

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: P894303

Luminaire Tested: 4MB-SC3-RND-UNV-CC83-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894303
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-SC3-RND-UNV-CC83-MID-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 3500K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

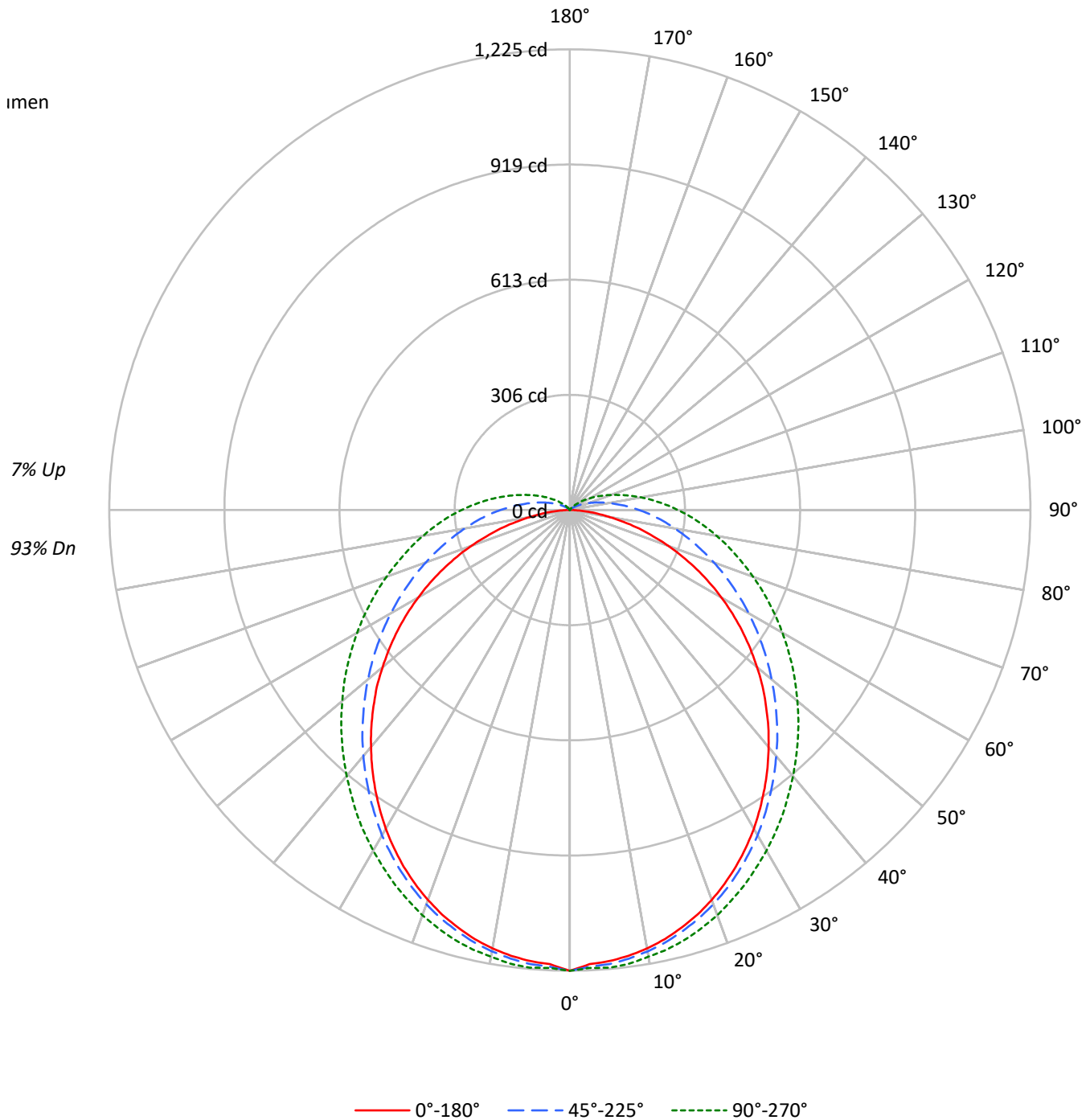
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4056.0 lumens
Efficiency: N/A
Efficacy: 121.1 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): 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	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°	8717	8717	8717
5°	8600	8655	8723
10°	8554	8610	8713
15°	8467	8538	8714
20°	8355	8449	8682
25°	8211	8332	8632
30°	8042	8207	8593
35°	7844	8060	8577
40°	7640	7934	8575
45°	7428	7823	8633
50°	7195	7757	8744
55°	6933	7742	8955
60°	6630	7817	9291
65°	6263	8022	9845
70°	5804	8475	10790
75°	5245	9435	12519
80°	4437	11628	16262
85°	3600	18939	27862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 51300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	2.9
10°-20°	330.1	8.1
20°-30°	494.3	12.2
30°-40°	589.4	14.5
40°-50°	611.3	15.1
50°-60°	567.1	14.0
60°-70°	473.1	11.7
70°-80°	352.7	8.7
80°-90°	234.9	5.8
90°-100°	143.0	3.5
100°-110°	79.8	2.0
110°-120°	39.9	1.0
120°-130°	16.7	0.4
130°-140°	5.3	0.1
140°-150°	1.3	0.0
150°-160°	0.6	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	940.3	23.2
0°-40°	1529.8	37.7
0°-60°	2708.2	66.8
0°-90°	3769.0	92.9
90°-120°	262.7	6.5
90°-150°	286.0	7.1
90°-180°	287.0	7.1
0°-180°	4056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1204	1232	1212	1218	1221	114
15°	1150	1179	1159	1180	1183	324
25°	1046	1074	1061	1091	1100	482
35°	903	927	928	974	988	565
45°	738	757	778	839	858	570
55°	559	578	624	697	722	500
65°	372	402	476	557	585	368
75°	191	244	343	427	455	202
85°	44	121	232	312	341	50
90°	2	80	184	260	288	3
95°	0	49	142	213	238	0
105°	0	15	78	131	152	0
115°	1	4	36	74	88	1
125°	1	1	14	36	44	1
135°	1	1	4	12	16	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2
2.5°	1208.9	1210.8	1228.1	1227.1	1224.3	1235.8	1238.6	1229.0	1213.7	1229.0	1215.6
5°	1204.1	1206.0	1223.3	1222.3	1219.5	1231.9	1232.9	1224.3	1208.9	1224.3	1211.8
7.5°	1195.5	1197.4	1214.7	1213.7	1211.8	1224.3	1223.3	1216.6	1200.3	1216.6	1203.2
10°	1184.0	1184.9	1203.2	1201.2	1200.3	1212.7	1209.9	1204.1	1187.8	1204.1	1191.7
12.5°	1168.6	1169.6	1187.8	1185.9	1185.9	1197.4	1193.6	1188.8	1172.5	1187.8	1177.3
15°	1149.5	1150.4	1167.7	1166.7	1166.7	1179.2	1173.4	1169.6	1154.3	1170.6	1159.1
17.5°	1128.4	1127.4	1145.6	1143.7	1145.6	1157.1	1149.5	1147.6	1133.2	1148.5	1138.9
20°	1103.5	1103.5	1119.8	1118.8	1121.7	1132.2	1122.6	1123.6	1109.2	1125.5	1115.9
22.5°	1075.7	1074.7	1091.0	1091.0	1093.9	1104.4	1093.9	1096.7	1082.4	1097.7	1090.0
25°	1045.9	1044.0	1060.3	1060.3	1065.1	1073.7	1062.2	1066.1	1052.6	1068.0	1061.3
27.5°	1013.3	1010.5	1026.8	1027.7	1031.6	1040.2	1027.7	1033.5	1021.0	1035.4	1030.6
30°	978.8	976.0	992.2	993.2	998.0	1004.7	992.2	999.9	988.4	1002.8	999.0
32.5°	941.4	939.5	954.9	956.8	961.6	966.4	954.9	962.5	952.9	967.3	963.5
35°	903.1	901.2	915.6	918.4	923.2	927.1	914.6	925.1	916.5	929.9	928.0
37.5°	863.8	860.9	876.2	878.2	883.9	885.8	874.3	886.8	879.1	892.5	891.6
40°	822.6	819.7	835.0	836.9	842.7	842.7	833.1	846.5	840.8	853.2	854.2
42.5°	781.3	778.5	791.9	795.7	800.5	800.5	790.9	805.3	801.5	813.9	816.8
45°	738.2	735.3	747.8	751.6	757.4	757.4	747.8	764.1	761.2	773.7	777.5
47.5°	696.0	692.2	703.7	707.5	713.3	712.3	704.6	720.9	720.0	732.4	739.2
50°	650.0	647.1	658.6	662.5	669.2	667.3	661.5	678.8	678.8	691.2	700.8
52.5°	604.9	602.1	613.6	617.4	623.2	623.2	617.4	635.6	638.5	651.0	662.5
55°	558.9	555.1	566.6	570.4	577.1	578.1	573.3	591.5	597.3	611.6	624.1
57.5°	512.9	511.0	520.6	524.4	533.0	533.0	530.2	549.3	557.0	572.3	586.7
60°	465.9	464.0	472.6	477.4	487.0	488.9	487.0	507.1	517.7	533.0	549.3
62.5°	418.9	417.0	425.7	432.4	442.9	444.8	445.8	466.9	478.4	494.7	512.9
65°	372.0	370.1	378.7	386.4	398.8	401.7	404.6	426.6	440.0	457.3	476.5
67.5°	325.0	324.0	332.7	342.3	355.7	359.5	364.3	387.3	402.7	420.9	442.0
70°	279.0	278.0	286.6	298.2	314.5	319.2	325.0	348.0	367.2	386.4	407.4
72.5°	233.0	233.9	243.5	256.9	275.1	279.9	287.6	311.6	332.7	352.8	374.8
75°	190.8	190.8	201.3	216.7	236.8	243.5	252.1	277.1	299.1	320.2	343.2
77.5°	147.6	147.6	160.1	179.3	201.3	208.0	218.6	244.5	268.4	289.5	312.5
80°	108.3	110.2	124.6	143.8	166.8	175.4	187.9	213.8	239.7	260.8	283.8
82.5°	73.8	76.7	92.0	114.1	137.1	145.7	158.2	186.0	211.9	233.9	257.9
85°	44.1	48.9	65.2	87.2	111.2	120.8	134.2	160.1	186.0	208.0	232.0
87.5°	20.1	26.8	44.1	66.1	89.2	99.7	111.2	136.1	162.0	184.1	209.0
90°	1.9	11.5	28.8	47.9	70.0	79.6	91.1	115.0	140.0	160.1	184.1
92.5°	0.0	4.8	17.3	34.5	53.7	63.3	73.8	96.8	118.9	139.0	162.0
95°	0.0	1.9	9.6	24.0	40.3	48.9	58.5	79.6	101.6	120.8	141.9
97.5°	0.0	1.0	5.8	16.3	29.7	37.4	46.0	65.2	85.3	103.5	122.7
100°	0.0	1.0	2.9	10.5	22.0	27.8	36.4	52.7	70.9	87.2	106.4
102.5°	0.0	0.0	1.9	6.7	16.3	21.1	27.8	42.2	58.5	73.8	91.1
105°	0.0	0.0	1.0	4.8	11.5	15.3	21.1	33.6	47.9	61.4	77.7
107.5°	0.0	0.0	1.0	2.9	7.7	11.5	16.3	25.9	38.3	50.8	65.2
110°	1.0	1.0	1.0	1.9	5.8	8.6	11.5	20.1	31.6	42.2	54.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	1.0	1.0	1.0	1.0	3.8	5.8	8.6	15.3	24.9	33.6	45.1
115°	1.0	1.0	1.0	1.0	2.9	3.8	5.8	11.5	19.2	26.8	36.4
117.5°	1.0	1.0	1.0	1.0	1.9	2.9	3.8	8.6	14.4	21.1	29.7
120°	1.0	1.0	1.0	1.0	1.0	1.9	2.9	5.8	11.5	16.3	24.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.9	1.9	4.8	8.6	12.5	18.2
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	5.8	9.6	14.4
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	3.8	6.7	10.5
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	4.8	7.7
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	3.8	5.8
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	2.9	3.8
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	2.9
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9
145°	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0	1.0	1.0
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0	1.0
165°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0	1.0
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0
170°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
172.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.0
175°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2	1225.2
2.5°	1219.5	1222.3	1225.2	1217.5	1222.3	1231.0	1233.8	1222.3	1226.2	1218.5
5°	1215.6	1217.5	1221.4	1211.8	1218.5	1226.2	1231.0	1221.4	1227.1	1221.4
7.5°	1208.0	1209.9	1214.7	1205.1	1213.7	1220.4	1226.2	1216.6	1222.3	1216.6
10°	1196.5	1199.3	1206.0	1194.5	1205.1	1210.8	1216.6	1206.0	1211.8	1206.0
12.5°	1182.1	1186.9	1192.6	1182.1	1192.6	1197.4	1205.1	1194.5	1201.2	1196.5
15°	1164.8	1169.6	1177.3	1166.7	1180.2	1184.0	1191.7	1181.1	1187.8	1183.0
17.5°	1144.7	1150.4	1160.0	1147.6	1162.9	1165.8	1173.4	1163.9	1170.6	1165.8
20°	1121.7	1127.4	1137.0	1125.5	1140.8	1142.8	1151.4	1142.8	1149.5	1146.6
22.5°	1094.8	1101.5	1111.1	1100.6	1116.9	1116.9	1127.4	1118.8	1126.5	1123.6
25°	1067.0	1074.7	1085.2	1073.7	1091.0	1091.0	1102.5	1093.9	1101.5	1099.6
27.5°	1037.3	1045.9	1058.4	1046.9	1064.2	1063.2	1074.7	1067.0	1075.7	1072.8
30°	1005.7	1015.3	1027.7	1018.1	1036.3	1034.4	1045.9	1039.2	1046.9	1045.9
32.5°	971.2	981.7	997.0	986.5	1004.7	1002.8	1017.2	1009.5	1019.1	1017.2
35°	936.6	948.1	963.5	953.9	974.0	971.2	985.5	978.8	988.4	987.5
37.5°	901.2	913.6	929.0	921.3	940.5	937.6	952.9	947.2	957.7	954.9
40°	864.7	877.2	893.5	886.8	906.9	903.1	919.4	914.6	925.1	923.2
42.5°	828.3	841.7	858.0	854.2	873.4	869.5	885.8	882.0	892.5	890.6
45°	790.9	805.3	822.6	818.7	838.9	835.0	851.3	848.4	859.0	858.0
47.5°	753.5	768.9	786.1	784.2	803.4	799.6	816.8	813.9	824.5	824.5
50°	715.2	732.4	749.7	748.7	767.9	764.1	779.4	779.4	790.9	790.0
52.5°	676.8	695.1	713.3	713.3	732.4	728.6	745.9	744.9	756.4	756.4
55°	640.4	656.7	674.9	678.8	697.0	691.2	709.4	711.4	720.9	721.9
57.5°	604.0	621.2	639.4	644.2	661.5	657.7	674.9	676.8	686.4	687.4
60°	567.5	583.8	602.1	608.8	626.0	622.2	639.4	641.4	651.9	652.9
62.5°	531.1	547.4	567.5	574.3	590.6	587.7	605.9	607.8	617.4	619.3
65°	495.6	512.9	532.1	541.7	557.0	553.2	571.4	573.3	583.8	584.8
67.5°	461.1	478.4	497.6	508.1	522.5	520.6	537.8	541.7	550.3	552.2
70°	427.6	444.8	465.0	475.5	489.9	488.9	505.2	508.1	517.7	518.7
72.5°	395.0	412.2	432.4	444.8	457.3	456.3	472.6	476.5	486.1	487.0
75°	363.3	381.6	400.7	414.2	426.6	425.7	442.0	445.8	454.4	455.4
77.5°	333.6	351.8	372.0	385.4	395.9	396.9	411.3	415.1	423.7	426.6
80°	305.8	323.1	342.3	356.6	366.2	368.1	381.6	386.4	393.1	396.9
82.5°	279.0	296.2	315.4	328.8	338.4	340.3	352.8	358.6	365.3	368.1
85°	253.1	270.4	288.6	302.9	311.6	312.5	325.0	330.7	336.5	341.3
87.5°	228.2	245.4	262.7	278.0	285.7	287.6	299.1	304.9	309.7	314.5
90°	203.2	220.5	237.8	252.1	259.8	260.8	273.2	279.0	283.8	287.6
92.5°	180.2	197.5	214.7	229.1	235.8	237.8	248.3	255.0	258.8	262.7
95°	158.2	175.4	190.8	206.1	212.8	215.7	225.3	231.0	235.8	237.8
97.5°	139.0	154.3	168.7	184.1	189.8	192.7	202.3	209.0	212.8	214.7
100°	120.8	135.2	148.6	163.0	168.7	171.6	180.2	186.0	189.8	192.7
102.5°	104.5	117.9	130.4	143.8	149.6	151.5	159.1	164.9	168.7	171.6
105°	90.1	102.6	114.1	126.5	131.3	134.2	140.9	145.7	149.6	151.5
107.5°	76.7	89.2	98.7	110.2	115.0	117.0	123.7	129.4	132.3	133.3
110°	65.2	75.7	85.3	94.9	100.7	102.6	108.3	113.1	116.0	117.0



TEST NUMBER: P894303

CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-MID-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	54.6	64.2	72.9	81.5	86.3	88.2	94.0	98.7	100.7	101.6
115°	45.1	54.6	61.4	70.0	73.8	75.7	80.5	85.3	86.3	88.2
117.5°	36.4	45.1	51.8	58.5	62.3	64.2	68.1	71.9	73.8	74.8
120°	29.7	36.4	42.2	48.9	51.8	53.7	57.5	61.4	62.3	63.3
122.5°	24.0	29.7	34.5	40.3	43.1	45.1	47.9	50.8	51.8	52.7
125°	18.2	24.0	27.8	32.6	35.5	36.4	39.3	42.2	43.1	44.1
127.5°	14.4	18.2	22.0	25.9	27.8	28.8	31.6	33.6	34.5	35.5
130°	10.5	13.4	16.3	20.1	22.0	23.0	24.9	26.8	27.8	27.8
132.5°	7.7	10.5	12.5	15.3	16.3	17.3	19.2	21.1	21.1	22.0
135°	4.8	6.7	8.6	10.5	12.5	12.5	14.4	15.3	16.3	16.3
137.5°	3.8	4.8	5.8	7.7	8.6	9.6	9.6	11.5	11.5	11.5
140°	2.9	3.8	3.8	4.8	5.8	6.7	6.7	7.7	7.7	7.7
142.5°	1.9	2.9	2.9	3.8	3.8	4.8	4.8	4.8	5.8	5.8
145°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	3.8	3.8	3.8
147.5°	1.0	1.0	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9
150°	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9
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	0.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



TEST NUMBER: P894303
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-MID-3500K

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	17.81	19.35	18.28	19.80	20.29	19.38	20.92	19.85	21.38	21.86
	3H	19.49	20.89	19.97	21.36	21.88	22.01	23.41	22.49	23.88	24.40
	4H	20.09	21.42	20.59	21.90	22.44	23.32	24.65	23.82	25.13	25.67
	6H	20.48	21.72	21.00	22.22	22.78	24.72	25.96	25.24	26.46	27.02
	8H	20.60	21.79	21.13	22.31	22.87	25.47	26.66	26.00	27.18	27.74
	12H	20.68	21.82	21.21	22.33	22.92	26.32	27.46	26.86	27.98	28.57
4H	2H	18.74	20.07	19.24	20.55	21.09	19.93	21.26	20.44	21.75	22.29
	3H	20.72	21.85	21.23	22.38	22.94	22.85	23.99	23.37	24.51	25.08
	4H	21.49	22.53	22.03	23.07	23.67	24.37	25.41	24.91	25.95	26.55
	6H	22.07	22.99	22.63	23.56	24.17	26.02	26.94	26.57	27.50	28.11
	8H	22.26	23.12	22.82	23.69	24.31	26.90	27.77	27.46	28.33	28.95
	12H	22.38	23.17	22.96	23.76	24.39	27.90	28.69	28.48	29.28	29.91
8H	4H	22.37	23.24	22.93	23.80	24.42	24.73	25.60	25.30	26.17	26.79
	6H	23.25	23.99	23.85	24.60	25.22	26.64	27.37	27.23	27.98	28.61
	8H	23.60	24.27	24.21	24.88	25.52	27.72	28.38	28.33	29.00	29.64
	12H	23.87	24.47	24.48	25.07	25.78	28.98	29.58	29.59	30.18	30.89
12H	4H	22.65	23.44	23.23	24.03	24.66	24.78	25.56	25.36	26.16	26.78
	6H	23.70	24.37	24.31	24.99	25.63	26.75	27.41	27.35	28.03	28.67
	8H	24.22	24.82	24.83	25.42	26.13	27.94	28.54	28.55	29.14	29.85