

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: P892685

Luminaire Tested: 2MB-3SL-RNDU-UNV-L830

Issue Date: 11/11/2024

**Test Information**

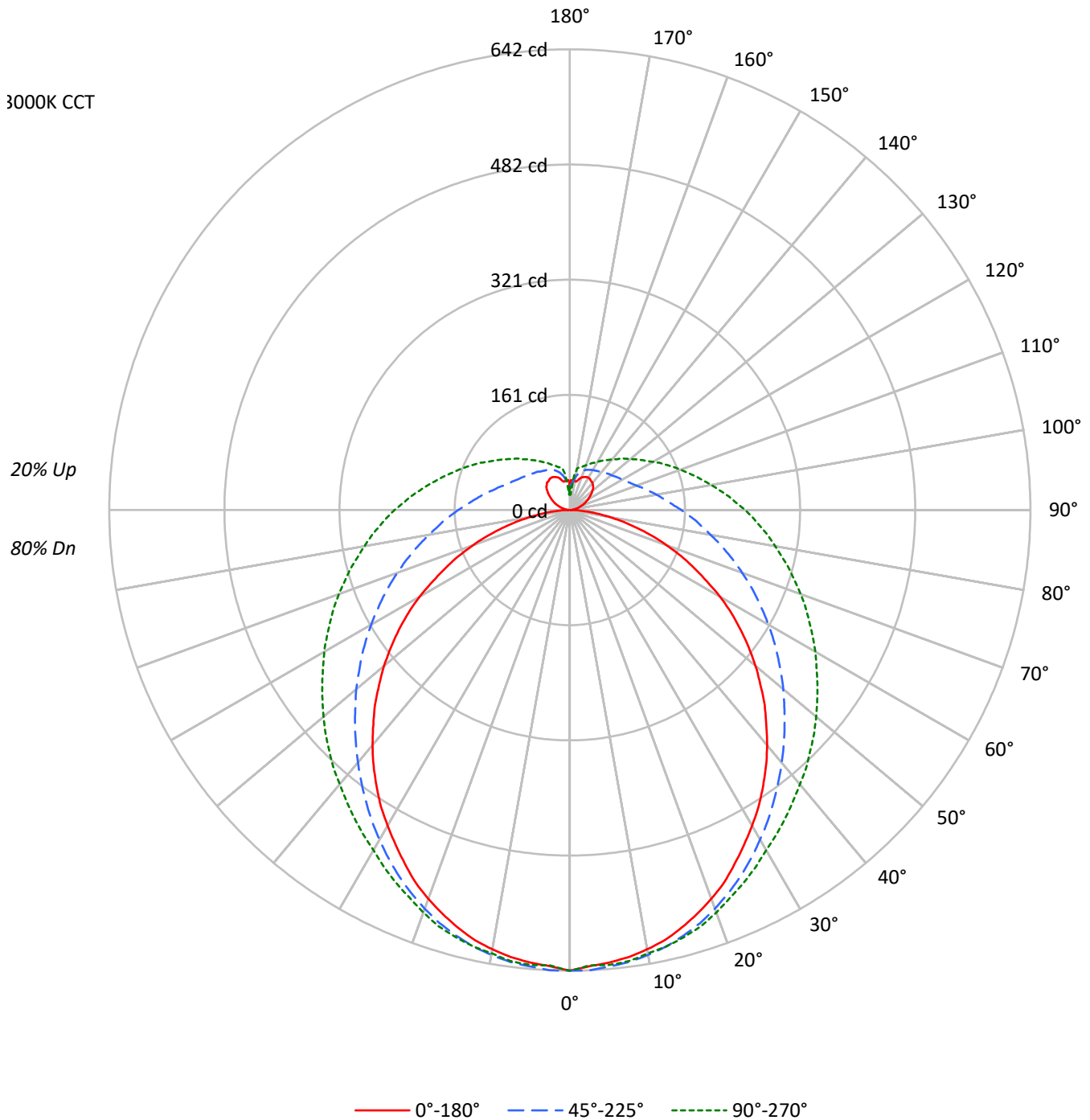
Test Method: LM-79-2019  
Report Number: P892685  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 2MB-3SL-RNDU-UNV-L830  
Description: 3000 Lumen 2FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2697.0 lumens  
Efficiency: N/A  
Efficacy: 128.4 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<sub>in</sub>): 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: P892685  
CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P892685

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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°	9183	9183	9183
5°	9006	8813	8719
10°	8865	8456	8309
15°	8678	8089	7955
20°	8454	7705	7576
25°	8183	7313	7206
30°	7909	6917	6868
35°	7638	6539	6610
40°	7342	6184	6382
45°	7029	5859	6196
50°	6682	5577	6034
55°	6301	5314	5893
60°	5859	5083	5803
65°	5286	4884	5732
70°	4675	4712	5716
75°	3889	4594	5745
80°	2904	4536	5828
85°	1758	4621	6032

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 7029 cd/sqm



TEST NUMBER: P892685  
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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.7	2.2
10°-20°	173.2	6.4
20°-30°	259.8	9.6
30°-40°	312.2	11.6
40°-50°	330.9	12.3
50°-60°	318.5	11.8
60°-70°	281.4	10.4
70°-80°	230.2	8.5
80°-90°	178.7	6.6
90°-100°	138.4	5.1
100°-110°	109.8	4.1
110°-120°	87.8	3.3
120°-130°	70.3	2.6
130°-140°	55.4	2.1
140°-150°	41.8	1.6
150°-160°	28.6	1.1
160°-170°	15.3	0.6
170°-180°	3.9	0.1
0°-30°	493.7	18.3
0°-40°	805.9	29.9
0°-60°	1455.3	54.0
0°-90°	2145.6	79.6
90°-120°	336.1	12.5
90°-150°	503.6	18.7
90°-180°	551.0	20.4
0°-180°	2697.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	633	640	638	641	636	60
15°	602	613	614	619	616	170
25°	544	558	563	573	573	251
35°	470	483	496	517	524	294
45°	384	399	423	461	474	296
55°	291	307	354	402	421	260
65°	191	220	287	346	368	190
75°	98	144	226	292	316	104
85°	24	88	177	242	267	26
90°	1	70	155	218	244	2
95°	3	57	137	197	222	3
105°	12	46	109	161	181	13
115°	24	44	91	132	149	23
125°	35	46	80	109	122	31
135°	46	50	72	92	101	35
145°	51	52	66	79	84	32
155°	51	55	62	69	72	23
165°	43	48	54	61	62	12
175°	42	39	37	34	32	4
180°	33	33	33	33	33	



TEST NUMBER: P892685  
 CATALOG NUMBER: 2MB-3SL-RNDU-UNV-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9
2.5°	636.3	639.7	640.8	639.7	639.7	641.9	641.9	646.4	647.5	640.8	641.9
5°	632.9	636.3	638.5	637.4	637.4	639.7	638.5	643.0	644.2	638.5	638.5
7.5°	628.4	631.8	634.0	632.9	632.9	635.2	634.0	638.5	639.7	635.2	635.2
10°	621.6	626.1	628.4	626.1	627.3	629.5	628.4	632.9	634.0	629.5	629.5
12.5°	613.8	618.3	620.5	619.4	620.5	621.6	620.5	626.1	627.3	622.8	622.8
15°	602.5	608.1	609.3	608.1	609.3	612.6	610.4	614.9	618.3	613.8	613.8
17.5°	590.1	595.7	598.0	596.9	599.1	601.4	599.1	604.8	607.0	602.5	603.6
20°	576.6	582.2	584.5	583.4	585.6	587.9	585.6	591.2	593.5	590.1	591.2
22.5°	562.0	567.6	569.8	568.7	571.0	573.2	571.0	576.6	580.0	576.6	577.7
25°	543.9	550.7	552.9	551.8	554.1	557.5	554.1	560.8	564.2	562.0	563.1
27.5°	525.9	531.6	536.1	533.8	537.2	540.6	538.3	542.8	547.3	546.2	547.3
30°	507.9	513.5	518.0	515.8	519.2	522.5	519.2	524.8	529.3	529.3	530.4
32.5°	489.9	494.4	497.8	496.6	498.9	503.4	501.1	506.8	511.3	511.3	513.5
35°	469.6	474.1	477.5	476.4	479.7	483.1	480.9	486.5	492.1	493.3	495.5
37.5°	449.3	453.8	457.2	456.1	458.3	462.9	460.6	467.4	471.9	474.1	477.5
40°	427.9	432.4	435.8	434.7	438.1	441.5	440.3	446.0	451.6	455.0	459.5
42.5°	405.4	409.9	413.3	413.3	416.7	421.2	418.9	425.7	431.3	435.8	441.5
45°	384.0	387.4	390.8	390.8	395.3	398.7	397.5	404.3	411.1	416.7	423.4
47.5°	360.4	364.9	367.1	368.3	372.8	376.1	376.1	382.9	390.8	398.7	405.4
50°	337.9	341.2	344.6	344.6	350.2	353.6	353.6	361.5	371.6	380.6	388.5
52.5°	314.2	317.6	321.0	322.1	326.6	331.1	331.1	340.1	351.4	361.5	370.5
55°	290.6	293.9	296.2	298.4	304.1	307.4	309.7	319.8	332.2	342.4	353.6
57.5°	266.9	269.2	272.5	274.8	281.5	286.0	289.4	300.7	313.1	325.5	336.7
60°	242.1	245.5	247.8	251.1	257.9	264.6	268.0	280.4	293.9	307.4	319.8
62.5°	215.1	218.5	221.9	226.4	236.5	242.1	247.8	261.3	274.8	289.4	302.9
65°	191.4	193.7	197.1	201.6	212.8	219.6	226.4	241.0	256.8	272.5	287.2
67.5°	167.8	170.1	174.6	180.2	192.6	199.3	206.1	221.9	239.9	256.8	271.4
70°	144.1	145.3	150.9	158.8	172.3	179.1	186.9	202.7	220.7	239.9	255.6
72.5°	120.5	122.8	128.4	137.4	153.2	161.0	168.9	186.9	205.0	223.0	241.0
75°	98.0	99.1	107.0	118.2	135.1	144.1	153.2	171.2	190.3	209.5	226.4
77.5°	76.6	77.7	87.8	100.2	118.2	128.4	137.4	155.4	175.7	194.8	212.8
80°	56.3	58.6	68.7	84.5	102.5	112.6	123.9	143.0	162.2	182.4	199.3
82.5°	38.3	41.7	52.9	69.8	89.0	100.2	110.4	129.5	149.8	170.1	186.9
85°	23.6	27.0	40.5	57.4	77.7	87.8	98.0	118.2	138.5	157.7	176.8
87.5°	10.1	16.9	30.4	47.3	67.6	77.7	89.0	108.1	127.3	147.5	165.5
90°	1.1	10.1	23.6	40.5	59.7	69.8	80.0	99.1	118.2	137.4	155.4
92.5°	1.1	6.8	19.1	34.9	52.9	63.1	72.1	91.2	109.2	128.4	145.3
95°	3.4	6.8	16.9	31.5	48.4	57.4	66.4	84.5	102.5	120.5	137.4
97.5°	4.5	7.9	16.9	29.3	43.9	52.9	61.9	78.8	95.7	112.6	129.5
100°	6.8	9.0	16.9	28.2	41.7	49.6	57.4	73.2	90.1	107.0	122.8
102.5°	9.0	11.3	18.0	28.2	40.5	47.3	55.2	69.8	84.5	100.2	116.0
105°	12.4	13.5	19.1	28.2	39.4	46.2	52.9	66.4	80.0	95.7	109.2
107.5°	14.6	15.8	20.3	29.3	39.4	45.0	51.8	63.1	76.6	90.1	104.7
110°	16.9	16.9	22.5	30.4	39.4	43.9	50.7	61.9	74.3	86.7	99.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	20.3	20.3	23.6	31.5	39.4	43.9	49.6	59.7	70.9	83.3	94.6
115°	23.6	22.5	25.9	32.7	40.5	43.9	49.6	58.6	68.7	80.0	91.2
117.5°	25.9	24.8	28.2	33.8	40.5	45.0	49.6	58.6	67.6	77.7	87.8
120°	29.3	27.0	29.3	34.9	41.7	45.0	49.6	57.4	66.4	75.5	84.5
122.5°	31.5	30.4	31.5	37.2	42.8	45.0	49.6	56.3	65.3	73.2	82.2
125°	34.9	32.7	33.8	38.3	43.9	46.2	50.7	56.3	64.2	72.1	80.0
127.5°	38.3	34.9	34.9	39.4	43.9	47.3	50.7	56.3	63.1	69.8	77.7
130°	40.5	38.3	37.2	41.7	45.0	47.3	50.7	56.3	61.9	68.7	75.5
132.5°	43.9	40.5	39.4	42.8	46.2	48.4	51.8	56.3	61.9	67.6	74.3
135°	46.2	42.8	41.7	43.9	47.3	49.6	51.8	56.3	61.9	66.4	72.1
137.5°	47.3	45.0	43.9	45.0	48.4	50.7	52.9	56.3	60.8	65.3	70.9
140°	49.6	47.3	46.2	47.3	49.6	50.7	52.9	56.3	60.8	64.2	69.8
142.5°	49.6	49.6	47.3	48.4	49.6	51.8	54.1	56.3	59.7	64.2	67.6
145°	50.7	50.7	49.6	50.7	50.7	51.8	54.1	56.3	59.7	63.1	66.4
147.5°	51.8	51.8	51.8	51.8	51.8	52.9	54.1	56.3	59.7	61.9	65.3
150°	51.8	51.8	52.9	52.9	54.1	54.1	55.2	56.3	59.7	61.9	64.2
152.5°	51.8	50.7	52.9	54.1	55.2	55.2	55.2	56.3	58.6	60.8	63.1
155°	50.7	49.6	51.8	52.9	54.1	55.2	56.3	56.3	58.6	59.7	61.9
157.5°	49.6	48.4	50.7	51.8	52.9	54.1	55.2	55.2	56.3	58.6	60.8
160°	48.4	47.3	48.4	50.7	51.8	52.9	54.1	54.1	55.2	56.3	58.6
162.5°	46.2	45.0	46.2	48.4	49.6	50.7	51.8	52.9	54.1	55.2	56.3
165°	42.8	42.8	42.8	45.0	47.3	48.4	49.6	50.7	51.8	52.9	54.1
167.5°	40.5	39.4	40.5	41.7	43.9	45.0	46.2	47.3	48.4	49.6	50.7
170°	40.5	39.4	39.4	40.5	41.7	41.7	42.8	43.9	45.0	46.2	47.3
172.5°	41.7	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	41.7	41.7
175°	41.7	41.7	40.5	40.5	39.4	39.4	39.4	39.4	38.3	37.2	37.2
177.5°	41.7	41.7	41.7	40.5	40.5	39.4	39.4	39.4	38.3	37.2	34.9
180°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9	641.9
2.5°	640.8	640.8	636.3	640.8	641.9	639.7	638.5	640.8	637.4	635.2
5°	638.5	638.5	635.2	639.7	640.8	638.5	638.5	640.8	637.4	636.3
7.5°	634.0	635.2	632.9	637.4	638.5	636.3	636.3	638.5	636.3	634.0
10°	629.5	629.5	628.4	631.8	631.8	630.7	629.5	631.8	630.7	627.3
12.5°	622.8	623.9	621.6	626.1	627.3	625.0	625.0	627.3	625.0	622.8
15°	614.9	614.9	614.9	618.3	619.4	618.3	618.3	620.5	618.3	616.0
17.5°	604.8	605.9	605.9	610.4	611.5	609.3	609.3	612.6	611.5	608.1
20°	592.4	593.5	594.6	598.0	599.1	598.0	598.0	600.2	600.2	596.9
22.5°	580.0	580.0	582.2	585.6	586.7	585.6	585.6	589.0	589.0	584.5
25°	565.3	565.3	568.7	573.2	573.2	572.1	573.2	575.5	576.6	573.2
27.5°	550.7	551.8	555.2	559.7	559.7	559.7	559.7	563.1	563.1	560.8
30°	533.8	536.1	539.4	543.9	545.1	545.1	546.2	548.4	550.7	547.3
32.5°	516.9	519.2	523.7	529.3	530.4	531.6	532.7	537.2	539.4	536.1
35°	500.0	502.3	509.0	515.8	516.9	518.0	520.3	524.8	527.0	523.7
37.5°	483.1	486.5	495.5	501.1	503.4	504.5	507.9	511.3	515.8	511.3
40°	467.4	470.7	480.9	487.6	488.8	491.0	494.4	498.9	502.3	498.9
42.5°	450.5	455.0	465.1	473.0	475.2	477.5	480.9	485.4	489.9	487.6
45°	433.6	439.2	450.5	458.3	460.6	464.0	468.5	473.0	477.5	474.1
47.5°	416.7	423.4	435.8	443.7	446.0	450.5	455.0	459.5	464.0	461.7
50°	399.8	406.5	420.1	429.1	432.4	437.0	440.3	446.0	450.5	448.2
52.5°	384.0	390.8	405.4	414.4	417.8	422.3	426.8	432.4	437.0	434.7
55°	366.0	373.9	389.7	398.7	402.0	407.7	413.3	417.8	423.4	421.2
57.5°	350.2	359.2	375.0	385.1	388.5	394.2	399.8	405.4	411.1	407.7
60°	334.5	343.5	360.4	370.5	373.9	380.6	386.3	390.8	397.5	395.3
62.5°	318.7	328.8	344.6	355.9	360.4	366.0	371.6	377.3	382.9	381.8
65°	301.8	313.1	330.0	341.2	345.7	352.5	358.1	363.8	369.4	368.3
67.5°	288.3	299.6	316.5	327.7	332.2	339.0	345.7	351.4	357.0	355.9
70°	272.5	284.9	301.8	313.1	317.6	324.3	331.1	336.7	342.4	342.4
72.5°	259.0	271.4	288.3	299.6	305.2	311.9	318.7	324.3	330.0	328.8
75°	245.5	257.9	274.8	286.0	291.7	299.6	306.3	311.9	317.6	316.5
77.5°	230.9	244.4	261.3	272.5	278.2	286.0	292.8	298.4	304.1	302.9
80°	217.4	232.0	248.9	260.1	265.8	272.5	280.4	286.0	291.7	290.6
82.5°	205.0	219.6	237.6	248.9	254.5	261.3	269.2	274.8	279.3	279.3
85°	193.7	207.2	224.1	236.5	242.1	248.9	256.8	262.4	268.0	266.9
87.5°	182.4	196.0	211.7	224.1	229.7	236.5	245.5	251.1	255.6	255.6
90°	172.3	185.8	201.6	212.8	218.5	225.2	233.1	239.9	244.4	244.4
92.5°	163.3	175.7	191.4	201.6	207.2	214.0	223.0	227.5	232.0	232.0
95°	154.3	166.7	181.3	191.4	197.1	203.8	211.7	217.4	220.7	221.9
97.5°	145.3	157.7	172.3	181.3	186.9	193.7	201.6	206.1	209.5	210.6
100°	137.4	149.8	163.3	172.3	177.9	184.7	191.4	196.0	199.3	200.5
102.5°	130.6	141.9	155.4	164.4	168.9	174.6	182.4	186.9	190.3	190.3
105°	123.9	135.1	147.5	156.5	161.0	166.7	173.4	177.9	181.3	181.3
107.5°	117.1	128.4	139.6	148.7	153.2	157.7	164.4	168.9	172.3	172.3
110°	111.5	121.6	132.9	140.8	145.3	149.8	156.5	161.0	163.3	164.4





TEST NUMBER: P892685  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	107.0	116.0	126.1	134.0	138.5	143.0	148.7	153.2	155.4	156.5
115°	102.5	110.4	120.5	127.3	131.8	136.3	141.9	145.3	147.5	148.7
117.5°	98.0	105.9	114.9	121.6	125.0	129.5	135.1	138.5	140.8	141.9
120°	94.6	101.4	110.4	116.0	119.4	123.9	128.4	131.8	134.0	134.0
122.5°	90.1	98.0	104.7	110.4	113.7	117.1	122.8	125.0	127.3	127.3
125°	87.8	93.5	101.4	105.9	109.2	112.6	117.1	119.4	121.6	121.6
127.5°	84.5	90.1	96.9	101.4	103.6	107.0	111.5	113.7	114.9	116.0
130°	82.2	87.8	93.5	98.0	100.2	102.5	107.0	108.1	110.4	110.4
132.5°	80.0	84.5	90.1	93.5	95.7	98.0	101.4	103.6	104.7	105.9
135°	77.7	82.2	86.7	90.1	92.3	94.6	98.0	99.1	100.2	101.4
137.5°	75.5	80.0	83.3	86.7	87.8	90.1	93.5	94.6	95.7	95.7
140°	73.2	77.7	81.1	83.3	85.6	86.7	90.1	91.2	91.2	92.3
142.5°	72.1	75.5	77.7	80.0	82.2	83.3	85.6	86.7	87.8	87.8
145°	69.8	73.2	75.5	77.7	78.8	80.0	82.2	83.3	84.5	84.5
147.5°	68.7	70.9	73.2	75.5	76.6	77.7	80.0	80.0	81.1	81.1
150°	66.4	69.8	70.9	73.2	74.3	74.3	76.6	77.7	77.7	77.7
152.5°	65.3	67.6	68.7	69.8	70.9	72.1	73.2	74.3	74.3	74.3
155°	64.2	66.4	67.6	68.7	68.7	69.8	70.9	70.9	70.9	72.1
157.5°	63.1	64.2	65.3	66.4	66.4	67.6	68.7	68.7	68.7	68.7
160°	60.8	61.9	63.1	64.2	65.3	65.3	66.4	66.4	66.4	66.4
162.5°	57.4	59.7	60.8	61.9	63.1	63.1	64.2	64.2	64.2	64.2
165°	55.2	56.3	57.4	59.7	60.8	60.8	61.9	61.9	61.9	61.9
167.5°	52.9	52.9	54.1	55.2	57.4	58.6	59.7	60.8	60.8	60.8
170°	48.4	48.4	49.6	49.6	51.8	52.9	55.2	57.4	58.6	58.6
172.5°	42.8	42.8	43.9	42.8	43.9	43.9	45.0	47.3	49.6	50.7
175°	37.2	37.2	34.9	33.8	33.8	32.7	32.7	31.5	29.3	31.5
177.5°	32.7	31.5	29.3	27.0	27.0	25.9	25.9	23.6	21.4	21.4
180°	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7



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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	14.60	15.91	15.24	16.57	17.34	17.98	19.29	18.63	19.96	20.73
	3H	15.92	17.11	16.57	17.79	18.59	20.80	21.99	21.45	22.67	23.47
	4H	16.32	17.45	16.99	18.14	18.96	22.21	23.35	22.89	24.04	24.86
	6H	16.52	17.58	17.21	18.28	19.11	23.70	24.76	24.39	25.46	26.29
	8H	16.56	17.57	17.26	18.29	19.13	24.45	25.47	25.15	26.19	27.02
	12H	16.56	17.54	17.27	18.25	19.11	25.25	26.22	25.95	26.93	27.80
4H	2H	15.72	16.86	16.40	17.54	18.36	18.32	19.46	18.99	20.14	20.96
	3H	17.33	18.30	18.02	19.03	19.86	21.37	22.35	22.06	23.07	23.91
	4H	17.89	18.79	18.59	19.51	20.38	22.97	23.87	23.67	24.59	25.46
	6H	18.23	19.02	18.95	19.77	20.64	24.67	25.46	25.39	26.21	27.08
	8H	18.30	19.05	19.03	19.80	20.68	25.54	26.29	26.27	27.04	27.93
	12H	18.33	19.01	19.08	19.78	20.67	26.47	27.16	27.22	27.93	28.82
8H	4H	18.93	19.68	19.66	20.43	21.31	23.15	23.90	23.87	24.64	25.53
	6H	19.54	20.18	20.30	20.97	21.86	25.03	25.67	25.79	26.46	27.34
	8H	19.74	20.32	20.51	21.11	22.01	26.06	26.64	26.83	27.43	28.33
	12H	19.86	20.37	20.63	21.15	22.11	27.19	27.71	27.96	28.49	29.45
12H	4H	19.26	19.95	20.01	20.72	21.61	23.14	23.83	23.89	24.60	25.49
	6H	20.04	20.62	20.80	21.40	22.30	25.06	25.64	25.83	26.43	27.33
	8H	20.37	20.88	21.14	21.66	22.62	26.16	26.67	26.93	27.46	28.41