

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: P894212

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

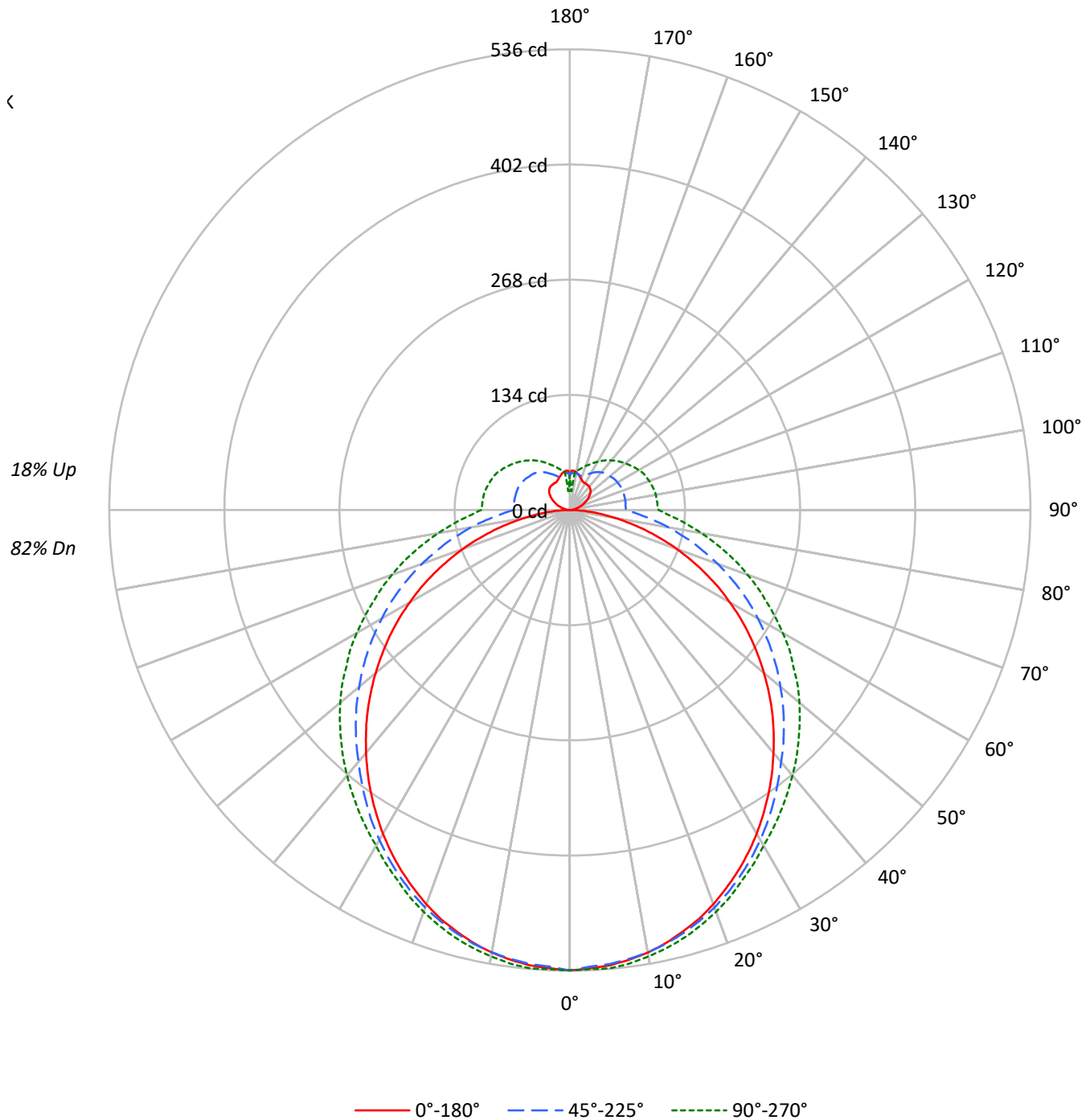
Test Method: LM-79-2019  
Report Number: P894212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K  
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 5000K CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2025.0 lumens  
Efficiency: N/A  
Efficacy: 121.3 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

TEST NUMBER: P894212  
CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

### Luminous Intensity Polar Plot





TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**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°	3811	3811	3811
5°	3780	3652	3648
10°	3743	3511	3474
15°	3689	3371	3308
20°	3627	3227	3141
25°	3550	3077	2970
30°	3468	2924	2815
35°	3377	2771	2687
40°	3281	2620	2565
45°	3185	2488	2449
50°	3074	2351	2336
55°	2952	2217	2209
60°	2808	2074	2090
65°	2635	1923	1954
70°	2412	1757	1828
75°	2104	1587	1692
80°	1700	1406	1552
85°	1175	1222	1424

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3185 cd/sqm



TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.6	2.5
10°-20°	144.5	7.1
20°-30°	217.1	10.7
30°-40°	260.6	12.9
40°-50°	274.1	13.5
50°-60°	257.5	12.7
60°-70°	214.1	10.6
70°-80°	152.8	7.5
80°-90°	90.9	4.5
90°-100°	65.8	3.3
100°-110°	65.0	3.2
110°-120°	61.0	3.0
120°-130°	54.1	2.7
130°-140°	44.8	2.2
140°-150°	33.5	1.7
150°-160°	22.1	1.1
160°-170°	12.5	0.6
170°-180°	4.0	0.2
0°-30°	412.2	20.4
0°-40°	672.8	33.2
0°-60°	1204.4	59.5
0°-90°	1662.2	82.1
90°-120°	191.8	9.5
90°-150°	324.2	16.0
90°-180°	363.0	17.9
0°-180°	2025.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	536	536	536	536	536	
5°	532	538	530	532	535	50
15°	508	516	510	513	515	143
25°	463	472	470	474	475	213
35°	403	412	414	424	428	252
45°	333	342	352	370	377	257
55°	256	266	287	311	318	229
65°	174	188	218	246	252	172
75°	92	112	149	178	187	97
85°	23	50	88	117	127	25
90°	0	29	65	93	103	2
95°	2	30	65	92	102	3
105°	9	34	66	92	100	10
115°	18	37	65	88	96	18
125°	27	39	63	82	88	24
135°	34	41	60	75	80	26
145°	36	40	54	66	70	22
155°	36	41	46	56	60	17
165°	42	44	43	43	50	12
175°	46	46	43	37	22	4
180°	40	40	40	40	40	



TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	533.7	535.2	535.6	540.5	538.6	540.5	537.1	533.2	532.2	534.7	531.7
5°	531.7	533.2	533.7	538.6	536.6	538.1	535.2	531.2	530.3	533.2	530.3
7.5°	527.8	529.3	529.8	535.2	532.7	534.7	531.2	527.3	526.8	529.8	526.8
10°	522.9	524.4	524.9	529.8	527.8	529.8	526.4	522.4	521.9	525.4	522.4
12.5°	516.1	517.5	518.5	523.4	521.0	523.4	519.5	515.6	516.1	519.0	517.1
15°	507.8	509.7	510.2	515.1	513.1	515.6	511.7	507.8	508.7	511.7	509.7
17.5°	499.0	500.9	501.4	505.8	503.9	506.8	502.4	499.0	499.9	502.9	501.4
20°	488.2	490.2	491.1	495.5	493.6	496.5	492.1	489.2	490.2	493.6	492.1
22.5°	476.0	478.9	479.4	484.3	481.8	484.8	480.4	477.9	479.4	482.8	481.3
25°	463.2	466.2	466.7	471.6	469.6	472.1	467.7	465.2	467.2	470.6	469.6
27.5°	449.6	452.5	453.5	457.9	455.9	458.8	454.0	452.5	454.4	457.9	456.9
30°	434.9	437.8	438.3	442.7	441.2	444.2	439.8	437.8	440.7	444.2	443.2
32.5°	419.2	422.2	423.6	427.5	426.1	428.5	424.6	423.6	426.1	429.5	429.0
35°	403.1	406.0	407.5	411.9	409.9	412.4	408.5	407.5	411.4	413.8	413.8
37.5°	386.4	389.4	390.9	395.3	392.8	395.7	391.8	391.3	395.7	398.2	398.2
40°	368.8	372.3	373.7	377.6	375.7	378.1	374.7	375.2	379.1	382.0	382.5
42.5°	351.2	354.7	356.1	360.5	358.1	360.5	357.6	358.1	362.5	365.4	367.9
45°	333.1	336.1	337.5	342.4	339.5	342.4	339.5	340.5	344.9	349.3	352.2
47.5°	314.1	317.0	319.4	323.3	320.9	323.3	321.4	322.9	328.2	332.6	336.6
50°	295.0	297.9	300.4	303.8	301.3	304.8	302.3	304.3	311.1	315.5	319.9
52.5°	275.4	277.9	281.8	283.7	281.8	285.7	283.7	286.7	293.5	298.9	303.8
55°	255.8	258.3	262.2	263.7	261.7	266.1	264.6	268.6	275.9	281.8	287.1
57.5°	235.8	238.2	241.7	243.1	241.7	246.5	246.1	250.5	257.8	264.2	270.0
60°	215.2	217.7	220.6	222.1	222.1	227.0	227.0	232.4	240.2	246.1	252.9
62.5°	195.2	196.6	199.6	201.5	203.0	207.9	207.9	213.8	222.1	228.9	235.8
65°	174.1	175.6	178.1	180.5	183.0	188.3	188.8	195.2	203.5	210.3	218.2
67.5°	153.1	154.6	157.0	160.0	163.4	168.8	169.7	176.6	185.4	193.2	200.6
70°	132.6	133.1	136.0	139.9	143.8	149.2	150.7	158.0	167.3	175.1	183.0
72.5°	112.0	112.5	115.4	120.3	124.7	130.6	132.6	140.4	149.7	157.5	165.3
75°	91.5	92.0	95.9	101.7	106.6	112.0	114.5	122.8	132.1	140.4	149.2
77.5°	71.9	72.9	76.8	82.7	88.5	94.9	97.3	105.7	115.9	123.8	132.1
80°	53.8	54.8	59.2	65.5	71.9	77.8	80.7	89.0	99.8	107.6	116.9
82.5°	37.2	38.6	44.0	50.9	57.2	63.6	66.5	74.4	84.1	92.9	101.7
85°	23.0	24.9	30.3	37.7	44.5	50.4	53.3	61.6	70.9	79.2	87.6
87.5°	10.8	13.7	19.1	26.4	33.8	38.6	42.1	50.4	59.2	67.5	75.8
90°	0.0	4.4	9.8	17.1	24.5	28.9	32.8	40.6	49.4	57.2	65.1
92.5°	1.0	4.9	10.8	17.6	24.9	29.4	33.3	41.1	49.4	57.2	65.1
95°	2.4	5.4	11.3	18.6	25.9	30.3	33.8	41.6	49.9	57.7	65.1
97.5°	4.4	6.8	12.7	19.6	26.9	30.8	34.7	42.6	50.4	58.2	65.5
100°	5.9	7.8	13.7	20.5	27.9	31.8	35.7	43.0	50.9	58.7	65.5
102.5°	7.3	9.8	15.2	21.5	28.9	32.8	36.2	43.5	51.4	58.7	65.5
105°	9.3	11.3	16.1	23.0	29.8	33.8	37.2	44.5	51.9	59.2	65.5
107.5°	11.3	12.7	17.6	24.0	30.8	34.2	37.7	45.0	52.3	59.2	65.5
110°	13.7	14.7	19.1	24.9	31.3	35.2	38.6	45.5	52.3	59.2	65.5



TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	16.1	16.1	20.5	25.9	32.3	35.7	39.1	46.0	52.8	59.2	65.5
115°	18.1	18.6	22.0	26.9	33.3	36.7	39.6	46.0	52.8	59.2	65.1
117.5°	20.5	20.5	24.0	27.9	33.8	37.2	40.6	46.5	52.8	58.7	64.6
120°	23.0	22.5	25.4	29.4	34.7	37.7	41.1	47.0	52.8	58.7	64.1
122.5°	25.4	24.5	26.4	30.3	35.2	38.6	41.1	47.0	52.8	58.2	63.6
125°	27.4	26.4	27.9	31.8	36.2	39.1	41.6	47.0	52.8	57.7	63.1
127.5°	29.4	28.4	29.8	32.8	36.7	39.1	42.1	47.0	52.8	57.2	62.1
130°	31.3	29.8	31.8	33.8	37.7	39.6	42.1	47.0	52.3	56.7	61.1
132.5°	32.8	31.3	33.3	34.7	38.2	40.1	42.6	47.0	51.9	56.3	60.7
135°	33.8	32.3	34.7	35.7	39.1	41.1	43.0	47.0	51.4	55.8	59.7
137.5°	34.7	32.8	35.7	36.7	39.6	41.6	43.0	46.5	50.9	54.8	58.7
140°	35.2	33.8	36.7	37.7	39.1	41.1	43.0	46.0	49.9	53.8	57.2
142.5°	35.7	33.8	37.2	38.2	39.1	40.6	42.6	45.0	48.9	52.3	55.8
145°	35.7	34.2	37.2	38.2	39.1	40.1	41.6	44.5	47.4	50.4	53.8
147.5°	35.7	34.7	37.7	38.6	39.6	39.6	40.6	43.5	46.0	48.9	51.9
150°	36.2	34.7	37.7	38.6	40.1	40.1	40.6	42.1	45.0	47.0	49.4
152.5°	35.7	35.2	37.2	39.1	40.1	40.6	40.6	41.1	43.5	45.5	47.4
155°	36.2	36.2	37.7	40.1	40.6	40.6	41.1	40.6	41.6	43.5	45.5
157.5°	37.2	38.2	38.2	40.6	41.6	41.6	42.1	41.6	41.1	41.6	43.5
160°	38.6	39.6	39.6	41.1	42.6	42.6	43.0	42.6	42.1	41.6	41.6
162.5°	40.1	41.1	41.1	41.6	43.0	43.5	44.0	43.5	43.0	42.1	41.6
165°	41.6	42.6	42.6	42.6	43.5	44.0	44.5	44.0	44.0	43.0	42.6
167.5°	43.0	44.0	44.0	43.5	44.0	44.5	45.0	44.5	44.5	44.0	43.0
170°	44.5	45.5	45.5	44.5	45.0	45.0	45.5	45.0	45.0	44.0	43.5
172.5°	45.5	46.5	46.0	45.5	45.5	45.5	45.5	45.0	44.5	43.5	43.5
175°	46.0	47.0	47.0	46.0	45.5	45.5	46.0	45.0	44.5	44.0	43.0
177.5°	46.0	47.0	47.0	46.0	46.0	45.5	46.0	45.5	44.5	44.5	43.5
180°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1



TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6	535.6
2.5°	533.7	533.2	530.3	533.7	533.7	532.7	536.6	536.1	535.6	534.7
5°	531.7	531.2	528.3	531.7	531.7	531.2	535.2	535.6	536.1	535.2
7.5°	528.8	528.3	525.4	528.8	528.8	528.3	532.7	533.2	533.7	532.2
10°	524.4	523.9	521.0	524.4	524.9	524.4	527.8	528.3	529.3	527.3
12.5°	518.5	518.5	515.6	519.0	519.5	519.0	522.4	523.4	524.4	521.9
15°	511.2	511.7	509.2	512.7	513.1	513.1	516.6	517.1	518.5	515.1
17.5°	502.4	503.4	501.4	504.8	505.3	505.8	507.8	509.2	510.7	506.8
20°	493.1	493.6	492.1	495.0	496.0	495.5	498.0	499.9	501.4	497.5
22.5°	481.8	482.3	480.9	483.8	484.8	485.3	487.2	489.7	490.6	487.2
25°	469.1	471.1	470.1	473.0	474.0	474.0	476.0	478.4	479.9	475.0
27.5°	456.9	459.3	458.4	461.3	462.3	462.8	463.7	466.7	468.1	463.7
30°	443.2	446.1	445.6	448.6	449.6	449.1	451.0	454.0	455.9	451.0
32.5°	428.0	431.9	431.5	435.4	436.3	436.8	438.3	442.2	444.2	439.8
35°	413.4	417.8	418.2	422.6	424.1	424.6	426.6	430.5	432.4	428.0
37.5°	398.2	404.1	405.5	409.9	411.4	411.9	413.8	418.2	420.2	415.8
40°	383.5	390.4	392.3	396.2	397.7	399.2	400.6	405.0	407.5	403.1
42.5°	368.8	376.2	378.6	382.5	384.0	385.5	387.4	392.3	394.3	390.4
45°	353.7	361.5	364.4	368.3	370.3	371.8	373.7	378.1	380.6	376.7
47.5°	338.5	346.3	349.3	353.7	355.6	357.6	359.1	364.4	366.9	363.0
50°	322.4	331.2	334.6	338.5	341.4	342.9	344.9	349.8	352.2	348.8
52.5°	306.2	315.5	319.4	323.3	326.3	328.7	329.7	335.1	337.5	334.1
55°	289.6	298.9	303.3	307.7	310.6	313.6	314.5	319.9	322.4	317.5
57.5°	273.0	282.7	287.1	292.0	294.5	297.9	299.4	304.3	306.7	303.3
60°	256.3	265.6	271.0	275.4	278.8	281.8	282.7	288.1	290.6	286.2
62.5°	239.2	249.0	254.4	259.3	262.2	265.6	267.1	272.0	273.9	269.5
65°	221.6	231.4	237.2	241.7	245.6	248.5	249.5	254.9	256.8	252.4
67.5°	204.0	213.8	220.1	225.0	228.4	231.9	232.8	238.2	240.2	236.8
70°	186.9	196.6	203.0	208.9	211.3	214.7	216.2	221.1	223.1	220.1
72.5°	169.7	179.5	186.4	192.2	194.7	198.1	200.1	204.0	206.9	204.5
75°	153.1	162.9	169.7	175.6	178.1	181.5	183.4	187.4	189.3	187.4
77.5°	137.0	146.8	153.1	159.0	161.9	164.9	166.8	170.7	173.2	171.2
80°	121.3	131.1	137.5	142.8	145.8	148.7	150.7	155.1	157.0	155.6
82.5°	106.6	115.9	122.8	128.2	131.1	134.0	136.0	139.9	142.3	140.4
85°	93.4	102.7	109.1	114.5	116.9	119.8	121.8	125.7	127.7	126.7
87.5°	80.7	89.0	96.4	101.7	104.2	107.1	109.6	112.5	115.0	113.5
90°	70.9	78.3	85.1	90.5	93.4	96.4	99.3	102.2	104.2	103.2
92.5°	71.4	78.3	84.6	89.5	92.5	95.4	98.3	101.7	103.2	102.2
95°	71.4	78.3	84.6	89.5	92.5	95.4	98.3	101.7	103.2	102.2
97.5°	71.4	78.3	84.6	89.5	92.5	95.4	98.3	101.7	103.2	101.7
100°	71.4	78.3	84.6	89.5	92.5	94.9	97.8	101.3	102.7	101.7
102.5°	71.4	78.3	84.1	89.0	92.0	94.4	97.3	100.8	102.2	101.3
105°	71.4	77.8	84.1	88.5	91.5	93.9	96.9	99.8	101.3	100.3
107.5°	70.9	77.3	83.2	88.1	90.5	92.9	95.9	98.8	100.3	99.3
110°	70.9	76.8	82.7	87.1	89.5	92.0	94.9	97.8	99.3	98.3





TEST NUMBER: P894212

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	70.4	76.3	82.2	86.1	88.5	91.0	93.4	96.9	98.3	97.3
115°	70.0	75.8	81.2	85.1	87.6	89.5	92.5	95.9	96.9	96.4
117.5°	69.5	74.8	80.2	84.1	86.6	88.5	91.0	93.9	95.4	94.9
120°	69.0	73.9	79.2	82.7	85.1	87.1	89.0	92.0	93.4	92.5
122.5°	68.0	72.9	78.3	81.7	83.6	85.6	87.6	90.0	91.5	91.0
125°	67.0	71.9	76.8	80.2	82.2	83.6	85.6	88.1	89.0	88.5
127.5°	66.0	70.9	75.3	78.3	80.7	82.2	83.6	86.1	87.1	86.6
130°	65.1	69.5	73.9	76.8	78.8	80.2	81.7	84.1	84.6	84.6
132.5°	64.1	68.0	72.4	75.3	77.3	78.3	79.7	81.7	82.7	82.2
135°	63.1	66.5	70.9	73.4	74.8	76.3	77.8	79.7	80.2	80.2
137.5°	61.6	65.1	69.0	71.4	72.9	73.9	75.3	77.3	77.8	77.8
140°	60.2	63.6	67.0	69.0	70.9	71.9	72.9	74.8	75.3	75.3
142.5°	58.7	61.6	65.1	67.0	69.0	69.5	70.9	72.4	72.9	72.9
145°	56.7	60.2	63.1	65.1	66.5	67.0	68.5	70.0	70.0	70.4
147.5°	54.3	57.2	61.1	62.6	64.1	64.6	66.0	67.0	67.5	67.5
150°	51.9	54.8	58.2	60.7	62.1	62.6	63.1	64.6	64.6	65.1
152.5°	49.4	51.9	55.3	57.7	59.7	60.2	60.7	61.6	61.6	62.1
155°	47.0	48.9	51.9	54.3	56.3	57.2	58.2	59.2	59.2	59.7
157.5°	45.0	47.0	49.4	51.4	52.8	54.3	55.8	56.7	56.7	56.7
160°	42.6	44.0	46.5	47.9	49.9	50.9	53.3	54.3	54.3	54.8
162.5°	41.1	41.6	43.0	44.5	46.0	47.0	49.4	51.9	51.9	52.3
165°	41.6	41.1	41.6	42.1	43.0	43.5	45.0	48.4	49.4	49.9
167.5°	42.6	41.1	41.1	41.1	42.1	42.1	43.5	45.5	48.9	47.9
170°	42.6	41.1	40.1	40.1	40.6	40.1	41.1	42.6	44.5	46.5
172.5°	43.0	41.6	40.1	38.2	38.6	38.2	37.2	37.2	37.7	44.0
175°	42.6	41.6	39.6	37.2	36.7	35.2	32.3	29.8	28.4	22.0
177.5°	42.1	40.6	39.1	37.2	36.2	34.7	31.3	27.4	23.5	22.5
180°	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1



TEST NUMBER: P894212  
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-LOW-5000K

**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	12.33	13.65	12.95	14.28	15.01	14.88	16.20	15.50	16.84	17.56
	3H	13.74	14.94	14.37	15.58	16.34	17.31	18.51	17.94	19.15	19.91
	4H	14.17	15.30	14.81	15.96	16.73	18.45	19.59	19.10	20.24	21.01
	6H	14.40	15.46	15.06	16.13	16.91	19.59	20.65	20.25	21.31	22.10
	8H	14.45	15.46	15.12	16.14	16.93	20.15	21.16	20.82	21.85	22.63
	12H	14.46	15.42	15.14	16.11	16.92	20.73	21.70	21.41	22.38	23.20
4H	2H	13.22	14.36	13.87	15.01	15.78	15.23	16.37	15.88	17.02	17.79
	3H	14.85	15.81	15.51	16.50	17.29	17.86	18.83	18.53	19.52	20.31
	4H	15.40	16.29	16.08	16.98	17.80	19.15	20.04	19.83	20.74	21.55
	6H	15.74	16.52	16.44	17.24	18.07	20.46	21.24	21.16	21.96	22.79
	8H	15.82	16.55	16.52	17.27	18.11	21.12	21.85	21.83	22.57	23.41
	12H	15.85	16.51	16.57	17.25	18.10	21.82	22.49	22.55	23.23	24.08
8H	4H	16.05	16.78	16.75	17.50	18.34	19.31	20.04	20.01	20.76	21.60
	6H	16.55	17.17	17.29	17.93	18.77	20.76	21.38	21.49	22.14	22.98
	8H	16.71	17.26	17.45	18.03	18.88	21.54	22.10	22.29	22.86	23.72
	12H	16.80	17.29	17.55	18.05	18.96	22.40	22.90	23.15	23.65	24.57
12H	4H	16.21	16.88	16.94	17.62	18.47	19.30	19.96	20.02	20.70	21.55
	6H	16.81	17.37	17.56	18.13	18.99	20.78	21.34	21.52	22.10	22.95
	8H	17.05	17.54	17.79	18.29	19.21	21.61	22.10	22.36	22.86	23.77