

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: P894313

Luminaire Tested: 4MB-SC3-RND-UNV-CC93-MID-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RND-UNV-CC93-MID-4000K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 4000K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

Summary

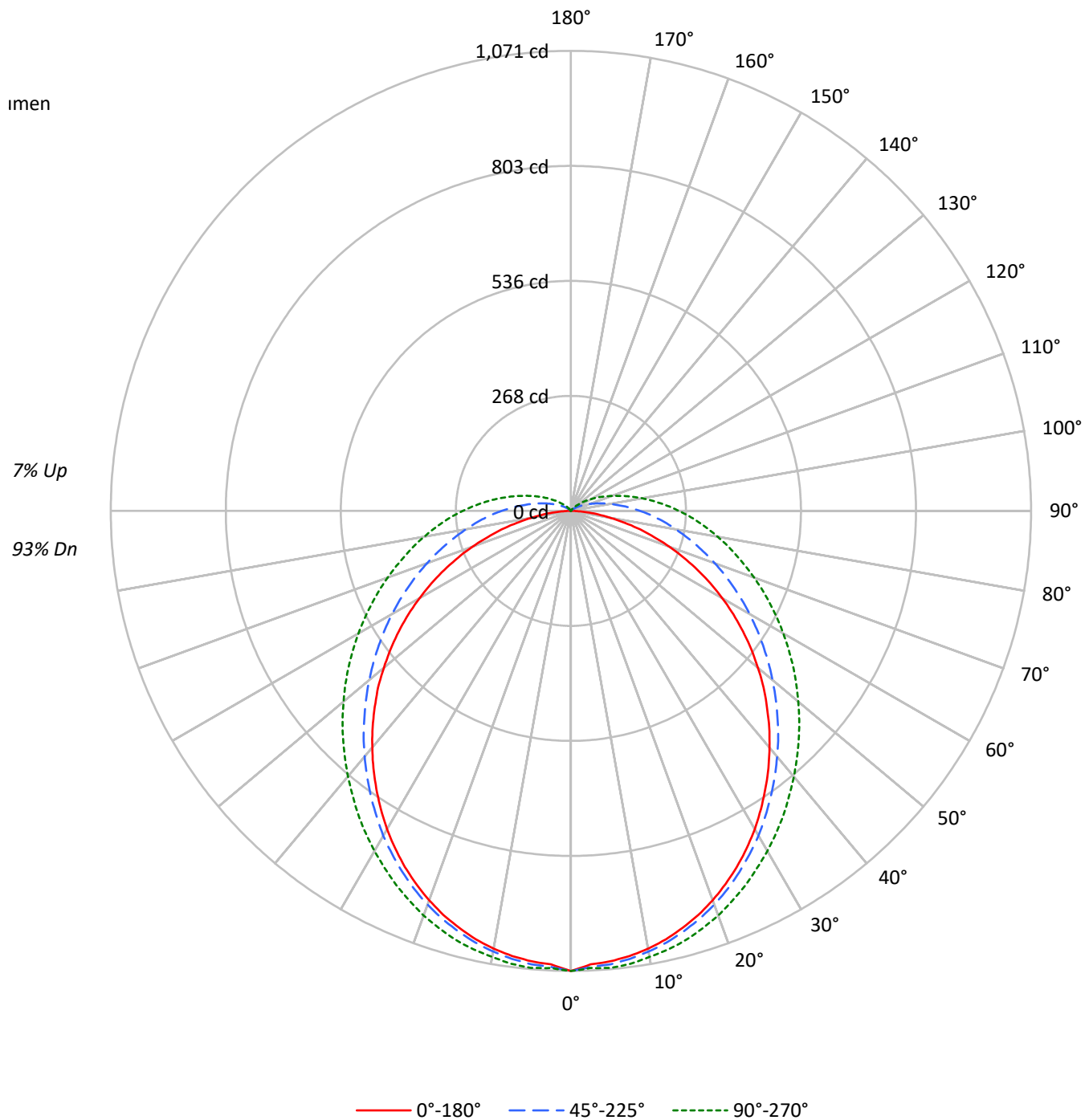
Lumens per Lamp: N/A
Luminaire Lumens: 3545.9 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

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

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CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-4000K

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7622	7622	7622
5°	7519	7566	7626
10°	7478	7527	7618
15°	7402	7464	7619
20°	7304	7387	7590
25°	7179	7284	7547
30°	7030	7176	7512
35°	6857	7047	7498
40°	6679	6936	7496
45°	6494	6839	7548
50°	6290	6782	7644
55°	6061	6768	7829
60°	5796	6835	8122
65°	5475	7014	8608
70°	5074	7410	9432
75°	4585	8250	10944
80°	3880	10166	14218
85°	3151	16556	24360

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 44840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	2.9
10°-20°	288.6	8.1
20°-30°	432.2	12.2
30°-40°	515.3	14.5
40°-50°	534.4	15.1
50°-60°	495.8	14.0
60°-70°	413.6	11.7
70°-80°	308.4	8.7
80°-90°	205.3	5.8
90°-100°	125.0	3.5
100°-110°	69.8	2.0
110°-120°	34.9	1.0
120°-130°	14.6	0.4
130°-140°	4.6	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	822.1	23.2
0°-40°	1337.4	37.7
0°-60°	2367.7	66.8
0°-90°	3295.1	92.9
90°-120°	229.7	6.5
90°-150°	249.9	7.0
90°-180°	251.0	7.1
0°-180°	3545.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1071	1071	1071	1071	1071	
5°	1053	1077	1059	1065	1068	100
15°	1005	1031	1013	1032	1034	283
25°	914	939	928	954	961	421
35°	790	810	811	852	863	494
45°	645	662	680	733	750	498
55°	489	505	546	609	631	437
65°	325	351	417	487	511	322
75°	167	213	300	373	398	176
85°	39	106	203	272	298	43
90°	2	70	161	227	251	3
95°	0	43	124	186	208	0
105°	0	13	68	115	132	0
115°	1	3	32	64	77	1
125°	1	1	13	31	39	1
135°	1	1	3	11	14	1
145°	1	1	1	2	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
175°	2	2	2	1	0	0
180°	2	2	2	2	2	

TEST NUMBER: P894313

CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2
2.5°	1056.9	1058.6	1073.7	1072.8	1070.3	1080.4	1082.9	1074.5	1061.1	1074.5	1062.8
5°	1052.7	1054.4	1069.5	1068.6	1066.1	1077.0	1077.9	1070.3	1056.9	1070.3	1059.4
7.5°	1045.2	1046.8	1061.9	1061.1	1059.4	1070.3	1069.5	1063.6	1049.4	1063.6	1051.9
10°	1035.1	1036.0	1051.9	1050.2	1049.4	1060.3	1057.7	1052.7	1038.5	1052.7	1041.8
12.5°	1021.7	1022.5	1038.5	1036.8	1036.8	1046.8	1043.5	1039.3	1025.1	1038.5	1029.2
15°	1004.9	1005.8	1020.9	1020.0	1020.0	1030.9	1025.9	1022.5	1009.1	1023.4	1013.3
17.5°	986.5	985.7	1001.6	999.9	1001.6	1011.6	1004.9	1003.3	990.7	1004.1	995.7
20°	964.7	964.7	979.0	978.1	980.6	989.9	981.5	982.3	969.7	984.0	975.6
22.5°	940.4	939.6	953.8	953.8	956.3	965.5	956.3	958.8	946.3	959.7	953.0
25°	914.4	912.7	927.0	927.0	931.2	938.7	928.7	932.0	920.3	933.7	927.8
27.5°	885.9	883.4	897.7	898.5	901.8	909.4	898.5	903.5	892.6	905.2	901.0
30°	855.7	853.2	867.5	868.3	872.5	878.4	867.5	874.2	864.1	876.7	873.4
32.5°	823.1	821.4	834.8	836.5	840.7	844.9	834.8	841.5	833.1	845.7	842.3
35°	789.5	787.9	800.4	802.9	807.1	810.5	799.6	808.8	801.3	813.0	811.3
37.5°	755.2	752.7	766.1	767.7	772.8	774.4	764.4	775.3	768.6	780.3	779.5
40°	719.1	716.6	730.0	731.7	736.7	736.7	728.4	740.1	735.1	746.0	746.8
42.5°	683.1	680.6	692.3	695.7	699.9	699.9	691.5	704.0	700.7	711.6	714.1
45°	645.4	642.9	653.8	657.1	662.1	662.1	653.8	668.0	665.5	676.4	679.7
47.5°	608.5	605.1	615.2	618.6	623.6	622.7	616.0	630.3	629.4	640.3	646.2
50°	568.3	565.8	575.8	579.2	585.0	583.4	578.3	593.4	593.4	604.3	612.7
52.5°	528.9	526.4	536.4	539.8	544.8	544.8	539.8	555.7	558.2	569.1	579.2
55°	488.6	485.3	495.3	498.7	504.6	505.4	501.2	517.1	522.2	534.7	545.6
57.5°	448.4	446.7	455.1	458.5	466.0	466.0	463.5	480.3	487.0	500.4	512.9
60°	407.3	405.7	413.2	417.4	425.8	427.5	425.8	443.4	452.6	466.0	480.3
62.5°	366.3	364.6	372.1	378.0	387.2	388.9	389.7	408.2	418.2	432.5	448.4
65°	325.2	323.5	331.1	337.8	348.7	351.2	353.7	373.0	384.7	399.8	416.6
67.5°	284.1	283.3	290.8	299.2	311.0	314.3	318.5	338.6	352.0	367.9	386.4
70°	243.9	243.1	250.6	260.7	274.9	279.1	284.1	304.2	321.0	337.8	356.2
72.5°	203.7	204.5	212.9	224.6	240.5	244.7	251.4	272.4	290.8	308.4	327.7
75°	166.8	166.8	176.0	189.4	207.0	212.9	220.4	242.2	261.5	279.9	300.1
77.5°	129.1	129.1	140.0	156.7	176.0	181.9	191.1	213.7	234.7	253.1	273.2
80°	94.7	96.4	109.0	125.7	145.8	153.4	164.3	186.9	209.5	228.0	248.1
82.5°	64.5	67.1	80.5	99.7	119.9	127.4	138.3	162.6	185.2	204.5	225.5
85°	38.6	42.7	57.0	76.3	97.2	105.6	117.3	140.0	162.6	181.9	202.8
87.5°	17.6	23.5	38.6	57.8	77.9	87.2	97.2	119.0	141.6	160.9	182.7
90°	1.7	10.1	25.1	41.9	61.2	69.6	79.6	100.6	122.4	140.0	160.9
92.5°	0.0	4.2	15.1	30.2	46.9	55.3	64.5	84.7	103.9	121.5	141.6
95°	0.0	1.7	8.4	21.0	35.2	42.7	51.1	69.6	88.8	105.6	124.0
97.5°	0.0	0.8	5.0	14.2	26.0	32.7	40.2	57.0	74.6	90.5	107.3
100°	0.0	0.8	2.5	9.2	19.3	24.3	31.8	46.1	62.0	76.3	93.0
102.5°	0.0	0.0	1.7	5.9	14.2	18.4	24.3	36.9	51.1	64.5	79.6
105°	0.0	0.0	0.8	4.2	10.1	13.4	18.4	29.3	41.9	53.6	67.9
107.5°	0.0	0.0	0.8	2.5	6.7	10.1	14.2	22.6	33.5	44.4	57.0
110°	0.8	0.8	0.8	1.7	5.0	7.5	10.1	17.6	27.7	36.9	47.8

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CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	0.8	0.8	0.8	3.4	5.0	7.5	13.4	21.8	29.3	39.4
115°	0.8	0.8	0.8	0.8	2.5	3.4	5.0	10.1	16.8	23.5	31.8
117.5°	0.8	0.8	0.8	0.8	1.7	2.5	3.4	7.5	12.6	18.4	26.0
120°	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.0	10.1	14.2	21.0
122.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2	7.5	10.9	15.9
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.0	8.4	12.6
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.9	9.2
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	4.2	6.7
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.0
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
145°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2	1071.2
2.5°	1066.1	1068.6	1071.2	1064.4	1068.6	1076.2	1078.7	1068.6	1072.0	1065.3
5°	1062.8	1064.4	1067.8	1059.4	1065.3	1072.0	1076.2	1067.8	1072.8	1067.8
7.5°	1056.1	1057.7	1061.9	1053.6	1061.1	1067.0	1072.0	1063.6	1068.6	1063.6
10°	1046.0	1048.5	1054.4	1044.3	1053.6	1058.6	1063.6	1054.4	1059.4	1054.4
12.5°	1033.4	1037.6	1042.7	1033.4	1042.7	1046.8	1053.6	1044.3	1050.2	1046.0
15°	1018.4	1022.5	1029.2	1020.0	1031.8	1035.1	1041.8	1032.6	1038.5	1034.3
17.5°	1000.7	1005.8	1014.2	1003.3	1016.7	1019.2	1025.9	1017.5	1023.4	1019.2
20°	980.6	985.7	994.0	984.0	997.4	999.1	1006.6	999.1	1004.9	1002.4
22.5°	957.2	963.0	971.4	962.2	976.4	976.4	985.7	978.1	984.8	982.3
25°	932.9	939.6	948.8	938.7	953.8	953.8	963.9	956.3	963.0	961.4
27.5°	906.9	914.4	925.3	915.3	930.3	929.5	939.6	932.9	940.4	937.9
30°	879.2	887.6	898.5	890.1	906.0	904.4	914.4	908.6	915.3	914.4
32.5°	849.0	858.3	871.7	862.5	878.4	876.7	889.3	882.6	891.0	889.3
35°	818.9	828.9	842.3	834.0	851.6	849.0	861.6	855.7	864.1	863.3
37.5°	787.9	798.8	812.2	805.5	822.2	819.7	833.1	828.1	837.3	834.8
40°	756.0	766.9	781.2	775.3	792.9	789.5	803.8	799.6	808.8	807.1
42.5°	724.2	735.9	750.1	746.8	763.6	760.2	774.4	771.1	780.3	778.6
45°	691.5	704.0	719.1	715.8	733.4	730.0	744.3	741.8	751.0	750.1
47.5°	658.8	672.2	687.3	685.6	702.4	699.0	714.1	711.6	720.8	720.8
50°	625.3	640.3	655.4	654.6	671.4	668.0	681.4	681.4	691.5	690.6
52.5°	591.7	607.7	623.6	623.6	640.3	637.0	652.1	651.2	661.3	661.3
55°	559.9	574.1	590.1	593.4	609.3	604.3	620.2	621.9	630.3	631.1
57.5°	528.0	543.1	559.0	563.2	578.3	575.0	590.1	591.7	600.1	601.0
60°	496.2	510.4	526.4	532.2	547.3	544.0	559.0	560.7	569.9	570.8
62.5°	464.3	478.6	496.2	502.1	516.3	513.8	529.7	531.4	539.8	541.4
65°	433.3	448.4	465.2	473.6	487.0	483.6	499.5	501.2	510.4	511.3
67.5°	403.1	418.2	435.0	444.2	456.8	455.1	470.2	473.6	481.1	482.8
70°	373.8	388.9	406.5	415.7	428.3	427.5	441.7	444.2	452.6	453.4
72.5°	345.3	360.4	378.0	388.9	399.8	399.0	413.2	416.6	424.9	425.8
75°	317.7	333.6	350.3	362.1	373.0	372.1	386.4	389.7	397.3	398.1
77.5°	291.7	307.6	325.2	336.9	346.2	347.0	359.6	362.9	370.5	373.0
80°	267.4	282.5	299.2	311.8	320.2	321.8	333.6	337.8	343.6	347.0
82.5°	243.9	259.0	275.8	287.5	295.9	297.5	308.4	313.5	319.3	321.8
85°	221.3	236.4	252.3	264.9	272.4	273.2	284.1	289.2	294.2	298.4
87.5°	199.5	214.6	229.7	243.1	249.8	251.4	261.5	266.5	270.7	274.9
90°	177.7	192.8	207.9	220.4	227.1	228.0	238.9	243.9	248.1	251.4
92.5°	157.6	172.7	187.7	200.3	206.2	207.9	217.1	222.9	226.3	229.7
95°	138.3	153.4	166.8	180.2	186.1	188.6	197.0	202.0	206.2	207.9
97.5°	121.5	134.9	147.5	160.9	166.0	168.5	176.8	182.7	186.1	187.7
100°	105.6	118.2	129.9	142.5	147.5	150.0	157.6	162.6	166.0	168.5
102.5°	91.4	103.1	114.0	125.7	130.8	132.4	139.1	144.2	147.5	150.0
105°	78.8	89.7	99.7	110.6	114.8	117.3	123.2	127.4	130.8	132.4
107.5°	67.1	77.9	86.3	96.4	100.6	102.3	108.1	113.2	115.7	116.5
110°	57.0	66.2	74.6	83.0	88.0	89.7	94.7	98.9	101.4	102.3

TEST NUMBER: P894313

CATALOG NUMBER: 4MB-SC3-RND-UNV-CC93-MID-4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	47.8	56.2	63.7	71.2	75.4	77.1	82.1	86.3	88.0	88.8
115°	39.4	47.8	53.6	61.2	64.5	66.2	70.4	74.6	75.4	77.1
117.5°	31.8	39.4	45.3	51.1	54.5	56.2	59.5	62.9	64.5	65.4
120°	26.0	31.8	36.9	42.7	45.3	46.9	50.3	53.6	54.5	55.3
122.5°	21.0	26.0	30.2	35.2	37.7	39.4	41.9	44.4	45.3	46.1
125°	15.9	21.0	24.3	28.5	31.0	31.8	34.4	36.9	37.7	38.6
127.5°	12.6	15.9	19.3	22.6	24.3	25.1	27.7	29.3	30.2	31.0
130°	9.2	11.7	14.2	17.6	19.3	20.1	21.8	23.5	24.3	24.3
132.5°	6.7	9.2	10.9	13.4	14.2	15.1	16.8	18.4	18.4	19.3
135°	4.2	5.9	7.5	9.2	10.9	10.9	12.6	13.4	14.2	14.2
137.5°	3.4	4.2	5.0	6.7	7.5	8.4	8.4	10.1	10.1	10.1
140°	2.5	3.4	3.4	4.2	5.0	5.9	5.9	6.7	6.7	6.7
142.5°	1.7	2.5	2.5	3.4	3.4	4.2	4.2	4.2	5.0	5.0
145°	1.7	1.7	1.7	2.5	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

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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	17.34	18.88	17.81	19.34	19.82	18.91	20.45	19.39	20.91	21.40
	3H	19.02	20.42	19.50	20.89	21.42	21.54	22.94	22.02	23.41	23.94
	4H	19.62	20.95	20.12	21.43	21.97	22.85	24.18	23.36	24.67	25.21
	6H	20.02	21.26	20.53	21.75	22.31	24.26	25.50	24.77	25.99	26.55
	8H	20.13	21.32	20.66	21.84	22.41	25.01	26.19	25.53	26.72	27.28
	12H	20.21	21.35	20.75	21.87	22.46	25.86	27.00	26.39	27.51	28.10
4H	2H	18.27	19.60	18.78	20.09	20.63	19.47	20.80	19.97	21.28	21.82
	3H	20.25	21.39	20.77	21.91	22.48	22.38	23.52	22.90	24.05	24.61
	4H	21.03	22.07	21.56	22.61	23.20	23.91	24.95	24.44	25.49	26.08
	6H	21.61	22.53	22.16	23.09	23.70	25.55	26.47	26.11	27.03	27.64
	8H	21.79	22.66	22.35	23.22	23.84	26.43	27.30	26.99	27.86	28.48
	12H	21.91	22.70	22.50	23.29	23.92	27.43	28.22	28.02	28.81	29.44
8H	4H	21.91	22.77	22.47	23.34	23.96	24.27	25.13	24.83	25.70	26.32
	6H	22.79	23.52	23.38	24.13	24.76	26.17	26.91	26.76	27.51	28.14
	8H	23.14	23.80	23.74	24.42	25.06	27.25	27.92	27.86	28.53	29.17
	12H	23.41	24.00	24.01	24.61	25.31	28.52	29.11	29.12	29.72	30.42
12H	4H	22.18	22.97	22.77	23.56	24.19	24.31	25.10	24.89	25.69	26.32
	6H	23.24	23.90	23.84	24.52	25.16	26.28	26.95	26.88	27.56	28.20
	8H	23.75	24.35	24.36	24.95	25.66	27.48	28.07	28.08	28.68	29.38