

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: P894197

Luminaire Tested: 4MB-SC3-FLT-UNV-CC83-MID-5000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894197
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-5000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 5000K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

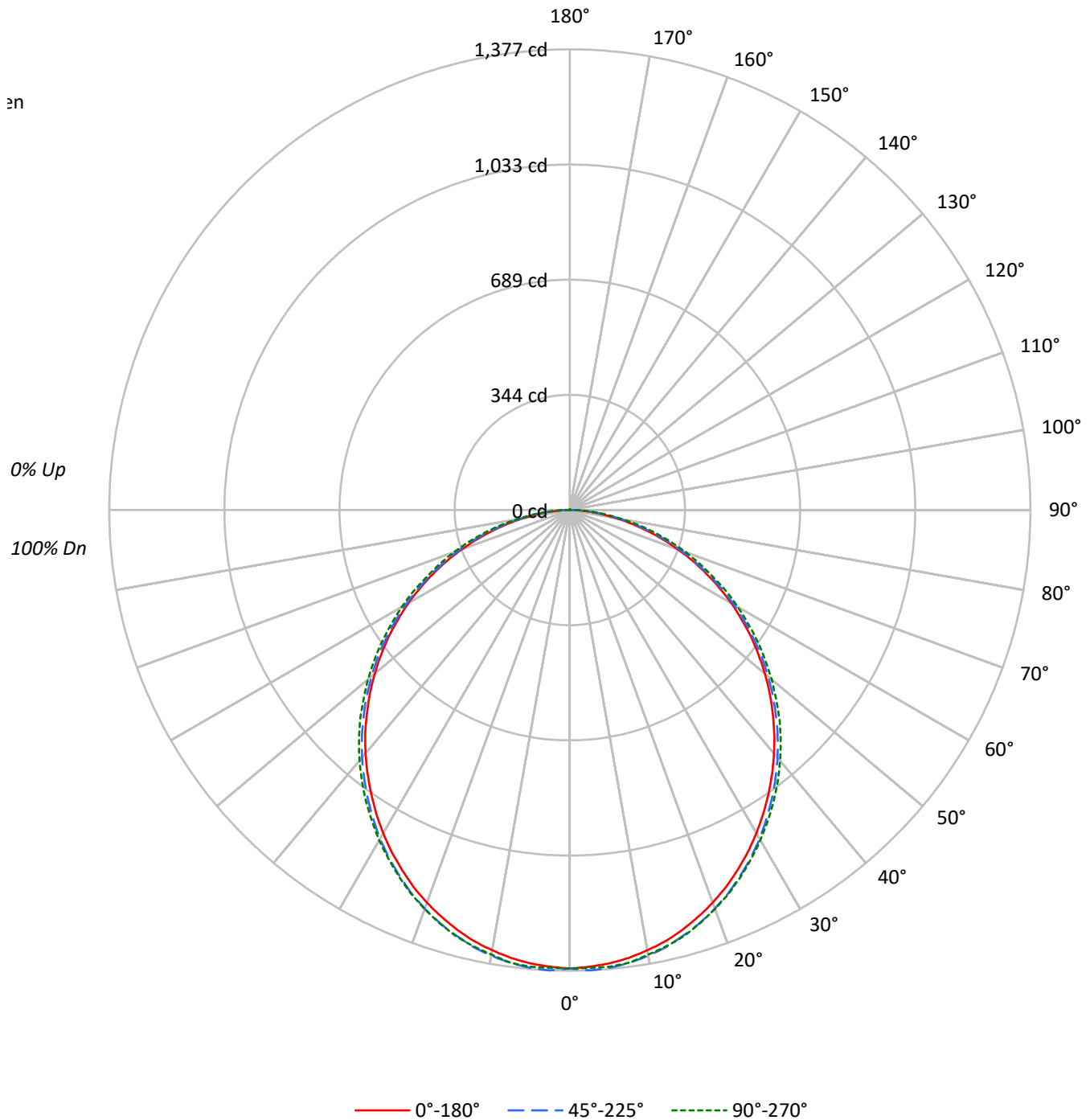
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3804.0 lumens
Efficiency: N/A
Efficacy: 113.6 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

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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	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°	9750	9750	9750
5°	9716	9809	9787
10°	9654	9770	9748
15°	9569	9695	9710
20°	9457	9601	9608
25°	9317	9466	9490
30°	9165	9322	9363
35°	8992	9149	9228
40°	8824	8973	9085
45°	8630	8772	8923
50°	8428	8562	8717
55°	8201	8325	8500
60°	7937	8066	8251
65°	7583	7736	7938
70°	7137	7345	7680
75°	6565	6840	7279
80°	5794	6248	6576
85°	4996	5731	6139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 8923 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	3.4
10°-20°	369.3	9.7
20°-30°	553.5	14.5
30°-40°	658.6	17.3
40°-50°	675.8	17.8
50°-60°	605.4	15.9
60°-70°	460.0	12.1
70°-80°	267.4	7.0
80°-90°	80.2	2.1
90°-100°	1.9	0.0
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°	1052.4	27.7
0°-40°	1711.0	45.0
0°-60°	2992.1	78.7
0°-90°	3799.7	99.9
90°-120°	2.3	0.1
90°-150°	3.4	0.1
90°-180°	4.0	0.1
0°-180°	3804.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1370	1370	1370	1370	1370	
5°	1360	1383	1373	1366	1370	129
15°	1299	1324	1316	1314	1318	366
25°	1187	1214	1206	1204	1209	547
35°	1035	1060	1053	1056	1062	648
45°	858	879	872	879	887	662
55°	661	677	671	679	685	591
65°	450	462	460	468	472	446
75°	239	248	249	258	265	253
85°	61	66	70	75	75	67
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°	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3
2.5°	1366.3	1364.3	1366.3	1365.3	1375.4	1387.4	1385.4	1376.4	1366.3	1369.3	1377.4
5°	1360.3	1359.3	1362.3	1360.3	1370.3	1383.4	1379.4	1371.3	1362.3	1365.3	1373.4
7.5°	1350.3	1350.3	1354.3	1352.3	1361.3	1374.4	1370.3	1363.3	1354.3	1357.3	1365.3
10°	1336.2	1337.2	1342.3	1339.2	1347.3	1361.3	1357.3	1350.3	1342.3	1344.3	1352.3
12.5°	1320.2	1320.2	1326.2	1323.2	1331.2	1344.3	1339.2	1334.2	1326.2	1328.2	1337.2
15°	1299.1	1300.1	1307.1	1304.1	1311.2	1324.2	1319.2	1315.2	1308.1	1309.2	1316.2
17.5°	1275.0	1278.1	1285.1	1282.1	1289.1	1302.1	1296.1	1292.1	1286.1	1287.1	1294.1
20°	1249.0	1252.0	1259.0	1257.0	1262.0	1275.0	1269.0	1267.0	1261.0	1262.0	1268.0
22.5°	1219.9	1222.9	1230.9	1228.9	1233.9	1247.0	1239.9	1238.9	1232.9	1233.9	1238.9
25°	1186.8	1190.8	1199.8	1197.8	1201.8	1213.9	1207.8	1205.8	1201.8	1201.8	1205.8
27.5°	1152.7	1156.7	1166.7	1163.7	1166.7	1179.7	1172.7	1171.7	1167.7	1167.7	1171.7
30°	1115.5	1119.6	1130.6	1127.6	1130.6	1141.6	1134.6	1135.6	1131.6	1131.6	1134.6
32.5°	1076.4	1079.4	1091.5	1089.5	1091.5	1102.5	1095.5	1096.5	1092.5	1093.5	1094.5
35°	1035.3	1038.3	1051.3	1049.3	1050.3	1060.4	1055.3	1055.3	1052.3	1051.3	1053.3
37.5°	993.2	996.2	1012.2	1007.2	1007.2	1017.2	1013.2	1013.2	1010.2	1009.2	1010.2
40°	950.0	952.0	969.1	964.1	963.1	972.1	969.1	969.1	967.1	965.1	966.1
42.5°	904.9	907.9	924.9	920.9	916.9	926.9	923.9	924.9	921.9	919.9	919.9
45°	857.7	860.7	877.8	875.8	869.8	878.8	875.8	877.8	873.8	871.8	871.8
47.5°	810.6	814.6	830.6	827.6	821.6	830.6	827.6	829.6	825.6	823.6	823.6
50°	761.4	765.4	782.5	777.5	771.4	780.5	778.5	779.5	776.5	774.5	773.5
52.5°	711.3	716.3	732.3	726.3	721.3	729.3	728.3	729.3	725.3	724.3	723.3
55°	661.1	666.1	681.2	674.1	670.1	677.1	675.1	677.1	673.1	672.1	671.1
57.5°	608.9	613.9	628.0	621.0	618.0	624.0	623.0	624.0	621.0	620.0	619.0
60°	557.8	561.8	574.8	567.8	564.8	570.8	568.8	571.8	567.8	567.8	566.8
62.5°	503.6	508.6	521.7	513.6	511.6	516.6	514.6	517.6	515.6	513.6	512.6
65°	450.4	453.4	465.5	458.5	455.4	461.5	460.5	462.5	459.5	460.5	459.5
67.5°	397.3	399.3	411.3	403.3	401.3	407.3	408.3	407.3	405.3	406.3	405.3
70°	343.1	345.1	355.1	348.1	347.1	352.1	354.1	353.1	351.1	352.1	353.1
72.5°	290.9	291.9	301.0	294.9	293.9	300.0	300.0	300.0	300.0	300.0	302.0
75°	238.8	239.8	247.8	242.8	241.8	247.8	247.8	247.8	247.8	249.8	248.8
77.5°	188.6	187.6	195.6	192.6	190.6	196.6	196.6	197.6	199.6	201.6	198.6
80°	141.4	140.4	146.5	142.5	142.5	148.5	147.5	148.5	150.5	151.5	152.5
82.5°	99.3	97.3	102.3	101.3	100.3	105.3	106.3	105.3	108.3	109.3	109.3
85°	61.2	61.2	64.2	62.2	62.2	66.2	66.2	67.2	69.2	70.2	70.2
87.5°	29.1	28.1	31.1	30.1	29.1	32.1	32.1	33.1	34.1	35.1	34.1
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



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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	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°	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3	1370.3
2.5°	1365.3	1358.3	1355.3	1357.3	1371.3	1357.3	1372.4	1377.4	1359.3	1369.3
5°	1361.3	1354.3	1350.3	1352.3	1366.3	1353.3	1369.3	1375.4	1360.3	1370.3
7.5°	1353.3	1345.3	1343.3	1346.3	1358.3	1347.3	1363.3	1369.3	1354.3	1364.3
10°	1341.3	1334.2	1332.2	1335.2	1346.3	1335.2	1349.3	1354.3	1340.3	1349.3
12.5°	1326.2	1319.2	1317.2	1321.2	1331.2	1321.2	1335.2	1340.3	1326.2	1335.2
15°	1307.1	1300.1	1299.1	1305.1	1314.2	1305.1	1319.2	1323.2	1309.2	1318.2
17.5°	1284.1	1277.1	1278.1	1285.1	1292.1	1284.1	1297.1	1301.1	1288.1	1295.1
20°	1259.0	1251.0	1253.0	1259.0	1265.0	1257.0	1270.0	1274.0	1262.0	1269.0
22.5°	1229.9	1221.9	1223.9	1230.9	1234.9	1227.9	1239.9	1243.9	1233.9	1240.9
25°	1197.8	1190.8	1193.8	1200.8	1203.8	1197.8	1208.8	1211.8	1202.8	1208.8
27.5°	1165.7	1157.7	1161.7	1168.7	1170.7	1164.7	1175.7	1177.7	1168.7	1174.7
30°	1129.6	1121.6	1126.6	1134.6	1134.6	1130.6	1139.6	1141.6	1134.6	1139.6
32.5°	1089.5	1083.4	1089.5	1096.5	1095.5	1092.5	1101.5	1103.5	1097.5	1101.5
35°	1049.3	1044.3	1050.3	1057.4	1056.4	1053.3	1062.4	1063.4	1058.4	1062.4
37.5°	1008.2	1004.2	1010.2	1016.2	1014.2	1012.2	1020.2	1020.2	1017.2	1021.2
40°	966.1	962.1	967.1	974.1	970.1	970.1	975.1	977.1	974.1	978.1
42.5°	921.9	917.9	923.9	929.9	925.9	924.9	931.0	932.0	929.9	933.0
45°	875.8	871.8	877.8	882.8	878.8	878.8	883.8	883.8	882.8	886.8
47.5°	828.6	825.6	830.6	835.7	831.6	834.6	834.6	834.6	836.7	835.7
50°	780.5	777.5	781.5	787.5	782.5	783.5	785.5	785.5	786.5	787.5
52.5°	730.3	726.3	730.3	737.3	730.3	733.3	734.3	735.3	738.3	736.3
55°	680.2	676.1	680.2	686.2	679.2	683.2	683.2	684.2	687.2	685.2
57.5°	628.0	624.0	630.0	634.0	627.0	631.0	631.0	633.0	635.0	632.0
60°	575.8	572.8	574.8	581.8	574.8	578.8	578.8	578.8	582.8	579.8
62.5°	522.7	520.7	522.7	528.7	521.7	525.7	524.7	525.7	529.7	528.7
65°	468.5	466.5	468.5	474.5	467.5	471.5	471.5	472.5	475.5	471.5
67.5°	415.3	412.3	415.3	420.3	414.3	417.3	417.3	417.3	422.3	420.3
70°	361.1	359.1	361.1	366.2	361.1	363.2	363.2	363.2	368.2	369.2
72.5°	308.0	308.0	310.0	314.0	310.0	314.0	311.0	309.0	316.0	317.0
75°	255.8	256.8	257.8	261.8	257.8	261.8	259.8	257.8	263.8	264.8
77.5°	207.7	207.7	208.7	211.7	208.7	211.7	209.7	209.7	213.7	212.7
80°	158.5	158.5	159.5	162.5	159.5	162.5	160.5	160.5	164.5	160.5
82.5°	115.4	115.4	115.4	118.4	116.4	118.4	117.4	115.4	120.4	116.4
85°	74.2	75.2	75.2	76.2	75.2	76.2	76.2	75.2	78.2	75.2
87.5°	38.1	38.1	38.1	39.1	38.1	38.1	39.1	38.1	40.1	39.1
90°	7.0	6.0	6.0	8.0	7.0	7.0	8.0	6.0	7.0	6.0
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: P894197
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-5000K

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: P894197
 CATALOG NUMBER: 4MB-SC3-FLT-UNV-CC83-MID-5000K

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	19.42	21.06	19.79	21.37	21.69	19.55	21.19	19.92	21.51	21.82
	3H	21.24	22.72	21.62	23.05	23.41	21.39	22.87	21.77	23.20	23.56
	4H	21.90	23.30	22.30	23.65	24.03	22.09	23.49	22.49	23.84	24.22
	6H	22.36	23.65	22.77	24.02	24.41	22.65	23.95	23.06	24.31	24.71
	8H	22.49	23.73	22.92	24.12	24.52	22.85	24.08	23.27	24.47	24.88
	12H	22.59	23.78	23.02	24.16	24.59	22.99	24.17	23.42	24.56	24.99
4H	2H	20.05	21.45	20.45	21.80	22.18	20.16	21.56	20.56	21.91	22.28
	3H	22.09	23.27	22.50	23.67	24.07	22.23	23.40	22.64	23.80	24.20
	4H	22.89	23.95	23.32	24.36	24.80	23.07	24.13	23.51	24.55	24.99
	6H	23.46	24.39	23.92	24.83	25.29	23.76	24.69	24.22	25.14	25.59
	8H	23.65	24.52	24.11	24.97	25.43	24.01	24.88	24.47	25.32	25.79
	12H	23.80	24.58	24.28	25.05	25.53	24.20	24.99	24.68	25.46	25.93
8H	4H	23.22	24.09	23.68	24.53	25.00	23.38	24.25	23.84	24.70	25.16
	6H	23.92	24.64	24.41	25.13	25.61	24.21	24.93	24.70	25.42	25.90
	8H	24.18	24.83	24.69	25.34	25.83	24.54	25.19	25.05	25.70	26.18
	12H	24.40	24.97	24.91	25.47	26.03	24.82	25.40	25.33	25.89	26.45
12H	4H	23.26	24.04	23.74	24.52	24.99	23.41	24.20	23.90	24.67	25.14
	6H	23.99	24.64	24.50	25.15	25.64	24.26	24.92	24.77	25.42	25.91
	8H	24.32	24.89	24.82	25.38	25.95	24.66	25.23	25.17	25.73	26.29