

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P395002

Luminaire Tested: **303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P395002
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-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 965.6 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 1.52')
CIE Type: General Diffuse

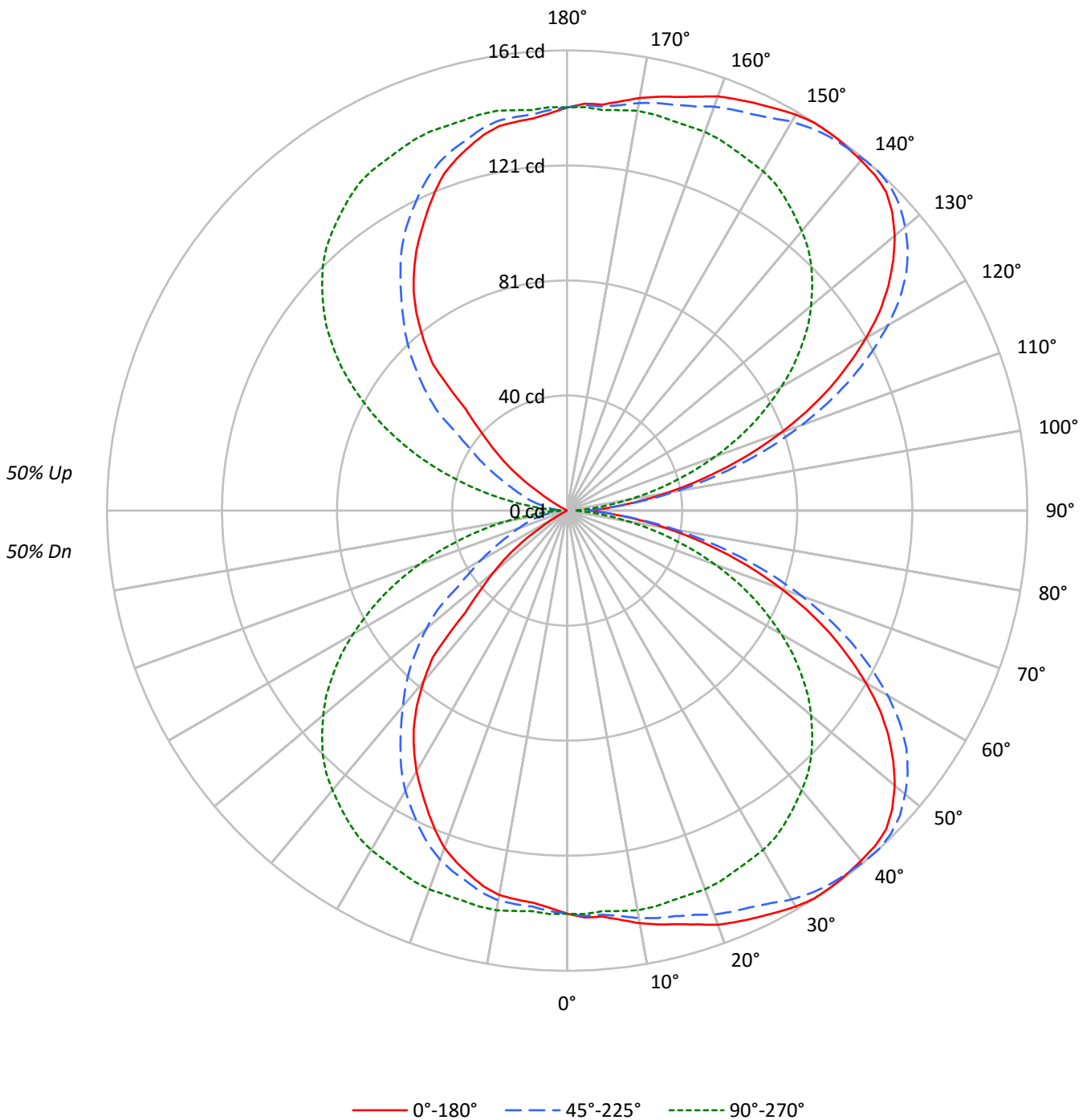
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	97	93	89	85	90	86	82	79	72	70	68	60	58	57	49	48	47	41
2	88	81	74	69	81	75	69	64	63	59	55	52	49	47	43	40	39	34
3	80	71	63	57	74	65	59	53	55	50	46	46	42	39	37	35	32	28
4	73	62	54	48	67	58	50	45	49	43	39	41	37	33	33	30	28	24
5	67	55	47	41	62	51	44	38	43	38	33	36	32	28	30	26	24	20
6	62	49	41	35	57	46	38	33	39	33	29	33	28	25	27	23	21	18
7	57	44	36	30	52	41	34	29	35	29	25	30	25	22	24	21	18	16
8	53	40	32	27	48	37	30	25	32	26	22	27	22	19	22	19	16	14
9	49	37	29	24	45	34	27	22	29	24	20	25	20	17	20	17	14	12
10	46	33	26	21	42	31	24	20	27	21	18	23	18	15	19	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	19427	19427	19427
5°	12038	14365	11624
10°	8970	11586	8358
15°	7231	9662	6367
20°	6185	8352	5038
25°	5425	7317	3992
30°	4884	6530	3217
35°	4430	5837	2577
40°	4038	5219	1975
45°	3706	4662	1181
50°	3307	4095	743
55°	2886	3538	408
60°	2441	2972	91
65°	1986	2408	6
70°	1524	1829	6
75°	1069	1251	6
80°	659	714	6
85°	324	277	7



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	1.4
10°-20°	39.9	4.1
20°-30°	63.6	6.6
30°-40°	81.6	8.5
40°-50°	89.2	9.2
50°-60°	82.4	8.5
60°-70°	63.3	6.6
70°-80°	37.4	3.9
80°-90°	11.9	1.2
90°-100°	11.9	1.2
100°-110°	37.4	3.9
110°-120°	63.3	6.6
120°-130°	82.4	8.5
130°-140°	89.2	9.2
140°-150°	81.6	8.5
150°-160°	63.6	6.6
160°-170°	39.9	4.1
170°-180°	13.4	1.4
0°-30°	116.9	12.1
0°-40°	198.6	20.6
0°-60°	370.2	38.3
0°-90°	482.8	50.0
90°-120°	112.6	11.7
90°-150°	365.9	37.9
90°-180°	483.0	50.0
0°-180°	965.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	143	142	141	139	138	14
15°	150	147	141	135	132	43
25°	157	153	139	122	116	73
35°	161	160	133	102	94	101
45°	158	160	121	78	50	121
55°	137	145	100	47	19	122
65°	101	110	72	25	0	100
75°	57	63	38	13	0	60
85°	17	18	8	4	0	18
90°	8	7	3	2	0	5
95°	17	18	8	4	0	18
105°	57	63	38	13	0	60
115°	101	110	72	25	0	100
125°	137	145	100	47	19	122
135°	158	160	121	78	50	121
145°	161	160	133	102	94	101
155°	157	153	139	122	116	73
165°	150	147	141	135	132	43
175°	143	142	141	139	138	14
180°	141	141	141	141	141	



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	142.5	140.9	140.2	141.1	140.3	141.9	141.4	141.1	141.1	142.1	142.0
5°	142.6	141.0	140.1	141.1	140.5	141.9	141.4	141.0	140.9	142.0	141.9
7.5°	144.4	142.6	141.6	142.7	142.1	143.4	142.7	142.4	142.3	143.4	143.1
10°	146.6	144.7	143.8	144.9	144.1	145.4	144.8	144.3	144.1	145.0	144.8
12.5°	148.3	146.3	145.6	146.6	145.8	147.0	146.4	145.7	145.6	146.3	146.0
15°	149.8	147.8	147.1	148.0	147.2	148.2	147.6	146.9	146.7	147.3	146.9
17.5°	151.8	149.8	149.0	150.1	149.3	149.8	149.3	148.6	148.5	149.0	148.3
20°	154.2	152.2	151.5	152.6	151.6	152.3	151.6	150.9	150.6	150.9	150.4
22.5°	155.7	153.8	153.3	154.4	153.4	154.0	153.4	152.7	152.5	152.7	151.8
25°	157.1	155.0	154.6	155.8	154.9	155.4	155.0	154.2	154.1	154.0	153.0
27.5°	158.5	156.4	156.1	157.4	156.5	157.1	156.7	156.2	155.9	155.7	154.8
30°	160.0	158.2	157.9	159.5	158.8	159.3	159.1	158.6	158.5	158.1	157.1
32.5°	160.9	159.2	159.2	160.8	160.5	161.0	160.9	160.5	160.3	159.9	158.7
35°	160.9	159.3	159.5	161.2	160.9	161.6	161.9	161.5	161.5	160.9	159.8
37.5°	160.5	159.2	159.6	161.3	161.1	161.9	162.4	162.1	162.2	161.7	160.3
40°	159.9	158.8	159.4	161.2	161.2	162.1	162.7	162.7	162.9	162.1	160.8
42.5°	159.3	158.3	159.0	160.9	160.9	161.8	163.1	163.1	163.2	162.5	161.1
45°	157.8	156.9	157.9	159.6	159.6	160.3	161.9	162.1	162.4	161.7	160.1
47.5°	154.3	153.6	154.8	156.5	157.0	157.7	159.6	159.8	160.3	159.5	157.9
50°	149.6	148.9	150.1	152.0	152.8	154.1	156.2	156.6	157.0	156.1	154.4
52.5°	143.8	143.4	144.5	146.5	147.7	149.0	151.3	152.2	152.9	152.1	150.2
55°	137.2	136.8	138.0	139.8	141.3	142.6	145.3	146.2	147.0	146.5	144.9
57.5°	129.7	129.3	130.6	132.2	133.7	134.9	138.0	139.0	139.7	139.3	138.0
60°	120.8	120.6	121.9	123.8	125.2	126.3	129.3	130.3	131.2	130.9	129.6
62.5°	111.1	110.9	112.2	113.7	115.4	116.4	119.5	120.6	121.5	120.8	120.1
65°	101.4	101.4	102.6	104.4	105.6	106.4	109.4	110.9	111.2	111.1	110.0
67.5°	90.7	90.6	91.8	93.4	94.5	95.3	97.9	99.4	99.8	99.8	98.9
70°	79.6	79.5	80.7	82.2	82.8	83.7	86.1	87.5	87.7	87.5	87.3
72.5°	68.2	68.1	69.1	70.3	71.3	71.8	73.9	75.1	75.2	75.2	75.3
75°	56.7	57.2	57.5	59.1	59.5	59.8	61.7	62.6	62.6	62.7	62.7
77.5°	45.7	45.6	46.4	47.8	48.0	48.2	49.7	50.3	50.3	50.4	50.3
80°	35.2	35.7	35.6	36.5	36.6	36.9	38.0	38.4	38.4	38.6	38.4
82.5°	25.5	26.0	25.8	26.6	26.6	26.6	27.3	27.4	27.3	27.5	27.4
85°	17.3	17.7	17.5	17.9	17.8	17.8	18.1	18.0	17.8	17.9	17.7
87.5°	11.3	11.4	11.3	11.8	11.7	11.3	11.4	11.1	10.9	10.8	10.5
90°	8.3	8.5	8.6	8.6	8.5	8.3	8.3	7.9	7.7	7.7	7.4
92.5°	11.3	11.4	11.3	11.8	11.7	11.3	11.4	11.1	10.9	10.8	10.5
95°	17.3	17.7	17.5	17.9	17.8	17.8	18.1	18.0	17.8	17.9	17.7
97.5°	25.5	26.0	25.8	26.6	26.6	26.6	27.3	27.4	27.3	27.5	27.4
100°	35.2	35.7	35.6	36.5	36.6	36.9	38.0	38.4	38.4	38.6	38.4
102.5°	45.7	45.6	46.4	47.8	48.0	48.2	49.7	50.3	50.3	50.4	50.3
105°	56.7	57.2	57.5	59.1	59.5	59.8	61.7	62.6	62.6	62.7	62.7
107.5°	68.2	68.1	69.1	70.3	71.3	71.8	73.9	75.1	75.2	75.2	75.3
110°	79.6	79.5	80.7	82.2	82.8	83.7	86.1	87.5	87.7	87.5	87.3



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	90.7	90.6	91.8	93.4	94.5	95.3	97.9	99.4	99.8	99.8	98.9
115°	101.4	101.4	102.6	104.4	105.6	106.4	109.4	110.9	111.2	111.1	110.0
117.5°	111.1	110.9	112.2	113.7	115.4	116.4	119.5	120.6	121.5	120.8	120.1
120°	120.8	120.6	121.9	123.8	125.2	126.3	129.3	130.3	131.2	130.9	129.6
122.5°	129.7	129.3	130.6	132.2	133.7	134.9	138.0	139.0	139.7	139.3	138.0
125°	137.2	136.8	138.0	139.8	141.3	142.6	145.3	146.2	147.0	146.5	144.9
127.5°	143.8	143.4	144.5	146.5	147.7	149.0	151.3	152.2	152.9	152.1	150.2
130°	149.6	148.9	150.1	152.0	152.8	154.1	156.2	156.6	157.0	156.1	154.4
132.5°	154.3	153.6	154.8	156.5	157.0	157.7	159.6	159.8	160.3	159.5	157.9
135°	157.8	156.9	157.9	159.6	159.6	160.3	161.9	162.1	162.4	161.7	160.1
137.5°	159.3	158.3	159.0	160.9	160.9	161.8	163.1	163.1	163.2	162.5	161.1
140°	159.9	158.8	159.4	161.2	161.2	162.1	162.7	162.7	162.9	162.1	160.8
142.5°	160.5	159.2	159.6	161.3	161.1	161.9	162.4	162.1	162.2	161.7	160.3
145°	160.9	159.3	159.5	161.2	160.9	161.6	161.9	161.5	161.5	160.9	159.8
147.5°	160.9	159.2	159.2	160.8	160.5	161.0	160.9	160.5	160.3	159.9	158.7
150°	160.0	158.2	157.9	159.5	158.8	159.3	159.1	158.6	158.5	158.1	157.1
152.5°	158.5	156.4	156.1	157.4	156.5	157.1	156.7	156.2	155.9	155.7	154.8
155°	157.1	155.0	154.6	155.8	154.9	155.4	155.0	154.2	154.1	154.0	153.0
157.5°	155.7	153.8	153.3	154.4	153.4	154.0	153.4	152.7	152.5	152.7	151.8
160°	154.2	152.2	151.5	152.6	151.6	152.3	151.6	150.9	150.6	150.9	150.4
162.5°	151.8	149.8	149.0	150.1	149.3	149.8	149.3	148.6	148.5	149.0	148.3
165°	149.8	147.8	147.1	148.0	147.2	148.2	147.6	146.9	146.7	147.3	146.9
167.5°	148.3	146.3	145.6	146.6	145.8	147.0	146.4	145.7	145.6	146.3	146.0
170°	146.6	144.7	143.8	144.9	144.1	145.4	144.8	144.3	144.1	145.0	144.8
172.5°	144.4	142.6	141.6	142.7	142.1	143.4	142.7	142.4	142.3	143.4	143.1
175°	142.6	141.0	140.1	141.1	140.5	141.9	141.4	141.0	140.9	142.0	141.9
177.5°	142.5	140.9	140.2	141.1	140.3	141.9	141.4	141.1	141.1	142.1	142.0
180°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	141.2	141.6	141.6	141.4	141.3	141.4	141.2	141.6	141.3	140.5	141.0
5°	141.0	141.5	141.4	141.2	140.8	141.0	140.8	141.2	140.7	140.0	140.3
7.5°	142.2	142.8	142.4	142.3	141.7	141.9	141.6	141.8	141.3	140.5	140.8
10°	143.8	144.6	143.8	143.7	142.7	143.0	142.6	142.6	142.0	141.2	141.3
12.5°	144.9	145.7	144.7	144.4	143.3	143.5	142.7	142.6	141.9	140.9	140.9
15°	145.8	146.5	145.3	144.9	143.5	143.6	142.6	142.1	141.3	140.1	139.8
17.5°	147.2	147.9	146.4	145.9	144.0	143.9	142.7	141.9	141.0	139.6	139.1
20°	149.0	149.7	148.0	147.2	145.0	144.9	143.4	142.2	141.0	139.3	138.4
22.5°	150.3	151.0	149.0	148.2	145.6	145.2	143.5	141.8	140.3	138.4	136.9
25°	151.6	152.2	149.8	148.8	145.8	145.2	143.1	141.0	139.1	136.9	135.1
27.5°	153.2	153.7	150.9	149.7	146.2	145.5	142.8	140.2	138.0	135.2	133.0
30°	155.3	155.8	152.7	151.2	147.2	146.1	142.9	139.9	137.1	133.9	131.1
32.5°	157.0	157.2	153.9	152.1	147.5	146.1	142.6	138.7	135.6	131.9	128.4
35°	158.0	157.8	154.1	152.1	147.2	145.4	141.4	136.9	133.2	129.1	125.0
37.5°	158.5	158.2	154.2	151.9	146.4	144.2	139.6	134.6	130.5	125.8	120.9
40°	159.0	158.4	154.1	151.5	145.5	142.8	137.9	132.3	127.7	122.6	117.1
42.5°	159.2	158.4	153.7	150.8	144.3	141.4	135.8	129.8	124.7	119.2	113.2
45°	158.3	157.0	152.1	148.9	142.1	138.6	132.8	126.3	120.9	115.1	108.7
47.5°	155.8	154.1	149.3	145.7	138.6	134.9	128.9	121.9	116.3	110.4	103.7
50°	152.5	150.5	145.5	141.7	134.4	130.4	124.2	117.1	111.4	105.3	98.4
52.5°	148.3	146.0	140.8	136.9	129.4	125.3	118.9	111.7	106.2	99.9	92.9
55°	142.7	140.3	135.1	131.0	123.5	119.3	113.0	105.7	100.0	93.9	87.0
57.5°	136.4	133.4	128.2	123.8	116.5	112.3	106.1	99.1	93.7	87.6	80.8
60°	128.3	125.3	120.0	115.7	108.5	104.4	98.5	92.0	86.5	80.7	74.2
62.5°	118.9	116.1	111.0	106.1	99.9	95.6	90.1	84.1	79.0	73.4	67.4
65°	109.1	106.2	101.9	97.2	91.1	87.0	81.9	76.2	71.6	66.3	60.7
67.5°	97.9	95.2	91.2	86.8	81.2	78.0	72.8	67.5	63.3	58.7	53.7
70°	86.3	83.5	80.2	75.9	71.2	67.5	63.5	58.7	55.1	51.0	46.5
72.5°	74.1	71.6	68.4	64.7	60.2	57.8	53.8	49.7	46.4	43.0	39.3
75°	61.7	59.5	56.8	53.5	49.6	47.5	44.1	40.7	37.9	35.1	32.0
77.5°	49.5	47.6	45.4	43.1	39.2	37.4	34.8	31.9	29.8	27.5	25.1
80°	37.4	36.0	34.2	32.1	29.4	27.8	25.7	23.5	21.6	20.2	18.8
82.5°	26.4	25.2	23.9	22.3	20.4	18.9	17.4	15.7	14.4	13.6	12.6
85°	16.9	16.1	15.2	14.0	12.6	11.7	10.4	9.2	8.3	7.9	7.5
87.5°	10.2	9.4	8.6	8.2	7.0	6.3	5.4	4.5	4.2	4.0	4.0
90°	7.0	6.4	5.9	5.3	4.8	4.2	3.5	2.9	2.6	2.6	2.8
92.5°	10.2	9.4	8.6	8.2	7.0	6.3	5.4	4.5	4.2	4.0	4.0
95°	16.9	16.1	15.2	14.0	12.6	11.7	10.4	9.2	8.3	7.9	7.5
97.5°	26.4	25.2	23.9	22.3	20.4	18.9	17.4	15.7	14.4	13.6	12.6
100°	37.4	36.0	34.2	32.1	29.4	27.8	25.7	23.5	21.6	20.2	18.8
102.5°	49.5	47.6	45.4	43.1	39.2	37.4	34.8	31.9	29.8	27.5	25.1
105°	61.7	59.5	56.8	53.5	49.6	47.5	44.1	40.7	37.9	35.1	32.0
107.5°	74.1	71.6	68.4	64.7	60.2	57.8	53.8	49.7	46.4	43.0	39.3
110°	86.3	83.5	80.2	75.9	71.2	67.5	63.5	58.7	55.1	51.0	46.5



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	97.9	95.2	91.2	86.8	81.2	78.0	72.8	67.5	63.3	58.7	53.7
115°	109.1	106.2	101.9	97.2	91.1	87.0	81.9	76.2	71.6	66.3	60.7
117.5°	118.9	116.1	111.0	106.1	99.9	95.6	90.1	84.1	79.0	73.4	67.4
120°	128.3	125.3	120.0	115.7	108.5	104.4	98.5	92.0	86.5	80.7	74.2
122.5°	136.4	133.4	128.2	123.8	116.5	112.3	106.1	99.1	93.7	87.6	80.8
125°	142.7	140.3	135.1	131.0	123.5	119.3	113.0	105.7	100.0	93.9	87.0
127.5°	148.3	146.0	140.8	136.9	129.4	125.3	118.9	111.7	106.2	99.9	92.9
130°	152.5	150.5	145.5	141.7	134.4	130.4	124.2	117.1	111.4	105.3	98.4
132.5°	155.8	154.1	149.3	145.7	138.6	134.9	128.9	121.9	116.3	110.4	103.7
135°	158.3	157.0	152.1	148.9	142.1	138.6	132.8	126.3	120.9	115.1	108.7
137.5°	159.2	158.4	153.7	150.8	144.3	141.4	135.8	129.8	124.7	119.2	113.2
140°	159.0	158.4	154.1	151.5	145.5	142.8	137.9	132.3	127.7	122.6	117.1
142.5°	158.5	158.2	154.2	151.9	146.4	144.2	139.6	134.6	130.5	125.8	120.9
145°	158.0	157.8	154.1	152.1	147.2	145.4	141.4	136.9	133.2	129.1	125.0
147.5°	157.0	157.2	153.9	152.1	147.5	146.1	142.6	138.7	135.6	131.9	128.4
150°	155.3	155.8	152.7	151.2	147.2	146.1	142.9	139.9	137.1	133.9	131.1
152.5°	153.2	153.7	150.9	149.7	146.2	145.5	142.8	140.2	138.0	135.2	133.0
155°	151.6	152.2	149.8	148.8	145.8	145.2	143.1	141.0	139.1	136.9	135.1
157.5°	150.3	151.0	149.0	148.2	145.6	145.2	143.5	141.8	140.3	138.4	136.9
160°	149.0	149.7	148.0	147.2	145.0	144.9	143.4	142.2	141.0	139.3	138.4
162.5°	147.2	147.9	146.4	145.9	144.0	143.9	142.7	141.9	141.0	139.6	139.1
165°	145.8	146.5	145.3	144.9	143.5	143.6	142.6	142.1	141.3	140.1	139.8
167.5°	144.9	145.7	144.7	144.4	143.3	143.5	142.7	142.6	141.9	140.9	140.9
170°	143.8	144.6	143.8	143.7	142.7	143.0	142.6	142.6	142.0	141.2	141.3
172.5°	142.2	142.8	142.4	142.3	141.7	141.9	141.6	141.8	141.3	140.5	140.8
175°	141.0	141.5	141.4	141.2	140.8	141.0	140.8	141.2	140.7	140.0	140.3
177.5°	141.2	141.6	141.6	141.4	141.3	141.4	141.2	141.6	141.3	140.5	141.0
180°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0
2.5°	140.5	142.0	140.9	140.3	140.9	140.4	140.3	141.4	139.9	139.3	139.1
5°	139.7	141.2	140.1	139.3	140.0	139.2	139.1	140.2	138.7	138.0	137.7
7.5°	140.1	141.5	140.3	139.4	140.1	139.1	138.9	139.8	138.4	137.7	137.4
10°	140.4	141.6	140.3	139.3	140.1	138.8	138.5	139.3	138.0	137.0	136.7
12.5°	139.9	140.8	139.4	138.2	139.0	137.3	137.0	137.6	136.2	135.2	134.8
15°	138.7	139.3	137.8	136.5	137.2	135.2	134.6	135.1	133.7	132.5	132.2
17.5°	137.7	138.1	136.3	134.8	135.4	133.1	132.5	132.7	131.2	129.9	129.3
20°	136.9	136.9	134.9	133.2	133.5	131.1	130.0	130.0	128.7	127.1	126.4
22.5°	135.0	134.6	132.6	130.5	130.6	127.8	126.6	126.4	124.7	123.0	122.3
25°	132.7	131.8	129.3	127.1	126.7	123.8	122.4	121.9	120.3	118.3	117.4
27.5°	130.1	128.7	125.9	123.3	122.7	119.4	117.8	117.0	115.3	113.1	112.4
30°	127.7	125.6	122.5	119.6	118.5	115.0	113.2	112.1	110.5	108.2	107.4
32.5°	124.5	121.8	118.1	114.8	113.4	109.7	107.9	106.5	104.9	102.7	102.2
35°	120.6	117.2	113.0	109.4	107.6	103.7	101.7	100.2	98.9	96.7	96.0
37.5°	116.3	112.2	107.6	103.7	101.4	97.5	95.5	93.9	92.6	90.6	89.9
40°	111.9	107.4	102.3	97.9	95.5	91.5	89.4	87.8	86.6	84.2	83.1
42.5°	107.6	102.5	96.9	92.3	89.7	85.7	83.7	82.0	80.1	77.4	75.9
45°	102.6	97.0	91.2	86.5	83.6	79.7	77.6	75.2	73.1	70.1	67.7
47.5°	97.3	91.3	85.3	80.6	77.5	73.7	70.9	68.0	65.4	61.4	53.2
50°	91.8	85.6	79.5	75.0	71.6	67.4	64.3	60.6	53.5	47.6	44.1
52.5°	86.1	79.8	73.8	69.3	65.7	61.2	57.4	48.7	43.9	40.2	37.1
55°	80.4	74.1	68.2	63.8	59.7	54.8	47.0	40.9	37.3	34.0	30.8
57.5°	74.4	68.2	62.4	58.0	53.4	45.5	40.2	35.1	31.8	28.1	24.4
60°	68.2	62.4	57.0	52.1	46.3	38.8	35.1	29.9	26.3	20.9	16.6
62.5°	61.8	56.4	51.0	46.4	39.5	33.7	29.9	24.6	19.3	15.5	11.4
65°	55.6	50.7	45.5	39.5	34.4	29.2	25.1	19.9	15.4	11.5	8.3
67.5°	49.2	44.6	40.3	34.3	29.8	25.3	21.1	16.3	12.4	9.7	7.3
70°	43.0	38.6	34.7	29.7	25.7	21.7	17.9	14.1	10.9	8.6	6.3
72.5°	36.1	32.6	29.2	25.1	21.7	18.5	15.4	12.1	9.4	7.4	5.5
75°	29.8	26.8	24.1	20.7	18.1	15.3	12.7	10.1	7.9	6.2	4.6
77.5°	23.5	21.1	19.1	16.5	14.3	12.2	10.2	8.1	6.4	5.1	3.8
80°	17.4	15.7	14.2	12.2	10.9	9.2	7.8	6.3	5.1	4.0	2.9
82.5°	12.0	10.8	9.7	8.6	7.6	6.6	5.8	4.7	3.8	3.0	2.3
85°	7.3	6.7	6.2	5.5	5.1	4.4	4.0	3.3	2.8	2.2	1.7
87.5°	4.0	3.9	3.8	3.6	3.2	2.9	2.7	2.4	2.1	1.7	1.5
90°	2.9	2.9	2.9	2.9	2.8	2.6	2.4	2.2	2.0	1.7	1.3
92.5°	4.0	3.9	3.8	3.6	3.2	2.9	2.7	2.4	2.1	1.7	1.5
95°	7.3	6.7	6.2	5.5	5.1	4.4	4.0	3.3	2.8	2.2	1.7
97.5°	12.0	10.8	9.7	8.6	7.6	6.6	5.8	4.7	3.8	3.0	2.3
100°	17.4	15.7	14.2	12.2	10.9	9.2	7.8	6.3	5.1	4.0	2.9
102.5°	23.5	21.1	19.1	16.5	14.3	12.2	10.2	8.1	6.4	5.1	3.8
105°	29.8	26.8	24.1	20.7	18.1	15.3	12.7	10.1	7.9	6.2	4.6
107.5°	36.1	32.6	29.2	25.1	21.7	18.5	15.4	12.1	9.4	7.4	5.5
110°	43.0	38.6	34.7	29.7	25.7	21.7	17.9	14.1	10.9	8.6	6.3



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	49.2	44.6	40.3	34.3	29.8	25.3	21.1	16.3	12.4	9.7	7.3
115°	55.6	50.7	45.5	39.5	34.4	29.2	25.1	19.9	15.4	11.5	8.3
117.5°	61.8	56.4	51.0	46.4	39.5	33.7	29.9	24.6	19.3	15.5	11.4
120°	68.2	62.4	57.0	52.1	46.3	38.8	35.1	29.9	26.3	20.9	16.6
122.5°	74.4	68.2	62.4	58.0	53.4	45.5	40.2	35.1	31.8	28.1	24.4
125°	80.4	74.1	68.2	63.8	59.7	54.8	47.0	40.9	37.3	34.0	30.8
127.5°	86.1	79.8	73.8	69.3	65.7	61.2	57.4	48.7	43.9	40.2	37.1
130°	91.8	85.6	79.5	75.0	71.6	67.4	64.3	60.6	53.5	47.6	44.1
132.5°	97.3	91.3	85.3	80.6	77.5	73.7	70.9	68.0	65.4	61.4	53.2
135°	102.6	97.0	91.2	86.5	83.6	79.7	77.6	75.2	73.1	70.1	67.7
137.5°	107.6	102.5	96.9	92.3	89.7	85.7	83.7	82.0	80.1	77.4	75.9
140°	111.9	107.4	102.3	97.9	95.5	91.5	89.4	87.8	86.6	84.2	83.1
142.5°	116.3	112.2	107.6	103.7	101.4	97.5	95.5	93.9	92.6	90.6	89.9
145°	120.6	117.2	113.0	109.4	107.6	103.7	101.7	100.2	98.9	96.7	96.0
147.5°	124.5	121.8	118.1	114.8	113.4	109.7	107.9	106.5	104.9	102.7	102.2
150°	127.7	125.6	122.5	119.6	118.5	115.0	113.2	112.1	110.5	108.2	107.4
152.5°	130.1	128.7	125.9	123.3	122.7	119.4	117.8	117.0	115.3	113.1	112.4
155°	132.7	131.8	129.3	127.1	126.7	123.8	122.4	121.9	120.3	118.3	117.4
157.5°	135.0	134.6	132.6	130.5	130.6	127.8	126.6	126.4	124.7	123.0	122.3
160°	136.9	136.9	134.9	133.2	133.5	131.1	130.0	130.0	128.7	127.1	126.4
162.5°	137.7	138.1	136.3	134.8	135.4	133.1	132.5	132.7	131.2	129.9	129.3
165°	138.7	139.3	137.8	136.5	137.2	135.2	134.6	135.1	133.7	132.5	132.2
167.5°	139.9	140.8	139.4	138.2	139.0	137.3	137.0	137.6	136.2	135.2	134.8
170°	140.4	141.6	140.3	139.3	140.1	138.8	138.5	139.3	138.0	137.0	136.7
172.5°	140.1	141.5	140.3	139.4	140.1	139.1	138.9	139.8	138.4	137.7	137.4
175°	139.7	141.2	140.1	139.3	140.0	139.2	139.1	140.2	138.7	138.0	137.7
177.5°	140.5	142.0	140.9	140.3	140.9	140.4	140.3	141.4	139.9	139.3	139.1
180°	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0	141.0



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	141.0	141.0	141.0	141.0	141.0
2.5°	139.7	140.3	139.0	139.7	139.1
5°	138.2	139.0	137.6	138.3	137.7
7.5°	137.9	138.5	137.1	137.9	137.2
10°	137.1	137.9	136.5	137.0	136.6
12.5°	135.2	136.0	134.5	135.1	134.7
15°	132.4	133.1	131.6	132.1	131.9
17.5°	129.3	130.1	128.6	128.9	128.9
20°	126.3	126.9	125.3	125.5	125.6
22.5°	121.9	122.5	120.8	120.9	120.8
25°	116.8	117.3	115.7	115.7	115.6
27.5°	111.7	112.1	110.5	110.4	110.4
30°	106.7	107.0	105.7	105.4	105.4
32.5°	101.2	101.4	100.2	99.8	99.7
35°	95.2	95.3	94.2	93.6	93.6
37.5°	88.9	88.4	87.0	86.4	86.4
40°	81.6	80.8	79.3	78.4	78.2
42.5°	73.8	72.6	70.9	69.8	69.5
45°	64.6	57.2	52.8	51.0	50.3
47.5°	47.4	44.7	42.6	41.4	40.9
50°	38.9	36.8	35.0	34.0	33.6
52.5°	32.4	30.2	28.7	27.2	26.7
55°	26.0	23.5	21.8	20.2	19.4
57.5°	17.5	13.9	12.0	10.4	10.4
60°	10.9	8.1	6.0	4.6	4.5
62.5°	6.4	3.5	1.4	0.4	0.2
65°	4.5	2.5	1.3	0.6	0.3
67.5°	4.0	2.3	1.2	0.6	0.3
70°	3.6	2.0	1.1	0.5	0.3
72.5°	3.1	1.8	1.0	0.5	0.4
75°	2.7	1.6	0.9	0.5	0.3
77.5°	2.2	1.4	0.8	0.5	0.3
80°	1.8	1.1	0.7	0.4	0.3
82.5°	1.6	1.0	0.6	0.4	0.4
85°	1.3	0.8	0.6	0.4	0.4
87.5°	1.1	0.8	0.6	0.4	0.4
90°	1.1	0.7	0.6	0.4	0.2
92.5°	1.1	0.8	0.6	0.4	0.4
95°	1.3	0.8	0.6	0.4	0.4
97.5°	1.6	1.0	0.6	0.4	0.4
100°	1.8	1.1	0.7	0.4	0.3
102.5°	2.2	1.4	0.8	0.5	0.3
105°	2.7	1.6	0.9	0.5	0.3
107.5°	3.1	1.8	1.0	0.5	0.4
110°	3.6	2.0	1.1	0.5	0.3



TEST NUMBER: P395002

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
112.5°	4.0	2.3	1.2	0.6	0.3
115°	4.5	2.5	1.3	0.6	0.3
117.5°	6.4	3.5	1.4	0.4	0.2
120°	10.9	8.1	6.0	4.6	4.5
122.5°	17.5	13.9	12.0	10.4	10.4
125°	26.0	23.5	21.8	20.2	19.4
127.5°	32.4	30.2	28.7	27.2	26.7
130°	38.9	36.8	35.0	34.0	33.6
132.5°	47.4	44.7	42.6	41.4	40.9
135°	64.6	57.2	52.8	51.0	50.3
137.5°	73.8	72.6	70.9	69.8	69.5
140°	81.6	80.8	79.3	78.4	78.2
142.5°	88.9	88.4	87.0	86.4	86.4
145°	95.2	95.3	94.2	93.6	93.6
147.5°	101.2	101.4	100.2	99.8	99.7
150°	106.7	107.0	105.7	105.4	105.4
152.5°	111.7	112.1	110.5	110.4	110.4
155°	116.8	117.3	115.7	115.7	115.6
157.5°	121.9	122.5	120.8	120.9	120.8
160°	126.3	126.9	125.3	125.5	125.6
162.5°	129.3	130.1	128.6	128.9	128.9
165°	132.4	133.1	131.6	132.1	131.9
167.5°	135.2	136.0	134.5	135.1	134.7
170°	137.1	137.9	136.5	137.0	136.6
172.5°	137.9	138.5	137.1	137.9	137.2
175°	138.2	139.0	137.6	138.3	137.7
177.5°	139.7	140.3	139.0	139.7	139.1
180°	141.0	141.0	141.0	141.0	141.0

(END OF REPORT)