

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: P894304

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

Issue Date: 11/11/2024

**Test Information**

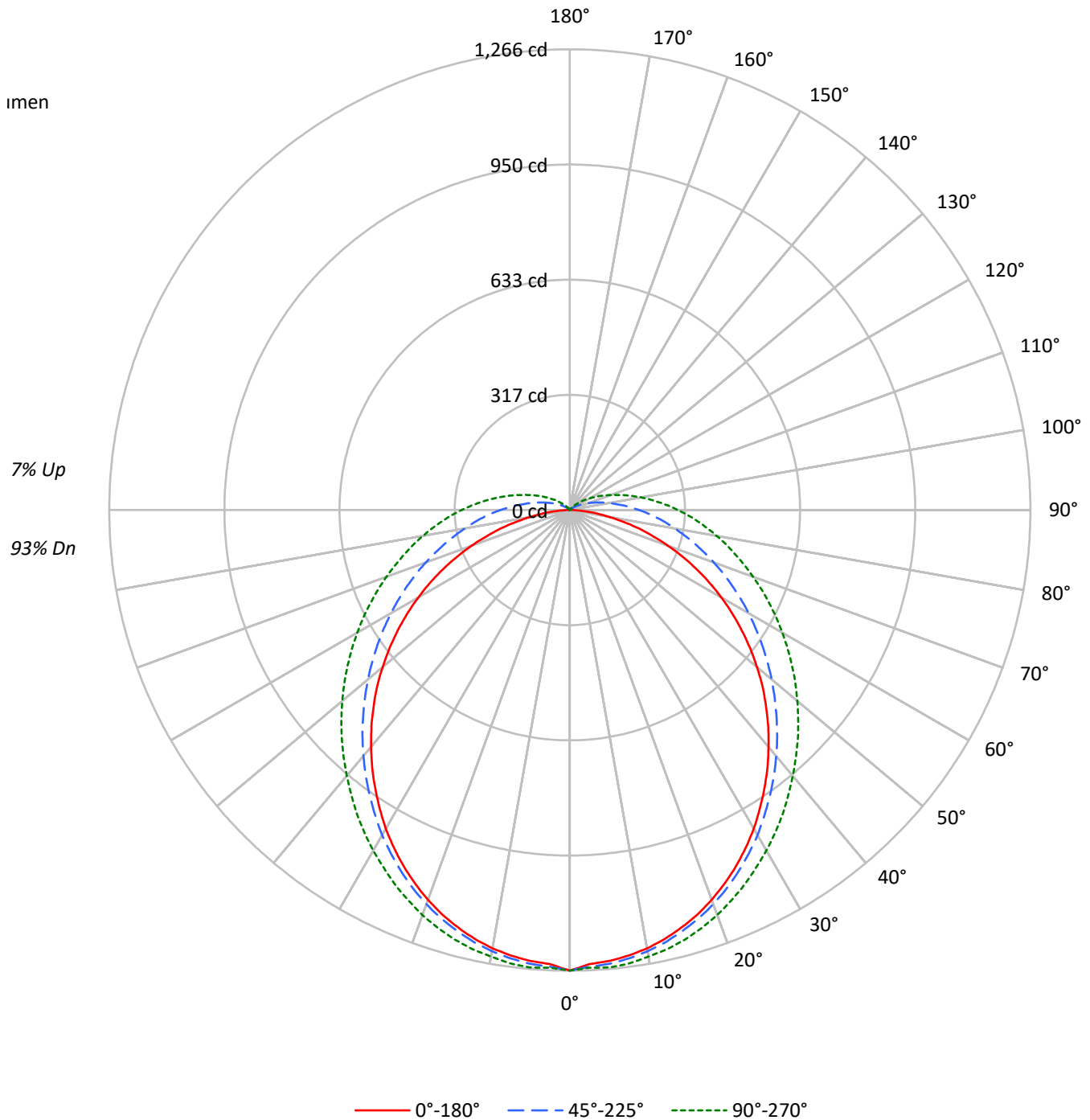
Test Method: LM-79-2019  
Report Number: P894304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-RND-UNV-CC83-MID-4000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT, MID lu setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4190.0 lumens  
Efficiency: N/A  
Efficacy: 125.1 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

TEST NUMBER: P894304  
CATALOG NUMBER: 4MB-SC3-RND-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	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°	9005	9005	9005
5°	8884	8941	9011
10°	8837	8894	9001
15°	8747	8820	9002
20°	8631	8729	8969
25°	8482	8607	8918
30°	8308	8479	8877
35°	8103	8327	8860
40°	7892	8196	8858
45°	7673	8082	8919
50°	7433	8014	9033
55°	7162	7997	9250
60°	6849	8076	9597
65°	6470	8286	10170
70°	5995	8756	11146
75°	5418	9748	12931
80°	4585	12009	16799
85°	3723	19568	28785

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 52980 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.7	2.9
10°-20°	341.0	8.1
20°-30°	510.7	12.2
30°-40°	608.9	14.5
40°-50°	631.5	15.1
50°-60°	585.9	14.0
60°-70°	488.8	11.7
70°-80°	364.4	8.7
80°-90°	242.6	5.8
90°-100°	147.7	3.5
100°-110°	82.5	2.0
110°-120°	41.2	1.0
120°-130°	17.2	0.4
130°-140°	5.4	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°	971.4	23.2
0°-40°	1580.3	37.7
0°-60°	2797.7	66.8
0°-90°	3893.5	92.9
90°-120°	271.4	6.5
90°-150°	295.4	7.1
90°-180°	297.0	7.1
0°-180°	4190.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1244	1273	1252	1259	1262	118
15°	1188	1218	1197	1219	1222	335
25°	1080	1109	1096	1127	1136	497
35°	933	958	959	1006	1020	584
45°	763	782	803	867	886	589
55°	577	597	645	720	746	516
65°	384	415	492	575	604	380
75°	197	252	355	441	470	208
85°	46	125	240	322	353	51
90°	2	82	190	268	297	3
95°	0	50	147	220	246	0
105°	0	16	80	136	156	0
115°	1	4	38	76	91	1
125°	1	1	15	37	46	1
135°	1	1	4	13	17	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	



TEST NUMBER: P894304  
 CATALOG NUMBER: 4MB-SC3-RND-UNV-CC83-MID-4000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7
2.5°	1248.9	1250.8	1268.7	1267.7	1264.7	1276.6	1279.6	1269.7	1253.8	1269.7	1255.8
5°	1243.9	1245.9	1263.7	1262.7	1259.7	1272.6	1273.6	1264.7	1248.9	1264.7	1251.8
7.5°	1235.0	1237.0	1254.8	1253.8	1251.8	1264.7	1263.7	1256.8	1239.9	1256.8	1242.9
10°	1223.1	1224.1	1242.9	1240.9	1239.9	1252.8	1249.8	1243.9	1227.1	1243.9	1231.0
12.5°	1207.3	1208.2	1227.1	1225.1	1225.1	1237.0	1233.0	1228.1	1211.2	1227.1	1216.2
15°	1187.5	1188.4	1206.3	1205.3	1205.3	1218.2	1212.2	1208.2	1192.4	1209.2	1197.4
17.5°	1165.7	1164.7	1183.5	1181.5	1183.5	1195.4	1187.5	1185.5	1170.6	1186.5	1176.6
20°	1139.9	1139.9	1156.7	1155.8	1158.7	1169.6	1159.7	1160.7	1145.9	1162.7	1152.8
22.5°	1111.2	1110.2	1127.0	1127.0	1130.0	1140.9	1130.0	1133.0	1118.1	1134.0	1126.0
25°	1080.5	1078.5	1095.3	1095.3	1100.3	1109.2	1097.3	1101.3	1087.4	1103.3	1096.3
27.5°	1046.8	1043.8	1060.7	1061.7	1065.6	1074.5	1061.7	1067.6	1054.7	1069.6	1064.6
30°	1011.2	1008.2	1025.0	1026.0	1031.0	1037.9	1025.0	1033.0	1021.1	1035.9	1032.0
32.5°	972.5	970.6	986.4	988.4	993.3	998.3	986.4	994.3	984.4	999.3	995.3
35°	932.9	930.9	945.8	948.8	953.7	957.7	944.8	955.7	946.8	960.7	958.7
37.5°	892.3	889.3	905.2	907.2	913.1	915.1	903.2	916.1	908.2	922.0	921.0
40°	849.7	846.8	862.6	864.6	870.5	870.5	860.6	874.5	868.6	881.4	882.4
42.5°	807.1	804.2	818.0	822.0	827.0	827.0	817.1	831.9	827.9	840.8	843.8
45°	762.6	759.6	772.5	776.4	782.4	782.4	772.5	789.3	786.4	799.2	803.2
47.5°	719.0	715.0	726.9	730.9	736.8	736.8	727.9	744.8	743.8	756.6	763.6
50°	671.5	668.5	680.4	684.3	691.3	689.3	683.4	701.2	701.2	714.1	724.0
52.5°	624.9	622.0	633.8	637.8	643.7	643.7	637.8	656.6	659.6	672.5	684.3
55°	577.4	573.4	585.3	589.3	596.2	597.2	592.2	611.1	617.0	631.9	644.7
57.5°	529.8	527.9	537.8	541.7	550.6	550.6	547.7	567.5	575.4	591.2	606.1
60°	481.3	479.3	488.3	493.2	503.1	505.1	503.1	523.9	534.8	550.6	567.5
62.5°	432.8	430.8	439.7	446.7	457.5	459.5	460.5	482.3	494.2	511.0	529.8
65°	384.3	382.3	391.2	399.1	412.0	415.0	417.9	440.7	454.6	472.4	492.2
67.5°	335.7	334.7	343.7	353.6	367.4	371.4	376.3	400.1	416.0	434.8	456.6
70°	288.2	287.2	296.1	308.0	324.8	329.8	335.7	359.5	379.3	399.1	420.9
72.5°	240.7	241.6	251.6	265.4	284.2	289.2	297.1	321.9	343.7	364.5	387.2
75°	197.1	197.1	208.0	223.8	244.6	251.6	260.5	286.2	309.0	330.8	354.6
77.5°	152.5	152.5	165.4	185.2	208.0	214.9	225.8	252.5	277.3	299.1	322.9
80°	111.9	113.9	128.7	148.6	172.3	181.2	194.1	220.9	247.6	269.4	293.1
82.5°	76.3	79.2	95.1	117.9	141.6	150.5	163.4	192.1	218.9	241.6	266.4
85°	45.6	50.5	67.3	90.1	114.9	124.8	138.7	165.4	192.1	214.9	239.7
87.5°	20.8	27.7	45.6	68.3	92.1	103.0	114.9	140.6	167.4	190.2	215.9
90°	2.0	11.9	29.7	49.5	72.3	82.2	94.1	118.8	144.6	165.4	190.2
92.5°	0.0	5.0	17.8	35.7	55.5	65.4	76.3	100.0	122.8	143.6	167.4
95°	0.0	2.0	9.9	24.8	41.6	50.5	60.4	82.2	105.0	124.8	146.6
97.5°	0.0	1.0	5.9	16.8	30.7	38.6	47.5	67.3	88.1	107.0	126.8
100°	0.0	1.0	3.0	10.9	22.8	28.7	37.6	54.5	73.3	90.1	109.9
102.5°	0.0	0.0	2.0	6.9	16.8	21.8	28.7	43.6	60.4	76.3	94.1
105°	0.0	0.0	1.0	5.0	11.9	15.8	21.8	34.7	49.5	63.4	80.2
107.5°	0.0	0.0	1.0	3.0	7.9	11.9	16.8	26.7	39.6	52.5	67.3
110°	1.0	1.0	1.0	2.0	5.9	8.9	11.9	20.8	32.7	43.6	56.5



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

**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	4.0	5.9	8.9	15.8	25.7	34.7	46.5
115°	1.0	1.0	1.0	1.0	3.0	4.0	5.9	11.9	19.8	27.7	37.6
117.5°	1.0	1.0	1.0	1.0	2.0	3.0	4.0	8.9	14.9	21.8	30.7
120°	1.0	1.0	1.0	1.0	1.0	2.0	3.0	5.9	11.9	16.8	24.8
122.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	5.0	8.9	12.9	18.8
125°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	5.9	9.9	14.9
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	6.9	10.9
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	5.0	7.9
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0	5.9
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	4.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
145°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0
175°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7	1265.7
2.5°	1259.7	1262.7	1265.7	1257.8	1262.7	1271.6	1274.6	1262.7	1266.7	1258.8
5°	1255.8	1257.8	1261.7	1251.8	1258.8	1266.7	1271.6	1261.7	1267.7	1261.7
7.5°	1247.9	1249.8	1254.8	1244.9	1253.8	1260.7	1266.7	1256.8	1262.7	1256.8
10°	1236.0	1238.9	1245.9	1234.0	1244.9	1250.8	1256.8	1245.9	1251.8	1245.9
12.5°	1221.1	1226.1	1232.0	1221.1	1232.0	1237.0	1244.9	1234.0	1240.9	1236.0
15°	1203.3	1208.2	1216.2	1205.3	1219.1	1223.1	1231.0	1220.1	1227.1	1222.1
17.5°	1182.5	1188.4	1198.3	1185.5	1201.3	1204.3	1212.2	1202.3	1209.2	1204.3
20°	1158.7	1164.7	1174.6	1162.7	1178.5	1180.5	1189.4	1180.5	1187.5	1184.5
22.5°	1131.0	1137.9	1147.8	1136.9	1153.8	1153.8	1164.7	1155.8	1163.7	1160.7
25°	1102.3	1110.2	1121.1	1109.2	1127.0	1127.0	1138.9	1130.0	1137.9	1136.0
27.5°	1071.6	1080.5	1093.4	1081.5	1099.3	1098.3	1110.2	1102.3	1111.2	1108.2
30°	1038.9	1048.8	1061.7	1051.8	1070.6	1068.6	1080.5	1073.6	1081.5	1080.5
32.5°	1003.2	1014.1	1030.0	1019.1	1037.9	1035.9	1050.8	1042.9	1052.8	1050.8
35°	967.6	979.5	995.3	985.4	1006.2	1003.2	1018.1	1011.2	1021.1	1020.1
37.5°	930.9	943.8	959.7	951.7	971.6	968.6	984.4	978.5	989.4	986.4
40°	893.3	906.2	923.0	916.1	936.9	932.9	949.8	944.8	955.7	953.7
42.5°	855.7	869.5	886.4	882.4	902.2	898.3	915.1	911.1	922.0	920.1
45°	817.1	831.9	849.7	845.8	866.6	862.6	879.4	876.5	887.4	886.4
47.5°	778.4	794.3	812.1	810.1	829.9	826.0	843.8	840.8	851.7	851.7
50°	738.8	756.6	774.5	773.5	793.3	789.3	805.2	805.2	817.1	816.1
52.5°	699.2	718.0	736.8	736.8	756.6	752.7	770.5	769.5	781.4	781.4
55°	661.6	678.4	697.2	701.2	720.0	714.1	732.9	734.9	744.8	745.7
57.5°	623.9	641.8	660.6	665.5	683.4	679.4	697.2	699.2	709.1	710.1
60°	586.3	603.1	622.0	628.9	646.7	642.7	660.6	662.6	673.4	674.4
62.5°	548.7	565.5	586.3	593.2	610.1	607.1	625.9	627.9	637.8	639.8
65°	512.0	529.8	549.7	559.6	575.4	571.4	590.3	592.2	603.1	604.1
67.5°	476.4	494.2	514.0	524.9	539.8	537.8	555.6	559.6	568.5	570.5
70°	441.7	459.5	480.3	491.2	506.1	505.1	521.9	524.9	534.8	535.8
72.5°	408.0	425.9	446.7	459.5	472.4	471.4	488.3	492.2	502.1	503.1
75°	375.3	394.2	414.0	427.8	440.7	439.7	456.6	460.5	469.4	470.4
77.5°	344.6	363.5	384.3	398.1	409.0	410.0	424.9	428.8	437.7	440.7
80°	315.9	333.8	353.6	368.4	378.3	380.3	394.2	399.1	406.1	410.0
82.5°	288.2	306.0	325.8	339.7	349.6	351.6	364.5	370.4	377.3	380.3
85°	261.5	279.3	298.1	313.0	321.9	322.9	335.7	341.7	347.6	352.6
87.5°	235.7	253.5	271.4	287.2	295.1	297.1	309.0	314.9	319.9	324.8
90°	210.0	227.8	245.6	260.5	268.4	269.4	282.3	288.2	293.1	297.1
92.5°	186.2	204.0	221.8	236.7	243.6	245.6	256.5	263.4	267.4	271.4
95°	163.4	181.2	197.1	212.9	219.9	222.8	232.7	238.7	243.6	245.6
97.5°	143.6	159.4	174.3	190.2	196.1	199.1	209.0	215.9	219.9	221.8
100°	124.8	139.6	153.5	168.4	174.3	177.3	186.2	192.1	196.1	199.1
102.5°	108.0	121.8	134.7	148.6	154.5	156.5	164.4	170.3	174.3	177.3
105°	93.1	106.0	117.9	130.7	135.7	138.7	145.6	150.5	154.5	156.5
107.5°	79.2	92.1	102.0	113.9	118.8	120.8	127.8	133.7	136.7	137.7
110°	67.3	78.2	88.1	98.0	104.0	106.0	111.9	116.9	119.8	120.8





TEST NUMBER: P894304

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

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	56.5	66.4	75.3	84.2	89.1	91.1	97.1	102.0	104.0	105.0
115°	46.5	56.5	63.4	72.3	76.3	78.2	83.2	88.1	89.1	91.1
117.5°	37.6	46.5	53.5	60.4	64.4	66.4	70.3	74.3	76.3	77.2
120°	30.7	37.6	43.6	50.5	53.5	55.5	59.4	63.4	64.4	65.4
122.5°	24.8	30.7	35.7	41.6	44.6	46.5	49.5	52.5	53.5	54.5
125°	18.8	24.8	28.7	33.7	36.6	37.6	40.6	43.6	44.6	45.6
127.5°	14.9	18.8	22.8	26.7	28.7	29.7	32.7	34.7	35.7	36.6
130°	10.9	13.9	16.8	20.8	22.8	23.8	25.7	27.7	28.7	28.7
132.5°	7.9	10.9	12.9	15.8	16.8	17.8	19.8	21.8	21.8	22.8
135°	5.0	6.9	8.9	10.9	12.9	12.9	14.9	15.8	16.8	16.8
137.5°	4.0	5.0	5.9	7.9	8.9	9.9	9.9	11.9	11.9	11.9
140°	3.0	4.0	4.0	5.0	5.9	6.9	6.9	7.9	7.9	7.9
142.5°	2.0	3.0	3.0	4.0	4.0	5.0	5.0	5.0	5.9	5.9
145°	2.0	2.0	2.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0
147.5°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
150°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
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	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



TEST NUMBER: P894304  
 CATALOG NUMBER: 4MB-SC3-RND-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	17.92	19.46	18.39	19.92	20.40	19.49	21.03	19.96	21.49	21.97
	3H	19.60	21.00	20.08	21.47	22.00	22.12	23.52	22.60	23.99	24.52
	4H	20.20	21.53	20.70	22.01	22.55	23.43	24.76	23.93	25.25	25.79
	6H	20.60	21.84	21.11	22.33	22.89	24.84	26.08	25.35	26.57	27.13
	8H	20.71	21.90	21.24	22.42	22.99	25.59	26.77	26.11	27.30	27.86
	12H	20.79	21.93	21.32	22.44	23.04	26.44	27.58	26.97	28.09	28.68
4H	2H	18.85	20.18	19.36	20.67	21.21	20.05	21.38	20.55	21.86	22.40
	3H	20.83	21.97	21.35	22.49	23.06	22.96	24.10	23.48	24.63	25.19
	4H	21.61	22.65	22.14	23.19	23.78	24.49	25.53	25.02	26.07	26.66
	6H	22.19	23.11	22.74	23.67	24.28	26.13	27.05	26.69	27.61	28.22
	8H	22.37	23.24	22.93	23.80	24.42	27.01	27.88	27.57	28.44	29.06
	12H	22.49	23.28	23.08	23.87	24.50	28.01	28.80	28.60	29.39	30.02
8H	4H	22.49	23.35	23.05	23.92	24.54	24.85	25.71	25.41	26.28	26.90
	6H	23.37	24.10	23.96	24.71	25.34	26.75	27.49	27.34	28.09	28.72
	8H	23.71	24.38	24.32	25.00	25.64	27.83	28.50	28.44	29.11	29.75
	12H	23.99	24.58	24.59	25.19	25.89	29.10	29.69	29.70	30.30	31.00
12H	4H	22.76	23.55	23.35	24.14	24.77	24.89	25.68	25.47	26.27	26.90
	6H	23.82	24.48	24.42	25.10	25.74	26.86	27.53	27.46	28.14	28.78
	8H	24.33	24.93	24.94	25.53	26.24	28.06	28.65	28.66	29.26	29.96