7	9.7
20°-30°	546.5	14.5
30°-40°	650.3	17.3
40°-50°	667.2	17.8
50°-60°	597.7	15.9
60°-70°	454.2	12.1
70°-80°	264.0	7.0
80°-90°	79.2	2.1
90°-100°	1.9	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°	1039.1	27.7
0°-40°	1689.4	45.0
0°-60°	2954.4	78.7
0°-90°	3751.7	99.9
90°-120°	2.2	0.1
90°-150°	3.4	0.1
90°-180°	4.0	0.1
0°-180°	3756.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1353	1353	1353	1353	1353	
5°	1343	1366	1356	1349	1353	127
15°	1283	1308	1300	1298	1302	362
25°	1172	1198	1191	1189	1194	540
35°	1022	1047	1040	1043	1049	640
45°	847	868	861	868	876	654
55°	653	669	663	671	676	583
65°	445	456	454	462	466	440
75°	236	245	246	255	262	250
85°	60	65	69	74	74	66
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	



TEST NUMBER: P894196
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1
2.5°	1349.1	1347.1	1349.1	1348.1	1358.0	1369.9	1367.9	1359.0	1349.1	1352.1	1360.0
5°	1343.1	1342.2	1345.1	1343.1	1353.1	1365.9	1362.0	1354.0	1345.1	1348.1	1356.0
7.5°	1333.2	1333.2	1337.2	1335.2	1344.1	1357.0	1353.1	1346.1	1337.2	1340.2	1348.1
10°	1319.4	1320.4	1325.3	1322.3	1330.3	1344.1	1340.2	1333.2	1325.3	1327.3	1335.2
12.5°	1303.5	1303.5	1309.5	1306.5	1314.4	1327.3	1322.3	1317.4	1309.5	1311.5	1320.4
15°	1282.7	1283.7	1290.7	1287.7	1294.6	1307.5	1302.5	1298.6	1291.6	1292.6	1299.6
17.5°	1259.0	1261.9	1268.9	1265.9	1272.8	1285.7	1279.8	1275.8	1269.9	1270.8	1277.8
20°	1233.2	1236.2	1243.1	1241.1	1246.1	1259.0	1253.0	1251.0	1245.1	1246.1	1252.0
22.5°	1204.5	1207.4	1215.4	1213.4	1218.3	1231.2	1224.3	1223.3	1217.4	1218.3	1223.3
25°	1171.8	1175.8	1184.7	1182.7	1186.6	1198.5	1192.6	1190.6	1186.6	1186.6	1190.6
27.5°	1138.1	1142.1	1152.0	1149.0	1152.0	1164.9	1157.9	1156.9	1153.0	1153.0	1156.9
30°	1101.5	1105.4	1116.3	1113.3	1116.3	1127.2	1120.3	1121.3	1117.3	1117.3	1120.3
32.5°	1062.8	1065.8	1077.7	1075.7	1077.7	1088.6	1081.7	1082.6	1078.7	1079.7	1080.7
35°	1022.2	1025.2	1038.1	1036.1	1037.1	1047.0	1042.0	1042.0	1039.1	1038.1	1040.0
37.5°	980.6	983.6	999.4	994.5	994.5	1004.4	1000.4	1000.4	997.5	996.5	997.5
40°	938.0	940.0	956.8	951.9	950.9	959.8	956.8	956.8	954.9	952.9	953.9
42.5°	893.5	896.4	913.3	909.3	905.3	915.2	912.3	913.3	910.3	908.3	908.3
45°	846.9	849.9	866.7	864.7	858.8	867.7	864.7	866.7	862.7	860.8	860.8
47.5°	800.3	804.3	820.2	817.2	811.2	820.2	817.2	819.2	815.2	813.2	813.2
50°	751.8	755.8	772.6	767.7	761.7	770.6	768.6	769.6	766.7	764.7	763.7
52.5°	702.3	707.2	723.1	717.1	712.2	720.1	719.1	720.1	716.1	715.2	714.2
55°	652.8	657.7	672.6	665.6	661.7	668.6	666.6	668.6	664.6	663.7	662.7
57.5°	601.2	606.2	620.1	613.1	610.2	616.1	615.1	616.1	613.1	612.1	611.2
60°	550.7	554.7	567.6	560.6	557.7	563.6	561.6	564.6	560.6	560.6	559.6
62.5°	497.2	502.2	515.1	507.1	505.2	510.1	508.1	511.1	509.1	507.1	506.2
65°	444.7	447.7	459.6	452.7	449.7	455.6	454.7	456.6	453.7	454.7	453.7
67.5°	392.2	394.2	406.1	398.2	396.2	402.2	403.1	402.2	400.2	401.2	400.2
70°	338.8	340.7	350.6	343.7	342.7	347.7	349.7	348.7	346.7	347.7	348.7
72.5°	287.3	288.2	297.2	291.2	290.2	296.2	296.2	296.2	296.2	296.2	298.1
75°	235.7	236.7	244.7	239.7	238.7	244.7	244.7	244.7	244.7	246.6	245.6
77.5°	186.2	185.2	193.2	190.2	188.2	194.1	194.1	195.1	197.1	199.1	196.1
80°	139.7	138.7	144.6	140.7	140.7	146.6	145.6	146.6	148.6	149.6	150.6
82.5°	98.1	96.1	101.0	100.0	99.1	104.0	105.0	104.0	107.0	108.0	108.0
85°	60.4	60.4	63.4	61.4	61.4	65.4	65.4	66.4	68.3	69.3	69.3
87.5°	28.7	27.7	30.7	29.7	28.7	31.7	31.7	32.7	33.7	34.7	33.7
90°	1.0	1.0	2.0	2.0	2.0	4.0	4.0	4.0	5.0	5.0	4.0
92.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
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: P894196
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-4000K

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°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	2.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1
2.5°	1348.1	1341.2	1338.2	1340.2	1354.0	1340.2	1355.0	1360.0	1342.2	1352.1
5°	1344.1	1337.2	1333.2	1335.2	1349.1	1336.2	1352.1	1358.0	1343.1	1353.1
7.5°	1336.2	1328.3	1326.3	1329.3	1341.2	1330.3	1346.1	1352.1	1337.2	1347.1
10°	1324.3	1317.4	1315.4	1318.4	1329.3	1318.4	1332.3	1337.2	1323.3	1332.3
12.5°	1309.5	1302.5	1300.6	1304.5	1314.4	1304.5	1318.4	1323.3	1309.5	1318.4
15°	1290.7	1283.7	1282.7	1288.7	1297.6	1288.7	1302.5	1306.5	1292.6	1301.5
17.5°	1267.9	1260.9	1261.9	1268.9	1275.8	1267.9	1280.7	1284.7	1271.8	1278.8
20°	1243.1	1235.2	1237.2	1243.1	1249.1	1241.1	1254.0	1258.0	1246.1	1253.0
22.5°	1214.4	1206.5	1208.4	1215.4	1219.3	1212.4	1224.3	1228.2	1218.3	1225.3
25°	1182.7	1175.8	1178.7	1185.7	1188.6	1182.7	1193.6	1196.6	1187.6	1193.6
27.5°	1151.0	1143.1	1147.0	1154.0	1155.9	1150.0	1160.9	1162.9	1154.0	1159.9
30°	1115.3	1107.4	1112.4	1120.3	1120.3	1116.3	1125.2	1127.2	1120.3	1125.2
32.5°	1075.7	1069.8	1075.7	1082.6	1081.7	1078.7	1087.6	1089.6	1083.6	1087.6
35°	1036.1	1031.1	1037.1	1044.0	1043.0	1040.0	1049.0	1050.0	1045.0	1049.0
37.5°	995.5	991.5	997.5	1003.4	1001.4	999.4	1007.4	1007.4	1004.4	1008.4
40°	953.9	949.9	954.9	961.8	957.8	957.8	962.8	964.8	961.8	965.8
42.5°	910.3	906.3	912.3	918.2	914.3	913.3	919.2	920.2	918.2	921.2
45°	864.7	860.8	866.7	871.7	867.7	867.7	872.7	872.7	871.7	875.6
47.5°	818.2	815.2	820.2	825.1	821.1	824.1	824.1	824.1	826.1	825.1
50°	770.6	767.7	771.6	777.6	772.6	773.6	775.6	775.6	776.6	777.6
52.5°	721.1	717.1	721.1	728.0	721.1	724.1	725.1	726.1	729.0	727.0
55°	671.6	667.6	671.6	677.5	670.6	674.5	674.5	675.5	678.5	676.5
57.5°	620.1	616.1	622.0	626.0	619.1	623.0	623.0	625.0	627.0	624.0
60°	568.6	565.6	567.6	574.5	567.6	571.5	571.5	571.5	575.5	572.5
62.5°	516.1	514.1	516.1	522.0	515.1	519.0	518.0	519.0	523.0	522.0
65°	462.6	460.6	462.6	468.5	461.6	465.5	465.5	466.5	469.5	465.5
67.5°	410.1	407.1	410.1	415.0	409.1	412.1	412.1	412.1	417.0	415.0
70°	356.6	354.6	356.6	361.5	356.6	358.6	358.6	358.6	363.5	364.5
72.5°	304.1	304.1	306.1	310.0	306.1	310.0	307.1	305.1	312.0	313.0
75°	252.6	253.6	254.6	258.5	254.6	258.5	256.5	254.6	260.5	261.5
77.5°	205.0	205.0	206.0	209.0	206.0	209.0	207.0	207.0	211.0	210.0
80°	156.5	156.5	157.5	160.5	157.5	160.5	158.5	158.5	162.4	158.5
82.5°	113.9	113.9	113.9	116.9	114.9	116.9	115.9	113.9	118.9	114.9
85°	73.3	74.3	74.3	75.3	74.3	75.3	75.3	74.3	77.3	74.3
87.5°	37.6	37.6	37.6	38.6	37.6	37.6	38.6	37.6	39.6	38.6
90°	6.9	5.9	5.9	7.9	6.9	6.9	7.9	5.9	6.9	5.9
92.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0
95°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
97.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
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: P894196
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-4000K

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: P894196
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-4000K

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	19.37	21.01	19.74	21.33	21.64	19.51	21.15	19.88	21.46	21.78
	3H	21.20	22.68	21.58	23.01	23.37	21.34	22.82	21.72	23.15	23.52
	4H	21.86	23.25	22.26	23.60	23.98	22.05	23.45	22.45	23.80	24.17
	6H	22.31	23.61	22.72	23.97	24.37	22.61	23.90	23.02	24.27	24.66
	8H	22.45	23.69	22.88	24.08	24.48	22.80	24.04	23.23	24.43	24.83
	12H	22.55	23.73	22.98	24.12	24.55	22.94	24.13	23.38	24.51	24.95
4H	2H	20.01	21.40	20.41	21.75	22.13	20.12	21.51	20.52	21.86	22.24
	3H	22.05	23.22	22.46	23.62	24.02	22.18	23.36	22.60	23.76	24.16
	4H	22.84	23.90	23.28	24.32	24.76	23.03	24.09	23.46	24.50	24.94
	6H	23.42	24.35	23.87	24.79	25.25	23.72	24.65	24.18	25.09	25.55
	8H	23.61	24.48	24.07	24.92	25.39	23.97	24.84	24.43	25.28	25.75
	12H	23.75	24.53	24.23	25.01	25.48	24.16	24.94	24.64	25.42	25.89
8H	4H	23.17	24.04	23.63	24.49	24.95	23.34	24.21	23.80	24.65	25.12
	6H	23.87	24.60	24.37	25.09	25.57	24.16	24.89	24.66	25.38	25.85
	8H	24.14	24.79	24.65	25.30	25.78	24.49	25.14	25.00	25.65	26.14
	12H	24.35	24.93	24.86	25.42	25.98	24.78	25.35	25.29	25.84	26.41
12H	4H	23.22	24.00	23.70	24.47	24.95	23.37	24.15	23.85	24.63	25.10
	6H	23.95	24.60	24.46	25.10	25.59	24.22	24.87	24.73	25.38	25.87
	8H	24.27	24.85	24.78	25.34	25.90	24.61	25.19	25.12	25.68	26.24