

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: P892688

Luminaire Tested: 2MB-3SL-RNDU-UNV-L850

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892688
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-3SL-RNDU-UNV-L850
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

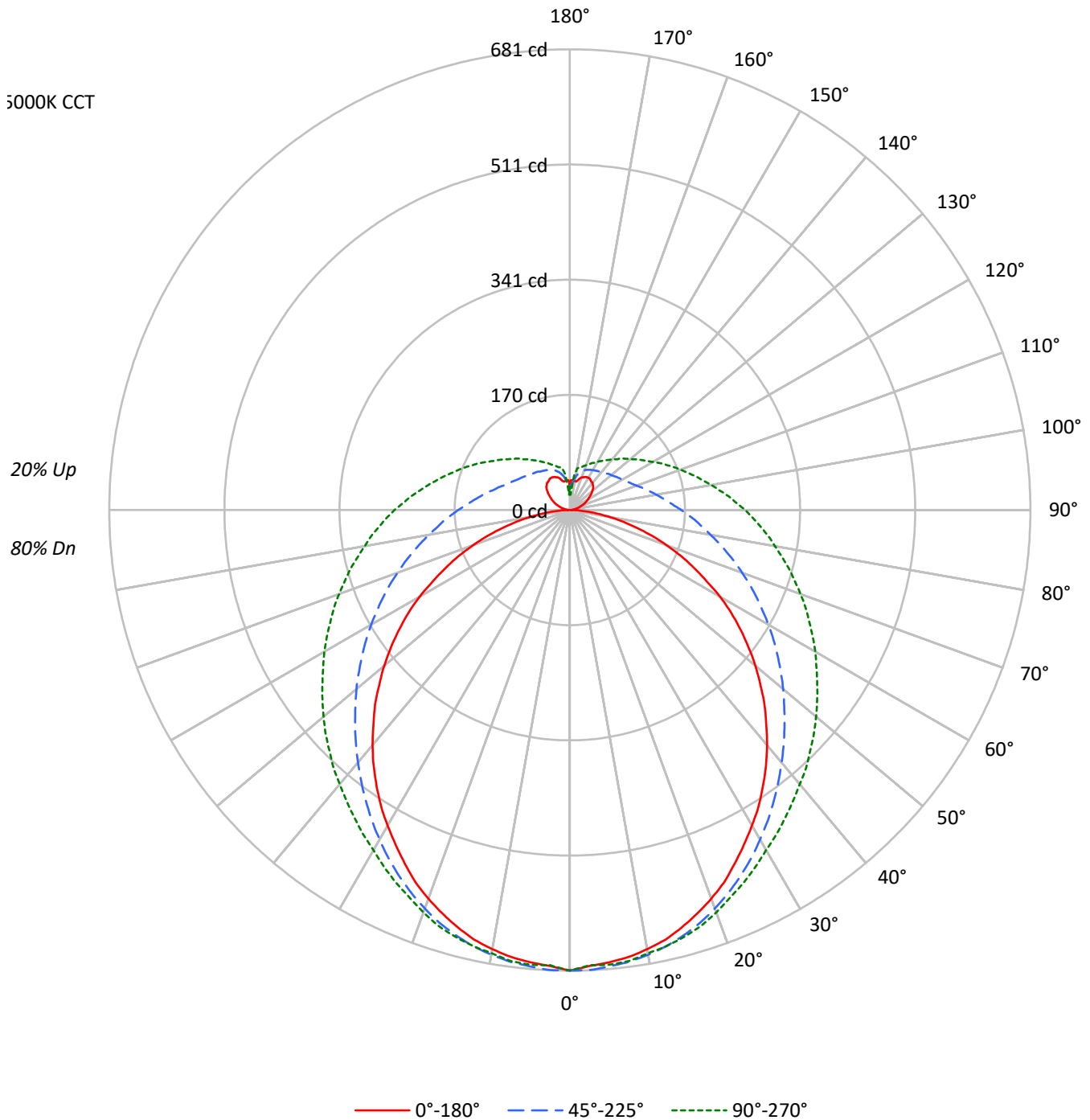
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2860.0 lumens
Efficiency: N/A
Efficacy: 136.2 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): 21
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.998
Total Harmonic Distortion (THDi): 8
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P892688
CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

Luminous Intensity Polar Plot





TEST NUMBER: P892688

CATALOG NUMBER: 2MB-3SL-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	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	37	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°	9738	9738	9738
5°	9551	9346	9246
10°	9401	8967	8811
15°	9203	8578	8435
20°	8964	8171	8033
25°	8678	7755	7643
30°	8387	7336	7283
35°	8100	6934	7009
40°	7787	6557	6767
45°	7453	6214	6571
50°	7085	5914	6399
55°	6680	5635	6249
60°	6214	5392	6154
65°	5606	5178	6077
70°	4961	4997	6060
75°	4123	4870	6092
80°	3080	4812	6179
85°	1870	4901	6396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7453 cd/sqm



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.3	2.2
10°-20°	183.7	6.4
20°-30°	275.5	9.6
30°-40°	331.0	11.6
40°-50°	350.9	12.3
50°-60°	337.8	11.8
60°-70°	298.4	10.4
70°-80°	244.1	8.5
80°-90°	189.5	6.6
90°-100°	146.8	5.1
100°-110°	116.5	4.1
110°-120°	93.2	3.3
120°-130°	74.5	2.6
130°-140°	58.8	2.1
140°-150°	44.3	1.6
150°-160°	30.3	1.1
160°-170°	16.2	0.6
170°-180°	4.1	0.1
0°-30°	523.5	18.3
0°-40°	854.6	29.9
0°-60°	1543.3	54.0
0°-90°	2275.3	79.6
90°-120°	356.4	12.5
90°-150°	534.1	18.7
90°-180°	585.0	20.5
0°-180°	2860.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	671	678	677	680	675	64
15°	639	650	651	657	653	180
25°	577	591	597	608	608	266
35°	498	512	526	548	555	312
45°	407	423	449	488	503	314
55°	308	326	375	426	447	275
65°	203	233	304	367	390	201
75°	104	153	240	309	336	111
85°	25	93	188	257	283	27
90°	1	74	165	232	259	2
95°	4	61	146	209	235	3
105°	13	49	116	171	192	13
115°	25	47	97	140	158	24
125°	37	49	85	116	129	33
135°	49	52	76	98	108	37
145°	54	55	70	84	90	34
155°	54	58	66	73	76	25
165°	45	51	57	64	66	13
175°	44	42	39	36	33	4
180°	35	35	35	35	35	



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7
2.5°	674.7	678.3	679.5	678.3	678.3	680.7	680.7	685.5	686.7	679.5	680.7
5°	671.2	674.7	677.1	675.9	675.9	678.3	677.1	681.9	683.1	677.1	677.1
7.5°	666.4	670.0	672.4	671.2	671.2	673.5	672.4	677.1	678.3	673.5	673.5
10°	659.2	664.0	666.4	664.0	665.2	667.6	666.4	671.2	672.4	667.6	667.6
12.5°	650.9	655.6	658.0	656.8	658.0	659.2	658.0	664.0	665.2	660.4	660.4
15°	638.9	644.9	646.1	644.9	646.1	649.7	647.3	652.0	655.6	650.9	650.9
17.5°	625.8	631.7	634.1	632.9	635.3	637.7	635.3	641.3	643.7	638.9	640.1
20°	611.4	617.4	619.8	618.6	621.0	623.4	621.0	627.0	629.4	625.8	627.0
22.5°	595.9	601.9	604.3	603.1	605.5	607.9	605.5	611.4	615.0	611.4	612.6
25°	576.8	584.0	586.4	585.2	587.6	591.1	587.6	594.7	598.3	595.9	597.1
27.5°	557.7	563.7	568.5	566.1	569.6	573.2	570.8	575.6	580.4	579.2	580.4
30°	538.6	544.6	549.3	547.0	550.5	554.1	550.5	556.5	561.3	561.3	562.5
32.5°	519.5	524.3	527.8	526.7	529.0	533.8	531.4	537.4	542.2	542.2	544.6
35°	498.0	502.8	506.4	505.2	508.7	512.3	509.9	515.9	521.9	523.1	525.5
37.5°	476.5	481.3	484.9	483.7	486.1	490.8	488.4	495.6	500.4	502.8	506.4
40°	453.8	458.6	462.2	461.0	464.6	468.1	466.9	472.9	478.9	482.5	487.2
42.5°	429.9	434.7	438.3	438.3	441.9	446.6	444.3	451.4	457.4	462.2	468.1
45°	407.2	410.8	414.4	414.4	419.2	422.8	421.6	428.7	435.9	441.9	449.0
47.5°	382.2	386.9	389.3	390.5	395.3	398.9	398.9	406.0	414.4	422.8	429.9
50°	358.3	361.9	365.4	365.4	371.4	375.0	375.0	383.3	394.1	403.6	412.0
52.5°	333.2	336.8	340.4	341.5	346.3	351.1	351.1	360.7	372.6	383.3	392.9
55°	308.1	311.7	314.1	316.5	322.4	326.0	328.4	339.2	352.3	363.0	375.0
57.5°	283.0	285.4	289.0	291.4	298.6	303.3	306.9	318.9	332.0	345.1	357.1
60°	256.8	260.3	262.7	266.3	273.5	280.6	284.2	297.4	311.7	326.0	339.2
62.5°	228.1	231.7	235.3	240.0	250.8	256.8	262.7	277.1	291.4	306.9	321.2
65°	203.0	205.4	209.0	213.8	225.7	232.9	240.0	255.6	272.3	289.0	304.5
67.5°	177.9	180.3	185.1	191.1	204.2	211.4	218.5	235.3	254.4	272.3	287.8
70°	152.9	154.1	160.0	168.4	182.7	189.9	198.2	215.0	234.1	254.4	271.1
72.5°	127.8	130.2	136.1	145.7	162.4	170.8	179.1	198.2	217.3	236.5	255.6
75°	103.9	105.1	113.5	125.4	143.3	152.9	162.4	181.5	201.8	222.1	240.0
77.5°	81.2	82.4	93.1	106.3	125.4	136.1	145.7	164.8	186.3	206.6	225.7
80°	59.7	62.1	72.8	89.6	108.7	119.4	131.4	151.7	172.0	193.5	211.4
82.5°	40.6	44.2	56.1	74.0	94.3	106.3	117.0	137.3	158.8	180.3	198.2
85°	25.1	28.7	43.0	60.9	82.4	93.1	103.9	125.4	146.9	167.2	187.5
87.5°	10.7	17.9	32.2	50.2	71.7	82.4	94.3	114.6	134.9	156.4	175.6
90°	1.2	10.7	25.1	43.0	63.3	74.0	84.8	105.1	125.4	145.7	164.8
92.5°	1.2	7.2	20.3	37.0	56.1	66.9	76.4	96.7	115.8	136.1	154.1
95°	3.6	7.2	17.9	33.4	51.4	60.9	70.5	89.6	108.7	127.8	145.7
97.5°	4.8	8.4	17.9	31.0	46.6	56.1	65.7	83.6	101.5	119.4	137.3
100°	7.2	9.6	17.9	29.9	44.2	52.5	60.9	77.6	95.5	113.5	130.2
102.5°	9.6	11.9	19.1	29.9	43.0	50.2	58.5	74.0	89.6	106.3	123.0
105°	13.1	14.3	20.3	29.9	41.8	49.0	56.1	70.5	84.8	101.5	115.8
107.5°	15.5	16.7	21.5	31.0	41.8	47.8	54.9	66.9	81.2	95.5	111.1
110°	17.9	17.9	23.9	32.2	41.8	46.6	53.7	65.7	78.8	92.0	105.1



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	21.5	21.5	25.1	33.4	41.8	46.6	52.5	63.3	75.2	88.4	100.3
115°	25.1	23.9	27.5	34.6	43.0	46.6	52.5	62.1	72.8	84.8	96.7
117.5°	27.5	26.3	29.9	35.8	43.0	47.8	52.5	62.1	71.7	82.4	93.1
120°	31.0	28.7	31.0	37.0	44.2	47.8	52.5	60.9	70.5	80.0	89.6
122.5°	33.4	32.2	33.4	39.4	45.4	47.8	52.5	59.7	69.3	77.6	87.2
125°	37.0	34.6	35.8	40.6	46.6	49.0	53.7	59.7	68.1	76.4	84.8
127.5°	40.6	37.0	37.0	41.8	46.6	50.2	53.7	59.7	66.9	74.0	82.4
130°	43.0	40.6	39.4	44.2	47.8	50.2	53.7	59.7	65.7	72.8	80.0
132.5°	46.6	43.0	41.8	45.4	49.0	51.4	54.9	59.7	65.7	71.7	78.8
135°	49.0	45.4	44.2	46.6	50.2	52.5	54.9	59.7	65.7	70.5	76.4
137.5°	50.2	47.8	46.6	47.8	51.4	53.7	56.1	59.7	64.5	69.3	75.2
140°	52.5	50.2	49.0	50.2	52.5	53.7	56.1	59.7	64.5	68.1	74.0
142.5°	52.5	52.5	50.2	51.4	52.5	54.9	57.3	59.7	63.3	68.1	71.7
145°	53.7	53.7	52.5	53.7	53.7	54.9	57.3	59.7	63.3	66.9	70.5
147.5°	54.9	54.9	54.9	54.9	54.9	56.1	57.3	59.7	63.3	65.7	69.3
150°	54.9	54.9	56.1	56.1	57.3	57.3	58.5	59.7	63.3	65.7	68.1
152.5°	54.9	53.7	56.1	57.3	58.5	58.5	58.5	59.7	62.1	64.5	66.9
155°	53.7	52.5	54.9	56.1	57.3	58.5	59.7	59.7	62.1	63.3	65.7
157.5°	52.5	51.4	53.7	54.9	56.1	57.3	58.5	58.5	59.7	62.1	64.5
160°	51.4	50.2	51.4	53.7	54.9	56.1	57.3	57.3	58.5	59.7	62.1
162.5°	49.0	47.8	49.0	51.4	52.5	53.7	54.9	56.1	57.3	58.5	59.7
165°	45.4	45.4	45.4	47.8	50.2	51.4	52.5	53.7	54.9	56.1	57.3
167.5°	43.0	41.8	43.0	44.2	46.6	47.8	49.0	50.2	51.4	52.5	53.7
170°	43.0	41.8	41.8	43.0	44.2	44.2	45.4	46.6	47.8	49.0	50.2
172.5°	44.2	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	44.2	44.2
175°	44.2	44.2	43.0	43.0	41.8	41.8	41.8	41.8	40.6	39.4	39.4
177.5°	44.2	44.2	44.2	43.0	43.0	41.8	41.8	41.8	40.6	39.4	37.0
180°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7	680.7
2.5°	679.5	679.5	674.7	679.5	680.7	678.3	677.1	679.5	675.9	673.5
5°	677.1	677.1	673.5	678.3	679.5	677.1	677.1	679.5	675.9	674.7
7.5°	672.4	673.5	671.2	675.9	677.1	674.7	674.7	677.1	674.7	672.4
10°	667.6	667.6	666.4	670.0	670.0	668.8	667.6	670.0	668.8	665.2
12.5°	660.4	661.6	659.2	664.0	665.2	662.8	662.8	665.2	662.8	660.4
15°	652.0	652.0	652.0	655.6	656.8	655.6	655.6	658.0	655.6	653.2
17.5°	641.3	642.5	642.5	647.3	648.5	646.1	646.1	649.7	648.5	644.9
20°	628.2	629.4	630.6	634.1	635.3	634.1	634.1	636.5	636.5	632.9
22.5°	615.0	615.0	617.4	621.0	622.2	621.0	621.0	624.6	624.6	619.8
25°	599.5	599.5	603.1	607.9	607.9	606.7	607.9	610.3	611.4	607.9
27.5°	584.0	585.2	588.8	593.5	593.5	593.5	593.5	597.1	597.1	594.7
30°	566.1	568.5	572.0	576.8	578.0	578.0	579.2	581.6	584.0	580.4
32.5°	548.2	550.5	555.3	561.3	562.5	563.7	564.9	569.6	572.0	568.5
35°	530.2	532.6	539.8	547.0	548.2	549.3	551.7	556.5	558.9	555.3
37.5°	512.3	515.9	525.5	531.4	533.8	535.0	538.6	542.2	547.0	542.2
40°	495.6	499.2	509.9	517.1	518.3	520.7	524.3	529.0	532.6	529.0
42.5°	477.7	482.5	493.2	501.6	504.0	506.4	509.9	514.7	519.5	517.1
45°	459.8	465.7	477.7	486.1	488.4	492.0	496.8	501.6	506.4	502.8
47.5°	441.9	449.0	462.2	470.5	472.9	477.7	482.5	487.2	492.0	489.6
50°	424.0	431.1	445.4	455.0	458.6	463.4	466.9	472.9	477.7	475.3
52.5°	407.2	414.4	429.9	439.5	443.1	447.8	452.6	458.6	463.4	461.0
55°	388.1	396.5	413.2	422.8	426.3	432.3	438.3	443.1	449.0	446.6
57.5°	371.4	381.0	397.7	408.4	412.0	418.0	424.0	429.9	435.9	432.3
60°	354.7	364.2	382.2	392.9	396.5	403.6	409.6	414.4	421.6	419.2
62.5°	338.0	348.7	365.4	377.4	382.2	388.1	394.1	400.1	406.0	404.8
65°	320.1	332.0	349.9	361.9	366.6	373.8	379.8	385.7	391.7	390.5
67.5°	305.7	317.7	335.6	347.5	352.3	359.5	366.6	372.6	378.6	377.4
70°	289.0	302.1	320.1	332.0	336.8	343.9	351.1	357.1	363.0	363.0
72.5°	274.7	287.8	305.7	317.7	323.6	330.8	338.0	343.9	349.9	348.7
75°	260.3	273.5	291.4	303.3	309.3	317.7	324.8	330.8	336.8	335.6
77.5°	244.8	259.1	277.1	289.0	295.0	303.3	310.5	316.5	322.4	321.2
80°	230.5	246.0	263.9	275.9	281.8	289.0	297.4	303.3	309.3	308.1
82.5°	217.3	232.9	252.0	263.9	269.9	277.1	285.4	291.4	296.2	296.2
85°	205.4	219.7	237.7	250.8	256.8	263.9	272.3	278.3	284.2	283.0
87.5°	193.5	207.8	224.5	237.7	243.6	250.8	260.3	266.3	271.1	271.1
90°	182.7	197.0	213.8	225.7	231.7	238.8	247.2	254.4	259.1	259.1
92.5°	173.2	186.3	203.0	213.8	219.7	226.9	236.5	241.2	246.0	246.0
95°	163.6	176.7	192.3	203.0	209.0	216.2	224.5	230.5	234.1	235.3
97.5°	154.1	167.2	182.7	192.3	198.2	205.4	213.8	218.5	222.1	223.3
100°	145.7	158.8	173.2	182.7	188.7	195.9	203.0	207.8	211.4	212.6
102.5°	138.5	150.5	164.8	174.4	179.1	185.1	193.5	198.2	201.8	201.8
105°	131.4	143.3	156.4	166.0	170.8	176.7	183.9	188.7	192.3	192.3
107.5°	124.2	136.1	148.1	157.6	162.4	167.2	174.4	179.1	182.7	182.7
110°	118.2	129.0	140.9	149.3	154.1	158.8	166.0	170.8	173.2	174.4



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L850

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	113.5	123.0	133.8	142.1	146.9	151.7	157.6	162.4	164.8	166.0
115°	108.7	117.0	127.8	134.9	139.7	144.5	150.5	154.1	156.4	157.6
117.5°	103.9	112.3	121.8	129.0	132.6	137.3	143.3	146.9	149.3	150.5
120°	100.3	107.5	117.0	123.0	126.6	131.4	136.1	139.7	142.1	142.1
122.5°	95.5	103.9	111.1	117.0	120.6	124.2	130.2	132.6	134.9	134.9
125°	93.1	99.1	107.5	112.3	115.8	119.4	124.2	126.6	129.0	129.0
127.5°	89.6	95.5	102.7	107.5	109.9	113.5	118.2	120.6	121.8	123.0
130°	87.2	93.1	99.1	103.9	106.3	108.7	113.5	114.6	117.0	117.0
132.5°	84.8	89.6	95.5	99.1	101.5	103.9	107.5	109.9	111.1	112.3
135°	82.4	87.2	92.0	95.5	97.9	100.3	103.9	105.1	106.3	107.5
137.5°	80.0	84.8	88.4	92.0	93.1	95.5	99.1	100.3	101.5	101.5
140°	77.6	82.4	86.0	88.4	90.8	92.0	95.5	96.7	96.7	97.9
142.5°	76.4	80.0	82.4	84.8	87.2	88.4	90.8	92.0	93.1	93.1
145°	74.0	77.6	80.0	82.4	83.6	84.8	87.2	88.4	89.6	89.6
147.5°	72.8	75.2	77.6	80.0	81.2	82.4	84.8	84.8	86.0	86.0
150°	70.5	74.0	75.2	77.6	78.8	78.8	81.2	82.4	82.4	82.4
152.5°	69.3	71.7	72.8	74.0	75.2	76.4	77.6	78.8	78.8	78.8
155°	68.1	70.5	71.7	72.8	72.8	74.0	75.2	75.2	75.2	76.4
157.5°	66.9	68.1	69.3	70.5	70.5	71.7	72.8	72.8	72.8	72.8
160°	64.5	65.7	66.9	68.1	69.3	69.3	70.5	70.5	70.5	70.5
162.5°	60.9	63.3	64.5	65.7	66.9	66.9	68.1	68.1	68.1	68.1
165°	58.5	59.7	60.9	63.3	64.5	64.5	65.7	65.7	65.7	65.7
167.5°	56.1	56.1	57.3	58.5	60.9	62.1	63.3	64.5	64.5	64.5
170°	51.4	51.4	52.5	52.5	54.9	56.1	58.5	60.9	62.1	62.1
172.5°	45.4	45.4	46.6	45.4	46.6	46.6	47.8	50.2	52.5	53.7
175°	39.4	39.4	37.0	35.8	35.8	34.6	34.6	33.4	31.0	33.4
177.5°	34.6	33.4	31.0	28.7	28.7	27.5	27.5	25.1	22.7	22.7
180°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6



TEST NUMBER: P892688
 CATALOG NUMBER: 2MB-3SL-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	14.80	16.11	15.44	16.78	17.55	18.19	19.49	18.83	20.16	20.93
	3H	16.12	17.32	16.78	17.99	18.80	21.00	22.20	21.66	22.87	23.68
	4H	16.52	17.66	17.19	18.34	19.16	22.42	23.56	23.09	24.24	25.06
	6H	16.73	17.79	17.42	18.49	19.32	23.90	24.96	24.59	25.66	26.49
	8H	16.76	17.78	17.46	18.50	19.33	24.66	25.67	25.36	26.39	27.23
	12H	16.77	17.74	17.47	18.45	19.32	25.45	26.42	26.16	27.14	28.00
4H	2H	15.92	17.06	16.60	17.75	18.57	18.52	19.66	19.20	20.35	21.16
	3H	17.53	18.51	18.22	19.23	20.07	21.58	22.55	22.27	23.28	24.11
	4H	18.09	18.99	18.80	19.72	20.58	23.17	24.07	23.88	24.80	25.66
	6H	18.43	19.23	19.15	19.98	20.85	24.87	25.67	25.59	26.42	27.29
	8H	18.51	19.26	19.23	20.00	20.89	25.75	26.50	26.47	27.24	28.13
	12H	18.53	19.22	19.28	19.99	20.88	26.68	27.36	27.43	28.13	29.02
8H	4H	19.14	19.88	19.86	20.63	21.52	23.35	24.10	24.08	24.85	25.73
	6H	19.75	20.39	20.50	21.17	22.06	25.23	25.87	25.99	26.66	27.55
	8H	19.95	20.52	20.71	21.31	22.21	26.26	26.84	27.03	27.63	28.53
	12H	20.06	20.58	20.83	21.36	22.32	27.40	27.91	28.17	28.69	29.65
12H	4H	19.47	20.15	20.22	20.92	21.81	23.35	24.03	24.10	24.80	25.69
	6H	20.24	20.82	21.01	21.61	22.51	25.27	25.85	26.03	26.63	27.53
	8H	20.57	21.09	21.34	21.87	22.83	26.36	26.88	27.13	27.66	28.62