

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
(formerly Eaton)

Brand: LUMIERE

Report Number: P394917

Luminaire Tested: **303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-2)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

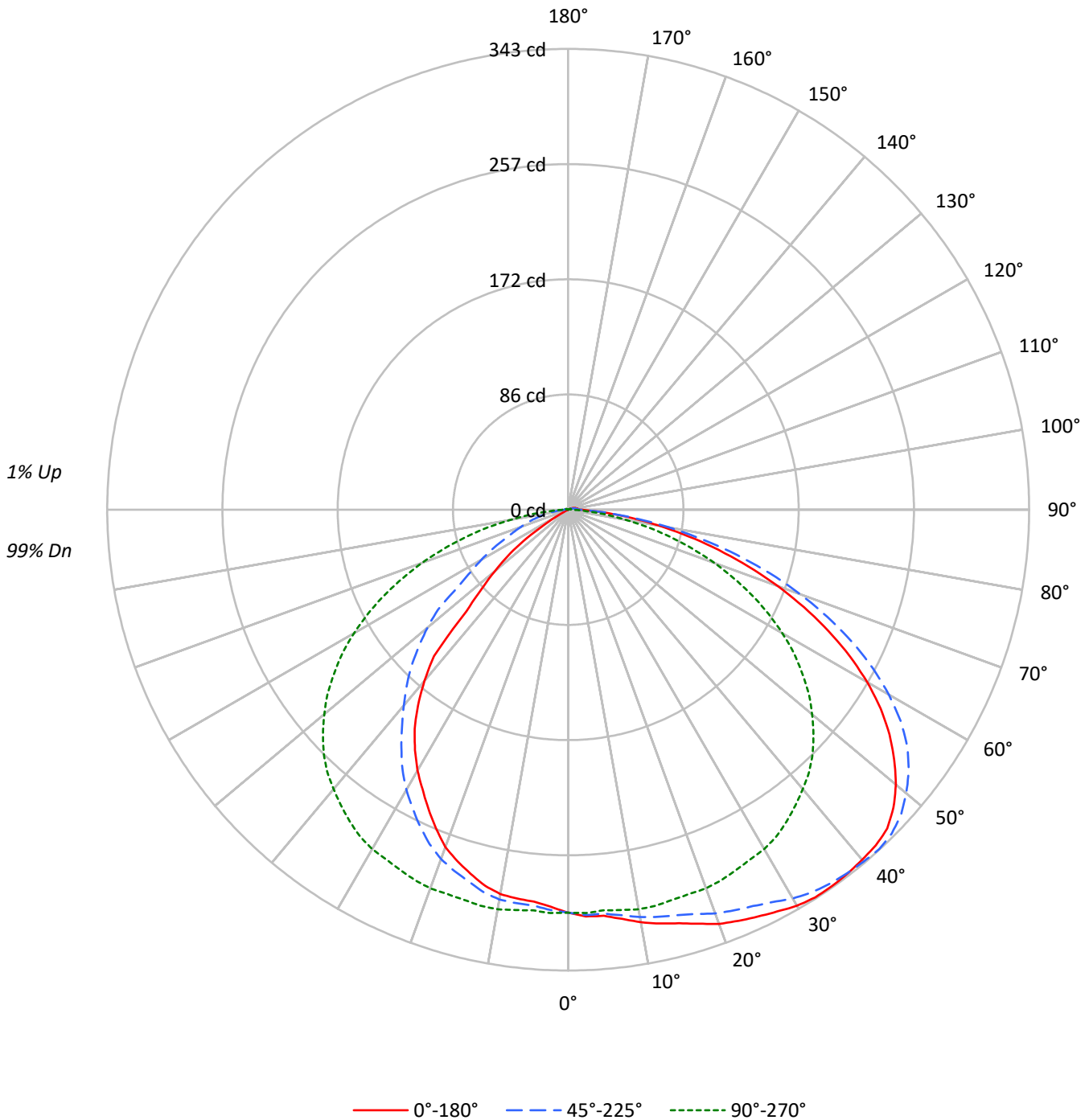
Lumens per Lamp: N/A
Luminaire Lumens: 1026.9 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90		92	90	87		89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	74		80	76	72		77	73	70	68
3	89	78	70	63	86	76	69	62	73	67	61		70	65	60		68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34		46	39	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40	34	29	28
9	55	41	33	27	53	41	33	27	39	32	27		38	31	27		37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		34	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	20660	20660	20660
5°	20937	20649	20206
10°	21719	21027	20236
15°	22585	21280	19878
20°	23845	21775	19419
25°	25114	22208	18484
30°	26708	22852	17591
35°	28295	23389	16467
40°	29990	23882	14660
45°	31939	24407	10180
50°	33165	24608	7439
55°	33897	24598	4796
60°	33996	24246	1270
65°	33145	23314	31
70°	31311	21732	38
75°	28289	19076	49
80°	24059	15094	70
85°	18422	9268	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	2.8
10°-20°	84.8	8.3
20°-30°	135.3	13.2
30°-40°	173.7	16.9
40°-50°	189.8	18.5
50°-60°	175.3	17.1
60°-70°	133.9	13.0
70°-80°	77.0	7.5
80°-90°	21.1	2.1
90°-100°	4.1	0.4
100°-110°	2.5	0.2
110°-120°	0.8	0.1
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	248.7	24.2
0°-40°	422.4	41.1
0°-60°	787.5	76.7
0°-90°	1019.6	99.3
90°-120°	7.4	0.7
90°-150°	7.4	0.7
90°-180°	7.0	0.7
0°-180°	1026.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	300	300	300	300	300	
5°	303	302	299	296	293	29
15°	319	312	300	286	280	91
25°	334	326	296	260	246	155
35°	342	340	283	216	199	215
45°	336	341	257	165	107	258
55°	292	308	213	100	41	260
65°	214	233	151	53	0	211
75°	116	130	79	26	0	123
85°	30	31	15	6	0	33
90°	9	8	3	2	0	6
95°	7	6	2	2	0	6
105°	5	4	2	1	0	5
115°	2	1	1	0	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
2.5°	303.0	299.7	298.1	300.1	298.5	301.8	300.7	300.1	300.1	302.2	302.0
5°	303.4	299.9	297.9	300.1	298.9	301.8	300.7	299.9	299.7	302.0	301.8
7.5°	307.1	303.2	301.3	303.6	302.2	305.0	303.6	302.8	302.6	305.0	304.4
10°	311.8	307.7	305.8	308.1	306.5	309.3	307.9	306.9	306.5	308.5	307.9
12.5°	315.5	311.2	309.7	311.8	310.1	312.6	311.4	309.9	309.7	311.2	310.4
15°	318.7	314.4	312.8	314.8	313.0	315.1	314.0	312.4	312.0	313.4	312.4
17.5°	323.0	318.7	316.9	319.3	317.5	318.7	317.5	316.1	315.9	316.9	315.5
20°	328.1	323.8	322.2	324.5	322.4	323.9	322.4	321.0	320.4	321.0	319.8
22.5°	331.2	327.1	326.1	328.4	326.3	327.5	326.3	324.7	324.3	324.7	322.8
25°	334.1	329.6	328.8	331.4	329.4	330.6	329.6	328.1	327.7	327.5	325.5
27.5°	337.1	332.6	332.0	334.7	332.9	334.1	333.3	332.2	331.6	331.2	329.2
30°	340.4	336.5	335.9	339.2	337.8	338.8	338.4	337.2	337.1	336.3	334.1
32.5°	342.1	338.6	338.6	341.9	341.4	342.5	342.3	341.4	341.0	340.2	337.6
35°	342.1	338.8	339.2	342.9	342.3	343.7	344.3	343.5	343.5	342.3	339.8
37.5°	341.4	338.6	339.4	343.1	342.7	344.3	345.5	344.9	345.1	343.9	341.0
40°	340.2	337.8	339.0	342.9	342.9	344.7	346.1	346.1	346.4	344.9	341.9
42.5°	338.8	336.7	338.2	342.1	342.3	344.1	346.8	346.8	347.2	345.7	342.7
45°	335.7	333.7	335.9	339.4	339.4	341.0	344.3	344.9	345.5	343.9	340.6
47.5°	328.3	326.7	329.2	332.9	333.9	335.5	339.4	340.0	341.0	339.2	335.9
50°	318.3	316.7	319.3	323.4	324.9	327.7	332.2	333.1	333.9	332.0	328.4
52.5°	305.8	305.0	307.3	311.6	314.2	316.9	321.8	323.8	325.1	323.6	319.4
55°	291.9	290.9	293.6	297.3	300.5	303.2	309.1	311.0	312.6	311.6	308.1
57.5°	275.8	275.0	277.8	281.1	284.4	287.0	293.4	295.6	297.1	296.4	293.4
60°	257.0	256.5	259.2	263.3	266.2	268.6	275.0	277.2	279.2	278.4	275.6
62.5°	236.3	235.9	238.7	241.8	245.5	247.7	254.1	256.5	258.4	257.0	255.5
65°	213.8	213.4	216.2	220.1	222.8	224.8	231.2	234.7	235.3	235.3	233.2
67.5°	189.9	189.8	192.3	195.8	198.6	200.3	206.2	209.7	210.5	210.7	208.9
70°	165.7	165.3	167.8	171.4	172.7	174.9	180.2	183.5	184.1	183.7	183.5
72.5°	140.7	140.5	142.6	145.2	147.5	148.9	153.6	156.3	156.7	156.9	157.3
75°	115.8	116.8	117.4	120.9	121.9	122.7	126.8	128.9	129.1	129.3	129.7
77.5°	91.7	91.6	93.1	96.2	96.6	97.2	100.4	101.9	102.1	102.3	102.5
80°	68.9	69.8	69.6	71.6	71.8	72.6	74.9	75.9	75.9	76.7	76.5
82.5°	47.7	48.7	48.3	49.9	49.9	50.1	51.6	52.0	51.8	52.4	52.4
85°	29.7	30.3	29.9	30.9	30.5	30.7	31.5	31.5	31.1	31.5	31.1
87.5°	16.2	16.4	16.0	17.0	16.8	16.2	16.4	16.0	15.6	15.6	15.3
90°	8.8	9.0	9.2	9.2	9.0	8.8	8.8	8.4	8.2	8.2	7.8
92.5°	7.8	7.8	8.0	8.0	8.0	7.8	7.8	7.6	7.4	7.2	7.0
95°	7.0	7.2	7.2	7.2	7.2	7.0	7.0	6.8	6.8	6.7	6.5
97.5°	6.5	6.7	6.7	6.7	6.7	6.5	6.5	6.3	6.3	6.1	5.9
100°	6.1	6.1	6.1	6.1	6.1	5.9	5.9	5.7	5.7	5.5	5.3
102.5°	5.5	5.5	5.5	5.5	5.5	5.3	5.3	5.1	4.9	4.9	4.5
105°	4.9	4.9	4.9	4.9	4.7	4.5	4.5	4.3	4.1	4.1	3.7
107.5°	4.3	4.3	4.3	4.3	4.1	3.9	3.7	3.5	3.3	3.1	2.9
110°	3.5	3.7	3.7	3.5	3.3	3.1	2.9	2.5	2.5	2.3	2.2



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CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	2.9	2.9	2.9	2.7	2.5	2.3	2.2	1.8	1.8	1.6	1.4
115°	2.0	2.2	2.2	2.0	1.8	1.6	1.4	1.2	1.2	1.0	0.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
2.5°	300.3	301.3	301.3	300.7	300.5	300.7	300.3	301.3	300.5	298.9	299.9
5°	299.9	301.1	300.7	300.3	299.5	299.9	299.5	300.3	299.3	297.7	298.5
7.5°	302.4	303.8	302.8	302.6	301.5	301.8	301.3	301.6	300.5	298.9	299.5
10°	305.8	307.5	306.0	305.6	303.6	304.2	303.2	303.2	302.0	300.3	300.5
12.5°	308.1	309.9	307.7	307.1	304.8	305.2	303.6	303.2	301.8	299.7	299.7
15°	310.1	311.6	309.1	308.1	305.2	305.4	303.2	302.2	300.5	297.9	297.3
17.5°	313.0	314.6	311.4	310.3	306.3	306.1	303.6	301.8	299.9	297.0	295.8
20°	316.9	318.5	314.8	313.2	308.5	308.3	305.0	302.4	299.9	296.4	294.4
22.5°	319.6	321.2	316.9	315.1	309.7	308.9	305.2	301.6	298.3	294.4	291.3
25°	322.4	323.8	318.7	316.5	310.1	308.9	304.4	299.9	295.8	291.1	287.4
27.5°	325.9	326.9	321.0	318.5	311.0	309.5	303.8	298.1	293.4	287.6	282.9
30°	330.4	331.4	324.7	321.6	313.0	310.8	304.0	297.5	291.7	284.8	278.8
32.5°	333.9	334.3	327.3	323.6	313.8	310.8	303.2	295.0	288.3	280.5	273.1
35°	336.1	335.7	327.9	323.6	313.0	309.3	300.7	291.1	283.3	274.7	265.8
37.5°	337.1	336.5	328.1	323.2	311.4	306.7	297.0	286.4	277.6	267.6	257.2
40°	338.2	336.9	327.7	322.2	309.5	303.8	293.2	281.5	271.5	260.8	249.0
42.5°	338.6	336.9	326.9	320.8	306.9	300.7	288.9	276.0	265.3	253.5	240.8
45°	336.7	333.9	323.6	316.7	302.2	294.8	282.5	268.6	257.2	244.9	231.2
47.5°	331.4	327.9	317.5	309.9	294.8	287.0	274.1	259.2	247.5	234.7	220.5
50°	324.3	320.0	309.5	301.5	285.8	277.4	264.1	249.0	236.9	224.0	209.3
52.5°	315.3	310.6	299.5	291.1	275.2	266.4	252.9	237.7	225.9	212.4	197.6
55°	303.6	298.5	287.4	278.6	262.7	253.7	240.4	224.8	212.6	199.7	185.1
57.5°	290.1	283.6	272.7	263.3	247.9	238.9	225.7	210.7	199.3	186.2	171.8
60°	272.9	266.4	255.3	246.1	230.8	222.0	209.5	195.6	184.1	171.6	157.9
62.5°	252.9	246.9	236.1	225.7	212.4	203.4	191.7	178.8	168.0	156.1	143.4
65°	231.0	225.0	215.6	205.6	192.5	183.9	173.1	161.0	151.2	140.1	128.3
67.5°	207.0	201.3	192.7	183.3	171.2	164.3	153.6	142.4	133.4	123.6	113.1
70°	181.5	176.1	168.8	159.6	149.6	141.8	133.4	123.4	115.8	107.2	97.6
72.5°	154.9	150.0	143.6	135.8	126.2	120.9	112.7	104.1	97.0	89.8	82.0
75°	127.7	123.4	118.2	111.5	103.3	99.0	91.9	84.7	78.8	73.0	66.3
77.5°	100.9	97.4	93.1	88.8	81.0	77.3	71.8	65.9	61.4	56.5	51.4
80°	74.7	72.0	68.7	64.8	59.7	56.5	52.2	47.7	43.8	40.9	37.8
82.5°	50.5	48.5	46.2	43.4	39.9	37.4	34.4	31.1	28.6	26.8	24.6
85°	29.9	28.6	27.0	25.0	22.7	21.3	19.4	17.2	15.3	14.5	13.7
87.5°	15.1	13.7	12.7	12.1	10.2	9.4	8.2	7.0	6.5	5.9	5.9
90°	7.4	6.8	6.3	5.7	5.1	4.5	3.7	3.1	2.7	2.7	2.9
92.5°	6.7	6.3	5.7	5.3	4.7	3.9	3.3	2.5	2.5	2.5	2.5
95°	6.1	5.7	5.3	4.7	4.1	3.5	2.7	2.3	2.3	2.3	2.3
97.5°	5.7	5.1	4.7	4.1	3.5	2.9	2.5	2.3	2.2	2.2	2.2
100°	4.9	4.5	4.1	3.5	2.9	2.5	2.3	2.2	2.2	2.2	2.2
102.5°	4.3	3.9	3.5	2.9	2.3	2.3	2.2	2.0	2.0	2.0	2.0
105°	3.5	3.1	2.7	2.3	2.2	2.2	2.0	2.0	1.8	1.8	1.8
107.5°	2.7	2.3	2.0	2.0	2.0	2.0	1.8	1.6	1.6	1.6	1.6
110°	2.0	1.6	1.8	1.8	1.8	1.8	1.6	1.4	1.4	1.4	1.4



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	1.2	1.2	1.4	1.4	1.6	1.6	1.4	1.2	1.2	1.2	1.2
115°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	0.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9	299.9
2.5°	298.9	302.0	299.7	298.5	299.7	298.7	298.3	300.7	297.5	296.4	295.8
5°	297.1	300.3	297.9	296.4	297.7	296.2	295.8	298.1	295.0	293.6	292.8
7.5°	297.9	300.9	298.3	296.6	297.9	295.8	295.4	297.3	294.4	292.8	292.3
10°	298.7	301.3	298.5	296.4	297.9	295.2	294.6	296.4	293.4	291.5	290.7
12.5°	297.5	299.5	296.6	294.0	295.6	292.1	291.5	292.6	289.7	287.6	286.8
15°	295.0	296.4	293.0	290.3	291.9	287.6	286.4	287.4	284.4	281.9	281.1
17.5°	292.8	293.8	289.9	286.8	288.0	283.1	281.9	282.3	279.2	276.2	275.0
20°	291.1	291.3	287.0	283.3	284.0	278.8	276.6	276.6	273.7	270.3	268.8
22.5°	287.2	286.4	282.1	277.6	277.8	271.9	269.4	268.8	265.3	261.5	260.2
25°	282.3	280.3	275.0	270.3	269.6	263.3	260.4	259.2	255.9	251.6	249.8
27.5°	276.8	273.7	267.8	262.3	261.0	253.9	250.6	248.8	245.3	240.6	239.0
30°	271.7	267.2	260.6	254.3	252.0	244.5	240.8	238.5	235.1	230.2	228.5
32.5°	264.9	259.0	251.2	244.1	241.2	233.4	229.5	226.5	223.2	218.5	217.3
35°	256.5	249.2	240.4	232.6	228.9	220.7	216.4	213.2	210.3	205.6	204.2
37.5°	247.3	238.7	228.9	220.5	215.8	207.4	203.1	199.7	197.0	192.7	191.1
40°	238.1	228.5	217.5	208.3	203.1	194.6	190.1	186.8	184.3	179.2	176.8
42.5°	228.9	218.1	206.2	196.4	190.7	182.3	178.0	174.5	170.4	164.7	161.4
45°	218.3	206.4	194.1	184.1	177.8	169.6	165.1	160.0	155.5	149.1	144.0
47.5°	207.0	194.3	181.5	171.4	164.9	156.7	150.8	144.6	139.1	130.7	113.1
50°	195.2	182.1	169.0	159.4	152.4	143.4	136.7	128.9	113.9	101.3	93.7
52.5°	183.1	169.8	156.9	147.5	139.7	130.1	122.1	103.5	93.3	85.5	78.8
55°	171.0	157.7	145.0	135.8	127.0	116.6	100.0	87.1	79.4	72.4	65.5
57.5°	158.3	145.2	132.8	123.4	113.7	96.8	85.5	74.7	67.7	59.7	51.8
60°	145.0	132.6	121.3	110.9	98.4	82.6	74.7	63.6	55.9	44.4	35.2
62.5°	131.5	119.9	108.6	98.6	83.9	71.6	63.6	52.4	41.1	32.9	24.3
65°	117.6	107.0	96.2	83.3	72.6	61.8	53.0	41.9	32.3	24.1	17.2
67.5°	103.5	93.9	84.7	72.2	62.8	53.2	44.2	34.2	26.0	20.3	15.1
70°	90.0	81.0	72.6	62.2	53.6	45.4	37.4	29.3	22.7	17.6	13.1
72.5°	75.1	68.1	60.6	52.0	45.0	38.1	31.5	24.8	19.2	15.1	11.2
75°	61.6	55.4	49.7	42.4	37.0	30.9	25.6	20.3	15.8	12.3	9.2
77.5°	47.9	43.0	38.7	33.1	28.4	24.3	20.1	15.8	12.5	9.8	7.2
80°	34.8	31.3	28.0	23.9	20.9	17.6	14.9	11.7	9.4	7.2	5.5
82.5°	23.1	20.5	18.4	15.8	13.9	11.9	10.2	8.2	6.5	5.1	3.9
85°	12.9	11.7	10.4	9.0	8.2	7.0	6.1	5.1	4.1	3.3	2.5
87.5°	5.9	5.5	5.1	4.7	4.1	3.7	3.3	2.9	2.5	2.2	1.8
90°	3.1	3.1	3.1	3.1	2.9	2.7	2.5	2.3	2.2	1.8	1.4
92.5°	2.7	2.7	2.9	2.9	2.7	2.5	2.3	2.2	2.0	1.6	1.4
95°	2.5	2.5	2.7	2.7	2.5	2.3	2.3	2.0	1.8	1.4	1.2
97.5°	2.3	2.3	2.3	2.3	2.3	2.2	2.2	1.8	1.6	1.4	1.0
100°	2.2	2.2	2.2	2.2	2.2	2.0	1.8	1.6	1.4	1.2	0.8
102.5°	2.0	1.8	2.0	2.0	2.0	1.8	1.6	1.4	1.2	1.0	0.8
105°	1.8	1.6	1.6	1.6	1.6	1.6	1.4	1.2	1.0	0.8	0.6
107.5°	1.6	1.4	1.4	1.4	1.2	1.2	1.2	1.0	0.8	0.6	0.6
110°	1.4	1.2	1.2	1.0	1.0	0.8	0.8	0.6	0.6	0.6	0.4



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	1.2	1.0	1.0	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.4
115°	0.8	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	299.9	299.9	299.9	299.9	299.9
2.5°	297.1	298.5	295.6	297.1	295.8
5°	294.0	295.6	292.6	294.2	292.8
7.5°	293.2	294.6	291.7	293.2	291.9
10°	291.7	293.2	290.3	291.5	290.5
12.5°	287.6	289.3	286.0	287.4	286.6
15°	281.7	283.1	279.9	280.9	280.5
17.5°	275.0	276.8	273.5	274.1	274.3
20°	268.6	270.0	266.4	267.0	267.2
22.5°	259.2	260.6	256.8	257.2	256.8
25°	248.4	249.4	246.1	246.1	245.9
27.5°	237.5	238.5	234.9	234.7	234.7
30°	226.9	227.5	224.8	224.2	224.2
32.5°	215.2	215.6	213.2	212.2	212.1
35°	202.5	202.7	200.3	199.1	199.1
37.5°	189.2	188.0	185.1	183.7	183.7
40°	173.5	172.0	168.6	166.7	166.3
42.5°	156.9	154.3	150.8	148.5	147.9
45°	137.3	121.7	112.3	108.4	107.0
47.5°	100.7	95.1	90.6	88.0	87.1
50°	82.7	78.2	74.5	72.4	71.4
52.5°	68.9	64.2	61.0	57.9	56.7
55°	55.4	49.9	46.4	43.0	41.3
57.5°	37.2	29.5	25.4	22.1	22.1
60°	23.3	17.2	12.7	9.8	9.6
62.5°	13.7	7.4	2.9	0.8	0.4
65°	9.2	4.9	2.3	0.8	0.2
67.5°	8.2	4.5	2.2	0.8	0.2
70°	7.2	3.9	2.0	0.6	0.2
72.5°	6.3	3.5	1.8	0.6	0.4
75°	5.3	2.9	1.6	0.6	0.2
77.5°	4.3	2.5	1.4	0.6	0.2
80°	3.3	2.0	1.2	0.4	0.2
82.5°	2.5	1.6	1.0	0.4	0.4
85°	1.8	1.2	0.8	0.4	0.4
87.5°	1.4	1.0	0.6	0.4	0.4
90°	1.2	0.8	0.6	0.4	0.2
92.5°	1.0	0.8	0.6	0.4	0.4
95°	1.0	0.6	0.4	0.4	0.4
97.5°	0.8	0.6	0.4	0.4	0.4
100°	0.6	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4
107.5°	0.4	0.4	0.4	0.4	0.4
110°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P394917

CATALOG NUMBER: 303-W1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
112.5°	0.4	0.4	0.4	0.4	0.4
115°	0.4	0.4	0.4	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)