

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: P894211

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-LOW-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894211
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-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 4000K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

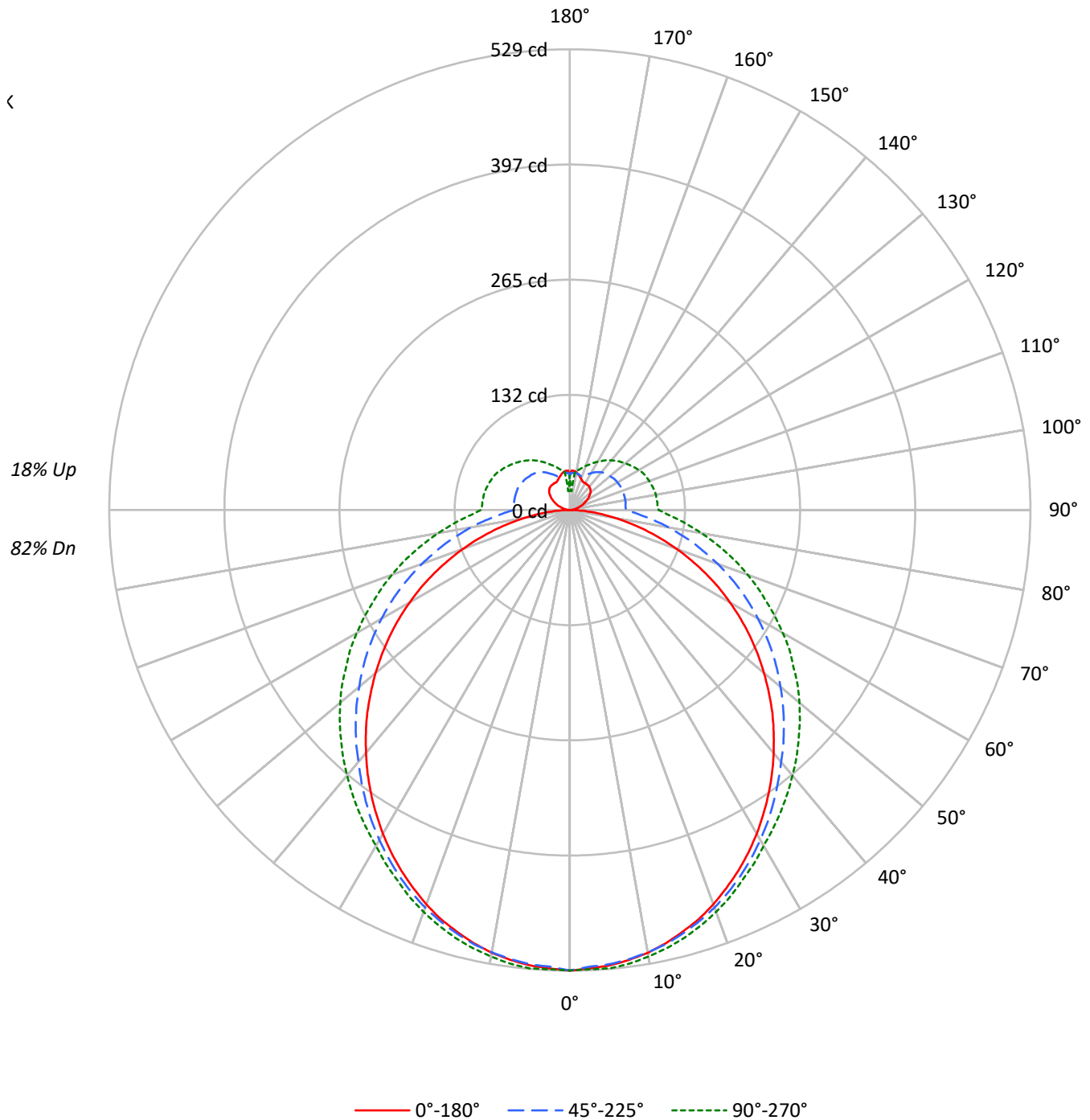
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 119.7 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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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-4000K

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	3762	3762	3762
5°	3732	3605	3601
10°	3695	3466	3430
15°	3641	3328	3266
20°	3581	3186	3100
25°	3504	3038	2932
30°	3424	2887	2779
35°	3334	2735	2652
40°	3239	2586	2532
45°	3145	2456	2417
50°	3034	2321	2306
55°	2915	2189	2181
60°	2772	2048	2063
65°	2602	1898	1929
70°	2381	1734	1804
75°	2077	1567	1669
80°	1678	1388	1532
85°	1159	1205	1406

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3145 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.0	2.5
10°-20°	142.6	7.1
20°-30°	214.3	10.7
30°-40°	257.3	12.9
40°-50°	270.5	13.5
50°-60°	254.2	12.7
60°-70°	211.4	10.6
70°-80°	150.8	7.5
80°-90°	89.8	4.5
90°-100°	65.0	3.3
100°-110°	64.1	3.2
110°-120°	60.2	3.0
120°-130°	53.4	2.7
130°-140°	44.2	2.2
140°-150°	33.1	1.7
150°-160°	21.8	1.1
160°-170°	12.3	0.6
170°-180°	3.9	0.2
0°-30°	406.9	20.4
0°-40°	664.2	33.2
0°-60°	1188.9	59.5
0°-90°	1640.9	82.1
90°-120°	189.3	9.5
90°-150°	320.1	16.0
90°-180°	358.0	17.9
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	529	529	529	529	529	
5°	525	531	524	525	528	50
15°	501	509	503	507	508	141
25°	457	466	464	468	469	211
35°	398	407	408	419	422	249
45°	329	338	348	366	372	253
55°	253	263	284	307	313	226
65°	172	186	215	242	249	170
75°	90	111	147	176	185	96
85°	23	50	86	115	125	25
90°	0	28	64	92	102	2
95°	2	30	64	91	101	3
105°	9	33	65	90	99	10
115°	18	36	64	86	95	18
125°	27	39	62	81	87	24
135°	33	41	59	74	79	26
145°	35	40	53	66	70	22
155°	36	40	45	56	59	17
165°	41	44	42	42	49	12
175°	45	45	42	36	22	4
180°	40	40	40	40	40	



TEST NUMBER: P894211
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	526.8	528.3	528.8	533.6	531.7	533.6	530.2	526.4	525.4	527.8	524.9
5°	524.9	526.4	526.8	531.7	529.7	531.2	528.3	524.4	523.5	526.4	523.5
7.5°	521.0	522.5	523.0	528.3	525.9	527.8	524.4	520.6	520.1	523.0	520.1
10°	516.2	517.7	518.1	523.0	521.0	523.0	519.6	515.7	515.2	518.6	515.7
12.5°	509.5	510.9	511.9	516.7	514.3	516.7	512.8	509.0	509.5	512.4	510.4
15°	501.2	503.2	503.7	508.5	506.6	509.0	505.1	501.2	502.2	505.1	503.2
17.5°	492.6	494.5	495.0	499.3	497.4	500.3	495.9	492.6	493.5	496.4	495.0
20°	481.9	483.9	484.8	489.2	487.2	490.1	485.8	482.9	483.9	487.2	485.8
22.5°	469.9	472.8	473.2	478.1	475.7	478.5	474.2	471.8	473.2	476.6	475.2
25°	457.3	460.2	460.7	465.5	463.6	466.0	461.6	459.2	461.2	464.5	463.6
27.5°	443.8	446.7	447.6	452.0	450.1	453.0	448.1	446.7	448.6	452.0	451.0
30°	429.3	432.2	432.7	437.0	435.6	438.5	434.1	432.2	435.1	438.5	437.5
32.5°	413.8	416.7	418.2	422.0	420.6	423.0	419.2	418.2	420.6	424.0	423.5
35°	397.9	400.8	402.3	406.6	404.7	407.1	403.2	402.3	406.1	408.5	408.5
37.5°	381.5	384.4	385.8	390.2	387.8	390.7	386.8	386.3	390.7	393.1	393.1
40°	364.1	367.5	368.9	372.8	370.9	373.3	369.9	370.4	374.2	377.1	377.6
42.5°	346.7	350.1	351.5	355.9	353.5	355.9	353.0	353.5	357.8	360.7	363.1
45°	328.9	331.7	333.2	338.0	335.1	338.0	335.1	336.1	340.4	344.8	347.7
47.5°	310.0	312.9	315.3	319.2	316.8	319.2	317.3	318.7	324.0	328.4	332.2
50°	291.2	294.1	296.5	299.9	297.5	300.8	298.4	300.4	307.1	311.5	315.8
52.5°	271.9	274.3	278.1	280.1	278.1	282.0	280.1	283.0	289.7	295.0	299.9
55°	252.6	255.0	258.8	260.3	258.3	262.7	261.2	265.1	272.4	278.1	283.5
57.5°	232.8	235.2	238.5	240.0	238.5	243.4	242.9	247.2	254.5	260.8	266.6
60°	212.5	214.9	217.8	219.2	219.2	224.1	224.1	229.4	237.1	242.9	249.7
62.5°	192.7	194.1	197.0	199.0	200.4	205.2	205.2	211.0	219.2	226.0	232.8
65°	171.9	173.4	175.8	178.2	180.6	185.9	186.4	192.7	200.9	207.6	215.4
67.5°	151.1	152.6	155.0	157.9	161.3	166.6	167.6	174.3	183.0	190.7	198.0
70°	130.9	131.3	134.2	138.1	142.0	147.3	148.7	156.0	165.1	172.9	180.6
72.5°	110.6	111.1	114.0	118.8	123.1	128.9	130.9	138.6	147.8	155.5	163.2
75°	90.3	90.8	94.6	100.4	105.3	110.6	113.0	121.2	130.4	138.6	147.3
77.5°	71.0	72.0	75.8	81.6	87.4	93.7	96.1	104.3	114.4	122.2	130.4
80°	53.1	54.1	58.4	64.7	71.0	76.8	79.7	87.9	98.5	106.2	115.4
82.5°	36.7	38.1	43.5	50.2	56.5	62.8	65.7	73.4	83.1	91.7	100.4
85°	22.7	24.6	29.9	37.2	43.9	49.7	52.6	60.8	70.0	78.2	86.4
87.5°	10.6	13.5	18.8	26.1	33.3	38.1	41.5	49.7	58.4	66.6	74.8
90°	0.0	4.3	9.7	16.9	24.1	28.5	32.4	40.1	48.8	56.5	64.2
92.5°	1.0	4.8	10.6	17.4	24.6	29.0	32.8	40.6	48.8	56.5	64.2
95°	2.4	5.3	11.1	18.3	25.6	29.9	33.3	41.0	49.3	57.0	64.2
97.5°	4.3	6.8	12.6	19.3	26.6	30.4	34.3	42.0	49.7	57.5	64.7
100°	5.8	7.7	13.5	20.3	27.5	31.4	35.3	42.5	50.2	57.9	64.7
102.5°	7.2	9.7	15.0	21.2	28.5	32.4	35.7	43.0	50.7	57.9	64.7
105°	9.2	11.1	15.9	22.7	29.5	33.3	36.7	43.9	51.2	58.4	64.7
107.5°	11.1	12.6	17.4	23.7	30.4	33.8	37.2	44.4	51.7	58.4	64.7
110°	13.5	14.5	18.8	24.6	30.9	34.8	38.1	44.9	51.7	58.4	64.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.9	15.9	20.3	25.6	31.9	35.3	38.6	45.4	52.2	58.4	64.7
115°	17.9	18.3	21.7	26.6	32.8	36.2	39.1	45.4	52.2	58.4	64.2
117.5°	20.3	20.3	23.7	27.5	33.3	36.7	40.1	45.9	52.2	57.9	63.7
120°	22.7	22.2	25.1	29.0	34.3	37.2	40.6	46.4	52.2	57.9	63.3
122.5°	25.1	24.1	26.1	29.9	34.8	38.1	40.6	46.4	52.2	57.5	62.8
125°	27.0	26.1	27.5	31.4	35.7	38.6	41.0	46.4	52.2	57.0	62.3
127.5°	29.0	28.0	29.5	32.4	36.2	38.6	41.5	46.4	52.2	56.5	61.3
130°	30.9	29.5	31.4	33.3	37.2	39.1	41.5	46.4	51.7	56.0	60.4
132.5°	32.4	30.9	32.8	34.3	37.7	39.6	42.0	46.4	51.2	55.5	59.9
135°	33.3	31.9	34.3	35.3	38.6	40.6	42.5	46.4	50.7	55.0	58.9
137.5°	34.3	32.4	35.3	36.2	39.1	41.0	42.5	45.9	50.2	54.1	57.9
140°	34.8	33.3	36.2	37.2	38.6	40.6	42.5	45.4	49.3	53.1	56.5
142.5°	35.3	33.3	36.7	37.7	38.6	40.1	42.0	44.4	48.3	51.7	55.0
145°	35.3	33.8	36.7	37.7	38.6	39.6	41.0	43.9	46.8	49.7	53.1
147.5°	35.3	34.3	37.2	38.1	39.1	39.1	40.1	43.0	45.4	48.3	51.2
150°	35.7	34.3	37.2	38.1	39.6	39.6	40.1	41.5	44.4	46.4	48.8
152.5°	35.3	34.8	36.7	38.6	39.6	40.1	40.1	40.6	43.0	44.9	46.8
155°	35.7	35.7	37.2	39.6	40.1	40.1	40.6	40.1	41.0	43.0	44.9
157.5°	36.7	37.7	37.7	40.1	41.0	41.0	41.5	41.0	40.6	41.0	43.0
160°	38.1	39.1	39.1	40.6	42.0	42.0	42.5	42.0	41.5	41.0	41.0
162.5°	39.6	40.6	40.6	41.0	42.5	43.0	43.5	43.0	42.5	41.5	41.0
165°	41.0	42.0	42.0	42.0	43.0	43.5	43.9	43.5	43.5	42.5	42.0
167.5°	42.5	43.5	43.5	43.0	43.5	43.9	44.4	43.9	43.9	43.5	42.5
170°	43.9	44.9	44.9	43.9	44.4	44.4	44.9	44.4	44.4	43.5	43.0
172.5°	44.9	45.9	45.4	44.9	44.9	44.9	44.9	44.4	43.9	43.0	43.0
175°	45.4	46.4	46.4	45.4	44.9	44.9	45.4	44.4	43.9	43.5	42.5
177.5°	45.4	46.4	46.4	45.4	45.4	44.9	45.4	44.9	44.9	43.9	43.0
180°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8	528.8
2.5°	526.8	526.4	523.5	526.8	526.8	525.9	529.7	529.3	528.8	527.8
5°	524.9	524.4	521.5	524.9	524.9	524.4	528.3	528.8	529.3	528.3
7.5°	522.0	521.5	518.6	522.0	522.0	521.5	525.9	526.4	526.8	525.4
10°	517.7	517.2	514.3	517.7	518.1	517.7	521.0	521.5	522.5	520.6
12.5°	511.9	511.9	509.0	512.4	512.8	512.4	515.7	516.7	517.7	515.2
15°	504.6	505.1	502.7	506.1	506.6	506.6	509.9	510.4	511.9	508.5
17.5°	495.9	496.9	495.0	498.3	498.8	499.3	501.2	502.7	504.1	500.3
20°	486.8	487.2	485.8	488.7	489.7	489.2	491.6	493.5	495.0	491.1
22.5°	475.7	476.1	474.7	477.6	478.5	479.0	481.0	483.4	484.3	481.0
25°	463.1	465.0	464.1	467.0	467.9	467.9	469.9	472.3	473.7	468.9
27.5°	451.0	453.4	452.5	455.4	456.3	456.8	457.8	460.7	462.1	457.8
30°	437.5	440.4	439.9	442.8	443.8	443.3	445.2	448.1	450.1	445.2
32.5°	422.5	426.4	425.9	429.8	430.7	431.2	432.7	436.5	438.5	434.1
35°	408.0	412.4	412.9	417.2	418.7	419.2	421.1	424.9	426.9	422.5
37.5°	393.1	398.9	400.3	404.7	406.1	406.6	408.5	412.9	414.8	410.5
40°	378.6	385.3	387.3	391.1	392.6	394.0	395.5	399.8	402.3	397.9
42.5°	364.1	371.3	373.8	377.6	379.1	380.5	382.5	387.3	389.2	385.3
45°	349.1	356.9	359.8	363.6	365.6	367.0	368.9	373.3	375.7	371.8
47.5°	334.2	341.9	344.8	349.1	351.1	353.0	354.4	359.8	362.2	358.3
50°	318.2	326.9	330.3	334.2	337.1	338.5	340.4	345.3	347.7	344.3
52.5°	302.3	311.5	315.3	319.2	322.1	324.5	325.5	330.8	333.2	329.8
55°	285.9	295.0	299.4	303.7	306.6	309.5	310.5	315.8	318.2	313.4
57.5°	269.5	279.1	283.5	288.3	290.7	294.1	295.5	300.4	302.8	299.4
60°	253.0	262.2	267.5	271.9	275.2	278.1	279.1	284.4	286.8	282.5
62.5°	236.1	245.8	251.1	255.9	258.8	262.2	263.7	268.5	270.4	266.1
65°	218.8	228.4	234.2	238.5	242.4	245.3	246.3	251.6	253.5	249.2
67.5°	201.4	211.0	217.3	222.1	225.5	228.9	229.9	235.2	237.1	233.7
70°	184.5	194.1	200.4	206.2	208.6	212.0	213.4	218.3	220.2	217.3
72.5°	167.6	177.2	184.0	189.8	192.2	195.6	197.5	201.4	204.3	201.8
75°	151.1	160.8	167.6	173.4	175.8	179.2	181.1	184.9	186.9	184.9
77.5°	135.2	144.9	151.1	156.9	159.8	162.7	164.7	168.5	170.9	169.0
80°	119.8	129.4	135.7	141.0	143.9	146.8	148.7	153.1	155.0	153.6
82.5°	105.3	114.4	121.2	126.5	129.4	132.3	134.2	138.1	140.5	138.6
85°	92.2	101.4	107.7	113.0	115.4	118.3	120.2	124.1	126.0	125.1
87.5°	79.7	87.9	95.1	100.4	102.9	105.8	108.2	111.1	113.5	112.0
90°	70.0	77.3	84.0	89.3	92.2	95.1	98.0	100.9	102.9	101.9
92.5°	70.5	77.3	83.5	88.4	91.3	94.2	97.1	100.4	101.9	100.9
95°	70.5	77.3	83.5	88.4	91.3	94.2	97.1	100.4	101.9	100.9
97.5°	70.5	77.3	83.5	88.4	91.3	94.2	97.1	100.4	101.9	100.4
100°	70.5	77.3	83.5	88.4	91.3	93.7	96.6	100.0	101.4	100.4
102.5°	70.5	77.3	83.1	87.9	90.8	93.2	96.1	99.5	100.9	100.0
105°	70.5	76.8	83.1	87.4	90.3	92.7	95.6	98.5	100.0	99.0
107.5°	70.0	76.3	82.1	86.9	89.3	91.7	94.6	97.5	99.0	98.0
110°	70.0	75.8	81.6	86.0	88.4	90.8	93.7	96.6	98.0	97.1



TEST NUMBER: P894211

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.5	75.3	81.1	85.0	87.4	89.8	92.2	95.6	97.1	96.1
115°	69.1	74.8	80.2	84.0	86.4	88.4	91.3	94.6	95.6	95.1
117.5°	68.6	73.9	79.2	83.1	85.5	87.4	89.8	92.7	94.2	93.7
120°	68.1	72.9	78.2	81.6	84.0	86.0	87.9	90.8	92.2	91.3
122.5°	67.1	72.0	77.3	80.6	82.6	84.5	86.4	88.9	90.3	89.8
125°	66.2	71.0	75.8	79.2	81.1	82.6	84.5	86.9	87.9	87.4
127.5°	65.2	70.0	74.4	77.3	79.7	81.1	82.6	85.0	86.0	85.5
130°	64.2	68.6	72.9	75.8	77.7	79.2	80.6	83.1	83.5	83.5
132.5°	63.3	67.1	71.5	74.4	76.3	77.3	78.7	80.6	81.6	81.1
135°	62.3	65.7	70.0	72.4	73.9	75.3	76.8	78.7	79.2	79.2
137.5°	60.8	64.2	68.1	70.5	72.0	72.9	74.4	76.3	76.8	76.8
140°	59.4	62.8	66.2	68.1	70.0	71.0	72.0	73.9	74.4	74.4
142.5°	57.9	60.8	64.2	66.2	68.1	68.6	70.0	71.5	72.0	72.0
145°	56.0	59.4	62.3	64.2	65.7	66.2	67.6	69.1	69.1	69.5
147.5°	53.6	56.5	60.4	61.8	63.3	63.7	65.2	66.2	66.6	66.6
150°	51.2	54.1	57.5	59.9	61.3	61.8	62.3	63.7	63.7	64.2
152.5°	48.8	51.2	54.6	57.0	58.9	59.4	59.9	60.8	60.8	61.3
155°	46.4	48.3	51.2	53.6	55.5	56.5	57.5	58.4	58.4	58.9
157.5°	44.4	46.4	48.8	50.7	52.2	53.6	55.0	56.0	56.0	56.0
160°	42.0	43.5	45.9	47.3	49.3	50.2	52.6	53.6	53.6	54.1
162.5°	40.6	41.0	42.5	43.9	45.4	46.4	48.8	51.2	51.2	51.7
165°	41.0	40.6	41.0	41.5	42.5	43.0	44.4	47.8	48.8	49.3
167.5°	42.0	40.6	40.6	40.6	41.5	41.5	43.0	44.9	48.3	47.3
170°	42.0	40.6	39.6	39.6	40.1	39.6	40.6	42.0	43.9	45.9
172.5°	42.5	41.0	39.6	37.7	38.1	37.7	36.7	36.7	37.2	43.5
175°	42.0	41.0	39.1	36.7	36.2	34.8	31.9	29.5	28.0	21.7
177.5°	41.5	40.1	38.6	36.7	35.7	34.3	30.9	27.0	23.2	22.2
180°	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6



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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	12.29	13.60	12.90	14.24	14.96	14.84	16.16	15.45	16.79	17.51
	3H	13.69	14.89	14.32	15.53	16.29	17.27	18.47	17.90	19.11	19.87
	4H	14.12	15.26	14.77	15.91	16.68	18.41	19.54	19.05	20.20	20.97
	6H	14.36	15.41	15.02	16.08	16.86	19.54	20.60	20.21	21.27	22.05
	8H	14.40	15.41	15.07	16.10	16.89	20.10	21.11	20.77	21.80	22.59
	12H	14.41	15.38	15.09	16.06	16.88	20.69	21.65	21.36	22.33	23.15
4H	2H	13.18	14.31	13.83	14.97	15.74	15.19	16.32	15.84	16.98	17.75
	3H	14.80	15.77	15.46	16.46	17.25	17.82	18.79	18.48	19.48	20.27
	4H	15.35	16.24	16.03	16.94	17.76	19.11	19.99	19.79	20.69	21.51
	6H	15.69	16.47	16.39	17.19	18.02	20.42	21.20	21.12	21.92	22.75
	8H	15.77	16.50	16.47	17.22	18.06	21.08	21.81	21.78	22.53	23.37
	12H	15.80	16.46	16.53	17.21	18.05	21.78	22.44	22.50	23.18	24.03
8H	4H	16.00	16.74	16.71	17.45	18.30	19.26	19.99	19.96	20.71	21.55
	6H	16.51	17.13	17.24	17.89	18.73	20.72	21.33	21.45	22.09	22.94
	8H	16.66	17.22	17.41	17.98	18.84	21.50	22.05	22.24	22.81	23.67
	12H	16.75	17.25	17.50	18.00	18.92	22.36	22.85	23.10	23.60	24.52
12H	4H	16.17	16.83	16.89	17.57	18.42	19.25	19.92	19.98	20.66	21.50
	6H	16.77	17.32	17.51	18.08	18.94	20.73	21.29	21.48	22.05	22.91
	8H	17.00	17.49	17.75	18.25	19.16	21.57	22.06	22.31	22.81	23.73