

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: P394994

Luminaire Tested: **303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394994  
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-LEDB2-4000-UNV-T2-DIM10-CS-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1078.2 lumens  
Efficiency: N/A  
Efficacy: 69.6 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

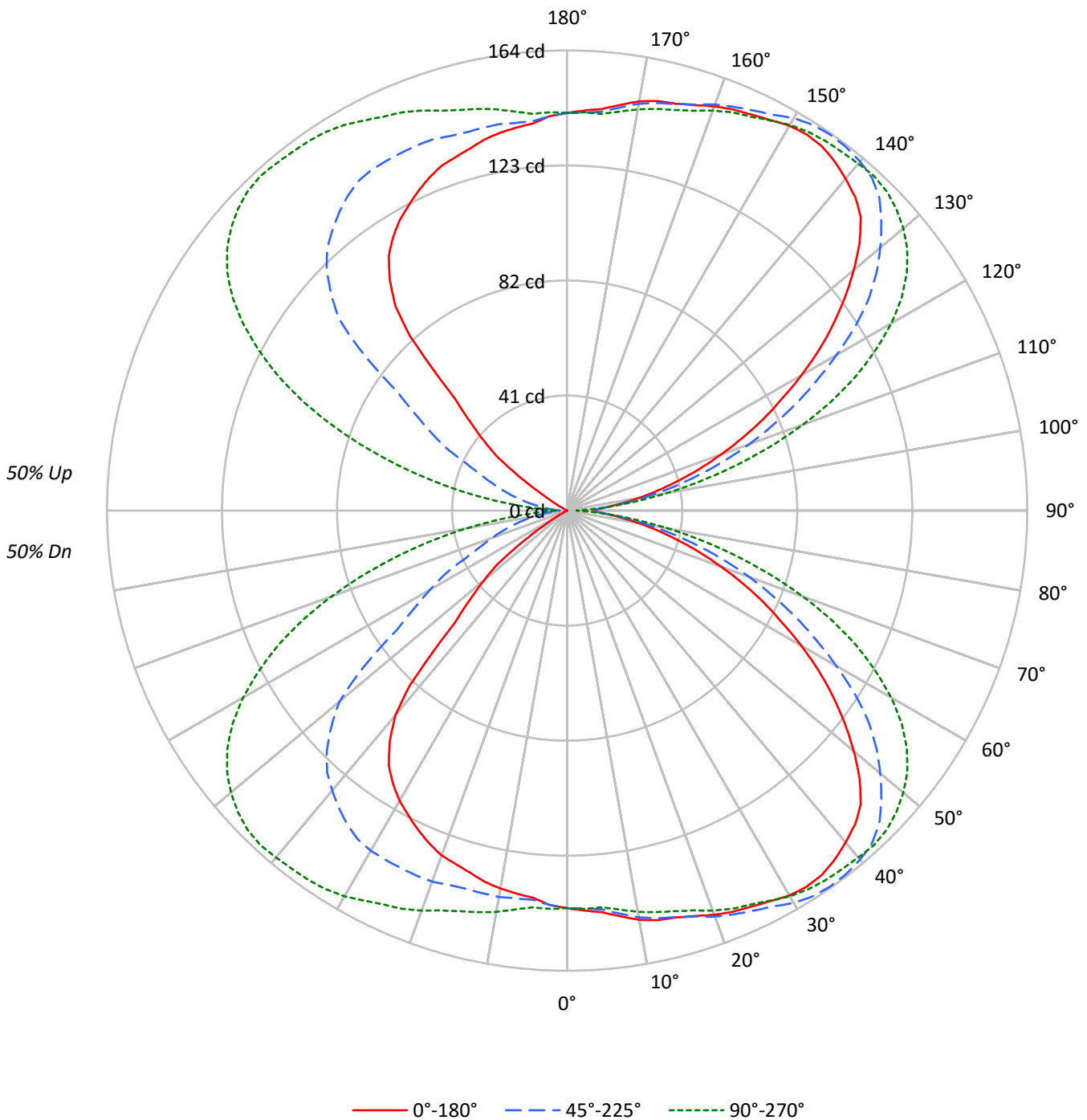
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	45	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°	19523	19523	19523
5°	12131	14488	11692
10°	9062	11847	8370
15°	7245	10106	6449
20°	6149	8986	5246
25°	5377	8148	4337
30°	4835	7559	3644
35°	4361	7042	3051
40°	3899	6596	2404
45°	3476	6208	1329
50°	2949	5750	856
55°	2436	5230	393
60°	1948	4583	71
65°	1508	3824	2
70°	1114	2964	2
75°	773	2056	4
80°	485	1201	4
85°	266	451	2



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.6	1.3
10°-20°	41.2	3.8
20°-30°	68.7	6.4
30°-40°	93.1	8.6
40°-50°	104.2	9.7
50°-60°	94.9	8.8
60°-70°	70.4	6.5
70°-80°	40.4	3.7
80°-90°	12.7	1.2
90°-100°	12.7	1.2
100°-110°	40.4	3.7
110°-120°	70.4	6.5
120°-130°	94.9	8.8
130°-140°	104.2	9.7
140°-150°	93.1	8.6
150°-160°	68.7	6.4
160°-170°	41.2	3.8
170°-180°	13.6	1.3
0°-30°	123.4	11.4
0°-40°	216.5	20.1
0°-60°	415.6	38.5
0°-90°	539.1	50.0
90°-120°	123.5	11.5
90°-150°	415.7	38.6
90°-180°	539.0	50.0
0°-180°	1078.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	144	143	142	139	138	14
15°	150	150	148	140	134	43
25°	156	157	155	140	126	72
35°	158	164	161	137	111	99
45°	148	157	161	121	57	113
55°	116	131	148	74	19	103
65°	77	90	114	40	0	76
75°	41	48	62	20	0	44
85°	14	15	14	6	0	14
90°	9	8	3	3	0	5
95°	14	15	14	6	0	14
105°	41	48	62	20	0	44
115°	77	90	114	40	0	76
125°	116	131	148	74	19	103
135°	148	157	161	121	57	113
145°	158	164	161	137	111	99
155°	156	157	155	140	126	72
165°	150	150	148	140	134	43
175°	144	143	142	139	138	14
180°	142	142	142	142	142	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.7	142.5	143.7	143.8	143.2	142.6	142.0	143.0	143.1	141.9	143.6
5°	143.7	143.4	144.6	144.7	144.1	143.4	142.9	143.9	143.9	142.7	144.2
7.5°	145.8	145.4	146.8	146.8	146.3	145.9	145.1	146.1	146.0	144.9	146.3
10°	148.1	147.9	149.3	149.2	148.8	148.3	147.5	148.6	148.3	147.2	148.5
12.5°	149.5	149.4	150.7	150.6	150.3	149.9	149.1	150.2	149.8	148.8	150.1
15°	150.1	150.1	151.6	151.6	151.2	150.9	150.1	151.3	151.0	150.0	151.2
17.5°	151.5	151.5	153.1	152.9	152.7	152.5	151.7	153.0	152.6	151.7	152.8
20°	153.3	153.4	155.0	154.8	154.7	154.6	153.8	155.0	154.7	154.0	154.8
22.5°	154.7	154.7	156.4	156.2	156.1	156.1	155.3	156.7	156.4	155.7	156.6
25°	155.7	155.8	157.4	157.3	157.1	157.3	156.6	158.3	157.9	157.3	158.1
27.5°	156.9	157.0	158.6	158.6	158.6	158.9	158.3	159.8	159.5	159.0	159.5
30°	158.4	158.6	160.3	160.1	160.4	160.8	160.3	161.9	161.7	161.5	161.8
32.5°	158.9	159.2	161.1	161.0	161.4	162.0	161.5	163.3	163.0	163.0	163.4
35°	158.4	158.6	160.4	160.4	161.0	161.8	161.5	163.3	163.2	163.5	164.0
37.5°	156.7	157.1	158.7	158.8	159.5	160.6	160.5	162.6	162.7	163.3	163.8
40°	154.4	154.8	156.5	156.7	157.6	158.6	158.6	160.8	161.1	162.4	163.3
42°	152.3	152.8	154.2	154.4	155.4	156.5	156.7	159.0	159.4	161.2	162.5
42.5°	151.9	152.3	153.7	153.8	154.7	155.9	156.1	158.5	158.8	160.8	162.1
45°	148.0	148.1	149.6	149.8	150.9	151.7	152.0	154.1	154.8	157.4	158.9
47.5°	141.4	141.6	142.9	143.6	145.2	146.3	146.7	148.7	149.3	151.9	154.1
50°	133.4	133.7	135.0	135.8	137.3	138.8	140.1	142.5	142.9	145.7	147.8
52.5°	124.8	125.2	126.2	127.0	128.7	130.3	131.8	134.7	136.0	138.9	140.6
55°	115.8	116.2	116.9	117.6	119.2	120.9	122.7	125.7	127.3	131.1	132.7
57.5°	106.4	106.3	108.0	108.0	109.5	111.1	112.9	115.8	117.4	121.5	124.1
60°	96.4	96.7	97.7	97.8	99.6	101.2	103.0	105.5	106.9	110.9	113.9
62.5°	86.3	86.6	86.4	87.4	89.1	90.9	92.8	95.3	96.3	100.2	103.0
65°	77.0	77.3	77.5	78.0	79.5	81.2	83.0	85.2	86.8	89.9	92.5
67.5°	67.5	67.7	67.3	68.3	69.7	71.2	72.9	74.8	76.1	79.1	81.4
70°	58.2	58.4	58.5	58.9	60.1	61.4	63.0	64.2	65.8	69.0	70.3
72.5°	49.4	49.6	49.1	49.8	51.0	51.6	53.4	54.4	55.7	58.4	59.6
75°	41.0	41.2	41.2	41.4	42.5	42.7	44.3	45.0	46.0	48.1	49.1
77.5°	33.2	33.2	33.3	33.4	33.9	34.4	35.6	36.0	36.9	38.5	38.6
80°	25.9	26.0	25.9	26.0	26.6	26.7	27.7	27.8	28.4	29.0	29.8
82.5°	19.5	19.6	19.5	19.5	20.0	20.0	20.5	20.4	20.7	21.0	20.9
85°	14.2	14.2	14.3	14.2	14.4	14.3	14.7	14.4	14.4	14.6	14.0
87.5°	10.6	10.7	10.8	10.7	10.8	10.5	10.7	10.3	10.1	10.0	9.2
90°	9.4	9.6	9.4	9.6	9.6	9.4	9.2	8.8	8.6	8.2	7.8
92.5°	10.6	10.7	10.8	10.7	10.8	10.5	10.7	10.3	10.1	10.0	9.2
95°	14.2	14.2	14.3	14.2	14.4	14.3	14.7	14.4	14.4	14.6	14.0
97.5°	19.5	19.6	19.5	19.5	20.0	20.0	20.5	20.4	20.7	21.0	20.9
100°	25.9	26.0	25.9	26.0	26.6	26.7	27.7	27.8	28.4	29.0	29.8
102.5°	33.2	33.2	33.3	33.4	33.9	34.4	35.6	36.0	36.9	38.5	38.6
105°	41.0	41.2	41.2	41.4	42.5	42.7	44.3	45.0	46.0	48.1	49.1
107.5°	49.4	49.6	49.1	49.8	51.0	51.6	53.4	54.4	55.7	58.4	59.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	58.2	58.4	58.5	58.9	60.1	61.4	63.0	64.2	65.8	69.0	70.3
112.5°	67.5	67.7	67.3	68.3	69.7	71.2	72.9	74.8	76.1	79.1	81.4
115°	77.0	77.3	77.5	78.0	79.5	81.2	83.0	85.2	86.8	89.9	92.5
117.5°	86.3	86.6	86.4	87.4	89.1	90.9	92.8	95.3	96.3	100.2	103.0
120°	96.4	96.7	97.7	97.8	99.6	101.2	103.0	105.5	106.9	110.9	113.9
122.5°	106.4	106.3	108.0	108.0	109.5	111.1	112.9	115.8	117.4	121.5	124.1
125°	115.8	116.2	116.9	117.6	119.2	120.9	122.7	125.7	127.3	131.1	132.7
127.5°	124.8	125.2	126.2	127.0	128.7	130.3	131.8	134.7	136.0	138.9	140.6
130°	133.4	133.7	135.0	135.8	137.3	138.8	140.1	142.5	142.9	145.7	147.8
132.5°	141.4	141.6	142.9	143.6	145.2	146.3	146.7	148.7	149.3	151.9	154.1
135°	148.0	148.1	149.6	149.8	150.9	151.7	152.0	154.1	154.8	157.4	158.9
137.5°	151.9	152.3	153.7	153.8	154.7	155.9	156.1	158.5	158.8	160.8	162.1
138°	152.3	152.8	154.2	154.4	155.4	156.5	156.7	159.0	159.4	161.2	162.5
140°	154.4	154.8	156.5	156.7	157.6	158.6	158.6	160.8	161.1	162.4	163.3
142.5°	156.7	157.1	158.7	158.8	159.5	160.6	160.5	162.6	162.7	163.3	163.8
145°	158.4	158.6	160.4	160.4	161.0	161.8	161.5	163.3	163.2	163.5	164.0
147.5°	158.9	159.2	161.1	161.0	161.4	162.0	161.5	163.3	163.0	163.0	163.4
150°	158.4	158.6	160.3	160.1	160.4	160.8	160.3	161.9	161.7	161.5	161.8
152.5°	156.9	157.0	158.6	158.6	158.6	158.9	158.3	159.8	159.5	159.0	159.5
155°	155.7	155.8	157.4	157.3	157.1	157.3	156.6	158.3	157.9	157.3	158.1
157.5°	154.7	154.7	156.4	156.2	156.1	156.1	155.3	156.7	156.4	155.7	156.6
160°	153.3	153.4	155.0	154.8	154.7	154.6	153.8	155.0	154.7	154.0	154.8
162.5°	151.5	151.5	153.1	152.9	152.7	152.5	151.7	153.0	152.6	151.7	152.8
165°	150.1	150.1	151.6	151.6	151.2	150.9	150.1	151.3	151.0	150.0	151.2
167.5°	149.5	149.4	150.7	150.6	150.3	149.9	149.1	150.2	149.8	148.8	150.1
170°	148.1	147.9	149.3	149.2	148.8	148.3	147.5	148.6	148.3	147.2	148.5
172.5°	145.8	145.4	146.8	146.8	146.3	145.9	145.1	146.1	146.0	144.9	146.3
175°	143.7	143.4	144.6	144.7	144.1	143.4	142.9	143.9	143.9	142.7	144.2
177.5°	142.7	142.5	143.7	143.8	143.2	142.6	142.0	143.0	143.1	141.9	143.6
180°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7



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**CANDELA DISTRIBUTION (continued):**

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.3	143.5	141.9	142.6	142.7	141.8	142.0	142.0	142.1	143.0	141.8
5°	143.0	144.1	142.5	143.1	143.1	142.0	142.1	142.0	141.9	142.8	141.3
7.5°	145.0	146.0	144.5	144.9	144.7	143.6	143.8	143.6	143.4	144.1	142.5
10°	147.1	148.3	146.7	147.0	146.8	145.5	145.7	145.5	145.2	145.7	144.1
12.5°	148.7	149.8	148.4	148.7	148.4	147.1	147.2	147.1	146.6	147.0	145.2
15°	149.9	151.0	149.7	149.8	149.5	148.3	148.4	148.4	147.8	148.0	146.3
17.5°	151.6	152.8	151.5	151.4	151.3	150.0	150.1	150.1	149.4	149.7	148.0
20°	153.9	155.1	153.9	153.7	153.6	152.4	152.3	152.5	151.7	152.0	150.2
22.5°	155.7	156.8	155.9	155.5	155.2	154.1	154.1	154.3	153.6	153.7	152.0
25°	157.2	158.4	157.4	156.9	156.7	155.6	155.7	156.0	154.9	155.0	153.6
27.5°	158.9	159.9	159.2	158.6	158.3	157.3	157.3	157.7	156.7	156.6	155.1
30°	161.3	162.2	161.7	160.7	160.3	159.3	159.5	159.9	158.7	158.6	157.2
32.5°	163.0	164.0	163.5	162.7	162.2	161.2	161.1	161.4	160.0	159.8	158.6
35°	163.9	165.1	164.8	163.7	163.3	162.3	162.0	162.3	160.7	160.3	159.0
37.5°	164.4	165.8	165.7	164.8	164.4	163.2	162.9	163.0	161.0	160.4	159.0
40°	164.6	165.9	166.2	165.4	165.3	164.3	163.7	163.7	161.4	160.4	158.8
42°	164.2	165.8	166.4	165.9	166.1	165.2	164.4	164.2	161.7	160.6	158.7
42.5°	164.0	165.5	166.3	165.9	166.2	165.4	164.5	164.3	161.8	160.5	158.6
45°	161.7	163.6	164.8	165.1	165.5	165.0	164.1	163.8	161.0	159.3	157.4
47.5°	157.5	159.6	161.3	162.4	163.2	163.3	162.6	162.4	159.1	157.1	154.7
50°	151.9	154.3	156.5	158.2	159.8	160.7	160.0	159.8	156.4	154.1	151.3
52.5°	145.2	147.8	149.9	152.8	155.3	156.8	156.6	156.3	152.8	150.0	147.0
55°	137.1	139.9	142.7	145.9	149.2	151.5	151.6	151.5	147.8	144.8	141.6
57.5°	128.3	130.8	133.9	137.5	141.8	144.8	145.2	145.1	141.4	138.1	134.3
60°	118.6	120.8	123.9	127.8	132.5	136.1	136.9	137.1	133.4	130.1	126.6
62.5°	108.1	110.3	113.3	117.1	122.0	126.0	127.2	127.6	123.9	120.6	116.8
65°	97.4	99.7	102.9	106.4	111.3	115.5	116.7	117.1	113.7	110.6	107.3
67.5°	85.8	87.9	91.1	94.5	99.2	103.3	104.6	105.1	102.0	99.0	96.0
70°	74.1	75.9	78.7	82.1	86.4	89.6	91.5	92.0	89.3	86.6	83.9
72.5°	62.8	64.1	66.6	69.3	73.2	76.1	77.8	78.3	75.9	73.7	71.7
75°	51.4	52.6	54.8	56.9	60.0	63.1	64.0	64.6	62.3	60.5	59.0
77.5°	40.8	41.5	43.2	44.9	47.1	48.8	50.1	50.7	48.8	47.4	46.3
80°	30.8	31.0	32.5	33.4	34.9	35.8	36.8	37.0	36.3	34.7	34.1
82.5°	21.8	21.8	22.7	23.0	23.7	24.6	24.6	24.6	24.0	23.0	22.9
85°	14.4	14.0	14.7	14.4	14.3	14.7	14.2	14.0	13.5	13.3	13.3
87.5°	9.1	8.6	8.8	8.3	7.8	7.5	6.9	6.6	6.2	6.2	6.4
90°	7.2	6.8	6.8	6.3	5.5	4.9	4.3	3.7	3.3	3.3	3.5
92.5°	9.1	8.6	8.8	8.3	7.8	7.5	6.9	6.6	6.2	6.2	6.4
95°	14.4	14.0	14.7	14.4	14.3	14.7	14.2	14.0	13.5	13.3	13.3
97.5°	21.8	21.8	22.7	23.0	23.7	24.6	24.6	24.6	24.0	23.0	22.9
100°	30.8	31.0	32.5	33.4	34.9	35.8	36.8	37.0	36.3	34.7	34.1
102.5°	40.8	41.5	43.2	44.9	47.1	48.8	50.1	50.7	48.8	47.4	46.3
105°	51.4	52.6	54.8	56.9	60.0	63.1	64.0	64.6	62.3	60.5	59.0
107.5°	62.8	64.1	66.6	69.3	73.2	76.1	77.8	78.3	75.9	73.7	71.7





TEST NUMBER: P394994

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	74.1	75.9	78.7	82.1	86.4	89.6	91.5	92.0	89.3	86.6	83.9
112.5°	85.8	87.9	91.1	94.5	99.2	103.3	104.6	105.1	102.0	99.0	96.0
115°	97.4	99.7	102.9	106.4	111.3	115.5	116.7	117.1	113.7	110.6	107.3
117.5°	108.1	110.3	113.3	117.1	122.0	126.0	127.2	127.6	123.9	120.6	116.8
120°	118.6	120.8	123.9	127.8	132.5	136.1	136.9	137.1	133.4	130.1	126.6
122.5°	128.3	130.8	133.9	137.5	141.8	144.8	145.2	145.1	141.4	138.1	134.3
125°	137.1	139.9	142.7	145.9	149.2	151.5	151.6	151.5	147.8	144.8	141.6
127.5°	145.2	147.8	149.9	152.8	155.3	156.8	156.6	156.3	152.8	150.0	147.0
130°	151.9	154.3	156.5	158.2	159.8	160.7	160.0	159.8	156.4	154.1	151.3
132.5°	157.5	159.6	161.3	162.4	163.2	163.3	162.6	162.4	159.1	157.1	154.7
135°	161.7	163.6	164.8	165.1	165.5	165.0	164.1	163.8	161.0	159.3	157.4
137.5°	164.0	165.5	166.3	165.9	166.2	165.4	164.5	164.3	161.8	160.5	158.6
138°	164.2	165.8	166.4	165.9	166.1	165.2	164.4	164.2	161.7	160.6	158.7
140°	164.6	165.9	166.2	165.4	165.3	164.3	163.7	163.7	161.4	160.4	158.8
142.5°	164.4	165.8	165.7	164.8	164.4	163.2	162.9	163.0	161.0	160.4	159.0
145°	163.9	165.1	164.8	163.7	163.3	162.3	162.0	162.3	160.7	160.3	159.0
147.5°	163.0	164.0	163.5	162.7	162.2	161.2	161.1	161.4	160.0	159.8	158.6
150°	161.3	162.2	161.7	160.7	160.3	159.3	159.5	159.9	158.7	158.6	157.2
152.5°	158.9	159.9	159.2	158.6	158.3	157.3	157.3	157.7	156.7	156.6	155.1
155°	157.2	158.4	157.4	156.9	156.7	155.6	155.7	156.0	154.9	155.0	153.6
157.5°	155.7	156.8	155.9	155.5	155.2	154.1	154.1	154.3	153.6	153.7	152.0
160°	153.9	155.1	153.9	153.7	153.6	152.4	152.3	152.5	151.7	152.0	150.2
162.5°	151.6	152.8	151.5	151.4	151.3	150.0	150.1	150.1	149.4	149.7	148.0
165°	149.9	151.0	149.7	149.8	149.5	148.3	148.4	148.4	147.8	148.0	146.3
167.5°	148.7	149.8	148.4	148.7	148.4	147.1	147.2	147.1	146.6	147.0	145.2
170°	147.1	148.3	146.7	147.0	146.8	145.5	145.7	145.5	145.2	145.7	144.1
172.5°	145.0	146.0	144.5	144.9	144.7	143.6	143.8	143.6	143.4	144.1	142.5
175°	143.0	144.1	142.5	143.1	143.1	142.0	142.1	142.0	141.9	142.8	141.3
177.5°	142.3	143.5	141.9	142.6	142.7	141.8	142.0	142.0	142.1	143.0	141.8
180°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7



TEST NUMBER: P394994

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
2.5°	142.5	141.3	141.2	140.8	141.5	140.4	140.7	139.7	139.7	139.7	140.0
5°	141.8	140.6	140.4	139.8	140.4	139.0	139.3	138.1	137.8	137.7	137.9
7.5°	142.8	141.3	141.1	140.3	140.7	139.2	139.4	138.1	137.4	137.3	137.5
10°	144.2	142.6	142.2	141.1	141.4	139.8	139.8	138.2	137.4	136.9	137.0
12.5°	145.2	143.6	143.0	141.5	141.7	140.0	139.7	137.8	136.7	136.2	136.1
15°	146.1	144.3	143.7	141.9	142.0	140.1	139.5	137.3	135.9	134.9	134.7
17.5°	147.8	145.8	145.1	143.0	142.8	140.8	139.9	137.3	135.5	134.2	133.8
20°	149.8	147.9	147.0	144.7	144.3	141.9	140.7	137.7	135.5	133.9	133.2
22.5°	151.6	149.6	148.5	145.9	145.2	142.4	140.7	137.4	134.7	132.8	131.7
25°	152.8	150.8	149.6	146.6	145.7	142.7	140.5	136.8	133.5	131.2	129.6
27.5°	154.3	152.3	150.8	147.7	146.4	143.0	140.3	136.0	132.2	129.3	127.3
30°	156.3	154.0	152.6	148.8	147.2	143.3	140.0	135.4	131.0	127.7	125.2
32.5°	157.5	155.0	153.2	149.2	147.1	142.8	138.9	133.6	128.6	124.9	122.3
35°	157.6	155.1	152.9	148.5	146.0	141.0	136.6	130.9	125.5	121.4	118.4
37.5°	157.5	154.3	151.9	147.1	144.0	138.6	133.6	127.4	121.7	117.3	113.9
40°	156.9	153.7	150.6	145.2	141.4	135.8	130.2	123.7	117.4	112.0	107.7
42°	156.5	152.8	149.2	143.4	139.2	133.3	127.3	120.4	113.0	106.8	101.8
42.5°	156.1	152.5	148.6	142.9	138.7	132.5	126.6	119.3	111.7	105.3	100.1
45°	154.2	149.9	145.6	139.4	134.5	128.0	121.2	112.8	104.2	96.0	86.5
47.5°	151.3	146.4	141.3	134.7	129.2	122.2	114.0	104.5	92.0	75.9	64.6
50°	147.4	142.0	136.2	129.0	123.3	115.1	106.0	89.8	70.0	60.9	54.5
52.5°	142.5	136.5	130.1	122.8	115.7	106.7	91.4	70.7	59.0	52.3	46.5
55°	136.7	130.3	123.2	115.3	107.2	93.8	73.9	60.1	51.1	45.5	39.5
57.5°	129.4	122.8	115.2	106.8	95.9	76.4	64.3	52.7	44.1	38.3	29.8
60°	121.0	114.2	106.2	97.2	80.1	65.9	56.3	46.2	35.7	25.5	18.2
62.5°	111.5	104.8	96.6	84.5	69.4	58.0	49.1	36.8	24.8	19.1	13.3
65°	101.9	95.1	86.7	72.9	61.3	51.0	39.5	29.3	20.1	15.2	10.1
67.5°	90.9	84.5	76.2	63.7	53.5	43.7	33.2	24.7	16.7	12.7	8.9
70°	79.3	73.6	65.9	55.2	46.1	37.5	28.3	21.2	14.5	11.1	7.7
72.5°	67.4	62.4	56.0	46.7	38.9	31.6	24.0	17.9	12.3	9.4	6.7
75°	55.3	51.2	46.0	38.2	31.9	26.1	19.8	15.0	10.4	7.8	5.6
77.5°	43.5	40.2	36.3	30.2	25.2	20.4	15.7	12.1	8.4	6.3	4.6
80°	32.2	29.7	26.9	22.6	19.0	15.6	12.1	9.2	6.7	5.1	3.6
82.5°	21.6	20.1	18.3	15.6	13.2	11.2	8.6	6.8	4.9	3.7	2.8
85°	12.8	12.0	11.1	9.6	8.3	7.2	5.9	4.8	3.6	2.9	2.2
87.5°	6.4	6.1	5.8	5.4	4.8	4.4	3.6	3.1	2.5	2.1	1.6
90°	3.7	3.9	3.7	3.5	3.3	3.1	2.7	2.5	2.2	1.8	1.4
92.5°	6.4	6.1	5.8	5.4	4.8	4.4	3.6	3.1	2.5	2.1	1.6
95°	12.8	12.0	11.1	9.6	8.3	7.2	5.9	4.8	3.6	2.9	2.2
97.5°	21.6	20.1	18.3	15.6	13.2	11.2	8.6	6.8	4.9	3.7	2.8
100°	32.2	29.7	26.9	22.6	19.0	15.6	12.1	9.2	6.7	5.1	3.6
102.5°	43.5	40.2	36.3	30.2	25.2	20.4	15.7	12.1	8.4	6.3	4.6
105°	55.3	51.2	46.0	38.2	31.9	26.1	19.8	15.0	10.4	7.8	5.6
107.5°	67.4	62.4	56.0	46.7	38.9	31.6	24.0	17.9	12.3	9.4	6.7



TEST NUMBER: P394994

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	79.3	73.6	65.9	55.2	46.1	37.5	28.3	21.2	14.5	11.1	7.7
112.5°	90.9	84.5	76.2	63.7	53.5	43.7	33.2	24.7	16.7	12.7	8.9
115°	101.9	95.1	86.7	72.9	61.3	51.0	39.5	29.3	20.1	15.2	10.1
117.5°	111.5	104.8	96.6	84.5	69.4	58.0	49.1	36.8	24.8	19.1	13.3
120°	121.0	114.2	106.2	97.2	80.1	65.9	56.3	46.2	35.7	25.5	18.2
122.5°	129.4	122.8	115.2	106.8	95.9	76.4	64.3	52.7	44.1	38.3	29.8
125°	136.7	130.3	123.2	115.3	107.2	93.8	73.9	60.1	51.1	45.5	39.5
127.5°	142.5	136.5	130.1	122.8	115.7	106.7	91.4	70.7	59.0	52.3	46.5
130°	147.4	142.0	136.2	129.0	123.3	115.1	106.0	89.8	70.0	60.9	54.5
132.5°	151.3	146.4	141.3	134.7	129.2	122.2	114.0	104.5	92.0	75.9	64.6
135°	154.2	149.9	145.6	139.4	134.5	128.0	121.2	112.8	104.2	96.0	86.5
137.5°	156.1	152.5	148.6	142.9	138.7	132.5	126.6	119.3	111.7	105.3	100.1
138°	156.5	152.8	149.2	143.4	139.2	133.3	127.3	120.4	113.0	106.8	101.8
140°	156.9	153.7	150.6	145.2	141.4	135.8	130.2	123.7	117.4	112.0	107.7
142.5°	157.5	154.3	151.9	147.1	144.0	138.6	133.6	127.4	121.7	117.3	113.9
145°	157.6	155.1	152.9	148.5	146.0	141.0	136.6	130.9	125.5	121.4	118.4
147.5°	157.5	155.0	153.2	149.2	147.1	142.8	138.9	133.6	128.6	124.9	122.3
150°	156.3	154.0	152.6	148.8	147.2	143.3	140.0	135.4	131.0	127.7	125.2
152.5°	154.3	152.3	150.8	147.7	146.4	143.0	140.3	136.0	132.2	129.3	127.3
155°	152.8	150.8	149.6	146.6	145.7	142.7	140.5	136.8	133.5	131.2	129.6
157.5°	151.6	149.6	148.5	145.9	145.2	142.4	140.7	137.4	134.7	132.8	131.7
160°	149.8	147.9	147.0	144.7	144.3	141.9	140.7	137.7	135.5	133.9	133.2
162.5°	147.8	145.8	145.1	143.0	142.8	140.8	139.9	137.3	135.5	134.2	133.8
165°	146.1	144.3	143.7	141.9	142.0	140.1	139.5	137.3	135.9	134.9	134.7
167.5°	145.2	143.6	143.0	141.5	141.7	140.0	139.7	137.8	136.7	136.2	136.1
170°	144.2	142.6	142.2	141.1	141.4	139.8	139.8	138.2	137.4	136.9	137.0
172.5°	142.8	141.3	141.1	140.3	140.7	139.2	139.4	138.1	137.4	137.3	137.5
175°	141.8	140.6	140.4	139.8	140.4	139.0	139.3	138.1	137.8	137.7	137.9
177.5°	142.5	141.3	141.2	140.8	141.5	140.4	140.7	139.7	139.7	139.7	140.0
180°	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7



TEST NUMBER: P394994

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	141.7	141.7	141.7	141.7	141.7
2.5°	139.4	139.8	139.9	139.9	140.7
5°	137.2	137.8	137.6	137.7	138.5
7.5°	136.5	137.1	136.7	136.9	137.7
10°	136.1	136.4	136.1	136.1	136.8
12.5°	135.0	135.3	134.5	134.5	135.5
15°	133.4	133.6	132.7	132.7	133.6
17.5°	132.3	132.4	131.3	131.3	132.1
20°	131.4	131.4	130.1	130.0	130.8
22.5°	129.7	129.5	127.9	127.6	128.4
25°	127.3	126.8	125.1	124.7	125.6
27.5°	124.7	124.0	122.1	121.7	122.5
30°	122.3	121.3	119.1	118.7	119.4
32.5°	119.0	117.8	115.3	114.9	115.5
35°	114.9	113.4	110.8	110.2	110.8
37.5°	109.7	107.2	104.2	103.3	103.8
40°	102.8	99.8	96.0	94.7	95.2
42°	95.9	91.4	85.9	83.3	83.7
42.5°	93.6	88.1	81.4	78.2	78.4
45°	71.8	62.8	58.6	56.4	56.6
47.5°	55.8	51.2	48.3	46.6	46.9
50°	46.9	42.5	40.0	38.5	38.7
52.5°	39.7	35.6	33.2	31.6	31.0
55°	32.7	27.4	23.7	20.5	18.7
57.5°	18.1	12.8	10.5	9.1	8.4
60°	11.0	7.4	5.4	4.1	3.5
62.5°	7.1	4.1	2.2	0.8	0.2
65°	5.2	2.7	1.4	0.5	0.1
67.5°	4.7	2.5	1.3	0.4	0.1
70°	4.2	2.2	1.1	0.4	0.1
72.5°	3.5	2.0	1.0	0.4	0.1
75°	3.2	1.7	0.9	0.4	0.2
77.5°	2.6	1.5	0.8	0.3	0.2
80°	2.2	1.3	0.7	0.3	0.2
82.5°	1.8	1.1	0.6	0.3	0.2
85°	1.5	1.0	0.5	0.3	0.1
87.5°	1.2	0.9	0.5	0.2	0.2
90°	1.2	0.8	0.4	0.2	0.2
92.5°	1.2	0.9	0.5	0.2	0.2
95°	1.5	1.0	0.5	0.3	0.1
97.5°	1.8	1.1	0.6	0.3	0.2
100°	2.2	1.3	0.7	0.3	0.2
102.5°	2.6	1.5	0.8	0.3	0.2
105°	3.2	1.7	0.9	0.4	0.2
107.5°	3.5	2.0	1.0	0.4	0.1



TEST NUMBER: P394994

CATALOG NUMBER: 303-W2-LEDB2-4000-UNV-T2-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
110°	4.2	2.2	1.1	0.4	0.1
112.5°	4.7	2.5	1.3	0.4	0.1
115°	5.2	2.7	1.4	0.5	0.1
117.5°	7.1	4.1	2.2	0.8	0.2
120°	11.0	7.4	5.4	4.1	3.5
122.5°	18.1	12.8	10.5	9.1	8.4
125°	32.7	27.4	23.7	20.5	18.7
127.5°	39.7	35.6	33.2	31.6	31.0
130°	46.9	42.5	40.0	38.5	38.7
132.5°	55.8	51.2	48.3	46.6	46.9
135°	71.8	62.8	58.6	56.4	56.6
137.5°	93.6	88.1	81.4	78.2	78.4
138°	95.9	91.4	85.9	83.3	83.7
140°	102.8	99.8	96.0	94.7	95.2
142.5°	109.7	107.2	104.2	103.3	103.8
145°	114.9	113.4	110.8	110.2	110.8
147.5°	119.0	117.8	115.3	114.9	115.5
150°	122.3	121.3	119.1	118.7	119.4
152.5°	124.7	124.0	122.1	121.7	122.5
155°	127.3	126.8	125.1	124.7	125.6
157.5°	129.7	129.5	127.9	127.6	128.4
160°	131.4	131.4	130.1	130.0	130.8
162.5°	132.3	132.4	131.3	131.3	132.1
165°	133.4	133.6	132.7	132.7	133.6
167.5°	135.0	135.3	134.5	134.5	135.5
170°	136.1	136.4	136.1	136.1	136.8
172.5°	136.5	137.1	136.7	136.9	137.7
175°	137.2	137.8	137.6	137.7	138.5
177.5°	139.4	139.8	139.9	139.9	140.7
180°	141.7	141.7	141.7	141.7	141.7

(END OF REPORT)