

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: P893338

Luminaire Tested: 4MB-2SL-RNDU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893338
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-2SL-RNDU-UNV-L835
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 5
Light Source: -
Ballast/Driver: -

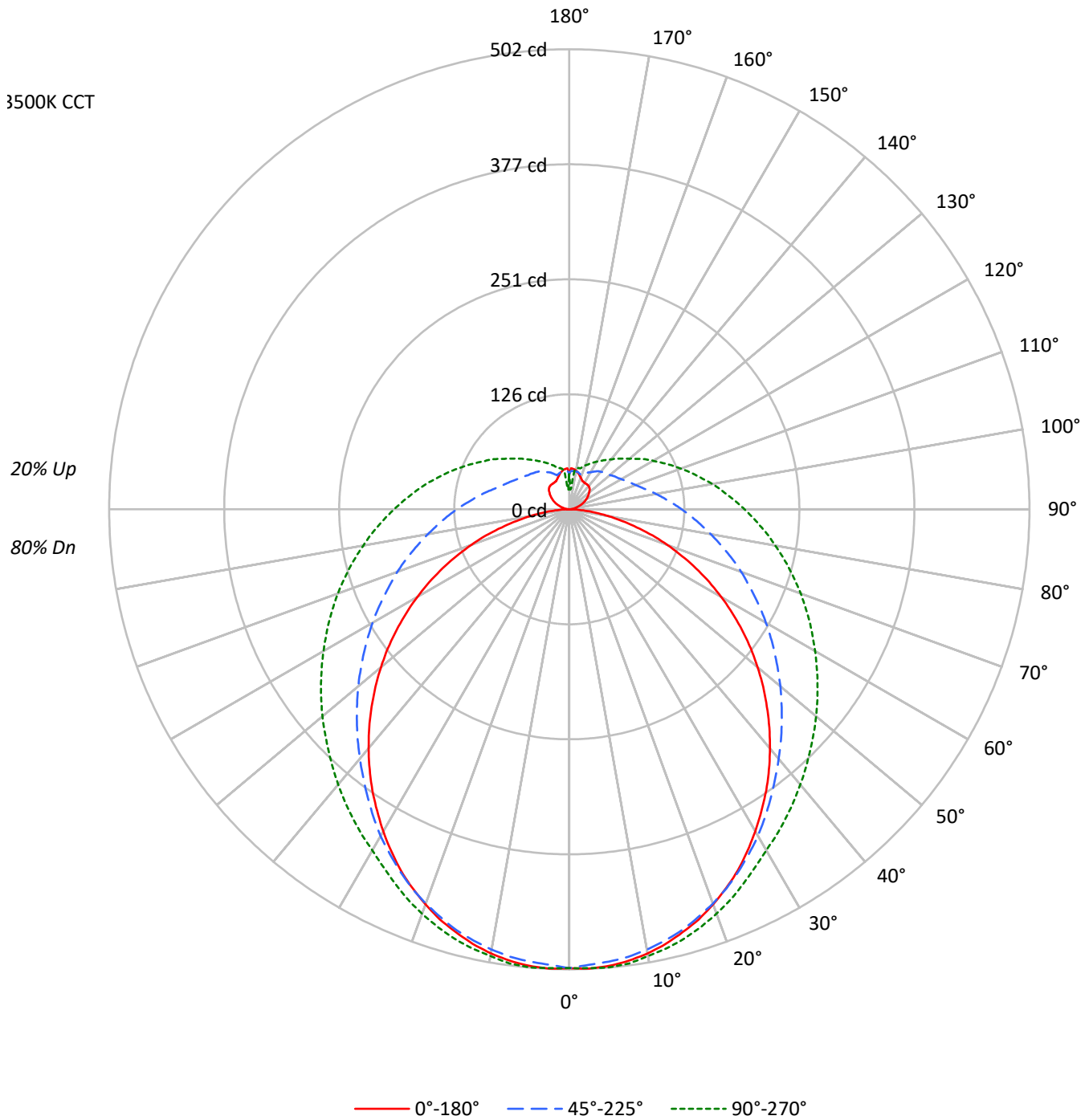
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.0 lumens
Efficiency: N/A
Efficacy: 152.6 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): 13.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
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	50	0
RCR																						
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	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	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	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	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	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	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	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	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	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	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3562	3562	3562
5°	3556	3412	3419
10°	3523	3279	3261
15°	3471	3145	3115
20°	3409	3002	2965
25°	3334	2860	2815
30°	3237	2716	2682
35°	3138	2568	2584
40°	3030	2434	2495
45°	2915	2315	2416
50°	2794	2210	2354
55°	2656	2112	2301
60°	2498	2031	2261
65°	2308	1961	2238
70°	2071	1917	2231
75°	1752	1885	2241
80°	1371	1884	2276
85°	878	1934	2350

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2915 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	2.2
10°-20°	135.1	6.4
20°-30°	202.8	9.6
30°-40°	243.9	11.6
40°-50°	258.4	12.3
50°-60°	248.8	11.8
60°-70°	220.2	10.5
70°-80°	180.6	8.6
80°-90°	140.2	6.7
90°-100°	108.8	5.2
100°-110°	86.2	4.1
110°-120°	68.7	3.3
120°-130°	54.5	2.6
130°-140°	42.6	2.0
140°-150°	31.3	1.5
150°-160°	20.7	1.0
160°-170°	11.9	0.6
170°-180°	3.8	0.2
0°-30°	385.3	18.3
0°-40°	629.1	29.9
0°-60°	1136.3	54.0
0°-90°	1677.4	79.6
90°-120°	263.7	12.5
90°-150°	392.1	18.6
90°-180°	429.0	20.4
0°-180°	2106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	501	501	501	501	501	
5°	500	501	496	499	502	47
15°	478	478	476	483	485	135
25°	435	436	436	447	450	200
35°	374	379	384	404	412	234
45°	305	312	328	359	372	235
55°	230	242	274	314	331	206
65°	152	173	222	269	289	151
75°	76	114	177	227	248	82
85°	17	69	139	189	209	20
90°	0	54	122	172	191	1
95°	2	45	108	155	174	3
105°	9	36	85	127	143	9
115°	17	35	71	103	117	17
125°	25	36	62	85	96	22
135°	31	39	56	72	78	24
145°	33	38	50	62	65	21
155°	34	40	43	52	55	16
165°	40	42	41	41	46	11
175°	44	44	42	35	23	4
180°	39	39	39	39	39	



TEST NUMBER: P893338
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7
2.5°	501.7	501.2	502.1	503.1	505.9	502.1	504.0	498.8	499.3	499.8	497.4
5°	500.2	498.8	500.2	501.2	503.6	500.7	502.6	496.9	497.4	498.3	495.5
7.5°	496.9	495.5	496.4	497.4	499.8	496.9	499.3	493.6	494.5	495.0	492.6
10°	492.1	490.2	491.2	492.6	494.5	492.1	494.0	488.8	489.3	490.2	487.8
12.5°	485.9	484.0	485.0	485.9	488.3	485.9	487.8	482.6	483.6	484.5	482.1
15°	477.8	475.9	476.9	477.8	479.7	478.3	480.2	475.0	475.9	477.8	475.5
17.5°	469.3	466.4	467.4	468.8	470.7	469.7	471.2	466.9	467.4	469.3	466.9
20°	458.8	455.9	456.9	458.3	460.2	459.7	460.7	456.9	457.8	460.2	457.8
22.5°	447.3	444.5	445.4	447.3	448.8	448.8	449.3	446.4	447.3	449.7	447.8
25°	435.0	432.1	433.1	435.0	436.4	436.4	437.3	434.5	435.9	438.3	436.4
27.5°	420.7	419.2	419.2	421.1	422.1	423.1	423.5	421.1	423.1	425.4	424.0
30°	405.9	404.0	404.9	407.3	407.3	409.2	409.2	407.3	409.7	412.6	411.6
32.5°	390.2	388.7	389.2	392.1	392.1	394.5	394.0	393.0	395.4	398.8	397.8
35°	374.5	373.0	373.5	376.4	376.4	379.2	378.3	378.3	380.7	384.5	383.5
37.5°	357.8	356.8	357.3	360.2	360.2	363.0	362.1	362.5	365.4	369.7	369.2
40°	340.6	339.7	340.6	343.0	344.0	346.3	345.4	346.3	350.2	354.0	355.4
42.5°	323.0	322.5	323.5	325.9	326.8	329.2	328.7	330.2	334.0	339.7	341.6
45°	304.9	304.9	305.9	308.2	309.2	312.0	311.6	313.5	318.2	324.4	327.8
47.5°	286.8	287.3	287.8	290.6	290.6	295.4	293.9	296.8	303.0	310.1	314.0
50°	268.2	269.2	269.6	272.0	273.0	277.3	276.3	281.1	287.8	295.4	300.6
52.5°	249.6	250.6	251.5	253.4	254.4	259.6	258.7	264.9	273.0	281.1	286.8
55°	230.1	232.0	232.5	234.9	236.3	241.5	241.5	248.7	257.3	266.3	273.5
57.5°	211.0	213.0	213.4	216.3	218.2	224.4	225.3	233.4	243.0	252.0	260.6
60°	191.5	193.9	194.4	197.2	200.6	207.2	208.7	217.7	228.2	237.7	247.7
62.5°	172.0	174.4	175.3	178.2	183.4	190.1	192.5	202.9	213.9	224.4	235.3
65°	152.5	154.8	156.3	160.1	166.3	173.4	176.7	187.7	200.1	211.0	222.5
67.5°	132.9	135.8	137.7	142.4	150.5	158.2	161.5	173.9	186.8	198.7	210.6
70°	113.9	116.7	119.1	125.3	134.8	142.4	146.7	160.1	173.4	186.3	199.6
72.5°	95.3	98.1	101.5	109.1	119.6	128.2	132.9	146.7	161.5	174.4	188.2
75°	76.2	79.6	83.4	93.9	105.8	114.3	119.6	134.3	149.6	162.5	177.2
77.5°	59.1	62.4	68.1	78.6	91.9	101.5	107.2	122.9	138.6	151.5	166.7
80°	43.4	46.7	54.3	65.7	79.6	88.6	95.8	112.0	128.2	141.5	156.7
82.5°	29.5	32.9	41.9	54.3	69.1	78.1	84.8	102.0	118.1	132.0	147.2
85°	17.2	21.9	31.4	44.8	60.0	69.1	75.7	93.4	109.1	122.9	138.6
87.5°	7.6	13.3	23.8	37.2	52.4	61.0	68.1	84.3	101.0	114.8	130.5
90°	0.5	7.6	18.6	31.4	46.2	54.3	61.0	77.2	92.9	107.2	122.4
92.5°	1.0	5.2	15.2	27.2	41.0	49.1	55.7	71.0	85.8	100.5	115.3
95°	2.4	5.2	13.3	24.3	37.2	44.8	51.0	65.7	79.6	93.9	108.1
97.5°	3.8	5.7	12.9	22.9	34.3	41.4	47.2	61.0	74.8	87.7	102.0
100°	5.2	7.1	12.9	21.9	32.4	39.1	44.3	57.2	70.0	81.9	96.2
102.5°	6.7	8.6	13.8	21.9	31.4	37.2	42.4	54.3	66.2	77.2	90.5
105°	8.6	10.0	14.8	21.9	30.5	36.2	40.5	51.5	62.9	73.4	85.3
107.5°	10.5	11.4	15.7	22.4	30.5	35.3	39.5	49.5	60.0	69.6	81.0
110°	12.9	13.3	17.2	23.3	30.5	34.8	38.6	48.1	57.6	66.7	77.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	14.8	14.8	18.6	24.3	30.5	34.8	38.1	46.7	55.7	63.8	73.8
115°	17.2	17.2	20.0	25.2	31.0	34.8	38.1	46.2	54.3	61.5	71.0
117.5°	19.1	19.1	21.9	26.2	31.9	35.3	38.1	45.3	52.9	59.6	68.1
120°	21.0	21.0	22.9	27.2	32.4	35.7	38.1	44.8	51.5	58.1	65.7
122.5°	22.9	22.9	24.3	28.6	32.9	35.7	38.1	44.3	50.5	56.2	63.4
125°	24.8	24.8	25.7	29.5	33.8	36.2	38.6	44.3	50.0	54.8	61.9
127.5°	26.7	26.2	27.6	31.0	34.3	36.7	39.1	44.3	49.1	53.8	60.0
130°	28.1	27.6	29.5	31.9	35.3	37.2	39.1	43.8	48.6	52.9	58.1
132.5°	30.0	29.1	31.4	32.4	36.2	38.1	39.5	43.8	48.1	51.9	57.2
135°	31.4	30.5	32.9	33.8	36.7	38.6	40.0	43.8	47.6	51.5	55.7
137.5°	32.4	31.9	34.3	35.3	37.2	39.1	40.5	43.8	47.2	50.5	54.8
140°	32.9	32.4	34.3	36.2	37.2	39.1	40.0	43.4	46.7	49.5	53.4
142.5°	33.3	33.3	34.8	36.7	37.2	38.6	40.0	42.9	45.7	48.1	52.4
145°	33.3	33.3	34.8	37.2	37.6	38.1	39.1	41.9	44.3	46.7	50.5
147.5°	33.3	33.3	35.3	37.2	38.1	38.6	38.1	41.0	43.4	45.3	48.6
150°	33.3	33.3	35.3	37.2	38.6	39.1	38.6	40.0	41.9	43.8	46.7
152.5°	33.8	33.8	35.3	37.2	38.6	39.1	39.1	39.1	40.5	42.4	45.3
155°	33.8	34.3	35.3	38.1	39.1	39.5	39.5	39.5	39.1	41.0	43.4
157.5°	35.3	35.7	36.2	38.6	39.5	40.0	40.0	40.0	39.5	39.1	41.4
160°	36.7	37.2	37.6	39.5	40.5	41.0	41.0	41.0	40.0	39.5	39.5
162.5°	38.1	39.1	39.1	40.0	41.0	41.4	41.4	41.9	41.0	40.5	40.0
165°	40.0	40.5	40.5	41.0	41.9	42.4	41.9	42.4	41.9	41.4	41.0
167.5°	41.4	41.9	41.9	42.4	42.4	42.9	42.9	42.9	42.4	41.9	41.9
170°	42.9	43.4	43.4	43.4	43.4	43.4	43.4	43.4	42.9	41.9	41.9
172.5°	43.8	44.3	44.3	43.8	43.8	43.8	43.8	43.4	42.4	41.9	41.9
175°	44.3	44.8	44.8	44.3	43.8	43.8	43.8	43.4	42.4	41.9	41.9
177.5°	44.8	45.3	44.8	44.8	43.8	43.8	43.8	43.8	42.9	42.4	41.9
180°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7	500.7
2.5°	500.2	494.5	498.3	498.8	500.7	498.8	500.2	498.8	502.6	501.2
5°	498.3	493.1	496.4	496.9	499.3	496.9	499.3	498.3	503.1	501.7
7.5°	495.0	490.7	493.6	494.0	496.9	494.5	496.9	495.9	501.7	499.8
10°	490.2	486.9	489.7	490.2	493.1	490.7	492.6	491.7	497.8	495.0
12.5°	485.0	482.1	484.5	485.0	488.3	485.9	488.3	487.4	493.6	490.7
15°	477.4	475.9	478.3	479.3	482.6	480.7	483.1	482.1	488.8	485.0
17.5°	469.7	468.8	471.2	472.1	475.9	473.5	475.9	475.0	481.6	477.8
20°	460.2	459.7	462.1	463.5	466.9	464.5	467.4	466.4	473.5	469.7
22.5°	450.2	450.2	452.1	453.5	456.9	455.0	457.8	457.4	464.5	460.7
25°	439.2	439.7	441.6	443.5	447.3	445.9	448.3	448.3	455.0	450.2
27.5°	426.9	429.2	430.7	433.1	436.4	435.0	437.3	437.8	444.5	439.7
30°	414.0	417.3	418.8	421.6	424.5	424.5	426.9	427.8	434.5	429.7
32.5°	400.7	404.5	406.4	410.2	414.0	414.0	417.3	418.8	425.4	421.1
35°	387.3	392.6	394.9	399.7	403.5	404.0	407.3	409.2	415.9	411.6
37.5°	374.5	381.1	383.5	389.2	392.6	393.5	397.3	399.7	405.9	402.1
40°	361.1	369.2	372.1	378.3	381.1	383.0	386.8	389.7	395.4	392.1
42.5°	348.3	357.3	360.2	366.8	370.2	372.1	375.9	379.7	385.4	382.1
45°	335.4	345.4	348.7	355.9	358.7	361.6	365.9	369.2	374.5	371.6
47.5°	323.0	333.5	336.8	344.4	347.8	351.1	354.9	359.7	364.5	361.6
50°	310.1	321.1	325.4	333.5	336.3	340.2	344.9	349.2	354.0	351.6
52.5°	297.8	309.2	313.5	322.1	325.4	329.2	334.0	338.7	343.0	341.1
55°	284.4	296.8	301.6	310.6	314.0	317.8	323.0	328.2	332.1	330.6
57.5°	272.0	284.9	289.7	299.7	302.5	307.3	312.5	318.2	321.6	320.1
60°	259.6	272.5	278.2	288.2	291.6	296.3	301.6	307.8	310.6	309.7
62.5°	247.3	260.6	266.8	277.3	280.1	285.4	291.6	296.8	299.7	299.2
65°	235.8	248.7	255.8	266.3	269.2	274.9	280.6	286.3	289.2	289.2
67.5°	223.9	237.7	244.9	255.8	258.2	264.4	270.6	276.3	278.7	278.7
70°	213.0	226.3	234.4	245.4	247.7	253.4	260.1	266.3	268.2	268.7
72.5°	202.0	215.3	223.9	235.3	237.7	243.4	249.6	256.3	257.7	258.2
75°	191.5	204.9	213.4	224.9	227.2	233.0	239.6	245.8	247.7	248.2
77.5°	181.0	194.4	203.9	214.9	217.2	223.0	229.6	235.8	237.3	238.2
80°	171.5	184.4	193.4	205.3	207.7	213.4	219.6	225.8	226.8	228.2
82.5°	162.0	174.8	184.4	195.8	198.2	203.9	210.1	216.3	217.2	219.1
85°	152.9	165.8	175.3	186.3	189.1	194.4	201.0	206.8	207.7	209.1
87.5°	144.8	156.7	166.7	177.2	180.1	185.3	192.0	197.7	198.2	200.1
90°	136.3	148.2	158.2	168.6	171.5	176.3	182.9	188.7	189.6	191.0
92.5°	129.1	140.1	150.5	160.5	162.9	168.2	174.4	180.1	181.0	182.5
95°	121.5	132.4	142.9	152.5	154.8	160.1	165.8	171.5	172.5	173.9
97.5°	114.8	125.3	135.3	144.8	147.2	152.0	158.2	163.4	164.4	166.3
100°	108.6	118.6	129.1	137.7	140.1	144.8	150.5	155.8	156.7	158.6
102.5°	102.9	112.4	122.4	130.5	133.4	137.7	143.4	148.2	149.1	150.5
105°	97.7	106.7	116.2	123.9	126.7	131.0	136.3	141.0	142.0	143.4
107.5°	92.4	101.0	110.1	117.7	120.1	123.9	129.1	133.9	134.8	136.7
110°	87.7	96.2	104.8	112.0	114.8	117.7	122.9	127.2	128.2	129.6



TEST NUMBER: P893338
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	83.4	91.0	99.6	106.2	108.6	112.0	116.2	120.5	121.5	123.4
115°	79.6	86.7	95.3	101.5	103.4	106.2	111.0	114.8	115.8	117.2
117.5°	76.2	82.4	90.0	96.2	98.6	101.0	105.3	108.6	110.1	111.0
120°	73.4	79.1	85.8	91.5	94.3	96.2	100.0	103.4	104.8	105.8
122.5°	70.5	75.7	81.9	87.2	89.6	91.0	95.3	98.1	99.6	101.0
125°	68.1	72.9	78.6	82.9	85.3	86.7	90.5	93.4	94.8	95.8
127.5°	65.7	70.0	75.7	79.1	81.5	82.4	85.8	88.6	90.0	90.5
130°	63.4	67.6	72.4	75.7	77.7	79.1	81.9	83.8	85.3	85.8
132.5°	61.5	65.3	69.6	72.9	74.8	75.3	78.1	80.0	81.5	81.9
135°	60.0	62.9	67.2	70.0	71.5	72.4	74.8	76.2	77.7	78.1
137.5°	58.1	61.0	64.8	66.7	68.6	69.1	71.5	72.9	74.3	74.8
140°	56.7	59.1	62.4	64.3	66.2	66.2	68.1	69.6	71.0	71.0
142.5°	55.3	57.6	60.5	62.4	63.8	63.8	65.7	66.7	68.1	68.1
145°	53.4	55.7	58.6	60.0	61.5	61.5	62.9	63.8	65.3	65.3
147.5°	51.5	53.8	56.7	57.6	59.1	59.1	60.5	61.5	62.4	62.4
150°	49.1	51.0	54.3	55.7	57.2	57.2	58.1	59.1	60.0	60.0
152.5°	47.2	48.6	51.5	53.4	54.8	54.8	55.7	56.7	57.6	57.6
155°	44.8	46.2	48.6	51.0	52.4	52.9	53.8	54.3	55.3	55.3
157.5°	42.9	44.3	46.2	48.1	49.5	50.5	51.9	52.4	52.9	52.9
160°	40.5	41.4	43.4	45.3	46.7	47.6	50.0	50.5	51.0	51.0
162.5°	39.5	39.5	40.5	41.9	43.4	43.8	46.2	48.1	49.1	48.6
165°	40.0	39.5	39.5	40.0	41.0	41.4	42.9	45.7	46.7	46.2
167.5°	41.0	40.0	39.5	39.5	40.5	40.5	41.9	44.3	47.2	46.2
170°	41.0	39.5	38.6	38.6	39.1	39.1	40.0	41.4	44.3	44.8
172.5°	40.5	39.5	38.1	36.2	36.7	36.2	35.7	36.7	37.2	41.9
175°	41.0	39.5	38.1	35.7	34.8	33.3	31.0	29.1	28.6	23.3
177.5°	40.5	39.1	37.2	35.3	34.3	32.4	29.5	26.2	24.3	21.4
180°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6



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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	11.34	12.66	11.99	13.32	14.09	14.89	16.20	15.53	16.87	17.64
	3H	12.69	13.89	13.35	14.57	15.37	17.81	19.01	18.46	19.68	20.48
	4H	13.10	14.24	13.77	14.92	15.74	19.28	20.42	19.96	21.11	21.92
	6H	13.31	14.38	14.00	15.07	15.90	20.84	21.90	21.53	22.60	23.43
	8H	13.35	14.37	14.04	15.08	15.92	21.65	22.67	22.35	23.39	24.22
	12H	13.35	14.33	14.06	15.04	15.90	22.53	23.50	23.23	24.22	25.08
4H	2H	12.49	13.63	13.16	14.31	15.13	15.21	16.35	15.89	17.04	17.85
	3H	14.13	15.11	14.82	15.83	16.66	18.36	19.34	19.05	20.06	20.89
	4H	14.70	15.60	15.40	16.32	17.19	20.01	20.91	20.71	21.64	22.50
	6H	15.04	15.84	15.76	16.59	17.45	21.78	22.58	22.50	23.33	24.20
	8H	15.11	15.86	15.84	16.61	17.49	22.72	23.47	23.44	24.21	25.10
	12H	15.14	15.82	15.89	16.59	17.48	23.74	24.42	24.49	25.19	26.08
8H	4H	15.78	16.53	16.51	17.28	18.17	20.18	20.94	20.91	21.68	22.57
	6H	16.39	17.03	17.15	17.82	18.71	22.13	22.78	22.89	23.56	24.45
	8H	16.59	17.17	17.36	17.96	18.85	23.22	23.80	23.98	24.58	25.48
	12H	16.70	17.22	17.47	18.00	18.96	24.44	24.95	25.21	25.73	26.69
12H	4H	16.14	16.82	16.89	17.59	18.48	20.18	20.86	20.93	21.63	22.52
	6H	16.92	17.50	17.68	18.28	19.18	22.17	22.75	22.93	23.53	24.43
	8H	17.24	17.76	18.01	18.54	19.50	23.31	23.83	24.08	24.61	25.56