

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: P893449

Luminaire Tested: 4MB-3SL-RNDU-UNV-L830

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893449  
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-L830  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5  
Light Source: -  
Ballast/Driver: -

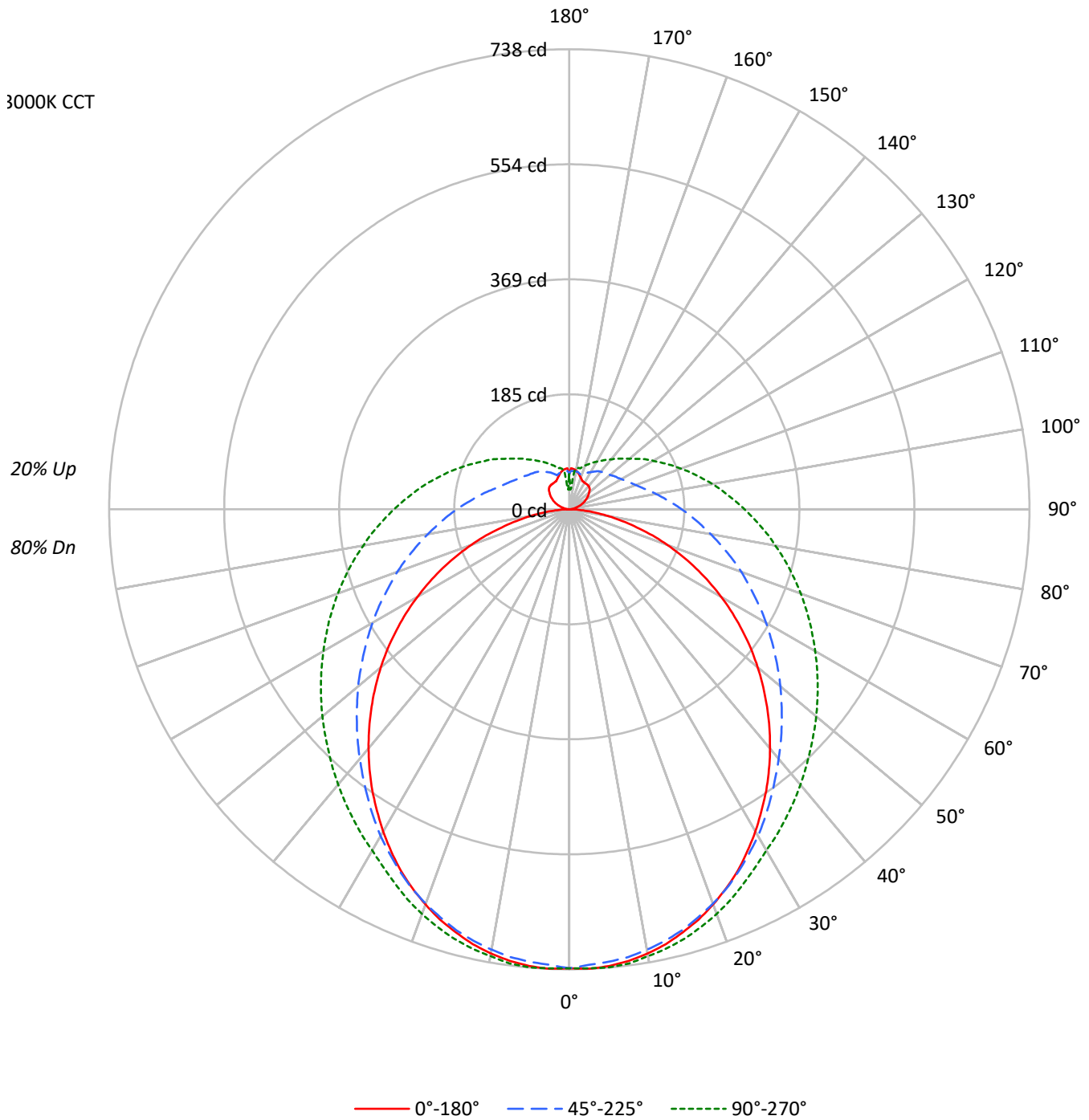
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3097.0 lumens  
Efficiency: N/A  
Efficacy: 146.8 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<sub>in</sub>): 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-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P893449

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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°	5239	5239	5239
5°	5230	5017	5028
10°	5181	4822	4796
15°	5104	4624	4581
20°	5013	4416	4361
25°	4902	4205	4140
30°	4760	3994	3944
35°	4614	3776	3800
40°	4457	3579	3669
45°	4287	3405	3552
50°	4109	3250	3462
55°	3906	3105	3383
60°	3674	2988	3325
65°	3393	2884	3292
70°	3044	2819	3281
75°	2578	2772	3295
80°	2016	2772	3348
85°	1287	2845	3457

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4287 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.7	2.2
10°-20°	198.6	6.4
20°-30°	298.2	9.6
30°-40°	358.6	11.6
40°-50°	380.0	12.3
50°-60°	365.9	11.8
60°-70°	323.8	10.5
70°-80°	265.6	8.6
80°-90°	206.1	6.7
90°-100°	160.0	5.2
100°-110°	126.8	4.1
110°-120°	101.0	3.3
120°-130°	80.2	2.6
130°-140°	62.6	2.0
140°-150°	46.1	1.5
150°-160°	30.5	1.0
160°-170°	17.5	0.6
170°-180°	5.6	0.2
0°-30°	566.5	18.3
0°-40°	925.2	29.9
0°-60°	1671.1	54.0
0°-90°	2466.7	79.6
90°-120°	387.7	12.5
90°-150°	576.7	18.6
90°-180°	630.0	20.3
0°-180°	3097.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	736	736	729	734	738	70
15°	703	703	699	710	713	198
25°	640	642	642	658	662	294
35°	551	558	564	593	605	344
45°	448	459	482	528	546	346
55°	338	355	402	462	486	303
65°	224	255	327	396	425	222
75°	112	168	261	334	365	120
85°	25	102	204	278	308	29
90°	1	80	180	252	281	2
95°	4	66	159	228	256	4
105°	13	53	125	186	211	13
115°	25	51	104	152	172	25
125°	36	53	91	125	141	32
135°	46	57	82	105	115	35
145°	49	56	74	90	96	31
155°	50	58	64	77	81	23
165°	59	62	60	60	68	16
175°	65	64	62	51	34	6
180°	57	57	57	57	57	



TEST NUMBER: P893449  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3
2.5°	737.7	737.0	738.4	739.8	744.0	738.4	741.2	733.5	734.2	734.9	731.4
5°	735.6	733.5	735.6	737.0	740.5	736.3	739.1	730.7	731.4	732.8	728.6
7.5°	730.7	728.6	730.0	731.4	734.9	730.7	734.2	725.8	727.2	727.9	724.4
10°	723.7	720.9	722.3	724.4	727.2	723.7	726.5	718.8	719.5	720.9	717.4
12.5°	714.6	711.8	713.2	714.6	718.1	714.6	717.4	709.7	711.1	712.5	709.0
15°	702.7	699.9	701.3	702.7	705.5	703.4	706.2	698.5	699.9	702.7	699.2
17.5°	690.1	685.9	687.3	689.4	692.2	690.8	692.9	686.6	687.3	690.1	686.6
20°	674.7	670.5	671.9	674.0	676.8	676.1	677.5	671.9	673.3	676.8	673.3
22.5°	657.9	653.6	655.0	657.9	660.0	660.0	660.7	656.4	657.9	661.4	658.6
25°	639.6	635.4	636.8	639.6	641.7	641.7	643.1	638.9	641.0	644.5	641.7
27.5°	618.6	616.5	616.5	619.3	620.7	622.1	622.8	619.3	622.1	625.6	623.5
30°	596.9	594.1	595.5	599.0	599.0	601.8	601.8	599.0	602.5	606.7	605.3
32.5°	573.8	571.7	572.4	576.6	576.6	580.1	579.4	578.0	581.5	586.4	585.0
35°	550.7	548.6	549.3	553.5	553.5	557.7	556.3	556.3	559.8	565.4	564.0
37.5°	526.1	524.7	525.4	529.6	529.6	533.8	532.4	533.1	537.4	543.7	543.0
40°	500.9	499.5	500.9	504.4	505.8	509.3	507.9	509.3	514.9	520.5	522.6
42.5°	475.0	474.3	475.7	479.2	480.6	484.1	483.4	485.5	491.1	499.5	502.3
45°	448.4	448.4	449.8	453.3	454.7	458.9	458.2	461.0	468.0	477.1	482.0
47.5°	421.8	422.5	423.2	427.4	427.4	434.4	432.3	436.5	445.6	456.1	461.7
50°	394.4	395.8	396.5	400.0	401.4	407.7	406.3	413.3	423.2	434.4	442.1
52.5°	367.1	368.5	369.9	372.7	374.1	381.8	380.4	389.5	401.4	413.3	421.8
55°	338.4	341.2	341.9	345.4	347.5	355.2	355.2	365.7	378.3	391.6	402.1
57.5°	310.4	313.2	313.9	318.1	320.9	330.0	331.4	343.3	357.3	370.6	383.2
60°	281.6	285.1	285.8	290.0	294.9	304.8	306.9	320.2	335.6	349.6	364.3
62.5°	252.9	256.4	257.8	262.0	269.7	279.5	283.0	298.4	314.6	330.0	346.1
65°	224.2	227.7	229.8	235.4	244.5	255.0	259.9	276.0	294.2	310.4	327.2
67.5°	195.5	199.7	202.5	209.5	221.4	232.6	237.5	255.7	274.6	292.1	309.7
70°	167.4	171.6	175.1	184.3	198.3	209.5	215.8	235.4	255.0	273.9	293.5
72.5°	140.1	144.3	149.2	160.4	175.8	188.5	195.5	215.8	237.5	256.4	276.7
75°	112.1	117.0	122.6	138.0	155.5	168.1	175.8	197.6	220.0	238.9	260.6
77.5°	86.9	91.8	100.2	115.6	135.2	149.2	157.6	180.8	203.9	222.8	245.2
80°	63.8	68.7	79.9	96.7	117.0	130.3	140.8	164.6	188.5	208.1	230.5
82.5°	43.4	48.3	61.7	79.9	101.6	114.9	124.7	149.9	173.7	194.1	216.5
85°	25.2	32.2	46.2	65.9	88.3	101.6	111.4	137.3	160.4	180.8	203.9
87.5°	11.2	19.6	35.0	54.6	77.1	89.7	100.2	124.0	148.5	168.8	192.0
90°	0.7	11.2	27.3	46.2	68.0	79.9	89.7	113.5	136.6	157.6	180.1
92.5°	1.4	7.7	22.4	39.9	60.3	72.2	82.0	104.4	126.1	147.8	169.5
95°	3.5	7.7	19.6	35.7	54.6	65.9	75.0	96.7	117.0	138.0	159.0
97.5°	5.6	8.4	18.9	33.6	50.4	61.0	69.4	89.7	110.0	128.9	149.9
100°	7.7	10.5	18.9	32.2	47.6	57.4	65.2	84.1	103.0	120.5	141.5
102.5°	9.8	12.6	20.3	32.2	46.2	54.6	62.4	79.9	97.4	113.5	133.1
105°	12.6	14.7	21.7	32.2	44.8	53.2	59.5	75.7	92.5	107.9	125.4
107.5°	15.4	16.8	23.1	32.9	44.8	51.8	58.1	72.9	88.3	102.3	119.1
110°	18.9	19.6	25.2	34.3	44.8	51.1	56.7	70.8	84.8	98.1	113.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	21.7	21.7	27.3	35.7	44.8	51.1	56.0	68.7	82.0	93.9	108.6
115°	25.2	25.2	29.4	37.1	45.5	51.1	56.0	68.0	79.9	90.4	104.4
117.5°	28.0	28.0	32.2	38.5	46.9	51.8	56.0	66.6	77.8	87.6	100.2
120°	30.8	30.8	33.6	39.9	47.6	52.5	56.0	65.9	75.7	85.5	96.7
122.5°	33.6	33.6	35.7	42.0	48.3	52.5	56.0	65.2	74.3	82.7	93.2
125°	36.4	36.4	37.8	43.4	49.7	53.2	56.7	65.2	73.6	80.6	91.1
127.5°	39.2	38.5	40.6	45.5	50.4	53.9	57.4	65.2	72.2	79.2	88.3
130°	41.3	40.6	43.4	46.9	51.8	54.6	57.4	64.5	71.5	77.8	85.5
132.5°	44.1	42.7	46.2	47.6	53.2	56.0	58.1	64.5	70.8	76.4	84.1
135°	46.2	44.8	48.3	49.7	53.9	56.7	58.8	64.5	70.1	75.7	82.0
137.5°	47.6	46.9	50.4	51.8	54.6	57.4	59.5	64.5	69.4	74.3	80.6
140°	48.3	47.6	50.4	53.2	54.6	57.4	58.8	63.8	68.7	72.9	78.5
142.5°	49.0	49.0	51.1	53.9	54.6	56.7	58.8	63.1	67.3	70.8	77.1
145°	49.0	49.0	51.1	54.6	55.3	56.0	57.4	61.7	65.2	68.7	74.3
147.5°	49.0	49.0	51.8	54.6	56.0	56.7	56.0	60.3	63.8	66.6	71.5
150°	49.0	49.0	51.8	54.6	56.7	57.4	56.7	58.8	61.7	64.5	68.7
152.5°	49.7	49.7	51.8	54.6	56.7	57.4	57.4	57.4	59.5	62.4	66.6
155°	49.7	50.4	51.8	56.0	57.4	58.1	58.1	58.1	57.4	60.3	63.8
157.5°	51.8	52.5	53.2	56.7	58.1	58.8	58.8	58.8	58.1	57.4	61.0
160°	53.9	54.6	55.3	58.1	59.5	60.3	60.3	60.3	58.8	58.1	58.1
162.5°	56.0	57.4	57.4	58.8	60.3	61.0	61.0	61.7	60.3	59.5	58.8
165°	58.8	59.5	59.5	60.3	61.7	62.4	61.7	62.4	61.7	61.0	60.3
167.5°	61.0	61.7	61.7	62.4	62.4	63.1	63.1	63.1	62.4	61.7	61.7
170°	63.1	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.1	61.7	61.7
172.5°	64.5	65.2	65.2	64.5	64.5	64.5	64.5	63.8	62.4	61.7	61.7
175°	65.2	65.9	65.9	65.2	64.5	64.5	64.5	63.8	62.4	61.7	61.7
177.5°	65.9	66.6	65.9	65.9	64.5	64.5	64.5	64.5	63.1	62.4	61.7
180°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3	736.3
2.5°	735.6	727.2	732.8	733.5	736.3	733.5	735.6	733.5	739.1	737.0
5°	732.8	725.1	730.0	730.7	734.2	730.7	734.2	732.8	739.8	737.7
7.5°	727.9	721.6	725.8	726.5	730.7	727.2	730.7	729.3	737.7	734.9
10°	720.9	716.0	720.2	720.9	725.1	721.6	724.4	723.0	732.1	727.9
12.5°	713.2	709.0	712.5	713.2	718.1	714.6	718.1	716.7	725.8	721.6
15°	702.0	699.9	703.4	704.8	709.7	706.9	710.4	709.0	718.8	713.2
17.5°	690.8	689.4	692.9	694.3	699.9	696.4	699.9	698.5	708.3	702.7
20°	676.8	676.1	679.6	681.7	686.6	683.1	687.3	685.9	696.4	690.8
22.5°	662.1	662.1	664.9	667.0	671.9	669.1	673.3	672.6	683.1	677.5
25°	645.9	646.6	649.4	652.2	657.9	655.7	659.3	659.3	669.1	662.1
27.5°	627.7	631.2	633.3	636.8	641.7	639.6	643.1	643.8	653.6	646.6
30°	608.8	613.7	615.8	620.0	624.2	624.2	627.7	629.1	638.9	631.9
32.5°	589.2	594.8	597.6	603.2	608.8	608.8	613.7	615.8	625.6	619.3
35°	569.6	577.3	580.8	587.8	593.4	594.1	599.0	601.8	611.6	605.3
37.5°	550.7	560.5	564.0	572.4	577.3	578.7	584.3	587.8	596.9	591.3
40°	531.0	543.0	547.2	556.3	560.5	563.3	568.9	573.1	581.5	576.6
42.5°	512.1	525.4	529.6	539.5	544.4	547.2	552.8	558.4	566.8	561.9
45°	493.2	507.9	512.8	523.3	527.5	531.7	538.1	543.0	550.7	546.5
47.5°	475.0	490.4	495.3	506.5	511.4	516.3	521.9	528.9	535.9	531.7
50°	456.1	472.2	478.5	490.4	494.6	500.2	507.2	513.5	520.5	517.0
52.5°	437.9	454.7	461.0	473.6	478.5	484.1	491.1	498.1	504.4	501.6
55°	418.3	436.5	443.5	456.8	461.7	467.3	475.0	482.7	488.3	486.2
57.5°	400.0	419.0	426.0	440.7	444.9	451.9	459.6	468.0	472.9	470.8
60°	381.8	400.7	409.1	423.9	428.8	435.8	443.5	452.6	456.8	455.4
62.5°	363.6	383.2	392.3	407.7	411.9	419.7	428.8	436.5	440.7	440.0
65°	346.8	365.7	376.2	391.6	395.8	404.2	412.6	421.1	425.3	425.3
67.5°	329.3	349.6	360.1	376.2	379.7	388.8	397.9	406.3	409.8	409.8
70°	313.2	332.8	344.7	360.8	364.3	372.7	382.5	391.6	394.4	395.1
72.5°	297.0	316.7	329.3	346.1	349.6	358.0	367.1	376.9	379.0	379.7
75°	281.6	301.3	313.9	330.7	334.2	342.6	352.4	361.5	364.3	365.0
77.5°	266.2	285.8	299.9	316.0	319.5	327.9	337.7	346.8	348.9	350.3
80°	252.2	271.1	284.4	302.0	305.5	313.9	323.0	332.1	333.5	335.6
82.5°	238.2	257.1	271.1	287.9	291.4	299.9	309.0	318.1	319.5	322.3
85°	224.9	243.8	257.8	273.9	278.1	285.8	295.6	304.1	305.5	307.6
87.5°	213.0	230.5	245.2	260.6	264.8	272.5	282.3	290.7	291.4	294.2
90°	200.4	217.9	232.6	248.0	252.2	259.2	269.0	277.4	278.8	280.9
92.5°	189.9	206.0	221.4	236.1	239.6	247.3	256.4	264.8	266.2	268.3
95°	178.6	194.8	210.2	224.2	227.7	235.4	243.8	252.2	253.6	255.7
97.5°	168.8	184.3	199.0	213.0	216.5	223.5	232.6	240.3	241.7	244.5
100°	159.7	174.4	189.9	202.5	206.0	213.0	221.4	229.1	230.5	233.3
102.5°	151.3	165.3	180.1	192.0	196.2	202.5	210.9	217.9	219.3	221.4
105°	143.6	156.9	170.9	182.2	186.4	192.7	200.4	207.4	208.8	210.9
107.5°	135.9	148.5	161.8	173.0	176.5	182.2	189.9	196.9	198.3	201.1
110°	128.9	141.5	154.1	164.6	168.8	173.0	180.8	187.1	188.5	190.6





TEST NUMBER: P893449  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	122.6	133.8	146.4	156.2	159.7	164.6	170.9	177.2	178.6	181.5
115°	117.0	127.5	140.1	149.2	152.0	156.2	163.2	168.8	170.2	172.3
117.5°	112.1	121.2	132.4	141.5	145.0	148.5	154.8	159.7	161.8	163.2
120°	107.9	116.3	126.1	134.5	138.7	141.5	147.1	152.0	154.1	155.5
122.5°	103.7	111.4	120.5	128.2	131.7	133.8	140.1	144.3	146.4	148.5
125°	100.2	107.2	115.6	121.9	125.4	127.5	133.1	137.3	139.4	140.8
127.5°	96.7	103.0	111.4	116.3	119.8	121.2	126.1	130.3	132.4	133.1
130°	93.2	99.5	106.5	111.4	114.2	116.3	120.5	123.3	125.4	126.1
132.5°	90.4	96.0	102.3	107.2	110.0	110.7	114.9	117.7	119.8	120.5
135°	88.3	92.5	98.8	103.0	105.1	106.5	110.0	112.1	114.2	114.9
137.5°	85.5	89.7	95.3	98.1	100.9	101.6	105.1	107.2	109.3	110.0
140°	83.4	86.9	91.8	94.6	97.4	97.4	100.2	102.3	104.4	104.4
142.5°	81.3	84.8	89.0	91.8	93.9	93.9	96.7	98.1	100.2	100.2
145°	78.5	82.0	86.2	88.3	90.4	90.4	92.5	93.9	96.0	96.0
147.5°	75.7	79.2	83.4	84.8	86.9	86.9	89.0	90.4	91.8	91.8
150°	72.2	75.0	79.9	82.0	84.1	84.1	85.5	86.9	88.3	88.3
152.5°	69.4	71.5	75.7	78.5	80.6	80.6	82.0	83.4	84.8	84.8
155°	65.9	68.0	71.5	75.0	77.1	77.8	79.2	79.9	81.3	81.3
157.5°	63.1	65.2	68.0	70.8	72.9	74.3	76.4	77.1	77.8	77.8
160°	59.5	61.0	63.8	66.6	68.7	70.1	73.6	74.3	75.0	75.0
162.5°	58.1	58.1	59.5	61.7	63.8	64.5	68.0	70.8	72.2	71.5
165°	58.8	58.1	58.1	58.8	60.3	61.0	63.1	67.3	68.7	68.0
167.5°	60.3	58.8	58.1	58.1	59.5	59.5	61.7	65.2	69.4	68.0
170°	60.3	58.1	56.7	56.7	57.4	57.4	58.8	61.0	65.2	65.9
172.5°	59.5	58.1	56.0	53.2	53.9	53.2	52.5	53.9	54.6	61.7
175°	60.3	58.1	56.0	52.5	51.1	49.0	45.5	42.7	42.0	34.3
177.5°	59.5	57.4	54.6	51.8	50.4	47.6	43.4	38.5	35.7	31.5
180°	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7



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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	12.68	14.00	13.33	14.66	15.43	16.23	17.54	16.87	18.21	18.98
	3H	14.03	15.23	14.69	15.91	16.71	19.15	20.34	19.80	21.02	21.82
	4H	14.44	15.58	15.11	16.26	17.08	20.62	21.76	21.30	22.45	23.26
	6H	14.65	15.72	15.34	16.41	17.24	22.18	23.24	22.87	23.94	24.77
	8H	14.69	15.71	15.38	16.42	17.26	22.99	24.01	23.69	24.73	25.56
	12H	14.69	15.67	15.40	16.38	17.24	23.87	24.85	24.57	25.56	26.42
4H	2H	13.83	14.97	14.50	15.65	16.47	16.55	17.69	17.23	18.38	19.19
	3H	15.47	16.45	16.16	17.17	18.00	19.70	20.68	20.39	21.40	22.23
	4H	16.04	16.94	16.74	17.66	18.53	21.35	22.25	22.05	22.98	23.84
	6H	16.38	17.18	17.10	17.93	18.79	23.12	23.92	23.84	24.67	25.54
	8H	16.45	17.20	17.18	17.95	18.83	24.06	24.81	24.78	25.55	26.44
	12H	16.48	17.16	17.23	17.93	18.82	25.08	25.76	25.83	26.53	27.42
8H	4H	17.12	17.88	17.85	18.62	19.51	21.52	22.28	22.25	23.02	23.91
	6H	17.73	18.37	18.49	19.16	20.05	23.47	24.12	24.23	24.90	25.79
	8H	17.93	18.51	18.70	19.30	20.19	24.56	25.14	25.32	25.92	26.82
	12H	18.04	18.56	18.81	19.34	20.30	25.78	26.29	26.55	27.07	28.03
12H	4H	17.48	18.16	18.23	18.93	19.82	21.52	22.20	22.27	22.97	23.86
	6H	18.26	18.84	19.02	19.62	20.52	23.51	24.09	24.27	24.87	25.77
	8H	18.58	19.10	19.35	19.88	20.84	24.65	25.17	25.42	25.95	26.91