

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: P894219

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC93-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894219
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-CC93-LOW-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 3500K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

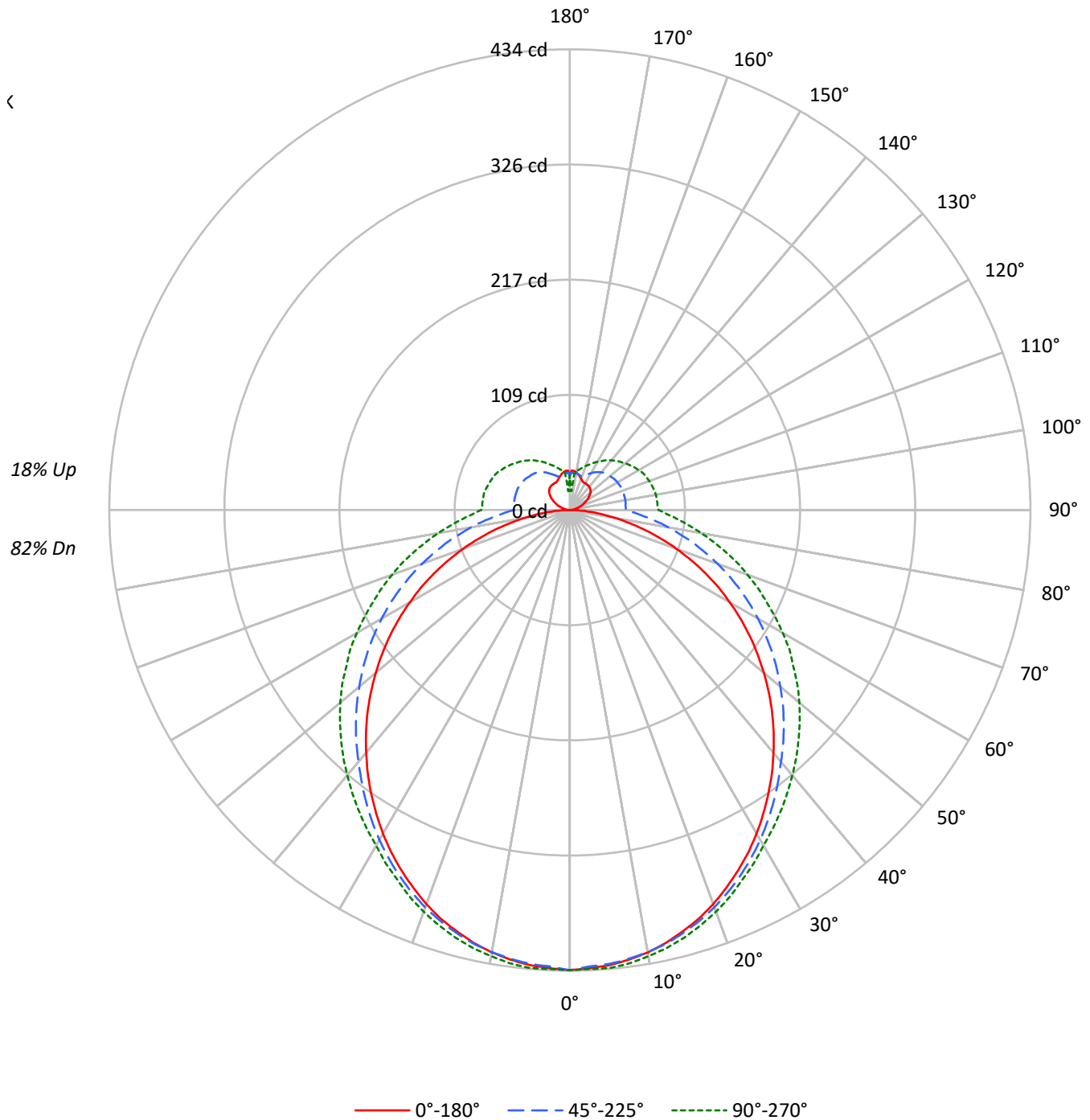
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1639.0 lumens
Efficiency: N/A
Efficacy: 98.1 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°	3084	3084	3084
5°	3060	2956	2952
10°	3030	2843	2812
15°	2986	2729	2678
20°	2936	2612	2542
25°	2873	2491	2404
30°	2807	2367	2278
35°	2733	2243	2174
40°	2656	2120	2075
45°	2578	2014	1982
50°	2487	1903	1890
55°	2390	1795	1788
60°	2273	1679	1691
65°	2134	1556	1581
70°	1951	1422	1480
75°	1702	1285	1369
80°	1377	1138	1256
85°	950	989	1152

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2578 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	2.5
10°-20°	116.9	7.1
20°-30°	175.7	10.7
30°-40°	211.0	12.9
40°-50°	221.8	13.5
50°-60°	208.4	12.7
60°-70°	173.3	10.6
70°-80°	123.7	7.5
80°-90°	73.6	4.5
90°-100°	53.3	3.3
100°-110°	52.6	3.2
110°-120°	49.4	3.0
120°-130°	43.8	2.7
130°-140°	36.3	2.2
140°-150°	27.1	1.7
150°-160°	17.9	1.1
160°-170°	10.1	0.6
170°-180°	3.2	0.2
0°-30°	333.6	20.4
0°-40°	544.6	33.2
0°-60°	974.8	59.5
0°-90°	1345.4	82.1
90°-120°	155.3	9.5
90°-150°	262.4	16.0
90°-180°	294.0	17.9
0°-180°	1639.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	434	434	434	434	434	
5°	430	436	429	430	433	41
15°	411	417	413	415	417	116
25°	375	382	380	384	384	173
35°	326	334	335	343	346	204
45°	270	277	285	300	305	208
55°	207	215	232	251	257	185
65°	141	152	177	199	204	139
75°	74	91	121	144	152	79
85°	19	41	71	95	102	20
90°	0	23	53	76	84	1
95°	2	24	53	75	83	2
105°	8	27	53	74	81	8
115°	15	30	53	71	78	15
125°	22	32	51	66	72	20
135°	27	33	48	61	65	21
145°	29	32	44	54	57	18
155°	29	33	37	46	48	14
165°	34	36	34	35	40	9
175°	37	37	35	30	18	3
180°	32	32	32	32	32	



TEST NUMBER: P894219
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5
2.5°	432.0	433.1	433.5	437.5	435.9	437.5	434.7	431.6	430.8	432.8	430.4
5°	430.4	431.6	432.0	435.9	434.3	435.5	433.1	430.0	429.2	431.6	429.2
7.5°	427.2	428.4	428.8	433.1	431.2	432.8	430.0	426.8	426.4	428.8	426.4
10°	423.2	424.4	424.8	428.8	427.2	428.8	426.0	422.9	422.5	425.2	422.9
12.5°	417.7	418.9	419.7	423.6	421.7	423.6	420.5	417.3	417.7	420.1	418.5
15°	411.0	412.6	413.0	416.9	415.3	417.3	414.1	411.0	411.8	414.1	412.6
17.5°	403.8	405.4	405.8	409.4	407.8	410.2	406.6	403.8	404.6	407.0	405.8
20°	395.1	396.7	397.5	401.1	399.5	401.9	398.3	395.9	396.7	399.5	398.3
22.5°	385.2	387.6	388.0	392.0	390.0	392.4	388.8	386.8	388.0	390.8	389.6
25°	374.9	377.3	377.7	381.7	380.1	382.1	378.5	376.5	378.1	380.9	380.1
27.5°	363.9	366.2	367.0	370.6	369.0	371.4	367.4	366.2	367.8	370.6	369.8
30°	352.0	354.4	354.8	358.3	357.1	359.5	355.9	354.4	356.7	359.5	358.7
32.5°	339.3	341.7	342.9	346.0	344.9	346.8	343.7	342.9	344.9	347.6	347.2
35°	326.2	328.6	329.8	333.4	331.8	333.8	330.6	329.8	333.0	335.0	335.0
37.5°	312.8	315.2	316.3	319.9	317.9	320.3	317.1	316.7	320.3	322.3	322.3
40°	298.5	301.3	302.5	305.7	304.1	306.1	303.3	303.7	306.8	309.2	309.6
42.5°	284.3	287.0	288.2	291.8	289.8	291.8	289.4	289.8	293.4	295.8	297.7
45°	269.6	272.0	273.2	277.2	274.8	277.2	274.8	275.6	279.1	282.7	285.1
47.5°	254.2	256.6	258.5	261.7	259.7	261.7	260.1	261.3	265.7	269.2	272.4
50°	238.7	241.1	243.1	245.9	243.9	246.7	244.7	246.3	251.8	255.4	258.9
52.5°	222.9	224.9	228.1	229.6	228.1	231.2	229.6	232.0	237.6	241.9	245.9
55°	207.1	209.1	212.2	213.4	211.8	215.4	214.2	217.4	223.3	228.1	232.4
57.5°	190.8	192.8	195.6	196.8	195.6	199.5	199.2	202.7	208.7	213.8	218.6
60°	174.2	176.2	178.6	179.8	179.8	183.7	183.7	188.1	194.4	199.2	204.7
62.5°	158.0	159.2	161.5	163.1	164.3	168.3	168.3	173.0	179.8	185.3	190.8
65°	141.0	142.1	144.1	146.1	148.1	152.4	152.8	158.0	164.7	170.2	176.6
67.5°	123.9	125.1	127.1	129.5	132.2	136.6	137.4	142.9	150.1	156.4	162.3
70°	107.3	107.7	110.1	113.2	116.4	120.8	121.9	127.9	135.4	141.7	148.1
72.5°	90.7	91.1	93.4	97.4	101.0	105.7	107.3	113.6	121.2	127.5	133.8
75°	74.0	74.4	77.6	82.4	86.3	90.7	92.6	99.4	106.9	113.6	120.8
77.5°	58.2	59.0	62.2	66.9	71.7	76.8	78.8	85.5	93.8	100.2	106.9
80°	43.6	44.3	47.9	53.1	58.2	63.0	65.3	72.1	80.8	87.1	94.6
82.5°	30.1	31.3	35.6	41.2	46.3	51.5	53.8	60.2	68.1	75.2	82.4
85°	18.6	20.2	24.5	30.5	36.0	40.8	43.2	49.9	57.4	64.1	70.9
87.5°	8.7	11.1	15.4	21.4	27.3	31.3	34.0	40.8	47.9	54.6	61.4
90°	0.0	3.6	7.9	13.9	19.8	23.4	26.5	32.9	40.0	46.3	52.7
92.5°	0.8	4.0	8.7	14.3	20.2	23.8	26.9	33.3	40.0	46.3	52.7
95°	2.0	4.4	9.1	15.0	21.0	24.5	27.3	33.7	40.4	46.7	52.7
97.5°	3.6	5.5	10.3	15.8	21.8	24.9	28.1	34.4	40.8	47.1	53.1
100°	4.8	6.3	11.1	16.6	22.6	25.7	28.9	34.8	41.2	47.5	53.1
102.5°	5.9	7.9	12.3	17.4	23.4	26.5	29.3	35.2	41.6	47.5	53.1
105°	7.5	9.1	13.1	18.6	24.2	27.3	30.1	36.0	42.0	47.9	53.1
107.5°	9.1	10.3	14.3	19.4	24.9	27.7	30.5	36.4	42.4	47.9	53.1
110°	11.1	11.9	15.4	20.2	25.3	28.5	31.3	36.8	42.4	47.9	53.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	13.1	13.1	16.6	21.0	26.1	28.9	31.7	37.2	42.8	47.9	53.1
115°	14.6	15.0	17.8	21.8	26.9	29.7	32.1	37.2	42.8	47.9	52.7
117.5°	16.6	16.6	19.4	22.6	27.3	30.1	32.9	37.6	42.8	47.5	52.3
120°	18.6	18.2	20.6	23.8	28.1	30.5	33.3	38.0	42.8	47.5	51.9
122.5°	20.6	19.8	21.4	24.5	28.5	31.3	33.3	38.0	42.8	47.1	51.5
125°	22.2	21.4	22.6	25.7	29.3	31.7	33.7	38.0	42.8	46.7	51.1
127.5°	23.8	23.0	24.2	26.5	29.7	31.7	34.0	38.0	42.8	46.3	50.3
130°	25.3	24.2	25.7	27.3	30.5	32.1	34.0	38.0	42.4	45.9	49.5
132.5°	26.5	25.3	26.9	28.1	30.9	32.5	34.4	38.0	42.0	45.5	49.1
135°	27.3	26.1	28.1	28.9	31.7	33.3	34.8	38.0	41.6	45.1	48.3
137.5°	28.1	26.5	28.9	29.7	32.1	33.7	34.8	37.6	41.2	44.3	47.5
140°	28.5	27.3	29.7	30.5	31.7	33.3	34.8	37.2	40.4	43.6	46.3
142.5°	28.9	27.3	30.1	30.9	31.7	32.9	34.4	36.4	39.6	42.4	45.1
145°	28.9	27.7	30.1	30.9	31.7	32.5	33.7	36.0	38.4	40.8	43.6
147.5°	28.9	28.1	30.5	31.3	32.1	32.1	32.9	35.2	37.2	39.6	42.0
150°	29.3	28.1	30.5	31.3	32.5	32.5	32.9	34.0	36.4	38.0	40.0
152.5°	28.9	28.5	30.1	31.7	32.5	32.9	32.9	33.3	35.2	36.8	38.4
155°	29.3	29.3	30.5	32.5	32.9	32.9	33.3	32.9	33.7	35.2	36.8
157.5°	30.1	30.9	30.9	32.9	33.7	33.7	34.0	33.7	33.3	33.7	35.2
160°	31.3	32.1	32.1	33.3	34.4	34.4	34.8	34.4	34.0	33.7	33.7
162.5°	32.5	33.3	33.3	33.7	34.8	35.2	35.6	35.2	34.8	34.0	33.7
165°	33.7	34.4	34.4	34.4	35.2	35.6	36.0	35.6	35.6	34.8	34.4
167.5°	34.8	35.6	35.6	35.2	35.6	36.0	36.4	36.0	36.0	35.6	34.8
170°	36.0	36.8	36.8	36.0	36.4	36.4	36.8	36.4	36.4	35.6	35.2
172.5°	36.8	37.6	37.2	36.8	36.8	36.8	36.8	36.4	36.0	35.2	35.2
175°	37.2	38.0	38.0	37.2	36.8	36.8	37.2	36.4	36.0	35.6	34.8
177.5°	37.2	38.0	38.0	37.2	37.2	36.8	37.2	36.8	36.8	36.0	35.2
180°	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5	433.5
2.5°	432.0	431.6	429.2	432.0	432.0	431.2	434.3	433.9	433.5	432.8
5°	430.4	430.0	427.6	430.4	430.4	430.0	433.1	433.5	433.9	433.1
7.5°	428.0	427.6	425.2	428.0	428.0	427.6	431.2	431.6	432.0	430.8
10°	424.4	424.0	421.7	424.4	424.8	424.4	427.2	427.6	428.4	426.8
12.5°	419.7	419.7	417.3	420.1	420.5	420.1	422.9	423.6	424.4	422.5
15°	413.7	414.1	412.2	414.9	415.3	415.3	418.1	418.5	419.7	416.9
17.5°	406.6	407.4	405.8	408.6	409.0	409.4	411.0	412.2	413.4	410.2
20°	399.1	399.5	398.3	400.7	401.5	401.1	403.1	404.6	405.8	402.7
22.5°	390.0	390.4	389.2	391.6	392.4	392.8	394.3	396.3	397.1	394.3
25°	379.7	381.3	380.5	382.9	383.7	383.7	385.2	387.2	388.4	384.4
27.5°	369.8	371.8	371.0	373.4	374.2	374.5	375.3	377.7	378.9	375.3
30°	358.7	361.1	360.7	363.1	363.9	363.5	365.0	367.4	369.0	365.0
32.5°	346.4	349.6	349.2	352.4	353.2	353.6	354.8	357.9	359.5	355.9
35°	334.6	338.1	338.5	342.1	343.3	343.7	345.3	348.4	350.0	346.4
37.5°	322.3	327.0	328.2	331.8	333.0	333.4	335.0	338.5	340.1	336.5
40°	310.4	316.0	317.5	320.7	321.9	323.1	324.3	327.8	329.8	326.2
42.5°	298.5	304.5	306.4	309.6	310.8	312.0	313.6	317.5	319.1	316.0
45°	286.3	292.6	295.0	298.1	299.7	300.9	302.5	306.1	308.0	304.9
47.5°	274.0	280.3	282.7	286.3	287.8	289.4	290.6	295.0	296.9	293.8
50°	260.9	268.0	270.8	274.0	276.4	277.5	279.1	283.1	285.1	282.3
52.5°	247.9	255.4	258.5	261.7	264.1	266.1	266.9	271.2	273.2	270.4
55°	234.4	241.9	245.5	249.0	251.4	253.8	254.6	258.9	260.9	257.0
57.5°	220.9	228.8	232.4	236.4	238.3	241.1	242.3	246.3	248.2	245.5
60°	207.5	215.0	219.3	222.9	225.7	228.1	228.8	233.2	235.2	231.6
62.5°	193.6	201.5	205.9	209.8	212.2	215.0	216.2	220.1	221.7	218.2
65°	179.4	187.3	192.0	195.6	198.8	201.1	201.9	206.3	207.9	204.3
67.5°	165.1	173.0	178.2	182.1	184.9	187.7	188.5	192.8	194.4	191.6
70°	151.2	159.2	164.3	169.1	171.0	173.8	175.0	179.0	180.5	178.2
72.5°	137.4	145.3	150.8	155.6	157.6	160.4	161.9	165.1	167.5	165.5
75°	123.9	131.8	137.4	142.1	144.1	146.9	148.5	151.6	153.2	151.6
77.5°	110.9	118.8	123.9	128.7	131.1	133.4	135.0	138.2	140.2	138.6
80°	98.2	106.1	111.3	115.6	118.0	120.4	121.9	125.5	127.1	125.9
82.5°	86.3	93.8	99.4	103.7	106.1	108.5	110.1	113.2	115.2	113.6
85°	75.6	83.1	88.3	92.6	94.6	97.0	98.6	101.8	103.3	102.5
87.5°	65.3	72.1	78.0	82.4	84.3	86.7	88.7	91.1	93.0	91.9
90°	57.4	63.3	68.9	73.2	75.6	78.0	80.4	82.7	84.3	83.5
92.5°	57.8	63.3	68.5	72.5	74.8	77.2	79.6	82.4	83.5	82.7
95°	57.8	63.3	68.5	72.5	74.8	77.2	79.6	82.4	83.5	82.7
97.5°	57.8	63.3	68.5	72.5	74.8	77.2	79.6	82.4	83.5	82.4
100°	57.8	63.3	68.5	72.5	74.8	76.8	79.2	82.0	83.1	82.4
102.5°	57.8	63.3	68.1	72.1	74.4	76.4	78.8	81.6	82.7	82.0
105°	57.8	63.0	68.1	71.7	74.0	76.0	78.4	80.8	82.0	81.2
107.5°	57.4	62.6	67.3	71.3	73.2	75.2	77.6	80.0	81.2	80.4
110°	57.4	62.2	66.9	70.5	72.5	74.4	76.8	79.2	80.4	79.6



TEST NUMBER: P894219
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	57.0	61.8	66.5	69.7	71.7	73.6	75.6	78.4	79.6	78.8
115°	56.6	61.4	65.7	68.9	70.9	72.5	74.8	77.6	78.4	78.0
117.5°	56.2	60.6	64.9	68.1	70.1	71.7	73.6	76.0	77.2	76.8
120°	55.8	59.8	64.1	66.9	68.9	70.5	72.1	74.4	75.6	74.8
122.5°	55.0	59.0	63.3	66.1	67.7	69.3	70.9	72.9	74.0	73.6
125°	54.2	58.2	62.2	64.9	66.5	67.7	69.3	71.3	72.1	71.7
127.5°	53.5	57.4	61.0	63.3	65.3	66.5	67.7	69.7	70.5	70.1
130°	52.7	56.2	59.8	62.2	63.7	64.9	66.1	68.1	68.5	68.5
132.5°	51.9	55.0	58.6	61.0	62.6	63.3	64.5	66.1	66.9	66.5
135°	51.1	53.8	57.4	59.4	60.6	61.8	63.0	64.5	64.9	64.9
137.5°	49.9	52.7	55.8	57.8	59.0	59.8	61.0	62.6	63.0	63.0
140°	48.7	51.5	54.2	55.8	57.4	58.2	59.0	60.6	61.0	61.0
142.5°	47.5	49.9	52.7	54.2	55.8	56.2	57.4	58.6	59.0	59.0
145°	45.9	48.7	51.1	52.7	53.8	54.2	55.4	56.6	56.6	57.0
147.5°	43.9	46.3	49.5	50.7	51.9	52.3	53.5	54.2	54.6	54.6
150°	42.0	44.3	47.1	49.1	50.3	50.7	51.1	52.3	52.3	52.7
152.5°	40.0	42.0	44.7	46.7	48.3	48.7	49.1	49.9	49.9	50.3
155°	38.0	39.6	42.0	43.9	45.5	46.3	47.1	47.9	47.9	48.3
157.5°	36.4	38.0	40.0	41.6	42.8	43.9	45.1	45.9	45.9	45.9
160°	34.4	35.6	37.6	38.8	40.4	41.2	43.2	43.9	43.9	44.3
162.5°	33.3	33.7	34.8	36.0	37.2	38.0	40.0	42.0	42.0	42.4
165°	33.7	33.3	33.7	34.0	34.8	35.2	36.4	39.2	40.0	40.4
167.5°	34.4	33.3	33.3	33.3	34.0	34.0	35.2	36.8	39.6	38.8
170°	34.4	33.3	32.5	32.5	32.9	32.5	33.3	34.4	36.0	37.6
172.5°	34.8	33.7	32.5	30.9	31.3	30.9	30.1	30.1	30.5	35.6
175°	34.4	33.7	32.1	30.1	29.7	28.5	26.1	24.2	23.0	17.8
177.5°	34.0	32.9	31.7	30.1	29.3	28.1	25.3	22.2	19.0	18.2
180°	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5



TEST NUMBER: P894219
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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	11.60	12.92	12.21	13.55	14.27	14.15	15.47	14.76	16.10	16.82
	3H	13.00	14.20	13.63	14.84	15.60	16.58	17.78	17.20	18.42	19.18
	4H	13.43	14.57	14.08	15.22	15.99	17.72	18.85	18.36	19.51	20.28
	6H	13.67	14.73	14.33	15.39	16.18	18.85	19.91	19.52	20.58	21.36
	8H	13.71	14.72	14.38	15.41	16.20	19.41	20.42	20.08	21.11	21.90
	12H	13.72	14.69	14.40	15.37	16.19	20.00	20.96	20.67	21.64	22.46
4H	2H	12.49	13.62	13.14	14.28	15.05	14.50	15.63	15.15	16.29	17.06
	3H	14.11	15.08	14.77	15.77	16.56	17.13	18.09	17.79	18.79	19.58
	4H	14.67	15.55	15.35	16.25	17.07	18.42	19.30	19.10	20.00	20.82
	6H	15.00	15.78	15.70	16.50	17.33	19.73	20.51	20.43	21.23	22.06
	8H	15.08	15.81	15.78	16.53	17.37	20.39	21.12	21.09	21.84	22.68
	12H	15.11	15.78	15.84	16.52	17.36	21.09	21.75	21.81	22.49	23.34
8H	4H	15.31	16.05	16.02	16.77	17.61	18.57	19.30	19.27	20.02	20.86
	6H	15.82	16.44	16.55	17.20	18.04	20.03	20.64	20.76	21.40	22.25
	8H	15.97	16.53	16.72	17.29	18.15	20.81	21.36	21.55	22.12	22.98
	12H	16.06	16.56	16.81	17.31	18.23	21.67	22.16	22.41	22.91	23.83
12H	4H	15.48	16.14	16.20	16.89	17.73	18.56	19.22	19.29	19.97	20.81
	6H	16.08	16.63	16.82	17.39	18.25	20.04	20.60	20.79	21.36	22.22
	8H	16.31	16.80	17.06	17.56	18.47	20.88	21.37	21.62	22.12	23.04