

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: P893453

Luminaire Tested: 4MB-3SL-RNDU-UNV-L930

Issue Date: 11/11/2024

**Test Information**

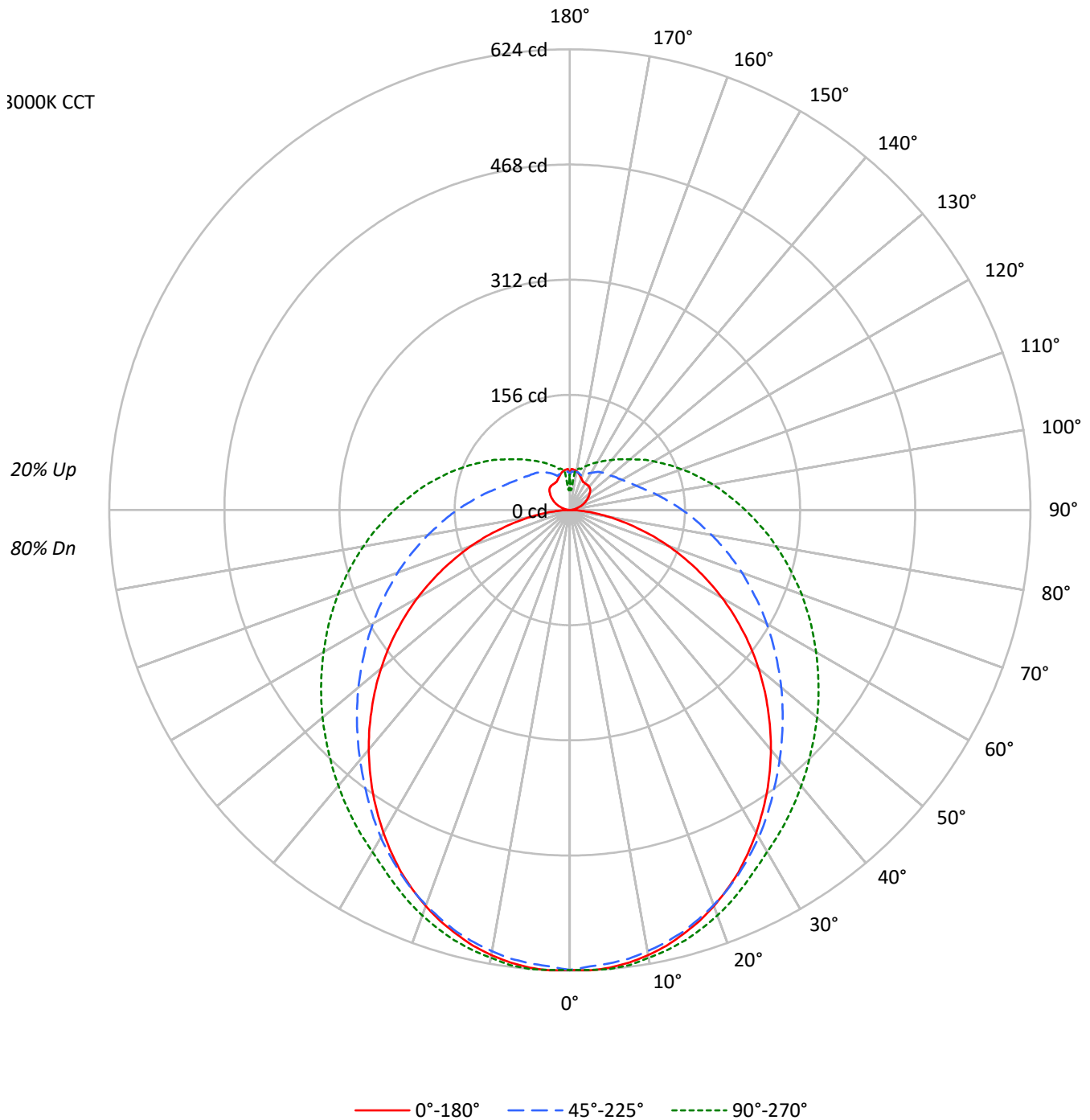
Test Method: LM-79-2019  
Report Number: P893453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-3SL-RNDU-UNV-L930  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2620.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 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

TEST NUMBER: P893453  
CATALOG NUMBER: 4MB-3SL-RNDU-UNV-L930

### 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	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°	4432	4432	4432
5°	4424	4245	4254
10°	4383	4079	4057
15°	4318	3912	3876
20°	4241	3736	3689
25°	4147	3558	3502
30°	4027	3379	3337
35°	3903	3195	3215
40°	3771	3028	3104
45°	3627	2881	3005
50°	3477	2749	2929
55°	3304	2627	2862
60°	3109	2527	2812
65°	2871	2439	2785
70°	2577	2384	2776
75°	2180	2346	2788
80°	1703	2345	2832
85°	1088	2406	2925

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3627 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.9	2.2
10°-20°	168.0	6.4
20°-30°	252.3	9.6
30°-40°	303.4	11.6
40°-50°	321.4	12.3
50°-60°	309.6	11.8
60°-70°	274.0	10.5
70°-80°	224.7	8.6
80°-90°	174.4	6.7
90°-100°	135.3	5.2
100°-110°	107.2	4.1
110°-120°	85.4	3.3
120°-130°	67.9	2.6
130°-140°	53.0	2.0
140°-150°	39.0	1.5
150°-160°	25.8	1.0
160°-170°	14.8	0.6
170°-180°	4.8	0.2
0°-30°	479.3	18.3
0°-40°	782.7	29.9
0°-60°	1413.7	54.0
0°-90°	2086.7	79.6
90°-120°	328.0	12.5
90°-150°	487.8	18.6
90°-180°	533.0	20.3
0°-180°	2620.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	623	623	623	623	623	
5°	622	623	616	621	624	59
15°	594	595	592	600	603	168
25°	541	543	543	556	560	249
35°	466	472	477	502	512	291
45°	379	388	408	446	462	293
55°	286	300	340	391	411	256
65°	190	216	277	335	360	188
75°	95	142	220	283	309	101
85°	21	86	172	235	260	24
90°	1	68	152	213	238	2
95°	3	56	134	193	216	3
105°	11	45	106	158	178	11
115°	21	43	88	129	146	21
125°	31	45	77	106	119	27
135°	39	48	69	89	97	30
145°	42	47	63	76	81	26
155°	42	49	54	65	69	20
165°	50	53	51	51	58	14
175°	55	54	52	43	29	5
180°	48	48	48	48	48	



TEST NUMBER: P893453  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9
2.5°	624.1	623.5	624.7	625.9	629.4	624.7	627.1	620.5	621.1	621.7	618.8
5°	622.3	620.5	622.3	623.5	626.5	622.9	625.3	618.2	618.8	619.9	616.4
7.5°	618.2	616.4	617.6	618.8	621.7	618.2	621.1	614.0	615.2	615.8	612.8
10°	612.2	609.9	611.1	612.8	615.2	612.2	614.6	608.1	608.7	609.9	606.9
12.5°	604.5	602.2	603.4	604.5	607.5	604.5	606.9	600.4	601.6	602.8	599.8
15°	594.5	592.1	593.3	594.5	596.8	595.1	597.4	590.9	592.1	594.5	591.5
17.5°	583.8	580.2	581.4	583.2	585.6	584.4	586.2	580.8	581.4	583.8	580.8
20°	570.8	567.2	568.4	570.2	572.5	571.9	573.1	568.4	569.6	572.5	569.6
22.5°	556.5	553.0	554.2	556.5	558.3	558.3	558.9	555.3	556.5	559.5	557.1
25°	541.1	537.6	538.7	541.1	542.9	542.9	544.1	540.5	542.3	545.3	542.9
27.5°	523.3	521.6	521.6	523.9	525.1	526.3	526.9	523.9	526.3	529.3	527.5
30°	505.0	502.6	503.8	506.7	506.7	509.1	509.1	506.7	509.7	513.3	512.1
32.5°	485.4	483.6	484.2	487.8	487.8	490.7	490.1	489.0	491.9	496.1	494.9
35°	465.8	464.1	464.7	468.2	468.2	471.8	470.6	470.6	473.6	478.3	477.1
37.5°	445.1	443.9	444.5	448.1	448.1	451.6	450.4	451.0	454.6	459.9	459.3
40°	423.8	422.6	423.8	426.7	427.9	430.9	429.7	430.9	435.6	440.4	442.1
42.5°	401.8	401.2	402.4	405.4	406.6	409.5	409.0	410.7	415.5	422.6	425.0
45°	379.3	379.3	380.5	383.5	384.7	388.2	387.6	390.0	395.9	403.6	407.8
47.5°	356.8	357.4	358.0	361.5	361.5	367.5	365.7	369.2	376.9	385.8	390.6
50°	333.7	334.9	335.5	338.4	339.6	344.9	343.8	349.7	358.0	367.5	374.0
52.5°	310.6	311.8	312.9	315.3	316.5	323.0	321.8	329.5	339.6	349.7	356.8
55°	286.3	288.6	289.2	292.2	294.0	300.5	300.5	309.4	320.0	331.3	340.2
57.5°	262.6	264.9	265.5	269.1	271.4	279.2	280.3	290.4	302.3	313.5	324.2
60°	238.3	241.2	241.8	245.4	249.5	257.8	259.6	270.9	283.9	295.7	308.2
62.5°	214.0	216.9	218.1	221.7	228.2	236.5	239.4	252.5	266.1	279.2	292.8
65°	189.7	192.6	194.4	199.1	206.8	215.7	219.9	233.5	248.9	262.6	276.8
67.5°	165.4	168.9	171.3	177.2	187.3	196.8	200.9	216.3	232.3	247.1	262.0
70°	141.7	145.2	148.2	155.9	167.7	177.2	182.5	199.1	215.7	231.7	248.3
72.5°	118.5	122.1	126.2	135.7	148.8	159.4	165.4	182.5	200.9	216.9	234.1
75°	94.8	99.0	103.7	116.8	131.6	142.2	148.8	167.1	186.1	202.1	220.5
77.5°	73.5	77.6	84.8	97.8	114.4	126.2	133.4	152.9	172.5	188.5	207.4
80°	53.9	58.1	67.6	81.8	99.0	110.2	119.1	139.3	159.4	176.0	195.0
82.5°	36.7	40.9	52.2	67.6	85.9	97.2	105.5	126.8	147.0	164.2	183.1
85°	21.3	27.3	39.1	55.7	74.7	85.9	94.2	116.2	135.7	152.9	172.5
87.5°	9.5	16.6	29.6	46.2	65.2	75.9	84.8	104.9	125.6	142.8	162.4
90°	0.6	9.5	23.1	39.1	57.5	67.6	75.9	96.0	115.6	133.4	152.3
92.5°	1.2	6.5	19.0	33.8	51.0	61.0	69.3	88.3	106.7	125.1	143.4
95°	3.0	6.5	16.6	30.2	46.2	55.7	63.4	81.8	99.0	116.8	134.5
97.5°	4.7	7.1	16.0	28.4	42.7	51.6	58.7	75.9	93.1	109.1	126.8
100°	6.5	8.9	16.0	27.3	40.3	48.6	55.1	71.1	87.1	101.9	119.7
102.5°	8.3	10.7	17.2	27.3	39.1	46.2	52.7	67.6	82.4	96.0	112.6
105°	10.7	12.4	18.4	27.3	37.9	45.0	50.4	64.0	78.2	91.3	106.1
107.5°	13.0	14.2	19.6	27.9	37.9	43.9	49.2	61.6	74.7	86.5	100.8
110°	16.0	16.6	21.3	29.0	37.9	43.3	48.0	59.9	71.7	83.0	96.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	18.4	18.4	23.1	30.2	37.9	43.3	47.4	58.1	69.3	79.4	91.9
115°	21.3	21.3	24.9	31.4	38.5	43.3	47.4	57.5	67.6	76.5	88.3
117.5°	23.7	23.7	27.3	32.6	39.7	43.9	47.4	56.3	65.8	74.1	84.8
120°	26.1	26.1	28.4	33.8	40.3	44.5	47.4	55.7	64.0	72.3	81.8
122.5°	28.4	28.4	30.2	35.6	40.9	44.5	47.4	55.1	62.8	69.9	78.8
125°	30.8	30.8	32.0	36.7	42.1	45.0	48.0	55.1	62.2	68.2	77.0
127.5°	33.2	32.6	34.4	38.5	42.7	45.6	48.6	55.1	61.0	67.0	74.7
130°	35.0	34.4	36.7	39.7	43.9	46.2	48.6	54.5	60.5	65.8	72.3
132.5°	37.3	36.2	39.1	40.3	45.0	47.4	49.2	54.5	59.9	64.6	71.1
135°	39.1	37.9	40.9	42.1	45.6	48.0	49.8	54.5	59.3	64.0	69.3
137.5°	40.3	39.7	42.7	43.9	46.2	48.6	50.4	54.5	58.7	62.8	68.2
140°	40.9	40.3	42.7	45.0	46.2	48.6	49.8	53.9	58.1	61.6	66.4
142.5°	41.5	41.5	43.3	45.6	46.2	48.0	49.8	53.3	56.9	59.9	65.2
145°	41.5	41.5	43.3	46.2	46.8	47.4	48.6	52.2	55.1	58.1	62.8
147.5°	41.5	41.5	43.9	46.2	47.4	48.0	47.4	51.0	53.9	56.3	60.5
150°	41.5	41.5	43.9	46.2	48.0	48.6	48.0	49.8	52.2	54.5	58.1
152.5°	42.1	42.1	43.9	46.2	48.0	48.6	48.6	48.6	50.4	52.7	56.3
155°	42.1	42.7	43.9	47.4	48.6	49.2	49.2	49.2	48.6	51.0	53.9
157.5°	43.9	44.5	45.0	48.0	49.2	49.8	49.8	49.8	49.2	48.6	51.6
160°	45.6	46.2	46.8	49.2	50.4	51.0	51.0	51.0	49.8	49.2	49.2
162.5°	47.4	48.6	48.6	49.8	51.0	51.6	51.6	52.2	51.0	50.4	49.8
165°	49.8	50.4	50.4	51.0	52.2	52.7	52.2	52.7	52.2	51.6	51.0
167.5°	51.6	52.2	52.2	52.7	52.7	53.3	53.3	53.3	52.7	52.2	52.2
170°	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.3	52.2	52.2
172.5°	54.5	55.1	55.1	54.5	54.5	54.5	54.5	53.9	52.7	52.2	52.2
175°	55.1	55.7	55.7	55.1	54.5	54.5	54.5	53.9	52.7	52.2	52.2
177.5°	55.7	56.3	55.7	55.7	54.5	54.5	54.5	54.5	53.3	52.7	52.2
180°	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9	622.9
2.5°	622.3	615.2	619.9	620.5	622.9	620.5	622.3	620.5	625.3	623.5
5°	619.9	613.4	617.6	618.2	621.1	618.2	621.1	619.9	625.9	624.1
7.5°	615.8	610.5	614.0	614.6	618.2	615.2	618.2	617.0	624.1	621.7
10°	609.9	605.7	609.3	609.9	613.4	610.5	612.8	611.6	619.4	615.8
12.5°	603.4	599.8	602.8	603.4	607.5	604.5	607.5	606.3	614.0	610.5
15°	593.9	592.1	595.1	596.2	600.4	598.0	601.0	599.8	608.1	603.4
17.5°	584.4	583.2	586.2	587.3	592.1	589.1	592.1	590.9	599.2	594.5
20°	572.5	571.9	574.9	576.7	580.8	577.9	581.4	580.2	589.1	584.4
22.5°	560.1	560.1	562.5	564.2	568.4	566.0	569.6	569.0	577.9	573.1
25°	546.5	547.0	549.4	551.8	556.5	554.8	557.7	557.7	566.0	560.1
27.5°	531.0	534.0	535.8	538.7	542.9	541.1	544.1	544.7	553.0	547.0
30°	515.0	519.2	521.0	524.5	528.1	528.1	531.0	532.2	540.5	534.6
32.5°	498.4	503.2	505.6	510.3	515.0	515.0	519.2	521.0	529.3	523.9
35°	481.9	488.4	491.3	497.3	502.0	502.6	506.7	509.1	517.4	512.1
37.5°	465.8	474.1	477.1	484.2	488.4	489.6	494.3	497.3	505.0	500.2
40°	449.3	459.3	462.9	470.6	474.1	476.5	481.3	484.8	491.9	487.8
42.5°	433.3	444.5	448.1	456.4	460.5	462.9	467.6	472.4	479.5	475.3
45°	417.2	429.7	433.8	442.7	446.3	449.8	455.2	459.3	465.8	462.3
47.5°	401.8	414.9	419.0	428.5	432.7	436.8	441.5	447.5	453.4	449.8
50°	385.8	399.5	404.8	414.9	418.4	423.2	429.1	434.4	440.4	437.4
52.5°	370.4	384.7	390.0	400.7	404.8	409.5	415.5	421.4	426.7	424.4
55°	353.8	369.2	375.2	386.4	390.6	395.3	401.8	408.4	413.1	411.3
57.5°	338.4	354.4	360.4	372.8	376.4	382.3	388.8	395.9	400.1	398.3
60°	323.0	339.0	346.1	358.6	362.7	368.6	375.2	382.9	386.4	385.2
62.5°	307.6	324.2	331.9	344.9	348.5	355.0	362.7	369.2	372.8	372.2
65°	293.4	309.4	318.3	331.3	334.9	342.0	349.1	356.2	359.8	359.8
67.5°	278.6	295.7	304.6	318.3	321.2	328.9	336.6	343.8	346.7	346.7
70°	264.9	281.5	291.6	305.2	308.2	315.3	323.6	331.3	333.7	334.3
72.5°	251.3	267.9	278.6	292.8	295.7	302.9	310.6	318.9	320.6	321.2
75°	238.3	254.9	265.5	279.7	282.7	289.8	298.1	305.8	308.2	308.8
77.5°	225.2	241.8	253.7	267.3	270.3	277.4	285.7	293.4	295.2	296.3
80°	213.4	229.4	240.6	255.4	258.4	265.5	273.2	280.9	282.1	283.9
82.5°	201.5	217.5	229.4	243.6	246.6	253.7	261.4	269.1	270.3	272.6
85°	190.3	206.3	218.1	231.7	235.3	241.8	250.1	257.2	258.4	260.2
87.5°	180.2	195.0	207.4	220.5	224.0	230.6	238.9	246.0	246.6	248.9
90°	169.5	184.3	196.8	209.8	213.4	219.3	227.6	234.7	235.9	237.7
92.5°	160.6	174.2	187.3	199.7	202.7	209.2	216.9	224.0	225.2	227.0
95°	151.1	164.8	177.8	189.7	192.6	199.1	206.3	213.4	214.6	216.3
97.5°	142.8	155.9	168.3	180.2	183.1	189.1	196.8	203.3	204.5	206.8
100°	135.1	147.6	160.6	171.3	174.2	180.2	187.3	193.8	195.0	197.4
102.5°	128.0	139.9	152.3	162.4	166.0	171.3	178.4	184.3	185.5	187.3
105°	121.5	132.8	144.6	154.1	157.7	163.0	169.5	175.4	176.6	178.4
107.5°	115.0	125.6	136.9	146.4	149.4	154.1	160.6	166.5	167.7	170.1
110°	109.1	119.7	130.4	139.3	142.8	146.4	152.9	158.2	159.4	161.2





TEST NUMBER: P893453  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	103.7	113.2	123.9	132.2	135.1	139.3	144.6	149.9	151.1	153.5
115°	99.0	107.9	118.5	126.2	128.6	132.2	138.1	142.8	144.0	145.8
117.5°	94.8	102.5	112.0	119.7	122.7	125.6	131.0	135.1	136.9	138.1
120°	91.3	98.4	106.7	113.8	117.4	119.7	124.5	128.6	130.4	131.6
122.5°	87.7	94.2	101.9	108.5	111.4	113.2	118.5	122.1	123.9	125.6
125°	84.8	90.7	97.8	103.1	106.1	107.9	112.6	116.2	117.9	119.1
127.5°	81.8	87.1	94.2	98.4	101.3	102.5	106.7	110.2	112.0	112.6
130°	78.8	84.2	90.1	94.2	96.6	98.4	101.9	104.3	106.1	106.7
132.5°	76.5	81.2	86.5	90.7	93.1	93.6	97.2	99.6	101.3	101.9
135°	74.7	78.2	83.6	87.1	88.9	90.1	93.1	94.8	96.6	97.2
137.5°	72.3	75.9	80.6	83.0	85.3	85.9	88.9	90.7	92.5	93.1
140°	70.5	73.5	77.6	80.0	82.4	82.4	84.8	86.5	88.3	88.3
142.5°	68.8	71.7	75.3	77.6	79.4	79.4	81.8	83.0	84.8	84.8
145°	66.4	69.3	72.9	74.7	76.5	76.5	78.2	79.4	81.2	81.2
147.5°	64.0	67.0	70.5	71.7	73.5	73.5	75.3	76.5	77.6	77.6
150°	61.0	63.4	67.6	69.3	71.1	71.1	72.3	73.5	74.7	74.7
152.5°	58.7	60.5	64.0	66.4	68.2	68.2	69.3	70.5	71.7	71.7
155°	55.7	57.5	60.5	63.4	65.2	65.8	67.0	67.6	68.8	68.8
157.5°	53.3	55.1	57.5	59.9	61.6	62.8	64.6	65.2	65.8	65.8
160°	50.4	51.6	53.9	56.3	58.1	59.3	62.2	62.8	63.4	63.4
162.5°	49.2	49.2	50.4	52.2	53.9	54.5	57.5	59.9	61.0	60.5
165°	49.8	49.2	49.2	49.8	51.0	51.6	53.3	56.9	58.1	57.5
167.5°	51.0	49.8	49.2	49.2	50.4	50.4	52.2	55.1	58.7	57.5
170°	51.0	49.2	48.0	48.0	48.6	48.6	49.8	51.6	55.1	55.7
172.5°	50.4	49.2	47.4	45.0	45.6	45.0	44.5	45.6	46.2	52.2
175°	51.0	49.2	47.4	44.5	43.3	41.5	38.5	36.2	35.6	29.0
177.5°	50.4	48.6	46.2	43.9	42.7	40.3	36.7	32.6	30.2	26.7
180°	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0



TEST NUMBER: P893453  
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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	12.10	13.41	12.74	14.08	14.85	15.65	16.96	16.29	17.63	18.39
	3H	13.45	14.65	14.11	15.32	16.13	18.57	19.76	19.22	20.44	21.24
	4H	13.86	15.00	14.53	15.68	16.50	20.04	21.18	20.71	21.87	22.68
	6H	14.07	15.13	14.76	15.83	16.66	21.60	22.66	22.29	23.36	24.19
	8H	14.11	15.12	14.80	15.84	16.67	22.41	23.43	23.11	24.15	24.98
	12H	14.11	15.09	14.81	15.80	16.66	23.29	24.26	23.99	24.98	25.84
4H	2H	13.24	14.38	13.92	15.07	15.88	15.97	17.11	16.64	17.79	18.61
	3H	14.89	15.86	15.58	16.59	17.42	19.12	20.10	19.81	20.82	21.65
	4H	15.46	16.36	16.16	17.08	17.94	20.77	21.67	21.47	22.39	23.26
	6H	15.80	16.60	16.52	17.34	18.21	22.54	23.34	23.26	24.09	24.95
	8H	15.87	16.62	16.60	17.37	18.25	23.47	24.23	24.20	24.97	25.86
	12H	15.90	16.58	16.65	17.35	18.24	24.50	25.18	25.24	25.95	26.84
8H	4H	16.54	17.29	17.27	18.04	18.92	20.94	21.69	21.67	22.44	23.32
	6H	17.15	17.79	17.91	18.58	19.46	22.89	23.54	23.65	24.32	25.21
	8H	17.35	17.93	18.11	18.71	19.61	23.98	24.56	24.74	25.34	26.24
	12H	17.46	17.98	18.23	18.76	19.71	25.19	25.71	25.96	26.49	27.45
12H	4H	16.90	17.58	17.64	18.35	19.24	20.94	21.62	21.69	22.39	23.28
	6H	17.67	18.25	18.44	19.04	19.94	22.93	23.50	23.69	24.29	25.19
	8H	18.00	18.52	18.77	19.30	20.25	24.07	24.59	24.84	25.37	26.32