

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: P894213

Luminaire Tested: 4MB-SC3-FLTU-UNV-CC83-MID-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894213
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-MID-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 3500K CCT, MID lumen setting
Light Source: -
Ballast/Driver: -

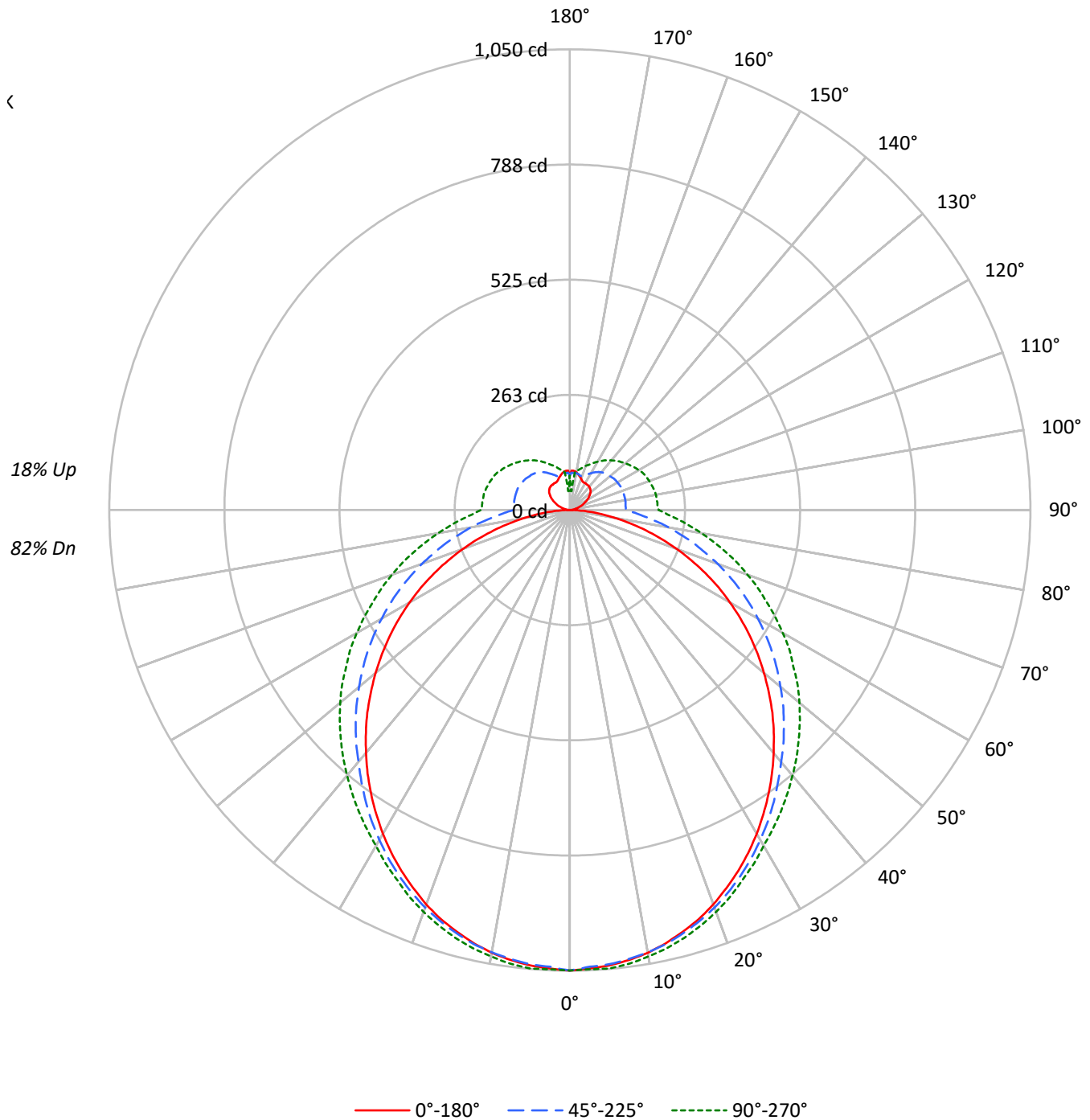
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3968.0 lumens
Efficiency: N/A
Efficacy: 118.4 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 (A_{in}): 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-FLTU-UNV-CC83-MID-3500K

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°	7468	7468	7468
5°	7408	7156	7147
10°	7335	6881	6808
15°	7228	6606	6483
20°	7108	6324	6154
25°	6956	6030	5820
30°	6795	5730	5516
35°	6617	5430	5265
40°	6430	5134	5025
45°	6242	4875	4798
50°	6022	4608	4576
55°	5786	4346	4329
60°	5503	4064	4094
65°	5164	3768	3828
70°	4725	3443	3581
75°	4121	3111	3314
80°	3330	2755	3040
85°	2303	2394	2791

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6242 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.2	2.5
10°-20°	283.1	7.1
20°-30°	425.3	10.7
30°-40°	510.7	12.9
40°-50°	537.0	13.5
50°-60°	504.6	12.7
60°-70°	419.6	10.6
70°-80°	299.4	7.5
80°-90°	178.2	4.5
90°-100°	129.0	3.3
100°-110°	127.3	3.2
110°-120°	119.6	3.0
120°-130°	105.9	2.7
130°-140°	87.8	2.2
140°-150°	65.7	1.7
150°-160°	43.2	1.1
160°-170°	24.5	0.6
170°-180°	7.8	0.2
0°-30°	807.7	20.4
0°-40°	1318.4	33.2
0°-60°	2360.0	59.5
0°-90°	3257.1	82.1
90°-120°	375.9	9.5
90°-150°	635.3	16.0
90°-180°	711.0	17.9
0°-180°	3968.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1050	1050	1050	1050	1050	
5°	1042	1054	1039	1042	1049	99
15°	995	1010	999	1006	1009	281
25°	908	925	920	929	931	418
35°	790	808	811	831	839	494
45°	653	671	690	726	738	503
55°	501	521	563	609	622	448
65°	341	369	428	481	495	338
75°	179	220	292	349	367	190
85°	45	99	172	229	248	49
90°	0	57	128	183	202	3
95°	5	59	128	181	200	5
105°	18	66	128	179	196	19
115°	36	72	128	172	189	35
125°	54	77	124	161	174	48
135°	66	80	117	147	157	51
145°	70	79	105	130	138	44
155°	71	80	89	110	117	33
165°	82	86	83	84	98	23
175°	90	89	84	72	43	8
180°	79	79	79	79	79	



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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6
2.5°	1045.8	1048.6	1049.6	1059.2	1055.4	1059.2	1052.5	1044.8	1042.9	1047.7	1041.9
5°	1041.9	1044.8	1045.8	1055.4	1051.5	1054.4	1048.6	1041.0	1039.1	1044.8	1039.1
7.5°	1034.3	1037.1	1038.1	1048.6	1043.9	1047.7	1041.0	1033.3	1032.3	1038.1	1032.3
10°	1024.7	1027.6	1028.5	1038.1	1034.3	1038.1	1031.4	1023.7	1022.8	1029.5	1023.7
12.5°	1011.3	1014.1	1016.1	1025.6	1020.8	1025.6	1018.0	1010.3	1011.3	1017.0	1013.2
15°	995.0	998.8	999.8	1009.3	1005.5	1010.3	1002.6	995.0	996.9	1002.6	998.8
17.5°	977.7	981.5	982.5	991.1	987.3	993.0	984.4	977.7	979.6	985.4	982.5
20°	956.6	960.5	962.4	971.0	967.2	972.9	964.3	958.5	960.5	967.2	964.3
22.5°	932.7	938.4	939.4	949.0	944.2	949.9	941.3	936.5	939.4	946.1	943.2
25°	907.7	913.5	914.4	924.0	920.2	925.0	916.4	911.6	915.4	922.1	920.2
27.5°	880.9	886.7	888.6	897.2	893.4	899.1	889.5	886.7	890.5	897.2	895.3
30°	852.1	857.9	858.9	867.5	864.6	870.4	861.7	857.9	863.6	870.4	868.4
32.5°	821.5	827.2	830.1	837.8	834.9	839.7	832.0	830.1	834.9	841.6	840.6
35°	789.8	795.6	798.5	807.1	803.3	808.1	800.4	798.5	806.1	810.9	810.9
37.5°	757.2	763.0	765.9	774.5	769.7	775.5	767.8	766.8	775.5	780.3	780.3
40°	722.7	729.5	732.3	740.0	736.2	741.0	734.2	735.2	742.9	748.6	749.6
42.5°	688.2	694.9	697.8	706.4	701.7	706.4	700.7	701.7	710.3	716.0	720.8
45°	652.8	658.5	661.4	671.0	665.2	671.0	665.2	667.1	675.8	684.4	690.2
47.5°	615.4	621.1	625.9	633.6	628.8	633.6	629.8	632.6	643.2	651.8	659.5
50°	578.0	583.8	588.5	595.3	590.5	597.2	592.4	596.2	609.6	618.3	626.9
52.5°	539.7	544.5	552.1	556.0	552.1	559.8	556.0	561.7	575.1	585.7	595.3
55°	501.3	506.1	513.8	516.7	512.8	521.4	518.6	526.2	540.6	552.1	562.7
57.5°	462.0	466.8	473.5	476.4	473.5	483.1	482.1	490.8	505.2	517.6	529.1
60°	421.8	426.6	432.3	435.2	435.2	444.8	444.8	455.3	470.6	482.1	495.6
62.5°	382.5	385.3	391.1	394.9	397.8	407.4	407.4	418.9	435.2	448.6	462.0
65°	341.2	344.1	348.9	353.7	358.5	369.0	370.0	382.5	398.8	412.2	427.5
67.5°	300.0	302.9	307.7	313.4	320.2	330.7	332.6	346.0	363.3	378.6	393.0
70°	259.8	260.7	266.5	274.1	281.8	292.4	295.2	309.6	327.8	343.2	358.5
72.5°	219.5	220.5	226.2	235.8	244.4	255.9	259.8	275.1	293.3	308.7	324.0
75°	179.2	180.2	187.9	199.4	209.0	219.5	224.3	240.6	258.8	275.1	292.4
77.5°	140.9	142.8	150.5	162.0	173.5	186.0	190.7	207.0	227.2	242.5	258.8
80°	105.4	107.4	116.0	128.4	140.9	152.4	158.2	174.5	195.5	210.9	229.1
82.5°	72.8	75.7	86.3	99.7	112.1	124.6	130.4	145.7	164.9	182.1	199.4
85°	45.1	48.9	59.4	73.8	87.2	98.7	104.5	120.8	139.0	155.3	171.6
87.5°	21.1	26.8	37.4	51.8	66.1	75.7	82.4	98.7	116.0	132.3	148.6
90°	0.0	8.6	19.2	33.5	47.9	56.6	64.2	79.6	96.8	112.1	127.5
92.5°	1.9	9.6	21.1	34.5	48.9	57.5	65.2	80.5	96.8	112.1	127.5
95°	4.8	10.5	22.0	36.4	50.8	59.4	66.1	81.5	97.8	113.1	127.5
97.5°	8.6	13.4	24.9	38.3	52.7	60.4	68.1	83.4	98.7	114.1	128.4
100°	11.5	15.3	26.8	40.3	54.6	62.3	70.0	84.4	99.7	115.0	128.4
102.5°	14.4	19.2	29.7	42.2	56.6	64.2	70.9	85.3	100.6	115.0	128.4
105°	18.2	22.0	31.6	45.1	58.5	66.1	72.8	87.2	101.6	116.0	128.4
107.5°	22.0	24.9	34.5	47.0	60.4	67.1	73.8	88.2	102.6	116.0	128.4
110°	26.8	28.8	37.4	48.9	61.3	69.0	75.7	89.1	102.6	116.0	128.4



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CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-3500K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.6	31.6	40.3	50.8	63.3	70.0	76.7	90.1	103.5	116.0	128.4
115°	35.5	36.4	43.1	52.7	65.2	71.9	77.6	90.1	103.5	116.0	127.5
117.5°	40.3	40.3	47.0	54.6	66.1	72.8	79.6	91.1	103.5	115.0	126.5
120°	45.1	44.1	49.8	57.5	68.1	73.8	80.5	92.0	103.5	115.0	125.6
122.5°	49.8	47.9	51.8	59.4	69.0	75.7	80.5	92.0	103.5	114.1	124.6
125°	53.7	51.8	54.6	62.3	70.9	76.7	81.5	92.0	103.5	113.1	123.7
127.5°	57.5	55.6	58.5	64.2	71.9	76.7	82.4	92.0	103.5	112.1	121.7
130°	61.3	58.5	62.3	66.1	73.8	77.6	82.4	92.0	102.6	111.2	119.8
132.5°	64.2	61.3	65.2	68.1	74.8	78.6	83.4	92.0	101.6	110.2	118.9
135°	66.1	63.3	68.1	70.0	76.7	80.5	84.4	92.0	100.6	109.3	116.9
137.5°	68.1	64.2	70.0	71.9	77.6	81.5	84.4	91.1	99.7	107.4	115.0
140°	69.0	66.1	71.9	73.8	76.7	80.5	84.4	90.1	97.8	105.4	112.1
142.5°	70.0	66.1	72.8	74.8	76.7	79.6	83.4	88.2	95.9	102.6	109.3
145°	70.0	67.1	72.8	74.8	76.7	78.6	81.5	87.2	93.0	98.7	105.4
147.5°	70.0	68.1	73.8	75.7	77.6	77.6	79.6	85.3	90.1	95.9	101.6
150°	70.9	68.1	73.8	75.7	78.6	78.6	79.6	82.4	88.2	92.0	96.8
152.5°	70.0	69.0	72.8	76.7	78.6	79.6	79.6	80.5	85.3	89.1	93.0
155°	70.9	70.9	73.8	78.6	79.6	79.6	80.5	79.6	81.5	85.3	89.1
157.5°	72.8	74.8	74.8	79.6	81.5	81.5	82.4	81.5	80.5	81.5	85.3
160°	75.7	77.6	77.6	80.5	83.4	83.4	84.4	83.4	82.4	81.5	81.5
162.5°	78.6	80.5	80.5	81.5	84.4	85.3	86.3	85.3	84.4	82.4	81.5
165°	81.5	83.4	83.4	83.4	85.3	86.3	87.2	86.3	86.3	84.4	83.4
167.5°	84.4	86.3	86.3	85.3	86.3	87.2	88.2	87.2	87.2	86.3	84.4
170°	87.2	89.1	89.1	87.2	88.2	88.2	89.1	88.2	88.2	86.3	85.3
172.5°	89.1	91.1	90.1	89.1	89.1	89.1	89.1	88.2	87.2	85.3	85.3
175°	90.1	92.0	92.0	90.1	89.1	89.1	90.1	88.2	87.2	86.3	84.4
177.5°	90.1	92.0	92.0	90.1	90.1	89.1	90.1	89.1	89.1	87.2	85.3
180°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6	1049.6
2.5°	1045.8	1044.8	1039.1	1045.8	1045.8	1043.9	1051.5	1050.6	1049.6	1047.7
5°	1041.9	1041.0	1035.2	1041.9	1041.9	1041.0	1048.6	1049.6	1050.6	1048.6
7.5°	1036.2	1035.2	1029.5	1036.2	1036.2	1035.2	1043.9	1044.8	1045.8	1042.9
10°	1027.6	1026.6	1020.8	1027.6	1028.5	1027.6	1034.3	1035.2	1037.1	1033.3
12.5°	1016.1	1016.1	1010.3	1017.0	1018.0	1017.0	1023.7	1025.6	1027.6	1022.8
15°	1001.7	1002.6	997.8	1004.6	1005.5	1005.5	1012.2	1013.2	1016.1	1009.3
17.5°	984.4	986.3	982.5	989.2	990.2	991.1	995.0	997.8	1000.7	993.0
20°	966.2	967.2	964.3	970.0	972.0	971.0	975.8	979.6	982.5	974.8
22.5°	944.2	945.1	942.2	948.0	949.9	950.9	954.7	959.5	961.4	954.7
25°	919.2	923.1	921.2	926.9	928.8	928.8	932.7	937.5	940.3	930.7
27.5°	895.3	900.1	898.2	903.9	905.8	906.8	908.7	914.4	917.3	908.7
30°	868.4	874.2	873.2	879.0	880.9	879.9	883.8	889.5	893.4	883.8
32.5°	838.7	846.4	845.4	853.1	855.0	856.0	858.9	866.5	870.4	861.7
35°	810.0	818.6	819.6	828.2	831.1	832.0	835.8	843.5	847.4	838.7
37.5°	780.3	791.8	794.6	803.3	806.1	807.1	810.9	819.6	823.4	814.8
40°	751.5	764.9	768.8	776.4	779.3	782.2	785.0	793.7	798.5	789.8
42.5°	722.7	737.1	741.9	749.6	752.5	755.3	759.2	768.8	772.6	764.9
45°	693.0	708.4	714.1	721.8	725.6	728.5	732.3	741.0	745.7	738.1
47.5°	663.3	678.6	684.4	693.0	696.9	700.7	703.6	714.1	718.9	711.2
50°	631.7	648.9	655.6	663.3	669.1	671.9	675.8	685.4	690.2	683.4
52.5°	600.0	618.3	625.9	633.6	639.3	644.1	646.1	656.6	661.4	654.7
55°	567.5	585.7	594.3	602.9	608.7	614.4	616.3	626.9	631.7	622.1
57.5°	534.9	554.0	562.7	572.2	577.0	583.8	586.6	596.2	601.0	594.3
60°	502.3	520.5	531.0	539.7	546.4	552.1	554.0	564.6	569.4	560.7
62.5°	468.7	487.9	498.4	508.0	513.8	520.5	523.4	532.9	536.8	528.2
65°	434.2	453.4	464.9	473.5	481.2	486.9	488.9	499.4	503.2	494.6
67.5°	399.7	418.9	431.3	440.9	447.6	454.3	456.3	466.8	470.6	463.9
70°	366.2	385.3	397.8	409.3	414.1	420.8	423.7	433.3	437.1	431.3
72.5°	332.6	351.8	365.2	376.7	381.5	388.2	392.0	399.7	405.5	400.7
75°	300.0	319.2	332.6	344.1	348.9	355.6	359.5	367.1	371.0	367.1
77.5°	268.4	287.6	300.0	311.5	317.3	323.0	326.9	334.5	339.3	335.5
80°	237.7	256.9	269.4	279.9	285.6	291.4	295.2	303.9	307.7	304.8
82.5°	209.0	227.2	240.6	251.1	256.9	262.6	266.5	274.1	278.9	275.1
85°	183.1	201.3	213.8	224.3	229.1	234.8	238.7	246.3	250.2	248.3
87.5°	158.2	174.5	188.8	199.4	204.2	209.9	214.7	220.5	225.3	222.4
90°	139.0	153.4	166.8	177.3	183.1	188.8	194.6	200.3	204.2	202.3
92.5°	139.9	153.4	165.8	175.4	181.2	186.9	192.7	199.4	202.3	200.3
95°	139.9	153.4	165.8	175.4	181.2	186.9	192.7	199.4	202.3	200.3
97.5°	139.9	153.4	165.8	175.4	181.2	186.9	192.7	199.4	202.3	199.4
100°	139.9	153.4	165.8	175.4	181.2	186.0	191.7	198.4	201.3	199.4
102.5°	139.9	153.4	164.9	174.5	180.2	185.0	190.7	197.5	200.3	198.4
105°	139.9	152.4	164.9	173.5	179.2	184.0	189.8	195.5	198.4	196.5
107.5°	139.0	151.4	163.0	172.5	177.3	182.1	187.9	193.6	196.5	194.6
110°	139.0	150.5	162.0	170.6	175.4	180.2	186.0	191.7	194.6	192.7



TEST NUMBER: P894213
 CATALOG NUMBER: 4MB-SC3-FLTU-UNV-CC83-MID-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	138.0	149.5	161.0	168.7	173.5	178.3	183.1	189.8	192.7	190.7
115°	137.1	148.6	159.1	166.8	171.6	175.4	181.2	187.9	189.8	188.8
117.5°	136.1	146.7	157.2	164.9	169.7	173.5	178.3	184.0	186.9	186.0
120°	135.2	144.7	155.3	162.0	166.8	170.6	174.5	180.2	183.1	181.2
122.5°	133.2	142.8	153.4	160.1	163.9	167.7	171.6	176.4	179.2	178.3
125°	131.3	140.9	150.5	157.2	161.0	163.9	167.7	172.5	174.5	173.5
127.5°	129.4	139.0	147.6	153.4	158.2	161.0	163.9	168.7	170.6	169.7
130°	127.5	136.1	144.7	150.5	154.3	157.2	160.1	164.9	165.8	165.8
132.5°	125.6	133.2	141.9	147.6	151.4	153.4	156.2	160.1	162.0	161.0
135°	123.7	130.4	139.0	143.8	146.7	149.5	152.4	156.2	157.2	157.2
137.5°	120.8	127.5	135.2	139.9	142.8	144.7	147.6	151.4	152.4	152.4
140°	117.9	124.6	131.3	135.2	139.0	140.9	142.8	146.7	147.6	147.6
142.5°	115.0	120.8	127.5	131.3	135.2	136.1	139.0	141.9	142.8	142.8
145°	111.2	117.9	123.7	127.5	130.4	131.3	134.2	137.1	137.1	138.0
147.5°	106.4	112.1	119.8	122.7	125.6	126.5	129.4	131.3	132.3	132.3
150°	101.6	107.4	114.1	118.9	121.7	122.7	123.7	126.5	126.5	127.5
152.5°	96.8	101.6	108.3	113.1	116.9	117.9	118.9	120.8	120.8	121.7
155°	92.0	95.9	101.6	106.4	110.2	112.1	114.1	116.0	116.0	116.9
157.5°	88.2	92.0	96.8	100.6	103.5	106.4	109.3	111.2	111.2	111.2
160°	83.4	86.3	91.1	93.9	97.8	99.7	104.5	106.4	106.4	107.4
162.5°	80.5	81.5	84.4	87.2	90.1	92.0	96.8	101.6	101.6	102.6
165°	81.5	80.5	81.5	82.4	84.4	85.3	88.2	94.9	96.8	97.8
167.5°	83.4	80.5	80.5	80.5	82.4	82.4	85.3	89.1	95.9	93.9
170°	83.4	80.5	78.6	78.6	79.6	78.6	80.5	83.4	87.2	91.1
172.5°	84.4	81.5	78.6	74.8	75.7	74.8	72.8	72.8	73.8	86.3
175°	83.4	81.5	77.6	72.8	71.9	69.0	63.3	58.5	55.6	43.1
177.5°	82.4	79.6	76.7	72.8	70.9	68.1	61.3	53.7	46.0	44.1
180°	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6



TEST NUMBER: P894213
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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	14.67	15.99	15.28	16.62	17.34	17.22	18.54	17.84	19.17	19.89
	3H	16.07	17.27	16.70	17.92	18.67	19.65	20.85	20.28	21.49	22.25
	4H	16.50	17.64	17.15	18.30	19.06	20.79	21.93	21.44	22.58	23.35
	6H	16.74	17.80	17.40	18.46	19.25	21.93	22.98	22.59	23.65	24.43
	8H	16.78	17.79	17.45	18.48	19.27	22.48	23.50	23.16	24.18	24.97
	12H	16.79	17.76	17.47	18.44	19.26	23.07	24.04	23.75	24.72	25.53
4H	2H	15.56	16.70	16.21	17.35	18.12	17.57	18.71	18.22	19.36	20.13
	3H	17.18	18.15	17.85	18.84	19.63	20.20	21.17	20.86	21.86	22.65
	4H	17.74	18.62	18.42	19.32	20.14	21.49	22.38	22.17	23.07	23.89
	6H	18.08	18.85	18.77	19.58	20.40	22.80	23.58	23.50	24.30	25.13
	8H	18.15	18.88	18.86	19.60	20.44	23.46	24.19	24.16	24.91	25.75
	12H	18.18	18.85	18.91	19.59	20.44	24.16	24.82	24.88	25.57	26.41
8H	4H	18.39	19.12	19.09	19.84	20.68	21.64	22.37	22.35	23.09	23.93
	6H	18.89	19.51	19.62	20.27	21.11	23.10	23.72	23.83	24.48	25.32
	8H	19.05	19.60	19.79	20.36	21.22	23.88	24.43	24.62	25.19	26.05
	12H	19.14	19.63	19.88	20.38	21.30	24.74	25.23	25.49	25.99	26.90
12H	4H	18.55	19.21	19.28	19.96	20.80	21.63	22.30	22.36	23.04	23.89
	6H	19.15	19.70	19.89	20.47	21.32	23.12	23.67	23.86	24.43	25.29
	8H	19.38	19.88	20.13	20.63	21.55	23.95	24.44	24.70	25.19	26.11