

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: P893454

Luminaire Tested: 4MB-3SL-RNDU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893454
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-3SL-RNDU-UNV-L935
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

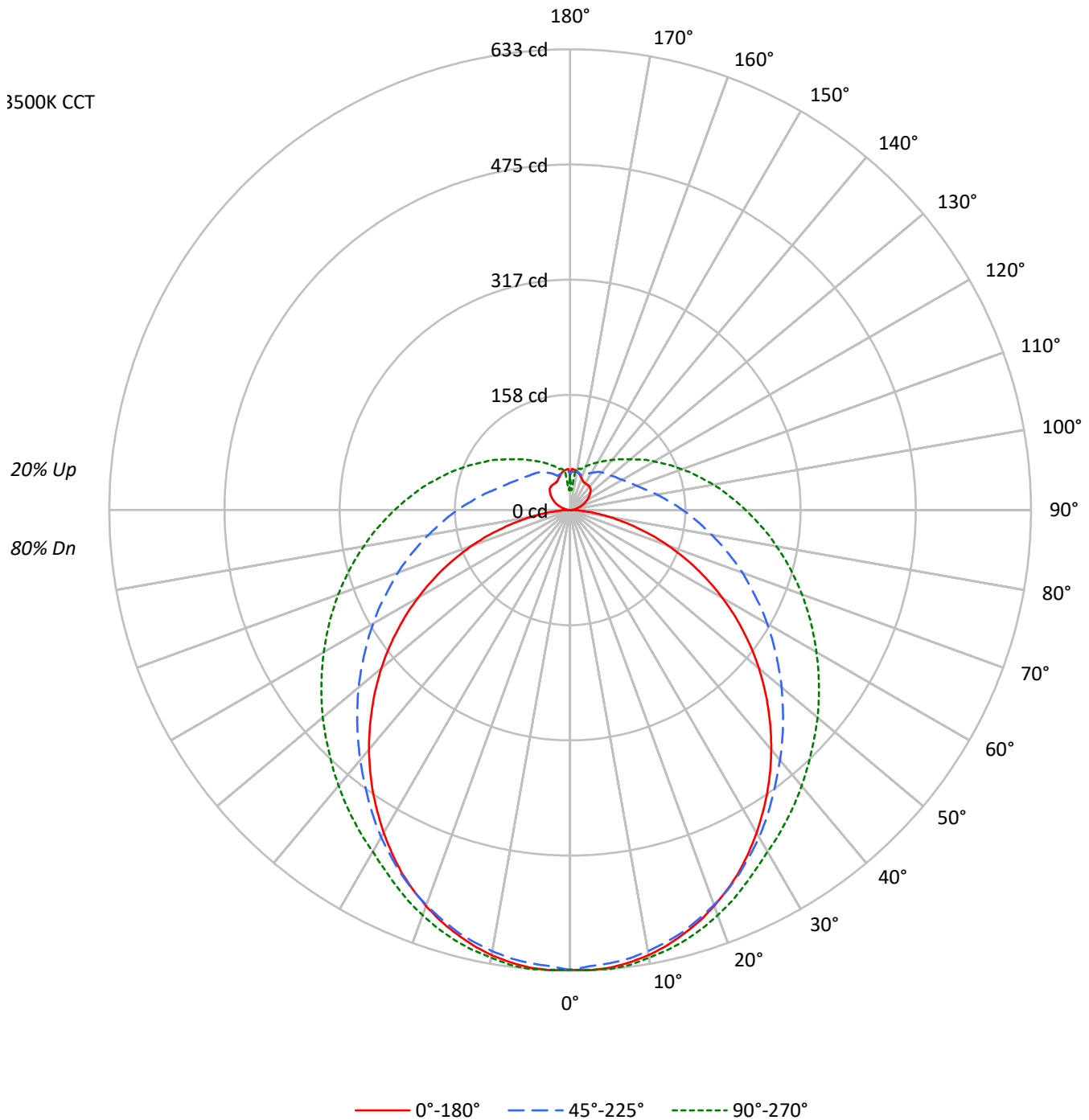
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2657.0 lumens
Efficiency: N/A
Efficacy: 125.9 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): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L935

Luminous Intensity Polar Plot





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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°	4495	4495	4495
5°	4487	4305	4314
10°	4445	4137	4114
15°	4380	3968	3930
20°	4301	3788	3741
25°	4206	3608	3552
30°	4084	3427	3383
35°	3958	3239	3260
40°	3824	3071	3148
45°	3678	2921	3047
50°	3526	2788	2970
55°	3351	2664	2903
60°	3152	2563	2852
65°	2911	2474	2824
70°	2613	2418	2815
75°	2212	2379	2827
80°	1728	2377	2872
85°	1103	2440	2966

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3678 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.8	2.2
10°-20°	170.4	6.4
20°-30°	255.9	9.6
30°-40°	307.7	11.6
40°-50°	326.0	12.3
50°-60°	313.9	11.8
60°-70°	277.8	10.5
70°-80°	227.9	8.6
80°-90°	176.8	6.7
90°-100°	137.2	5.2
100°-110°	108.7	4.1
110°-120°	86.6	3.3
120°-130°	68.8	2.6
130°-140°	53.7	2.0
140°-150°	39.5	1.5
150°-160°	26.2	1.0
160°-170°	15.1	0.6
170°-180°	4.8	0.2
0°-30°	486.1	18.3
0°-40°	793.7	29.9
0°-60°	1433.7	54.0
0°-90°	2116.2	79.6
90°-120°	332.6	12.5
90°-150°	494.7	18.6
90°-180°	541.0	20.4
0°-180°	2657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	631	632	625	630	633	60
15°	603	604	600	609	612	170
25°	549	551	551	564	568	252
35°	472	478	484	509	519	295
45°	385	394	414	453	469	297
55°	290	305	345	396	417	260
65°	192	219	281	340	365	190
75°	96	144	224	287	313	103
85°	22	87	175	239	264	25
90°	1	68	154	216	241	2
95°	3	56	136	195	219	3
105°	11	46	108	160	181	12
115°	22	44	90	130	148	21
125°	31	46	78	108	121	28
135°	40	49	70	90	99	30
145°	42	48	64	78	82	26
155°	43	50	55	66	70	20
165°	50	54	52	52	58	14
175°	56	55	53	44	30	5
180°	49	49	49	49	49	



TEST NUMBER: P893454
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	632.9	632.3	633.5	634.7	638.3	633.5	635.9	629.3	629.9	630.5	627.5
5°	631.1	629.3	631.1	632.3	635.3	631.7	634.1	626.9	627.5	628.7	625.1
7.5°	626.9	625.1	626.3	627.5	630.5	626.9	629.9	622.7	623.9	624.5	621.5
10°	620.9	618.5	619.7	621.5	623.9	620.9	623.3	616.7	617.3	618.5	615.5
12.5°	613.1	610.7	611.9	613.1	616.1	613.1	615.5	608.9	610.1	611.3	608.3
15°	602.9	600.5	601.7	602.9	605.3	603.5	605.9	599.2	600.5	602.9	599.9
17.5°	592.0	588.4	589.6	591.4	593.8	592.6	594.4	589.0	589.6	592.0	589.0
20°	578.8	575.2	576.4	578.2	580.6	580.0	581.2	576.4	577.6	580.6	577.6
22.5°	564.4	560.8	562.0	564.4	566.2	566.2	566.8	563.2	564.4	567.4	565.0
25°	548.8	545.2	546.4	548.8	550.6	550.6	551.8	548.2	550.0	553.0	550.6
27.5°	530.7	528.9	528.9	531.3	532.5	533.7	534.3	531.3	533.7	536.7	534.9
30°	512.1	509.7	510.9	513.9	513.9	516.3	516.3	513.9	516.9	520.5	519.3
32.5°	492.3	490.5	491.1	494.7	494.7	497.7	497.1	495.9	498.9	503.1	501.9
35°	472.4	470.6	471.2	474.8	474.8	478.4	477.2	477.2	480.2	485.0	483.8
37.5°	451.4	450.2	450.8	454.4	454.4	458.0	456.8	457.4	461.0	466.4	465.8
40°	429.8	428.6	429.8	432.8	434.0	437.0	435.8	437.0	441.8	446.6	448.4
42.5°	407.5	406.9	408.1	411.1	412.3	415.3	414.7	416.5	421.3	428.6	431.0
45°	384.7	384.7	385.9	388.9	390.1	393.7	393.1	395.5	401.5	409.3	413.5
47.5°	361.8	362.4	363.0	366.6	366.6	372.7	370.8	374.5	382.3	391.3	396.1
50°	338.4	339.6	340.2	343.2	344.4	349.8	348.6	354.6	363.0	372.7	379.3
52.5°	315.0	316.2	317.4	319.8	321.0	327.6	326.4	334.2	344.4	354.6	361.8
55°	290.3	292.7	293.3	296.3	298.1	304.7	304.7	313.7	324.6	336.0	345.0
57.5°	266.3	268.7	269.3	272.9	275.3	283.1	284.3	294.5	306.5	318.0	328.8
60°	241.6	244.6	245.2	248.8	253.0	261.5	263.3	274.7	287.9	299.9	312.5
62.5°	217.0	220.0	221.2	224.8	231.4	239.8	242.8	256.0	269.9	283.1	296.9
65°	192.3	195.3	197.1	202.0	209.8	218.8	223.0	236.8	252.4	266.3	280.7
67.5°	167.7	171.3	173.7	179.7	189.9	199.5	203.8	219.4	235.6	250.6	265.7
70°	143.7	147.3	150.3	158.1	170.1	179.7	185.1	202.0	218.8	235.0	251.8
72.5°	120.2	123.8	128.0	137.6	150.9	161.7	167.7	185.1	203.8	220.0	237.4
75°	96.2	100.4	105.2	118.4	133.4	144.3	150.9	169.5	188.7	205.0	223.6
77.5°	74.5	78.7	86.0	99.2	116.0	128.0	135.2	155.1	174.9	191.1	210.4
80°	54.7	58.9	68.5	82.9	100.4	111.8	120.8	141.2	161.7	178.5	197.7
82.5°	37.3	41.5	52.9	68.5	87.2	98.6	107.0	128.6	149.1	166.5	185.7
85°	21.6	27.6	39.7	56.5	75.7	87.2	95.6	117.8	137.6	155.1	174.9
87.5°	9.6	16.8	30.1	46.9	66.1	76.9	86.0	106.4	127.4	144.9	164.7
90°	0.6	9.6	23.4	39.7	58.3	68.5	76.9	97.4	117.2	135.2	154.5
92.5°	1.2	6.6	19.2	34.3	51.7	61.9	70.3	89.6	108.2	126.8	145.5
95°	3.0	6.6	16.8	30.7	46.9	56.5	64.3	82.9	100.4	118.4	136.4
97.5°	4.8	7.2	16.2	28.9	43.3	52.3	59.5	76.9	94.4	110.6	128.6
100°	6.6	9.0	16.2	27.6	40.9	49.3	55.9	72.1	88.4	103.4	121.4
102.5°	8.4	10.8	17.4	27.6	39.7	46.9	53.5	68.5	83.5	97.4	114.2
105°	10.8	12.6	18.6	27.6	38.5	45.7	51.1	64.9	79.3	92.6	107.6
107.5°	13.2	14.4	19.8	28.2	38.5	44.5	49.9	62.5	75.7	87.8	102.2
110°	16.2	16.8	21.6	29.5	38.5	43.9	48.7	60.7	72.7	84.1	97.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	18.6	18.6	23.4	30.7	38.5	43.9	48.1	58.9	70.3	80.5	93.2
115°	21.6	21.6	25.2	31.9	39.1	43.9	48.1	58.3	68.5	77.5	89.6
117.5°	24.0	24.0	27.6	33.1	40.3	44.5	48.1	57.1	66.7	75.1	86.0
120°	26.4	26.4	28.9	34.3	40.9	45.1	48.1	56.5	64.9	73.3	82.9
122.5°	28.9	28.9	30.7	36.1	41.5	45.1	48.1	55.9	63.7	70.9	79.9
125°	31.3	31.3	32.5	37.3	42.7	45.7	48.7	55.9	63.1	69.1	78.1
127.5°	33.7	33.1	34.9	39.1	43.3	46.3	49.3	55.9	61.9	67.9	75.7
130°	35.5	34.9	37.3	40.3	44.5	46.9	49.3	55.3	61.3	66.7	73.3
132.5°	37.9	36.7	39.7	40.9	45.7	48.1	49.9	55.3	60.7	65.5	72.1
135°	39.7	38.5	41.5	42.7	46.3	48.7	50.5	55.3	60.1	64.9	70.3
137.5°	40.9	40.3	43.3	44.5	46.9	49.3	51.1	55.3	59.5	63.7	69.1
140°	41.5	40.9	43.3	45.7	46.9	49.3	50.5	54.7	58.9	62.5	67.3
142.5°	42.1	42.1	43.9	46.3	46.9	48.7	50.5	54.1	57.7	60.7	66.1
145°	42.1	42.1	43.9	46.9	47.5	48.1	49.3	52.9	55.9	58.9	63.7
147.5°	42.1	42.1	44.5	46.9	48.1	48.7	48.1	51.7	54.7	57.1	61.3
150°	42.1	42.1	44.5	46.9	48.7	49.3	48.7	50.5	52.9	55.3	58.9
152.5°	42.7	42.7	44.5	46.9	48.7	49.3	49.3	49.3	51.1	53.5	57.1
155°	42.7	43.3	44.5	48.1	49.3	49.9	49.9	49.9	49.3	51.7	54.7
157.5°	44.5	45.1	45.7	48.7	49.9	50.5	50.5	50.5	49.9	49.3	52.3
160°	46.3	46.9	47.5	49.9	51.1	51.7	51.7	51.7	50.5	49.9	49.9
162.5°	48.1	49.3	49.3	50.5	51.7	52.3	52.3	52.9	51.7	51.1	50.5
165°	50.5	51.1	51.1	51.7	52.9	53.5	52.9	53.5	52.9	52.3	51.7
167.5°	52.3	52.9	52.9	53.5	53.5	54.1	54.1	54.1	53.5	52.9	52.9
170°	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.1	52.9	52.9
172.5°	55.3	55.9	55.9	55.3	55.3	55.3	55.3	54.7	53.5	52.9	52.9
175°	55.9	56.5	56.5	55.9	55.3	55.3	55.3	54.7	53.5	52.9	52.9
177.5°	56.5	57.1	56.5	56.5	55.3	55.3	55.3	55.3	54.1	53.5	52.9
180°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7	631.7
2.5°	631.1	623.9	628.7	629.3	631.7	629.3	631.1	629.3	634.1	632.3
5°	628.7	622.1	626.3	626.9	629.9	626.9	629.9	628.7	634.7	632.9
7.5°	624.5	619.1	622.7	623.3	626.9	623.9	626.9	625.7	632.9	630.5
10°	618.5	614.3	617.9	618.5	622.1	619.1	621.5	620.3	628.1	624.5
12.5°	611.9	608.3	611.3	611.9	616.1	613.1	616.1	614.9	622.7	619.1
15°	602.3	600.5	603.5	604.7	608.9	606.5	609.5	608.3	616.7	611.9
17.5°	592.6	591.4	594.4	595.6	600.5	597.4	600.5	599.2	607.7	602.9
20°	580.6	580.0	583.0	584.8	589.0	586.0	589.6	588.4	597.4	592.6
22.5°	568.0	568.0	570.4	572.2	576.4	574.0	577.6	577.0	586.0	581.2
25°	554.2	554.8	557.2	559.6	564.4	562.6	565.6	565.6	574.0	568.0
27.5°	538.5	541.5	543.4	546.4	550.6	548.8	551.8	552.4	560.8	554.8
30°	522.3	526.5	528.3	531.9	535.5	535.5	538.5	539.7	548.2	542.1
32.5°	505.5	510.3	512.7	517.5	522.3	522.3	526.5	528.3	536.7	531.3
35°	488.7	495.3	498.3	504.3	509.1	509.7	513.9	516.3	524.7	519.3
37.5°	472.4	480.8	483.8	491.1	495.3	496.5	501.3	504.3	512.1	507.3
40°	455.6	465.8	469.4	477.2	480.8	483.2	488.1	491.7	498.9	494.7
42.5°	439.4	450.8	454.4	462.8	467.0	469.4	474.2	479.0	486.3	482.0
45°	423.1	435.8	440.0	449.0	452.6	456.2	461.6	465.8	472.4	468.8
47.5°	407.5	420.7	424.9	434.6	438.8	443.0	447.8	453.8	459.8	456.2
50°	391.3	405.1	410.5	420.7	424.3	429.2	435.2	440.6	446.6	443.6
52.5°	375.7	390.1	395.5	406.3	410.5	415.3	421.3	427.3	432.8	430.4
55°	358.8	374.5	380.5	391.9	396.1	400.9	407.5	414.1	418.9	417.1
57.5°	343.2	359.4	365.4	378.1	381.7	387.7	394.3	401.5	405.7	403.9
60°	327.6	343.8	351.0	363.6	367.8	373.9	380.5	388.3	391.9	390.7
62.5°	311.9	328.8	336.6	349.8	353.4	360.0	367.8	374.5	378.1	377.5
65°	297.5	313.7	322.8	336.0	339.6	346.8	354.0	361.2	364.8	364.8
67.5°	282.5	299.9	308.9	322.8	325.8	333.6	341.4	348.6	351.6	351.6
70°	268.7	285.5	295.7	309.5	312.5	319.8	328.2	336.0	338.4	339.0
72.5°	254.8	271.7	282.5	296.9	299.9	307.1	315.0	323.4	325.2	325.8
75°	241.6	258.5	269.3	283.7	286.7	293.9	302.3	310.1	312.5	313.1
77.5°	228.4	245.2	257.3	271.1	274.1	281.3	289.7	297.5	299.3	300.5
80°	216.4	232.6	244.0	259.1	262.1	269.3	277.1	284.9	286.1	287.9
82.5°	204.4	220.6	232.6	247.0	250.0	257.3	265.1	272.9	274.1	276.5
85°	192.9	209.2	221.2	235.0	238.6	245.2	253.6	260.9	262.1	263.9
87.5°	182.7	197.7	210.4	223.6	227.2	233.8	242.2	249.4	250.0	252.4
90°	171.9	186.9	199.5	212.8	216.4	222.4	230.8	238.0	239.2	241.0
92.5°	162.9	176.7	189.9	202.6	205.6	212.2	220.0	227.2	228.4	230.2
95°	153.3	167.1	180.3	192.3	195.3	202.0	209.2	216.4	217.6	219.4
97.5°	144.9	158.1	170.7	182.7	185.7	191.7	199.5	206.2	207.4	209.8
100°	137.0	149.7	162.9	173.7	176.7	182.7	189.9	196.5	197.7	200.2
102.5°	129.8	141.8	154.5	164.7	168.3	173.7	180.9	186.9	188.1	189.9
105°	123.2	134.6	146.7	156.3	159.9	165.3	171.9	177.9	179.1	180.9
107.5°	116.6	127.4	138.8	148.5	151.5	156.3	162.9	168.9	170.1	172.5
110°	110.6	121.4	132.2	141.2	144.9	148.5	155.1	160.5	161.7	163.5



TEST NUMBER: P893454
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	105.2	114.8	125.6	134.0	137.0	141.2	146.7	152.1	153.3	155.7
115°	100.4	109.4	120.2	128.0	130.4	134.0	140.0	144.9	146.1	147.9
117.5°	96.2	104.0	113.6	121.4	124.4	127.4	132.8	137.0	138.8	140.0
120°	92.6	99.8	108.2	115.4	119.0	121.4	126.2	130.4	132.2	133.4
122.5°	89.0	95.6	103.4	110.0	113.0	114.8	120.2	123.8	125.6	127.4
125°	86.0	92.0	99.2	104.6	107.6	109.4	114.2	117.8	119.6	120.8
127.5°	82.9	88.4	95.6	99.8	102.8	104.0	108.2	111.8	113.6	114.2
130°	79.9	85.3	91.4	95.6	98.0	99.8	103.4	105.8	107.6	108.2
132.5°	77.5	82.3	87.8	92.0	94.4	95.0	98.6	101.0	102.8	103.4
135°	75.7	79.3	84.7	88.4	90.2	91.4	94.4	96.2	98.0	98.6
137.5°	73.3	76.9	81.7	84.1	86.6	87.2	90.2	92.0	93.8	94.4
140°	71.5	74.5	78.7	81.1	83.5	83.5	86.0	87.8	89.6	89.6
142.5°	69.7	72.7	76.3	78.7	80.5	80.5	82.9	84.1	86.0	86.0
145°	67.3	70.3	73.9	75.7	77.5	77.5	79.3	80.5	82.3	82.3
147.5°	64.9	67.9	71.5	72.7	74.5	74.5	76.3	77.5	78.7	78.7
150°	61.9	64.3	68.5	70.3	72.1	72.1	73.3	74.5	75.7	75.7
152.5°	59.5	61.3	64.9	67.3	69.1	69.1	70.3	71.5	72.7	72.7
155°	56.5	58.3	61.3	64.3	66.1	66.7	67.9	68.5	69.7	69.7
157.5°	54.1	55.9	58.3	60.7	62.5	63.7	65.5	66.1	66.7	66.7
160°	51.1	52.3	54.7	57.1	58.9	60.1	63.1	63.7	64.3	64.3
162.5°	49.9	49.9	51.1	52.9	54.7	55.3	58.3	60.7	61.9	61.3
165°	50.5	49.9	49.9	50.5	51.7	52.3	54.1	57.7	58.9	58.3
167.5°	51.7	50.5	49.9	49.9	51.1	51.1	52.9	55.9	59.5	58.3
170°	51.7	49.9	48.7	48.7	49.3	49.3	50.5	52.3	55.9	56.5
172.5°	51.1	49.9	48.1	45.7	46.3	45.7	45.1	46.3	46.9	52.9
175°	51.7	49.9	48.1	45.1	43.9	42.1	39.1	36.7	36.1	29.5
177.5°	51.1	49.3	46.9	44.5	43.3	40.9	37.3	33.1	30.7	27.0
180°	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7



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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	12.15	13.46	12.79	14.13	14.90	15.70	17.01	16.34	17.67	18.44
	3H	13.50	14.70	14.16	15.37	16.18	18.61	19.81	19.27	20.49	21.29
	4H	13.91	15.04	14.58	15.73	16.55	20.09	21.23	20.76	21.92	22.73
	6H	14.12	15.18	14.81	15.88	16.71	21.65	22.71	22.33	23.41	24.24
	8H	14.16	15.17	14.85	15.89	16.72	22.46	23.48	23.15	24.19	25.03
	12H	14.16	15.14	14.86	15.85	16.71	23.34	24.31	24.04	25.02	25.89
4H	2H	13.29	14.43	13.97	15.12	15.93	16.02	17.16	16.69	17.84	18.66
	3H	14.94	15.91	15.62	16.64	17.47	19.17	20.14	19.86	20.87	21.70
	4H	15.51	16.41	16.21	17.13	17.99	20.82	21.72	21.52	22.44	23.30
	6H	15.85	16.64	16.57	17.39	18.26	22.59	23.39	23.31	24.14	25.00
	8H	15.92	16.67	16.65	17.42	18.30	23.52	24.27	24.25	25.02	25.90
	12H	15.95	16.63	16.70	17.40	18.29	24.55	25.23	25.29	26.00	26.89
8H	4H	16.59	17.34	17.32	18.09	18.97	20.99	21.74	21.72	22.49	23.37
	6H	17.20	17.84	17.96	18.63	19.51	22.94	23.58	23.70	24.37	25.25
	8H	17.40	17.98	18.16	18.76	19.66	24.03	24.60	24.79	25.39	26.29
	12H	17.51	18.03	18.28	18.81	19.76	25.24	25.76	26.01	26.54	27.50
12H	4H	16.95	17.63	17.69	18.40	19.29	20.99	21.67	21.73	22.44	23.33
	6H	17.72	18.30	18.49	19.09	19.99	22.97	23.55	23.74	24.34	25.24
	8H	18.05	18.57	18.82	19.35	20.30	24.12	24.64	24.89	25.42	26.37