

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: P893296

Luminaire Tested: 4MB-2SL-FLTU-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-2SL-FLTU-UNV-L950
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 500
Light Source: -
Ballast/Driver: -

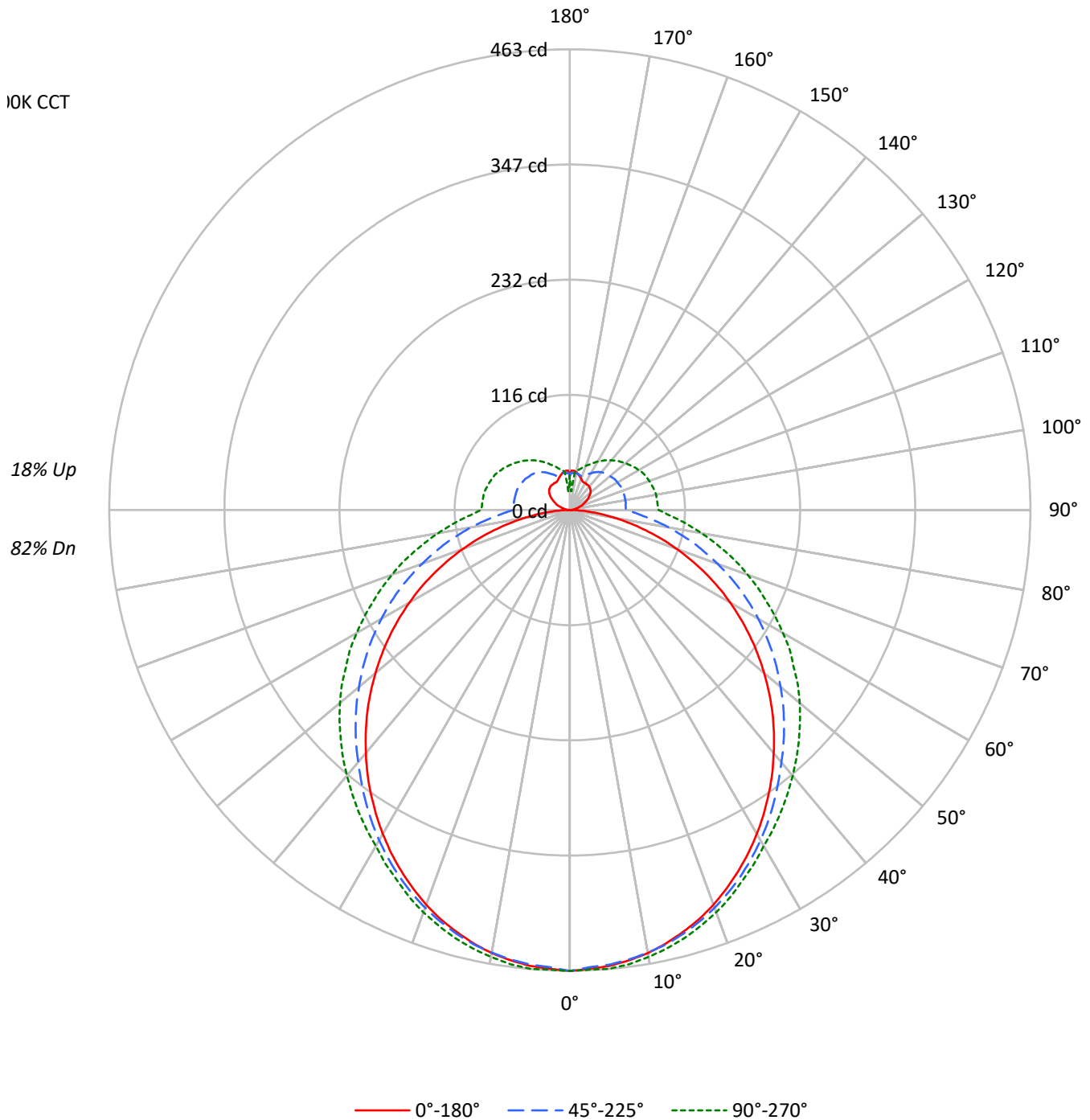
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1751.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 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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CATALOG NUMBER: 4MB-2SL-FLTU-UNV-L950

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3296	3296	3296
5°	3269	3157	3154
10°	3237	3036	3004
15°	3190	2915	2861
20°	3136	2791	2716
25°	3070	2661	2568
30°	2998	2529	2434
35°	2920	2396	2323
40°	2837	2266	2217
45°	2755	2151	2117
50°	2658	2033	2020
55°	2553	1918	1910
60°	2428	1794	1806
65°	2279	1663	1690
70°	2084	1519	1580
75°	1819	1372	1463
80°	1469	1216	1342
85°	1016	1056	1232

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	2.5
10°-20°	124.9	7.1
20°-30°	187.7	10.7
30°-40°	225.4	12.9
40°-50°	237.0	13.5
50°-60°	222.7	12.7
60°-70°	185.2	10.6
70°-80°	132.1	7.5
80°-90°	78.6	4.5
90°-100°	56.9	3.3
100°-110°	56.2	3.2
110°-120°	52.8	3.0
120°-130°	46.7	2.7
130°-140°	38.7	2.2
140°-150°	29.0	1.7
150°-160°	19.1	1.1
160°-170°	10.8	0.6
170°-180°	3.4	0.2
0°-30°	356.4	20.4
0°-40°	581.8	33.2
0°-60°	1041.4	59.5
0°-90°	1437.3	82.1
90°-120°	165.9	9.5
90°-150°	280.4	16.0
90°-180°	314.0	17.9
0°-180°	1751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	463	463	463	463	463	
5°	460	465	458	460	463	44
15°	439	446	441	444	445	124
25°	401	408	406	410	411	185
35°	348	357	358	367	370	218
45°	288	296	304	320	326	222
55°	221	230	248	269	274	198
65°	151	163	189	212	218	149
75°	79	97	129	154	162	84
85°	20	44	76	101	110	22
90°	0	25	56	81	89	1
95°	2	26	56	80	88	2
105°	8	29	57	79	87	9
115°	16	32	56	76	83	16
125°	24	34	55	71	77	21
135°	29	36	52	65	69	22
145°	31	35	46	58	61	19
155°	31	35	39	49	52	15
165°	36	38	37	37	43	10
175°	40	39	37	32	19	4
180°	35	35	35	35	35	



TEST NUMBER: P893296
 CATALOG NUMBER: 4MB-2SL-FLTU-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	461.5	462.7	463.2	467.4	465.7	467.4	464.4	461.1	460.2	462.3	459.8
5°	459.8	461.1	461.5	465.7	464.0	465.3	462.7	459.4	458.5	461.1	458.5
7.5°	456.4	457.7	458.1	462.7	460.6	462.3	459.4	456.0	455.6	458.1	455.6
10°	452.2	453.4	453.9	458.1	456.4	458.1	455.1	451.7	451.3	454.3	451.7
12.5°	446.2	447.5	448.4	452.6	450.5	452.6	449.2	445.8	446.2	448.8	447.1
15°	439.1	440.8	441.2	445.4	443.7	445.8	442.4	439.1	439.9	442.4	440.8
17.5°	431.4	433.1	433.6	437.4	435.7	438.2	434.4	431.4	432.3	434.8	433.6
20°	422.1	423.8	424.7	428.5	426.8	429.3	425.5	423.0	423.8	426.8	425.5
22.5°	411.6	414.1	414.5	418.8	416.6	419.2	415.4	413.3	414.5	417.5	416.2
25°	400.6	403.1	403.5	407.8	406.1	408.2	404.4	402.3	404.0	406.9	406.1
27.5°	388.7	391.3	392.1	395.9	394.2	396.8	392.5	391.3	393.0	395.9	395.1
30°	376.0	378.6	379.0	382.8	381.5	384.1	380.3	378.6	381.1	384.1	383.2
32.5°	362.5	365.0	366.3	369.7	368.4	370.5	367.2	366.3	368.4	371.4	371.0
35°	348.5	351.1	352.3	356.2	354.5	356.6	353.2	352.3	355.7	357.8	357.8
37.5°	334.2	336.7	338.0	341.8	339.7	342.2	338.8	338.4	342.2	344.3	344.3
40°	318.9	321.9	323.2	326.5	324.9	327.0	324.0	324.4	327.8	330.4	330.8
42.5°	303.7	306.7	307.9	311.7	309.6	311.7	309.2	309.6	313.4	316.0	318.1
45°	288.1	290.6	291.9	296.1	293.6	296.1	293.6	294.4	298.2	302.0	304.5
47.5°	271.6	274.1	276.2	279.6	277.5	279.6	277.9	279.2	283.8	287.6	291.0
50°	255.1	257.6	259.7	262.7	260.6	263.5	261.4	263.1	269.0	272.8	276.6
52.5°	238.1	240.3	243.6	245.3	243.6	247.0	245.3	247.9	253.8	258.4	262.7
55°	221.2	223.3	226.7	228.0	226.3	230.1	228.8	232.2	238.6	243.6	248.3
57.5°	203.9	206.0	209.0	210.2	209.0	213.2	212.8	216.6	222.9	228.4	233.5
60°	186.1	188.2	190.8	192.0	192.0	196.3	196.3	200.9	207.7	212.8	218.7
62.5°	168.8	170.0	172.6	174.3	175.5	179.8	179.8	184.8	192.0	198.0	203.9
65°	150.6	151.9	154.0	156.1	158.2	162.8	163.3	168.8	176.0	181.9	188.7
67.5°	132.4	133.7	135.8	138.3	141.3	145.9	146.8	152.7	160.3	167.1	173.4
70°	114.6	115.1	117.6	121.0	124.4	129.0	130.3	136.6	144.7	151.4	158.2
72.5°	96.9	97.3	99.8	104.1	107.9	112.9	114.6	121.4	129.4	136.2	143.0
75°	79.1	79.5	82.9	88.0	92.2	96.9	99.0	106.2	114.2	121.4	129.0
77.5°	62.2	63.0	66.4	71.5	76.6	82.1	84.2	91.4	100.2	107.0	114.2
80°	46.5	47.4	51.2	56.7	62.2	67.3	69.8	77.0	86.3	93.1	101.1
82.5°	32.1	33.4	38.1	44.0	49.5	55.0	57.5	64.3	72.8	80.4	88.0
85°	19.9	21.6	26.2	32.6	38.5	43.6	46.1	53.3	61.3	68.5	75.7
87.5°	9.3	11.8	16.5	22.8	29.2	33.4	36.4	43.6	51.2	58.4	65.6
90°	0.0	3.8	8.5	14.8	21.1	25.0	28.3	35.1	42.7	49.5	56.3
92.5°	0.8	4.2	9.3	15.2	21.6	25.4	28.8	35.5	42.7	49.5	56.3
95°	2.1	4.7	9.7	16.1	22.4	26.2	29.2	36.0	43.1	49.9	56.3
97.5°	3.8	5.9	11.0	16.9	23.3	26.6	30.0	36.8	43.6	50.3	56.7
100°	5.1	6.8	11.8	17.8	24.1	27.5	30.9	37.2	44.0	50.8	56.7
102.5°	6.3	8.5	13.1	18.6	25.0	28.3	31.3	37.6	44.4	50.8	56.7
105°	8.0	9.7	14.0	19.9	25.8	29.2	32.1	38.5	44.8	51.2	56.7
107.5°	9.7	11.0	15.2	20.7	26.6	29.6	32.6	38.9	45.3	51.2	56.7
110°	11.8	12.7	16.5	21.6	27.1	30.5	33.4	39.3	45.3	51.2	56.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	14.0	14.0	17.8	22.4	27.9	30.9	33.8	39.8	45.7	51.2	56.7
115°	15.7	16.1	19.0	23.3	28.8	31.7	34.3	39.8	45.7	51.2	56.3
117.5°	17.8	17.8	20.7	24.1	29.2	32.1	35.1	40.2	45.7	50.8	55.8
120°	19.9	19.5	22.0	25.4	30.0	32.6	35.5	40.6	45.7	50.8	55.4
122.5°	22.0	21.1	22.8	26.2	30.5	33.4	35.5	40.6	45.7	50.3	55.0
125°	23.7	22.8	24.1	27.5	31.3	33.8	36.0	40.6	45.7	49.9	54.6
127.5°	25.4	24.5	25.8	28.3	31.7	33.8	36.4	40.6	45.7	49.5	53.7
130°	27.1	25.8	27.5	29.2	32.6	34.3	36.4	40.6	45.3	49.1	52.9
132.5°	28.3	27.1	28.8	30.0	33.0	34.7	36.8	40.6	44.8	48.6	52.5
135°	29.2	27.9	30.0	30.9	33.8	35.5	37.2	40.6	44.4	48.2	51.6
137.5°	30.0	28.3	30.9	31.7	34.3	36.0	37.2	40.2	44.0	47.4	50.8
140°	30.5	29.2	31.7	32.6	33.8	35.5	37.2	39.8	43.1	46.5	49.5
142.5°	30.9	29.2	32.1	33.0	33.8	35.1	36.8	38.9	42.3	45.3	48.2
145°	30.9	29.6	32.1	33.0	33.8	34.7	36.0	38.5	41.0	43.6	46.5
147.5°	30.9	30.0	32.6	33.4	34.3	34.3	35.1	37.6	39.8	42.3	44.8
150°	31.3	30.0	32.6	33.4	34.7	34.7	35.1	36.4	38.9	40.6	42.7
152.5°	30.9	30.5	32.1	33.8	34.7	35.1	35.1	35.5	37.6	39.3	41.0
155°	31.3	31.3	32.6	34.7	35.1	35.1	35.5	35.1	36.0	37.6	39.3
157.5°	32.1	33.0	33.0	35.1	36.0	36.0	36.4	36.0	35.5	36.0	37.6
160°	33.4	34.3	34.3	35.5	36.8	36.8	37.2	36.8	36.4	36.0	36.0
162.5°	34.7	35.5	35.5	36.0	37.2	37.6	38.1	37.6	37.2	36.4	36.0
165°	36.0	36.8	36.8	36.8	37.6	38.1	38.5	38.1	38.1	37.2	36.8
167.5°	37.2	38.1	38.1	37.6	38.1	38.5	38.9	38.5	38.5	38.1	37.2
170°	38.5	39.3	39.3	38.5	38.9	38.9	39.3	38.9	38.9	38.1	37.6
172.5°	39.3	40.2	39.8	39.3	39.3	39.3	39.3	38.9	38.5	37.6	37.6
175°	39.8	40.6	40.6	39.8	39.3	39.3	39.8	38.9	38.5	38.1	37.2
177.5°	39.8	40.6	40.6	39.8	39.8	39.3	39.8	39.3	39.3	38.5	37.6
180°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2	463.2
2.5°	461.5	461.1	458.5	461.5	461.5	460.6	464.0	463.6	463.2	462.3
5°	459.8	459.4	456.8	459.8	459.8	459.4	462.7	463.2	463.6	462.7
7.5°	457.2	456.8	454.3	457.2	457.2	456.8	460.6	461.1	461.5	460.2
10°	453.4	453.0	450.5	453.4	453.9	453.4	456.4	456.8	457.7	456.0
12.5°	448.4	448.4	445.8	448.8	449.2	448.8	451.7	452.6	453.4	451.3
15°	442.0	442.4	440.3	443.3	443.7	443.7	446.7	447.1	448.4	445.4
17.5°	434.4	435.3	433.6	436.5	436.9	437.4	439.1	440.3	441.6	438.2
20°	426.4	426.8	425.5	428.1	428.9	428.5	430.6	432.3	433.6	430.2
22.5°	416.6	417.1	415.8	418.3	419.2	419.6	421.3	423.4	424.3	421.3
25°	405.6	407.3	406.5	409.0	409.9	409.9	411.6	413.7	414.9	410.7
27.5°	395.1	397.2	396.3	398.9	399.7	400.1	401.0	403.5	404.8	401.0
30°	383.2	385.8	385.3	387.9	388.7	388.3	390.0	392.5	394.2	390.0
32.5°	370.1	373.5	373.1	376.5	377.3	377.7	379.0	382.4	384.1	380.3
35°	357.4	361.2	361.7	365.5	366.7	367.2	368.8	372.2	373.9	370.1
37.5°	344.3	349.4	350.7	354.5	355.7	356.2	357.8	361.7	363.3	359.5
40°	331.6	337.5	339.2	342.6	343.9	345.2	346.4	350.2	352.3	348.5
42.5°	318.9	325.3	327.4	330.8	332.0	333.3	335.0	339.2	340.9	337.5
45°	305.8	312.6	315.1	318.5	320.2	321.5	323.2	327.0	329.1	325.7
47.5°	292.7	299.5	302.0	305.8	307.5	309.2	310.5	315.1	317.2	313.9
50°	278.7	286.4	289.3	292.7	295.2	296.5	298.2	302.4	304.5	301.6
52.5°	264.8	272.8	276.2	279.6	282.1	284.2	285.1	289.7	291.9	288.9
55°	250.4	258.4	262.3	266.1	268.6	271.1	272.0	276.6	278.7	274.5
57.5°	236.0	244.5	248.3	252.5	254.6	257.6	258.9	263.1	265.2	262.3
60°	221.6	229.7	234.3	238.1	241.1	243.6	244.5	249.1	251.3	247.4
62.5°	206.8	215.3	220.0	224.2	226.7	229.7	231.0	235.2	236.9	233.1
65°	191.6	200.1	205.1	209.0	212.3	214.9	215.7	220.4	222.1	218.3
67.5°	176.4	184.8	190.3	194.6	197.5	200.5	201.3	206.0	207.7	204.7
70°	161.6	170.0	175.5	180.6	182.7	185.7	187.0	191.2	192.9	190.3
72.5°	146.8	155.2	161.2	166.2	168.3	171.3	173.0	176.4	178.9	176.8
75°	132.4	140.9	146.8	151.9	154.0	156.9	158.6	162.0	163.7	162.0
77.5°	118.4	126.9	132.4	137.5	140.0	142.5	144.2	147.6	149.7	148.0
80°	104.9	113.4	118.9	123.5	126.0	128.6	130.3	134.1	135.8	134.5
82.5°	92.2	100.2	106.2	110.8	113.4	115.9	117.6	121.0	123.1	121.4
85°	80.8	88.8	94.3	99.0	101.1	103.6	105.3	108.7	110.4	109.6
87.5°	69.8	77.0	83.3	88.0	90.1	92.6	94.7	97.3	99.4	98.1
90°	61.3	67.7	73.6	78.3	80.8	83.3	85.9	88.4	90.1	89.2
92.5°	61.8	67.7	73.2	77.4	79.9	82.5	85.0	88.0	89.2	88.4
95°	61.8	67.7	73.2	77.4	79.9	82.5	85.0	88.0	89.2	88.4
97.5°	61.8	67.7	73.2	77.4	79.9	82.5	85.0	88.0	89.2	88.0
100°	61.8	67.7	73.2	77.4	79.9	82.1	84.6	87.6	88.8	88.0
102.5°	61.8	67.7	72.8	77.0	79.5	81.6	84.2	87.1	88.4	87.6
105°	61.8	67.3	72.8	76.6	79.1	81.2	83.8	86.3	87.6	86.7
107.5°	61.3	66.8	71.9	76.1	78.3	80.4	82.9	85.4	86.7	85.9
110°	61.3	66.4	71.5	75.3	77.4	79.5	82.1	84.6	85.9	85.0



TEST NUMBER: P893296
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	60.9	66.0	71.1	74.4	76.6	78.7	80.8	83.8	85.0	84.2
115°	60.5	65.6	70.2	73.6	75.7	77.4	79.9	82.9	83.8	83.3
117.5°	60.1	64.7	69.4	72.8	74.9	76.6	78.7	81.2	82.5	82.1
120°	59.6	63.9	68.5	71.5	73.6	75.3	77.0	79.5	80.8	79.9
122.5°	58.8	63.0	67.7	70.6	72.3	74.0	75.7	77.8	79.1	78.7
125°	57.9	62.2	66.4	69.4	71.1	72.3	74.0	76.1	77.0	76.6
127.5°	57.1	61.3	65.1	67.7	69.8	71.1	72.3	74.4	75.3	74.9
130°	56.3	60.1	63.9	66.4	68.1	69.4	70.6	72.8	73.2	73.2
132.5°	55.4	58.8	62.6	65.1	66.8	67.7	68.9	70.6	71.5	71.1
135°	54.6	57.5	61.3	63.4	64.7	66.0	67.3	68.9	69.4	69.4
137.5°	53.3	56.3	59.6	61.8	63.0	63.9	65.1	66.8	67.3	67.3
140°	52.0	55.0	57.9	59.6	61.3	62.2	63.0	64.7	65.1	65.1
142.5°	50.8	53.3	56.3	57.9	59.6	60.1	61.3	62.6	63.0	63.0
145°	49.1	52.0	54.6	56.3	57.5	57.9	59.2	60.5	60.5	60.9
147.5°	47.0	49.5	52.9	54.1	55.4	55.8	57.1	57.9	58.4	58.4
150°	44.8	47.4	50.3	52.5	53.7	54.1	54.6	55.8	55.8	56.3
152.5°	42.7	44.8	47.8	49.9	51.6	52.0	52.5	53.3	53.3	53.7
155°	40.6	42.3	44.8	47.0	48.6	49.5	50.3	51.2	51.2	51.6
157.5°	38.9	40.6	42.7	44.4	45.7	47.0	48.2	49.1	49.1	49.1
160°	36.8	38.1	40.2	41.5	43.1	44.0	46.1	47.0	47.0	47.4
162.5°	35.5	36.0	37.2	38.5	39.8	40.6	42.7	44.8	44.8	45.3
165°	36.0	35.5	36.0	36.4	37.2	37.6	38.9	41.9	42.7	43.1
167.5°	36.8	35.5	35.5	35.5	36.4	36.4	37.6	39.3	42.3	41.5
170°	36.8	35.5	34.7	34.7	35.1	34.7	35.5	36.8	38.5	40.2
172.5°	37.2	36.0	34.7	33.0	33.4	33.0	32.1	32.1	32.6	38.1
175°	36.8	36.0	34.3	32.1	31.7	30.5	27.9	25.8	24.5	19.0
177.5°	36.4	35.1	33.8	32.1	31.3	30.0	27.1	23.7	20.3	19.5
180°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7



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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	11.83	13.15	12.44	13.78	14.50	14.38	15.70	14.99	16.33	17.05
	3H	13.23	14.43	13.86	15.07	15.83	16.81	18.01	17.43	18.65	19.41
	4H	13.66	14.80	14.31	15.45	16.22	17.95	19.08	18.59	19.74	20.51
	6H	13.90	14.96	14.56	15.62	16.41	19.08	20.14	19.74	20.81	21.59
	8H	13.94	14.95	14.61	15.64	16.43	19.64	20.65	20.31	21.34	22.13
	12H	13.95	14.92	14.63	15.60	16.42	20.23	21.19	20.90	21.87	22.69
4H	2H	12.72	13.85	13.37	14.51	15.28	14.73	15.86	15.38	16.52	17.29
	3H	14.34	15.31	15.00	16.00	16.79	17.36	18.32	18.02	19.02	19.81
	4H	14.90	15.78	15.58	16.48	17.30	18.65	19.53	19.33	20.23	21.05
	6H	15.23	16.01	15.93	16.73	17.56	19.96	20.74	20.66	21.46	22.29
	8H	15.31	16.04	16.01	16.76	17.60	20.62	21.35	21.32	22.07	22.91
	12H	15.34	16.00	16.07	16.75	17.59	21.32	21.98	22.04	22.72	23.57
8H	4H	15.54	16.28	16.25	16.99	17.84	18.80	19.53	19.50	20.25	21.09
	6H	16.05	16.67	16.78	17.43	18.27	20.26	20.87	20.99	21.63	22.48
	8H	16.20	16.76	16.95	17.52	18.38	21.04	21.59	21.78	22.35	23.21
	12H	16.29	16.79	17.04	17.54	18.46	21.90	22.39	22.65	23.14	24.06
12H	4H	15.71	16.37	16.43	17.11	17.96	18.79	19.46	19.52	20.20	21.04
	6H	16.31	16.86	17.05	17.62	18.48	20.27	20.83	21.02	21.59	22.45
	8H	16.54	17.03	17.29	17.79	18.70	21.11	21.60	21.85	22.35	23.27