

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: P893565

Luminaire Tested: 4MB-4SL-RNDU-UNV-L930

Issue Date: 11/11/2024

**Test Information**

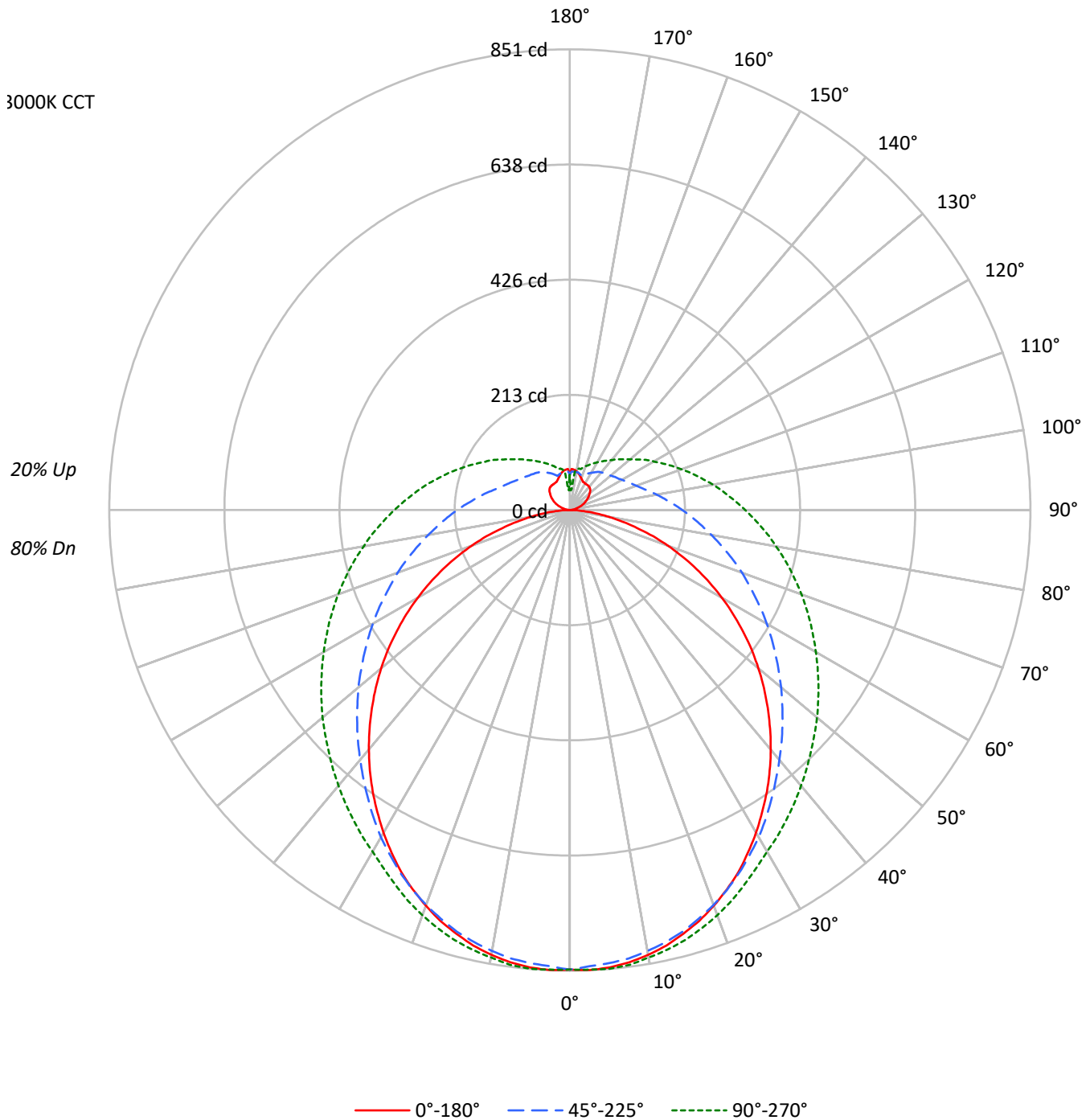
Test Method: LM-79-2019  
Report Number: P893565  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-RNDU-UNV-L930  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3571.0 lumens  
Efficiency: N/A  
Efficacy: 119.8 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): 29.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 5.5  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-4SL-RNDU-UNV-L930

### 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°	6041	6041	6041
5°	6030	5785	5797
10°	5974	5560	5530
15°	5885	5332	5282
20°	5780	5091	5028
25°	5652	4850	4773
30°	5489	4605	4547
35°	5320	4354	4381
40°	5139	4127	4230
45°	4943	3926	4096
50°	4738	3747	3992
55°	4504	3581	3901
60°	4236	3445	3834
65°	3913	3324	3795
70°	3512	3251	3783
75°	2971	3197	3800
80°	2322	3196	3859
85°	1486	3280	3986

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4943 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.3	2.2
10°-20°	229.0	6.4
20°-30°	343.9	9.6
30°-40°	413.5	11.6
40°-50°	438.1	12.3
50°-60°	421.9	11.8
60°-70°	373.4	10.5
70°-80°	306.3	8.6
80°-90°	237.7	6.7
90°-100°	184.5	5.2
100°-110°	146.2	4.1
110°-120°	116.4	3.3
120°-130°	92.5	2.6
130°-140°	72.2	2.0
140°-150°	53.2	1.5
150°-160°	35.2	1.0
160°-170°	20.2	0.6
170°-180°	6.5	0.2
0°-30°	653.3	18.3
0°-40°	1066.8	29.9
0°-60°	1926.8	54.0
0°-90°	2844.2	79.6
90°-120°	447.0	12.5
90°-150°	664.9	18.6
90°-180°	727.0	20.4
0°-180°	3571.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	849	849	849	849	849	
5°	848	849	840	847	851	81
15°	810	811	806	818	822	229
25°	738	740	740	758	763	339
35°	635	643	650	684	698	397
45°	517	529	556	608	630	399
55°	390	410	464	532	561	349
65°	258	294	377	456	490	256
75°	129	194	300	385	421	138
85°	29	117	235	321	355	33
90°	1	92	208	291	324	2
95°	4	76	183	262	295	4
105°	14	61	145	215	243	16
115°	29	59	120	175	199	28
125°	42	61	105	145	162	37
135°	53	65	94	121	132	41
145°	56	65	86	104	111	35
155°	57	67	74	89	94	27
165°	68	72	70	70	78	19
175°	75	74	71	59	40	7
180°	65	65	65	65	65	



TEST NUMBER: P893565  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0
2.5°	850.6	849.8	851.4	853.0	857.9	851.4	854.7	845.8	846.6	847.4	843.4
5°	848.2	845.8	848.2	849.8	853.9	849.0	852.2	842.5	843.4	845.0	840.1
7.5°	842.5	840.1	841.7	843.4	847.4	842.5	846.6	836.9	838.5	839.3	835.3
10°	834.5	831.2	832.9	835.3	838.5	834.5	837.7	828.8	829.6	831.2	827.2
12.5°	824.0	820.7	822.4	824.0	828.0	824.0	827.2	818.3	819.9	821.5	817.5
15°	810.2	807.0	808.6	810.2	813.5	811.0	814.3	805.4	807.0	810.2	806.2
17.5°	795.7	790.8	792.5	794.9	798.1	796.5	798.9	791.7	792.5	795.7	791.7
20°	777.9	773.1	774.7	777.1	780.3	779.5	781.2	774.7	776.3	780.3	776.3
22.5°	758.5	753.7	755.3	758.5	761.0	761.0	761.8	756.9	758.5	762.6	759.3
25°	737.5	732.7	734.3	737.5	740.0	740.0	741.6	736.7	739.1	743.2	740.0
27.5°	713.3	710.9	710.9	714.1	715.7	717.3	718.1	714.1	717.3	721.4	719.0
30°	688.3	685.0	686.6	690.7	690.7	693.9	693.9	690.7	694.7	699.6	697.9
32.5°	661.6	659.2	660.0	664.8	664.8	668.9	668.1	666.4	670.5	676.1	674.5
35°	634.9	632.5	633.3	638.2	638.2	643.0	641.4	641.4	645.4	651.9	650.3
37.5°	606.7	605.1	605.9	610.7	610.7	615.6	613.9	614.7	619.6	626.9	626.1
40°	577.6	576.0	577.6	581.6	583.2	587.3	585.7	587.3	593.7	600.2	602.6
42.5°	547.7	546.9	548.5	552.5	554.2	558.2	557.4	559.8	566.3	576.0	579.2
45°	517.0	517.0	518.6	522.7	524.3	529.1	528.3	531.5	539.6	550.1	555.8
47.5°	486.3	487.1	487.9	492.8	492.8	500.8	498.4	503.3	513.8	525.9	532.3
50°	454.8	456.4	457.2	461.3	462.9	470.1	468.5	476.6	487.9	500.8	509.7
52.5°	423.3	424.9	426.5	429.8	431.4	440.3	438.6	449.1	462.9	476.6	486.3
55°	390.2	393.4	394.2	398.3	400.7	409.6	409.6	421.7	436.2	451.6	463.7
57.5°	357.9	361.1	361.9	366.7	370.0	380.5	382.1	395.8	412.0	427.3	441.9
60°	324.7	328.8	329.6	334.4	340.1	351.4	353.8	369.2	386.9	403.1	420.1
62.5°	291.6	295.7	297.3	302.1	311.0	322.3	326.4	344.1	362.7	380.5	399.1
65°	258.5	262.5	265.0	271.4	281.9	294.0	299.7	318.3	339.3	357.9	377.2
67.5°	225.4	230.2	233.5	241.5	255.3	268.2	273.8	294.9	316.7	336.9	357.1
70°	193.1	197.9	202.0	212.5	228.6	241.5	248.8	271.4	294.0	315.9	338.5
72.5°	161.6	166.4	172.1	185.0	202.8	217.3	225.4	248.8	273.8	295.7	319.1
75°	129.2	134.9	141.4	159.1	179.3	193.9	202.8	227.8	253.7	275.5	300.5
77.5°	100.2	105.8	115.5	133.3	155.9	172.1	181.8	208.4	235.1	256.9	282.7
80°	73.5	79.2	92.1	111.5	134.9	150.3	162.4	189.8	217.3	239.9	265.8
82.5°	50.1	55.7	71.1	92.1	117.1	132.5	143.8	172.9	200.3	223.8	249.6
85°	29.1	37.2	53.3	75.9	101.8	117.1	128.4	158.3	185.0	208.4	235.1
87.5°	12.9	22.6	40.4	63.0	88.9	103.4	115.5	143.0	171.3	194.7	221.3
90°	0.8	12.9	31.5	53.3	78.4	92.1	103.4	130.9	157.5	181.8	207.6
92.5°	1.6	8.9	25.8	46.0	69.5	83.2	94.5	120.4	145.4	170.4	195.5
95°	4.0	8.9	22.6	41.2	63.0	75.9	86.4	111.5	134.9	159.1	183.4
97.5°	6.5	9.7	21.8	38.8	58.2	70.3	80.0	103.4	126.8	148.6	172.9
100°	8.9	12.1	21.8	37.2	54.9	66.2	75.1	96.9	118.7	138.9	163.2
102.5°	11.3	14.5	23.4	37.2	53.3	63.0	71.9	92.1	112.3	130.9	153.5
105°	14.5	17.0	25.0	37.2	51.7	61.4	68.7	87.2	106.6	124.4	144.6
107.5°	17.8	19.4	26.7	38.0	51.7	59.8	67.0	84.0	101.8	117.9	137.3
110°	21.8	22.6	29.1	39.6	51.7	59.0	65.4	81.6	97.7	113.1	130.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	25.0	25.0	31.5	41.2	51.7	59.0	64.6	79.2	94.5	108.2	125.2
115°	29.1	29.1	33.9	42.8	52.5	59.0	64.6	78.4	92.1	104.2	120.4
117.5°	32.3	32.3	37.2	44.4	54.1	59.8	64.6	76.7	89.7	101.0	115.5
120°	35.5	35.5	38.8	46.0	54.9	60.6	64.6	75.9	87.2	98.6	111.5
122.5°	38.8	38.8	41.2	48.5	55.7	60.6	64.6	75.1	85.6	95.3	107.4
125°	42.0	42.0	43.6	50.1	57.4	61.4	65.4	75.1	84.8	92.9	105.0
127.5°	45.2	44.4	46.9	52.5	58.2	62.2	66.2	75.1	83.2	91.3	101.8
130°	47.7	46.9	50.1	54.1	59.8	63.0	66.2	74.3	82.4	89.7	98.6
132.5°	50.9	49.3	53.3	54.9	61.4	64.6	67.0	74.3	81.6	88.1	96.9
135°	53.3	51.7	55.7	57.4	62.2	65.4	67.9	74.3	80.8	87.2	94.5
137.5°	54.9	54.1	58.2	59.8	63.0	66.2	68.7	74.3	80.0	85.6	92.9
140°	55.7	54.9	58.2	61.4	63.0	66.2	67.9	73.5	79.2	84.0	90.5
142.5°	56.5	56.5	59.0	62.2	63.0	65.4	67.9	72.7	77.5	81.6	88.9
145°	56.5	56.5	59.0	63.0	63.8	64.6	66.2	71.1	75.1	79.2	85.6
147.5°	56.5	56.5	59.8	63.0	64.6	65.4	64.6	69.5	73.5	76.7	82.4
150°	56.5	56.5	59.8	63.0	65.4	66.2	65.4	67.9	71.1	74.3	79.2
152.5°	57.4	57.4	59.8	63.0	65.4	66.2	66.2	66.2	68.7	71.9	76.7
155°	57.4	58.2	59.8	64.6	66.2	67.0	67.0	67.0	66.2	69.5	73.5
157.5°	59.8	60.6	61.4	65.4	67.0	67.9	67.9	67.9	67.0	66.2	70.3
160°	62.2	63.0	63.8	67.0	68.7	69.5	69.5	69.5	67.9	67.0	67.0
162.5°	64.6	66.2	66.2	67.9	69.5	70.3	70.3	71.1	69.5	68.7	67.9
165°	67.9	68.7	68.7	69.5	71.1	71.9	71.1	71.9	71.1	70.3	69.5
167.5°	70.3	71.1	71.1	71.9	71.9	72.7	72.7	72.7	71.9	71.1	71.1
170°	72.7	73.5	73.5	73.5	73.5	73.5	73.5	73.5	72.7	71.1	71.1
172.5°	74.3	75.1	75.1	74.3	74.3	74.3	74.3	73.5	71.9	71.1	71.1
175°	75.1	75.9	75.9	75.1	74.3	74.3	74.3	73.5	71.9	71.1	71.1
177.5°	75.9	76.7	75.9	75.9	74.3	74.3	74.3	74.3	72.7	71.9	71.1
180°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0	849.0
2.5°	848.2	838.5	845.0	845.8	849.0	845.8	848.2	845.8	852.2	849.8
5°	845.0	836.1	841.7	842.5	846.6	842.5	846.6	845.0	853.0	850.6
7.5°	839.3	832.0	836.9	837.7	842.5	838.5	842.5	840.9	850.6	847.4
10°	831.2	825.6	830.4	831.2	836.1	832.0	835.3	833.7	844.2	839.3
12.5°	822.4	817.5	821.5	822.4	828.0	824.0	828.0	826.4	836.9	832.0
15°	809.4	807.0	811.0	812.7	818.3	815.1	819.1	817.5	828.8	822.4
17.5°	796.5	794.9	798.9	800.5	807.0	803.0	807.0	805.4	816.7	810.2
20°	780.3	779.5	783.6	786.0	791.7	787.6	792.5	790.8	803.0	796.5
22.5°	763.4	763.4	766.6	769.0	774.7	771.5	776.3	775.5	787.6	781.2
25°	744.8	745.6	748.8	752.1	758.5	756.1	760.2	760.2	771.5	763.4
27.5°	723.8	727.8	730.3	734.3	740.0	737.5	741.6	742.4	753.7	745.6
30°	702.0	707.6	710.1	714.9	719.8	719.8	723.8	725.4	736.7	728.6
32.5°	679.4	685.8	689.1	695.5	702.0	702.0	707.6	710.1	721.4	714.1
35°	656.8	665.6	669.7	677.8	684.2	685.0	690.7	693.9	705.2	697.9
37.5°	634.9	646.2	650.3	660.0	665.6	667.3	673.7	677.8	688.3	681.8
40°	612.3	626.1	630.9	641.4	646.2	649.5	655.9	660.8	670.5	664.8
42.5°	590.5	605.9	610.7	622.0	627.7	630.9	637.4	643.8	653.5	647.9
45°	568.7	585.7	591.3	603.4	608.3	613.1	620.4	626.1	634.9	630.1
47.5°	547.7	565.5	571.1	584.0	589.7	595.4	601.8	609.9	618.0	613.1
50°	525.9	544.5	551.7	565.5	570.3	576.8	584.9	592.1	600.2	596.2
52.5°	504.9	524.3	531.5	546.1	551.7	558.2	566.3	574.4	581.6	578.4
55°	482.3	503.3	511.3	526.7	532.3	538.8	547.7	556.6	563.0	560.6
57.5°	461.3	483.1	491.1	508.1	513.0	521.0	529.9	539.6	545.3	542.8
60°	440.3	462.1	471.8	488.7	494.4	502.5	511.3	521.8	526.7	525.1
62.5°	419.3	441.9	452.4	470.1	475.0	483.9	494.4	503.3	508.1	507.3
65°	399.9	421.7	433.8	451.6	456.4	466.1	475.8	485.5	490.3	490.3
67.5°	379.7	403.1	415.2	433.8	437.8	448.3	458.8	468.5	472.6	472.6
70°	361.1	383.7	397.4	416.0	420.1	429.8	441.1	451.6	454.8	455.6
72.5°	342.5	365.1	379.7	399.1	403.1	412.8	423.3	434.6	437.0	437.8
75°	324.7	347.4	361.9	381.3	385.3	395.0	406.3	416.8	420.1	420.9
77.5°	307.0	329.6	345.7	364.3	368.4	378.1	389.4	399.9	402.3	403.9
80°	290.8	312.6	328.0	348.2	352.2	361.9	372.4	382.9	384.5	386.9
82.5°	274.7	296.5	312.6	332.0	336.0	345.7	356.2	366.7	368.4	371.6
85°	259.3	281.1	297.3	315.9	320.7	329.6	340.9	350.6	352.2	354.6
87.5°	245.6	265.8	282.7	300.5	305.4	314.2	325.5	335.2	336.0	339.3
90°	231.0	251.2	268.2	286.0	290.8	298.9	310.2	319.9	321.5	323.9
92.5°	218.9	237.5	255.3	272.2	276.3	285.2	295.7	305.4	307.0	309.4
95°	206.0	224.6	242.3	258.5	262.5	271.4	281.1	290.8	292.4	294.9
97.5°	194.7	212.5	229.4	245.6	249.6	257.7	268.2	277.1	278.7	281.9
100°	184.2	201.1	218.9	233.5	237.5	245.6	255.3	264.2	265.8	269.0
102.5°	174.5	190.6	207.6	221.3	226.2	233.5	243.2	251.2	252.8	255.3
105°	165.6	180.9	197.1	210.0	214.9	222.1	231.0	239.1	240.7	243.2
107.5°	156.7	171.3	186.6	199.5	203.6	210.0	218.9	227.0	228.6	231.8
110°	148.6	163.2	177.7	189.8	194.7	199.5	208.4	215.7	217.3	219.7





TEST NUMBER: P893565  
 CATALOG NUMBER: 4MB-4SL-RNDU-UNV-L930

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	141.4	154.3	168.8	180.1	184.2	189.8	197.1	204.4	206.0	209.2
115°	134.9	147.0	161.6	172.1	175.3	180.1	188.2	194.7	196.3	198.7
117.5°	129.2	139.8	152.7	163.2	167.2	171.3	178.5	184.2	186.6	188.2
120°	124.4	134.1	145.4	155.1	159.9	163.2	169.6	175.3	177.7	179.3
122.5°	119.6	128.4	138.9	147.8	151.9	154.3	161.6	166.4	168.8	171.3
125°	115.5	123.6	133.3	140.6	144.6	147.0	153.5	158.3	160.8	162.4
127.5°	111.5	118.7	128.4	134.1	138.1	139.8	145.4	150.3	152.7	153.5
130°	107.4	114.7	122.8	128.4	131.7	134.1	138.9	142.2	144.6	145.4
132.5°	104.2	110.7	117.9	123.6	126.8	127.6	132.5	135.7	138.1	138.9
135°	101.8	106.6	113.9	118.7	121.2	122.8	126.8	129.2	131.7	132.5
137.5°	98.6	103.4	109.9	113.1	116.3	117.1	121.2	123.6	126.0	126.8
140°	96.1	100.2	105.8	109.1	112.3	112.3	115.5	117.9	120.4	120.4
142.5°	93.7	97.7	102.6	105.8	108.2	108.2	111.5	113.1	115.5	115.5
145°	90.5	94.5	99.4	101.8	104.2	104.2	106.6	108.2	110.7	110.7
147.5°	87.2	91.3	96.1	97.7	100.2	100.2	102.6	104.2	105.8	105.8
150°	83.2	86.4	92.1	94.5	96.9	96.9	98.6	100.2	101.8	101.8
152.5°	80.0	82.4	87.2	90.5	92.9	92.9	94.5	96.1	97.7	97.7
155°	75.9	78.4	82.4	86.4	88.9	89.7	91.3	92.1	93.7	93.7
157.5°	72.7	75.1	78.4	81.6	84.0	85.6	88.1	88.9	89.7	89.7
160°	68.7	70.3	73.5	76.7	79.2	80.8	84.8	85.6	86.4	86.4
162.5°	67.0	67.0	68.7	71.1	73.5	74.3	78.4	81.6	83.2	82.4
165°	67.9	67.0	67.0	67.9	69.5	70.3	72.7	77.5	79.2	78.4
167.5°	69.5	67.9	67.0	67.0	68.7	68.7	71.1	75.1	80.0	78.4
170°	69.5	67.0	65.4	65.4	66.2	66.2	67.9	70.3	75.1	75.9
172.5°	68.7	67.0	64.6	61.4	62.2	61.4	60.6	62.2	63.0	71.1
175°	69.5	67.0	64.6	60.6	59.0	56.5	52.5	49.3	48.5	39.6
177.5°	68.7	66.2	63.0	59.8	58.2	54.9	50.1	44.4	41.2	36.4
180°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4



TEST NUMBER: P893565  
 CATALOG NUMBER: 4MB-4SL-RNDU-UNV-L930

**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	13.18	14.49	13.82	15.16	15.92	16.72	18.03	17.37	18.70	19.47
	3H	14.53	15.73	15.18	16.40	17.20	19.64	20.84	20.30	21.51	22.32
	4H	14.93	16.07	15.61	16.76	17.57	21.12	22.26	21.79	22.94	23.76
	6H	15.15	16.21	15.84	16.91	17.74	22.68	23.74	23.36	24.43	25.26
	8H	15.18	16.20	15.88	16.92	17.75	23.48	24.50	24.18	25.22	26.05
	12H	15.19	16.16	15.89	16.87	17.74	24.36	25.34	25.07	26.05	26.91
4H	2H	14.32	15.46	15.00	16.15	16.96	17.04	18.18	17.72	18.87	19.68
	3H	15.96	16.94	16.65	17.66	18.50	20.19	21.17	20.88	21.89	22.73
	4H	16.53	17.43	17.24	18.16	19.02	21.84	22.74	22.55	23.47	24.33
	6H	16.87	17.67	17.60	18.42	19.29	23.62	24.41	24.34	25.16	26.03
	8H	16.95	17.70	17.67	18.45	19.33	24.55	25.30	25.28	26.05	26.93
	12H	16.97	17.66	17.72	18.43	19.32	25.57	26.26	26.32	27.03	27.92
8H	4H	17.62	18.37	18.34	19.12	20.00	22.02	22.77	22.74	23.52	24.40
	6H	18.23	18.87	18.98	19.66	20.54	23.97	24.61	24.72	25.40	26.28
	8H	18.43	19.00	19.19	19.79	20.69	25.05	25.63	25.82	26.42	27.32
	12H	18.54	19.06	19.31	19.83	20.79	26.27	26.79	27.04	27.57	28.52
12H	4H	17.97	18.66	18.72	19.43	20.32	22.01	22.70	22.76	23.47	24.36
	6H	18.75	19.33	19.52	20.12	21.02	24.00	24.58	24.77	25.37	26.27
	8H	19.08	19.60	19.85	20.38	21.33	25.15	25.66	25.92	26.44	27.40