

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: P893339

Luminaire Tested: 4MB-2SL-RNDU-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893339
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-2SL-RNDU-UNV-L840
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4
Light Source: -
Ballast/Driver: -

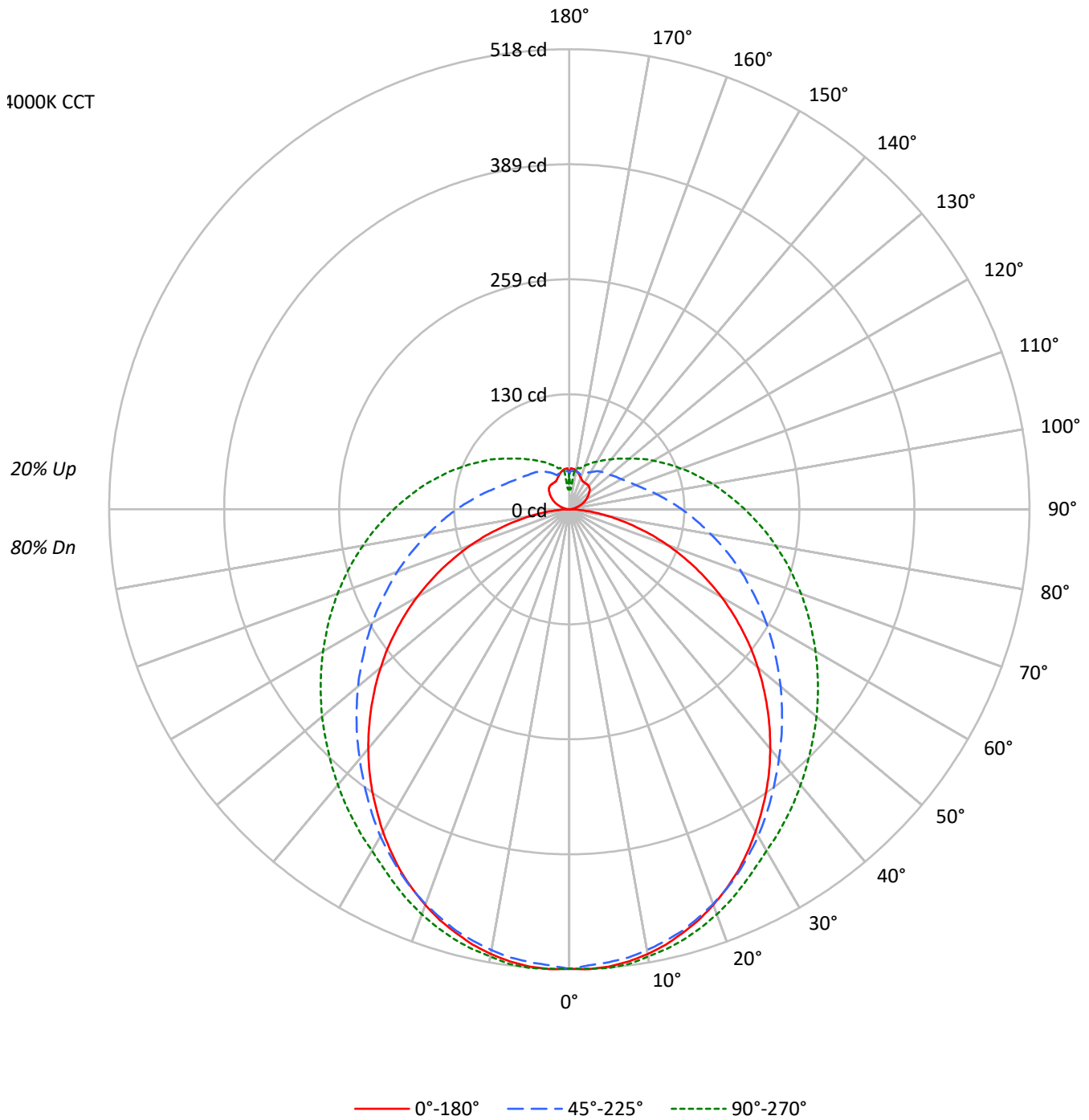
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2176.0 lumens
Efficiency: N/A
Efficacy: 157.7 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): 13.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P893339
CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

Luminous Intensity Polar Plot





TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

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°	3681	3681	3681
5°	3675	3525	3532
10°	3640	3388	3369
15°	3586	3249	3219
20°	3522	3102	3064
25°	3444	2955	2909
30°	3345	2806	2771
35°	3242	2654	2670
40°	3132	2515	2577
45°	3012	2392	2495
50°	2887	2283	2433
55°	2745	2182	2377
60°	2582	2099	2336
65°	2384	2026	2313
70°	2139	1980	2305
75°	1812	1948	2316
80°	1415	1947	2352
85°	904	1998	2429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3012 cd/sqm



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.9	2.2
10°-20°	139.6	6.4
20°-30°	209.5	9.6
30°-40°	252.0	11.6
40°-50°	267.0	12.3
50°-60°	257.1	11.8
60°-70°	227.5	10.5
70°-80°	186.6	8.6
80°-90°	144.8	6.7
90°-100°	112.4	5.2
100°-110°	89.1	4.1
110°-120°	70.9	3.3
120°-130°	56.4	2.6
130°-140°	44.0	2.0
140°-150°	32.4	1.5
150°-160°	21.4	1.0
160°-170°	12.3	0.6
170°-180°	4.0	0.2
0°-30°	398.1	18.3
0°-40°	650.0	29.9
0°-60°	1174.1	54.0
0°-90°	1733.1	79.6
90°-120°	272.4	12.5
90°-150°	405.2	18.6
90°-180°	443.0	20.4
0°-180°	2176.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	517	517	517	517	517	
5°	517	517	512	516	518	49
15°	494	494	491	499	501	139
25°	449	451	451	462	465	207
35°	387	392	396	417	425	242
45°	315	322	339	371	384	243
55°	238	250	282	324	342	213
65°	158	179	230	278	299	156
75°	79	118	183	235	256	84
85°	18	71	143	195	216	20
90°	0	56	126	177	197	1
95°	2	46	112	160	180	3
105°	9	37	88	131	148	9
115°	18	36	73	107	121	17
125°	26	37	64	88	99	23
135°	32	40	58	74	81	25
145°	34	39	52	64	67	22
155°	35	41	45	54	57	16
165°	41	44	42	42	48	12
175°	46	45	43	36	24	4
180°	40	40	40	40	40	



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	518.3	517.8	518.8	519.8	522.8	518.8	520.8	515.4	515.9	516.4	513.9
5°	516.9	515.4	516.9	517.8	520.3	517.3	519.3	513.4	513.9	514.9	511.9
7.5°	513.4	511.9	512.9	513.9	516.4	513.4	515.9	510.0	510.9	511.4	509.0
10°	508.5	506.5	507.5	509.0	510.9	508.5	510.5	505.0	505.5	506.5	504.1
12.5°	502.1	500.1	501.1	502.1	504.5	502.1	504.1	498.6	499.6	500.6	498.1
15°	493.7	491.8	492.7	493.7	495.7	494.2	496.2	490.8	491.8	493.7	491.3
17.5°	484.9	481.9	482.9	484.4	486.3	485.4	486.8	482.4	482.9	484.9	482.4
20°	474.0	471.1	472.1	473.5	475.5	475.0	476.0	472.1	473.0	475.5	473.0
22.5°	462.2	459.3	460.2	462.2	463.7	463.7	464.2	461.2	462.2	464.7	462.7
25°	449.4	446.5	447.4	449.4	450.9	450.9	451.9	448.9	450.4	452.9	450.9
27.5°	434.7	433.2	433.2	435.1	436.1	437.1	437.6	435.1	437.1	439.6	438.1
30°	419.4	417.4	418.4	420.9	420.9	422.8	422.8	420.9	423.3	426.3	425.3
32.5°	403.1	401.7	402.2	405.1	405.1	407.6	407.1	406.1	408.6	412.0	411.0
35°	386.9	385.4	385.9	388.9	388.9	391.8	390.8	390.8	393.3	397.2	396.3
37.5°	369.7	368.7	369.2	372.1	372.1	375.1	374.1	374.6	377.6	382.0	381.5
40°	352.0	351.0	352.0	354.4	355.4	357.9	356.9	357.9	361.8	365.7	367.2
42.5°	333.7	333.2	334.2	336.7	337.7	340.1	339.6	341.1	345.1	351.0	352.9
45°	315.0	315.0	316.0	318.5	319.5	322.4	321.9	323.9	328.8	335.2	338.7
47.5°	296.3	296.8	297.3	300.3	300.3	305.2	303.7	306.7	313.1	320.5	324.4
50°	277.1	278.1	278.6	281.1	282.1	286.5	285.5	290.4	297.3	305.2	310.6
52.5°	257.9	258.9	259.9	261.9	262.9	268.3	267.3	273.7	282.1	290.4	296.3
55°	237.8	239.7	240.2	242.7	244.2	249.6	249.6	257.0	265.8	275.2	282.5
57.5°	218.1	220.0	220.5	223.5	225.4	231.8	232.8	241.2	251.0	260.4	269.3
60°	197.9	200.3	200.8	203.8	207.2	214.1	215.6	225.0	235.8	245.6	256.0
62.5°	177.7	180.2	181.1	184.1	189.5	196.4	198.9	209.7	221.0	231.8	243.2
65°	157.5	160.0	161.5	165.4	171.8	179.2	182.6	193.9	206.7	218.1	229.9
67.5°	137.3	140.3	142.3	147.2	155.5	163.4	166.9	179.7	193.0	205.3	217.6
70°	117.6	120.6	123.1	129.5	139.3	147.2	151.6	165.4	179.2	192.5	206.2
72.5°	98.4	101.4	104.8	112.7	123.6	132.4	137.3	151.6	166.9	180.2	194.4
75°	78.8	82.2	86.1	97.0	109.3	118.1	123.6	138.8	154.6	167.9	183.1
77.5°	61.0	64.5	70.4	81.2	95.0	104.8	110.8	127.0	143.2	156.5	172.3
80°	44.8	48.2	56.1	67.9	82.2	91.6	98.9	115.7	132.4	146.2	161.9
82.5°	30.5	34.0	43.3	56.1	71.4	80.7	87.6	105.3	122.1	136.4	152.1
85°	17.7	22.6	32.5	46.3	62.0	71.4	78.3	96.5	112.7	127.0	143.2
87.5°	7.9	13.8	24.6	38.4	54.1	63.0	70.4	87.1	104.4	118.6	134.9
90°	0.5	7.9	19.2	32.5	47.7	56.1	63.0	79.7	96.0	110.8	126.5
92.5°	1.0	5.4	15.8	28.1	42.3	50.7	57.6	73.3	88.6	103.9	119.1
95°	2.5	5.4	13.8	25.1	38.4	46.3	52.7	67.9	82.2	97.0	111.7
97.5°	3.9	5.9	13.3	23.6	35.4	42.8	48.7	63.0	77.3	90.6	105.3
100°	5.4	7.4	13.3	22.6	33.5	40.4	45.8	59.1	72.4	84.7	99.4
102.5°	6.9	8.9	14.3	22.6	32.5	38.4	43.8	56.1	68.4	79.7	93.5
105°	8.9	10.3	15.3	22.6	31.5	37.4	41.8	53.2	65.0	75.8	88.1
107.5°	10.8	11.8	16.2	23.1	31.5	36.4	40.9	51.2	62.0	71.9	83.7
110°	13.3	13.8	17.7	24.1	31.5	35.9	39.9	49.7	59.6	68.9	79.7



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.3	15.3	19.2	25.1	31.5	35.9	39.4	48.2	57.6	66.0	76.3
115°	17.7	17.7	20.7	26.1	32.0	35.9	39.4	47.7	56.1	63.5	73.3
117.5°	19.7	19.7	22.6	27.1	33.0	36.4	39.4	46.8	54.6	61.5	70.4
120°	21.7	21.7	23.6	28.1	33.5	36.9	39.4	46.3	53.2	60.1	67.9
122.5°	23.6	23.6	25.1	29.5	34.0	36.9	39.4	45.8	52.2	58.1	65.5
125°	25.6	25.6	26.6	30.5	34.9	37.4	39.9	45.8	51.7	56.6	64.0
127.5°	27.6	27.1	28.6	32.0	35.4	37.9	40.4	45.8	50.7	55.6	62.0
130°	29.0	28.6	30.5	33.0	36.4	38.4	40.4	45.3	50.2	54.6	60.1
132.5°	31.0	30.0	32.5	33.5	37.4	39.4	40.9	45.3	49.7	53.7	59.1
135°	32.5	31.5	34.0	34.9	37.9	39.9	41.3	45.3	49.2	53.2	57.6
137.5°	33.5	33.0	35.4	36.4	38.4	40.4	41.8	45.3	48.7	52.2	56.6
140°	34.0	33.5	35.4	37.4	38.4	40.4	41.3	44.8	48.2	51.2	55.1
142.5°	34.5	34.5	35.9	37.9	38.4	39.9	41.3	44.3	47.3	49.7	54.1
145°	34.5	34.5	35.9	38.4	38.9	39.4	40.4	43.3	45.8	48.2	52.2
147.5°	34.5	34.5	36.4	38.4	39.4	39.9	39.4	42.3	44.8	46.8	50.2
150°	34.5	34.5	36.4	38.4	39.9	40.4	39.9	41.3	43.3	45.3	48.2
152.5°	34.9	34.9	36.4	38.4	39.9	40.4	40.4	40.4	41.8	43.8	46.8
155°	34.9	35.4	36.4	39.4	40.4	40.9	40.9	40.9	40.4	42.3	44.8
157.5°	36.4	36.9	37.4	39.9	40.9	41.3	41.3	41.3	40.9	40.4	42.8
160°	37.9	38.4	38.9	40.9	41.8	42.3	42.3	42.3	41.3	40.9	40.9
162.5°	39.4	40.4	40.4	41.3	42.3	42.8	42.8	43.3	42.3	41.8	41.3
165°	41.3	41.8	41.8	42.3	43.3	43.8	43.3	43.8	43.3	42.8	42.3
167.5°	42.8	43.3	43.3	43.8	43.8	44.3	44.3	44.3	43.8	43.3	43.3
170°	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.3	43.3	43.3
172.5°	45.3	45.8	45.8	45.3	45.3	45.3	45.3	44.8	43.8	43.3	43.3
175°	45.8	46.3	46.3	45.8	45.3	45.3	45.3	44.8	43.8	43.3	43.3
177.5°	46.3	46.8	46.3	46.3	45.3	45.3	45.3	45.3	44.3	43.8	43.3
180°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3	517.3
2.5°	516.9	510.9	514.9	515.4	517.3	515.4	516.9	515.4	519.3	517.8
5°	514.9	509.5	512.9	513.4	515.9	513.4	515.9	514.9	519.8	518.3
7.5°	511.4	507.0	510.0	510.5	513.4	510.9	513.4	512.4	518.3	516.4
10°	506.5	503.1	506.0	506.5	509.5	507.0	509.0	508.0	514.4	511.4
12.5°	501.1	498.1	500.6	501.1	504.5	502.1	504.5	503.6	510.0	507.0
15°	493.2	491.8	494.2	495.2	498.6	496.7	499.1	498.1	505.0	501.1
17.5°	485.4	484.4	486.8	487.8	491.8	489.3	491.8	490.8	497.7	493.7
20°	475.5	475.0	477.5	479.0	482.4	479.9	482.9	481.9	489.3	485.4
22.5°	465.2	465.2	467.1	468.6	472.1	470.1	473.0	472.6	479.9	476.0
25°	453.8	454.3	456.3	458.3	462.2	460.7	463.2	463.2	470.1	465.2
27.5°	441.0	443.5	445.0	447.4	450.9	449.4	451.9	452.4	459.3	454.3
30°	427.8	431.2	432.7	435.6	438.6	438.6	441.0	442.0	448.9	444.0
32.5°	414.0	417.9	419.9	423.8	427.8	427.8	431.2	432.7	439.6	435.1
35°	400.2	405.6	408.1	413.0	416.9	417.4	420.9	422.8	429.7	425.3
37.5°	386.9	393.8	396.3	402.2	405.6	406.6	410.5	413.0	419.4	415.5
40°	373.1	381.5	384.4	390.8	393.8	395.8	399.7	402.7	408.6	405.1
42.5°	359.8	369.2	372.1	379.0	382.5	384.4	388.4	392.3	398.2	394.8
45°	346.5	356.9	360.3	367.7	370.7	373.6	378.0	381.5	386.9	383.9
47.5°	333.7	344.6	348.0	355.9	359.3	362.8	366.7	371.6	376.6	373.6
50°	320.5	331.8	336.2	344.6	347.5	351.5	356.4	360.8	365.7	363.3
52.5°	307.7	319.5	323.9	332.8	336.2	340.1	345.1	350.0	354.4	352.4
55°	293.9	306.7	311.6	320.9	324.4	328.3	333.7	339.2	343.1	341.6
57.5°	281.1	294.4	299.3	309.6	312.6	317.5	322.9	328.8	332.3	330.8
60°	268.3	281.6	287.5	297.8	301.3	306.2	311.6	318.0	320.9	320.0
62.5°	255.5	269.3	275.7	286.5	289.4	294.9	301.3	306.7	309.6	309.1
65°	243.7	257.0	264.3	275.2	278.1	284.0	289.9	295.8	298.8	298.8
67.5°	231.4	245.6	253.0	264.3	266.8	273.2	279.6	285.5	288.0	288.0
70°	220.0	233.8	242.2	253.5	256.0	261.9	268.8	275.2	277.1	277.6
72.5°	208.7	222.5	231.4	243.2	245.6	251.5	257.9	264.8	266.3	266.8
75°	197.9	211.7	220.5	232.3	234.8	240.7	247.6	254.0	256.0	256.5
77.5°	187.1	200.8	210.7	222.0	224.5	230.4	237.3	243.7	245.1	246.1
80°	177.2	190.5	199.9	212.2	214.6	220.5	226.9	233.3	234.3	235.8
82.5°	167.4	180.7	190.5	202.3	204.8	210.7	217.1	223.5	224.5	226.4
85°	158.0	171.3	181.1	192.5	195.4	200.8	207.7	213.6	214.6	216.1
87.5°	149.6	161.9	172.3	183.1	186.1	191.5	198.4	204.3	204.8	206.7
90°	140.8	153.1	163.4	174.3	177.2	182.1	189.0	194.9	195.9	197.4
92.5°	133.4	144.7	155.5	165.9	168.3	173.8	180.2	186.1	187.1	188.5
95°	125.5	136.8	147.7	157.5	160.0	165.4	171.3	177.2	178.2	179.7
97.5°	118.6	129.5	139.8	149.6	152.1	157.0	163.4	168.8	169.8	171.8
100°	112.2	122.6	133.4	142.3	144.7	149.6	155.5	161.0	161.9	163.9
102.5°	106.3	116.2	126.5	134.9	137.8	142.3	148.2	153.1	154.1	155.5
105°	100.9	110.3	120.1	128.0	130.9	135.4	140.8	145.7	146.7	148.2
107.5°	95.5	104.4	113.7	121.6	124.0	128.0	133.4	138.3	139.3	141.3
110°	90.6	99.4	108.3	115.7	118.6	121.6	127.0	131.4	132.4	133.9



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	86.1	94.0	102.9	109.8	112.2	115.7	120.1	124.5	125.5	127.5
115°	82.2	89.6	98.4	104.8	106.8	109.8	114.7	118.6	119.6	121.1
117.5°	78.8	85.2	93.0	99.4	101.9	104.4	108.8	112.2	113.7	114.7
120°	75.8	81.7	88.6	94.5	97.5	99.4	103.4	106.8	108.3	109.3
122.5°	72.9	78.3	84.7	90.1	92.5	94.0	98.4	101.4	102.9	104.4
125°	70.4	75.3	81.2	85.7	88.1	89.6	93.5	96.5	98.0	98.9
127.5°	67.9	72.4	78.3	81.7	84.2	85.2	88.6	91.6	93.0	93.5
130°	65.5	69.9	74.8	78.3	80.2	81.7	84.7	86.6	88.1	88.6
132.5°	63.5	67.4	71.9	75.3	77.3	77.8	80.7	82.7	84.2	84.7
135°	62.0	65.0	69.4	72.4	73.8	74.8	77.3	78.8	80.2	80.7
137.5°	60.1	63.0	66.9	68.9	70.9	71.4	73.8	75.3	76.8	77.3
140°	58.6	61.0	64.5	66.5	68.4	68.4	70.4	71.9	73.3	73.3
142.5°	57.1	59.6	62.5	64.5	66.0	66.0	67.9	68.9	70.4	70.4
145°	55.1	57.6	60.5	62.0	63.5	63.5	65.0	66.0	67.4	67.4
147.5°	53.2	55.6	58.6	59.6	61.0	61.0	62.5	63.5	64.5	64.5
150°	50.7	52.7	56.1	57.6	59.1	59.1	60.1	61.0	62.0	62.0
152.5°	48.7	50.2	53.2	55.1	56.6	56.6	57.6	58.6	59.6	59.6
155°	46.3	47.7	50.2	52.7	54.1	54.6	55.6	56.1	57.1	57.1
157.5°	44.3	45.8	47.7	49.7	51.2	52.2	53.7	54.1	54.6	54.6
160°	41.8	42.8	44.8	46.8	48.2	49.2	51.7	52.2	52.7	52.7
162.5°	40.9	40.9	41.8	43.3	44.8	45.3	47.7	49.7	50.7	50.2
165°	41.3	40.9	40.9	41.3	42.3	42.8	44.3	47.3	48.2	47.7
167.5°	42.3	41.3	40.9	40.9	41.8	41.8	43.3	45.8	48.7	47.7
170°	42.3	40.9	39.9	39.9	40.4	40.4	41.3	42.8	45.8	46.3
172.5°	41.8	40.9	39.4	37.4	37.9	37.4	36.9	37.9	38.4	43.3
175°	42.3	40.9	39.4	36.9	35.9	34.5	32.0	30.0	29.5	24.1
177.5°	41.8	40.4	38.4	36.4	35.4	33.5	30.5	27.1	25.1	22.2
180°	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9



TEST NUMBER: P893339
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L840

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	11.46	12.77	12.10	13.43	14.20	15.00	16.31	15.65	16.98	17.75
	3H	12.81	14.01	13.46	14.68	15.48	17.92	19.12	18.58	19.79	20.60
	4H	13.21	14.35	13.88	15.04	15.85	19.40	20.54	20.07	21.22	22.04
	6H	13.43	14.49	14.11	15.19	16.02	20.95	22.02	21.64	22.71	23.54
	8H	13.46	14.48	14.16	15.20	16.03	21.76	22.78	22.46	23.50	24.33
	12H	13.46	14.44	14.17	15.15	16.02	22.64	23.62	23.35	24.33	25.19
4H	2H	12.60	13.74	13.27	14.43	15.24	15.32	16.46	16.00	17.15	17.96
	3H	14.24	15.22	14.93	15.94	16.78	18.47	19.45	19.16	20.17	21.01
	4H	14.81	15.71	15.52	16.44	17.30	20.12	21.02	20.83	21.75	22.61
	6H	15.15	15.95	15.87	16.70	17.57	21.89	22.69	22.62	23.44	24.31
	8H	15.23	15.98	15.95	16.72	17.61	22.83	23.58	23.55	24.33	25.21
	12H	15.25	15.94	16.00	16.71	17.60	23.85	24.54	24.60	25.31	26.20
8H	4H	15.90	16.65	16.62	17.40	18.28	20.30	21.05	21.02	21.80	22.68
	6H	16.51	17.15	17.26	17.93	18.82	22.25	22.89	23.00	23.68	24.56
	8H	16.70	17.28	17.47	18.07	18.97	23.33	23.91	24.10	24.70	25.60
	12H	16.82	17.33	17.59	18.11	19.07	24.55	25.07	25.32	25.85	26.80
12H	4H	16.25	16.94	17.00	17.71	18.60	20.29	20.98	21.04	21.75	22.64
	6H	17.03	17.61	17.79	18.40	19.29	22.28	22.86	23.04	23.65	24.55
	8H	17.36	17.88	18.13	18.65	19.61	23.43	23.94	24.20	24.72	25.68