

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: P894210

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894210
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-SC3-FLTU-UNV-CC83-LOW-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 3500K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

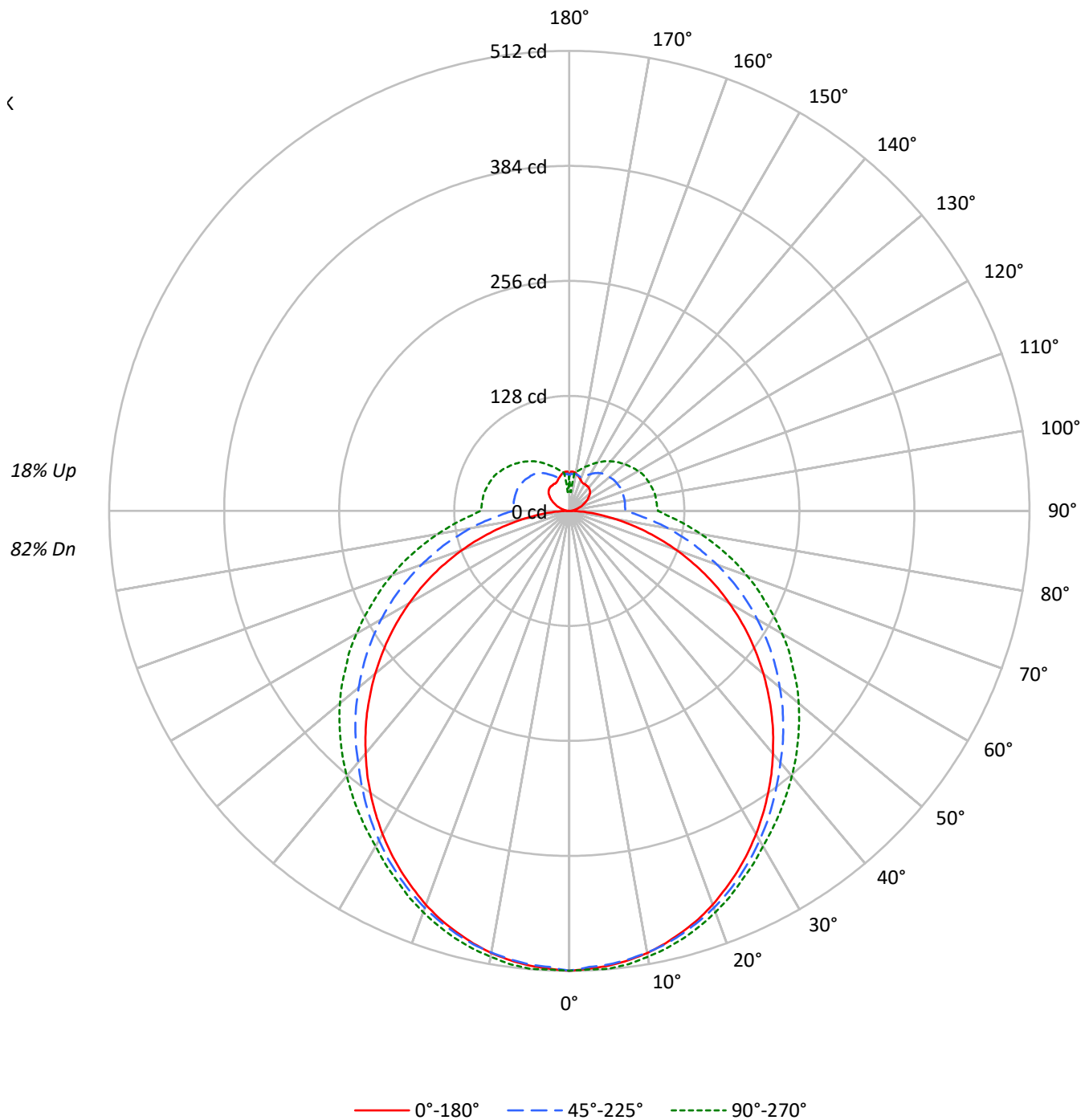
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1935.0 lumens
Efficiency: N/A
Efficacy: 115.9 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): 16.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
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	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°	3641	3641	3641
5°	3612	3489	3485
10°	3577	3355	3320
15°	3525	3222	3161
20°	3466	3084	3001
25°	3393	2941	2838
30°	3313	2794	2690
35°	3227	2647	2567
40°	3135	2503	2451
45°	3043	2378	2339
50°	2937	2247	2232
55°	2822	2119	2111
60°	2684	1982	1996
65°	2519	1838	1867
70°	2304	1679	1746
75°	2010	1517	1616
80°	1624	1343	1482
85°	1124	1168	1361

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3043 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	2.5
10°-20°	138.1	7.1
20°-30°	207.4	10.7
30°-40°	249.0	12.9
40°-50°	261.9	13.5
50°-60°	246.1	12.7
60°-70°	204.6	10.6
70°-80°	146.0	7.5
80°-90°	86.9	4.5
90°-100°	62.9	3.3
100°-110°	62.1	3.2
110°-120°	58.3	3.0
120°-130°	51.7	2.7
130°-140°	42.8	2.2
140°-150°	32.0	1.7
150°-160°	21.1	1.1
160°-170°	12.0	0.6
170°-180°	3.8	0.2
0°-30°	393.9	20.4
0°-40°	642.9	33.2
0°-60°	1150.8	59.5
0°-90°	1588.3	82.1
90°-120°	183.3	9.5
90°-150°	309.8	16.0
90°-180°	347.0	17.9
0°-180°	1935.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	512	512	512	512	512	
5°	508	514	507	508	511	48
15°	485	493	487	490	492	137
25°	443	451	449	453	454	204
35°	385	394	395	405	409	241
45°	318	327	337	354	360	245
55°	244	254	274	297	303	218
65°	166	180	208	235	241	165
75°	87	107	143	170	179	93
85°	22	48	84	112	121	24
90°	0	28	62	89	99	2
95°	2	29	62	88	98	3
105°	9	32	63	87	96	10
115°	17	35	62	84	92	17
125°	26	37	60	78	85	23
135°	32	39	57	72	77	25
145°	34	38	51	64	67	21
155°	35	39	44	54	57	16
165°	40	42	41	41	48	11
175°	44	44	41	35	21	4
180°	38	38	38	38	38	



TEST NUMBER: P894210
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
2.5°	510.0	511.4	511.8	516.5	514.6	516.5	513.2	509.5	508.6	510.9	508.1
5°	508.1	509.5	510.0	514.6	512.8	514.2	511.4	507.6	506.7	509.5	506.7
7.5°	504.4	505.8	506.2	511.4	509.0	510.9	507.6	503.9	503.4	506.2	503.4
10°	499.7	501.1	501.6	506.2	504.4	506.2	503.0	499.2	498.8	502.0	499.2
12.5°	493.1	494.5	495.5	500.2	497.8	500.2	496.4	492.7	493.1	495.9	494.1
15°	485.2	487.1	487.5	492.2	490.3	492.7	488.9	485.2	486.1	488.9	487.1
17.5°	476.8	478.7	479.1	483.3	481.5	484.3	480.1	476.8	477.7	480.5	479.1
20°	466.5	468.4	469.3	473.5	471.6	474.4	470.2	467.4	468.4	471.6	470.2
22.5°	454.8	457.6	458.1	462.8	460.4	463.2	459.0	456.7	458.1	461.4	460.0
25°	442.7	445.5	445.9	450.6	448.7	451.1	446.9	444.5	446.4	449.7	448.7
27.5°	429.6	432.4	433.3	437.5	435.6	438.5	433.8	432.4	434.2	437.5	436.6
30°	415.5	418.4	418.8	423.0	421.6	424.4	420.2	418.4	421.2	424.4	423.5
32.5°	400.6	403.4	404.8	408.5	407.1	409.5	405.7	404.8	407.1	410.4	409.9
35°	385.2	388.0	389.4	393.6	391.7	394.0	390.3	389.4	393.1	395.4	395.4
37.5°	369.3	372.1	373.5	377.7	375.3	378.2	374.4	373.9	378.2	380.5	380.5
40°	352.4	355.7	357.1	360.9	359.0	361.3	358.1	358.5	362.3	365.1	365.5
42.5°	335.6	338.9	340.3	344.5	342.2	344.5	341.7	342.2	346.4	349.2	351.5
45°	318.3	321.1	322.5	327.2	324.4	327.2	324.4	325.3	329.5	333.7	336.6
47.5°	300.1	302.9	305.2	309.0	306.6	309.0	307.1	308.5	313.6	317.9	321.6
50°	281.9	284.7	287.0	290.3	287.9	291.2	288.9	290.7	297.3	301.5	305.7
52.5°	263.2	265.5	269.2	271.1	269.2	273.0	271.1	273.9	280.5	285.6	290.3
55°	244.5	246.8	250.5	251.9	250.1	254.3	252.9	256.6	263.6	269.2	274.4
57.5°	225.3	227.6	230.9	232.3	230.9	235.6	235.1	239.3	246.3	252.4	258.0
60°	205.7	208.0	210.8	212.2	212.2	216.9	216.9	222.0	229.5	235.1	241.7
62.5°	186.5	187.9	190.7	192.6	194.0	198.7	198.7	204.3	212.2	218.8	225.3
65°	166.4	167.8	170.1	172.5	174.8	180.0	180.4	186.5	194.5	201.0	208.5
67.5°	146.3	147.7	150.0	152.9	156.1	161.3	162.2	168.7	177.2	184.6	191.6
70°	126.7	127.1	129.9	133.7	137.4	142.6	144.0	151.0	159.9	167.3	174.8
72.5°	107.0	107.5	110.3	115.0	119.2	124.8	126.7	134.2	143.0	150.5	158.0
75°	87.4	87.9	91.6	97.2	101.9	107.0	109.4	117.3	126.2	134.2	142.6
77.5°	68.7	69.6	73.4	79.0	84.6	90.7	93.0	101.0	110.8	118.3	126.2
80°	51.4	52.4	56.6	62.6	68.7	74.3	77.1	85.1	95.4	102.8	111.7
82.5°	35.5	36.9	42.1	48.6	54.7	60.8	63.6	71.0	80.4	88.8	97.2
85°	22.0	23.8	29.0	36.0	42.5	48.1	51.0	58.9	67.8	75.7	83.7
87.5°	10.3	13.1	18.2	25.2	32.3	36.9	40.2	48.1	56.6	64.5	72.5
90°	0.0	4.2	9.3	16.4	23.4	27.6	31.3	38.8	47.2	54.7	62.2
92.5°	0.9	4.7	10.3	16.8	23.8	28.0	31.8	39.3	47.2	54.7	62.2
95°	2.3	5.1	10.8	17.8	24.8	29.0	32.3	39.7	47.7	55.2	62.2
97.5°	4.2	6.5	12.2	18.7	25.7	29.4	33.2	40.7	48.1	55.6	62.6
100°	5.6	7.5	13.1	19.6	26.6	30.4	34.1	41.1	48.6	56.1	62.6
102.5°	7.0	9.3	14.5	20.6	27.6	31.3	34.6	41.6	49.1	56.1	62.6
105°	8.9	10.8	15.4	22.0	28.5	32.3	35.5	42.5	49.5	56.6	62.6
107.5°	10.8	12.2	16.8	22.9	29.4	32.7	36.0	43.0	50.0	56.6	62.6
110°	13.1	14.0	18.2	23.8	29.9	33.7	36.9	43.5	50.0	56.6	62.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.4	15.4	19.6	24.8	30.9	34.1	37.4	43.9	50.5	56.6	62.6
115°	17.3	17.8	21.0	25.7	31.8	35.1	37.9	43.9	50.5	56.6	62.2
117.5°	19.6	19.6	22.9	26.6	32.3	35.5	38.8	44.4	50.5	56.1	61.7
120°	22.0	21.5	24.3	28.0	33.2	36.0	39.3	44.9	50.5	56.1	61.2
122.5°	24.3	23.4	25.2	29.0	33.7	36.9	39.3	44.9	50.5	55.6	60.8
125°	26.2	25.2	26.6	30.4	34.6	37.4	39.7	44.9	50.5	55.2	60.3
127.5°	28.0	27.1	28.5	31.3	35.1	37.4	40.2	44.9	50.5	54.7	59.4
130°	29.9	28.5	30.4	32.3	36.0	37.9	40.2	44.9	50.0	54.2	58.4
132.5°	31.3	29.9	31.8	33.2	36.5	38.3	40.7	44.9	49.5	53.8	58.0
135°	32.3	30.9	33.2	34.1	37.4	39.3	41.1	44.9	49.1	53.3	57.0
137.5°	33.2	31.3	34.1	35.1	37.9	39.7	41.1	44.4	48.6	52.4	56.1
140°	33.7	32.3	35.1	36.0	37.4	39.3	41.1	43.9	47.7	51.4	54.7
142.5°	34.1	32.3	35.5	36.5	37.4	38.8	40.7	43.0	46.7	50.0	53.3
145°	34.1	32.7	35.5	36.5	37.4	38.3	39.7	42.5	45.3	48.1	51.4
147.5°	34.1	33.2	36.0	36.9	37.9	37.9	38.8	41.6	43.9	46.7	49.5
150°	34.6	33.2	36.0	36.9	38.3	38.3	38.8	40.2	43.0	44.9	47.2
152.5°	34.1	33.7	35.5	37.4	38.3	38.8	38.8	39.3	41.6	43.5	45.3
155°	34.6	34.6	36.0	38.3	38.8	38.8	39.3	38.8	39.7	41.6	43.5
157.5°	35.5	36.5	36.5	38.8	39.7	39.7	40.2	39.7	39.3	39.7	41.6
160°	36.9	37.9	37.9	39.3	40.7	40.7	41.1	40.7	40.2	39.7	39.7
162.5°	38.3	39.3	39.3	39.7	41.1	41.6	42.1	41.6	41.1	40.2	39.7
165°	39.7	40.7	40.7	40.7	41.6	42.1	42.5	42.1	42.1	41.1	40.7
167.5°	41.1	42.1	42.1	41.6	42.1	42.5	43.0	42.5	42.5	42.1	41.1
170°	42.5	43.5	43.5	42.5	43.0	43.0	43.5	43.0	43.0	42.1	41.6
172.5°	43.5	44.4	43.9	43.5	43.5	43.5	43.5	43.0	42.5	41.6	41.6
175°	43.9	44.9	44.9	43.9	43.5	43.5	43.9	43.0	42.5	42.1	41.1
177.5°	43.9	44.9	44.9	43.9	43.5	43.5	43.9	43.5	43.5	42.5	41.6
180°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
2.5°	510.0	509.5	506.7	510.0	510.0	509.0	512.8	512.3	511.8	510.9
5°	508.1	507.6	504.8	508.1	508.1	507.6	511.4	511.8	512.3	511.4
7.5°	505.3	504.8	502.0	505.3	505.3	504.8	509.0	509.5	510.0	508.6
10°	501.1	500.6	497.8	501.1	501.6	501.1	504.4	504.8	505.8	503.9
12.5°	495.5	495.5	492.7	495.9	496.4	495.9	499.2	500.2	501.1	498.8
15°	488.5	488.9	486.6	489.9	490.3	490.3	493.6	494.1	495.5	492.2
17.5°	480.1	481.0	479.1	482.4	482.9	483.3	485.2	486.6	488.0	484.3
20°	471.2	471.6	470.2	473.0	474.0	473.5	475.8	477.7	479.1	475.4
22.5°	460.4	460.9	459.5	462.3	463.2	463.7	465.6	467.9	468.8	465.6
25°	448.3	450.1	449.2	452.0	452.9	452.9	454.8	457.2	458.6	453.9
27.5°	436.6	438.9	438.0	440.8	441.7	442.2	443.1	445.9	447.3	443.1
30°	423.5	426.3	425.8	428.6	429.6	429.1	431.0	433.8	435.6	431.0
32.5°	409.0	412.7	412.3	416.0	417.0	417.4	418.8	422.6	424.4	420.2
35°	395.0	399.2	399.7	403.9	405.3	405.7	407.6	411.3	413.2	409.0
37.5°	380.5	386.1	387.5	391.7	393.1	393.6	395.4	399.7	401.5	397.3
40°	366.5	373.0	374.9	378.6	380.0	381.4	382.8	387.0	389.4	385.2
42.5°	352.4	359.5	361.8	365.5	366.9	368.3	370.2	374.9	376.8	373.0
45°	338.0	345.4	348.2	352.0	353.8	355.2	357.1	361.3	363.7	359.9
47.5°	323.5	330.9	333.7	338.0	339.8	341.7	343.1	348.2	350.6	346.8
50°	308.0	316.5	319.7	323.5	326.3	327.7	329.5	334.2	336.6	333.3
52.5°	292.6	301.5	305.2	309.0	311.8	314.1	315.1	320.2	322.5	319.3
55°	276.7	285.6	289.8	294.0	296.8	299.6	300.6	305.7	308.0	303.4
57.5°	260.8	270.2	274.4	279.1	281.4	284.7	286.1	290.7	293.1	289.8
60°	244.9	253.8	259.0	263.2	266.4	269.2	270.2	275.3	277.7	273.4
62.5°	228.6	237.9	243.1	247.7	250.5	253.8	255.2	259.9	261.8	257.6
65°	211.7	221.1	226.7	230.9	234.7	237.5	238.4	243.5	245.4	241.2
67.5°	194.9	204.3	210.3	215.0	218.3	221.6	222.5	227.6	229.5	226.2
70°	178.6	187.9	194.0	199.6	201.9	205.2	206.6	211.3	213.1	210.3
72.5°	162.2	171.5	178.1	183.7	186.0	189.3	191.2	194.9	197.7	195.4
75°	146.3	155.7	162.2	167.8	170.1	173.4	175.3	179.0	180.9	179.0
77.5°	130.9	140.2	146.3	151.9	154.7	157.5	159.4	163.1	165.5	163.6
80°	115.9	125.3	131.3	136.5	139.3	142.1	144.0	148.2	150.0	148.6
82.5°	101.9	110.8	117.3	122.5	125.3	128.1	129.9	133.7	136.0	134.2
85°	89.3	98.2	104.2	109.4	111.7	114.5	116.4	120.1	122.0	121.1
87.5°	77.1	85.1	92.1	97.2	99.6	102.4	104.7	107.5	109.8	108.4
90°	67.8	74.8	81.3	86.5	89.3	92.1	94.9	97.7	99.6	98.6
92.5°	68.2	74.8	80.9	85.5	88.3	91.1	94.0	97.2	98.6	97.7
95°	68.2	74.8	80.9	85.5	88.3	91.1	94.0	97.2	98.6	97.7
97.5°	68.2	74.8	80.9	85.5	88.3	91.1	94.0	97.2	98.6	97.2
100°	68.2	74.8	80.9	85.5	88.3	90.7	93.5	96.8	98.2	97.2
102.5°	68.2	74.8	80.4	85.1	87.9	90.2	93.0	96.3	97.7	96.8
105°	68.2	74.3	80.4	84.6	87.4	89.7	92.6	95.4	96.8	95.8
107.5°	67.8	73.9	79.5	84.1	86.5	88.8	91.6	94.4	95.8	94.9
110°	67.8	73.4	79.0	83.2	85.5	87.9	90.7	93.5	94.9	94.0



TEST NUMBER: P894210
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	67.3	72.9	78.5	82.3	84.6	86.9	89.3	92.6	94.0	93.0
115°	66.8	72.5	77.6	81.3	83.7	85.5	88.3	91.6	92.6	92.1
117.5°	66.4	71.5	76.7	80.4	82.7	84.6	86.9	89.7	91.1	90.7
120°	65.9	70.6	75.7	79.0	81.3	83.2	85.1	87.9	89.3	88.3
122.5°	65.0	69.6	74.8	78.1	79.9	81.8	83.7	86.0	87.4	86.9
125°	64.0	68.7	73.4	76.7	78.5	79.9	81.8	84.1	85.1	84.6
127.5°	63.1	67.8	72.0	74.8	77.1	78.5	79.9	82.3	83.2	82.7
130°	62.2	66.4	70.6	73.4	75.3	76.7	78.1	80.4	80.9	80.9
132.5°	61.2	65.0	69.2	72.0	73.9	74.8	76.2	78.1	79.0	78.5
135°	60.3	63.6	67.8	70.1	71.5	72.9	74.3	76.2	76.7	76.7
137.5°	58.9	62.2	65.9	68.2	69.6	70.6	72.0	73.9	74.3	74.3
140°	57.5	60.8	64.0	65.9	67.8	68.7	69.6	71.5	72.0	72.0
142.5°	56.1	58.9	62.2	64.0	65.9	66.4	67.8	69.2	69.6	69.6
145°	54.2	57.5	60.3	62.2	63.6	64.0	65.4	66.8	66.8	67.3
147.5°	51.9	54.7	58.4	59.8	61.2	61.7	63.1	64.0	64.5	64.5
150°	49.5	52.4	55.6	58.0	59.4	59.8	60.3	61.7	61.7	62.2
152.5°	47.2	49.5	52.8	55.2	57.0	57.5	58.0	58.9	58.9	59.4
155°	44.9	46.7	49.5	51.9	53.8	54.7	55.6	56.6	56.6	57.0
157.5°	43.0	44.9	47.2	49.1	50.5	51.9	53.3	54.2	54.2	54.2
160°	40.7	42.1	44.4	45.8	47.7	48.6	51.0	51.9	51.9	52.4
162.5°	39.3	39.7	41.1	42.5	43.9	44.9	47.2	49.5	49.5	50.0
165°	39.7	39.3	39.7	40.2	41.1	41.6	43.0	46.3	47.2	47.7
167.5°	40.7	39.3	39.3	39.3	40.2	40.2	41.6	43.5	46.7	45.8
170°	40.7	39.3	38.3	38.3	38.8	38.3	39.3	40.7	42.5	44.4
172.5°	41.1	39.7	38.3	36.5	36.9	36.5	35.5	35.5	36.0	42.1
175°	40.7	39.7	37.9	35.5	35.1	33.7	30.9	28.5	27.1	21.0
177.5°	40.2	38.8	37.4	35.5	34.6	33.2	29.9	26.2	22.4	21.5
180°	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3



TEST NUMBER: P894210
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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	12.17	13.49	12.79	14.13	14.85	14.72	16.04	15.34	16.68	17.40
	3H	13.58	14.78	14.21	15.42	16.18	17.15	18.35	17.78	19.00	19.75
	4H	14.01	15.14	14.65	15.80	16.57	18.29	19.43	18.94	20.09	20.86
	6H	14.24	15.30	14.91	15.97	16.75	19.43	20.49	20.09	21.15	21.94
	8H	14.29	15.30	14.96	15.99	16.77	19.99	21.00	20.66	21.69	22.48
	12H	14.30	15.27	14.98	15.95	16.76	20.57	21.54	21.25	22.22	23.04
4H	2H	13.06	14.20	13.71	14.85	15.62	15.07	16.21	15.72	16.87	17.64
	3H	14.69	15.65	15.35	16.35	17.13	17.71	18.67	18.37	19.36	20.15
	4H	15.24	16.13	15.92	16.82	17.64	19.00	19.88	19.68	20.58	21.40
	6H	15.58	16.36	16.28	17.08	17.91	20.31	21.08	21.00	21.81	22.63
	8H	15.66	16.39	16.36	17.11	17.95	20.96	21.70	21.67	22.41	23.25
	12H	15.69	16.35	16.41	17.09	17.94	21.66	22.33	22.39	23.07	23.92
8H	4H	15.89	16.62	16.59	17.34	18.18	19.15	19.88	19.85	20.60	21.44
	6H	16.40	17.01	17.13	17.77	18.62	20.60	21.22	21.34	21.98	22.82
	8H	16.55	17.11	17.30	17.87	18.73	21.38	21.94	22.13	22.70	23.56
	12H	16.64	17.14	17.39	17.89	18.80	22.24	22.74	22.99	23.49	24.41
12H	4H	16.05	16.72	16.78	17.46	18.31	19.14	19.80	19.86	20.54	21.39
	6H	16.65	17.21	17.40	17.97	18.83	20.62	21.18	21.37	21.94	22.80
	8H	16.89	17.38	17.64	18.13	19.05	21.45	21.95	22.20	22.70	23.62