

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: P894315

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC83-HI-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894315
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RNDU-UNV-CC83-HI-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 35
CCT, HI lumen setting
Light Source: -
Ballast/Driver: -

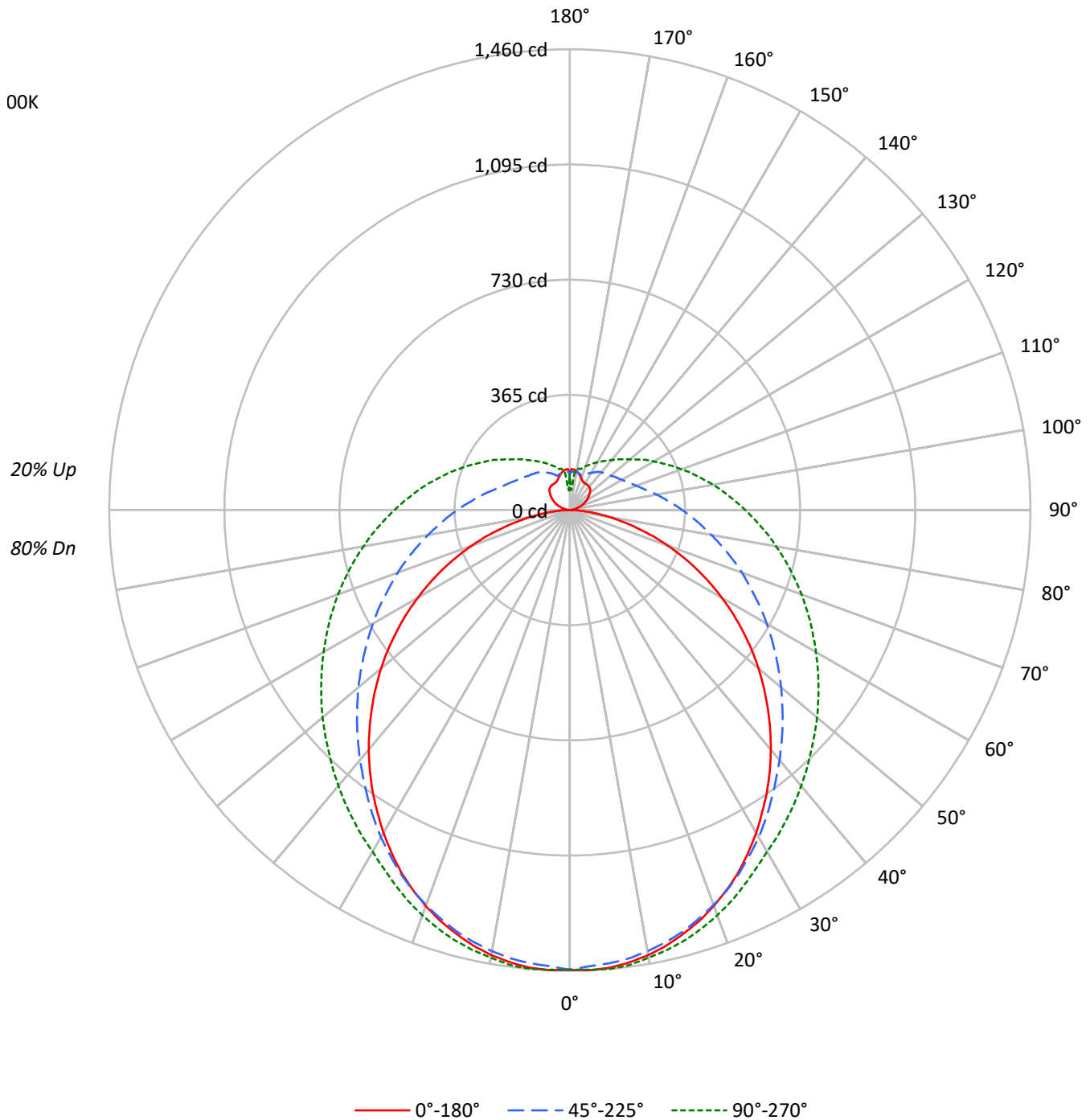
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6128.0 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 50.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.39961257980444
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				
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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10366	10366	10366
5°	10349	9928	9949
10°	10251	9541	9489
15°	10100	9150	9064
20°	9919	8737	8628
25°	9699	8321	8191
30°	9419	7903	7804
35°	9129	7472	7518
40°	8819	7082	7259
45°	8483	6737	7029
50°	8132	6430	6850
55°	7728	6145	6695
60°	7271	5911	6579
65°	6714	5706	6513
70°	6025	5578	6491
75°	5101	5486	6520
80°	3984	5485	6624
85°	2548	5628	6841

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8483 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	2.2
10°-20°	393.1	6.4
20°-30°	590.1	9.6
30°-40°	709.6	11.6
40°-50°	751.8	12.3
50°-60°	724.0	11.8
60°-70°	640.8	10.5
70°-80°	525.6	8.6
80°-90°	407.8	6.7
90°-100°	316.5	5.2
100°-110°	250.8	4.1
110°-120°	199.8	3.3
120°-130°	158.7	2.6
130°-140°	123.9	2.0
140°-150°	91.2	1.5
150°-160°	60.3	1.0
160°-170°	34.7	0.6
170°-180°	11.2	0.2
0°-30°	1121.0	18.3
0°-40°	1830.6	29.9
0°-60°	3306.5	54.0
0°-90°	4880.8	79.6
90°-120°	767.2	12.5
90°-150°	1141.0	18.6
90°-180°	1247.0	20.3
0°-180°	6128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1456	1457	1442	1453	1460	138
15°	1390	1392	1384	1404	1411	392
25°	1266	1270	1270	1302	1310	582
35°	1090	1103	1116	1174	1198	681
45°	887	908	954	1044	1081	685
55°	670	703	796	914	962	599
65°	444	505	647	783	841	439
75°	222	333	516	661	722	237
85°	50	201	403	550	609	57
90°	1	158	356	499	556	4
95°	7	130	315	450	506	7
105°	25	105	248	369	417	27
115°	50	101	207	301	341	49
125°	72	105	180	248	279	64
135°	92	112	162	208	227	70
145°	97	111	147	179	190	61
155°	98	115	126	152	161	46
165°	116	123	119	119	134	33
175°	129	128	122	101	68	12
180°	112	112	112	112	112	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1459.7	1458.3	1461.1	1463.9	1472.2	1461.1	1466.6	1451.4	1452.8	1454.2	1447.2
5°	1455.6	1451.4	1455.6	1458.3	1465.3	1456.9	1462.5	1445.9	1447.2	1450.0	1441.7
7.5°	1445.9	1441.7	1444.5	1447.2	1454.2	1445.9	1452.8	1436.1	1438.9	1440.3	1433.4
10°	1432.0	1426.4	1429.2	1433.4	1438.9	1432.0	1437.5	1422.3	1423.7	1426.4	1419.5
12.5°	1414.0	1408.4	1411.2	1414.0	1420.9	1414.0	1419.5	1404.3	1407.0	1409.8	1402.9
15°	1390.4	1384.9	1387.6	1390.4	1395.9	1391.8	1397.3	1382.1	1384.9	1390.4	1383.5
17.5°	1365.4	1357.1	1359.9	1364.1	1369.6	1366.8	1371.0	1358.5	1359.9	1365.4	1358.5
20°	1335.0	1326.6	1329.4	1333.6	1339.1	1337.7	1340.5	1329.4	1332.2	1339.1	1332.2
22.5°	1301.7	1293.4	1296.1	1301.7	1305.8	1305.8	1307.2	1298.9	1301.7	1308.6	1303.1
25°	1265.6	1257.3	1260.1	1265.6	1269.8	1269.8	1272.6	1264.3	1268.4	1275.3	1269.8
27.5°	1224.1	1219.9	1219.9	1225.4	1228.2	1231.0	1232.4	1225.4	1231.0	1237.9	1233.8
30°	1181.1	1175.5	1178.3	1185.2	1185.2	1190.8	1190.8	1185.2	1192.2	1200.5	1197.7
32.5°	1135.3	1131.2	1132.6	1140.9	1140.9	1147.8	1146.4	1143.7	1150.6	1160.3	1157.5
35°	1089.6	1085.4	1086.8	1095.1	1095.1	1103.4	1100.7	1100.7	1107.6	1118.7	1115.9
37.5°	1041.1	1038.3	1039.7	1048.0	1048.0	1056.3	1053.5	1054.9	1063.2	1075.7	1074.3
40°	991.2	988.4	991.2	998.1	1000.9	1007.8	1005.0	1007.8	1018.9	1030.0	1034.1
42.5°	939.9	938.5	941.3	948.2	951.0	957.9	956.5	960.7	971.8	988.4	993.9
45°	887.2	887.2	890.0	896.9	899.7	908.0	906.6	912.1	926.0	944.0	953.7
47.5°	834.5	835.9	837.3	845.6	845.6	859.5	855.3	863.6	881.7	902.4	913.5
50°	780.5	783.2	784.6	791.5	794.3	806.8	804.0	817.9	837.3	859.5	874.7
52.5°	726.4	729.2	731.9	737.5	740.3	755.5	752.7	770.8	794.3	817.9	834.5
55°	669.6	675.1	676.5	683.4	687.6	702.8	702.8	723.6	748.6	774.9	795.7
57.5°	614.1	619.7	621.0	629.4	634.9	652.9	655.7	679.3	707.0	733.3	758.3
60°	557.3	564.2	565.6	573.9	583.6	603.0	607.2	633.5	664.0	691.7	720.8
62.5°	500.4	507.4	510.1	518.5	533.7	553.1	560.0	590.5	622.4	652.9	684.8
65°	443.6	450.5	454.7	465.8	483.8	504.6	514.3	546.2	582.2	614.1	647.4
67.5°	386.8	395.1	400.6	414.5	438.1	460.2	469.9	506.0	543.4	578.1	612.7
70°	331.3	339.6	346.6	364.6	392.3	414.5	427.0	465.8	504.6	542.0	580.8
72.5°	277.2	285.6	295.3	317.4	347.9	372.9	386.8	427.0	469.9	507.4	547.6
75°	221.8	231.5	242.6	273.1	307.7	332.7	347.9	390.9	435.3	472.7	515.7
77.5°	171.9	181.6	198.2	228.7	267.5	295.3	311.9	357.7	403.4	440.8	485.2
80°	126.1	135.9	158.0	191.3	231.5	257.8	278.6	325.8	372.9	411.7	456.1
82.5°	85.9	95.7	122.0	158.0	201.0	227.3	246.8	296.7	343.8	384.0	428.3
85°	49.9	63.8	91.5	130.3	174.7	201.0	220.4	271.7	317.4	357.7	403.4
87.5°	22.2	38.8	69.3	108.1	152.5	177.4	198.2	245.4	293.9	334.1	379.8
90°	1.4	22.2	54.1	91.5	134.5	158.0	177.4	224.6	270.3	311.9	356.3
92.5°	2.8	15.2	44.4	79.0	119.2	142.8	162.2	206.6	249.5	292.5	335.5
95°	6.9	15.2	38.8	70.7	108.1	130.3	148.3	191.3	231.5	273.1	314.7
97.5°	11.1	16.6	37.4	66.5	99.8	120.6	137.2	177.4	217.6	255.1	296.7
100°	15.2	20.8	37.4	63.8	94.3	113.7	128.9	166.3	203.8	238.4	280.0
102.5°	19.4	25.0	40.2	63.8	91.5	108.1	123.4	158.0	192.7	224.6	263.4
105°	25.0	29.1	43.0	63.8	88.7	105.4	117.8	149.7	183.0	213.5	248.1
107.5°	30.5	33.3	45.7	65.2	88.7	102.6	115.1	144.2	174.7	202.4	235.7
110°	37.4	38.8	49.9	67.9	88.7	101.2	112.3	140.0	167.7	194.1	224.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	43.0	43.0	54.1	70.7	88.7	101.2	110.9	135.9	162.2	185.8	214.9
115°	49.9	49.9	58.2	73.5	90.1	101.2	110.9	134.5	158.0	178.8	206.6
117.5°	55.4	55.4	63.8	76.2	92.9	102.6	110.9	131.7	153.9	173.3	198.2
120°	61.0	61.0	66.5	79.0	94.3	104.0	110.9	130.3	149.7	169.1	191.3
122.5°	66.5	66.5	70.7	83.2	95.7	104.0	110.9	128.9	146.9	163.6	184.4
125°	72.1	72.1	74.9	85.9	98.4	105.4	112.3	128.9	145.6	159.4	180.2
127.5°	77.6	76.2	80.4	90.1	99.8	106.7	113.7	128.9	142.8	156.6	174.7
130°	81.8	80.4	85.9	92.9	102.6	108.1	113.7	127.5	141.4	153.9	169.1
132.5°	87.3	84.6	91.5	94.3	105.4	110.9	115.1	127.5	140.0	151.1	166.3
135°	91.5	88.7	95.7	98.4	106.7	112.3	116.4	127.5	138.6	149.7	162.2
137.5°	94.3	92.9	99.8	102.6	108.1	113.7	117.8	127.5	137.2	146.9	159.4
140°	95.7	94.3	99.8	105.4	108.1	113.7	116.4	126.1	135.9	144.2	155.3
142.5°	97.0	97.0	101.2	106.7	108.1	112.3	116.4	124.8	133.1	140.0	152.5
145°	97.0	97.0	101.2	108.1	109.5	110.9	113.7	122.0	128.9	135.9	146.9
147.5°	97.0	97.0	102.6	108.1	110.9	112.3	110.9	119.2	126.1	131.7	141.4
150°	97.0	97.0	102.6	108.1	112.3	113.7	112.3	116.4	122.0	127.5	135.9
152.5°	98.4	98.4	102.6	108.1	112.3	113.7	113.7	113.7	117.8	123.4	131.7
155°	98.4	99.8	102.6	110.9	113.7	115.1	115.1	115.1	113.7	119.2	126.1
157.5°	102.6	104.0	105.4	112.3	115.1	116.4	116.4	116.4	115.1	113.7	120.6
160°	106.7	108.1	109.5	115.1	117.8	119.2	119.2	119.2	116.4	115.1	115.1
162.5°	110.9	113.7	113.7	116.4	119.2	120.6	120.6	122.0	119.2	117.8	116.4
165°	116.4	117.8	117.8	119.2	122.0	123.4	122.0	123.4	122.0	120.6	119.2
167.5°	120.6	122.0	122.0	123.4	123.4	124.8	124.8	124.8	123.4	122.0	122.0
170°	124.8	126.1	126.1	126.1	126.1	126.1	126.1	126.1	124.8	122.0	122.0
172.5°	127.5	128.9	128.9	127.5	127.5	127.5	127.5	126.1	123.4	122.0	122.0
175°	128.9	130.3	130.3	128.9	127.5	127.5	127.5	126.1	123.4	122.0	122.0
177.5°	130.3	131.7	130.3	130.3	127.5	127.5	127.5	127.5	124.8	123.4	122.0
180°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1455.6	1438.9	1450.0	1451.4	1456.9	1451.4	1455.6	1451.4	1462.5	1458.3
5°	1450.0	1434.8	1444.5	1445.9	1452.8	1445.9	1452.8	1450.0	1463.9	1459.7
7.5°	1440.3	1427.8	1436.1	1437.5	1445.9	1438.9	1445.9	1443.1	1459.7	1454.2
10°	1426.4	1416.7	1425.1	1426.4	1434.8	1427.8	1433.4	1430.6	1448.6	1440.3
12.5°	1411.2	1402.9	1409.8	1411.2	1420.9	1414.0	1420.9	1418.1	1436.1	1427.8
15°	1389.0	1384.9	1391.8	1394.6	1404.3	1398.7	1405.7	1402.9	1422.3	1411.2
17.5°	1366.8	1364.1	1371.0	1373.8	1384.9	1377.9	1384.9	1382.1	1401.5	1390.4
20°	1339.1	1337.7	1344.7	1348.8	1358.5	1351.6	1359.9	1357.1	1377.9	1366.8
22.5°	1310.0	1310.0	1315.5	1319.7	1329.4	1323.9	1332.2	1330.8	1351.6	1340.5
25°	1278.1	1279.5	1285.0	1290.6	1301.7	1297.5	1304.5	1304.5	1323.9	1310.0
27.5°	1242.1	1249.0	1253.2	1260.1	1269.8	1265.6	1272.6	1274.0	1293.4	1279.5
30°	1204.6	1214.3	1218.5	1226.8	1235.1	1235.1	1242.1	1244.8	1264.3	1250.4
32.5°	1165.8	1176.9	1182.5	1193.6	1204.6	1204.6	1214.3	1218.5	1237.9	1225.4
35°	1127.0	1142.3	1149.2	1163.1	1174.1	1175.5	1185.2	1190.8	1210.2	1197.7
37.5°	1089.6	1109.0	1115.9	1132.6	1142.3	1145.0	1156.1	1163.1	1181.1	1170.0
40°	1050.8	1074.3	1082.7	1100.7	1109.0	1114.5	1125.6	1133.9	1150.6	1140.9
42.5°	1013.3	1039.7	1048.0	1067.4	1077.1	1082.7	1093.7	1104.8	1121.5	1111.8
45°	975.9	1005.0	1014.7	1035.5	1043.8	1052.2	1064.6	1074.3	1089.6	1081.3
47.5°	939.9	970.4	980.1	1002.3	1012.0	1021.7	1032.8	1046.6	1060.5	1052.2
50°	902.4	934.3	946.8	970.4	978.7	989.8	1003.6	1016.1	1030.0	1023.0
52.5°	866.4	899.7	912.1	937.1	946.8	957.9	971.8	985.6	998.1	992.6
55°	827.6	863.6	877.5	903.8	913.5	924.6	939.9	955.1	966.2	962.1
57.5°	791.5	829.0	842.8	871.9	880.3	894.1	909.4	926.0	935.7	931.6
60°	755.5	792.9	809.6	838.7	848.4	862.2	877.5	895.5	903.8	901.1
62.5°	719.5	758.3	776.3	806.8	815.1	830.4	848.4	863.6	871.9	870.6
65°	686.2	723.6	744.4	774.9	783.2	799.9	816.5	833.1	841.4	841.4
67.5°	651.5	691.7	712.5	744.4	751.3	769.4	787.4	804.0	811.0	811.0
70°	619.7	658.5	682.0	713.9	720.8	737.5	756.9	774.9	780.5	781.8
72.5°	587.8	626.6	651.5	684.8	691.7	708.4	726.4	745.8	750.0	751.3
75°	557.3	596.1	621.0	654.3	661.2	677.9	697.3	715.3	720.8	722.2
77.5°	526.8	565.6	593.3	625.2	632.1	648.8	668.2	686.2	690.3	693.1
80°	499.0	536.5	562.8	597.5	604.4	621.0	639.1	657.1	659.9	664.0
82.5°	471.3	508.8	536.5	569.7	576.7	593.3	611.3	629.4	632.1	637.7
85°	445.0	482.4	510.1	542.0	550.3	565.6	585.0	601.6	604.4	608.6
87.5°	421.4	456.1	485.2	515.7	524.0	539.2	558.7	575.3	576.7	582.2
90°	396.5	431.1	460.2	490.7	499.0	512.9	532.3	549.0	551.7	555.9
92.5°	375.7	407.6	438.1	467.2	474.1	489.3	507.4	524.0	526.8	530.9
95°	353.5	385.4	415.9	443.6	450.5	465.8	482.4	499.0	501.8	506.0
97.5°	334.1	364.6	393.7	421.4	428.3	442.2	460.2	475.5	478.3	483.8
100°	316.1	345.2	375.7	400.6	407.6	421.4	438.1	453.3	456.1	461.6
102.5°	299.4	327.2	356.3	379.8	388.1	400.6	417.3	431.1	433.9	438.1
105°	284.2	310.5	338.2	360.4	368.7	381.2	396.5	410.3	413.1	417.3
107.5°	268.9	293.9	320.2	342.4	349.3	360.4	375.7	389.5	392.3	397.9
110°	255.1	280.0	305.0	325.8	334.1	342.4	357.7	370.1	372.9	377.1



TEST NUMBER: P894315

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC83-HI-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	242.6	264.8	289.7	309.1	316.1	325.8	338.2	350.7	353.5	359.0
115°	231.5	252.3	277.2	295.3	300.8	309.1	323.0	334.1	336.9	341.0
117.5°	221.8	239.8	262.0	280.0	287.0	293.9	306.4	316.1	320.2	323.0
120°	213.5	230.1	249.5	266.2	274.5	280.0	291.1	300.8	305.0	307.7
122.5°	205.2	220.4	238.4	253.7	260.6	264.8	277.2	285.6	289.7	293.9
125°	198.2	212.1	228.7	241.2	248.1	252.3	263.4	271.7	275.9	278.6
127.5°	191.3	203.8	220.4	230.1	237.0	239.8	249.5	257.8	262.0	263.4
130°	184.4	196.8	210.7	220.4	226.0	230.1	238.4	244.0	248.1	249.5
132.5°	178.8	189.9	202.4	212.1	217.6	219.0	227.3	232.9	237.0	238.4
135°	174.7	183.0	195.5	203.8	207.9	210.7	217.6	221.8	226.0	227.3
137.5°	169.1	177.4	188.5	194.1	199.6	201.0	207.9	212.1	216.3	217.6
140°	165.0	171.9	181.6	187.1	192.7	192.7	198.2	202.4	206.6	206.6
142.5°	160.8	167.7	176.1	181.6	185.8	185.8	191.3	194.1	198.2	198.2
145°	155.3	162.2	170.5	174.7	178.8	178.8	183.0	185.8	189.9	189.9
147.5°	149.7	156.6	165.0	167.7	171.9	171.9	176.1	178.8	181.6	181.6
150°	142.8	148.3	158.0	162.2	166.3	166.3	169.1	171.9	174.7	174.7
152.5°	137.2	141.4	149.7	155.3	159.4	159.4	162.2	165.0	167.7	167.7
155°	130.3	134.5	141.4	148.3	152.5	153.9	156.6	158.0	160.8	160.8
157.5°	124.8	128.9	134.5	140.0	144.2	146.9	151.1	152.5	153.9	153.9
160°	117.8	120.6	126.1	131.7	135.9	138.6	145.6	146.9	148.3	148.3
162.5°	115.1	115.1	117.8	122.0	126.1	127.5	134.5	140.0	142.8	141.4
165°	116.4	115.1	115.1	116.4	119.2	120.6	124.8	133.1	135.9	134.5
167.5°	119.2	116.4	115.1	115.1	117.8	117.8	122.0	128.9	137.2	134.5
170°	119.2	115.1	112.3	112.3	113.7	113.7	116.4	120.6	128.9	130.3
172.5°	117.8	115.1	110.9	105.4	106.7	105.4	104.0	106.7	108.1	122.0
175°	119.2	115.1	110.9	104.0	101.2	97.0	90.1	84.6	83.2	67.9
177.5°	117.8	113.7	108.1	102.6	99.8	94.3	85.9	76.2	70.7	62.4
180°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3



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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	15.06	16.37	15.70	17.03	17.80	18.60	19.91	19.24	20.58	21.35
	3H	16.40	17.60	17.06	18.28	19.08	21.52	22.72	22.17	23.39	24.19
	4H	16.81	17.95	17.48	18.63	19.45	22.99	24.13	23.67	24.82	25.63
	6H	17.02	18.09	17.71	18.78	19.61	24.55	25.61	25.24	26.31	27.14
	8H	17.06	18.08	17.76	18.79	19.63	25.36	26.38	26.06	27.10	27.93
	12H	17.06	18.04	17.77	18.75	19.61	26.24	27.22	26.94	27.93	28.79
4H	2H	16.20	17.34	16.87	18.02	18.84	18.92	20.06	19.60	20.75	21.56
	3H	17.84	18.82	18.53	19.54	20.37	22.07	23.05	22.76	23.77	24.60
	4H	18.41	19.31	19.11	20.03	20.90	23.72	24.62	24.42	25.35	26.21
	6H	18.75	19.55	19.47	20.30	21.17	25.49	26.29	26.21	27.04	27.91
	8H	18.82	19.58	19.55	20.32	21.21	26.43	27.18	27.15	27.92	28.81
	12H	18.85	19.54	19.60	20.31	21.19	27.45	28.13	28.20	28.90	29.79
8H	4H	19.50	20.25	20.22	20.99	21.88	23.90	24.65	24.62	25.39	26.28
	6H	20.10	20.75	20.86	21.53	22.42	25.85	26.49	26.60	27.27	28.16
	8H	20.30	20.88	21.07	21.67	22.57	26.93	27.51	27.69	28.29	29.19
	12H	20.41	20.93	21.18	21.71	22.67	28.15	28.66	28.92	29.44	30.40
12H	4H	19.85	20.53	20.60	21.30	22.19	23.89	24.57	24.64	25.34	26.23
	6H	20.63	21.21	21.39	21.99	22.89	25.88	26.46	26.64	27.24	28.14
	8H	20.96	21.47	21.72	22.25	23.21	27.02	27.54	27.79	28.32	29.28