

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: P394992

Luminaire Tested: **303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-1)
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-T2-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1013.8 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.71 / 1.67
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 1.52')
CIE Type: General Diffuse

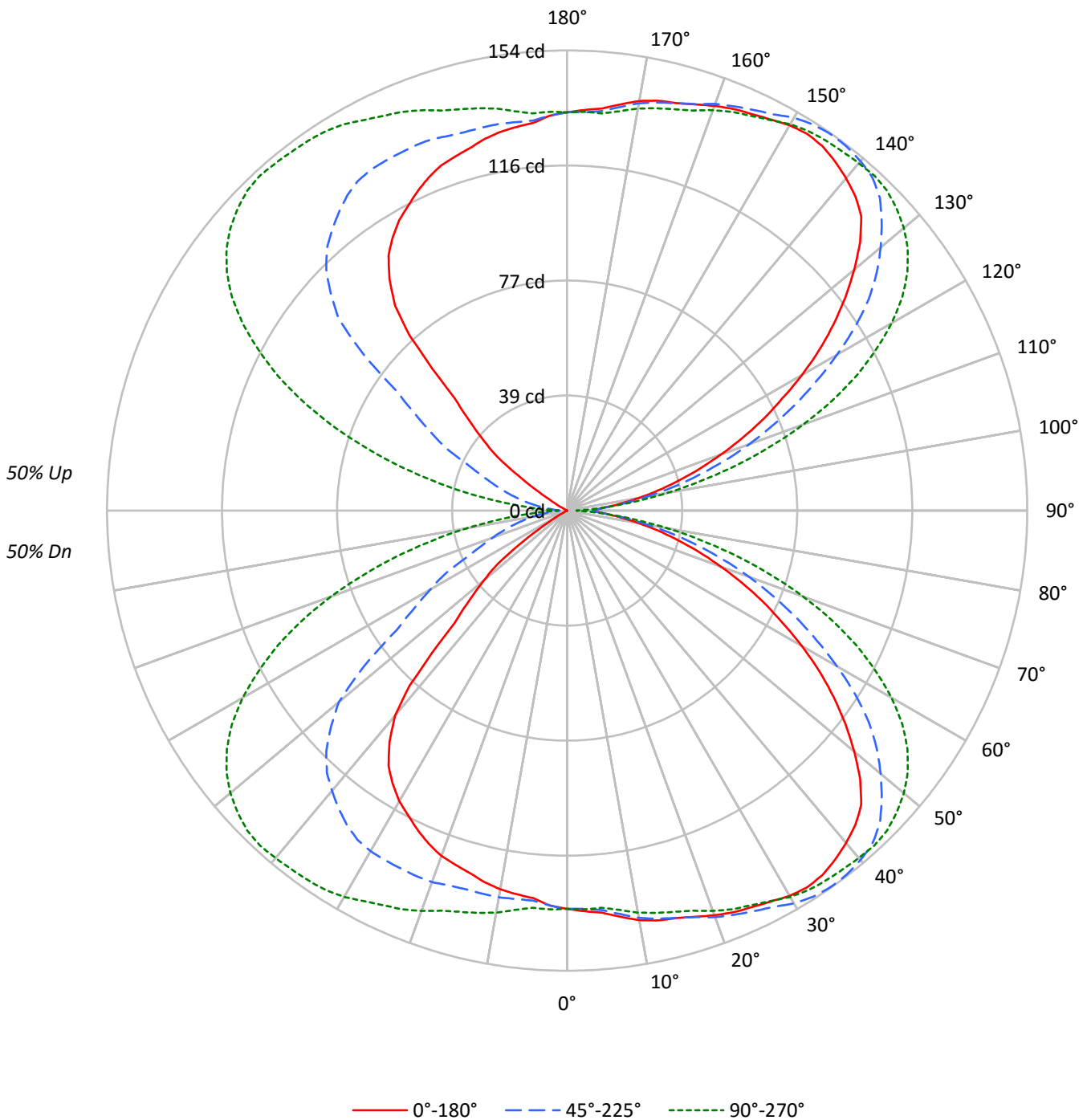
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

Luminous Intensity Polar Plot





TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

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	74	69	64	63	59	55	52	49	47	43	40	39	34
3	80	70	63	57	74	65	58	53	55	50	46	46	42	39	37	35	32	28
4	73	62	54	48	67	57	50	45	49	43	39	41	36	33	33	30	27	24
5	67	55	47	40	61	51	43	38	43	37	33	36	32	28	29	26	24	20
6	61	49	41	35	56	46	38	33	39	33	28	32	28	24	27	23	20	17
7	57	44	36	30	52	41	34	28	35	29	25	29	25	21	24	21	18	15
8	52	40	32	26	48	37	30	25	32	26	22	27	22	19	22	18	16	13
9	49	36	29	23	45	34	27	22	29	23	19	24	20	17	20	17	14	12
10	45	33	26	21	42	31	24	20	27	21	17	22	18	15	19	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	18366	18366	18366
5°	11405	13620	10991
10°	8517	11145	7875
15°	6816	9504	6063
20°	5780	8447	4933
25°	5056	7664	4078
30°	4545	7111	3428
35°	4100	6621	2869
40°	3667	6203	2260
45°	3269	5838	1252
50°	2772	5408	805
55°	2291	4918	370
60°	1833	4308	67
65°	1418	3596	2
70°	1047	2788	2
75°	726	1934	4
80°	457	1128	4
85°	249	424	2



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	1.3
10°-20°	38.7	3.8
20°-30°	64.6	6.4
30°-40°	87.5	8.6
40°-50°	98.0	9.7
50°-60°	89.2	8.8
60°-70°	66.2	6.5
70°-80°	38.0	3.7
80°-90°	12.0	1.2
90°-100°	12.0	1.2
100°-110°	38.0	3.7
110°-120°	66.2	6.5
120°-130°	89.2	8.8
130°-140°	98.0	9.7
140°-150°	87.5	8.6
150°-160°	64.6	6.4
160°-170°	38.7	3.8
170°-180°	12.8	1.3
0°-30°	116.0	11.4
0°-40°	203.6	20.1
0°-60°	390.8	38.5
0°-90°	506.9	50.0
90°-120°	116.1	11.5
90°-150°	390.9	38.6
90°-180°	507.0	50.0
0°-180°	1013.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	133	133	133	133	133	
5°	135	134	133	131	130	13
15°	141	141	139	131	126	40
25°	146	148	146	132	118	68
35°	149	154	151	128	104	93
45°	139	148	151	114	53	106
55°	109	123	139	70	18	97
65°	72	84	107	37	0	72
75°	38	45	59	19	0	41
85°	13	14	13	6	0	13
90°	9	8	3	3	0	5
95°	13	14	13	6	0	13
105°	38	45	59	19	0	41
115°	72	84	107	37	0	72
125°	109	123	139	70	18	97
135°	139	148	151	114	53	106
145°	149	154	151	128	104	93
155°	146	148	146	132	118	68
165°	141	141	139	131	126	40
175°	135	134	133	131	130	13
180°	133	133	133	133	133	



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	134.2	134.0	135.1	135.2	134.6	134.1	133.5	134.5	134.6	133.4	135.0
5°	135.1	134.8	135.9	136.0	135.5	134.8	134.4	135.3	135.3	134.2	135.6
7.5°	137.1	136.8	138.0	138.0	137.6	137.2	136.4	137.4	137.3	136.2	137.6
10°	139.2	139.1	140.3	140.3	139.9	139.4	138.7	139.7	139.4	138.4	139.6
12.5°	140.5	140.4	141.7	141.6	141.4	141.0	140.2	141.3	140.9	139.9	141.2
15°	141.2	141.2	142.6	142.6	142.2	141.9	141.2	142.3	142.0	141.1	142.2
17.5°	142.5	142.5	143.9	143.8	143.6	143.4	142.6	143.8	143.5	142.6	143.7
20°	144.1	144.2	145.8	145.6	145.5	145.4	144.6	145.8	145.5	144.8	145.6
22.5°	145.5	145.5	147.1	146.9	146.8	146.8	146.0	147.3	147.1	146.4	147.2
25°	146.4	146.5	148.0	147.9	147.7	147.9	147.2	148.8	148.4	147.9	148.6
27.5°	147.5	147.6	149.2	149.1	149.2	149.5	148.8	150.3	150.0	149.5	150.0
30°	148.9	149.1	150.7	150.6	150.8	151.2	150.7	152.2	152.0	151.8	152.1
32.5°	149.5	149.7	151.5	151.4	151.8	152.3	151.8	153.6	153.2	153.2	153.7
35°	148.9	149.2	150.8	150.8	151.4	152.1	151.8	153.6	153.5	153.8	154.2
37.5°	147.3	147.7	149.3	149.4	150.0	151.0	150.9	152.9	152.9	153.6	154.1
40°	145.2	145.6	147.2	147.3	148.2	149.2	149.2	151.2	151.5	152.7	153.6
42°	143.2	143.7	145.0	145.2	146.1	147.2	147.3	149.5	149.9	151.6	152.8
42.5°	142.8	143.2	144.5	144.6	145.5	146.6	146.8	149.0	149.4	151.2	152.4
45°	139.2	139.2	140.7	140.9	141.9	142.6	142.9	144.9	145.6	148.0	149.5
47.5°	133.0	133.2	134.4	135.0	136.5	137.6	138.0	139.8	140.3	142.8	144.9
50°	125.4	125.7	126.9	127.7	129.1	130.5	131.7	134.0	134.4	137.0	139.0
52.5°	117.4	117.7	118.6	119.4	121.0	122.5	123.9	126.6	127.8	130.6	132.2
55°	108.9	109.3	109.9	110.5	112.1	113.7	115.3	118.2	119.7	123.2	124.8
57.5°	100.1	100.0	101.5	101.5	103.0	104.5	106.1	108.9	110.4	114.2	116.7
60°	90.7	91.0	91.9	92.0	93.6	95.2	96.8	99.2	100.5	104.3	107.1
62.5°	81.1	81.4	81.2	82.2	83.8	85.4	87.3	89.6	90.6	94.2	96.8
65°	72.4	72.7	72.8	73.3	74.8	76.3	78.1	80.1	81.6	84.5	87.0
67.5°	63.5	63.6	63.3	64.2	65.6	67.0	68.5	70.4	71.6	74.4	76.5
70°	54.7	54.9	55.0	55.4	56.5	57.8	59.2	60.3	61.9	64.8	66.1
72.5°	46.4	46.6	46.2	46.8	47.9	48.6	50.2	51.1	52.3	54.9	56.0
75°	38.5	38.7	38.7	38.9	40.0	40.2	41.7	42.3	43.2	45.2	46.2
77.5°	31.2	31.2	31.3	31.4	31.9	32.4	33.5	33.8	34.7	36.2	36.3
80°	24.4	24.5	24.4	24.5	25.0	25.1	26.0	26.1	26.7	27.3	28.1
82.5°	18.3	18.4	18.3	18.3	18.8	18.8	19.3	19.2	19.5	19.8	19.7
85°	13.3	13.3	13.4	13.3	13.5	13.4	13.8	13.5	13.5	13.7	13.2
87.5°	9.9	10.0	10.1	10.0	10.1	9.8	10.0	9.7	9.5	9.4	8.6
90°	8.8	9.0	8.8	9.0	9.0	8.8	8.6	8.3	8.1	7.7	7.4
92.5°	9.9	10.0	10.1	10.0	10.1	9.8	10.0	9.7	9.5	9.4	8.6
95°	13.3	13.3	13.4	13.3	13.5	13.4	13.8	13.5	13.5	13.7	13.2
97.5°	18.3	18.4	18.3	18.3	18.8	18.8	19.3	19.2	19.5	19.8	19.7
100°	24.4	24.5	24.4	24.5	25.0	25.1	26.0	26.1	26.7	27.3	28.1
102.5°	31.2	31.2	31.3	31.4	31.9	32.4	33.5	33.8	34.7	36.2	36.3
105°	38.5	38.7	38.7	38.9	40.0	40.2	41.7	42.3	43.2	45.2	46.2
107.5°	46.4	46.6	46.2	46.8	47.9	48.6	50.2	51.1	52.3	54.9	56.0



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	54.7	54.9	55.0	55.4	56.5	57.8	59.2	60.3	61.9	64.8	66.1
112.5°	63.5	63.6	63.3	64.2	65.6	67.0	68.5	70.4	71.6	74.4	76.5
115°	72.4	72.7	72.8	73.3	74.8	76.3	78.1	80.1	81.6	84.5	87.0
117.5°	81.1	81.4	81.2	82.2	83.8	85.4	87.3	89.6	90.6	94.2	96.8
120°	90.7	91.0	91.9	92.0	93.6	95.2	96.8	99.2	100.5	104.3	107.1
122.5°	100.1	100.0	101.5	101.5	103.0	104.5	106.1	108.9	110.4	114.2	116.7
125°	108.9	109.3	109.9	110.5	112.1	113.7	115.3	118.2	119.7	123.2	124.8
127.5°	117.4	117.7	118.6	119.4	121.0	122.5	123.9	126.6	127.8	130.6	132.2
130°	125.4	125.7	126.9	127.7	129.1	130.5	131.7	134.0	134.4	137.0	139.0
132.5°	133.0	133.2	134.4	135.0	136.5	137.6	138.0	139.8	140.3	142.8	144.9
135°	139.2	139.2	140.7	140.9	141.9	142.6	142.9	144.9	145.6	148.0	149.5
137.5°	142.8	143.2	144.5	144.6	145.5	146.6	146.8	149.0	149.4	151.2	152.4
138°	143.2	143.7	145.0	145.2	146.1	147.2	147.3	149.5	149.9	151.6	152.8
140°	145.2	145.6	147.2	147.3	148.2	149.2	149.2	151.2	151.5	152.7	153.6
142.5°	147.3	147.7	149.3	149.4	150.0	151.0	150.9	152.9	152.9	153.6	154.1
145°	148.9	149.2	150.8	150.8	151.4	152.1	151.8	153.6	153.5	153.8	154.2
147.5°	149.5	149.7	151.5	151.4	151.8	152.3	151.8	153.6	153.2	153.2	153.7
150°	148.9	149.1	150.7	150.6	150.8	151.2	150.7	152.2	152.0	151.8	152.1
152.5°	147.5	147.6	149.2	149.1	149.2	149.5	148.8	150.3	150.0	149.5	150.0
155°	146.4	146.5	148.0	147.9	147.7	147.9	147.2	148.8	148.4	147.9	148.6
157.5°	145.5	145.5	147.1	146.9	146.8	146.8	146.0	147.3	147.1	146.4	147.2
160°	144.1	144.2	145.8	145.6	145.5	145.4	144.6	145.8	145.5	144.8	145.6
162.5°	142.5	142.5	143.9	143.8	143.6	143.4	142.6	143.8	143.5	142.6	143.7
165°	141.2	141.2	142.6	142.6	142.2	141.9	141.2	142.3	142.0	141.1	142.2
167.5°	140.5	140.4	141.7	141.6	141.4	141.0	140.2	141.3	140.9	139.9	141.2
170°	139.2	139.1	140.3	140.3	139.9	139.4	138.7	139.7	139.4	138.4	139.6
172.5°	137.1	136.8	138.0	138.0	137.6	137.2	136.4	137.4	137.3	136.2	137.6
175°	135.1	134.8	135.9	136.0	135.5	134.8	134.4	135.3	135.3	134.2	135.6
177.5°	134.2	134.0	135.1	135.2	134.6	134.1	133.5	134.5	134.6	133.4	135.0
180°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	133.8	134.9	133.4	134.1	134.2	133.4	133.5	133.5	133.6	134.5	133.4
5°	134.5	135.5	134.0	134.6	134.6	133.5	133.6	133.5	133.4	134.3	132.9
7.5°	136.3	137.3	135.8	136.2	136.0	135.0	135.2	135.0	134.8	135.5	134.0
10°	138.3	139.4	138.0	138.2	138.0	136.9	137.0	136.9	136.6	137.0	135.5
12.5°	139.8	140.9	139.5	139.8	139.5	138.3	138.4	138.3	137.9	138.2	136.6
15°	141.0	142.0	140.8	140.9	140.5	139.4	139.5	139.5	139.0	139.2	137.6
17.5°	142.6	143.7	142.5	142.4	142.3	141.1	141.2	141.2	140.4	140.8	139.2
20°	144.7	145.9	144.7	144.5	144.4	143.3	143.2	143.4	142.6	142.9	141.3
22.5°	146.4	147.4	146.6	146.2	146.0	144.9	144.9	145.1	144.4	144.5	142.9
25°	147.8	148.9	148.0	147.5	147.3	146.3	146.4	146.7	145.7	145.8	144.4
27.5°	149.5	150.4	149.7	149.2	148.8	147.9	147.9	148.3	147.3	147.2	145.9
30°	151.7	152.5	152.0	151.1	150.7	149.8	150.0	150.4	149.3	149.1	147.8
32.5°	153.3	154.2	153.8	152.9	152.5	151.6	151.5	151.8	150.5	150.3	149.1
35°	154.1	155.2	155.0	154.0	153.6	152.6	152.3	152.6	151.1	150.7	149.5
37.5°	154.6	155.9	155.8	155.0	154.6	153.5	153.1	153.2	151.4	150.8	149.5
40°	154.8	156.0	156.3	155.5	155.4	154.5	154.0	154.0	151.8	150.8	149.4
42°	154.4	155.9	156.4	156.0	156.2	155.3	154.6	154.4	152.0	151.0	149.3
42.5°	154.2	155.6	156.4	156.0	156.3	155.5	154.7	154.5	152.1	150.9	149.2
45°	152.0	153.9	155.0	155.2	155.6	155.2	154.3	154.1	151.4	149.8	148.0
47.5°	148.1	150.1	151.7	152.7	153.5	153.6	152.9	152.7	149.6	147.7	145.5
50°	142.8	145.1	147.2	148.7	150.3	151.1	150.5	150.3	147.1	144.9	142.3
52.5°	136.5	139.0	141.0	143.7	146.0	147.4	147.2	147.0	143.7	141.1	138.2
55°	128.9	131.5	134.2	137.2	140.3	142.5	142.6	142.5	139.0	136.1	133.2
57.5°	120.7	123.0	125.9	129.3	133.4	136.1	136.5	136.4	133.0	129.9	126.3
60°	111.6	113.6	116.5	120.2	124.6	127.9	128.8	128.9	125.4	122.3	119.0
62.5°	101.6	103.7	106.5	110.1	114.7	118.5	119.6	120.0	116.5	113.4	109.8
65°	91.6	93.7	96.8	100.1	104.7	108.6	109.7	110.1	106.9	104.0	100.9
67.5°	80.7	82.7	85.6	88.8	93.3	97.1	98.3	98.9	95.9	93.1	90.2
70°	69.7	71.4	74.0	77.2	81.2	84.2	86.0	86.5	84.0	81.4	78.9
72.5°	59.0	60.2	62.6	65.2	68.8	71.6	73.1	73.7	71.4	69.3	67.4
75°	48.4	49.5	51.5	53.5	56.4	59.3	60.1	60.7	58.6	56.9	55.5
77.5°	38.4	39.0	40.7	42.2	44.3	45.9	47.1	47.6	45.9	44.6	43.5
80°	29.0	29.2	30.5	31.4	32.8	33.7	34.6	34.8	34.1	32.6	32.1
82.5°	20.5	20.5	21.3	21.6	22.3	23.1	23.1	23.1	22.5	21.6	21.5
85°	13.5	13.2	13.8	13.5	13.4	13.8	13.3	13.2	12.7	12.5	12.5
87.5°	8.6	8.1	8.3	7.8	7.4	7.1	6.5	6.2	5.8	5.8	6.0
90°	6.8	6.4	6.4	5.9	5.2	4.6	4.0	3.5	3.1	3.1	3.3
92.5°	8.6	8.1	8.3	7.8	7.4	7.1	6.5	6.2	5.8	5.8	6.0
95°	13.5	13.2	13.8	13.5	13.4	13.8	13.3	13.2	12.7	12.5	12.5
97.5°	20.5	20.5	21.3	21.6	22.3	23.1	23.1	23.1	22.5	21.6	21.5
100°	29.0	29.2	30.5	31.4	32.8	33.7	34.6	34.8	34.1	32.6	32.1
102.5°	38.4	39.0	40.7	42.2	44.3	45.9	47.1	47.6	45.9	44.6	43.5
105°	48.4	49.5	51.5	53.5	56.4	59.3	60.1	60.7	58.6	56.9	55.5
107.5°	59.0	60.2	62.6	65.2	68.8	71.6	73.1	73.7	71.4	69.3	67.4



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	69.7	71.4	74.0	77.2	81.2	84.2	86.0	86.5	84.0	81.4	78.9
112.5°	80.7	82.7	85.6	88.8	93.3	97.1	98.3	98.9	95.9	93.1	90.2
115°	91.6	93.7	96.8	100.1	104.7	108.6	109.7	110.1	106.9	104.0	100.9
117.5°	101.6	103.7	106.5	110.1	114.7	118.5	119.6	120.0	116.5	113.4	109.8
120°	111.6	113.6	116.5	120.2	124.6	127.9	128.8	128.9	125.4	122.3	119.0
122.5°	120.7	123.0	125.9	129.3	133.4	136.1	136.5	136.4	133.0	129.9	126.3
125°	128.9	131.5	134.2	137.2	140.3	142.5	142.6	142.5	139.0	136.1	133.2
127.5°	136.5	139.0	141.0	143.7	146.0	147.4	147.2	147.0	143.7	141.1	138.2
130°	142.8	145.1	147.2	148.7	150.3	151.1	150.5	150.3	147.1	144.9	142.3
132.5°	148.1	150.1	151.7	152.7	153.5	153.6	152.9	152.7	149.6	147.7	145.5
135°	152.0	153.9	155.0	155.2	155.6	155.2	154.3	154.1	151.4	149.8	148.0
137.5°	154.2	155.6	156.4	156.0	156.3	155.5	154.7	154.5	152.1	150.9	149.2
138°	154.4	155.9	156.4	156.0	156.2	155.3	154.6	154.4	152.0	151.0	149.3
140°	154.8	156.0	156.3	155.5	155.4	154.5	154.0	154.0	151.8	150.8	149.4
142.5°	154.6	155.9	155.8	155.0	154.6	153.5	153.1	153.2	151.4	150.8	149.5
145°	154.1	155.2	155.0	154.0	153.6	152.6	152.3	152.6	151.1	150.7	149.5
147.5°	153.3	154.2	153.8	152.9	152.5	151.6	151.5	151.8	150.5	150.3	149.1
150°	151.7	152.5	152.0	151.1	150.7	149.8	150.0	150.4	149.3	149.1	147.8
152.5°	149.5	150.4	149.7	149.2	148.8	147.9	147.9	148.3	147.3	147.2	145.9
155°	147.8	148.9	148.0	147.5	147.3	146.3	146.4	146.7	145.7	145.8	144.4
157.5°	146.4	147.4	146.6	146.2	146.0	144.9	144.9	145.1	144.4	144.5	142.9
160°	144.7	145.9	144.7	144.5	144.4	143.3	143.2	143.4	142.6	142.9	141.3
162.5°	142.6	143.7	142.5	142.4	142.3	141.1	141.2	141.2	140.4	140.8	139.2
165°	141.0	142.0	140.8	140.9	140.5	139.4	139.5	139.5	139.0	139.2	137.6
167.5°	139.8	140.9	139.5	139.8	139.5	138.3	138.4	138.3	137.9	138.2	136.6
170°	138.3	139.4	138.0	138.2	138.0	136.9	137.0	136.9	136.6	137.0	135.5
172.5°	136.3	137.3	135.8	136.2	136.0	135.0	135.2	135.0	134.8	135.5	134.0
175°	134.5	135.5	134.0	134.6	134.6	133.5	133.6	133.5	133.4	134.3	132.9
177.5°	133.8	134.9	133.4	134.1	134.2	133.4	133.5	133.5	133.6	134.5	133.4
180°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	134.0	132.9	132.8	132.4	133.1	132.0	132.3	131.3	131.3	131.3	131.6
5°	133.4	132.2	132.0	131.4	132.0	130.7	131.0	129.9	129.6	129.5	129.7
7.5°	134.3	132.9	132.7	131.9	132.3	130.9	131.1	129.9	129.2	129.1	129.3
10°	135.6	134.1	133.7	132.7	133.0	131.4	131.4	130.0	129.2	128.8	128.9
12.5°	136.5	135.0	134.5	133.1	133.3	131.6	131.3	129.6	128.6	128.0	127.9
15°	137.4	135.7	135.1	133.4	133.5	131.7	131.2	129.1	127.7	126.8	126.6
17.5°	139.0	137.1	136.4	134.5	134.3	132.4	131.5	129.1	127.4	126.2	125.8
20°	140.9	139.1	138.2	136.0	135.7	133.4	132.3	129.5	127.4	125.9	125.3
22.5°	142.6	140.6	139.6	137.2	136.6	133.9	132.3	129.2	126.6	124.9	123.8
25°	143.7	141.8	140.6	137.9	137.0	134.2	132.1	128.7	125.5	123.3	121.9
27.5°	145.1	143.2	141.8	138.9	137.7	134.5	131.9	127.8	124.3	121.6	119.7
30°	147.0	144.8	143.5	139.9	138.4	134.7	131.6	127.3	123.1	120.1	117.7
32.5°	148.1	145.8	144.0	140.3	138.3	134.3	130.6	125.6	120.9	117.4	115.0
35°	148.2	145.9	143.8	139.6	137.3	132.6	128.5	123.1	118.0	114.1	111.3
37.5°	148.1	145.1	142.8	138.3	135.4	130.3	125.6	119.8	114.4	110.3	107.1
40°	147.5	144.5	141.6	136.5	133.0	127.7	122.4	116.3	110.4	105.3	101.3
42°	147.2	143.7	140.3	134.8	130.9	125.4	119.7	113.2	106.2	100.4	95.7
42.5°	146.8	143.4	139.7	134.4	130.4	124.6	119.0	112.2	105.0	99.1	94.1
45°	145.0	141.0	136.9	131.1	126.5	120.4	114.0	106.0	97.9	90.2	81.3
47.5°	142.3	137.7	132.9	126.6	121.5	114.9	107.2	98.2	86.5	71.4	60.7
50°	138.6	133.5	128.0	121.3	116.0	108.2	99.7	84.4	65.9	57.3	51.2
52.5°	134.0	128.4	122.3	115.4	108.8	100.3	85.9	66.5	55.5	49.2	43.7
55°	128.6	122.5	115.9	108.4	100.8	88.2	69.5	56.5	48.0	42.8	37.2
57.5°	121.7	115.4	108.3	100.4	90.1	71.8	60.4	49.6	41.5	36.1	28.1
60°	113.8	107.4	99.9	91.4	75.3	62.0	53.0	43.4	33.6	24.0	17.1
62.5°	104.8	98.5	90.9	79.5	65.3	54.5	46.2	34.6	23.4	17.9	12.5
65°	95.8	89.4	81.5	68.5	57.7	47.9	37.2	27.6	18.9	14.3	9.5
67.5°	85.4	79.5	71.6	59.9	50.3	41.1	31.2	23.3	15.7	12.0	8.4
70°	74.6	69.2	62.0	51.9	43.3	35.2	26.6	20.0	13.6	10.4	7.3
72.5°	63.4	58.7	52.7	43.9	36.6	29.7	22.5	16.8	11.6	8.8	6.3
75°	52.0	48.1	43.2	36.0	30.0	24.6	18.6	14.1	9.7	7.4	5.2
77.5°	40.9	37.8	34.1	28.4	23.7	19.2	14.8	11.4	7.9	5.9	4.3
80°	30.3	28.0	25.3	21.2	17.8	14.7	11.4	8.6	6.3	4.8	3.4
82.5°	20.3	18.9	17.2	14.6	12.4	10.5	8.1	6.4	4.6	3.5	2.7
85°	12.0	11.3	10.4	9.0	7.8	6.8	5.5	4.5	3.4	2.8	2.1
87.5°	6.0	5.7	5.4	5.1	4.5	4.1	3.4	2.9	2.4	1.9	1.5
90°	3.5	3.7	3.5	3.3	3.1	2.9	2.6	2.4	2.0	1.7	1.3
92.5°	6.0	5.7	5.4	5.1	4.5	4.1	3.4	2.9	2.4	1.9	1.5
95°	12.0	11.3	10.4	9.0	7.8	6.8	5.5	4.5	3.4	2.8	2.1
97.5°	20.3	18.9	17.2	14.6	12.4	10.5	8.1	6.4	4.6	3.5	2.7
100°	30.3	28.0	25.3	21.2	17.8	14.7	11.4	8.6	6.3	4.8	3.4
102.5°	40.9	37.8	34.1	28.4	23.7	19.2	14.8	11.4	7.9	5.9	4.3
105°	52.0	48.1	43.2	36.0	30.0	24.6	18.6	14.1	9.7	7.4	5.2
107.5°	63.4	58.7	52.7	43.9	36.6	29.7	22.5	16.8	11.6	8.8	6.3



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	74.6	69.2	62.0	51.9	43.3	35.2	26.6	20.0	13.6	10.4	7.3
112.5°	85.4	79.5	71.6	59.9	50.3	41.1	31.2	23.3	15.7	12.0	8.4
115°	95.8	89.4	81.5	68.5	57.7	47.9	37.2	27.6	18.9	14.3	9.5
117.5°	104.8	98.5	90.9	79.5	65.3	54.5	46.2	34.6	23.4	17.9	12.5
120°	113.8	107.4	99.9	91.4	75.3	62.0	53.0	43.4	33.6	24.0	17.1
122.5°	121.7	115.4	108.3	100.4	90.1	71.8	60.4	49.6	41.5	36.1	28.1
125°	128.6	122.5	115.9	108.4	100.8	88.2	69.5	56.5	48.0	42.8	37.2
127.5°	134.0	128.4	122.3	115.4	108.8	100.3	85.9	66.5	55.5	49.2	43.7
130°	138.6	133.5	128.0	121.3	116.0	108.2	99.7	84.4	65.9	57.3	51.2
132.5°	142.3	137.7	132.9	126.6	121.5	114.9	107.2	98.2	86.5	71.4	60.7
135°	145.0	141.0	136.9	131.1	126.5	120.4	114.0	106.0	97.9	90.2	81.3
137.5°	146.8	143.4	139.7	134.4	130.4	124.6	119.0	112.2	105.0	99.1	94.1
138°	147.2	143.7	140.3	134.8	130.9	125.4	119.7	113.2	106.2	100.4	95.7
140°	147.5	144.5	141.6	136.5	133.0	127.7	122.4	116.3	110.4	105.3	101.3
142.5°	148.1	145.1	142.8	138.3	135.4	130.3	125.6	119.8	114.4	110.3	107.1
145°	148.2	145.9	143.8	139.6	137.3	132.6	128.5	123.1	118.0	114.1	111.3
147.5°	148.1	145.8	144.0	140.3	138.3	134.3	130.6	125.6	120.9	117.4	115.0
150°	147.0	144.8	143.5	139.9	138.4	134.7	131.6	127.3	123.1	120.1	117.7
152.5°	145.1	143.2	141.8	138.9	137.7	134.5	131.9	127.8	124.3	121.6	119.7
155°	143.7	141.8	140.6	137.9	137.0	134.2	132.1	128.7	125.5	123.3	121.9
157.5°	142.6	140.6	139.6	137.2	136.6	133.9	132.3	129.2	126.6	124.9	123.8
160°	140.9	139.1	138.2	136.0	135.7	133.4	132.3	129.5	127.4	125.9	125.3
162.5°	139.0	137.1	136.4	134.5	134.3	132.4	131.5	129.1	127.4	126.2	125.8
165°	137.4	135.7	135.1	133.4	133.5	131.7	131.2	129.1	127.7	126.8	126.6
167.5°	136.5	135.0	134.5	133.1	133.3	131.6	131.3	129.6	128.6	128.0	127.9
170°	135.6	134.1	133.7	132.7	133.0	131.4	131.4	130.0	129.2	128.8	128.9
172.5°	134.3	132.9	132.7	131.9	132.3	130.9	131.1	129.9	129.2	129.1	129.3
175°	133.4	132.2	132.0	131.4	132.0	130.7	131.0	129.9	129.6	129.5	129.7
177.5°	134.0	132.9	132.8	132.4	133.1	132.0	132.3	131.3	131.3	131.3	131.6
180°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	133.3	133.3	133.3	133.3	133.3
2.5°	131.1	131.4	131.5	131.5	132.3
5°	129.0	129.6	129.4	129.5	130.2
7.5°	128.4	128.9	128.6	128.8	129.5
10°	127.9	128.3	127.9	127.9	128.7
12.5°	126.9	127.2	126.5	126.5	127.4
15°	125.4	125.6	124.8	124.8	125.6
17.5°	124.4	124.5	123.4	123.4	124.3
20°	123.5	123.5	122.3	122.2	123.0
22.5°	122.0	121.8	120.3	120.0	120.8
25°	119.7	119.2	117.6	117.3	118.1
27.5°	117.3	116.6	114.8	114.4	115.1
30°	115.0	114.0	112.0	111.7	112.3
32.5°	111.9	110.7	108.4	108.1	108.6
35°	108.1	106.6	104.2	103.7	104.2
37.5°	103.2	100.8	97.9	97.1	97.6
40°	96.7	93.8	90.2	89.0	89.5
42°	90.1	85.9	80.8	78.4	78.7
42.5°	88.0	82.9	76.5	73.6	73.8
45°	67.5	59.0	55.1	53.1	53.3
47.5°	52.5	48.1	45.4	43.8	44.1
50°	44.1	40.0	37.6	36.2	36.4
52.5°	37.3	33.5	31.2	29.7	29.2
55°	30.7	25.8	22.3	19.3	17.6
57.5°	17.0	12.0	9.8	8.6	7.9
60°	10.3	7.0	5.1	3.9	3.3
62.5°	6.7	3.9	2.0	0.7	0.2
65°	4.9	2.6	1.3	0.5	0.1
67.5°	4.4	2.4	1.2	0.4	0.1
70°	4.0	2.1	1.0	0.4	0.1
72.5°	3.3	1.8	0.9	0.4	0.1
75°	3.0	1.6	0.8	0.4	0.2
77.5°	2.5	1.4	0.7	0.3	0.2
80°	2.0	1.2	0.6	0.3	0.2
82.5°	1.7	1.0	0.6	0.3	0.2
85°	1.4	0.9	0.5	0.3	0.1
87.5°	1.1	0.8	0.5	0.2	0.2
90°	1.1	0.7	0.4	0.2	0.2
92.5°	1.1	0.8	0.5	0.2	0.2
95°	1.4	0.9	0.5	0.3	0.1
97.5°	1.7	1.0	0.6	0.3	0.2
100°	2.0	1.2	0.6	0.3	0.2
102.5°	2.5	1.4	0.7	0.3	0.2
105°	3.0	1.6	0.8	0.4	0.2
107.5°	3.3	1.8	0.9	0.4	0.1



TEST NUMBER: P394992

CATALOG NUMBER: 303-W2-LEDB2-3000-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
110°	4.0	2.1	1.0	0.4	0.1
112.5°	4.4	2.4	1.2	0.4	0.1
115°	4.9	2.6	1.3	0.5	0.1
117.5°	6.7	3.9	2.0	0.7	0.2
120°	10.3	7.0	5.1	3.9	3.3
122.5°	17.0	12.0	9.8	8.6	7.9
125°	30.7	25.8	22.3	19.3	17.6
127.5°	37.3	33.5	31.2	29.7	29.2
130°	44.1	40.0	37.6	36.2	36.4
132.5°	52.5	48.1	45.4	43.8	44.1
135°	67.5	59.0	55.1	53.1	53.3
137.5°	88.0	82.9	76.5	73.6	73.8
138°	90.1	85.9	80.8	78.4	78.7
140°	96.7	93.8	90.2	89.0	89.5
142.5°	103.2	100.8	97.9	97.1	97.6
145°	108.1	106.6	104.2	103.7	104.2
147.5°	111.9	110.7	108.4	108.1	108.6
150°	115.0	114.0	112.0	111.7	112.3
152.5°	117.3	116.6	114.8	114.4	115.1
155°	119.7	119.2	117.6	117.3	118.1
157.5°	122.0	121.8	120.3	120.0	120.8
160°	123.5	123.5	122.3	122.2	123.0
162.5°	124.4	124.5	123.4	123.4	124.3
165°	125.4	125.6	124.8	124.8	125.6
167.5°	126.9	127.2	126.5	126.5	127.4
170°	127.9	128.3	127.9	127.9	128.7
172.5°	128.4	128.9	128.6	128.8	129.5
175°	129.0	129.6	129.4	129.5	130.2
177.5°	131.1	131.4	131.5	131.5	132.3
180°	133.3	133.3	133.3	133.3	133.3

(END OF REPORT)