

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: P893341

Luminaire Tested: 4MB-2SL-RNDU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893341
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-2SL-RNDU-UNV-L930
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 90CRI, 5
Light Source: -
Ballast/Driver: -

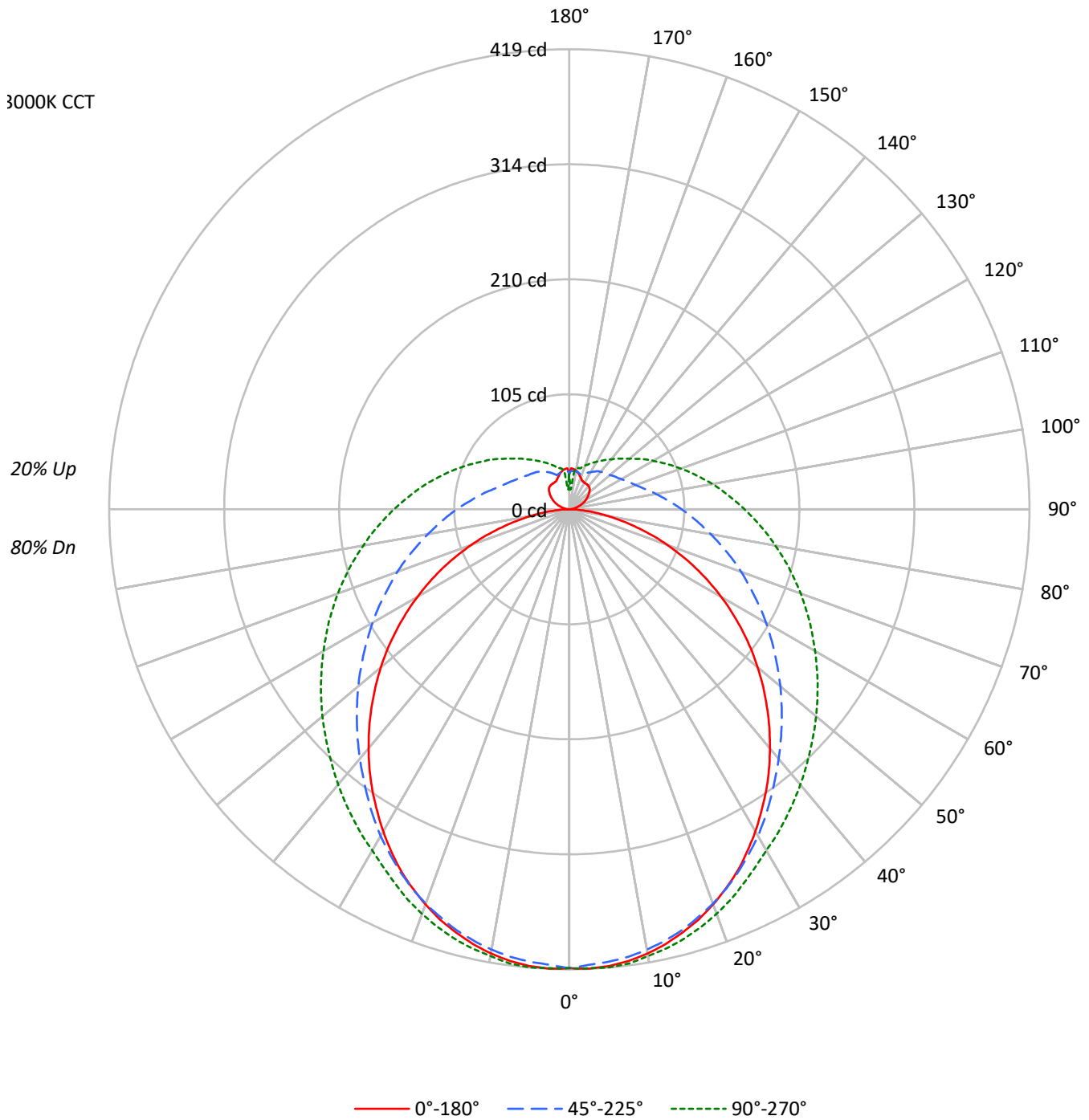
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1758.0 lumens
Efficiency: N/A
Efficacy: 127.4 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): 13.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
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°	2974	2974	2974
5°	2969	2848	2854
10°	2941	2737	2722
15°	2898	2625	2600
20°	2846	2507	2475
25°	2783	2387	2350
30°	2702	2267	2239
35°	2619	2143	2157
40°	2529	2032	2082
45°	2433	1933	2016
50°	2333	1844	1965
55°	2217	1763	1921
60°	2086	1696	1887
65°	1927	1637	1869
70°	1728	1600	1862
75°	1463	1573	1871
80°	1144	1573	1900
85°	730	1614	1963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2433 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.5	2.2
10°-20°	112.8	6.4
20°-30°	169.3	9.6
30°-40°	203.6	11.6
40°-50°	215.7	12.3
50°-60°	207.7	11.8
60°-70°	183.8	10.5
70°-80°	150.8	8.6
80°-90°	117.0	6.7
90°-100°	90.8	5.2
100°-110°	72.0	4.1
110°-120°	57.3	3.3
120°-130°	45.5	2.6
130°-140°	35.6	2.0
140°-150°	26.2	1.5
150°-160°	17.3	1.0
160°-170°	10.0	0.6
170°-180°	3.2	0.2
0°-30°	321.6	18.3
0°-40°	525.2	29.9
0°-60°	948.6	54.0
0°-90°	1400.2	79.6
90°-120°	220.1	12.5
90°-150°	327.3	18.6
90°-180°	358.0	20.4
0°-180°	1758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	418	418	418	418	418	
5°	418	418	414	417	419	40
15°	399	399	397	403	405	112
25°	363	364	364	373	376	167
35°	313	317	320	337	344	195
45°	254	260	274	300	310	196
55°	192	202	228	262	276	172
65°	127	145	186	225	241	126
75°	64	95	148	190	207	68
85°	14	58	116	158	175	16
90°	0	45	102	143	160	1
95°	2	37	90	129	145	2
105°	7	30	71	106	120	8
115°	14	29	59	86	98	14
125°	21	30	52	71	80	18
135°	26	32	46	60	65	20
145°	28	32	42	51	54	17
155°	28	33	36	44	46	13
165°	33	35	34	34	39	9
175°	37	37	35	29	20	3
180°	32	32	32	32	32	



TEST NUMBER: P893341
 CATALOG NUMBER: 4MB-2SL-RNDU-UNV-L930

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
2.5°	418.8	418.4	419.2	420.0	422.3	419.2	420.8	416.4	416.8	417.2	415.2
5°	417.6	416.4	417.6	418.4	420.4	418.0	419.6	414.8	415.2	416.0	413.6
7.5°	414.8	413.6	414.4	415.2	417.2	414.8	416.8	412.0	412.8	413.2	411.2
10°	410.8	409.2	410.0	411.2	412.8	410.8	412.4	408.0	408.4	409.2	407.2
12.5°	405.6	404.0	404.8	405.6	407.6	405.6	407.2	402.9	403.7	404.4	402.5
15°	398.9	397.3	398.1	398.9	400.5	399.3	400.9	396.5	397.3	398.9	396.9
17.5°	391.7	389.3	390.1	391.3	392.9	392.1	393.3	389.7	390.1	391.7	389.7
20°	383.0	380.6	381.4	382.6	384.2	383.8	384.6	381.4	382.2	384.2	382.2
22.5°	373.4	371.0	371.8	373.4	374.6	374.6	375.0	372.6	373.4	375.4	373.8
25°	363.1	360.7	361.5	363.1	364.3	364.3	365.1	362.7	363.9	365.9	364.3
27.5°	351.2	350.0	350.0	351.6	352.3	353.1	353.5	351.6	353.1	355.1	353.9
30°	338.8	337.2	338.0	340.0	340.0	341.6	341.6	340.0	342.0	344.4	343.6
32.5°	325.7	324.5	324.9	327.3	327.3	329.3	328.9	328.1	330.1	332.9	332.1
35°	312.6	311.4	311.8	314.2	314.2	316.6	315.8	315.8	317.8	320.9	320.1
37.5°	298.7	297.9	298.3	300.7	300.7	303.0	302.2	302.6	305.0	308.6	308.2
40°	284.3	283.5	284.3	286.3	287.1	289.1	288.3	289.1	292.3	295.5	296.7
42.5°	269.6	269.2	270.0	272.0	272.8	274.8	274.4	275.6	278.8	283.5	285.1
45°	254.5	254.5	255.3	257.3	258.1	260.5	260.1	261.7	265.7	270.8	273.6
47.5°	239.4	239.8	240.2	242.6	242.6	246.6	245.4	247.8	252.9	258.9	262.1
50°	223.9	224.7	225.1	227.1	227.9	231.5	230.7	234.6	240.2	246.6	250.9
52.5°	208.4	209.2	210.0	211.6	212.4	216.7	215.9	221.1	227.9	234.6	239.4
55°	192.1	193.7	194.1	196.1	197.3	201.6	201.6	207.6	214.8	222.3	228.3
57.5°	176.2	177.8	178.2	180.5	182.1	187.3	188.1	194.9	202.8	210.4	217.5
60°	159.9	161.9	162.3	164.6	167.4	173.0	174.2	181.7	190.5	198.4	206.8
62.5°	143.6	145.6	146.3	148.7	153.1	158.7	160.7	169.4	178.6	187.3	196.5
65°	127.3	129.2	130.4	133.6	138.8	144.8	147.5	156.7	167.0	176.2	185.7
67.5°	111.0	113.3	114.9	118.9	125.7	132.0	134.8	145.2	155.9	165.8	175.8
70°	95.0	97.4	99.4	104.6	112.5	118.9	122.5	133.6	144.8	155.5	166.6
72.5°	79.5	81.9	84.7	91.1	99.8	107.0	111.0	122.5	134.8	145.6	157.1
75°	63.6	66.4	69.6	78.3	88.3	95.4	99.8	112.1	124.9	135.6	147.9
77.5°	49.3	52.1	56.9	65.6	76.8	84.7	89.5	102.6	115.7	126.5	139.2
80°	36.2	39.0	45.3	54.9	66.4	74.0	79.9	93.5	107.0	118.1	130.8
82.5°	24.7	27.4	35.0	45.3	57.7	65.2	70.8	85.1	98.6	110.2	122.9
85°	14.3	18.3	26.2	37.4	50.1	57.7	63.2	77.9	91.1	102.6	115.7
87.5°	6.4	11.1	19.9	31.0	43.7	50.9	56.9	70.4	84.3	95.8	109.0
90°	0.4	6.4	15.5	26.2	38.6	45.3	50.9	64.4	77.5	89.5	102.2
92.5°	0.8	4.4	12.7	22.7	34.2	41.0	46.5	59.3	71.6	83.9	96.2
95°	2.0	4.4	11.1	20.3	31.0	37.4	42.6	54.9	66.4	78.3	90.3
97.5°	3.2	4.8	10.7	19.1	28.6	34.6	39.4	50.9	62.4	73.2	85.1
100°	4.4	6.0	10.7	18.3	27.0	32.6	37.0	47.7	58.5	68.4	80.3
102.5°	5.6	7.2	11.5	18.3	26.2	31.0	35.4	45.3	55.3	64.4	75.6
105°	7.2	8.4	12.3	18.3	25.5	30.2	33.8	43.0	52.5	61.2	71.2
107.5°	8.7	9.5	13.1	18.7	25.5	29.4	33.0	41.4	50.1	58.1	67.6
110°	10.7	11.1	14.3	19.5	25.5	29.0	32.2	40.2	48.1	55.7	64.4



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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	15.5	20.3	25.5	29.0	31.8	39.0	46.5	53.3	61.6
115°	14.3	14.3	16.7	21.1	25.8	29.0	31.8	38.6	45.3	51.3	59.3
117.5°	15.9	15.9	18.3	21.9	26.6	29.4	31.8	37.8	44.1	49.7	56.9
120°	17.5	17.5	19.1	22.7	27.0	29.8	31.8	37.4	43.0	48.5	54.9
122.5°	19.1	19.1	20.3	23.9	27.4	29.8	31.8	37.0	42.2	46.9	52.9
125°	20.7	20.7	21.5	24.7	28.2	30.2	32.2	37.0	41.8	45.7	51.7
127.5°	22.3	21.9	23.1	25.8	28.6	30.6	32.6	37.0	41.0	44.9	50.1
130°	23.5	23.1	24.7	26.6	29.4	31.0	32.6	36.6	40.6	44.1	48.5
132.5°	25.1	24.3	26.2	27.0	30.2	31.8	33.0	36.6	40.2	43.3	47.7
135°	26.2	25.5	27.4	28.2	30.6	32.2	33.4	36.6	39.8	43.0	46.5
137.5°	27.0	26.6	28.6	29.4	31.0	32.6	33.8	36.6	39.4	42.2	45.7
140°	27.4	27.0	28.6	30.2	31.0	32.6	33.4	36.2	39.0	41.4	44.5
142.5°	27.8	27.8	29.0	30.6	31.0	32.2	33.4	35.8	38.2	40.2	43.7
145°	27.8	27.8	29.0	31.0	31.4	31.8	32.6	35.0	37.0	39.0	42.2
147.5°	27.8	27.8	29.4	31.0	31.8	32.2	31.8	34.2	36.2	37.8	40.6
150°	27.8	27.8	29.4	31.0	32.2	32.6	32.2	33.4	35.0	36.6	39.0
152.5°	28.2	28.2	29.4	31.0	32.2	32.6	32.6	32.6	33.8	35.4	37.8
155°	28.2	28.6	29.4	31.8	32.6	33.0	33.0	33.0	32.6	34.2	36.2
157.5°	29.4	29.8	30.2	32.2	33.0	33.4	33.4	33.4	33.0	32.6	34.6
160°	30.6	31.0	31.4	33.0	33.8	34.2	34.2	34.2	33.4	33.0	33.0
162.5°	31.8	32.6	32.6	33.4	34.2	34.6	34.6	35.0	34.2	33.8	33.4
165°	33.4	33.8	33.8	34.2	35.0	35.4	35.0	35.4	35.0	34.6	34.2
167.5°	34.6	35.0	35.0	35.4	35.4	35.8	35.8	35.8	35.4	35.0	35.0
170°	35.8	36.2	36.2	36.2	36.2	36.2	36.2	36.2	35.8	35.0	35.0
172.5°	36.6	37.0	37.0	36.6	36.6	36.6	36.6	36.2	35.4	35.0	35.0
175°	37.0	37.4	37.4	37.0	36.6	36.6	36.6	36.2	35.4	35.0	35.0
177.5°	37.4	37.8	37.4	37.4	36.6	36.6	36.6	36.6	35.8	35.4	35.0
180°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0	418.0
2.5°	417.6	412.8	416.0	416.4	418.0	416.4	417.6	416.4	419.6	418.4
5°	416.0	411.6	414.4	414.8	416.8	414.8	416.8	416.0	420.0	418.8
7.5°	413.2	409.6	412.0	412.4	414.8	412.8	414.8	414.0	418.8	417.2
10°	409.2	406.4	408.8	409.2	411.6	409.6	411.2	410.4	415.6	413.2
12.5°	404.8	402.5	404.4	404.8	407.6	405.6	407.6	406.8	412.0	409.6
15°	398.5	397.3	399.3	400.1	402.9	401.3	403.3	402.5	408.0	404.8
17.5°	392.1	391.3	393.3	394.1	397.3	395.3	397.3	396.5	402.1	398.9
20°	384.2	383.8	385.8	386.9	389.7	387.7	390.1	389.3	395.3	392.1
22.5°	375.8	375.8	377.4	378.6	381.4	379.8	382.2	381.8	387.7	384.6
25°	366.7	367.1	368.7	370.2	373.4	372.2	374.2	374.2	379.8	375.8
27.5°	356.3	358.3	359.5	361.5	364.3	363.1	365.1	365.5	371.0	367.1
30°	345.6	348.4	349.6	352.0	354.3	354.3	356.3	357.1	362.7	358.7
32.5°	334.5	337.6	339.2	342.4	345.6	345.6	348.4	349.6	355.1	351.6
35°	323.3	327.7	329.7	333.7	336.8	337.2	340.0	341.6	347.2	343.6
37.5°	312.6	318.1	320.1	324.9	327.7	328.5	331.7	333.7	338.8	335.6
40°	301.4	308.2	310.6	315.8	318.1	319.7	322.9	325.3	330.1	327.3
42.5°	290.7	298.3	300.7	306.2	309.0	310.6	313.8	317.0	321.7	318.9
45°	280.0	288.3	291.1	297.1	299.5	301.8	305.4	308.2	312.6	310.2
47.5°	269.6	278.4	281.2	287.5	290.3	293.1	296.3	300.3	304.2	301.8
50°	258.9	268.0	271.6	278.4	280.8	283.9	287.9	291.5	295.5	293.5
52.5°	248.6	258.1	261.7	268.8	271.6	274.8	278.8	282.8	286.3	284.7
55°	237.4	247.8	251.7	259.3	262.1	265.3	269.6	274.0	277.2	276.0
57.5°	227.1	237.8	241.8	250.1	252.5	256.5	260.9	265.7	268.4	267.2
60°	216.7	227.5	232.2	240.6	243.4	247.4	251.7	256.9	259.3	258.5
62.5°	206.4	217.5	222.7	231.5	233.8	238.2	243.4	247.8	250.1	249.7
65°	196.9	207.6	213.6	222.3	224.7	229.5	234.2	239.0	241.4	241.4
67.5°	186.9	198.4	204.4	213.6	215.5	220.7	225.9	230.7	232.6	232.6
70°	177.8	188.9	195.7	204.8	206.8	211.6	217.1	222.3	223.9	224.3
72.5°	168.6	179.8	186.9	196.5	198.4	203.2	208.4	214.0	215.1	215.5
75°	159.9	171.0	178.2	187.7	189.7	194.5	200.0	205.2	206.8	207.2
77.5°	151.1	162.3	170.2	179.4	181.3	186.1	191.7	196.9	198.0	198.8
80°	143.2	153.9	161.5	171.4	173.4	178.2	183.3	188.5	189.3	190.5
82.5°	135.2	146.0	153.9	163.4	165.4	170.2	175.4	180.5	181.3	182.9
85°	127.7	138.4	146.3	155.5	157.9	162.3	167.8	172.6	173.4	174.6
87.5°	120.9	130.8	139.2	147.9	150.3	154.7	160.3	165.0	165.4	167.0
90°	113.7	123.7	132.0	140.8	143.2	147.1	152.7	157.5	158.3	159.5
92.5°	107.8	116.9	125.7	134.0	136.0	140.4	145.6	150.3	151.1	152.3
95°	101.4	110.6	119.3	127.3	129.2	133.6	138.4	143.2	144.0	145.2
97.5°	95.8	104.6	112.9	120.9	122.9	126.9	132.0	136.4	137.2	138.8
100°	90.7	99.0	107.8	114.9	116.9	120.9	125.7	130.0	130.8	132.4
102.5°	85.9	93.9	102.2	109.0	111.4	114.9	119.7	123.7	124.5	125.7
105°	81.5	89.1	97.0	103.4	105.8	109.4	113.7	117.7	118.5	119.7
107.5°	77.2	84.3	91.9	98.2	100.2	103.4	107.8	111.7	112.5	114.1
110°	73.2	80.3	87.5	93.5	95.8	98.2	102.6	106.2	107.0	108.2



TEST NUMBER: P893341
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	69.6	76.0	83.1	88.7	90.7	93.5	97.0	100.6	101.4	103.0
115°	66.4	72.4	79.5	84.7	86.3	88.7	92.7	95.8	96.6	97.8
117.5°	63.6	68.8	75.2	80.3	82.3	84.3	87.9	90.7	91.9	92.7
120°	61.2	66.0	71.6	76.4	78.7	80.3	83.5	86.3	87.5	88.3
122.5°	58.9	63.2	68.4	72.8	74.8	76.0	79.5	81.9	83.1	84.3
125°	56.9	60.8	65.6	69.2	71.2	72.4	75.6	77.9	79.1	79.9
127.5°	54.9	58.5	63.2	66.0	68.0	68.8	71.6	74.0	75.2	75.6
130°	52.9	56.5	60.4	63.2	64.8	66.0	68.4	70.0	71.2	71.6
132.5°	51.3	54.5	58.1	60.8	62.4	62.8	65.2	66.8	68.0	68.4
135°	50.1	52.5	56.1	58.5	59.7	60.4	62.4	63.6	64.8	65.2
137.5°	48.5	50.9	54.1	55.7	57.3	57.7	59.7	60.8	62.0	62.4
140°	47.3	49.3	52.1	53.7	55.3	55.3	56.9	58.1	59.3	59.3
142.5°	46.1	48.1	50.5	52.1	53.3	53.3	54.9	55.7	56.9	56.9
145°	44.5	46.5	48.9	50.1	51.3	51.3	52.5	53.3	54.5	54.5
147.5°	43.0	44.9	47.3	48.1	49.3	49.3	50.5	51.3	52.1	52.1
150°	41.0	42.6	45.3	46.5	47.7	47.7	48.5	49.3	50.1	50.1
152.5°	39.4	40.6	43.0	44.5	45.7	45.7	46.5	47.3	48.1	48.1
155°	37.4	38.6	40.6	42.6	43.7	44.1	44.9	45.3	46.1	46.1
157.5°	35.8	37.0	38.6	40.2	41.4	42.2	43.3	43.7	44.1	44.1
160°	33.8	34.6	36.2	37.8	39.0	39.8	41.8	42.2	42.6	42.6
162.5°	33.0	33.0	33.8	35.0	36.2	36.6	38.6	40.2	41.0	40.6
165°	33.4	33.0	33.0	33.4	34.2	34.6	35.8	38.2	39.0	38.6
167.5°	34.2	33.4	33.0	33.0	33.8	33.8	35.0	37.0	39.4	38.6
170°	34.2	33.0	32.2	32.2	32.6	32.6	33.4	34.6	37.0	37.4
172.5°	33.8	33.0	31.8	30.2	30.6	30.2	29.8	30.6	31.0	35.0
175°	34.2	33.0	31.8	29.8	29.0	27.8	25.8	24.3	23.9	19.5
177.5°	33.8	32.6	31.0	29.4	28.6	27.0	24.7	21.9	20.3	17.9
180°	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2



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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	10.72	12.03	11.36	12.69	13.46	14.26	15.57	14.90	16.24	17.01
	3H	12.06	13.26	12.72	13.94	14.74	17.18	18.38	17.83	19.05	19.85
	4H	12.47	13.61	13.14	14.29	15.11	18.66	19.80	19.33	20.48	21.30
	6H	12.69	13.75	13.37	14.44	15.27	20.21	21.28	20.90	21.97	22.80
	8H	12.72	13.74	13.42	14.46	15.29	21.02	22.04	21.72	22.76	23.59
	12H	12.72	13.70	13.43	14.41	15.27	21.90	22.88	22.61	23.59	24.45
4H	2H	11.86	13.00	12.53	13.68	14.50	14.58	15.72	15.26	16.41	17.22
	3H	13.50	14.48	14.19	15.20	16.03	17.73	18.71	18.42	19.43	20.27
	4H	14.07	14.97	14.77	15.70	16.56	19.38	20.28	20.09	21.01	21.87
	6H	14.41	15.21	15.13	15.96	16.83	21.15	21.95	21.87	22.70	23.57
	8H	14.49	15.24	15.21	15.98	16.87	22.09	22.84	22.81	23.59	24.47
	12H	14.51	15.20	15.26	15.97	16.86	23.11	23.79	23.86	24.56	25.45
8H	4H	15.16	15.91	15.88	16.65	17.54	19.56	20.31	20.28	21.06	21.94
	6H	15.77	16.41	16.52	17.19	18.08	21.51	22.15	22.26	22.94	23.82
	8H	15.96	16.54	16.73	17.33	18.23	22.59	23.17	23.36	23.96	24.85
	12H	16.07	16.59	16.84	17.37	18.33	23.81	24.33	24.58	25.10	26.06
12H	4H	15.51	16.19	16.26	16.96	17.85	19.55	20.24	20.30	21.01	21.90
	6H	16.29	16.87	17.05	17.65	18.55	21.54	22.12	22.30	22.90	23.80
	8H	16.62	17.13	17.39	17.91	18.87	22.68	23.20	23.45	23.98	24.94