

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: P894318

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC83-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-SC3-RNDU-UNV-CC83-LOW-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 35
CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

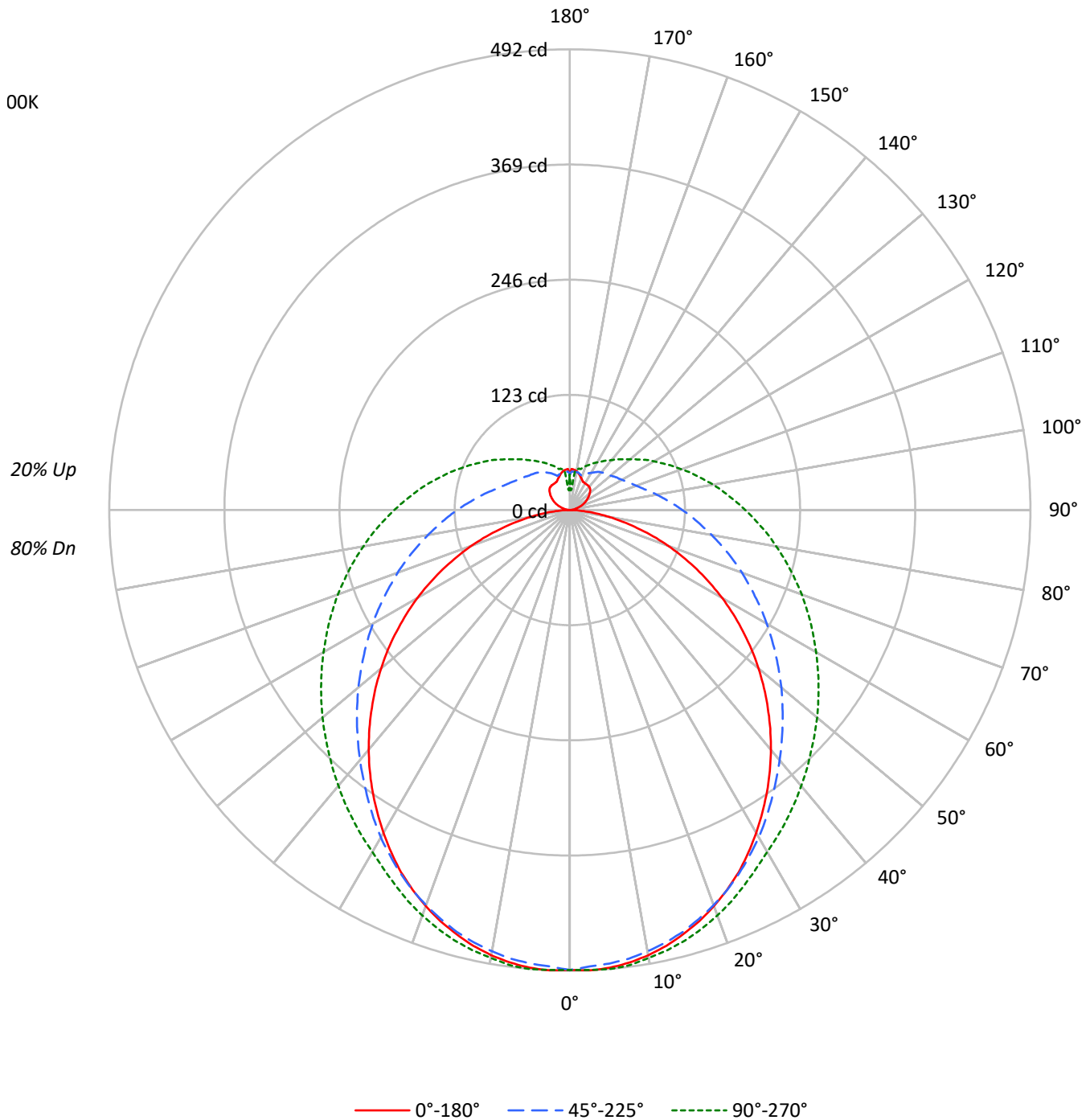
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2066.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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

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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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3495	3495	3495
5°	3489	3347	3354
10°	3456	3217	3199
15°	3405	3085	3056
20°	3344	2945	2909
25°	3270	2806	2762
30°	3175	2665	2631
35°	3077	2519	2535
40°	2973	2388	2447
45°	2860	2271	2369
50°	2741	2168	2310
55°	2605	2072	2257
60°	2451	1993	2218
65°	2264	1924	2196
70°	2031	1880	2189
75°	1720	1850	2198
80°	1343	1849	2233
85°	858	1897	2306

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2860 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	2.2
10°-20°	132.5	6.4
20°-30°	199.0	9.6
30°-40°	239.2	11.6
40°-50°	253.5	12.3
50°-60°	244.1	11.8
60°-70°	216.0	10.5
70°-80°	177.2	8.6
80°-90°	137.5	6.7
90°-100°	106.7	5.2
100°-110°	84.6	4.1
110°-120°	67.4	3.3
120°-130°	53.5	2.6
130°-140°	41.8	2.0
140°-150°	30.8	1.5
150°-160°	20.3	1.0
160°-170°	11.7	0.6
170°-180°	3.8	0.2
0°-30°	377.9	18.3
0°-40°	617.2	29.9
0°-60°	1114.8	54.0
0°-90°	1645.5	79.6
90°-120°	258.6	12.5
90°-150°	384.7	18.6
90°-180°	420.0	20.3
0°-180°	2066.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	491	491	491	491	491	
5°	491	491	486	490	492	47
15°	469	469	466	473	476	132
25°	427	428	428	439	442	196
35°	367	372	376	396	404	230
45°	299	306	322	352	364	231
55°	226	237	268	308	324	202
65°	150	170	218	264	284	148
75°	75	112	174	223	244	80
85°	17	68	136	186	205	19
90°	0	53	120	168	187	1
95°	2	44	106	152	171	2
105°	8	36	84	124	141	9
115°	17	34	70	101	115	16
125°	24	36	61	84	94	22
135°	31	38	55	70	77	24
145°	33	37	50	60	64	20
155°	33	39	42	51	54	16
165°	39	42	40	40	45	11
175°	44	43	41	34	23	4
180°	38	38	38	38	38	



TEST NUMBER: P894318

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2
2.5°	492.1	491.7	492.6	493.5	496.3	492.6	494.5	489.3	489.8	490.3	487.9
5°	490.7	489.3	490.7	491.7	494.0	491.2	493.1	487.5	487.9	488.9	486.1
7.5°	487.5	486.1	487.0	487.9	490.3	487.5	489.8	484.2	485.1	485.6	483.2
10°	482.8	480.9	481.8	483.2	485.1	482.8	484.7	479.5	480.0	480.9	478.6
12.5°	476.7	474.8	475.8	476.7	479.0	476.7	478.6	473.4	474.4	475.3	473.0
15°	468.8	466.9	467.8	468.8	470.6	469.2	471.1	466.0	466.9	468.8	466.4
17.5°	460.3	457.5	458.5	459.9	461.8	460.8	462.2	458.0	458.5	460.3	458.0
20°	450.1	447.3	448.2	449.6	451.5	451.0	451.9	448.2	449.1	451.5	449.1
22.5°	438.9	436.0	437.0	438.9	440.3	440.3	440.7	437.9	438.9	441.2	439.3
25°	426.7	423.9	424.8	426.7	428.1	428.1	429.0	426.2	427.6	430.0	428.1
27.5°	412.7	411.3	411.3	413.1	414.1	415.0	415.5	413.1	415.0	417.4	415.9
30°	398.2	396.3	397.3	399.6	399.6	401.5	401.5	399.6	401.9	404.7	403.8
32.5°	382.8	381.4	381.8	384.6	384.6	387.0	386.5	385.6	387.9	391.2	390.2
35°	367.3	365.9	366.4	369.2	369.2	372.0	371.1	371.1	373.4	377.2	376.2
37.5°	351.0	350.1	350.5	353.3	353.3	356.1	355.2	355.7	358.5	362.7	362.2
40°	334.2	333.2	334.2	336.5	337.4	339.8	338.8	339.8	343.5	347.2	348.7
42.5°	316.9	316.4	317.3	319.7	320.6	322.9	322.5	323.9	327.6	333.2	335.1
45°	299.1	299.1	300.0	302.4	303.3	306.1	305.7	307.5	312.2	318.3	321.5
47.5°	281.4	281.8	282.3	285.1	285.1	289.8	288.4	291.2	297.2	304.3	308.0
50°	263.1	264.1	264.5	266.9	267.8	272.0	271.1	275.7	282.3	289.8	294.9
52.5°	244.9	245.8	246.8	248.6	249.6	254.7	253.8	259.9	267.8	275.7	281.4
55°	225.7	227.6	228.1	230.4	231.8	237.0	237.0	244.0	252.4	261.3	268.3
57.5°	207.0	208.9	209.4	212.2	214.1	220.1	221.1	229.0	238.4	247.2	255.6
60°	187.9	190.2	190.7	193.5	196.8	203.3	204.7	213.6	223.9	233.2	243.0
62.5°	168.7	171.1	172.0	174.8	179.9	186.5	188.8	199.1	209.8	220.1	230.9
65°	149.6	151.9	153.3	157.0	163.1	170.1	173.4	184.1	196.3	207.0	218.3
67.5°	130.4	133.2	135.1	139.7	147.7	155.2	158.4	170.6	183.2	194.9	206.6
70°	111.7	114.5	116.8	122.9	132.3	139.7	143.9	157.0	170.1	182.7	195.8
72.5°	93.5	96.3	99.5	107.0	117.3	125.7	130.4	143.9	158.4	171.1	184.6
75°	74.8	78.0	81.8	92.1	103.8	112.2	117.3	131.8	146.8	159.4	173.9
77.5°	58.0	61.2	66.8	77.1	90.2	99.5	105.2	120.6	136.0	148.6	163.6
80°	42.5	45.8	53.3	64.5	78.0	86.9	93.9	109.8	125.7	138.8	153.8
82.5°	29.0	32.2	41.1	53.3	67.8	76.6	83.2	100.0	115.9	129.5	144.4
85°	16.8	21.5	30.8	43.9	58.9	67.8	74.3	91.6	107.0	120.6	136.0
87.5°	7.5	13.1	23.4	36.5	51.4	59.8	66.8	82.7	99.1	112.6	128.1
90°	0.5	7.5	18.2	30.8	45.3	53.3	59.8	75.7	91.1	105.2	120.1
92.5°	0.9	5.1	15.0	26.6	40.2	48.1	54.7	69.6	84.1	98.6	113.1
95°	2.3	5.1	13.1	23.8	36.5	43.9	50.0	64.5	78.0	92.1	106.1
97.5°	3.7	5.6	12.6	22.4	33.6	40.7	46.3	59.8	73.4	86.0	100.0
100°	5.1	7.0	12.6	21.5	31.8	38.3	43.5	56.1	68.7	80.4	94.4
102.5°	6.5	8.4	13.6	21.5	30.8	36.5	41.6	53.3	65.0	75.7	88.8
105°	8.4	9.8	14.5	21.5	29.9	35.5	39.7	50.5	61.7	72.0	83.7
107.5°	10.3	11.2	15.4	22.0	29.9	34.6	38.8	48.6	58.9	68.2	79.5
110°	12.6	13.1	16.8	22.9	29.9	34.1	37.9	47.2	56.6	65.4	75.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	14.5	14.5	18.2	23.8	29.9	34.1	37.4	45.8	54.7	62.6	72.4
115°	16.8	16.8	19.6	24.8	30.4	34.1	37.4	45.3	53.3	60.3	69.6
117.5°	18.7	18.7	21.5	25.7	31.3	34.6	37.4	44.4	51.9	58.4	66.8
120°	20.6	20.6	22.4	26.6	31.8	35.1	37.4	43.9	50.5	57.0	64.5
122.5°	22.4	22.4	23.8	28.0	32.2	35.1	37.4	43.5	49.5	55.1	62.2
125°	24.3	24.3	25.2	29.0	33.2	35.5	37.9	43.5	49.1	53.7	60.8
127.5°	26.2	25.7	27.1	30.4	33.6	36.0	38.3	43.5	48.1	52.8	58.9
130°	27.6	27.1	29.0	31.3	34.6	36.5	38.3	43.0	47.7	51.9	57.0
132.5°	29.4	28.5	30.8	31.8	35.5	37.4	38.8	43.0	47.2	50.9	56.1
135°	30.8	29.9	32.2	33.2	36.0	37.9	39.3	43.0	46.7	50.5	54.7
137.5°	31.8	31.3	33.6	34.6	36.5	38.3	39.7	43.0	46.3	49.5	53.7
140°	32.2	31.8	33.6	35.5	36.5	38.3	39.3	42.5	45.8	48.6	52.3
142.5°	32.7	32.7	34.1	36.0	36.5	37.9	39.3	42.1	44.9	47.2	51.4
145°	32.7	32.7	34.1	36.5	36.9	37.4	38.3	41.1	43.5	45.8	49.5
147.5°	32.7	32.7	34.6	36.5	37.4	37.9	37.4	40.2	42.5	44.4	47.7
150°	32.7	32.7	34.6	36.5	37.9	38.3	37.9	39.3	41.1	43.0	45.8
152.5°	33.2	33.2	34.6	36.5	37.9	38.3	38.3	38.3	39.7	41.6	44.4
155°	33.2	33.6	34.6	37.4	38.3	38.8	38.8	38.8	38.3	40.2	42.5
157.5°	34.6	35.1	35.5	37.9	38.8	39.3	39.3	39.3	38.8	38.3	40.7
160°	36.0	36.5	36.9	38.8	39.7	40.2	40.2	40.2	39.3	38.8	38.8
162.5°	37.4	38.3	38.3	39.3	40.2	40.7	40.7	41.1	40.2	39.7	39.3
165°	39.3	39.7	39.7	40.2	41.1	41.6	41.1	41.6	41.1	40.7	40.2
167.5°	40.7	41.1	41.1	41.6	41.6	42.1	42.1	42.1	41.6	41.1	41.1
170°	42.1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.1	41.1	41.1
172.5°	43.0	43.5	43.5	43.0	43.0	43.0	43.0	42.5	41.6	41.1	41.1
175°	43.5	43.9	43.9	43.5	43.0	43.0	43.0	42.5	41.6	41.1	41.1
177.5°	43.9	44.4	43.9	43.9	43.0	43.0	43.0	43.0	42.1	41.6	41.1
180°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2	491.2
2.5°	490.7	485.1	488.9	489.3	491.2	489.3	490.7	489.3	493.1	491.7
5°	488.9	483.7	487.0	487.5	489.8	487.5	489.8	488.9	493.5	492.1
7.5°	485.6	481.4	484.2	484.7	487.5	485.1	487.5	486.5	492.1	490.3
10°	480.9	477.6	480.4	480.9	483.7	481.4	483.2	482.3	488.4	485.6
12.5°	475.8	473.0	475.3	475.8	479.0	476.7	479.0	478.1	484.2	481.4
15°	468.3	466.9	469.2	470.2	473.4	471.6	473.9	473.0	479.5	475.8
17.5°	460.8	459.9	462.2	463.2	466.9	464.6	466.9	466.0	472.5	468.8
20°	451.5	451.0	453.3	454.7	458.0	455.7	458.5	457.5	464.6	460.8
22.5°	441.7	441.7	443.5	444.9	448.2	446.3	449.1	448.7	455.7	451.9
25°	430.9	431.4	433.2	435.1	438.9	437.4	439.8	439.8	446.3	441.7
27.5°	418.8	421.1	422.5	424.8	428.1	426.7	429.0	429.5	436.0	431.4
30°	406.1	409.4	410.8	413.6	416.4	416.4	418.8	419.7	426.2	421.6
32.5°	393.0	396.8	398.7	402.4	406.1	406.1	409.4	410.8	417.4	413.1
35°	380.0	385.1	387.4	392.1	395.9	396.3	399.6	401.5	408.0	403.8
37.5°	367.3	373.9	376.2	381.8	385.1	386.0	389.8	392.1	398.2	394.5
40°	354.3	362.2	365.0	371.1	373.9	375.8	379.5	382.3	387.9	384.6
42.5°	341.6	350.5	353.3	359.9	363.1	365.0	368.7	372.5	378.1	374.8
45°	329.0	338.8	342.1	349.1	351.9	354.7	358.9	362.2	367.3	364.5
47.5°	316.9	327.2	330.4	337.9	341.2	344.4	348.2	352.9	357.5	354.7
50°	304.3	315.0	319.2	327.2	330.0	333.7	338.4	342.6	347.2	344.9
52.5°	292.1	303.3	307.5	315.9	319.2	322.9	327.6	332.3	336.5	334.6
55°	279.0	291.2	295.8	304.7	308.0	311.7	316.9	322.0	325.7	324.3
57.5°	266.9	279.5	284.2	294.0	296.8	301.4	306.6	312.2	315.5	314.1
60°	254.7	267.3	272.9	282.8	286.0	290.7	295.8	301.9	304.7	303.8
62.5°	242.6	255.6	261.7	272.0	274.8	279.9	286.0	291.2	294.0	293.5
65°	231.3	244.0	251.0	261.3	264.1	269.7	275.3	280.9	283.7	283.7
67.5°	219.7	233.2	240.2	251.0	253.3	259.4	265.5	271.1	273.4	273.4
70°	208.9	222.0	229.9	240.7	243.0	248.6	255.2	261.3	263.1	263.6
72.5°	198.2	211.2	219.7	230.9	233.2	238.8	244.9	251.4	252.8	253.3
75°	187.9	201.0	209.4	220.6	222.9	228.5	235.1	241.2	243.0	243.5
77.5°	177.6	190.7	200.0	210.8	213.1	218.7	225.3	231.3	232.7	233.7
80°	168.2	180.9	189.7	201.4	203.8	209.4	215.5	221.5	222.5	223.9
82.5°	158.9	171.5	180.9	192.1	194.4	200.0	206.1	212.2	213.1	215.0
85°	150.0	162.6	172.0	182.7	185.5	190.7	197.2	202.8	203.8	205.2
87.5°	142.1	153.8	163.6	173.9	176.7	181.8	188.3	194.0	194.4	196.3
90°	133.7	145.3	155.2	165.4	168.2	172.9	179.5	185.1	186.0	187.4
92.5°	126.7	137.4	147.7	157.5	159.8	165.0	171.1	176.7	177.6	179.0
95°	119.2	129.9	140.2	149.6	151.9	157.0	162.6	168.2	169.2	170.6
97.5°	112.6	122.9	132.7	142.1	144.4	149.1	155.2	160.3	161.2	163.1
100°	106.6	116.4	126.7	135.1	137.4	142.1	147.7	152.8	153.8	155.6
102.5°	100.9	110.3	120.1	128.1	130.9	135.1	140.7	145.3	146.3	147.7
105°	95.8	104.7	114.0	121.5	124.3	128.5	133.7	138.3	139.3	140.7
107.5°	90.7	99.1	108.0	115.4	117.8	121.5	126.7	131.3	132.3	134.1
110°	86.0	94.4	102.8	109.8	112.6	115.4	120.6	124.8	125.7	127.1



TEST NUMBER: P894318

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC83-LOW-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	81.8	89.3	97.7	104.2	106.6	109.8	114.0	118.2	119.2	121.0
115°	78.0	85.1	93.5	99.5	101.4	104.2	108.9	112.6	113.6	115.0
117.5°	74.8	80.9	88.3	94.4	96.7	99.1	103.3	106.6	108.0	108.9
120°	72.0	77.6	84.1	89.7	92.5	94.4	98.1	101.4	102.8	103.8
122.5°	69.2	74.3	80.4	85.5	87.9	89.3	93.5	96.3	97.7	99.1
125°	66.8	71.5	77.1	81.3	83.7	85.1	88.8	91.6	93.0	93.9
127.5°	64.5	68.7	74.3	77.6	79.9	80.9	84.1	86.9	88.3	88.8
130°	62.2	66.4	71.0	74.3	76.2	77.6	80.4	82.3	83.7	84.1
132.5°	60.3	64.0	68.2	71.5	73.4	73.8	76.6	78.5	79.9	80.4
135°	58.9	61.7	65.9	68.7	70.1	71.0	73.4	74.8	76.2	76.6
137.5°	57.0	59.8	63.6	65.4	67.3	67.8	70.1	71.5	72.9	73.4
140°	55.6	58.0	61.2	63.1	65.0	65.0	66.8	68.2	69.6	69.6
142.5°	54.2	56.6	59.4	61.2	62.6	62.6	64.5	65.4	66.8	66.8
145°	52.3	54.7	57.5	58.9	60.3	60.3	61.7	62.6	64.0	64.0
147.5°	50.5	52.8	55.6	56.6	58.0	58.0	59.4	60.3	61.2	61.2
150°	48.1	50.0	53.3	54.7	56.1	56.1	57.0	58.0	58.9	58.9
152.5°	46.3	47.7	50.5	52.3	53.7	53.7	54.7	55.6	56.6	56.6
155°	43.9	45.3	47.7	50.0	51.4	51.9	52.8	53.3	54.2	54.2
157.5°	42.1	43.5	45.3	47.2	48.6	49.5	50.9	51.4	51.9	51.9
160°	39.7	40.7	42.5	44.4	45.8	46.7	49.1	49.5	50.0	50.0
162.5°	38.8	38.8	39.7	41.1	42.5	43.0	45.3	47.2	48.1	47.7
165°	39.3	38.8	38.8	39.3	40.2	40.7	42.1	44.9	45.8	45.3
167.5°	40.2	39.3	38.8	38.8	39.7	39.7	41.1	43.5	46.3	45.3
170°	40.2	38.8	37.9	37.9	38.3	38.3	39.3	40.7	43.5	43.9
172.5°	39.7	38.8	37.4	35.5	36.0	35.5	35.1	36.0	36.5	41.1
175°	40.2	38.8	37.4	35.1	34.1	32.7	30.4	28.5	28.0	22.9
177.5°	39.7	38.3	36.5	34.6	33.6	31.8	29.0	25.7	23.8	21.0
180°	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9



TEST NUMBER: P894318
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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	11.28	12.59	11.92	13.26	14.02	14.82	16.13	15.46	16.80	17.57
	3H	12.63	13.83	13.28	14.50	15.30	17.74	18.94	18.40	19.61	20.42
	4H	13.03	14.17	13.70	14.86	15.67	19.22	20.36	19.89	21.04	21.86
	6H	13.25	14.31	13.93	15.01	15.84	20.77	21.84	21.46	22.53	23.36
	8H	13.28	14.30	13.98	15.02	15.85	21.58	22.60	22.28	23.32	24.15
	12H	13.29	14.26	13.99	14.97	15.84	22.46	23.44	23.17	24.15	25.01
4H	2H	12.42	13.56	13.10	14.25	15.06	15.14	16.28	15.82	16.97	17.78
	3H	14.06	15.04	14.75	15.76	16.60	18.29	19.27	18.98	19.99	20.83
	4H	14.63	15.53	15.34	16.26	17.12	19.94	20.84	20.65	21.57	22.43
	6H	14.97	15.77	15.69	16.52	17.39	21.71	22.51	22.44	23.26	24.13
	8H	15.05	15.80	15.77	16.54	17.43	22.65	23.40	23.37	24.15	25.03
	12H	15.07	15.76	15.82	16.53	17.42	23.67	24.36	24.42	25.13	26.02
8H	4H	15.72	16.47	16.44	17.22	18.10	20.12	20.87	20.84	21.62	22.50
	6H	16.33	16.97	17.08	17.75	18.64	22.07	22.71	22.82	23.50	24.38
	8H	16.52	17.10	17.29	17.89	18.79	23.15	23.73	23.92	24.52	25.42
	12H	16.64	17.15	17.41	17.93	18.89	24.37	24.89	25.14	25.67	26.62
12H	4H	16.07	16.76	16.82	17.53	18.42	20.11	20.80	20.86	21.57	22.46
	6H	16.85	17.43	17.61	18.22	19.11	22.10	22.68	22.86	23.47	24.36
	8H	17.18	17.70	17.95	18.47	19.43	23.25	23.76	24.02	24.54	25.50