

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: P894312

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894312
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-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT, MID lu setting
Light Source: -
Ballast/Driver: -

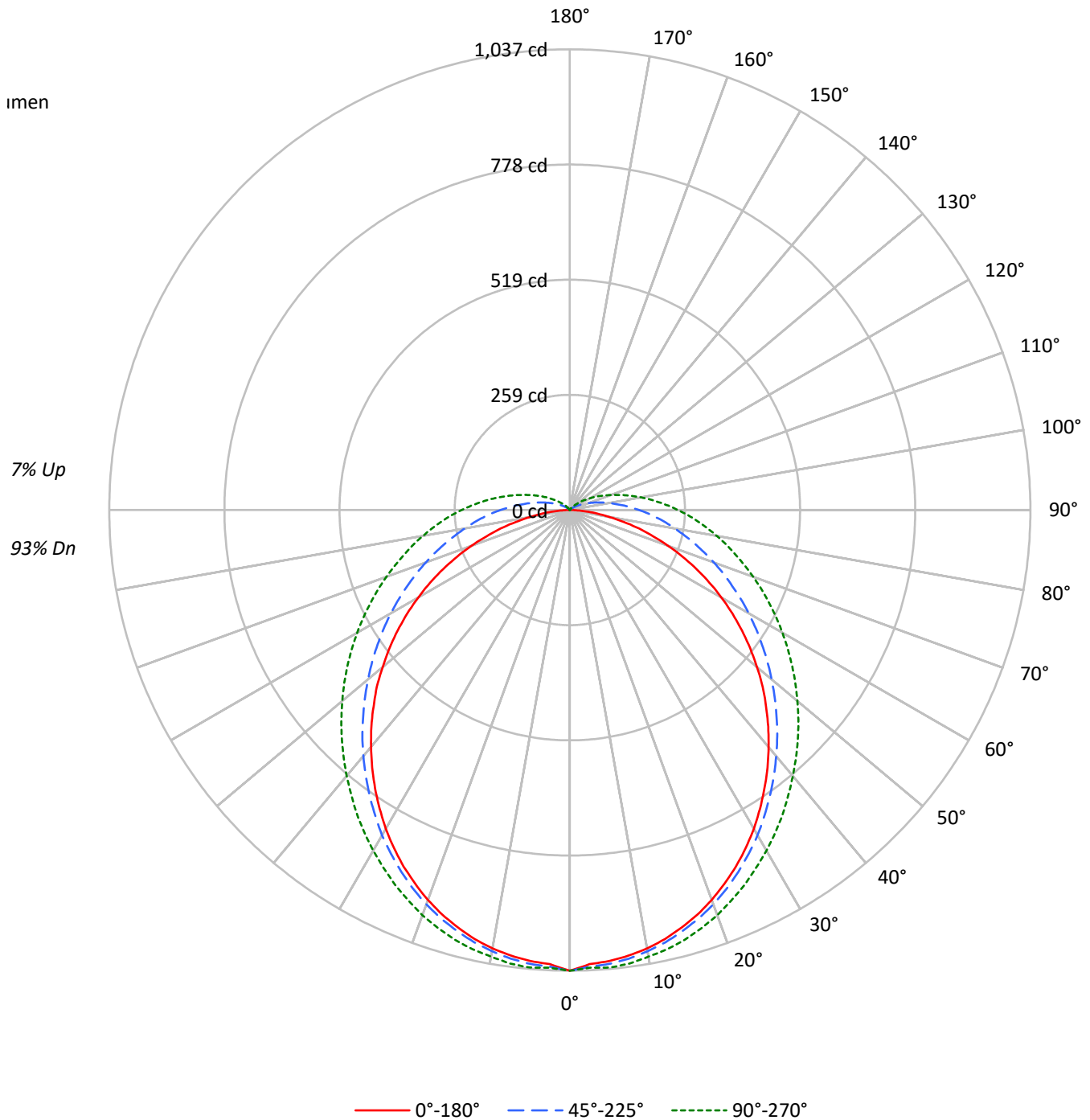
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3433.0 lumens
Efficiency: N/A
Efficacy: 102.5 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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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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7378	7378	7378
5°	7279	7326	7384
10°	7240	7287	7375
15°	7166	7226	7376
20°	7072	7151	7348
25°	6950	7052	7306
30°	6807	6946	7273
35°	6639	6823	7260
40°	6466	6715	7258
45°	6287	6622	7307
50°	6090	6566	7401
55°	5869	6552	7579
60°	5612	6617	7863
65°	5300	6790	8334
70°	4912	7175	9132
75°	4440	7986	10595
80°	3757	9842	13763
85°	3045	16033	23584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 43421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	2.9
10°-20°	279.4	8.1
20°-30°	418.4	12.2
30°-40°	498.9	14.5
40°-50°	517.4	15.1
50°-60°	480.0	14.0
60°-70°	400.5	11.7
70°-80°	298.6	8.7
80°-90°	198.8	5.8
90°-100°	121.0	3.5
100°-110°	67.6	2.0
110°-120°	33.8	1.0
120°-130°	14.1	0.4
130°-140°	4.4	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°	795.9	23.2
0°-40°	1294.8	37.7
0°-60°	2292.2	66.8
0°-90°	3190.1	92.9
90°-120°	222.4	6.5
90°-150°	242.0	7.0
90°-180°	243.0	7.1
0°-180°	3433.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1019	1043	1026	1031	1034	97
15°	973	998	981	999	1001	274
25°	885	909	898	923	931	408
35°	764	785	786	824	836	478
45°	625	641	658	710	726	482
55°	473	489	528	590	611	423
65°	315	340	403	471	495	312
75°	162	206	290	361	385	171
85°	37	102	196	264	289	42
90°	2	67	156	220	243	3
95°	0	41	120	180	201	0
105°	0	13	66	111	128	0
115°	1	3	31	62	75	1
125°	1	1	12	30	37	1
135°	1	1	3	10	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	



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

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1023.2	1024.8	1039.5	1038.6	1036.2	1045.9	1048.4	1040.3	1027.3	1040.3	1028.9
5°	1019.2	1020.8	1035.4	1034.6	1032.2	1042.7	1043.5	1036.2	1023.2	1036.2	1025.7
7.5°	1011.9	1013.5	1028.1	1027.3	1025.7	1036.2	1035.4	1029.7	1015.9	1029.7	1018.4
10°	1002.1	1002.9	1018.4	1016.7	1015.9	1026.5	1024.0	1019.2	1005.4	1019.2	1008.6
12.5°	989.1	990.0	1005.4	1003.8	1003.8	1013.5	1010.2	1006.2	992.4	1005.4	996.4
15°	972.9	973.7	988.3	987.5	987.5	998.1	993.2	990.0	977.0	990.8	981.0
17.5°	955.1	954.3	969.7	968.0	969.7	979.4	972.9	971.3	959.1	972.1	964.0
20°	934.0	934.0	947.8	946.9	949.4	958.3	950.2	951.0	938.8	952.6	944.5
22.5°	910.4	909.6	923.4	923.4	925.9	934.8	925.9	928.3	916.1	929.1	922.6
25°	885.3	883.7	897.5	897.5	901.5	908.8	899.1	902.3	891.0	903.9	898.3
27.5°	857.7	855.3	869.1	869.9	873.1	880.4	869.9	874.7	864.2	876.4	872.3
30°	828.5	826.0	839.8	840.7	844.7	850.4	839.8	846.3	836.6	848.8	845.5
32.5°	796.8	795.2	808.2	809.8	813.9	817.9	808.2	814.7	806.6	818.7	815.5
35°	764.4	762.8	774.9	777.4	781.4	784.7	774.1	783.0	775.7	787.1	785.5
37.5°	731.1	728.7	741.7	743.3	748.1	749.8	740.0	750.6	744.1	755.5	754.6
40°	696.2	693.8	706.8	708.4	713.3	713.3	705.1	716.5	711.6	722.2	723.0
42.5°	661.3	658.9	670.2	673.5	677.6	677.6	669.4	681.6	678.4	688.9	691.3
45°	624.8	622.4	632.9	636.2	641.0	641.0	632.9	646.7	644.3	654.8	658.1
47.5°	589.1	585.9	595.6	598.8	603.7	602.9	596.4	610.2	609.4	619.9	625.6
50°	550.2	547.7	557.5	560.7	566.4	564.8	559.9	574.5	574.5	585.0	593.2
52.5°	512.0	509.6	519.3	522.6	527.4	527.4	522.6	538.0	540.4	551.0	560.7
55°	473.1	469.8	479.6	482.8	488.5	489.3	485.2	500.7	505.5	517.7	528.2
57.5°	434.1	432.5	440.6	443.9	451.2	451.2	448.7	465.0	471.4	484.4	496.6
60°	394.4	392.7	400.0	404.1	412.2	413.8	412.2	429.3	438.2	451.2	465.0
62.5°	354.6	353.0	360.3	366.0	374.9	376.5	377.3	395.2	404.9	418.7	434.1
65°	314.8	313.2	320.5	327.0	337.6	340.0	342.4	361.1	372.5	387.1	403.3
67.5°	275.1	274.3	281.6	289.7	301.0	304.3	308.3	327.8	340.8	356.2	374.1
70°	236.1	235.3	242.6	252.4	266.2	270.2	275.1	294.6	310.8	327.0	344.9
72.5°	197.2	198.0	206.1	217.5	232.9	236.9	243.4	263.7	281.6	298.6	317.3
75°	161.5	161.5	170.4	183.4	200.4	206.1	213.4	234.5	253.2	271.0	290.5
77.5°	125.0	125.0	135.5	151.7	170.4	176.1	185.0	206.9	227.2	245.1	264.5
80°	91.7	93.3	105.5	121.7	141.2	148.5	159.0	181.0	202.9	220.7	240.2
82.5°	62.5	64.9	77.9	96.6	116.0	123.3	133.9	157.4	179.3	198.0	218.3
85°	37.3	41.4	55.2	73.8	94.1	102.2	113.6	135.5	157.4	176.1	196.4
87.5°	17.0	22.7	37.3	56.0	75.5	84.4	94.1	115.2	137.1	155.8	176.9
90°	1.6	9.7	24.3	40.6	59.2	67.3	77.1	97.4	118.5	135.5	155.8
92.5°	0.0	4.1	14.6	29.2	45.4	53.6	62.5	82.0	100.6	117.7	137.1
95°	0.0	1.6	8.1	20.3	34.1	41.4	49.5	67.3	86.0	102.2	120.1
97.5°	0.0	0.8	4.9	13.8	25.2	31.6	38.9	55.2	72.2	87.6	103.9
100°	0.0	0.8	2.4	8.9	18.7	23.5	30.8	44.6	60.0	73.8	90.1
102.5°	0.0	0.0	1.6	5.7	13.8	17.9	23.5	35.7	49.5	62.5	77.1
105°	0.0	0.0	0.8	4.1	9.7	13.0	17.9	28.4	40.6	51.9	65.7
107.5°	0.0	0.0	0.8	2.4	6.5	9.7	13.8	21.9	32.5	43.0	55.2
110°	0.8	0.8	0.8	1.6	4.9	7.3	9.7	17.0	26.8	35.7	46.3



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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	3.2	4.9	7.3	13.0	21.1	28.4	38.1
115°	0.8	0.8	0.8	0.8	2.4	3.2	4.9	9.7	16.2	22.7	30.8
117.5°	0.8	0.8	0.8	0.8	1.6	2.4	3.2	7.3	12.2	17.9	25.2
120°	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.9	9.7	13.8	20.3
122.5°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	4.1	7.3	10.5	15.4
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.9	8.1	12.2
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	5.7	8.9
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.1	6.5
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	4.9
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
145°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
170°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0	1037.0
2.5°	1032.2	1034.6	1037.0	1030.5	1034.6	1041.9	1044.3	1034.6	1037.8	1031.3
5°	1028.9	1030.5	1033.8	1025.7	1031.3	1037.8	1041.9	1033.8	1038.6	1033.8
7.5°	1022.4	1024.0	1028.1	1020.0	1027.3	1033.0	1037.8	1029.7	1034.6	1029.7
10°	1012.7	1015.1	1020.8	1011.1	1020.0	1024.8	1029.7	1020.8	1025.7	1020.8
12.5°	1000.5	1004.6	1009.4	1000.5	1009.4	1013.5	1020.0	1011.1	1016.7	1012.7
15°	985.9	990.0	996.4	987.5	998.9	1002.1	1008.6	999.7	1005.4	1001.3
17.5°	968.9	973.7	981.8	971.3	984.3	986.7	993.2	985.1	990.8	986.7
20°	949.4	954.3	962.4	952.6	965.6	967.2	974.5	967.2	972.9	970.5
22.5°	926.7	932.3	940.5	931.5	945.3	945.3	954.3	946.9	953.4	951.0
25°	903.1	909.6	918.5	908.8	923.4	923.4	933.2	925.9	932.3	930.7
27.5°	878.0	885.3	895.8	886.1	900.7	899.9	909.6	903.1	910.4	908.0
30°	851.2	859.3	869.9	861.7	877.2	875.5	885.3	879.6	886.1	885.3
32.5°	822.0	830.9	843.9	835.0	850.4	848.8	860.9	854.4	862.6	860.9
35°	792.8	802.5	815.5	807.4	824.4	822.0	834.2	828.5	836.6	835.8
37.5°	762.8	773.3	786.3	779.8	796.0	793.6	806.6	801.7	810.6	808.2
40°	731.9	742.5	756.3	750.6	767.6	764.4	778.2	774.1	783.0	781.4
42.5°	701.1	712.4	726.2	723.0	739.2	736.0	749.8	746.5	755.5	753.8
45°	669.4	681.6	696.2	693.0	710.0	706.8	720.6	718.1	727.0	726.2
47.5°	637.8	650.8	665.4	663.8	680.0	676.7	691.3	688.9	697.8	697.8
50°	605.3	619.9	634.5	633.7	650.0	646.7	659.7	659.7	669.4	668.6
52.5°	572.9	588.3	603.7	603.7	619.9	616.7	631.3	630.5	640.2	640.2
55°	542.0	555.8	571.3	574.5	589.9	585.0	600.5	602.1	610.2	611.0
57.5°	511.2	525.8	541.2	545.3	559.9	556.6	571.3	572.9	581.0	581.8
60°	480.4	494.2	509.6	515.3	529.9	526.6	541.2	542.9	551.8	552.6
62.5°	449.5	463.3	480.4	486.1	499.8	497.4	512.8	514.5	522.6	524.2
65°	419.5	434.1	450.3	458.5	471.4	468.2	483.6	485.2	494.2	495.0
67.5°	390.3	404.9	421.1	430.1	442.2	440.6	455.2	458.5	465.8	467.4
70°	361.9	376.5	393.5	402.5	414.6	413.8	427.6	430.1	438.2	439.0
72.5°	334.3	348.9	366.0	376.5	387.1	386.2	400.0	403.3	411.4	412.2
75°	307.5	323.0	339.2	350.5	361.1	360.3	374.1	377.3	384.6	385.4
77.5°	282.4	297.8	314.8	326.2	335.1	335.9	348.1	351.4	358.7	361.1
80°	258.8	273.5	289.7	301.9	310.0	311.6	323.0	327.0	332.7	335.9
82.5°	236.1	250.7	267.0	278.3	286.4	288.1	298.6	303.5	309.2	311.6
85°	214.2	228.8	244.2	256.4	263.7	264.5	275.1	279.9	284.8	288.9
87.5°	193.1	207.7	222.3	235.3	241.8	243.4	253.2	258.0	262.1	266.2
90°	172.0	186.6	201.2	213.4	219.9	220.7	231.3	236.1	240.2	243.4
92.5°	152.6	167.2	181.8	193.9	199.6	201.2	210.2	215.8	219.1	222.3
95°	133.9	148.5	161.5	174.5	180.1	182.6	190.7	195.6	199.6	201.2
97.5°	117.7	130.6	142.8	155.8	160.7	163.1	171.2	176.9	180.1	181.8
100°	102.2	114.4	125.8	137.9	142.8	145.2	152.6	157.4	160.7	163.1
102.5°	88.4	99.8	110.4	121.7	126.6	128.2	134.7	139.6	142.8	145.2
105°	76.3	86.8	96.6	107.1	111.2	113.6	119.3	123.3	126.6	128.2
107.5°	64.9	75.5	83.6	93.3	97.4	99.0	104.7	109.5	112.0	112.8
110°	55.2	64.1	72.2	80.3	85.2	86.8	91.7	95.7	98.2	99.0



TEST NUMBER: P894312

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

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	46.3	54.4	61.7	69.0	73.0	74.7	79.5	83.6	85.2	86.0
115°	38.1	46.3	51.9	59.2	62.5	64.1	68.2	72.2	73.0	74.7
117.5°	30.8	38.1	43.8	49.5	52.7	54.4	57.6	60.9	62.5	63.3
120°	25.2	30.8	35.7	41.4	43.8	45.4	48.7	51.9	52.7	53.6
122.5°	20.3	25.2	29.2	34.1	36.5	38.1	40.6	43.0	43.8	44.6
125°	15.4	20.3	23.5	27.6	30.0	30.8	33.3	35.7	36.5	37.3
127.5°	12.2	15.4	18.7	21.9	23.5	24.3	26.8	28.4	29.2	30.0
130°	8.9	11.4	13.8	17.0	18.7	19.5	21.1	22.7	23.5	23.5
132.5°	6.5	8.9	10.5	13.0	13.8	14.6	16.2	17.9	17.9	18.7
135°	4.1	5.7	7.3	8.9	10.5	10.5	12.2	13.0	13.8	13.8
137.5°	3.2	4.1	4.9	6.5	7.3	8.1	8.1	9.7	9.7	9.7
140°	2.4	3.2	3.2	4.1	4.9	5.7	5.7	6.5	6.5	6.5
142.5°	1.6	2.4	2.4	3.2	3.2	4.1	4.1	4.1	4.9	4.9
145°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2	3.2
147.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
150°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



TEST NUMBER: P894312
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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	17.23	18.77	17.70	19.23	19.71	18.80	20.34	19.27	20.80	21.28
	3H	18.91	20.31	19.39	20.78	21.31	21.43	22.83	21.91	23.30	23.83
	4H	19.51	20.84	20.01	21.32	21.86	22.74	24.07	23.24	24.55	25.09
	6H	19.90	21.14	20.42	21.64	22.20	24.14	25.38	24.66	25.88	26.44
	8H	20.02	21.21	20.55	21.73	22.29	24.89	26.08	25.42	26.60	27.17
	12H	20.10	21.24	20.63	21.75	22.35	25.74	26.88	26.28	27.40	27.99
4H	2H	18.16	19.49	18.66	19.97	20.51	19.35	20.68	19.86	21.17	21.71
	3H	20.14	21.27	20.66	21.80	22.37	22.27	23.41	22.79	23.93	24.50
	4H	20.91	21.96	21.45	22.49	23.09	23.79	24.84	24.33	25.37	25.97
	6H	21.49	22.41	22.05	22.98	23.59	25.44	26.36	25.99	26.92	27.53
	8H	21.68	22.54	22.24	23.11	23.73	26.32	27.19	26.88	27.75	28.37
	12H	21.80	22.59	22.38	23.18	23.81	27.32	28.11	27.91	28.70	29.33
8H	4H	21.79	22.66	22.35	23.22	23.85	24.16	25.02	24.72	25.59	26.21
	6H	22.67	23.41	23.27	24.02	24.64	26.06	26.79	26.65	27.40	28.03
	8H	23.02	23.69	23.63	24.30	24.94	27.14	27.81	27.75	28.42	29.06
	12H	23.29	23.89	23.90	24.49	25.20	28.40	29.00	29.01	29.60	30.31
12H	4H	22.07	22.86	22.65	23.45	24.08	24.20	24.99	24.78	25.58	26.20
	6H	23.12	23.79	23.73	24.41	25.05	26.17	26.83	26.77	27.45	28.09
	8H	23.64	24.24	24.25	24.84	25.55	27.36	27.96	27.97	28.56	29.27