

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: P894327

Luminaire Tested: 4MB-SC3-RNDU-UNV-CC93-LOW-3500K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P894327
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-CC93-LOW-3500K
Description: Selectable 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 35
CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

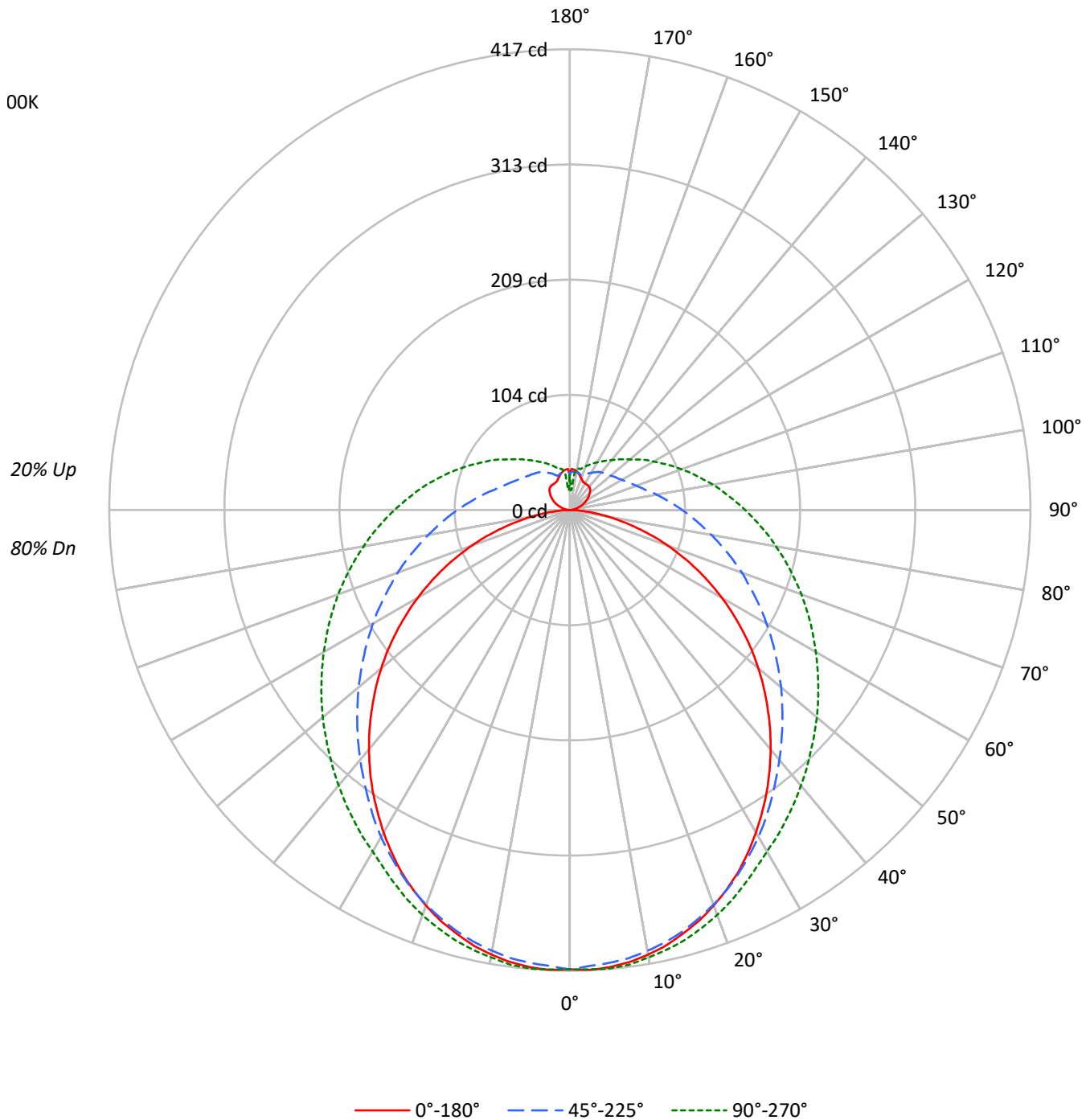
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 104.7 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°	2958	2958	2958
5°	2953	2834	2839
10°	2926	2723	2708
15°	2882	2612	2587
20°	2831	2493	2463
25°	2768	2375	2338
30°	2688	2255	2228
35°	2606	2133	2146
40°	2517	2022	2072
45°	2421	1923	2006
50°	2321	1835	1955
55°	2206	1754	1911
60°	2076	1687	1878
65°	1916	1629	1859
70°	1720	1592	1852
75°	1456	1566	1861
80°	1137	1566	1890
85°	725	1606	1952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	2.2
10°-20°	112.2	6.4
20°-30°	168.4	9.6
30°-40°	202.5	11.6
40°-50°	214.6	12.3
50°-60°	206.7	11.8
60°-70°	182.9	10.5
70°-80°	150.0	8.6
80°-90°	116.4	6.7
90°-100°	90.3	5.2
100°-110°	71.6	4.1
110°-120°	57.0	3.3
120°-130°	45.3	2.6
130°-140°	35.4	2.0
140°-150°	26.0	1.5
150°-160°	17.2	1.0
160°-170°	9.9	0.6
170°-180°	3.2	0.2
0°-30°	319.9	18.3
0°-40°	522.5	29.9
0°-60°	943.7	54.0
0°-90°	1393.0	79.6
90°-120°	219.0	12.5
90°-150°	325.7	18.6
90°-180°	356.0	20.4
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	415	416	412	415	417	39
15°	397	397	395	401	403	112
25°	361	362	362	372	374	166
35°	311	315	318	335	342	194
45°	253	259	272	298	309	195
55°	191	201	227	261	275	171
65°	127	144	185	224	240	125
75°	63	95	147	189	206	68
85°	14	57	115	157	174	16
90°	0	45	102	142	159	1
95°	2	37	90	129	144	2
105°	7	30	71	105	119	8
115°	14	29	59	86	97	14
125°	21	30	51	71	80	18
135°	26	32	46	59	65	20
145°	28	32	42	51	54	17
155°	28	33	36	44	46	13
165°	33	35	34	34	38	9
175°	37	36	35	29	19	3
180°	32	32	32	32	32	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
2.5°	416.6	416.2	417.0	417.8	420.2	417.0	418.6	414.2	414.6	415.0	413.1
5°	415.4	414.2	415.4	416.2	418.2	415.8	417.4	412.7	413.1	413.8	411.5
7.5°	412.7	411.5	412.3	413.1	415.0	412.7	414.6	409.9	410.7	411.1	409.1
10°	408.7	407.1	407.9	409.1	410.7	408.7	410.3	405.9	406.3	407.1	405.1
12.5°	403.6	402.0	402.8	403.6	405.5	403.6	405.1	400.8	401.6	402.4	400.4
15°	396.8	395.3	396.0	396.8	398.4	397.2	398.8	394.5	395.3	396.8	394.9
17.5°	389.7	387.3	388.1	389.3	390.9	390.1	391.3	387.7	388.1	389.7	387.7
20°	381.0	378.6	379.4	380.6	382.2	381.8	382.6	379.4	380.2	382.2	380.2
22.5°	371.5	369.1	369.9	371.5	372.7	372.7	373.1	370.7	371.5	373.5	371.9
25°	361.2	358.9	359.6	361.2	362.4	362.4	363.2	360.8	362.0	364.0	362.4
27.5°	349.4	348.2	348.2	349.8	350.5	351.3	351.7	349.8	351.3	353.3	352.1
30°	337.1	335.5	336.3	338.3	338.3	339.9	339.9	338.3	340.3	342.6	341.8
32.5°	324.0	322.8	323.2	325.6	325.6	327.6	327.2	326.4	328.4	331.2	330.4
35°	311.0	309.8	310.2	312.6	312.6	314.9	314.1	314.1	316.1	319.3	318.5
37.5°	297.1	296.3	296.7	299.1	299.1	301.5	300.7	301.1	303.5	307.0	306.6
40°	282.9	282.1	282.9	284.9	285.7	287.6	286.8	287.6	290.8	294.0	295.2
42.5°	268.3	267.9	268.6	270.6	271.4	273.4	273.0	274.2	277.4	282.1	283.7
45°	253.2	253.2	254.0	256.0	256.8	259.2	258.8	260.3	264.3	269.4	272.2
47.5°	238.2	238.6	239.0	241.3	241.3	245.3	244.1	246.5	251.6	257.6	260.7
50°	222.8	223.5	223.9	225.9	226.7	230.3	229.5	233.4	239.0	245.3	249.7
52.5°	207.3	208.1	208.9	210.5	211.3	215.6	214.8	220.0	226.7	233.4	238.2
55°	191.1	192.7	193.1	195.1	196.2	200.6	200.6	206.5	213.7	221.2	227.1
57.5°	175.3	176.9	177.3	179.6	181.2	186.4	187.1	193.9	201.8	209.3	216.4
60°	159.1	161.0	161.4	163.8	166.6	172.1	173.3	180.8	189.5	197.4	205.7
62.5°	142.8	144.8	145.6	148.0	152.3	157.9	159.8	168.5	177.6	186.4	195.5
65°	126.6	128.6	129.8	132.9	138.1	144.0	146.8	155.9	166.2	175.3	184.8
67.5°	110.4	112.8	114.3	118.3	125.0	131.4	134.1	144.4	155.1	165.0	174.9
70°	94.6	96.9	98.9	104.1	112.0	118.3	121.9	132.9	144.0	154.7	165.8
72.5°	79.1	81.5	84.3	90.6	99.3	106.4	110.4	121.9	134.1	144.8	156.3
75°	63.3	66.1	69.2	77.9	87.8	95.0	99.3	111.6	124.2	134.9	147.2
77.5°	49.1	51.8	56.6	65.3	76.4	84.3	89.0	102.1	115.1	125.8	138.5
80°	36.0	38.8	45.1	54.6	66.1	73.6	79.5	93.0	106.4	117.5	130.2
82.5°	24.5	27.3	34.8	45.1	57.4	64.9	70.4	84.7	98.1	109.6	122.3
85°	14.2	18.2	26.1	37.2	49.9	57.4	62.9	77.5	90.6	102.1	115.1
87.5°	6.3	11.1	19.8	30.9	43.5	50.6	56.6	70.0	83.9	95.4	108.4
90°	0.4	6.3	15.4	26.1	38.4	45.1	50.6	64.1	77.2	89.0	101.7
92.5°	0.8	4.4	12.7	22.6	34.0	40.8	46.3	59.0	71.2	83.5	95.7
95°	2.0	4.4	11.1	20.2	30.9	37.2	42.3	54.6	66.1	77.9	89.8
97.5°	3.2	4.7	10.7	19.0	28.5	34.4	39.2	50.6	62.1	72.8	84.7
100°	4.4	5.9	10.7	18.2	26.9	32.4	36.8	47.5	58.2	68.1	79.9
102.5°	5.5	7.1	11.5	18.2	26.1	30.9	35.2	45.1	55.0	64.1	75.2
105°	7.1	8.3	12.3	18.2	25.3	30.1	33.6	42.7	52.2	60.9	70.8
107.5°	8.7	9.5	13.1	18.6	25.3	29.3	32.8	41.1	49.9	57.8	67.3
110°	10.7	11.1	14.2	19.4	25.3	28.9	32.0	40.0	47.9	55.4	64.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	12.3	12.3	15.4	20.2	25.3	28.9	31.7	38.8	46.3	53.0	61.3
115°	14.2	14.2	16.6	21.0	25.7	28.9	31.7	38.4	45.1	51.0	59.0
117.5°	15.8	15.8	18.2	21.8	26.5	29.3	31.7	37.6	43.9	49.5	56.6
120°	17.4	17.4	19.0	22.6	26.9	29.7	31.7	37.2	42.7	48.3	54.6
122.5°	19.0	19.0	20.2	23.7	27.3	29.7	31.7	36.8	41.9	46.7	52.6
125°	20.6	20.6	21.4	24.5	28.1	30.1	32.0	36.8	41.5	45.5	51.4
127.5°	22.2	21.8	22.9	25.7	28.5	30.5	32.4	36.8	40.8	44.7	49.9
130°	23.3	22.9	24.5	26.5	29.3	30.9	32.4	36.4	40.4	43.9	48.3
132.5°	24.9	24.1	26.1	26.9	30.1	31.7	32.8	36.4	40.0	43.1	47.5
135°	26.1	25.3	27.3	28.1	30.5	32.0	33.2	36.4	39.6	42.7	46.3
137.5°	26.9	26.5	28.5	29.3	30.9	32.4	33.6	36.4	39.2	41.9	45.5
140°	27.3	26.9	28.5	30.1	30.9	32.4	33.2	36.0	38.8	41.1	44.3
142.5°	27.7	27.7	28.9	30.5	30.9	32.0	33.2	35.6	38.0	40.0	43.5
145°	27.7	27.7	28.9	30.9	31.3	31.7	32.4	34.8	36.8	38.8	41.9
147.5°	27.7	27.7	29.3	30.9	31.7	32.0	31.7	34.0	36.0	37.6	40.4
150°	27.7	27.7	29.3	30.9	32.0	32.4	32.0	33.2	34.8	36.4	38.8
152.5°	28.1	28.1	29.3	30.9	32.0	32.4	32.4	32.4	33.6	35.2	37.6
155°	28.1	28.5	29.3	31.7	32.4	32.8	32.8	32.8	32.4	34.0	36.0
157.5°	29.3	29.7	30.1	32.0	32.8	33.2	33.2	33.2	32.8	32.4	34.4
160°	30.5	30.9	31.3	32.8	33.6	34.0	34.0	34.0	33.2	32.8	32.8
162.5°	31.7	32.4	32.4	33.2	34.0	34.4	34.4	34.8	34.0	33.6	33.2
165°	33.2	33.6	33.6	34.0	34.8	35.2	34.8	35.2	34.8	34.4	34.0
167.5°	34.4	34.8	34.8	35.2	35.2	35.6	35.6	35.6	35.2	34.8	34.8
170°	35.6	36.0	36.0	36.0	36.0	36.0	36.0	36.0	35.6	34.8	34.8
172.5°	36.4	36.8	36.8	36.4	36.4	36.4	36.4	36.0	35.2	34.8	34.8
175°	36.8	37.2	37.2	36.8	36.4	36.4	36.4	36.0	35.2	34.8	34.8
177.5°	37.2	37.6	37.2	37.2	36.4	36.4	36.4	36.4	35.6	35.2	34.8
180°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8	415.8
2.5°	415.4	410.7	413.8	414.2	415.8	414.2	415.4	414.2	417.4	416.2
5°	413.8	409.5	412.3	412.7	414.6	412.7	414.6	413.8	417.8	416.6
7.5°	411.1	407.5	409.9	410.3	412.7	410.7	412.7	411.9	416.6	415.0
10°	407.1	404.4	406.7	407.1	409.5	407.5	409.1	408.3	413.5	411.1
12.5°	402.8	400.4	402.4	402.8	405.5	403.6	405.5	404.7	409.9	407.5
15°	396.4	395.3	397.2	398.0	400.8	399.2	401.2	400.4	405.9	402.8
17.5°	390.1	389.3	391.3	392.1	395.3	393.3	395.3	394.5	400.0	396.8
20°	382.2	381.8	383.8	385.0	387.7	385.8	388.1	387.3	393.3	390.1
22.5°	373.9	373.9	375.5	376.7	379.4	377.8	380.2	379.8	385.8	382.6
25°	364.8	365.2	366.8	368.3	371.5	370.3	372.3	372.3	377.8	373.9
27.5°	354.5	356.5	357.7	359.6	362.4	361.2	363.2	363.6	369.1	365.2
30°	343.8	346.6	347.8	350.1	352.5	352.5	354.5	355.3	360.8	356.9
32.5°	332.7	335.9	337.5	340.7	343.8	343.8	346.6	347.8	353.3	349.8
35°	321.7	326.0	328.0	331.9	335.1	335.5	338.3	339.9	345.4	341.8
37.5°	311.0	316.5	318.5	323.2	326.0	326.8	330.0	331.9	337.1	333.9
40°	299.9	306.6	309.0	314.1	316.5	318.1	321.3	323.6	328.4	325.6
42.5°	289.2	296.7	299.1	304.7	307.4	309.0	312.2	315.3	320.1	317.3
45°	278.5	286.8	289.6	295.6	297.9	300.3	303.9	306.6	311.0	308.6
47.5°	268.3	277.0	279.7	286.1	288.8	291.6	294.8	298.7	302.7	300.3
50°	257.6	266.7	270.2	277.0	279.3	282.5	286.5	290.0	294.0	292.0
52.5°	247.3	256.8	260.3	267.5	270.2	273.4	277.4	281.3	284.9	283.3
55°	236.2	246.5	250.4	258.0	260.7	263.9	268.3	272.6	275.8	274.6
57.5°	225.9	236.6	240.6	248.9	251.2	255.2	259.5	264.3	267.1	265.9
60°	215.6	226.3	231.1	239.4	242.1	246.1	250.4	255.6	258.0	257.2
62.5°	205.3	216.4	221.6	230.3	232.6	237.0	242.1	246.5	248.9	248.5
65°	195.8	206.5	212.5	221.2	223.5	228.3	233.0	237.8	240.2	240.2
67.5°	186.0	197.4	203.4	212.5	214.4	219.6	224.7	229.5	231.5	231.5
70°	176.9	187.9	194.7	203.8	205.7	210.5	216.0	221.2	222.8	223.1
72.5°	167.8	178.8	186.0	195.5	197.4	202.2	207.3	212.9	214.0	214.4
75°	159.1	170.1	177.3	186.7	188.7	193.5	199.0	204.2	205.7	206.1
77.5°	150.3	161.4	169.3	178.4	180.4	185.2	190.7	195.8	197.0	197.8
80°	142.4	153.1	160.6	170.5	172.5	177.3	182.4	187.5	188.3	189.5
82.5°	134.5	145.2	153.1	162.6	164.6	169.3	174.5	179.6	180.4	182.0
85°	127.0	137.7	145.6	154.7	157.1	161.4	167.0	171.7	172.5	173.7
87.5°	120.3	130.2	138.5	147.2	149.6	153.9	159.4	164.2	164.6	166.2
90°	113.2	123.0	131.4	140.1	142.4	146.4	151.9	156.7	157.5	158.7
92.5°	107.2	116.3	125.0	133.3	135.3	139.7	144.8	149.6	150.3	151.5
95°	100.9	110.0	118.7	126.6	128.6	132.9	137.7	142.4	143.2	144.4
97.5°	95.4	104.1	112.4	120.3	122.3	126.2	131.4	135.7	136.5	138.1
100°	90.2	98.5	107.2	114.3	116.3	120.3	125.0	129.4	130.2	131.8
102.5°	85.5	93.4	101.7	108.4	110.8	114.3	119.1	123.0	123.8	125.0
105°	81.1	88.6	96.5	102.9	105.2	108.8	113.2	117.1	117.9	119.1
107.5°	76.8	83.9	91.4	97.7	99.7	102.9	107.2	111.2	112.0	113.6
110°	72.8	79.9	87.0	93.0	95.4	97.7	102.1	105.6	106.4	107.6



TEST NUMBER: P894327

CATALOG NUMBER: 4MB-SC3-RNDU-UNV-CC93-LOW-3500K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.2	75.6	82.7	88.2	90.2	93.0	96.5	100.1	100.9	102.5
115°	66.1	72.0	79.1	84.3	85.9	88.2	92.2	95.4	96.1	97.3
117.5°	63.3	68.4	74.8	79.9	81.9	83.9	87.4	90.2	91.4	92.2
120°	60.9	65.7	71.2	76.0	78.3	79.9	83.1	85.9	87.0	87.8
122.5°	58.6	62.9	68.1	72.4	74.4	75.6	79.1	81.5	82.7	83.9
125°	56.6	60.5	65.3	68.8	70.8	72.0	75.2	77.5	78.7	79.5
127.5°	54.6	58.2	62.9	65.7	67.7	68.4	71.2	73.6	74.8	75.2
130°	52.6	56.2	60.1	62.9	64.5	65.7	68.1	69.6	70.8	71.2
132.5°	51.0	54.2	57.8	60.5	62.1	62.5	64.9	66.5	67.7	68.1
135°	49.9	52.2	55.8	58.2	59.3	60.1	62.1	63.3	64.5	64.9
137.5°	48.3	50.6	53.8	55.4	57.0	57.4	59.3	60.5	61.7	62.1
140°	47.1	49.1	51.8	53.4	55.0	55.0	56.6	57.8	59.0	59.0
142.5°	45.9	47.9	50.2	51.8	53.0	53.0	54.6	55.4	56.6	56.6
145°	44.3	46.3	48.7	49.9	51.0	51.0	52.2	53.0	54.2	54.2
147.5°	42.7	44.7	47.1	47.9	49.1	49.1	50.2	51.0	51.8	51.8
150°	40.8	42.3	45.1	46.3	47.5	47.5	48.3	49.1	49.9	49.9
152.5°	39.2	40.4	42.7	44.3	45.5	45.5	46.3	47.1	47.9	47.9
155°	37.2	38.4	40.4	42.3	43.5	43.9	44.7	45.1	45.9	45.9
157.5°	35.6	36.8	38.4	40.0	41.1	41.9	43.1	43.5	43.9	43.9
160°	33.6	34.4	36.0	37.6	38.8	39.6	41.5	41.9	42.3	42.3
162.5°	32.8	32.8	33.6	34.8	36.0	36.4	38.4	40.0	40.8	40.4
165°	33.2	32.8	32.8	33.2	34.0	34.4	35.6	38.0	38.8	38.4
167.5°	34.0	33.2	32.8	32.8	33.6	33.6	34.8	36.8	39.2	38.4
170°	34.0	32.8	32.0	32.0	32.4	32.4	33.2	34.4	36.8	37.2
172.5°	33.6	32.8	31.7	30.1	30.5	30.1	29.7	30.5	30.9	34.8
175°	34.0	32.8	31.7	29.7	28.9	27.7	25.7	24.1	23.7	19.4
177.5°	33.6	32.4	30.9	29.3	28.5	26.9	24.5	21.8	20.2	17.8
180°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0



TEST NUMBER: P894327
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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	10.70	12.01	11.34	12.68	13.44	14.24	15.55	14.89	16.22	16.99
	3H	12.05	13.25	12.70	13.92	14.72	17.16	18.36	17.82	19.03	19.84
	4H	12.45	13.59	13.12	14.28	15.09	18.64	19.78	19.31	20.46	21.28
	6H	12.67	13.73	13.35	14.43	15.26	20.20	21.26	20.88	21.95	22.78
	8H	12.70	13.72	13.40	14.44	15.27	21.00	22.02	21.70	22.74	23.57
	12H	12.71	13.68	13.41	14.39	15.26	21.88	22.86	22.59	23.57	24.43
4H	2H	11.84	12.98	12.52	13.67	14.48	14.56	15.70	15.24	16.39	17.20
	3H	13.48	14.46	14.17	15.18	16.02	17.71	18.69	18.40	19.41	20.25
	4H	14.05	14.95	14.76	15.68	16.54	19.36	20.27	20.07	20.99	21.85
	6H	14.39	15.19	15.12	15.94	16.81	21.14	21.93	21.86	22.68	23.55
	8H	14.47	15.22	15.19	15.97	16.85	22.07	22.82	22.80	23.57	24.45
	12H	14.49	15.18	15.24	15.95	16.84	23.09	23.78	23.84	24.55	25.44
8H	4H	15.14	15.89	15.86	16.64	17.52	19.54	20.29	20.26	21.04	21.92
	6H	15.75	16.39	16.50	17.18	18.06	21.49	22.13	22.24	22.92	23.80
	8H	15.94	16.52	16.71	17.31	18.21	22.57	23.15	23.34	23.94	24.84
	12H	16.06	16.58	16.83	17.35	18.31	23.79	24.31	24.56	25.09	26.04
12H	4H	15.49	16.18	16.24	16.95	17.84	19.53	20.22	20.28	20.99	21.88
	6H	16.27	16.85	17.04	17.64	18.54	21.52	22.10	22.29	22.89	23.79
	8H	16.60	17.12	17.37	17.90	18.85	22.67	23.18	23.44	23.96	24.92