

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: P892690

Luminaire Tested: 2MB-3SL-RNDU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P892690
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-L935
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

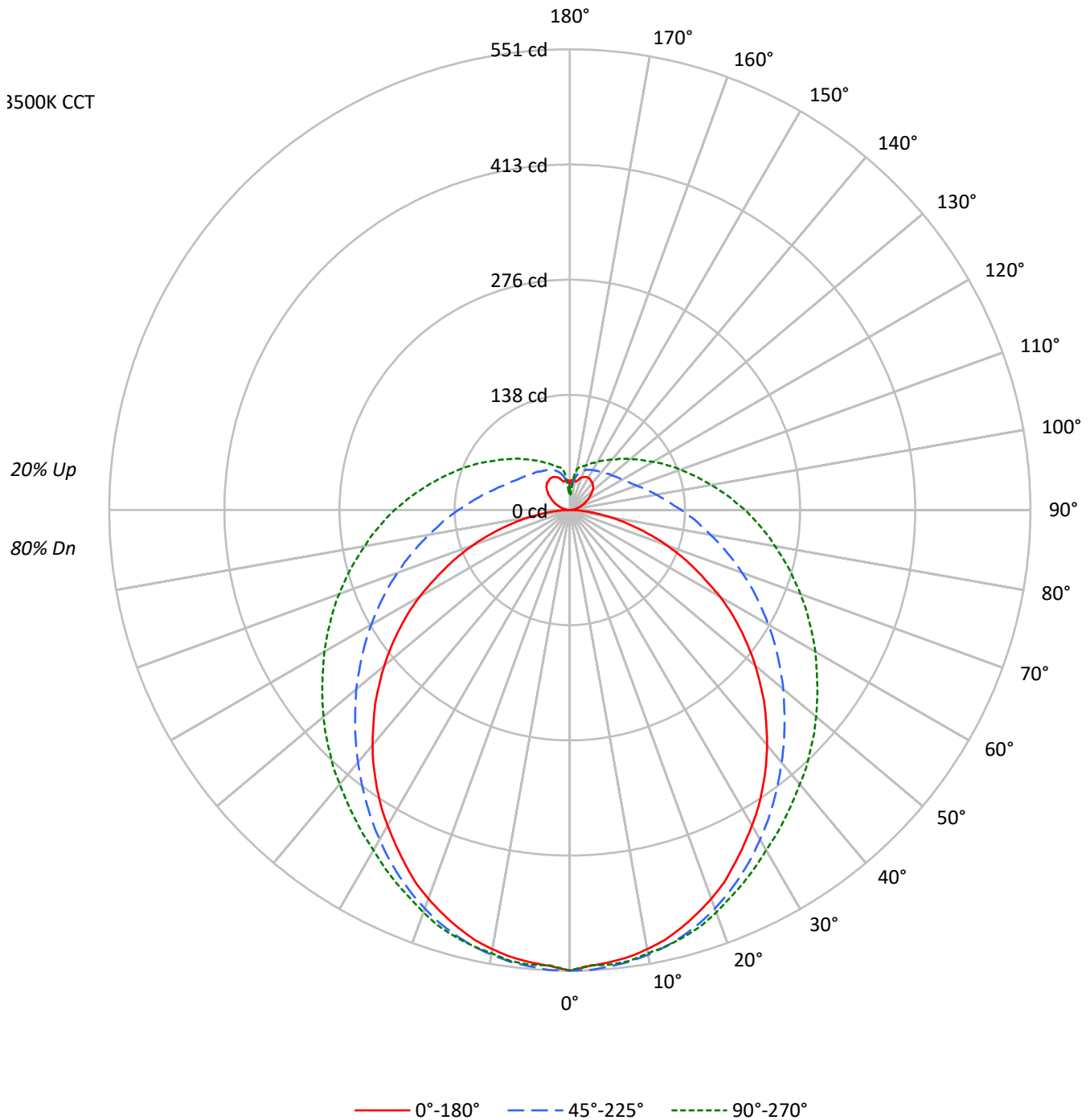
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2314.0 lumens
Efficiency: N/A
Efficacy: 110.2 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

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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	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°	7879	7879	7879
5°	7726	7562	7481
10°	7607	7255	7129
15°	7445	6940	6825
20°	7253	6611	6500
25°	7022	6274	6183
30°	6786	5935	5893
35°	6553	5610	5671
40°	6301	5305	5475
45°	6031	5028	5317
50°	5733	4786	5178
55°	5405	4559	5057
60°	5026	4362	4979
65°	4537	4190	4918
70°	4013	4043	4903
75°	3337	3941	4928
80°	2492	3892	5000
85°	1512	3965	5175

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6031 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	2.2
10°-20°	148.6	6.4
20°-30°	222.9	9.6
30°-40°	267.8	11.6
40°-50°	283.9	12.3
50°-60°	273.3	11.8
60°-70°	241.4	10.4
70°-80°	197.5	8.5
80°-90°	153.3	6.6
90°-100°	118.8	5.1
100°-110°	94.2	4.1
110°-120°	75.4	3.3
120°-130°	60.3	2.6
130°-140°	47.6	2.1
140°-150°	35.9	1.6
150°-160°	24.5	1.1
160°-170°	13.1	0.6
170°-180°	3.3	0.1
0°-30°	423.6	18.3
0°-40°	691.4	29.9
0°-60°	1248.6	54.0
0°-90°	1840.9	79.6
90°-120°	288.4	12.5
90°-150°	432.1	18.7
90°-180°	473.0	20.4
0°-180°	2314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	543	549	548	550	546	52
15°	517	526	527	531	528	146
25°	467	478	483	492	492	215
35°	403	414	425	444	449	252
45°	330	342	363	395	407	254
55°	249	264	303	345	361	223
65°	164	188	246	297	316	163
75°	84	124	194	250	272	89
85°	20	75	152	208	229	22
90°	1	60	133	188	210	2
95°	3	49	118	169	190	3
105°	11	40	94	138	156	11
115°	20	38	78	113	128	20
125°	30	40	69	94	104	27
135°	40	42	62	79	87	30
145°	44	44	57	68	72	27
155°	44	47	53	59	62	20
165°	37	42	46	52	53	11
175°	36	34	32	29	27	3
180°	28	28	28	28	28	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	545.9	548.8	549.8	548.8	548.8	550.8	550.8	554.6	555.6	549.8	550.8
5°	543.0	545.9	547.9	546.9	546.9	548.8	547.9	551.7	552.7	547.9	547.9
7.5°	539.2	542.1	544.0	543.0	543.0	545.0	544.0	547.9	548.8	545.0	545.0
10°	533.4	537.2	539.2	537.2	538.2	540.1	539.2	543.0	544.0	540.1	540.1
12.5°	526.6	530.5	532.4	531.4	532.4	533.4	532.4	537.2	538.2	534.3	534.3
15°	516.9	521.8	522.7	521.8	522.7	525.6	523.7	527.6	530.5	526.6	526.6
17.5°	506.3	511.1	513.1	512.1	514.0	516.0	514.0	518.9	520.8	516.9	517.9
20°	494.7	499.5	501.5	500.5	502.4	504.4	502.4	507.3	509.2	506.3	507.3
22.5°	482.2	487.0	488.9	488.0	489.9	491.8	489.9	494.7	497.6	494.7	495.7
25°	466.7	472.5	474.4	473.5	475.4	478.3	475.4	481.2	484.1	482.2	483.1
27.5°	451.2	456.1	459.9	458.0	460.9	463.8	461.9	465.7	469.6	468.6	469.6
30°	435.8	440.6	444.5	442.5	445.4	448.3	445.4	450.3	454.1	454.1	455.1
32.5°	420.3	424.2	427.1	426.1	428.0	431.9	430.0	434.8	438.7	438.7	440.6
35°	402.9	406.8	409.7	408.7	411.6	414.5	412.6	417.4	422.2	423.2	425.1
37.5°	385.5	389.4	392.3	391.3	393.3	397.1	395.2	401.0	404.9	406.8	409.7
40°	367.2	371.0	373.9	373.0	375.9	378.8	377.8	382.6	387.5	390.4	394.2
42.5°	347.8	351.7	354.6	354.6	357.5	361.4	359.4	365.2	370.1	373.9	378.8
45°	329.5	332.4	335.3	335.3	339.2	342.0	341.1	346.9	352.7	357.5	363.3
47.5°	309.2	313.1	315.0	316.0	319.8	322.7	322.7	328.5	335.3	342.0	347.8
50°	289.9	292.8	295.7	295.7	300.5	303.4	303.4	310.2	318.9	326.6	333.4
52.5°	269.6	272.5	275.4	276.3	280.2	284.1	284.1	291.8	301.5	310.2	317.9
55°	249.3	252.2	254.1	256.1	260.9	263.8	265.7	274.4	285.0	293.7	303.4
57.5°	229.0	230.9	233.8	235.8	241.6	245.4	248.3	258.0	268.6	279.2	288.9
60°	207.7	210.6	212.6	215.5	221.3	227.1	230.0	240.6	252.2	263.8	274.4
62.5°	184.6	187.5	190.3	194.2	202.9	207.7	212.6	224.2	235.8	248.3	259.9
65°	164.3	166.2	169.1	173.0	182.6	188.4	194.2	206.8	220.3	233.8	246.4
67.5°	144.0	145.9	149.8	154.6	165.2	171.0	176.8	190.3	205.8	220.3	232.9
70°	123.7	124.6	129.5	136.2	147.8	153.6	160.4	173.9	189.4	205.8	219.3
72.5°	103.4	105.3	110.2	117.9	131.4	138.2	144.9	160.4	175.9	191.3	206.8
75°	84.1	85.0	91.8	101.5	115.9	123.7	131.4	146.9	163.3	179.7	194.2
77.5°	65.7	66.7	75.4	86.0	101.5	110.2	117.9	133.3	150.7	167.2	182.6
80°	48.3	50.2	58.9	72.5	87.9	96.6	106.3	122.7	139.1	156.5	171.0
82.5°	32.9	35.8	45.4	59.9	76.3	86.0	94.7	111.1	128.5	145.9	160.4
85°	20.3	23.2	34.8	49.3	66.7	75.4	84.1	101.5	118.8	135.3	151.7
87.5°	8.7	14.5	26.1	40.6	58.0	66.7	76.3	92.8	109.2	126.6	142.0
90°	1.0	8.7	20.3	34.8	51.2	59.9	68.6	85.0	101.5	117.9	133.3
92.5°	1.0	5.8	16.4	30.0	45.4	54.1	61.8	78.3	93.7	110.2	124.6
95°	2.9	5.8	14.5	27.1	41.5	49.3	57.0	72.5	87.9	103.4	117.9
97.5°	3.9	6.8	14.5	25.1	37.7	45.4	53.1	67.6	82.1	96.6	111.1
100°	5.8	7.7	14.5	24.2	35.8	42.5	49.3	62.8	77.3	91.8	105.3
102.5°	7.7	9.7	15.5	24.2	34.8	40.6	47.3	59.9	72.5	86.0	99.5
105°	10.6	11.6	16.4	24.2	33.8	39.6	45.4	57.0	68.6	82.1	93.7
107.5°	12.6	13.5	17.4	25.1	33.8	38.6	44.4	54.1	65.7	77.3	89.9
110°	14.5	14.5	19.3	26.1	33.8	37.7	43.5	53.1	63.8	74.4	85.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	17.4	17.4	20.3	27.1	33.8	37.7	42.5	51.2	60.9	71.5	81.2
115°	20.3	19.3	22.2	28.0	34.8	37.7	42.5	50.2	58.9	68.6	78.3
117.5°	22.2	21.3	24.2	29.0	34.8	38.6	42.5	50.2	58.0	66.7	75.4
120°	25.1	23.2	25.1	30.0	35.8	38.6	42.5	49.3	57.0	64.7	72.5
122.5°	27.1	26.1	27.1	31.9	36.7	38.6	42.5	48.3	56.0	62.8	70.5
125°	30.0	28.0	29.0	32.9	37.7	39.6	43.5	48.3	55.1	61.8	68.6
127.5°	32.9	30.0	30.0	33.8	37.7	40.6	43.5	48.3	54.1	59.9	66.7
130°	34.8	32.9	31.9	35.8	38.6	40.6	43.5	48.3	53.1	58.9	64.7
132.5°	37.7	34.8	33.8	36.7	39.6	41.5	44.4	48.3	53.1	58.0	63.8
135°	39.6	36.7	35.8	37.7	40.6	42.5	44.4	48.3	53.1	57.0	61.8
137.5°	40.6	38.6	37.7	38.6	41.5	43.5	45.4	48.3	52.2	56.0	60.9
140°	42.5	40.6	39.6	40.6	42.5	43.5	45.4	48.3	52.2	55.1	59.9
142.5°	42.5	42.5	40.6	41.5	42.5	44.4	46.4	48.3	51.2	55.1	58.0
145°	43.5	43.5	42.5	43.5	43.5	44.4	46.4	48.3	51.2	54.1	57.0
147.5°	44.4	44.4	44.4	44.4	44.4	45.4	46.4	48.3	51.2	53.1	56.0
150°	44.4	44.4	45.4	45.4	46.4	46.4	47.3	48.3	51.2	53.1	55.1
152.5°	44.4	43.5	45.4	46.4	47.3	47.3	47.3	48.3	50.2	52.2	54.1
155°	43.5	42.5	44.4	45.4	46.4	47.3	48.3	48.3	50.2	51.2	53.1
157.5°	42.5	41.5	43.5	44.4	45.4	46.4	47.3	47.3	48.3	50.2	52.2
160°	41.5	40.6	41.5	43.5	44.4	45.4	46.4	46.4	47.3	48.3	50.2
162.5°	39.6	38.6	39.6	41.5	42.5	43.5	44.4	45.4	46.4	47.3	48.3
165°	36.7	36.7	36.7	38.6	40.6	41.5	42.5	43.5	44.4	45.4	46.4
167.5°	34.8	33.8	34.8	35.8	37.7	38.6	39.6	40.6	41.5	42.5	43.5
170°	34.8	33.8	33.8	34.8	35.8	35.8	36.7	37.7	38.6	39.6	40.6
172.5°	35.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	35.8	35.8
175°	35.8	35.8	34.8	34.8	33.8	33.8	33.8	33.8	32.9	31.9	31.9
177.5°	35.8	35.8	35.8	34.8	34.8	33.8	33.8	33.8	32.9	31.9	30.0
180°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8	550.8
2.5°	549.8	549.8	545.9	549.8	550.8	548.8	547.9	549.8	546.9	545.0
5°	547.9	547.9	545.0	548.8	549.8	547.9	547.9	549.8	546.9	545.9
7.5°	544.0	545.0	543.0	546.9	547.9	545.9	545.9	547.9	545.9	544.0
10°	540.1	540.1	539.2	542.1	542.1	541.1	540.1	542.1	541.1	538.2
12.5°	534.3	535.3	533.4	537.2	538.2	536.3	536.3	538.2	536.3	534.3
15°	527.6	527.6	527.6	530.5	531.4	530.5	530.5	532.4	530.5	528.5
17.5°	518.9	519.8	519.8	523.7	524.7	522.7	522.7	525.6	524.7	521.8
20°	508.2	509.2	510.2	513.1	514.0	513.1	513.1	515.0	515.0	512.1
22.5°	497.6	497.6	499.5	502.4	503.4	502.4	502.4	505.3	505.3	501.5
25°	485.1	485.1	488.0	491.8	491.8	490.9	491.8	493.7	494.7	491.8
27.5°	472.5	473.5	476.4	480.2	480.2	480.2	480.2	483.1	483.1	481.2
30°	458.0	459.9	462.8	466.7	467.7	467.7	468.6	470.6	472.5	469.6
32.5°	443.5	445.4	449.3	454.1	455.1	456.1	457.0	460.9	462.8	459.9
35°	429.0	430.9	436.7	442.5	443.5	444.5	446.4	450.3	452.2	449.3
37.5°	414.5	417.4	425.1	430.0	431.9	432.9	435.8	438.7	442.5	438.7
40°	401.0	403.9	412.6	418.4	419.3	421.3	424.2	428.0	430.9	428.0
42.5°	386.5	390.4	399.1	405.8	407.8	409.7	412.6	416.4	420.3	418.4
45°	372.0	376.8	386.5	393.3	395.2	398.1	402.0	405.8	409.7	406.8
47.5°	357.5	363.3	373.9	380.7	382.6	386.5	390.4	394.2	398.1	396.2
50°	343.0	348.8	360.4	368.1	371.0	374.9	377.8	382.6	386.5	384.6
52.5°	329.5	335.3	347.8	355.6	358.5	362.3	366.2	371.0	374.9	373.0
55°	314.0	320.8	334.3	342.0	344.9	349.8	354.6	358.5	363.3	361.4
57.5°	300.5	308.2	321.8	330.5	333.4	338.2	343.0	347.8	352.7	349.8
60°	287.0	294.7	309.2	317.9	320.8	326.6	331.4	335.3	341.1	339.2
62.5°	273.4	282.1	295.7	305.3	309.2	314.0	318.9	323.7	328.5	327.6
65°	259.0	268.6	283.1	292.8	296.6	302.4	307.3	312.1	316.9	316.0
67.5°	247.4	257.0	271.5	281.2	285.0	290.8	296.6	301.5	306.3	305.3
70°	233.8	244.5	259.0	268.6	272.5	278.3	284.1	288.9	293.7	293.7
72.5°	222.2	232.9	247.4	257.0	261.9	267.6	273.4	278.3	283.1	282.1
75°	210.6	221.3	235.8	245.4	250.3	257.0	262.8	267.6	272.5	271.5
77.5°	198.1	209.7	224.2	233.8	238.7	245.4	251.2	256.1	260.9	259.9
80°	186.5	199.0	213.5	223.2	228.0	233.8	240.6	245.4	250.3	249.3
82.5°	175.9	188.4	203.9	213.5	218.4	224.2	230.9	235.8	239.6	239.6
85°	166.2	177.8	192.3	202.9	207.7	213.5	220.3	225.1	230.0	229.0
87.5°	156.5	168.1	181.7	192.3	197.1	202.9	210.6	215.5	219.3	219.3
90°	147.8	159.4	173.0	182.6	187.5	193.2	200.0	205.8	209.7	209.7
92.5°	140.1	150.7	164.3	173.0	177.8	183.6	191.3	195.2	199.0	199.0
95°	132.4	143.0	155.6	164.3	169.1	174.9	181.7	186.5	189.4	190.3
97.5°	124.6	135.3	147.8	155.6	160.4	166.2	173.0	176.8	179.7	180.7
100°	117.9	128.5	140.1	147.8	152.7	158.5	164.3	168.1	171.0	172.0
102.5°	112.1	121.7	133.3	141.1	144.9	149.8	156.5	160.4	163.3	163.3
105°	106.3	115.9	126.6	134.3	138.2	143.0	148.8	152.7	155.6	155.6
107.5°	100.5	110.2	119.8	127.5	131.4	135.3	141.1	144.9	147.8	147.8
110°	95.7	104.4	114.0	120.8	124.6	128.5	134.3	138.2	140.1	141.1



TEST NUMBER: P892690
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	91.8	99.5	108.2	115.0	118.8	122.7	127.5	131.4	133.3	134.3
115°	87.9	94.7	103.4	109.2	113.1	116.9	121.7	124.6	126.6	127.5
117.5°	84.1	90.8	98.6	104.4	107.3	111.1	115.9	118.8	120.8	121.7
120°	81.2	87.0	94.7	99.5	102.4	106.3	110.2	113.1	115.0	115.0
122.5°	77.3	84.1	89.9	94.7	97.6	100.5	105.3	107.3	109.2	109.2
125°	75.4	80.2	87.0	90.8	93.7	96.6	100.5	102.4	104.4	104.4
127.5°	72.5	77.3	83.1	87.0	88.9	91.8	95.7	97.6	98.6	99.5
130°	70.5	75.4	80.2	84.1	86.0	87.9	91.8	92.8	94.7	94.7
132.5°	68.6	72.5	77.3	80.2	82.1	84.1	87.0	88.9	89.9	90.8
135°	66.7	70.5	74.4	77.3	79.2	81.2	84.1	85.0	86.0	87.0
137.5°	64.7	68.6	71.5	74.4	75.4	77.3	80.2	81.2	82.1	82.1
140°	62.8	66.7	69.6	71.5	73.4	74.4	77.3	78.3	78.3	79.2
142.5°	61.8	64.7	66.7	68.6	70.5	71.5	73.4	74.4	75.4	75.4
145°	59.9	62.8	64.7	66.7	67.6	68.6	70.5	71.5	72.5	72.5
147.5°	58.9	60.9	62.8	64.7	65.7	66.7	68.6	68.6	69.6	69.6
150°	57.0	59.9	60.9	62.8	63.8	63.8	65.7	66.7	66.7	66.7
152.5°	56.0	58.0	58.9	59.9	60.9	61.8	62.8	63.8	63.8	63.8
155°	55.1	57.0	58.0	58.9	58.9	59.9	60.9	60.9	60.9	61.8
157.5°	54.1	55.1	56.0	57.0	57.0	58.0	58.9	58.9	58.9	58.9
160°	52.2	53.1	54.1	55.1	56.0	56.0	57.0	57.0	57.0	57.0
162.5°	49.3	51.2	52.2	53.1	54.1	54.1	55.1	55.1	55.1	55.1
165°	47.3	48.3	49.3	51.2	52.2	52.2	53.1	53.1	53.1	53.1
167.5°	45.4	45.4	46.4	47.3	49.3	50.2	51.2	52.2	52.2	52.2
170°	41.5	41.5	42.5	42.5	44.4	45.4	47.3	49.3	50.2	50.2
172.5°	36.7	36.7	37.7	36.7	37.7	37.7	38.6	40.6	42.5	43.5
175°	31.9	31.9	30.0	29.0	29.0	28.0	28.0	27.1	25.1	27.1
177.5°	28.0	27.1	25.1	23.2	23.2	22.2	22.2	20.3	18.4	18.4
180°	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0



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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	14.07	15.37	14.71	16.04	16.81	17.45	18.76	18.09	19.43	20.20
	3H	15.39	16.58	16.04	17.26	18.06	20.26	21.46	20.92	22.14	22.94
	4H	15.78	16.92	16.46	17.61	18.42	21.68	22.82	22.36	23.51	24.32
	6H	15.99	17.05	16.68	17.75	18.58	23.17	24.23	23.86	24.93	25.76
	8H	16.03	17.04	16.72	17.76	18.60	23.92	24.94	24.62	25.66	26.49
	12H	16.03	17.01	16.74	17.72	18.58	24.71	25.69	25.42	26.40	27.27
4H	2H	15.19	16.33	15.87	17.01	17.83	17.79	18.92	18.46	19.61	20.43
	3H	16.80	17.77	17.48	18.49	19.33	20.84	21.82	21.53	22.54	23.37
	4H	17.36	18.25	18.06	18.98	19.84	22.44	23.33	23.14	24.06	24.92
	6H	17.70	18.49	18.42	19.24	20.11	24.13	24.93	24.86	25.68	26.55
	8H	17.77	18.52	18.50	19.27	20.15	25.01	25.76	25.74	26.51	27.39
	12H	17.80	18.48	18.55	19.25	20.14	25.94	26.63	26.69	27.40	28.29
8H	4H	18.40	19.15	19.13	19.90	20.78	22.62	23.36	23.34	24.11	25.00
	6H	19.01	19.65	19.77	20.44	21.32	24.50	25.14	25.25	25.93	26.81
	8H	19.21	19.79	19.98	20.58	21.48	25.53	26.11	26.29	26.89	27.79
	12H	19.33	19.84	20.10	20.62	21.58	26.66	27.18	27.43	27.96	28.91
12H	4H	18.73	19.41	19.48	20.18	21.08	22.61	23.29	23.36	24.07	24.96
	6H	19.51	20.08	20.27	20.87	21.77	24.53	25.11	25.30	25.90	26.80
	8H	19.84	20.35	20.61	21.13	22.09	25.63	26.14	26.40	26.92	27.88