

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: P894222

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894222
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-MID-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 3500K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

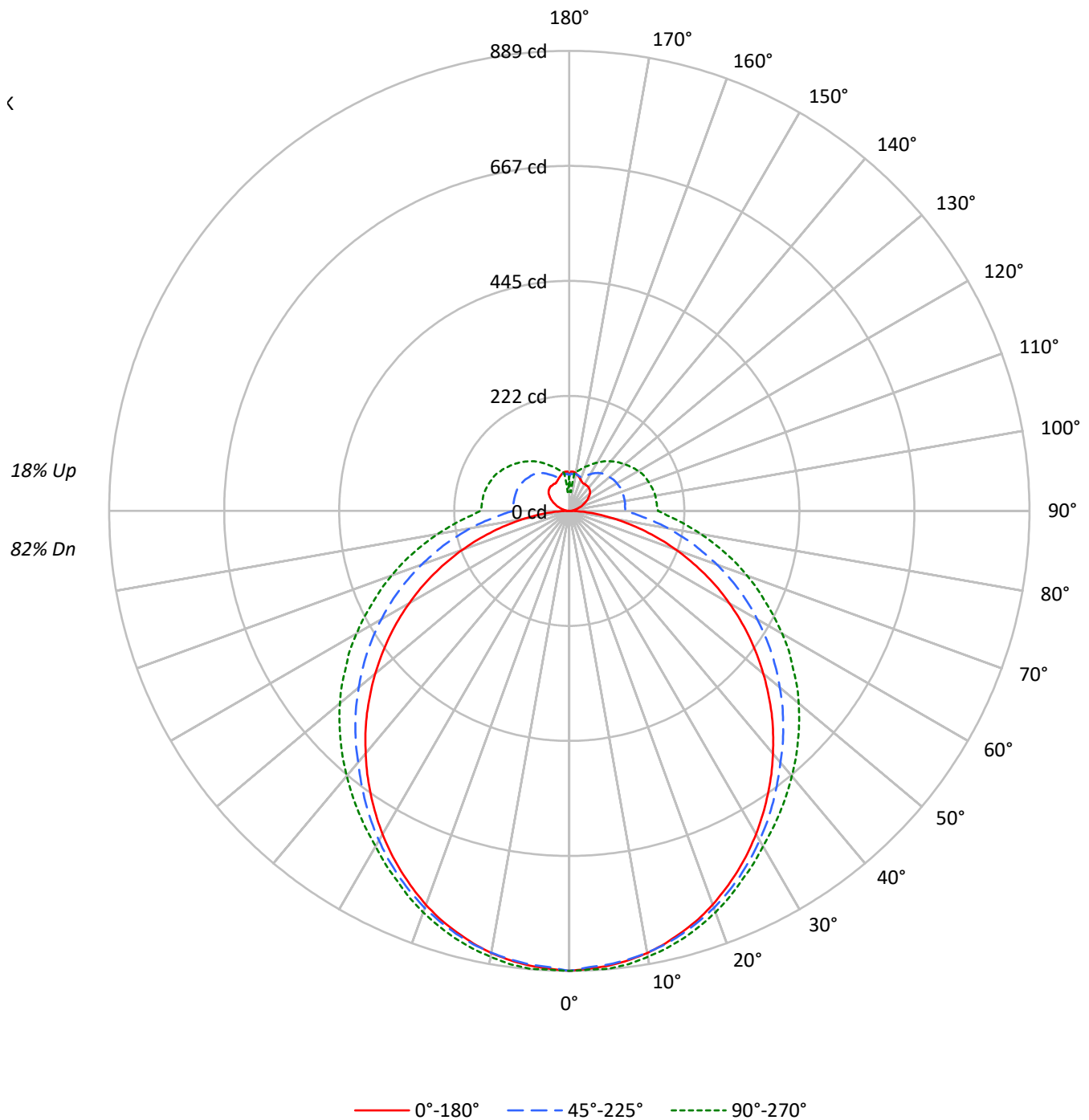
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3360.0 lumens
Efficiency: N/A
Efficacy: 100.3 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): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9948
Total Harmonic Distortion (THDi): 5.65231997856897
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P894222
CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P894222
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

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°	6324	6324	6324
5°	6273	6059	6052
10°	6212	5827	5765
15°	6120	5594	5490
20°	6018	5355	5211
25°	5890	5106	4928
30°	5754	4853	4671
35°	5604	4598	4458
40°	5445	4347	4255
45°	5285	4128	4063
50°	5099	3902	3875
55°	4899	3679	3666
60°	4659	3441	3467
65°	4374	3190	3242
70°	4001	2916	3033
75°	3491	2634	2807
80°	2821	2333	2575
85°	1946	2027	2363

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5285 cd/sqm



TEST NUMBER: P894222

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.0	2.5
10°-20°	239.7	7.1
20°-30°	360.2	10.7
30°-40°	432.5	12.9
40°-50°	454.7	13.5
50°-60°	427.3	12.7
60°-70°	355.3	10.6
70°-80°	253.5	7.5
80°-90°	150.9	4.5
90°-100°	109.2	3.3
100°-110°	107.8	3.2
110°-120°	101.2	3.0
120°-130°	89.7	2.7
130°-140°	74.3	2.2
140°-150°	55.6	1.7
150°-160°	36.6	1.1
160°-170°	20.8	0.6
170°-180°	6.6	0.2
0°-30°	683.9	20.4
0°-40°	1116.4	33.2
0°-60°	1998.4	59.5
0°-90°	2758.1	82.1
90°-120°	318.3	9.5
90°-150°	538.0	16.0
90°-180°	602.0	17.9
0°-180°	3360.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	882	893	880	882	888	84
15°	842	856	846	851	855	238
25°	769	783	779	786	788	354
35°	669	684	687	704	710	418
45°	553	568	584	614	625	426
55°	424	442	476	515	527	379
65°	289	312	362	408	419	286
75°	152	186	248	295	311	161
85°	38	84	145	194	210	42
90°	0	48	108	155	171	3
95°	4	50	108	153	170	5
105°	15	56	109	152	166	16
115°	30	61	108	145	160	30
125°	46	65	105	136	147	41
135°	56	68	99	124	133	43
145°	59	67	89	110	117	37
155°	60	67	76	93	99	28
165°	69	73	71	71	83	19
175°	76	76	71	61	36	7
180°	67	67	67	67	67	



TEST NUMBER: P894222
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8
2.5°	885.5	888.0	888.8	896.9	893.6	896.9	891.2	884.7	883.1	887.2	882.3
5°	882.3	884.7	885.5	893.6	890.4	892.8	888.0	881.5	879.8	884.7	879.8
7.5°	875.8	878.2	879.0	888.0	883.9	887.2	881.5	875.0	874.2	879.0	874.2
10°	867.7	870.1	870.9	879.0	875.8	879.0	873.4	866.9	866.1	871.7	866.9
12.5°	856.3	858.7	860.4	868.5	864.4	868.5	862.0	855.5	856.3	861.2	857.9
15°	842.5	845.8	846.6	854.7	851.4	855.5	849.0	842.5	844.1	849.0	845.8
17.5°	827.9	831.1	832.0	839.3	836.0	840.9	833.6	827.9	829.5	834.4	832.0
20°	810.0	813.3	814.9	822.2	819.0	823.8	816.5	811.7	813.3	819.0	816.5
22.5°	789.8	794.6	795.4	803.6	799.5	804.4	797.1	793.0	795.4	801.1	798.7
25°	768.6	773.5	774.3	782.4	779.2	783.3	776.0	771.9	775.1	780.8	779.2
27.5°	745.9	750.8	752.4	759.7	756.5	761.3	753.2	750.8	754.0	759.7	758.1
30°	721.6	726.4	727.3	734.6	732.1	737.0	729.7	726.4	731.3	737.0	735.4
32.5°	695.6	700.5	702.9	709.4	707.0	711.0	704.5	702.9	707.0	712.6	711.8
35°	668.8	673.7	676.1	683.4	680.2	684.2	677.7	676.1	682.6	686.7	686.7
37.5°	641.2	646.1	648.5	655.8	651.8	656.6	650.1	649.3	656.6	660.7	660.7
40°	612.0	617.7	620.1	626.6	623.4	627.4	621.7	622.5	629.0	633.9	634.7
42.5°	582.8	588.5	590.9	598.2	594.1	598.2	593.3	594.1	601.4	606.3	610.4
45°	552.7	557.6	560.1	568.2	563.3	568.2	563.3	564.9	572.2	579.5	584.4
47.5°	521.1	526.0	530.0	536.5	532.5	536.5	533.3	535.7	544.6	551.9	558.4
50°	489.4	494.3	498.4	504.0	500.0	505.7	501.6	504.9	516.2	523.5	530.8
52.5°	457.0	461.0	467.5	470.8	467.5	474.0	470.8	475.6	487.0	495.9	504.0
55°	424.5	428.6	435.1	437.5	434.2	441.5	439.1	445.6	457.8	467.5	476.4
57.5°	391.2	395.3	401.0	403.4	401.0	409.1	408.3	415.6	427.7	438.3	448.0
60°	357.1	361.2	366.1	368.5	368.5	376.6	376.6	385.5	398.5	408.3	419.6
62.5°	323.9	326.3	331.2	334.4	336.8	345.0	345.0	354.7	368.5	379.9	391.2
65°	289.0	291.4	295.4	299.5	303.6	312.5	313.3	323.9	337.7	349.0	362.0
67.5°	254.1	256.5	260.5	265.4	271.1	280.0	281.6	293.0	307.6	320.6	332.8
70°	220.0	220.8	225.6	232.1	238.6	247.6	250.0	262.2	277.6	290.6	303.6
72.5°	185.9	186.7	191.6	199.7	207.0	216.7	220.0	232.9	248.4	261.4	274.3
75°	151.8	152.6	159.1	168.8	176.9	185.9	189.9	203.7	219.2	232.9	247.6
77.5°	119.3	120.9	127.4	137.2	146.9	157.5	161.5	175.3	192.4	205.4	219.2
80°	89.3	90.9	98.2	108.8	119.3	129.1	133.9	147.7	165.6	178.6	194.0
82.5°	61.7	64.1	73.1	84.4	95.0	105.5	110.4	123.4	139.6	154.2	168.8
85°	38.1	41.4	50.3	62.5	73.9	83.6	88.5	102.3	117.7	131.5	145.3
87.5°	17.9	22.7	31.7	43.8	56.0	64.1	69.8	83.6	98.2	112.0	125.8
90°	0.0	7.3	16.2	28.4	40.6	47.9	54.4	67.4	82.0	95.0	108.0
92.5°	1.6	8.1	17.9	29.2	41.4	48.7	55.2	68.2	82.0	95.0	108.0
95°	4.1	8.9	18.7	30.8	43.0	50.3	56.0	69.0	82.8	95.8	108.0
97.5°	7.3	11.4	21.1	32.5	44.6	51.1	57.6	70.6	83.6	96.6	108.8
100°	9.7	13.0	22.7	34.1	46.3	52.8	59.3	71.4	84.4	97.4	108.8
102.5°	12.2	16.2	25.2	35.7	47.9	54.4	60.1	72.2	85.2	97.4	108.8
105°	15.4	18.7	26.8	38.1	49.5	56.0	61.7	73.9	86.0	98.2	108.8
107.5°	18.7	21.1	29.2	39.8	51.1	56.8	62.5	74.7	86.8	98.2	108.8
110°	22.7	24.4	31.7	41.4	51.9	58.4	64.1	75.5	86.8	98.2	108.8



TEST NUMBER: P894222

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.8	26.8	34.1	43.0	53.6	59.3	64.9	76.3	87.7	98.2	108.8
115°	30.0	30.8	36.5	44.6	55.2	60.9	65.7	76.3	87.7	98.2	108.0
117.5°	34.1	34.1	39.8	46.3	56.0	61.7	67.4	77.1	87.7	97.4	107.1
120°	38.1	37.3	42.2	48.7	57.6	62.5	68.2	77.9	87.7	97.4	106.3
122.5°	42.2	40.6	43.8	50.3	58.4	64.1	68.2	77.9	87.7	96.6	105.5
125°	45.5	43.8	46.3	52.8	60.1	64.9	69.0	77.9	87.7	95.8	104.7
127.5°	48.7	47.1	49.5	54.4	60.9	64.9	69.8	77.9	87.7	95.0	103.1
130°	51.9	49.5	52.8	56.0	62.5	65.7	69.8	77.9	86.8	94.2	101.5
132.5°	54.4	51.9	55.2	57.6	63.3	66.6	70.6	77.9	86.0	93.3	100.6
135°	56.0	53.6	57.6	59.3	64.9	68.2	71.4	77.9	85.2	92.5	99.0
137.5°	57.6	54.4	59.3	60.9	65.7	69.0	71.4	77.1	84.4	90.9	97.4
140°	58.4	56.0	60.9	62.5	64.9	68.2	71.4	76.3	82.8	89.3	95.0
142.5°	59.3	56.0	61.7	63.3	64.9	67.4	70.6	74.7	81.2	86.8	92.5
145°	59.3	56.8	61.7	63.3	64.9	66.6	69.0	73.9	78.7	83.6	89.3
147.5°	59.3	57.6	62.5	64.1	65.7	65.7	67.4	72.2	76.3	81.2	86.0
150°	60.1	57.6	62.5	64.1	66.6	66.6	67.4	69.8	74.7	77.9	82.0
152.5°	59.3	58.4	61.7	64.9	66.6	67.4	67.4	68.2	72.2	75.5	78.7
155°	60.1	60.1	62.5	66.6	67.4	67.4	68.2	67.4	69.0	72.2	75.5
157.5°	61.7	63.3	63.3	67.4	69.0	69.0	69.8	69.0	68.2	69.0	72.2
160°	64.1	65.7	65.7	68.2	70.6	70.6	71.4	70.6	69.8	69.0	69.0
162.5°	66.6	68.2	68.2	69.0	71.4	72.2	73.1	72.2	71.4	69.8	69.0
165°	69.0	70.6	70.6	70.6	72.2	73.1	73.9	73.1	73.1	71.4	70.6
167.5°	71.4	73.1	73.1	72.2	73.1	73.9	74.7	73.9	73.9	73.1	71.4
170°	73.9	75.5	75.5	73.9	74.7	74.7	75.5	74.7	74.7	73.1	72.2
172.5°	75.5	77.1	76.3	75.5	75.5	75.5	75.5	74.7	73.9	72.2	72.2
175°	76.3	77.9	77.9	76.3	75.5	75.5	76.3	74.7	73.9	73.1	71.4
177.5°	76.3	77.9	77.9	76.3	76.3	75.5	76.3	75.5	75.5	73.9	72.2
180°	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6



TEST NUMBER: P894222

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8	888.8
2.5°	885.5	884.7	879.8	885.5	885.5	883.9	890.4	889.6	888.8	887.2
5°	882.3	881.5	876.6	882.3	882.3	881.5	888.0	888.8	889.6	888.0
7.5°	877.4	876.6	871.7	877.4	877.4	876.6	883.9	884.7	885.5	883.1
10°	870.1	869.3	864.4	870.1	870.9	870.1	875.8	876.6	878.2	875.0
12.5°	860.4	860.4	855.5	861.2	862.0	861.2	866.9	868.5	870.1	866.1
15°	848.2	849.0	844.9	850.6	851.4	851.4	857.1	857.9	860.4	854.7
17.5°	833.6	835.2	832.0	837.6	838.5	839.3	842.5	844.9	847.4	840.9
20°	818.2	819.0	816.5	821.4	823.0	822.2	826.3	829.5	832.0	825.5
22.5°	799.5	800.3	797.9	802.7	804.4	805.2	808.4	812.5	814.1	808.4
25°	778.4	781.6	780.0	784.9	786.5	786.5	789.8	793.8	796.2	788.1
27.5°	758.1	762.2	760.5	765.4	767.0	767.8	769.5	774.3	776.8	769.5
30°	735.4	740.2	739.4	744.3	745.9	745.1	748.4	753.2	756.5	748.4
32.5°	710.2	716.7	715.9	722.4	724.0	724.8	727.3	733.7	737.0	729.7
35°	685.9	693.2	694.0	701.3	703.7	704.5	707.8	714.3	717.5	710.2
37.5°	660.7	670.4	672.9	680.2	682.6	683.4	686.7	694.0	697.2	689.9
40°	636.3	647.7	651.0	657.5	659.9	662.3	664.8	672.1	676.1	668.8
42.5°	612.0	624.2	628.2	634.7	637.2	639.6	642.8	651.0	654.2	647.7
45°	586.8	599.8	604.7	611.2	614.4	616.9	620.1	627.4	631.5	625.0
47.5°	561.7	574.7	579.5	586.8	590.1	593.3	595.8	604.7	608.8	602.3
50°	534.9	549.5	555.2	561.7	566.5	569.0	572.2	580.3	584.4	578.7
52.5°	508.1	523.5	530.0	536.5	541.4	545.4	547.1	556.0	560.1	554.4
55°	480.5	495.9	503.2	510.5	515.4	520.3	521.9	530.8	534.9	526.8
57.5°	452.9	469.1	476.4	484.6	488.6	494.3	496.7	504.9	508.9	503.2
60°	425.3	440.7	449.7	457.0	462.7	467.5	469.1	478.1	482.1	474.8
62.5°	396.9	413.1	422.1	430.2	435.1	440.7	443.2	451.3	454.5	447.2
65°	367.7	383.9	393.7	401.0	407.5	412.3	414.0	422.9	426.1	418.8
67.5°	338.5	354.7	365.3	373.4	379.0	384.7	386.4	395.3	398.5	392.8
70°	310.1	326.3	336.8	346.6	350.6	356.3	358.8	366.9	370.1	365.3
72.5°	281.6	297.9	309.2	319.0	323.0	328.7	332.0	338.5	343.3	339.3
75°	254.1	270.3	281.6	291.4	295.4	301.1	304.4	310.9	314.1	310.9
77.5°	227.3	243.5	254.1	263.8	268.7	273.5	276.8	283.3	287.3	284.1
80°	201.3	217.5	228.1	237.0	241.9	246.7	250.0	257.3	260.5	258.1
82.5°	176.9	192.4	203.7	212.7	217.5	222.4	225.6	232.1	236.2	232.9
85°	155.0	170.5	181.0	189.9	194.0	198.9	202.1	208.6	211.8	210.2
87.5°	133.9	147.7	159.9	168.8	172.9	177.8	181.8	186.7	190.7	188.3
90°	117.7	129.9	141.2	150.2	155.0	159.9	164.8	169.6	172.9	171.3
92.5°	118.5	129.9	140.4	148.5	153.4	158.3	163.1	168.8	171.3	169.6
95°	118.5	129.9	140.4	148.5	153.4	158.3	163.1	168.8	171.3	169.6
97.5°	118.5	129.9	140.4	148.5	153.4	158.3	163.1	168.8	171.3	168.8
100°	118.5	129.9	140.4	148.5	153.4	157.5	162.3	168.0	170.5	168.8
102.5°	118.5	129.9	139.6	147.7	152.6	156.7	161.5	167.2	169.6	168.0
105°	118.5	129.1	139.6	146.9	151.8	155.8	160.7	165.6	168.0	166.4
107.5°	117.7	128.2	138.0	146.1	150.2	154.2	159.1	164.0	166.4	164.8
110°	117.7	127.4	137.2	144.5	148.5	152.6	157.5	162.3	164.8	163.1



TEST NUMBER: P894222

CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	116.9	126.6	136.4	142.9	146.9	151.0	155.0	160.7	163.1	161.5
115°	116.1	125.8	134.7	141.2	145.3	148.5	153.4	159.1	160.7	159.9
117.5°	115.3	124.2	133.1	139.6	143.7	146.9	151.0	155.8	158.3	157.5
120°	114.4	122.6	131.5	137.2	141.2	144.5	147.7	152.6	155.0	153.4
122.5°	112.8	120.9	129.9	135.5	138.8	142.0	145.3	149.3	151.8	151.0
125°	111.2	119.3	127.4	133.1	136.4	138.8	142.0	146.1	147.7	146.9
127.5°	109.6	117.7	125.0	129.9	133.9	136.4	138.8	142.9	144.5	143.7
130°	108.0	115.3	122.6	127.4	130.7	133.1	135.5	139.6	140.4	140.4
132.5°	106.3	112.8	120.1	125.0	128.2	129.9	132.3	135.5	137.2	136.4
135°	104.7	110.4	117.7	121.8	124.2	126.6	129.1	132.3	133.1	133.1
137.5°	102.3	108.0	114.4	118.5	120.9	122.6	125.0	128.2	129.1	129.1
140°	99.8	105.5	111.2	114.4	117.7	119.3	120.9	124.2	125.0	125.0
142.5°	97.4	102.3	108.0	111.2	114.4	115.3	117.7	120.1	120.9	120.9
145°	94.2	99.8	104.7	108.0	110.4	111.2	113.6	116.1	116.1	116.9
147.5°	90.1	95.0	101.5	103.9	106.3	107.1	109.6	111.2	112.0	112.0
150°	86.0	90.9	96.6	100.6	103.1	103.9	104.7	107.1	107.1	108.0
152.5°	82.0	86.0	91.7	95.8	99.0	99.8	100.6	102.3	102.3	103.1
155°	77.9	81.2	86.0	90.1	93.3	95.0	96.6	98.2	98.2	99.0
157.5°	74.7	77.9	82.0	85.2	87.7	90.1	92.5	94.2	94.2	94.2
160°	70.6	73.1	77.1	79.5	82.8	84.4	88.5	90.1	90.1	90.9
162.5°	68.2	69.0	71.4	73.9	76.3	77.9	82.0	86.0	86.0	86.8
165°	69.0	68.2	69.0	69.8	71.4	72.2	74.7	80.4	82.0	82.8
167.5°	70.6	68.2	68.2	68.2	69.8	69.8	72.2	75.5	81.2	79.5
170°	70.6	68.2	66.6	66.6	67.4	66.6	68.2	70.6	73.9	77.1
172.5°	71.4	69.0	66.6	63.3	64.1	63.3	61.7	61.7	62.5	73.1
175°	70.6	69.0	65.7	61.7	60.9	58.4	53.6	49.5	47.1	36.5
177.5°	69.8	67.4	64.9	61.7	60.1	57.6	51.9	45.5	39.0	37.3
180°	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6



TEST NUMBER: P894222
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC93-MID-3500K

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	14.09	15.41	14.71	16.04	16.77	16.64	17.96	17.26	18.59	19.32
	3H	15.50	16.70	16.12	17.34	18.09	19.07	20.27	19.70	20.91	21.67
	4H	15.92	17.06	16.57	17.72	18.49	20.21	21.35	20.86	22.00	22.77
	6H	16.16	17.22	16.82	17.88	18.67	21.35	22.41	22.01	23.07	23.86
	8H	16.20	17.22	16.88	17.90	18.69	21.91	22.92	22.58	23.61	24.39
	12H	16.21	17.18	16.89	17.86	18.68	22.49	23.46	23.17	24.14	24.96
4H	2H	14.98	16.12	15.63	16.77	17.54	16.99	18.13	17.64	18.78	19.55
	3H	16.60	17.57	17.27	18.26	19.05	19.62	20.59	20.29	21.28	22.07
	4H	17.16	18.04	17.84	18.74	19.56	20.91	21.80	21.59	22.49	23.31
	6H	17.50	18.28	18.20	19.00	19.83	22.22	23.00	22.92	23.72	24.55
	8H	17.57	18.31	18.28	19.03	19.87	22.88	23.61	23.58	24.33	25.17
	12H	17.60	18.27	18.33	19.01	19.86	23.58	24.25	24.31	24.99	25.83
8H	4H	17.81	18.54	18.51	19.26	20.10	21.07	21.80	21.77	22.52	23.36
	6H	18.31	18.93	19.05	19.69	20.53	22.52	23.14	23.25	23.90	24.74
	8H	18.47	19.02	19.21	19.79	20.64	23.30	23.85	24.04	24.62	25.47
	12H	18.56	19.05	19.31	19.81	20.72	24.16	24.66	24.91	25.41	26.32
12H	4H	17.97	18.64	18.70	19.38	20.23	21.06	21.72	21.78	22.46	23.31
	6H	18.57	19.13	19.31	19.89	20.75	22.54	23.09	23.28	23.86	24.71
	8H	18.80	19.30	19.55	20.05	20.97	23.37	23.86	24.12	24.62	25.53