

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: P892576

Luminaire Tested: 2MB-2SL-RNDU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892576
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-2SL-RNDU-UNV-L850
Description: 2000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

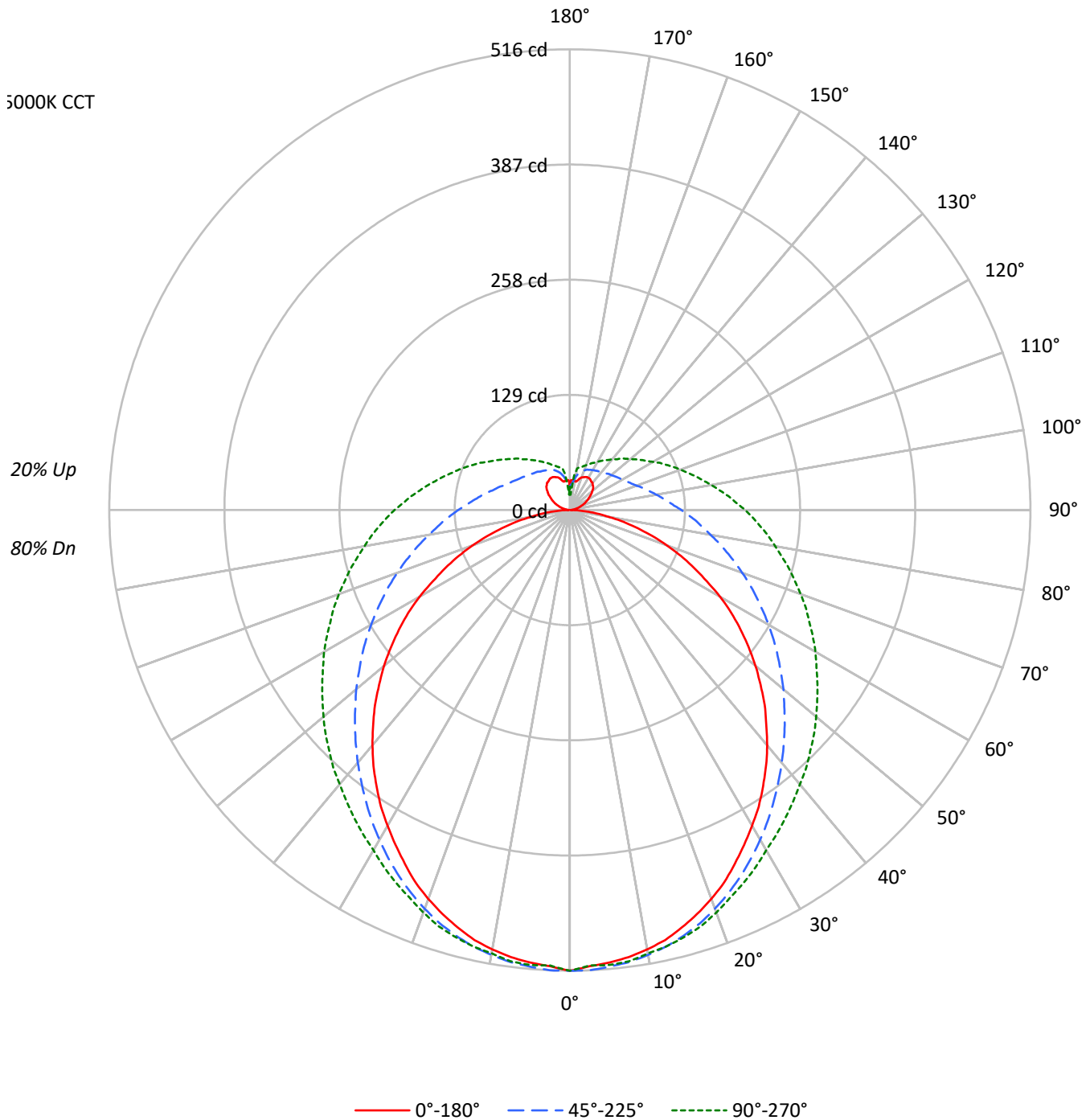
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2168.0 lumens
Efficiency: N/A
Efficacy: 145.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 14.9
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: P892576
CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

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
RCR																				
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	80		
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	61		
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	49		
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	41		
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	34		
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	29		
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	26		
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	23		
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	20		
9	51	38	30	24	49	37	29	23	34	27	22	31	25	21	29	24	20	18		
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	16		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7382	7382	7382
5°	7240	7085	7009
10°	7126	6797	6679
15°	6976	6503	6395
20°	6796	6194	6090
25°	6578	5878	5793
30°	6358	5561	5521
35°	6140	5256	5314
40°	5903	4972	5130
45°	5650	4711	4981
50°	5371	4483	4851
55°	5065	4272	4738
60°	4709	4087	4665
65°	4250	3925	4607
70°	3760	3788	4594
75°	3127	3693	4618
80°	2337	3646	4685
85°	1415	3714	4850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5650 cd/sqm



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	2.2
10°-20°	139.2	6.4
20°-30°	208.8	9.6
30°-40°	250.9	11.6
40°-50°	266.0	12.3
50°-60°	256.1	11.8
60°-70°	226.2	10.4
70°-80°	185.1	8.5
80°-90°	143.7	6.6
90°-100°	111.3	5.1
100°-110°	88.3	4.1
110°-120°	70.6	3.3
120°-130°	56.5	2.6
130°-140°	44.5	2.1
140°-150°	33.6	1.6
150°-160°	23.0	1.1
160°-170°	12.3	0.6
170°-180°	3.1	0.1
0°-30°	396.8	18.3
0°-40°	647.8	29.9
0°-60°	1169.9	54.0
0°-90°	1724.8	79.6
90°-120°	270.2	12.5
90°-150°	404.8	18.7
90°-180°	443.0	20.4
0°-180°	2168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	516	516	516	516	516	
5°	509	514	513	515	512	48
15°	484	492	493	498	495	137
25°	437	448	453	461	461	201
35°	378	388	398	416	421	236
45°	309	320	340	370	381	238
55°	234	247	284	323	339	209
65°	154	176	231	278	296	153
75°	79	116	182	234	254	84
85°	19	71	142	195	215	21
90°	1	56	125	176	196	1
95°	3	46	110	158	178	3
105°	10	37	88	130	146	10
115°	19	35	73	106	120	18
125°	28	37	64	88	98	25
135°	37	40	58	74	82	28
145°	41	42	53	63	68	26
155°	41	44	50	55	58	19
165°	34	39	44	49	50	10
175°	34	32	30	27	25	3
180°	26	26	26	26	26	



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0
2.5°	511.5	514.2	515.1	514.2	514.2	516.0	516.0	519.6	520.5	515.1	516.0
5°	508.8	511.5	513.3	512.4	512.4	514.2	513.3	516.9	517.8	513.3	513.3
7.5°	505.1	507.9	509.7	508.8	508.8	510.6	509.7	513.3	514.2	510.6	510.6
10°	499.7	503.3	505.1	503.3	504.2	506.0	505.1	508.8	509.7	506.0	506.0
12.5°	493.4	497.0	498.8	497.9	498.8	499.7	498.8	503.3	504.2	500.6	500.6
15°	484.3	488.8	489.8	488.8	489.8	492.5	490.7	494.3	497.0	493.4	493.4
17.5°	474.4	478.9	480.7	479.8	481.6	483.4	481.6	486.1	487.9	484.3	485.2
20°	463.5	468.0	469.8	468.9	470.7	472.6	470.7	475.3	477.1	474.4	475.3
22.5°	451.7	456.3	458.1	457.2	459.0	460.8	459.0	463.5	466.2	463.5	464.4
25°	437.2	442.7	444.5	443.6	445.4	448.1	445.4	450.8	453.5	451.7	452.6
27.5°	422.8	427.3	430.9	429.1	431.8	434.5	432.7	436.3	440.0	439.1	440.0
30°	408.3	412.8	416.4	414.6	417.3	420.0	417.3	421.9	425.5	425.5	426.4
32.5°	393.8	397.4	400.1	399.2	401.0	404.7	402.8	407.4	411.0	411.0	412.8
35°	377.5	381.1	383.8	382.9	385.6	388.4	386.6	391.1	395.6	396.5	398.3
37.5°	361.2	364.8	367.5	366.6	368.4	372.1	370.3	375.7	379.3	381.1	383.8
40°	344.0	347.6	350.3	349.4	352.2	354.9	354.0	358.5	363.0	365.7	369.4
42.5°	325.9	329.5	332.2	332.2	335.0	338.6	336.8	342.2	346.7	350.3	354.9
45°	308.7	311.4	314.1	314.1	317.8	320.5	319.6	325.0	330.4	335.0	340.4
47.5°	289.7	293.3	295.1	296.0	299.6	302.4	302.4	307.8	314.1	320.5	325.9
50°	271.6	274.3	277.0	277.0	281.5	284.3	284.3	290.6	298.7	306.0	312.3
52.5°	252.6	255.3	258.0	258.9	262.5	266.2	266.2	273.4	282.4	290.6	297.8
55°	233.6	236.3	238.1	239.9	244.4	247.1	249.0	257.1	267.1	275.2	284.3
57.5°	214.6	216.4	219.1	220.9	226.3	229.9	232.7	241.7	251.7	261.6	270.7
60°	194.6	197.4	199.2	201.9	207.3	212.7	215.5	225.4	236.3	247.1	257.1
62.5°	172.9	175.6	178.3	182.0	190.1	194.6	199.2	210.0	220.9	232.7	243.5
65°	153.9	155.7	158.4	162.0	171.1	176.5	182.0	193.7	206.4	219.1	230.8
67.5°	134.9	136.7	140.3	144.8	154.8	160.2	165.7	178.3	192.8	206.4	218.2
70°	115.9	116.8	121.3	127.6	138.5	143.9	150.3	162.9	177.4	192.8	205.5
72.5°	96.9	98.7	103.2	110.4	123.1	129.5	135.8	150.3	164.8	179.2	193.7
75°	78.8	79.7	86.0	95.1	108.6	115.9	123.1	137.6	153.0	168.4	182.0
77.5°	61.6	62.5	70.6	80.6	95.1	103.2	110.4	124.9	141.2	156.6	171.1
80°	45.3	47.1	55.2	67.9	82.4	90.5	99.6	115.0	130.4	146.7	160.2
82.5°	30.8	33.5	42.5	56.1	71.5	80.6	88.7	104.1	120.4	136.7	150.3
85°	19.0	21.7	32.6	46.2	62.5	70.6	78.8	95.1	111.3	126.7	142.1
87.5°	8.1	13.6	24.4	38.0	54.3	62.5	71.5	86.9	102.3	118.6	133.1
90°	0.9	8.1	19.0	32.6	48.0	56.1	64.3	79.7	95.1	110.4	124.9
92.5°	0.9	5.4	15.4	28.1	42.5	50.7	57.9	73.3	87.8	103.2	116.8
95°	2.7	5.4	13.6	25.3	38.9	46.2	53.4	67.9	82.4	96.9	110.4
97.5°	3.6	6.3	13.6	23.5	35.3	42.5	49.8	63.4	76.9	90.5	104.1
100°	5.4	7.2	13.6	22.6	33.5	39.8	46.2	58.8	72.4	86.0	98.7
102.5°	7.2	9.1	14.5	22.6	32.6	38.0	44.4	56.1	67.9	80.6	93.2
105°	10.0	10.9	15.4	22.6	31.7	37.1	42.5	53.4	64.3	76.9	87.8
107.5°	11.8	12.7	16.3	23.5	31.7	36.2	41.6	50.7	61.6	72.4	84.2
110°	13.6	13.6	18.1	24.4	31.7	35.3	40.7	49.8	59.7	69.7	79.7



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	16.3	16.3	19.0	25.3	31.7	35.3	39.8	48.0	57.0	67.0	76.0
115°	19.0	18.1	20.8	26.3	32.6	35.3	39.8	47.1	55.2	64.3	73.3
117.5°	20.8	19.9	22.6	27.2	32.6	36.2	39.8	47.1	54.3	62.5	70.6
120°	23.5	21.7	23.5	28.1	33.5	36.2	39.8	46.2	53.4	60.7	67.9
122.5°	25.3	24.4	25.3	29.9	34.4	36.2	39.8	45.3	52.5	58.8	66.1
125°	28.1	26.3	27.2	30.8	35.3	37.1	40.7	45.3	51.6	57.9	64.3
127.5°	30.8	28.1	28.1	31.7	35.3	38.0	40.7	45.3	50.7	56.1	62.5
130°	32.6	30.8	29.9	33.5	36.2	38.0	40.7	45.3	49.8	55.2	60.7
132.5°	35.3	32.6	31.7	34.4	37.1	38.9	41.6	45.3	49.8	54.3	59.7
135°	37.1	34.4	33.5	35.3	38.0	39.8	41.6	45.3	49.8	53.4	57.9
137.5°	38.0	36.2	35.3	36.2	38.9	40.7	42.5	45.3	48.9	52.5	57.0
140°	39.8	38.0	37.1	38.0	39.8	40.7	42.5	45.3	48.9	51.6	56.1
142.5°	39.8	39.8	38.0	38.9	39.8	41.6	43.5	45.3	48.0	51.6	54.3
145°	40.7	40.7	39.8	40.7	40.7	41.6	43.5	45.3	48.0	50.7	53.4
147.5°	41.6	41.6	41.6	41.6	41.6	42.5	43.5	45.3	48.0	49.8	52.5
150°	41.6	41.6	42.5	42.5	43.5	43.5	44.4	45.3	48.0	49.8	51.6
152.5°	41.6	40.7	42.5	43.5	44.4	44.4	44.4	45.3	47.1	48.9	50.7
155°	40.7	39.8	41.6	42.5	43.5	44.4	45.3	45.3	47.1	48.0	49.8
157.5°	39.8	38.9	40.7	41.6	42.5	43.5	44.4	44.4	45.3	47.1	48.9
160°	38.9	38.0	38.9	40.7	41.6	42.5	43.5	43.5	44.4	45.3	47.1
162.5°	37.1	36.2	37.1	38.9	39.8	40.7	41.6	42.5	43.5	44.4	45.3
165°	34.4	34.4	34.4	36.2	38.0	38.9	39.8	40.7	41.6	42.5	43.5
167.5°	32.6	31.7	32.6	33.5	35.3	36.2	37.1	38.0	38.9	39.8	40.7
170°	32.6	31.7	31.7	32.6	33.5	33.5	34.4	35.3	36.2	37.1	38.0
172.5°	33.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	33.5	33.5
175°	33.5	33.5	32.6	32.6	31.7	31.7	31.7	31.7	30.8	29.9	29.9
177.5°	33.5	33.5	33.5	32.6	32.6	31.7	31.7	31.7	30.8	29.9	28.1
180°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0	516.0
2.5°	515.1	515.1	511.5	515.1	516.0	514.2	513.3	515.1	512.4	510.6
5°	513.3	513.3	510.6	514.2	515.1	513.3	513.3	515.1	512.4	511.5
7.5°	509.7	510.6	508.8	512.4	513.3	511.5	511.5	513.3	511.5	509.7
10°	506.0	506.0	505.1	507.9	507.9	507.0	506.0	507.9	507.0	504.2
12.5°	500.6	501.5	499.7	503.3	504.2	502.4	502.4	504.2	502.4	500.6
15°	494.3	494.3	494.3	497.0	497.9	497.0	497.0	498.8	497.0	495.2
17.5°	486.1	487.0	487.0	490.7	491.6	489.8	489.8	492.5	491.6	488.8
20°	476.2	477.1	478.0	480.7	481.6	480.7	480.7	482.5	482.5	479.8
22.5°	466.2	466.2	468.0	470.7	471.6	470.7	470.7	473.5	473.5	469.8
25°	454.4	454.4	457.2	460.8	460.8	459.9	460.8	462.6	463.5	460.8
27.5°	442.7	443.6	446.3	449.9	449.9	449.9	449.9	452.6	452.6	450.8
30°	429.1	430.9	433.6	437.2	438.2	438.2	439.1	440.9	442.7	440.0
32.5°	415.5	417.3	421.0	425.5	426.4	427.3	428.2	431.8	433.6	430.9
35°	401.9	403.8	409.2	414.6	415.5	416.4	418.2	421.9	423.7	421.0
37.5°	388.4	391.1	398.3	402.8	404.7	405.6	408.3	411.0	414.6	411.0
40°	375.7	378.4	386.6	392.0	392.9	394.7	397.4	401.0	403.8	401.0
42.5°	362.1	365.7	373.9	380.2	382.0	383.8	386.6	390.2	393.8	392.0
45°	348.5	353.1	362.1	368.4	370.3	373.0	376.6	380.2	383.8	381.1
47.5°	335.0	340.4	350.3	356.7	358.5	362.1	365.7	369.4	373.0	371.2
50°	321.4	326.8	337.7	344.9	347.6	351.2	354.0	358.5	362.1	360.3
52.5°	308.7	314.1	325.9	333.1	335.9	339.5	343.1	347.6	351.2	349.4
55°	294.2	300.6	313.2	320.5	323.2	327.7	332.2	335.9	340.4	338.6
57.5°	281.5	288.8	301.5	309.6	312.3	316.8	321.4	325.9	330.4	327.7
60°	268.9	276.1	289.7	297.8	300.6	306.0	310.5	314.1	319.6	317.8
62.5°	256.2	264.3	277.0	286.1	289.7	294.2	298.7	303.3	307.8	306.9
65°	242.6	251.7	265.2	274.3	277.9	283.4	287.9	292.4	296.9	296.0
67.5°	231.8	240.8	254.4	263.4	267.1	272.5	277.9	282.4	287.0	286.1
70°	219.1	229.0	242.6	251.7	255.3	260.7	266.2	270.7	275.2	275.2
72.5°	208.2	218.2	231.8	240.8	245.3	250.8	256.2	260.7	265.2	264.3
75°	197.4	207.3	220.9	229.9	234.5	240.8	246.2	250.8	255.3	254.4
77.5°	185.6	196.4	210.0	219.1	223.6	229.9	235.4	239.9	244.4	243.5
80°	174.7	186.5	200.1	209.1	213.6	219.1	225.4	229.9	234.5	233.6
82.5°	164.8	176.5	191.0	200.1	204.6	210.0	216.4	220.9	224.5	224.5
85°	155.7	166.6	180.1	190.1	194.6	200.1	206.4	210.9	215.5	214.6
87.5°	146.7	157.5	170.2	180.1	184.7	190.1	197.4	201.9	205.5	205.5
90°	138.5	149.4	162.0	171.1	175.6	181.1	187.4	192.8	196.4	196.4
92.5°	131.3	141.2	153.9	162.0	166.6	172.0	179.2	182.9	186.5	186.5
95°	124.0	134.0	145.7	153.9	158.4	163.9	170.2	174.7	177.4	178.3
97.5°	116.8	126.7	138.5	145.7	150.3	155.7	162.0	165.7	168.4	169.3
100°	110.4	120.4	131.3	138.5	143.0	148.5	153.9	157.5	160.2	161.1
102.5°	105.0	114.1	124.9	132.2	135.8	140.3	146.7	150.3	153.0	153.0
105°	99.6	108.6	118.6	125.8	129.5	134.0	139.4	143.0	145.7	145.7
107.5°	94.1	103.2	112.3	119.5	123.1	126.7	132.2	135.8	138.5	138.5
110°	89.6	97.8	106.8	113.2	116.8	120.4	125.8	129.5	131.3	132.2



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	86.0	93.2	101.4	107.7	111.3	115.0	119.5	123.1	124.9	125.8
115°	82.4	88.7	96.9	102.3	105.9	109.5	114.1	116.8	118.6	119.5
117.5°	78.8	85.1	92.3	97.8	100.5	104.1	108.6	111.3	113.2	114.1
120°	76.0	81.5	88.7	93.2	96.0	99.6	103.2	105.9	107.7	107.7
122.5°	72.4	78.8	84.2	88.7	91.4	94.1	98.7	100.5	102.3	102.3
125°	70.6	75.1	81.5	85.1	87.8	90.5	94.1	96.0	97.8	97.8
127.5°	67.9	72.4	77.9	81.5	83.3	86.0	89.6	91.4	92.3	93.2
130°	66.1	70.6	75.1	78.8	80.6	82.4	86.0	86.9	88.7	88.7
132.5°	64.3	67.9	72.4	75.1	76.9	78.8	81.5	83.3	84.2	85.1
135°	62.5	66.1	69.7	72.4	74.2	76.0	78.8	79.7	80.6	81.5
137.5°	60.7	64.3	67.0	69.7	70.6	72.4	75.1	76.0	76.9	76.9
140°	58.8	62.5	65.2	67.0	68.8	69.7	72.4	73.3	73.3	74.2
142.5°	57.9	60.7	62.5	64.3	66.1	67.0	68.8	69.7	70.6	70.6
145°	56.1	58.8	60.7	62.5	63.4	64.3	66.1	67.0	67.9	67.9
147.5°	55.2	57.0	58.8	60.7	61.6	62.5	64.3	64.3	65.2	65.2
150°	53.4	56.1	57.0	58.8	59.7	59.7	61.6	62.5	62.5	62.5
152.5°	52.5	54.3	55.2	56.1	57.0	57.9	58.8	59.7	59.7	59.7
155°	51.6	53.4	54.3	55.2	55.2	56.1	57.0	57.0	57.0	57.9
157.5°	50.7	51.6	52.5	53.4	53.4	54.3	55.2	55.2	55.2	55.2
160°	48.9	49.8	50.7	51.6	52.5	52.5	53.4	53.4	53.4	53.4
162.5°	46.2	48.0	48.9	49.8	50.7	50.7	51.6	51.6	51.6	51.6
165°	44.4	45.3	46.2	48.0	48.9	48.9	49.8	49.8	49.8	49.8
167.5°	42.5	42.5	43.5	44.4	46.2	47.1	48.0	48.9	48.9	48.9
170°	38.9	38.9	39.8	39.8	41.6	42.5	44.4	46.2	47.1	47.1
172.5°	34.4	34.4	35.3	34.4	35.3	35.3	36.2	38.0	39.8	40.7
175°	29.9	29.9	28.1	27.2	27.2	26.3	26.3	25.3	23.5	25.3
177.5°	26.3	25.3	23.5	21.7	21.7	20.8	20.8	19.0	17.2	17.2
180°	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3



TEST NUMBER: P892576
 CATALOG NUMBER: 2MB-2SL-RNDU-UNV-L850

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	13.84	15.15	14.48	15.81	16.59	17.22	18.53	17.87	19.20	19.97
	3H	15.16	16.36	15.81	17.03	17.84	20.04	21.23	20.69	21.91	22.71
	4H	15.56	16.69	16.23	17.38	18.20	21.46	22.59	22.13	23.28	24.10
	6H	15.77	16.83	16.45	17.52	18.35	22.94	24.00	23.63	24.70	25.53
	8H	15.80	16.82	16.50	17.53	18.37	23.70	24.71	24.39	25.43	26.27
	12H	15.80	16.78	16.51	17.49	18.36	24.49	25.46	25.19	26.18	27.04
4H	2H	14.96	16.10	15.64	16.79	17.60	17.56	18.70	18.23	19.38	20.20
	3H	16.57	17.54	17.26	18.27	19.10	20.61	21.59	21.30	22.31	23.15
	4H	17.13	18.03	17.83	18.75	19.62	22.21	23.11	22.91	23.83	24.70
	6H	17.47	18.26	18.19	19.02	19.89	23.91	24.70	24.63	25.45	26.32
	8H	17.54	18.29	18.27	19.04	19.93	24.78	25.53	25.51	26.28	27.17
	12H	17.57	18.25	18.32	19.02	19.92	25.72	26.40	26.47	27.17	28.06
8H	4H	18.17	18.92	18.90	19.67	20.55	22.39	23.14	23.12	23.89	24.77
	6H	18.78	19.42	19.54	20.21	21.10	24.27	24.91	25.03	25.70	26.59
	8H	18.98	19.56	19.75	20.35	21.25	25.30	25.88	26.07	26.67	27.57
	12H	19.10	19.62	19.87	20.40	21.35	26.43	26.95	27.21	27.73	28.69
12H	4H	18.50	19.19	19.25	19.96	20.85	22.38	23.07	23.13	23.84	24.73
	6H	19.28	19.86	20.05	20.65	21.55	24.31	24.88	25.07	25.67	26.57
	8H	19.61	20.13	20.38	20.91	21.86	25.40	25.92	26.17	26.70	27.65