

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: P892683

Luminaire Tested: 2MB-3SL-RND-UNV-L940

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-7)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 2MB-3SL-RND-UNV-L940
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

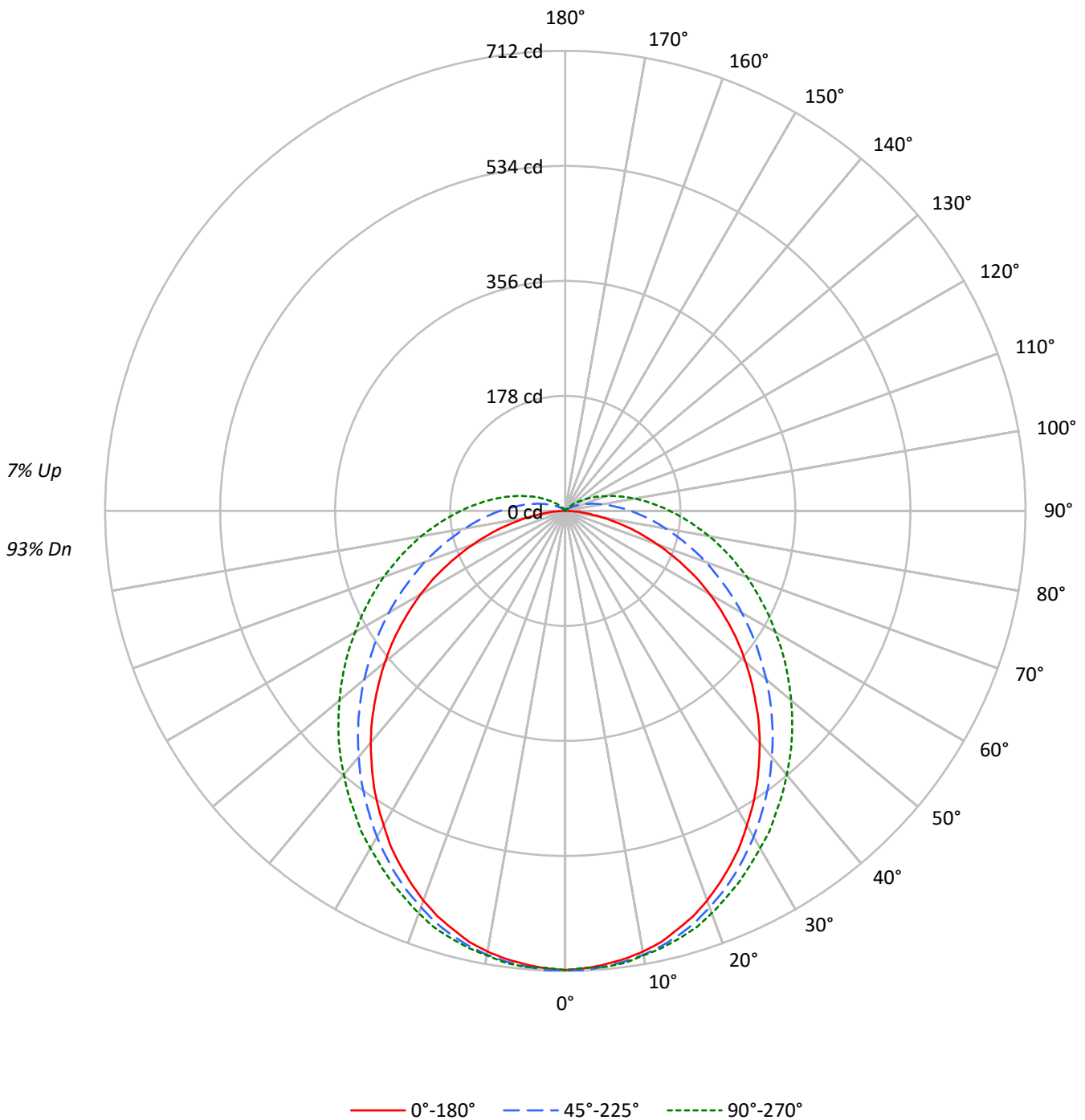
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2312.0 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 1.98' x H: 0')
CIE Type: 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: P892683
CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

Luminous Intensity Polar Plot





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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	77	77	77	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	70	67	63	63	63	63	61
3	87	75	67	60	83	73	65	59	69	62	57	65	60	55	62	57	53	53	53	53	50
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	45	45	45	43
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	39	39	39	37
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	31	31	31	31	28
8	58	44	35	29	56	43	35	29	41	34	29	39	33	28	38	32	27	27	27	27	25
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	25	25	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	22	22	22	22	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10165	10165	10165
5°	10118	10161	10176
10°	10061	10133	10148
15°	9932	10065	10139
20°	9769	9936	10089
25°	9546	9797	10018
30°	9282	9627	9957
35°	9029	9446	9935
40°	8742	9281	9952
45°	8420	9146	10035
50°	8108	9040	10151
55°	7767	8986	10380
60°	7396	9024	10735
65°	6926	9190	11384
70°	6345	9683	12523
75°	5737	10645	14454
80°	4852	12992	18660
85°	3939	20960	31613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 57918 cd/sqm



TEST NUMBER: P892683

CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	2.9
10°-20°	191.2	8.3
20°-30°	285.1	12.3
30°-40°	338.3	14.6
40°-50°	349.6	15.1
50°-60°	322.7	14.0
60°-70°	267.8	11.6
70°-80°	198.5	8.6
80°-90°	130.9	5.7
90°-100°	79.5	3.4
100°-110°	45.0	1.9
110°-120°	22.4	1.0
120°-130°	9.3	0.4
130°-140°	3.0	0.1
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	543.4	23.5
0°-40°	881.7	38.1
0°-60°	1554.0	67.2
0°-90°	2151.2	93.0
90°-120°	146.9	6.4
90°-150°	160.1	6.9
90°-180°	161.0	7.0
0°-180°	2312.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	711	711	711	711	711	
5°	705	715	708	706	709	67
15°	671	682	680	682	685	189
25°	605	615	621	627	635	278
35°	517	528	541	558	569	323
45°	416	429	452	479	496	321
55°	311	325	360	396	416	278
65°	205	226	272	315	336	203
75°	104	136	193	240	262	110
85°	24	68	128	173	193	27
90°	0	45	101	144	162	1
95°	0	27	77	117	134	0
105°	0	9	43	73	87	0
115°	0	2	20	41	51	0
125°	0	1	8	19	25	0
135°	1	0	2	7	9	1
145°	1	1	1	2	2	1
155°	1	1	1	0	0	0
165°	1	1	1	1	0	0
175°	1	1	1	1	0	0
180°	1	1	1	1	1	



TEST NUMBER: P892683

CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	708.6	706.6	707.6	707.6	710.6	718.6	715.6	715.6	715.6	707.6	711.6
5°	704.6	702.6	703.6	704.6	706.6	714.6	711.6	712.6	711.6	703.6	707.6
7.5°	699.6	697.6	697.6	698.6	701.6	709.6	706.6	707.6	706.6	698.6	703.6
10°	692.6	690.6	691.6	692.6	694.6	703.6	700.6	700.6	700.6	693.6	697.6
12.5°	683.6	681.6	682.6	683.6	686.6	693.6	690.6	691.6	691.6	685.6	689.6
15°	670.6	668.7	670.6	671.6	674.6	681.6	679.6	680.6	680.6	674.6	679.6
17.5°	657.7	654.7	656.7	657.7	661.7	667.7	665.7	667.7	667.7	661.7	667.7
20°	641.7	638.7	640.7	642.7	645.7	651.7	649.7	651.7	651.7	646.7	652.7
22.5°	623.7	620.7	622.7	624.7	628.7	633.7	632.7	634.7	634.7	630.7	637.7
25°	604.8	601.8	604.8	605.8	609.8	614.8	614.8	615.8	616.8	613.8	620.7
27.5°	584.8	580.8	583.8	585.8	589.8	594.8	594.8	596.8	596.8	595.8	601.8
30°	561.9	558.9	562.9	563.9	567.9	572.8	573.8	575.8	575.8	574.8	582.8
32.5°	539.9	536.9	539.9	541.9	546.9	550.9	551.9	553.9	554.9	554.9	561.9
35°	517.0	514.0	517.0	519.0	523.9	527.9	528.9	530.9	531.9	533.9	540.9
37.5°	492.0	490.0	493.0	495.0	500.0	504.0	505.0	508.0	509.0	512.0	520.0
40°	468.1	465.1	468.1	470.1	476.0	479.0	481.0	484.0	486.0	489.0	497.0
42.5°	443.1	441.1	443.1	447.1	451.1	455.1	457.1	460.1	463.1	468.1	475.0
45°	416.2	416.2	418.2	422.1	426.1	429.1	432.1	436.1	439.1	444.1	452.1
47.5°	390.2	390.2	392.2	395.2	400.2	403.2	406.2	411.2	414.2	420.2	429.1
50°	364.3	363.3	366.3	370.3	375.2	378.2	381.2	386.2	390.2	397.2	406.2
52.5°	338.3	336.3	339.3	344.3	348.3	352.3	355.3	360.3	365.3	374.2	382.2
55°	311.4	310.4	313.4	317.4	322.4	325.3	329.3	335.3	341.3	350.3	360.3
57.5°	284.4	284.4	287.4	291.4	297.4	300.4	304.4	311.4	317.4	327.3	337.3
60°	258.5	257.5	260.5	266.5	271.5	275.4	279.4	287.4	294.4	305.4	315.4
62.5°	232.5	231.5	235.5	239.5	246.5	250.5	254.5	263.5	271.5	283.4	293.4
65°	204.6	205.6	208.6	212.6	220.6	225.5	230.5	240.5	249.5	260.5	271.5
67.5°	177.6	177.6	181.6	186.6	196.6	201.6	206.6	217.6	226.5	239.5	250.5
70°	151.7	152.7	157.7	162.7	172.7	177.6	183.6	195.6	205.6	218.6	231.5
72.5°	126.7	128.7	132.7	140.7	150.7	155.7	162.7	174.6	184.6	198.6	211.6
75°	103.8	104.8	109.8	118.8	129.7	135.7	141.7	154.7	166.7	179.6	192.6
77.5°	79.8	81.8	87.8	97.8	110.8	116.8	122.8	136.7	148.7	161.7	174.6
80°	58.9	60.9	68.9	78.8	92.8	98.8	105.8	119.8	131.7	144.7	157.7
82.5°	39.9	42.9	50.9	61.9	75.8	82.8	89.8	103.8	116.8	129.7	142.7
85°	24.0	26.9	35.9	47.9	61.9	67.9	74.8	89.8	101.8	114.8	127.7
87.5°	10.0	15.0	24.0	35.9	48.9	54.9	62.9	76.8	88.8	100.8	113.8
90°	0.0	6.0	15.0	25.9	38.9	44.9	50.9	64.9	76.8	88.8	100.8
92.5°	0.0	2.0	9.0	18.0	29.9	34.9	40.9	53.9	64.9	76.8	88.8
95°	0.0	1.0	5.0	13.0	22.0	26.9	32.9	44.9	54.9	66.9	76.8
97.5°	0.0	0.0	3.0	9.0	17.0	21.0	25.9	36.9	46.9	56.9	67.9
100°	0.0	0.0	2.0	6.0	12.0	16.0	20.0	29.9	38.9	48.9	57.9
102.5°	0.0	0.0	1.0	4.0	9.0	12.0	15.0	24.0	31.9	40.9	49.9
105°	0.0	0.0	1.0	2.0	6.0	9.0	12.0	19.0	25.9	33.9	42.9
107.5°	0.0	0.0	0.0	2.0	5.0	7.0	9.0	15.0	21.0	27.9	35.9
110°	0.0	0.0	0.0	1.0	3.0	5.0	7.0	12.0	17.0	23.0	29.9



TEST NUMBER: P892683

CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	1.0	2.0	3.0	5.0	9.0	13.0	19.0	24.0
115°	0.0	0.0	0.0	0.0	1.0	2.0	3.0	7.0	10.0	15.0	20.0
117.5°	0.0	0.0	0.0	0.0	1.0	2.0	2.0	5.0	8.0	12.0	16.0
120°	0.0	0.0	0.0	0.0	1.0	1.0	2.0	4.0	6.0	9.0	13.0
122.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.0	7.0	10.0
125°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.0	5.0	8.0
127.5°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	2.0	4.0	6.0
130°	1.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0	2.0	3.0	4.0
132.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.0
135°	1.0	1.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0	1.0	2.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P892683

CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6	710.6
2.5°	711.6	703.6	708.6	707.6	706.6	704.6	709.6	705.6	707.6	707.6
5°	708.6	700.6	706.6	706.6	705.6	703.6	708.6	704.6	707.6	708.6
7.5°	703.6	697.6	703.6	702.6	702.6	700.6	705.6	702.6	705.6	705.6
10°	697.6	691.6	697.6	696.6	696.6	694.6	698.6	695.6	698.6	698.6
12.5°	689.6	683.6	690.6	689.6	688.6	687.6	691.6	688.6	692.6	692.6
15°	679.6	675.6	682.6	681.6	681.6	679.6	684.6	681.6	685.6	684.6
17.5°	668.7	664.7	671.6	671.6	670.6	670.6	673.6	670.6	675.6	675.6
20°	653.7	649.7	657.7	657.7	656.7	656.7	659.7	656.7	662.7	662.7
22.5°	637.7	634.7	641.7	642.7	641.7	641.7	644.7	642.7	648.7	648.7
25°	620.7	619.8	626.7	627.7	626.7	627.7	630.7	628.7	634.7	634.7
27.5°	602.8	602.8	609.8	610.8	611.8	611.8	614.8	612.8	619.8	618.8
30°	583.8	583.8	591.8	593.8	593.8	594.8	597.8	595.8	602.8	602.8
32.5°	563.9	564.9	572.8	575.8	575.8	577.8	579.8	578.8	585.8	587.8
35°	543.9	544.9	553.9	556.9	557.9	558.9	561.9	561.9	567.9	568.9
37.5°	521.0	524.9	532.9	536.9	537.9	539.9	542.9	542.9	549.9	551.9
40°	499.0	504.0	513.0	517.0	518.0	520.0	523.9	523.9	530.9	532.9
42.5°	478.0	484.0	492.0	498.0	499.0	502.0	504.0	506.0	513.0	515.0
45°	455.1	462.1	471.1	477.0	479.0	482.0	484.0	487.0	493.0	496.0
47.5°	433.1	440.1	450.1	457.1	458.1	462.1	464.1	467.1	473.0	476.0
50°	410.2	419.2	429.1	437.1	438.1	441.1	444.1	447.1	453.1	456.1
52.5°	388.2	397.2	407.2	415.2	417.2	420.2	423.1	426.1	433.1	436.1
55°	366.3	375.2	385.2	394.2	396.2	399.2	402.2	406.2	413.2	416.2
57.5°	344.3	354.3	364.3	373.2	375.2	379.2	382.2	386.2	392.2	396.2
60°	323.3	333.3	344.3	353.3	354.3	360.3	362.3	366.3	372.3	375.2
62.5°	301.4	314.4	323.3	333.3	335.3	339.3	342.3	346.3	352.3	356.3
65°	280.4	293.4	302.4	312.4	315.4	319.4	322.4	326.3	332.3	336.3
67.5°	260.5	273.4	283.4	293.4	296.4	299.4	303.4	307.4	312.4	317.4
70°	241.5	255.5	264.5	274.4	277.4	281.4	285.4	288.4	294.4	299.4
72.5°	222.6	236.5	245.5	256.5	258.5	262.5	266.5	270.5	275.4	279.4
75°	203.6	217.6	227.5	237.5	240.5	244.5	248.5	252.5	257.5	261.5
77.5°	185.6	199.6	209.6	220.6	222.6	226.5	231.5	235.5	239.5	243.5
80°	168.7	182.6	192.6	202.6	205.6	209.6	213.6	218.6	222.6	226.5
82.5°	153.7	166.7	175.6	186.6	188.6	192.6	196.6	200.6	204.6	208.6
85°	138.7	151.7	160.7	170.7	172.7	176.6	180.6	184.6	189.6	192.6
87.5°	124.7	136.7	146.7	155.7	157.7	161.7	165.7	168.7	172.7	176.6
90°	111.8	123.8	132.7	141.7	143.7	147.7	150.7	154.7	158.7	161.7
92.5°	98.8	110.8	118.8	127.7	129.7	133.7	137.7	140.7	144.7	147.7
95°	87.8	98.8	106.8	115.8	116.8	120.8	124.7	127.7	131.7	133.7
97.5°	76.8	87.8	95.8	103.8	104.8	108.8	112.8	115.8	118.8	121.8
100°	66.9	76.8	84.8	91.8	93.8	96.8	100.8	103.8	106.8	108.8
102.5°	57.9	66.9	73.9	81.8	82.8	86.8	89.8	92.8	95.8	97.8
105°	49.9	58.9	64.9	71.9	72.9	76.8	79.8	82.8	85.8	86.8
107.5°	42.9	49.9	55.9	62.9	64.9	66.9	69.9	72.9	75.8	76.8
110°	35.9	42.9	48.9	53.9	55.9	58.9	60.9	63.9	65.9	66.9



TEST NUMBER: P892683
 CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	29.9	35.9	40.9	46.9	47.9	50.9	52.9	54.9	57.9	58.9
115°	24.9	30.9	34.9	39.9	40.9	42.9	45.9	47.9	49.9	50.9
117.5°	21.0	24.9	28.9	32.9	34.9	36.9	38.9	40.9	41.9	42.9
120°	17.0	21.0	24.0	27.9	28.9	30.9	32.9	33.9	35.9	36.9
122.5°	13.0	17.0	20.0	23.0	24.0	25.9	26.9	28.9	29.9	29.9
125°	10.0	13.0	16.0	18.0	19.0	21.0	22.0	24.0	24.9	24.9
127.5°	8.0	10.0	12.0	15.0	15.0	17.0	18.0	19.0	20.0	20.0
130°	6.0	8.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	16.0
132.5°	4.0	6.0	7.0	9.0	9.0	10.0	11.0	11.0	12.0	12.0
135°	3.0	4.0	5.0	6.0	7.0	7.0	8.0	9.0	9.0	9.0
137.5°	2.0	3.0	4.0	5.0	5.0	5.0	6.0	6.0	7.0	7.0
140°	1.0	2.0	2.0	3.0	3.0	4.0	4.0	4.0	5.0	5.0
142.5°	1.0	1.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
145°	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0
175°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P892683
 CATALOG NUMBER: 2MB-3SL-RND-UNV-L940

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	18.14	19.67	18.61	20.13	20.61	19.91	21.44	20.38	21.90	22.38
	3H	19.76	21.16	20.24	21.63	22.15	22.49	23.89	22.97	24.35	24.88
	4H	20.35	21.67	20.85	22.16	22.69	23.79	25.11	24.29	25.60	26.14
	6H	20.74	21.98	21.26	22.48	23.03	25.18	26.42	25.70	26.91	27.47
	8H	20.86	22.05	21.39	22.57	23.13	25.92	27.10	26.44	27.62	28.18
	12H	20.94	22.08	21.47	22.59	23.18	26.76	27.90	27.29	28.41	29.00
4H	2H	19.11	20.44	19.61	20.92	21.46	20.45	21.78	20.95	22.26	22.80
	3H	21.04	22.18	21.56	22.70	23.26	23.33	24.46	23.85	24.99	25.55
	4H	21.81	22.84	22.34	23.38	23.97	24.84	25.88	25.38	26.41	27.01
	6H	22.38	23.29	22.93	23.86	24.46	26.47	27.38	27.02	27.95	28.55
	8H	22.55	23.42	23.11	23.98	24.60	27.33	28.19	27.89	28.76	29.38
	12H	22.68	23.46	23.26	24.05	24.68	28.32	29.11	28.90	29.70	30.32
8H	4H	22.70	23.57	23.26	24.13	24.75	25.19	26.06	25.75	26.62	27.24
	6H	23.57	24.31	24.17	24.91	25.54	27.08	27.81	27.67	28.41	29.04
	8H	23.92	24.58	24.53	25.20	25.84	28.14	28.81	28.75	29.42	30.06
	12H	24.19	24.78	24.80	25.38	26.09	29.39	29.98	30.00	30.59	31.29
12H	4H	22.98	23.77	23.57	24.36	24.98	25.23	26.02	25.81	26.61	27.23
	6H	24.02	24.69	24.63	25.30	25.94	27.18	27.84	27.78	28.46	29.10
	8H	24.54	25.13	25.15	25.74	26.44	28.36	28.95	28.97	29.56	30.26