

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: P893344

Luminaire Tested: 4MB-2SL-RNDU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893344
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-L950
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

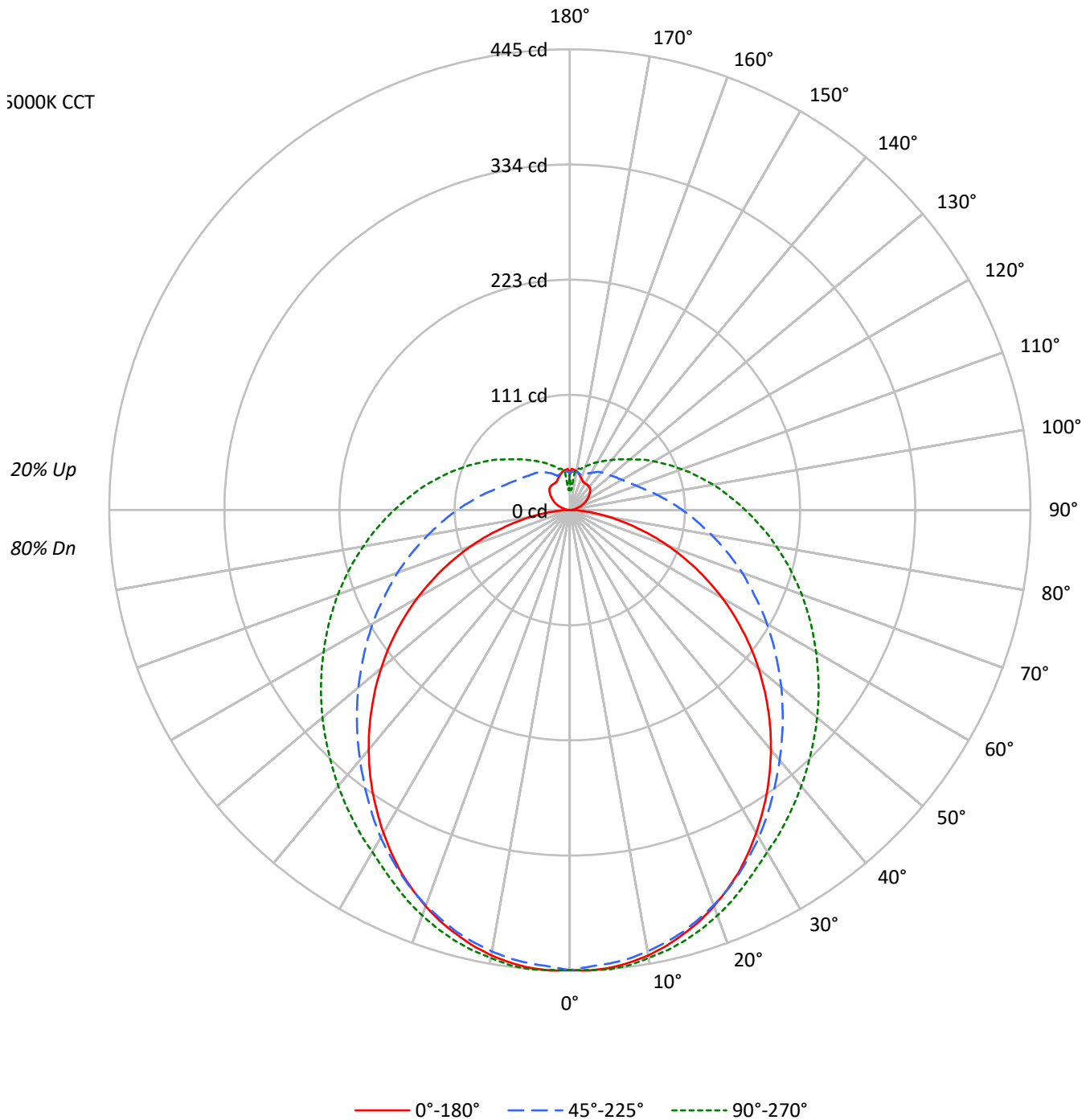
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1869.0 lumens
Efficiency: N/A
Efficacy: 135.4 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: P893344
CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

Luminous Intensity Polar Plot





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CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

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	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°	3162	3162	3162
5°	3156	3028	3034
10°	3126	2910	2894
15°	3081	2790	2764
20°	3026	2665	2632
25°	2958	2538	2498
30°	2872	2410	2380
35°	2784	2279	2293
40°	2690	2160	2214
45°	2587	2055	2144
50°	2480	1961	2089
55°	2357	1874	2042
60°	2218	1803	2006
65°	2048	1740	1986
70°	1837	1702	1980
75°	1555	1673	1989
80°	1216	1673	2020
85°	776	1716	2086

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2587 cd/sqm



TEST NUMBER: P893344
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	2.2
10°-20°	119.9	6.4
20°-30°	180.0	9.6
30°-40°	216.4	11.6
40°-50°	229.3	12.3
50°-60°	220.8	11.8
60°-70°	195.4	10.5
70°-80°	160.3	8.6
80°-90°	124.4	6.7
90°-100°	96.5	5.2
100°-110°	76.5	4.1
110°-120°	60.9	3.3
120°-130°	48.4	2.6
130°-140°	37.8	2.0
140°-150°	27.8	1.5
150°-160°	18.4	1.0
160°-170°	10.6	0.6
170°-180°	3.4	0.2
0°-30°	341.9	18.3
0°-40°	558.3	29.9
0°-60°	1008.5	54.0
0°-90°	1488.6	79.6
90°-120°	234.0	12.5
90°-150°	348.0	18.6
90°-180°	380.0	20.3
0°-180°	1869.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	444	444	444	444	444	
5°	444	444	440	443	445	42
15°	424	424	422	428	430	120
25°	386	387	387	397	400	178
35°	332	336	340	358	365	208
45°	271	277	291	318	330	209
55°	204	214	243	279	293	183
65°	135	154	197	239	257	134
75°	68	102	157	202	220	72
85°	15	61	123	168	186	17
90°	0	48	109	152	170	1
95°	2	40	96	137	154	2
105°	8	32	76	112	127	8
115°	15	31	63	92	104	15
125°	22	32	55	76	85	20
135°	28	34	50	63	69	21
145°	30	34	45	54	58	19
155°	30	35	38	46	49	14
165°	36	38	36	36	41	10
175°	39	39	37	31	21	4
180°	34	34	34	34	34	



TEST NUMBER: P893344

CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	445.2	444.8	445.6	446.5	449.0	445.6	447.3	442.7	443.1	443.5	441.4
5°	443.9	442.7	443.9	444.8	446.9	444.4	446.0	441.0	441.4	442.2	439.7
7.5°	441.0	439.7	440.6	441.4	443.5	441.0	443.1	438.0	438.9	439.3	437.2
10°	436.7	435.1	435.9	437.2	438.9	436.7	438.4	433.8	434.2	435.1	432.9
12.5°	431.3	429.6	430.4	431.3	433.4	431.3	432.9	428.3	429.1	430.0	427.9
15°	424.1	422.4	423.2	424.1	425.8	424.5	426.2	421.5	422.4	424.1	421.9
17.5°	416.5	413.9	414.8	416.0	417.7	416.9	418.1	414.3	414.8	416.5	414.3
20°	407.2	404.6	405.5	406.7	408.4	408.0	408.8	405.5	406.3	408.4	406.3
22.5°	397.0	394.5	395.3	397.0	398.3	398.3	398.7	396.2	397.0	399.1	397.4
25°	386.0	383.5	384.3	386.0	387.3	387.3	388.1	385.6	386.9	389.0	387.3
27.5°	373.3	372.1	372.1	373.8	374.6	375.4	375.9	373.8	375.4	377.6	376.3
30°	360.2	358.5	359.4	361.5	361.5	363.2	363.2	361.5	363.6	366.1	365.3
32.5°	346.3	345.0	345.4	348.0	348.0	350.1	349.7	348.8	350.9	353.9	353.0
35°	332.3	331.0	331.5	334.0	334.0	336.5	335.7	335.7	337.8	341.2	340.4
37.5°	317.5	316.7	317.1	319.6	319.6	322.2	321.3	321.7	324.3	328.1	327.7
40°	302.3	301.5	302.3	304.4	305.3	307.4	306.5	307.4	310.8	314.1	315.4
42.5°	286.7	286.2	287.1	289.2	290.0	292.2	291.7	293.0	296.4	301.5	303.1
45°	270.6	270.6	271.4	273.5	274.4	276.9	276.5	278.2	282.4	287.9	290.9
47.5°	254.5	254.9	255.4	257.9	257.9	262.1	260.9	263.4	268.9	275.2	278.6
50°	238.0	238.9	239.3	241.4	242.3	246.1	245.2	249.4	255.4	262.1	266.8
52.5°	221.5	222.4	223.2	224.9	225.8	230.4	229.6	235.1	242.3	249.4	254.5
55°	204.2	205.9	206.3	208.4	209.7	214.4	214.4	220.7	228.3	236.3	242.7
57.5°	187.3	189.0	189.4	191.9	193.6	199.1	200.0	207.2	215.6	223.7	231.3
60°	170.0	172.1	172.5	175.0	178.0	183.9	185.2	193.2	202.5	211.0	219.9
62.5°	152.6	154.7	155.6	158.1	162.8	168.7	170.8	180.1	189.8	199.1	208.9
65°	135.3	137.4	138.7	142.1	147.6	153.9	156.9	166.6	177.6	187.3	197.4
67.5°	118.0	120.5	122.2	126.4	133.6	140.4	143.3	154.3	165.7	176.3	186.9
70°	101.0	103.6	105.7	111.2	119.7	126.4	130.2	142.1	153.9	165.3	177.2
72.5°	84.6	87.1	90.1	96.8	106.1	113.7	118.0	130.2	143.3	154.7	167.0
75°	67.6	70.6	74.0	83.3	93.9	101.5	106.1	119.2	132.8	144.2	157.3
77.5°	52.4	55.4	60.5	69.8	81.6	90.1	95.1	109.1	123.0	134.4	148.0
80°	38.5	41.4	48.2	58.3	70.6	78.6	85.0	99.4	113.7	125.6	139.1
82.5°	26.2	29.2	37.2	48.2	61.3	69.3	75.3	90.5	104.9	117.1	130.6
85°	15.2	19.4	27.9	39.7	53.3	61.3	67.2	82.9	96.8	109.1	123.0
87.5°	6.8	11.8	21.1	33.0	46.5	54.1	60.5	74.8	89.6	101.9	115.8
90°	0.4	6.8	16.5	27.9	41.0	48.2	54.1	68.5	82.4	95.1	108.7
92.5°	0.8	4.7	13.5	24.1	36.4	43.5	49.5	63.0	76.1	89.2	102.3
95°	2.1	4.7	11.8	21.6	33.0	39.7	45.2	58.3	70.6	83.3	96.0
97.5°	3.4	5.1	11.4	20.3	30.4	36.8	41.9	54.1	66.4	77.8	90.5
100°	4.7	6.3	11.4	19.4	28.8	34.7	39.3	50.7	62.2	72.7	85.4
102.5°	5.9	7.6	12.3	19.4	27.9	33.0	37.6	48.2	58.8	68.5	80.3
105°	7.6	8.9	13.1	19.4	27.1	32.1	35.9	45.7	55.8	65.1	75.7
107.5°	9.3	10.1	14.0	19.9	27.1	31.3	35.1	44.0	53.3	61.7	71.9
110°	11.4	11.8	15.2	20.7	27.1	30.9	34.2	42.7	51.2	59.2	68.5



TEST NUMBER: P893344

CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.1	13.1	16.5	21.6	27.1	30.9	33.8	41.4	49.5	56.7	65.5
115°	15.2	15.2	17.8	22.4	27.5	30.9	33.8	41.0	48.2	54.5	63.0
117.5°	16.9	16.9	19.4	23.3	28.3	31.3	33.8	40.2	46.9	52.8	60.5
120°	18.6	18.6	20.3	24.1	28.8	31.7	33.8	39.7	45.7	51.6	58.3
122.5°	20.3	20.3	21.6	25.4	29.2	31.7	33.8	39.3	44.8	49.9	56.2
125°	22.0	22.0	22.8	26.2	30.0	32.1	34.2	39.3	44.4	48.6	55.0
127.5°	23.7	23.3	24.5	27.5	30.4	32.6	34.7	39.3	43.5	47.8	53.3
130°	24.9	24.5	26.2	28.3	31.3	33.0	34.7	38.9	43.1	46.9	51.6
132.5°	26.6	25.8	27.9	28.8	32.1	33.8	35.1	38.9	42.7	46.1	50.7
135°	27.9	27.1	29.2	30.0	32.6	34.2	35.5	38.9	42.3	45.7	49.5
137.5°	28.8	28.3	30.4	31.3	33.0	34.7	35.9	38.9	41.9	44.8	48.6
140°	29.2	28.8	30.4	32.1	33.0	34.7	35.5	38.5	41.4	44.0	47.4
142.5°	29.6	29.6	30.9	32.6	33.0	34.2	35.5	38.1	40.6	42.7	46.5
145°	29.6	29.6	30.9	33.0	33.4	33.8	34.7	37.2	39.3	41.4	44.8
147.5°	29.6	29.6	31.3	33.0	33.8	34.2	33.8	36.4	38.5	40.2	43.1
150°	29.6	29.6	31.3	33.0	34.2	34.7	34.2	35.5	37.2	38.9	41.4
152.5°	30.0	30.0	31.3	33.0	34.2	34.7	34.7	34.7	35.9	37.6	40.2
155°	30.0	30.4	31.3	33.8	34.7	35.1	35.1	35.1	34.7	36.4	38.5
157.5°	31.3	31.7	32.1	34.2	35.1	35.5	35.5	35.5	35.1	34.7	36.8
160°	32.6	33.0	33.4	35.1	35.9	36.4	36.4	36.4	35.5	35.1	35.1
162.5°	33.8	34.7	34.7	35.5	36.4	36.8	36.8	37.2	36.4	35.9	35.5
165°	35.5	35.9	35.9	36.4	37.2	37.6	37.2	37.6	37.2	36.8	36.4
167.5°	36.8	37.2	37.2	37.6	37.6	38.1	38.1	38.1	37.6	37.2	37.2
170°	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.1	37.2	37.2
172.5°	38.9	39.3	39.3	38.9	38.9	38.9	38.9	38.5	37.6	37.2	37.2
175°	39.3	39.7	39.7	39.3	38.9	38.9	38.9	38.5	37.6	37.2	37.2
177.5°	39.7	40.2	39.7	39.7	38.9	38.9	38.9	38.9	38.1	37.6	37.2
180°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	443.9	438.9	442.2	442.7	444.4	442.7	443.9	442.7	446.0	444.8
5°	442.2	437.6	440.6	441.0	443.1	441.0	443.1	442.2	446.5	445.2
7.5°	439.3	435.5	438.0	438.4	441.0	438.9	441.0	440.1	445.2	443.5
10°	435.1	432.1	434.6	435.1	437.6	435.5	437.2	436.3	441.8	439.3
12.5°	430.4	427.9	430.0	430.4	433.4	431.3	433.4	432.5	438.0	435.5
15°	423.6	422.4	424.5	425.3	428.3	426.6	428.7	427.9	433.8	430.4
17.5°	416.9	416.0	418.1	419.0	422.4	420.3	422.4	421.5	427.4	424.1
20°	408.4	408.0	410.1	411.4	414.3	412.2	414.8	413.9	420.3	416.9
22.5°	399.5	399.5	401.2	402.5	405.5	403.8	406.3	405.9	412.2	408.8
25°	389.8	390.2	391.9	393.6	397.0	395.7	397.9	397.9	403.8	399.5
27.5°	378.8	380.9	382.2	384.3	387.3	386.0	388.1	388.5	394.5	390.2
30°	367.4	370.4	371.6	374.2	376.7	376.7	378.8	379.7	385.6	381.4
32.5°	355.6	359.0	360.6	364.0	367.4	367.4	370.4	371.6	377.6	373.8
35°	343.7	348.4	350.5	354.7	358.1	358.5	361.5	363.2	369.1	365.3
37.5°	332.3	338.2	340.4	345.4	348.4	349.2	352.6	354.7	360.2	356.8
40°	320.5	327.7	330.2	335.7	338.2	339.9	343.3	345.8	350.9	348.0
42.5°	309.1	317.1	319.6	325.6	328.5	330.2	333.6	337.0	342.0	339.1
45°	297.6	306.5	309.5	315.8	318.4	320.9	324.7	327.7	332.3	329.8
47.5°	286.7	296.0	298.9	305.7	308.6	311.6	315.0	319.2	323.4	320.9
50°	275.2	285.0	288.8	296.0	298.5	301.9	306.1	309.9	314.1	312.0
52.5°	264.2	274.4	278.2	285.8	288.8	292.2	296.4	300.6	304.4	302.7
55°	252.4	263.4	267.6	275.7	278.6	282.0	286.7	291.3	294.7	293.4
57.5°	241.4	252.8	257.1	265.9	268.5	272.7	277.4	282.4	285.4	284.1
60°	230.4	241.8	246.9	255.8	258.8	263.0	267.6	273.1	275.7	274.8
62.5°	219.4	231.3	236.8	246.1	248.6	253.3	258.8	263.4	265.9	265.5
65°	209.3	220.7	227.0	236.3	238.9	244.0	249.0	254.1	256.6	256.6
67.5°	198.7	211.0	217.3	227.0	229.2	234.7	240.1	245.2	247.3	247.3
70°	189.0	200.8	208.0	217.7	219.9	224.9	230.8	236.3	238.0	238.5
72.5°	179.3	191.1	198.7	208.9	211.0	216.0	221.5	227.5	228.7	229.2
75°	170.0	181.8	189.4	199.6	201.7	206.7	212.7	218.2	219.9	220.3
77.5°	160.7	172.5	181.0	190.7	192.8	197.9	203.8	209.3	210.6	211.4
80°	152.2	163.6	171.7	182.2	184.3	189.4	194.9	200.4	201.3	202.5
82.5°	143.8	155.2	163.6	173.8	175.9	181.0	186.5	191.9	192.8	194.5
85°	135.7	147.1	155.6	165.3	167.8	172.5	178.4	183.5	184.3	185.6
87.5°	128.5	139.1	148.0	157.3	159.8	164.5	170.4	175.5	175.9	177.6
90°	120.9	131.5	140.4	149.7	152.2	156.4	162.4	167.4	168.3	169.5
92.5°	114.6	124.3	133.6	142.5	144.6	149.2	154.7	159.8	160.7	161.9
95°	107.8	117.5	126.8	135.3	137.4	142.1	147.1	152.2	153.1	154.3
97.5°	101.9	111.2	120.1	128.5	130.6	134.9	140.4	145.0	145.9	147.6
100°	96.4	105.3	114.6	122.2	124.3	128.5	133.6	138.3	139.1	140.8
102.5°	91.3	99.8	108.7	115.8	118.4	122.2	127.3	131.5	132.3	133.6
105°	86.7	94.7	103.2	109.9	112.5	116.3	120.9	125.1	126.0	127.3
107.5°	82.0	89.6	97.7	104.4	106.5	109.9	114.6	118.8	119.7	121.3
110°	77.8	85.4	93.0	99.4	101.9	104.4	109.1	112.9	113.7	115.0



TEST NUMBER: P893344
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	74.0	80.8	88.4	94.3	96.4	99.4	103.2	107.0	107.8	109.5
115°	70.6	76.9	84.6	90.1	91.7	94.3	98.5	101.9	102.7	104.0
117.5°	67.6	73.1	79.9	85.4	87.5	89.6	93.4	96.4	97.7	98.5
120°	65.1	70.2	76.1	81.2	83.7	85.4	88.8	91.7	93.0	93.9
122.5°	62.6	67.2	72.7	77.4	79.5	80.8	84.6	87.1	88.4	89.6
125°	60.5	64.7	69.8	73.6	75.7	76.9	80.3	82.9	84.1	85.0
127.5°	58.3	62.2	67.2	70.2	72.3	73.1	76.1	78.6	79.9	80.3
130°	56.2	60.0	64.3	67.2	68.9	70.2	72.7	74.4	75.7	76.1
132.5°	54.5	57.9	61.7	64.7	66.4	66.8	69.3	71.0	72.3	72.7
135°	53.3	55.8	59.6	62.2	63.4	64.3	66.4	67.6	68.9	69.3
137.5°	51.6	54.1	57.5	59.2	60.9	61.3	63.4	64.7	66.0	66.4
140°	50.3	52.4	55.4	57.1	58.8	58.8	60.5	61.7	63.0	63.0
142.5°	49.0	51.2	53.7	55.4	56.7	56.7	58.3	59.2	60.5	60.5
145°	47.4	49.5	52.0	53.3	54.5	54.5	55.8	56.7	57.9	57.9
147.5°	45.7	47.8	50.3	51.2	52.4	52.4	53.7	54.5	55.4	55.4
150°	43.5	45.2	48.2	49.5	50.7	50.7	51.6	52.4	53.3	53.3
152.5°	41.9	43.1	45.7	47.4	48.6	48.6	49.5	50.3	51.2	51.2
155°	39.7	41.0	43.1	45.2	46.5	46.9	47.8	48.2	49.0	49.0
157.5°	38.1	39.3	41.0	42.7	44.0	44.8	46.1	46.5	46.9	46.9
160°	35.9	36.8	38.5	40.2	41.4	42.3	44.4	44.8	45.2	45.2
162.5°	35.1	35.1	35.9	37.2	38.5	38.9	41.0	42.7	43.5	43.1
165°	35.5	35.1	35.1	35.5	36.4	36.8	38.1	40.6	41.4	41.0
167.5°	36.4	35.5	35.1	35.1	35.9	35.9	37.2	39.3	41.9	41.0
170°	36.4	35.1	34.2	34.2	34.7	34.7	35.5	36.8	39.3	39.7
172.5°	35.9	35.1	33.8	32.1	32.6	32.1	31.7	32.6	33.0	37.2
175°	36.4	35.1	33.8	31.7	30.9	29.6	27.5	25.8	25.4	20.7
177.5°	35.9	34.7	33.0	31.3	30.4	28.8	26.2	23.3	21.6	19.0
180°	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2



TEST NUMBER: P893344
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L950

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	10.93	12.24	11.57	12.90	13.67	14.47	15.79	15.12	16.45	17.22
	3H	12.28	13.48	12.93	14.15	14.95	17.39	18.59	18.05	19.26	20.07
	4H	12.68	13.82	13.35	14.51	15.32	18.87	20.01	19.54	20.69	21.51
	6H	12.90	13.96	13.58	14.66	15.49	20.43	21.49	21.11	22.18	23.02
	8H	12.93	13.95	13.63	14.67	15.50	21.24	22.25	21.93	22.97	23.80
	12H	12.94	13.91	13.64	14.62	15.49	22.11	23.09	22.82	23.80	24.67
4H	2H	12.07	13.21	12.75	13.90	14.71	14.79	15.93	15.47	16.62	17.43
	3H	13.71	14.69	14.40	15.41	16.25	17.94	18.92	18.63	19.64	20.48
	4H	14.28	15.18	14.99	15.91	16.77	19.59	20.50	20.30	21.22	22.08
	6H	14.62	15.42	15.35	16.17	17.04	21.37	22.16	22.09	22.91	23.78
	8H	14.70	15.45	15.42	16.20	17.08	22.30	23.05	23.03	23.80	24.68
	12H	14.72	15.41	15.47	16.18	17.07	23.32	24.01	24.07	24.78	25.67
8H	4H	15.37	16.12	16.09	16.87	17.75	19.77	20.52	20.50	21.27	22.15
	6H	15.98	16.62	16.73	17.41	18.29	21.72	22.36	22.48	23.15	24.03
	8H	16.18	16.75	16.94	17.54	18.44	22.80	23.38	23.57	24.17	25.07
	12H	16.29	16.81	17.06	17.58	18.54	24.02	24.54	24.79	25.32	26.27
12H	4H	15.72	16.41	16.47	17.18	18.07	19.76	20.45	20.51	21.22	22.11
	6H	16.50	17.08	17.27	17.87	18.77	21.75	22.33	22.52	23.12	24.02
	8H	16.83	17.35	17.60	18.13	19.08	22.90	23.42	23.67	24.19	25.15