

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: P395004

Luminaire Tested: **303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P395004
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-LEDB2-4000-UNV-T4-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, 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: 0.21' x H: 1.52')
CIE Type: General Diffuse

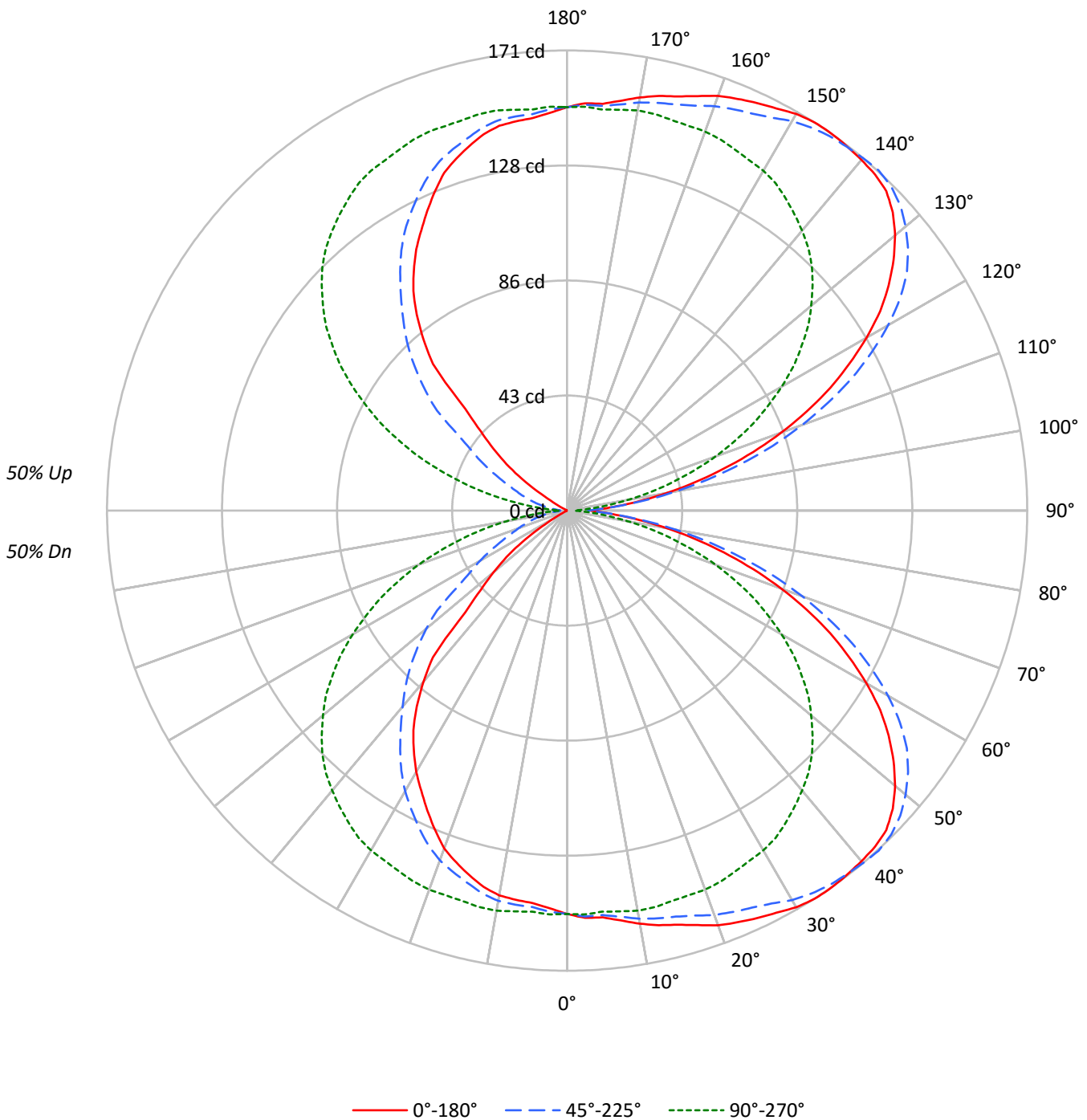
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	20653	20653	20653
5°	12806	15274	12359
10°	9539	12320	8884
15°	7690	10270	6772
20°	6578	8879	5359
25°	5770	7780	4244
30°	5195	6944	3422
35°	4711	6205	2742
40°	4296	5550	2099
45°	3941	4959	1257
50°	3517	4353	789
55°	3069	3761	433
60°	2597	3161	97
65°	2113	2560	6
70°	1619	1945	6
75°	1137	1330	6
80°	702	761	6
85°	345	294	7



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	1.4
10°-20°	42.4	4.1
20°-30°	67.6	6.6
30°-40°	86.8	8.5
40°-50°	94.9	9.2
50°-60°	87.7	8.5
60°-70°	67.3	6.6
70°-80°	39.7	3.9
80°-90°	12.6	1.2
90°-100°	12.6	1.2
100°-110°	39.7	3.9
110°-120°	67.3	6.6
120°-130°	87.7	8.5
130°-140°	94.9	9.2
140°-150°	86.8	8.5
150°-160°	67.6	6.6
160°-170°	42.4	4.1
170°-180°	14.3	1.4
0°-30°	124.4	12.1
0°-40°	211.2	20.6
0°-60°	393.7	38.3
0°-90°	513.5	50.0
90°-120°	119.7	11.7
90°-150°	389.1	37.9
90°-180°	513.0	50.0
0°-180°	1026.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	150	150	150	150	150	
5°	152	151	150	148	146	15
15°	159	156	150	143	140	45
25°	167	163	148	130	123	77
35°	171	170	142	108	100	107
45°	168	170	129	83	54	129
55°	146	154	106	50	21	130
65°	108	117	76	27	0	106
75°	60	67	40	14	0	64
85°	18	19	9	4	0	19
90°	9	8	3	2	0	6
95°	18	19	9	4	0	19
105°	60	67	40	14	0	64
115°	108	117	76	27	0	106
125°	146	154	106	50	21	130
135°	168	170	129	83	54	129
145°	171	170	142	108	100	107
155°	167	163	148	130	123	77
165°	159	156	150	143	140	45
175°	152	151	150	148	146	15
180°	150	150	150	150	150	



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
2.5°	151.5	149.8	149.1	150.0	149.3	150.9	150.3	150.0	150.0	151.1	151.0
5°	151.7	149.9	149.0	150.0	149.5	150.9	150.3	149.9	149.8	151.0	150.9
7.5°	153.6	151.6	150.6	151.8	151.1	152.5	151.8	151.4	151.3	152.5	152.2
10°	155.9	153.9	152.9	154.1	153.3	154.6	154.0	153.5	153.3	154.2	154.0
12.5°	157.8	155.6	154.8	155.9	155.0	156.3	155.7	154.9	154.8	155.6	155.2
15°	159.3	157.2	156.4	157.4	156.5	157.6	157.0	156.2	156.0	156.7	156.2
17.5°	161.5	159.3	158.5	159.6	158.7	159.3	158.7	158.1	158.0	158.5	157.8
20°	164.0	161.9	161.1	162.3	161.2	162.0	161.2	160.5	160.2	160.5	159.9
22.5°	165.6	163.5	163.0	164.2	163.1	163.7	163.1	162.4	162.2	162.4	161.4
25°	167.1	164.8	164.4	165.7	164.7	165.3	164.8	164.0	163.8	163.7	162.8
27.5°	168.5	166.3	166.0	167.4	166.5	167.1	166.7	166.1	165.8	165.6	164.6
30°	170.2	168.2	167.9	169.6	168.9	169.4	169.2	168.6	168.5	168.1	167.1
32.5°	171.1	169.3	169.3	171.0	170.7	171.3	171.2	170.7	170.5	170.1	168.8
35°	171.1	169.4	169.6	171.5	171.2	171.9	172.1	171.8	171.8	171.2	169.9
37.5°	170.7	169.3	169.7	171.6	171.4	172.1	172.7	172.4	172.5	172.0	170.5
40°	170.1	168.9	169.5	171.5	171.5	172.3	173.0	173.0	173.2	172.4	171.0
42.5°	169.4	168.3	169.1	171.1	171.2	172.0	173.4	173.4	173.6	172.8	171.4
45°	167.8	166.9	167.9	169.7	169.7	170.5	172.1	172.4	172.7	172.0	170.3
47.5°	164.1	163.3	164.6	166.5	167.0	167.7	169.7	170.0	170.5	169.6	167.9
50°	159.1	158.4	159.6	161.7	162.5	163.8	166.1	166.6	167.0	166.0	164.2
52.5°	152.9	152.5	153.7	155.8	157.1	158.5	160.9	161.9	162.6	161.8	159.7
55°	145.9	145.4	146.8	148.7	150.2	151.6	154.5	155.5	156.3	155.8	154.1
57.5°	137.9	137.5	138.9	140.6	142.2	143.5	146.7	147.8	148.6	148.2	146.7
60°	128.5	128.2	129.6	131.7	133.1	134.3	137.5	138.6	139.6	139.2	137.8
62.5°	118.2	118.0	119.3	120.9	122.8	123.8	127.1	128.2	129.2	128.5	127.7
65°	107.9	107.8	109.2	111.0	112.3	113.2	116.3	118.0	118.3	118.2	117.0
67.5°	96.4	96.3	97.6	99.3	100.5	101.3	104.2	105.7	106.1	106.1	105.1
70°	84.6	84.5	85.8	87.4	88.0	89.0	91.6	93.0	93.3	93.0	92.8
72.5°	72.5	72.4	73.5	74.7	75.8	76.4	78.6	79.9	80.0	80.0	80.1
75°	60.3	60.8	61.1	62.9	63.3	63.6	65.6	66.6	66.6	66.7	66.7
77.5°	48.6	48.5	49.3	50.9	51.1	51.3	52.8	53.5	53.5	53.6	53.5
80°	37.5	38.0	37.9	38.8	38.9	39.2	40.4	40.8	40.8	41.1	40.9
82.5°	27.1	27.7	27.5	28.3	28.3	28.3	29.0	29.1	29.0	29.2	29.1
85°	18.4	18.8	18.6	19.1	18.9	18.9	19.3	19.2	19.0	19.1	18.8
87.5°	12.0	12.1	12.0	12.5	12.4	12.0	12.1	11.8	11.5	11.4	11.2
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°	12.0	12.1	12.0	12.5	12.4	12.0	12.1	11.8	11.5	11.4	11.2
95°	18.4	18.8	18.6	19.1	18.9	18.9	19.3	19.2	19.0	19.1	18.8
97.5°	27.1	27.7	27.5	28.3	28.3	28.3	29.0	29.1	29.0	29.2	29.1
100°	37.5	38.0	37.9	38.8	38.9	39.2	40.4	40.8	40.8	41.1	40.9
102.5°	48.6	48.5	49.3	50.9	51.1	51.3	52.8	53.5	53.5	53.6	53.5
105°	60.3	60.8	61.1	62.9	63.3	63.6	65.6	66.6	66.6	66.7	66.7
107.5°	72.5	72.4	73.5	74.7	75.8	76.4	78.6	79.9	80.0	80.0	80.1
110°	84.6	84.5	85.8	87.4	88.0	89.0	91.6	93.0	93.3	93.0	92.8



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	96.4	96.3	97.6	99.3	100.5	101.3	104.2	105.7	106.1	106.1	105.1
115°	107.9	107.8	109.2	111.0	112.3	113.2	116.3	118.0	118.3	118.2	117.0
117.5°	118.2	118.0	119.3	120.9	122.8	123.8	127.1	128.2	129.2	128.5	127.7
120°	128.5	128.2	129.6	131.7	133.1	134.3	137.5	138.6	139.6	139.2	137.8
122.5°	137.9	137.5	138.9	140.6	142.2	143.5	146.7	147.8	148.6	148.2	146.7
125°	145.9	145.4	146.8	148.7	150.2	151.6	154.5	155.5	156.3	155.8	154.1
127.5°	152.9	152.5	153.7	155.8	157.1	158.5	160.9	161.9	162.6	161.8	159.7
130°	159.1	158.4	159.6	161.7	162.5	163.8	166.1	166.6	167.0	166.0	164.2
132.5°	164.1	163.3	164.6	166.5	167.0	167.7	169.7	170.0	170.5	169.6	167.9
135°	167.8	166.9	167.9	169.7	169.7	170.5	172.1	172.4	172.7	172.0	170.3
137.5°	169.4	168.3	169.1	171.1	171.2	172.0	173.4	173.4	173.6	172.8	171.4
140°	170.1	168.9	169.5	171.5	171.5	172.3	173.0	173.0	173.2	172.4	171.0
142.5°	170.7	169.3	169.7	171.6	171.4	172.1	172.7	172.4	172.5	172.0	170.5
145°	171.1	169.4	169.6	171.5	171.2	171.9	172.1	171.8	171.8	171.2	169.9
147.5°	171.1	169.3	169.3	171.0	170.7	171.3	171.2	170.7	170.5	170.1	168.8
150°	170.2	168.2	167.9	169.6	168.9	169.4	169.2	168.6	168.5	168.1	167.1
152.5°	168.5	166.3	166.0	167.4	166.5	167.1	166.7	166.1	165.8	165.6	164.6
155°	167.1	164.8	164.4	165.7	164.7	165.3	164.8	164.0	163.8	163.7	162.8
157.5°	165.6	163.5	163.0	164.2	163.1	163.7	163.1	162.4	162.2	162.4	161.4
160°	164.0	161.9	161.1	162.3	161.2	162.0	161.2	160.5	160.2	160.5	159.9
162.5°	161.5	159.3	158.5	159.6	158.7	159.3	158.7	158.1	158.0	158.5	157.8
165°	159.3	157.2	156.4	157.4	156.5	157.6	157.0	156.2	156.0	156.7	156.2
167.5°	157.8	155.6	154.8	155.9	155.0	156.3	155.7	154.9	154.8	155.6	155.2
170°	155.9	153.9	152.9	154.1	153.3	154.6	154.0	153.5	153.3	154.2	154.0
172.5°	153.6	151.6	150.6	151.8	151.1	152.5	151.8	151.4	151.3	152.5	152.2
175°	151.7	149.9	149.0	150.0	149.5	150.9	150.3	149.9	149.8	151.0	150.9
177.5°	151.5	149.8	149.1	150.0	149.3	150.9	150.3	150.0	150.0	151.1	151.0
180°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
2.5°	150.1	150.6	150.6	150.3	150.2	150.3	150.1	150.6	150.2	149.5	149.9
5°	149.9	150.5	150.3	150.1	149.7	149.9	149.7	150.1	149.6	148.9	149.3
7.5°	151.2	151.9	151.4	151.3	150.7	150.9	150.6	150.8	150.2	149.5	149.7
10°	152.9	153.8	153.0	152.8	151.8	152.1	151.6	151.6	151.0	150.1	150.2
12.5°	154.1	154.9	153.9	153.6	152.4	152.6	151.8	151.6	150.9	149.8	149.8
15°	155.0	155.8	154.5	154.1	152.6	152.7	151.6	151.1	150.2	149.0	148.7
17.5°	156.5	157.3	155.7	155.1	153.2	153.1	151.8	150.9	149.9	148.5	147.9
20°	158.5	159.2	157.4	156.6	154.2	154.1	152.5	151.2	149.9	148.2	147.2
22.5°	159.8	160.6	158.5	157.6	154.8	154.4	152.6	150.8	149.2	147.2	145.6
25°	161.2	161.9	159.3	158.3	155.0	154.4	152.2	149.9	147.9	145.5	143.7
27.5°	163.0	163.4	160.5	159.2	155.5	154.7	151.9	149.1	146.7	143.8	141.4
30°	165.2	165.7	162.4	160.8	156.5	155.4	152.0	148.8	145.8	142.4	139.4
32.5°	167.0	167.2	163.6	161.8	156.9	155.4	151.6	147.5	144.2	140.3	136.5
35°	168.0	167.8	163.9	161.8	156.5	154.6	150.3	145.5	141.6	137.3	132.9
37.5°	168.5	168.2	164.0	161.6	155.7	153.4	148.5	143.2	138.8	133.8	128.6
40°	169.1	168.4	163.8	161.1	154.7	151.9	146.6	140.7	135.8	130.4	124.5
42.5°	169.3	168.4	163.4	160.4	153.5	150.3	144.5	138.0	132.6	126.8	120.4
45°	168.3	167.0	161.8	158.4	151.1	147.4	141.2	134.3	128.6	122.5	115.6
47.5°	165.7	163.9	158.7	154.9	147.4	143.5	137.0	129.6	123.7	117.4	110.2
50°	162.2	160.0	154.7	150.7	142.9	138.7	132.0	124.5	118.4	112.0	104.7
52.5°	157.7	155.3	149.7	145.5	137.6	133.2	126.5	118.8	113.0	106.2	98.8
55°	151.8	149.3	143.7	139.3	131.4	126.9	120.2	112.4	106.3	99.9	92.5
57.5°	145.1	141.8	136.3	131.7	123.9	119.4	112.9	105.3	99.7	93.1	85.9
60°	136.4	133.2	127.6	123.0	115.4	111.0	104.8	97.8	92.0	85.8	78.9
62.5°	126.5	123.4	118.1	112.9	106.2	101.7	95.9	89.4	84.0	78.1	71.7
65°	116.0	113.0	108.4	103.4	96.8	92.5	87.1	81.0	76.1	70.5	64.6
67.5°	104.1	101.2	97.0	92.3	86.4	82.9	77.5	71.8	67.3	62.4	57.1
70°	91.7	88.8	85.3	80.7	75.7	71.8	67.5	62.4	58.6	54.3	49.5
72.5°	78.8	76.2	72.8	68.9	64.1	61.4	57.2	52.8	49.3	45.7	41.8
75°	65.6	63.3	60.4	56.9	52.7	50.6	46.9	43.3	40.3	37.4	34.0
77.5°	52.6	50.7	48.3	45.9	41.7	39.8	37.0	33.9	31.7	29.2	26.7
80°	39.8	38.2	36.4	34.1	31.3	29.5	27.3	24.9	23.0	21.5	20.0
82.5°	28.1	26.8	25.4	23.8	21.7	20.1	18.5	16.7	15.4	14.5	13.4
85°	18.0	17.1	16.1	14.9	13.4	12.4	11.1	9.8	8.8	8.4	8.0
87.5°	10.9	10.0	9.2	8.7	7.4	6.7	5.8	4.8	4.5	4.2	4.2
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°	10.9	10.0	9.2	8.7	7.4	6.7	5.8	4.8	4.5	4.2	4.2
95°	18.0	17.1	16.1	14.9	13.4	12.4	11.1	9.8	8.8	8.4	8.0
97.5°	28.1	26.8	25.4	23.8	21.7	20.1	18.5	16.7	15.4	14.5	13.4
100°	39.8	38.2	36.4	34.1	31.3	29.5	27.3	24.9	23.0	21.5	20.0
102.5°	52.6	50.7	48.3	45.9	41.7	39.8	37.0	33.9	31.7	29.2	26.7
105°	65.6	63.3	60.4	56.9	52.7	50.6	46.9	43.3	40.3	37.4	34.0
107.5°	78.8	76.2	72.8	68.9	64.1	61.4	57.2	52.8	49.3	45.7	41.8
110°	91.7	88.8	85.3	80.7	75.7	71.8	67.5	62.4	58.6	54.3	49.5



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	104.1	101.2	97.0	92.3	86.4	82.9	77.5	71.8	67.3	62.4	57.1
115°	116.0	113.0	108.4	103.4	96.8	92.5	87.1	81.0	76.1	70.5	64.6
117.5°	126.5	123.4	118.1	112.9	106.2	101.7	95.9	89.4	84.0	78.1	71.7
120°	136.4	133.2	127.6	123.0	115.4	111.0	104.8	97.8	92.0	85.8	78.9
122.5°	145.1	141.8	136.3	131.7	123.9	119.4	112.9	105.3	99.7	93.1	85.9
125°	151.8	149.3	143.7	139.3	131.4	126.9	120.2	112.4	106.3	99.9	92.5
127.5°	157.7	155.3	149.7	145.5	137.6	133.2	126.5	118.8	113.0	106.2	98.8
130°	162.2	160.0	154.7	150.7	142.9	138.7	132.0	124.5	118.4	112.0	104.7
132.5°	165.7	163.9	158.7	154.9	147.4	143.5	137.0	129.6	123.7	117.4	110.2
135°	168.3	167.0	161.8	158.4	151.1	147.4	141.2	134.3	128.6	122.5	115.6
137.5°	169.3	168.4	163.4	160.4	153.5	150.3	144.5	138.0	132.6	126.8	120.4
140°	169.1	168.4	163.8	161.1	154.7	151.9	146.6	140.7	135.8	130.4	124.5
142.5°	168.5	168.2	164.0	161.6	155.7	153.4	148.5	143.2	138.8	133.8	128.6
145°	168.0	167.8	163.9	161.8	156.5	154.6	150.3	145.5	141.6	137.3	132.9
147.5°	167.0	167.2	163.6	161.8	156.9	155.4	151.6	147.5	144.2	140.3	136.5
150°	165.2	165.7	162.4	160.8	156.5	155.4	152.0	148.8	145.8	142.4	139.4
152.5°	163.0	163.4	160.5	159.2	155.5	154.7	151.9	149.1	146.7	143.8	141.4
155°	161.2	161.9	159.3	158.3	155.0	154.4	152.2	149.9	147.9	145.5	143.7
157.5°	159.8	160.6	158.5	157.6	154.8	154.4	152.6	150.8	149.2	147.2	145.6
160°	158.5	159.2	157.4	156.6	154.2	154.1	152.5	151.2	149.9	148.2	147.2
162.5°	156.5	157.3	155.7	155.1	153.2	153.1	151.8	150.9	149.9	148.5	147.9
165°	155.0	155.8	154.5	154.1	152.6	152.7	151.6	151.1	150.2	149.0	148.7
167.5°	154.1	154.9	153.9	153.6	152.4	152.6	151.8	151.6	150.9	149.8	149.8
170°	152.9	153.8	153.0	152.8	151.8	152.1	151.6	151.6	151.0	150.1	150.2
172.5°	151.2	151.9	151.4	151.3	150.7	150.9	150.6	150.8	150.2	149.5	149.7
175°	149.9	150.5	150.3	150.1	149.7	149.9	149.7	150.1	149.6	148.9	149.3
177.5°	150.1	150.6	150.6	150.3	150.2	150.3	150.1	150.6	150.2	149.5	149.9
180°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9
2.5°	149.5	151.0	149.8	149.3	149.8	149.4	149.2	150.3	148.8	148.2	147.9
5°	148.6	150.1	149.0	148.2	148.9	148.1	147.9	149.1	147.5	146.8	146.4
7.5°	149.0	150.4	149.2	148.3	149.0	147.9	147.7	148.7	147.2	146.4	146.1
10°	149.4	150.6	149.3	148.2	149.0	147.6	147.3	148.2	146.7	145.7	145.3
12.5°	148.8	149.7	148.3	147.0	147.8	146.0	145.7	146.3	144.9	143.8	143.4
15°	147.5	148.2	146.5	145.2	145.9	143.8	143.2	143.7	142.2	140.9	140.6
17.5°	146.4	146.9	145.0	143.4	144.0	141.5	140.9	141.1	139.6	138.1	137.5
20°	145.5	145.6	143.5	141.6	142.0	139.4	138.3	138.3	136.8	135.2	134.4
22.5°	143.6	143.2	141.0	138.8	138.9	136.0	134.7	134.4	132.6	130.8	130.1
25°	141.1	140.2	137.5	135.2	134.8	131.7	130.2	129.6	127.9	125.8	124.9
27.5°	138.4	136.8	133.9	131.2	130.5	127.0	125.3	124.4	122.7	120.3	119.5
30°	135.9	133.6	130.3	127.2	126.0	122.3	120.4	119.2	117.6	115.1	114.2
32.5°	132.4	129.5	125.6	122.1	120.6	116.7	114.7	113.3	111.6	109.3	108.7
35°	128.2	124.6	120.2	116.3	114.4	110.3	108.2	106.6	105.1	102.8	102.1
37.5°	123.6	119.3	114.4	110.2	107.9	103.7	101.5	99.9	98.5	96.3	95.6
40°	119.0	114.2	108.8	104.2	101.5	97.3	95.1	93.4	92.1	89.6	88.4
42.5°	114.4	109.1	103.1	98.2	95.4	91.2	89.0	87.2	85.2	82.4	80.7
45°	109.2	103.2	97.0	92.0	88.9	84.8	82.6	80.0	77.8	74.5	72.0
47.5°	103.5	97.1	90.8	85.7	82.5	78.3	75.4	72.3	69.5	65.3	56.5
50°	97.6	91.1	84.5	79.7	76.2	71.7	68.4	64.5	56.9	50.7	46.9
52.5°	91.6	84.9	78.4	73.7	69.8	65.0	61.0	51.7	46.7	42.7	39.4
55°	85.5	78.8	72.5	67.9	63.5	58.3	50.0	43.5	39.7	36.2	32.8
57.5°	79.1	72.6	66.4	61.7	56.8	48.4	42.7	37.4	33.8	29.8	25.9
60°	72.5	66.3	60.6	55.5	49.2	41.3	37.4	31.8	28.0	22.2	17.6
62.5°	65.7	60.0	54.3	49.3	42.0	35.8	31.8	26.2	20.5	16.4	12.1
65°	59.2	53.9	48.4	42.0	36.6	31.1	26.7	21.1	16.3	12.2	8.8
67.5°	52.3	47.4	42.8	36.5	31.7	26.9	22.4	17.3	13.2	10.4	7.7
70°	45.7	41.1	36.9	31.6	27.3	23.1	19.1	15.0	11.6	9.1	6.7
72.5°	38.3	34.7	31.0	26.7	23.1	19.7	16.3	12.9	10.0	7.8	5.9
75°	31.7	28.5	25.6	22.0	19.3	16.2	13.5	10.8	8.4	6.6	4.9
77.5°	24.9	22.4	20.3	17.5	15.2	13.0	10.9	8.6	6.8	5.4	4.0
80°	18.5	16.7	15.1	13.0	11.5	9.8	8.3	6.7	5.4	4.2	3.1
82.5°	12.7	11.4	10.4	9.1	8.1	7.0	6.2	5.0	4.0	3.2	2.4
85°	7.7	7.1	6.6	5.9	5.4	4.7	4.2	3.5	2.9	2.3	1.9
87.5°	4.3	4.1	4.0	3.8	3.4	3.1	2.8	2.5	2.2	1.9	1.6
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°	4.3	4.1	4.0	3.8	3.4	3.1	2.8	2.5	2.2	1.9	1.6
95°	7.7	7.1	6.6	5.9	5.4	4.7	4.2	3.5	2.9	2.3	1.9
97.5°	12.7	11.4	10.4	9.1	8.1	7.0	6.2	5.0	4.0	3.2	2.4
100°	18.5	16.7	15.1	13.0	11.5	9.8	8.3	6.7	5.4	4.2	3.1
102.5°	24.9	22.4	20.3	17.5	15.2	13.0	10.9	8.6	6.8	5.4	4.0
105°	31.7	28.5	25.6	22.0	19.3	16.2	13.5	10.8	8.4	6.6	4.9
107.5°	38.3	34.7	31.0	26.7	23.1	19.7	16.3	12.9	10.0	7.8	5.9
110°	45.7	41.1	36.9	31.6	27.3	23.1	19.1	15.0	11.6	9.1	6.7



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	52.3	47.4	42.8	36.5	31.7	26.9	22.4	17.3	13.2	10.4	7.7
115°	59.2	53.9	48.4	42.0	36.6	31.1	26.7	21.1	16.3	12.2	8.8
117.5°	65.7	60.0	54.3	49.3	42.0	35.8	31.8	26.2	20.5	16.4	12.1
120°	72.5	66.3	60.6	55.5	49.2	41.3	37.4	31.8	28.0	22.2	17.6
122.5°	79.1	72.6	66.4	61.7	56.8	48.4	42.7	37.4	33.8	29.8	25.9
125°	85.5	78.8	72.5	67.9	63.5	58.3	50.0	43.5	39.7	36.2	32.8
127.5°	91.6	84.9	78.4	73.7	69.8	65.0	61.0	51.7	46.7	42.7	39.4
130°	97.6	91.1	84.5	79.7	76.2	71.7	68.4	64.5	56.9	50.7	46.9
132.5°	103.5	97.1	90.8	85.7	82.5	78.3	75.4	72.3	69.5	65.3	56.5
135°	109.2	103.2	97.0	92.0	88.9	84.8	82.6	80.0	77.8	74.5	72.0
137.5°	114.4	109.1	103.1	98.2	95.4	91.2	89.0	87.2	85.2	82.4	80.7
140°	119.0	114.2	108.8	104.2	101.5	97.3	95.1	93.4	92.1	89.6	88.4
142.5°	123.6	119.3	114.4	110.2	107.9	103.7	101.5	99.9	98.5	96.3	95.6
145°	128.2	124.6	120.2	116.3	114.4	110.3	108.2	106.6	105.1	102.8	102.1
147.5°	132.4	129.5	125.6	122.1	120.6	116.7	114.7	113.3	111.6	109.3	108.7
150°	135.9	133.6	130.3	127.2	126.0	122.3	120.4	119.2	117.6	115.1	114.2
152.5°	138.4	136.8	133.9	131.2	130.5	127.0	125.3	124.4	122.7	120.3	119.5
155°	141.1	140.2	137.5	135.2	134.8	131.7	130.2	129.6	127.9	125.8	124.9
157.5°	143.6	143.2	141.0	138.8	138.9	136.0	134.7	134.4	132.6	130.8	130.1
160°	145.5	145.6	143.5	141.6	142.0	139.4	138.3	138.3	136.8	135.2	134.4
162.5°	146.4	146.9	145.0	143.4	144.0	141.5	140.9	141.1	139.6	138.1	137.5
165°	147.5	148.2	146.5	145.2	145.9	143.8	143.2	143.7	142.2	140.9	140.6
167.5°	148.8	149.7	148.3	147.0	147.8	146.0	145.7	146.3	144.9	143.8	143.4
170°	149.4	150.6	149.3	148.2	149.0	147.6	147.3	148.2	146.7	145.7	145.3
172.5°	149.0	150.4	149.2	148.3	149.0	147.9	147.7	148.7	147.2	146.4	146.1
175°	148.6	150.1	149.0	148.2	148.9	148.1	147.9	149.1	147.5	146.8	146.4
177.5°	149.5	151.0	149.8	149.3	149.8	149.4	149.2	150.3	148.8	148.2	147.9
180°	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9	149.9



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	149.9	149.9	149.9	149.9	149.9
2.5°	148.6	149.3	147.8	148.6	147.9
5°	147.0	147.8	146.3	147.1	146.4
7.5°	146.6	147.3	145.8	146.6	145.9
10°	145.8	146.6	145.2	145.7	145.2
12.5°	143.8	144.7	143.0	143.7	143.3
15°	140.8	141.5	140.0	140.5	140.3
17.5°	137.5	138.4	136.7	137.0	137.1
20°	134.3	135.0	133.2	133.5	133.6
22.5°	129.6	130.3	128.4	128.6	128.4
25°	124.2	124.7	123.0	123.0	122.9
27.5°	118.7	119.2	117.5	117.4	117.4
30°	113.5	113.8	112.4	112.1	112.1
32.5°	107.6	107.8	106.6	106.1	106.0
35°	101.2	101.3	100.2	99.6	99.6
37.5°	94.6	94.0	92.5	91.8	91.8
40°	86.8	86.0	84.3	83.3	83.1
42.5°	78.4	77.2	75.4	74.2	73.9
45°	68.7	60.8	56.1	54.2	53.5
47.5°	50.4	47.5	45.3	44.0	43.5
50°	41.4	39.1	37.3	36.2	35.7
52.5°	34.4	32.1	30.5	29.0	28.4
55°	27.7	24.9	23.2	21.5	20.6
57.5°	18.6	14.8	12.7	11.1	11.1
60°	11.6	8.6	6.4	4.9	4.8
62.5°	6.8	3.7	1.5	0.4	0.2
65°	4.8	2.6	1.4	0.6	0.3
67.5°	4.3	2.4	1.3	0.6	0.3
70°	3.8	2.2	1.2	0.5	0.3
72.5°	3.3	2.0	1.1	0.5	0.4
75°	2.8	1.7	1.0	0.5	0.3
77.5°	2.3	1.5	0.9	0.5	0.3
80°	2.0	1.2	0.8	0.4	0.3
82.5°	1.7	1.1	0.7	0.4	0.4
85°	1.4	0.9	0.6	0.4	0.4
87.5°	1.2	0.9	0.6	0.4	0.4
90°	1.2	0.8	0.6	0.4	0.2
92.5°	1.2	0.9	0.6	0.4	0.4
95°	1.4	0.9	0.6	0.4	0.4
97.5°	1.7	1.1	0.7	0.4	0.4
100°	2.0	1.2	0.8	0.4	0.3
102.5°	2.3	1.5	0.9	0.5	0.3
105°	2.8	1.7	1.0	0.5	0.3
107.5°	3.3	2.0	1.1	0.5	0.4
110°	3.8	2.2	1.2	0.5	0.3



TEST NUMBER: P395004

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
112.5°	4.3	2.4	1.3	0.6	0.3
115°	4.8	2.6	1.4	0.6	0.3
117.5°	6.8	3.7	1.5	0.4	0.2
120°	11.6	8.6	6.4	4.9	4.8
122.5°	18.6	14.8	12.7	11.1	11.1
125°	27.7	24.9	23.2	21.5	20.6
127.5°	34.4	32.1	30.5	29.0	28.4
130°	41.4	39.1	37.3	36.2	35.7
132.5°	50.4	47.5	45.3	44.0	43.5
135°	68.7	60.8	56.1	54.2	53.5
137.5°	78.4	77.2	75.4	74.2	73.9
140°	86.8	86.0	84.3	83.3	83.1
142.5°	94.6	94.0	92.5	91.8	91.8
145°	101.2	101.3	100.2	99.6	99.6
147.5°	107.6	107.8	106.6	106.1	106.0
150°	113.5	113.8	112.4	112.1	112.1
152.5°	118.7	119.2	117.5	117.4	117.4
155°	124.2	124.7	123.0	123.0	122.9
157.5°	129.6	130.3	128.4	128.6	128.4
160°	134.3	135.0	133.2	133.5	133.6
162.5°	137.5	138.4	136.7	137.0	137.1
165°	140.8	141.5	140.0	140.5	140.3
167.5°	143.8	144.7	143.0	143.7	143.3
170°	145.8	146.6	145.2	145.7	145.2
172.5°	146.6	147.3	145.8	146.6	145.9
175°	147.0	147.8	146.3	147.1	146.4
177.5°	148.6	149.3	147.8	148.6	147.9
180°	149.9	149.9	149.9	149.9	149.9

(END OF REPORT)