

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: P394993

Luminaire Tested: **303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394993
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-LEDB2-3500-UNV-T2-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1102.3 lumens
Efficiency: N/A
Efficacy: 71.1 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

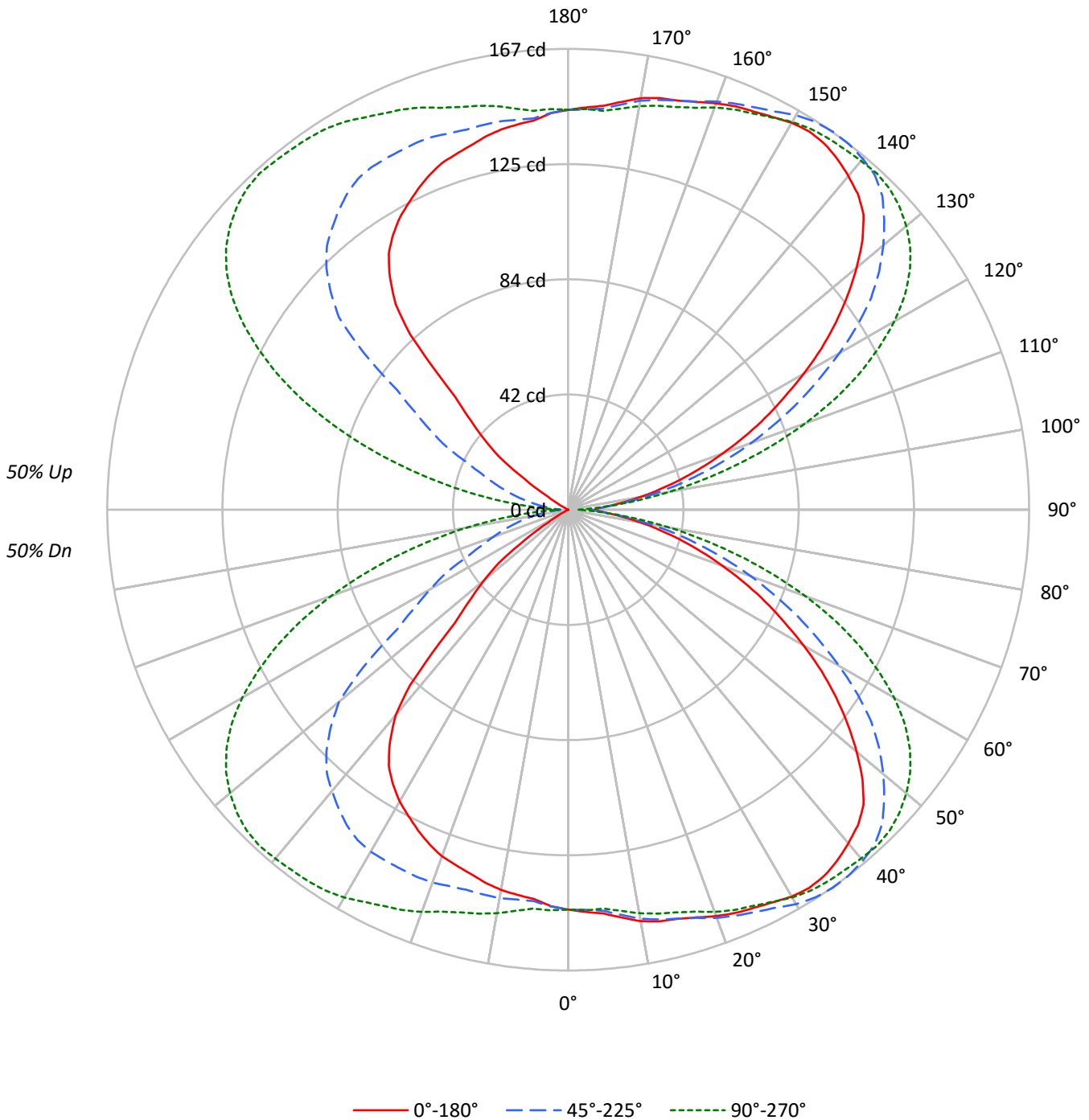
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	19964	19964	19964
5°	12401	14814	11954
10°	9264	12116	8560
15°	7410	10332	6594
20°	6285	9187	5363
25°	5498	8332	4434
30°	4942	7730	3727
35°	4458	7200	3120
40°	3988	6743	2457
45°	3554	6347	1360
50°	3016	5878	876
55°	2490	5346	402
60°	1992	4686	73
65°	1541	3908	2
70°	1139	3030	2
75°	790	2103	4
80°	496	1227	4
85°	272	461	2



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	1.3
10°-20°	42.1	3.8
20°-30°	70.2	6.4
30°-40°	95.2	8.6
40°-50°	106.6	9.7
50°-60°	97.0	8.8
60°-70°	72.0	6.5
70°-80°	41.3	3.7
80°-90°	13.0	1.2
90°-100°	13.0	1.2
100°-110°	41.3	3.7
110°-120°	72.0	6.5
120°-130°	97.0	8.8
130°-140°	106.6	9.7
140°-150°	95.2	8.6
150°-160°	70.2	6.4
160°-170°	42.1	3.8
170°-180°	13.9	1.3
0°-30°	126.2	11.4
0°-40°	221.3	20.1
0°-60°	424.9	38.5
0°-90°	551.1	50.0
90°-120°	126.3	11.5
90°-150°	425.0	38.6
90°-180°	551.0	50.0
0°-180°	1102.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	145	145	145	145	145	
5°	147	146	145	142	142	14
15°	154	153	151	143	137	44
25°	159	161	158	144	128	74
35°	162	167	164	140	113	101
45°	151	161	165	124	58	116
55°	118	134	151	76	19	106
65°	79	92	116	40	0	78
75°	42	49	64	20	0	45
85°	14	15	14	6	0	14
90°	10	8	3	3	0	6
95°	14	15	14	6	0	14
105°	42	49	64	20	0	45
115°	79	92	116	40	0	78
125°	118	134	151	76	19	106
135°	151	161	165	124	58	116
145°	162	167	164	140	113	101
155°	159	161	158	144	128	74
165°	154	153	151	143	137	44
175°	147	146	145	142	142	14
180°	145	145	145	145	145	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.9	145.7	146.9	147.0	146.4	145.8	145.2	146.2	146.3	145.1	146.8
5°	146.9	146.6	147.8	147.9	147.3	146.6	146.1	147.1	147.1	145.9	147.4
7.5°	149.1	148.7	150.1	150.1	149.6	149.2	148.3	149.4	149.3	148.1	149.6
10°	151.4	151.2	152.6	152.5	152.1	151.6	150.8	151.9	151.6	150.5	151.8
12.5°	152.8	152.7	154.1	154.0	153.7	153.3	152.4	153.6	153.2	152.1	153.5
15°	153.5	153.5	155.0	155.0	154.6	154.3	153.5	154.7	154.4	153.4	154.6
17.5°	154.9	154.9	156.5	156.3	156.1	155.9	155.1	156.4	156.0	155.1	156.2
20°	156.7	156.8	158.5	158.3	158.2	158.1	157.2	158.5	158.2	157.4	158.3
22.5°	158.2	158.2	159.9	159.7	159.6	159.6	158.8	160.2	159.9	159.2	160.1
25°	159.2	159.3	160.9	160.8	160.6	160.8	160.1	161.8	161.4	160.8	161.6
27.5°	160.4	160.5	162.2	162.1	162.2	162.5	161.8	163.4	163.1	162.6	163.1
30°	161.9	162.1	163.9	163.7	164.0	164.4	163.9	165.5	165.3	165.1	165.4
32.5°	162.5	162.8	164.7	164.6	165.0	165.6	165.1	167.0	166.6	166.6	167.1
35°	161.9	162.2	164.0	164.0	164.6	165.4	165.1	167.0	166.9	167.2	167.7
37.5°	160.2	160.6	162.3	162.4	163.1	164.2	164.1	166.2	166.3	167.0	167.5
40°	157.9	158.3	160.0	160.2	161.1	162.2	162.2	164.4	164.7	166.0	167.0
42°	155.7	156.2	157.7	157.9	158.9	160.0	160.2	162.6	163.0	164.8	166.1
42.5°	155.3	155.7	157.1	157.2	158.2	159.4	159.6	162.0	162.4	164.4	165.7
45°	151.3	151.4	153.0	153.2	154.3	155.1	155.4	157.6	158.3	160.9	162.5
47.5°	144.6	144.8	146.1	146.8	148.4	149.6	150.0	152.0	152.6	155.3	157.5
50°	136.4	136.7	138.0	138.8	140.4	141.9	143.2	145.7	146.1	149.0	151.1
52.5°	127.6	128.0	129.0	129.8	131.6	133.2	134.7	137.7	139.0	142.0	143.7
55°	118.4	118.8	119.5	120.2	121.9	123.6	125.4	128.5	130.1	134.0	135.7
57.5°	108.8	108.7	110.4	110.4	112.0	113.6	115.4	118.4	120.0	124.2	126.9
60°	98.6	98.9	99.9	100.0	101.8	103.5	105.3	107.9	109.3	113.4	116.4
62.5°	88.2	88.5	88.3	89.4	91.1	92.9	94.9	97.4	98.5	102.4	105.3
65°	78.7	79.0	79.2	79.7	81.3	83.0	84.9	87.1	88.7	91.9	94.6
67.5°	69.0	69.2	68.8	69.8	71.3	72.8	74.5	76.5	77.8	80.9	83.2
70°	59.5	59.7	59.8	60.2	61.4	62.8	64.4	65.6	67.3	70.5	71.9
72.5°	50.5	50.7	50.2	50.9	52.1	52.8	54.6	55.6	56.9	59.7	60.9
75°	41.9	42.1	42.1	42.3	43.5	43.7	45.3	46.0	47.0	49.2	50.2
77.5°	33.9	33.9	34.0	34.1	34.7	35.2	36.4	36.8	37.7	39.4	39.5
80°	26.5	26.6	26.5	26.6	27.2	27.3	28.3	28.4	29.0	29.7	30.5
82.5°	19.9	20.0	19.9	19.9	20.4	20.4	21.0	20.9	21.2	21.5	21.4
85°	14.5	14.5	14.6	14.5	14.7	14.6	15.0	14.7	14.7	14.9	14.3
87.5°	10.8	10.9	11.0	10.9	11.0	10.7	10.9	10.5	10.3	10.2	9.4
90°	9.6	9.8	9.6	9.8	9.8	9.6	9.4	9.0	8.8	8.4	8.0
92.5°	10.8	10.9	11.0	10.9	11.0	10.7	10.9	10.5	10.3	10.2	9.4
95°	14.5	14.5	14.6	14.5	14.7	14.6	15.0	14.7	14.7	14.9	14.3
97.5°	19.9	20.0	19.9	19.9	20.4	20.4	21.0	20.9	21.2	21.5	21.4
100°	26.5	26.6	26.5	26.6	27.2	27.3	28.3	28.4	29.0	29.7	30.5
102.5°	33.9	33.9	34.0	34.1	34.7	35.2	36.4	36.8	37.7	39.4	39.5
105°	41.9	42.1	42.1	42.3	43.5	43.7	45.3	46.0	47.0	49.2	50.2
107.5°	50.5	50.7	50.2	50.9	52.1	52.8	54.6	55.6	56.9	59.7	60.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
110°	59.5	59.7	59.8	60.2	61.4	62.8	64.4	65.6	67.3	70.5	71.9
112.5°	69.0	69.2	68.8	69.8	71.3	72.8	74.5	76.5	77.8	80.9	83.2
115°	78.7	79.0	79.2	79.7	81.3	83.0	84.9	87.1	88.7	91.9	94.6
117.5°	88.2	88.5	88.3	89.4	91.1	92.9	94.9	97.4	98.5	102.4	105.3
120°	98.6	98.9	99.9	100.0	101.8	103.5	105.3	107.9	109.3	113.4	116.4
122.5°	108.8	108.7	110.4	110.4	112.0	113.6	115.4	118.4	120.0	124.2	126.9
125°	118.4	118.8	119.5	120.2	121.9	123.6	125.4	128.5	130.1	134.0	135.7
127.5°	127.6	128.0	129.0	129.8	131.6	133.2	134.7	137.7	139.0	142.0	143.7
130°	136.4	136.7	138.0	138.8	140.4	141.9	143.2	145.7	146.1	149.0	151.1
132.5°	144.6	144.8	146.1	146.8	148.4	149.6	150.0	152.0	152.6	155.3	157.5
135°	151.3	151.4	153.0	153.2	154.3	155.1	155.4	157.6	158.3	160.9	162.5
137.5°	155.3	155.7	157.1	157.2	158.2	159.4	159.6	162.0	162.4	164.4	165.7
138°	155.7	156.2	157.7	157.9	158.9	160.0	160.2	162.6	163.0	164.8	166.1
140°	157.9	158.3	160.0	160.2	161.1	162.2	162.2	164.4	164.7	166.0	167.0
142.5°	160.2	160.6	162.3	162.4	163.1	164.2	164.1	166.2	166.3	167.0	167.5
145°	161.9	162.2	164.0	164.0	164.6	165.4	165.1	167.0	166.9	167.2	167.7
147.5°	162.5	162.8	164.7	164.6	165.0	165.6	165.1	167.0	166.6	166.6	167.1
150°	161.9	162.1	163.9	163.7	164.0	164.4	163.9	165.5	165.3	165.1	165.4
152.5°	160.4	160.5	162.2	162.1	162.2	162.5	161.8	163.4	163.1	162.6	163.1
155°	159.2	159.3	160.9	160.8	160.6	160.8	160.1	161.8	161.4	160.8	161.6
157.5°	158.2	158.2	159.9	159.7	159.6	159.6	158.8	160.2	159.9	159.2	160.1
160°	156.7	156.8	158.5	158.3	158.2	158.1	157.2	158.5	158.2	157.4	158.3
162.5°	154.9	154.9	156.5	156.3	156.1	155.9	155.1	156.4	156.0	155.1	156.2
165°	153.5	153.5	155.0	155.0	154.6	154.3	153.5	154.7	154.4	153.4	154.6
167.5°	152.8	152.7	154.1	154.0	153.7	153.3	152.4	153.6	153.2	152.1	153.5
170°	151.4	151.2	152.6	152.5	152.1	151.6	150.8	151.9	151.6	150.5	151.8
172.5°	149.1	148.7	150.1	150.1	149.6	149.2	148.3	149.4	149.3	148.1	149.6
175°	146.9	146.6	147.8	147.9	147.3	146.6	146.1	147.1	147.1	145.9	147.4
177.5°	145.9	145.7	146.9	147.0	146.4	145.8	145.2	146.2	146.3	145.1	146.8
180°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9



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CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.5	146.7	145.1	145.8	145.9	145.0	145.2	145.2	145.3	146.2	145.0
5°	146.2	147.3	145.7	146.3	146.3	145.2	145.3	145.2	145.1	146.0	144.5
7.5°	148.2	149.3	147.7	148.1	147.9	146.8	147.0	146.8	146.6	147.3	145.7
10°	150.4	151.6	150.0	150.3	150.1	148.8	149.0	148.8	148.5	149.0	147.3
12.5°	152.0	153.2	151.7	152.0	151.7	150.4	150.5	150.4	149.9	150.3	148.5
15°	153.3	154.4	153.1	153.2	152.8	151.6	151.7	151.7	151.1	151.3	149.6
17.5°	155.0	156.2	154.9	154.8	154.7	153.4	153.5	153.5	152.7	153.1	151.3
20°	157.3	158.6	157.3	157.1	157.0	155.8	155.7	155.9	155.1	155.4	153.6
22.5°	159.2	160.3	159.4	159.0	158.7	157.6	157.6	157.8	157.0	157.1	155.4
25°	160.7	161.9	160.9	160.4	160.2	159.1	159.2	159.5	158.4	158.5	157.0
27.5°	162.5	163.5	162.8	162.2	161.8	160.8	160.8	161.2	160.2	160.1	158.6
30°	164.9	165.8	165.3	164.3	163.9	162.9	163.1	163.5	162.3	162.1	160.7
32.5°	166.7	167.7	167.2	166.3	165.8	164.8	164.7	165.0	163.6	163.4	162.1
35°	167.6	168.8	168.5	167.4	167.0	165.9	165.6	165.9	164.3	163.9	162.6
37.5°	168.1	169.5	169.4	168.5	168.1	166.9	166.5	166.6	164.6	164.0	162.6
40°	168.3	169.6	169.9	169.1	169.0	168.0	167.4	167.4	165.0	164.0	162.4
42°	167.9	169.5	170.1	169.6	169.8	168.9	168.1	167.9	165.3	164.2	162.3
42.5°	167.7	169.2	170.0	169.6	169.9	169.1	168.2	168.0	165.4	164.1	162.2
45°	165.3	167.3	168.5	168.8	169.2	168.7	167.8	167.5	164.6	162.9	160.9
47.5°	161.0	163.2	164.9	166.0	166.9	167.0	166.2	166.0	162.7	160.6	158.2
50°	155.3	157.8	160.0	161.7	163.4	164.3	163.6	163.4	159.9	157.5	154.7
52.5°	148.4	151.1	153.3	156.2	158.8	160.3	160.1	159.8	156.2	153.4	150.3
55°	140.2	143.0	145.9	149.2	152.5	154.9	155.0	154.9	151.1	148.0	144.8
57.5°	131.2	133.7	136.9	140.6	145.0	148.0	148.4	148.3	144.6	141.2	137.3
60°	121.3	123.5	126.7	130.7	135.5	139.1	140.0	140.2	136.4	133.0	129.4
62.5°	110.5	112.8	115.8	119.7	124.7	128.8	130.0	130.5	126.7	123.3	119.4
65°	99.6	101.9	105.2	108.8	113.8	118.1	119.3	119.7	116.2	113.1	109.7
67.5°	87.7	89.9	93.1	96.6	101.4	105.6	106.9	107.5	104.3	101.2	98.1
70°	75.8	77.6	80.5	83.9	88.3	91.6	93.5	94.1	91.3	88.5	85.8
72.5°	64.2	65.5	68.1	70.9	74.8	77.8	79.5	80.1	77.6	75.4	73.3
75°	52.6	53.8	56.0	58.2	61.3	64.5	65.4	66.0	63.7	61.9	60.3
77.5°	41.7	42.4	44.2	45.9	48.2	49.9	51.2	51.8	49.9	48.5	47.3
80°	31.5	31.7	33.2	34.1	35.7	36.6	37.6	37.8	37.1	35.5	34.9
82.5°	22.3	22.3	23.2	23.5	24.2	25.1	25.1	25.1	24.5	23.5	23.4
85°	14.7	14.3	15.0	14.7	14.6	15.0	14.5	14.3	13.8	13.6	13.6
87.5°	9.3	8.8	9.0	8.5	8.0	7.7	7.1	6.7	6.3	6.3	6.5
90°	7.4	7.0	7.0	6.4	5.6	5.0	4.4	3.8	3.4	3.4	3.6
92.5°	9.3	8.8	9.0	8.5	8.0	7.7	7.1	6.7	6.3	6.3	6.5
95°	14.7	14.3	15.0	14.7	14.6	15.0	14.5	14.3	13.8	13.6	13.6
97.5°	22.3	22.3	23.2	23.5	24.2	25.1	25.1	25.1	24.5	23.5	23.4
100°	31.5	31.7	33.2	34.1	35.7	36.6	37.6	37.8	37.1	35.5	34.9
102.5°	41.7	42.4	44.2	45.9	48.2	49.9	51.2	51.8	49.9	48.5	47.3
105°	52.6	53.8	56.0	58.2	61.3	64.5	65.4	66.0	63.7	61.9	60.3
107.5°	64.2	65.5	68.1	70.9	74.8	77.8	79.5	80.1	77.6	75.4	73.3



TEST NUMBER: P394993

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	55°	58°	60°	65°	70°	75°	80°	85°	90°	95°	100°
110°	75.8	77.6	80.5	83.9	88.3	91.6	93.5	94.1	91.3	88.5	85.8
112.5°	87.7	89.9	93.1	96.6	101.4	105.6	106.9	107.5	104.3	101.2	98.1
115°	99.6	101.9	105.2	108.8	113.8	118.1	119.3	119.7	116.2	113.1	109.7
117.5°	110.5	112.8	115.8	119.7	124.7	128.8	130.0	130.5	126.7	123.3	119.4
120°	121.3	123.5	126.7	130.7	135.5	139.1	140.0	140.2	136.4	133.0	129.4
122.5°	131.2	133.7	136.9	140.6	145.0	148.0	148.4	148.3	144.6	141.2	137.3
125°	140.2	143.0	145.9	149.2	152.5	154.9	155.0	154.9	151.1	148.0	144.8
127.5°	148.4	151.1	153.3	156.2	158.8	160.3	160.1	159.8	156.2	153.4	150.3
130°	155.3	157.8	160.0	161.7	163.4	164.3	163.6	163.4	159.9	157.5	154.7
132.5°	161.0	163.2	164.9	166.0	166.9	167.0	166.2	166.0	162.7	160.6	158.2
135°	165.3	167.3	168.5	168.8	169.2	168.7	167.8	167.5	164.6	162.9	160.9
137.5°	167.7	169.2	170.0	169.6	169.9	169.1	168.2	168.0	165.4	164.1	162.2
138°	167.9	169.5	170.1	169.6	169.8	168.9	168.1	167.9	165.3	164.2	162.3
140°	168.3	169.6	169.9	169.1	169.0	168.0	167.4	167.4	165.0	164.0	162.4
142.5°	168.1	169.5	169.4	168.5	168.1	166.9	166.5	166.6	164.6	164.0	162.6
145°	167.6	168.8	168.5	167.4	167.0	165.9	165.6	165.9	164.3	163.9	162.6
147.5°	166.7	167.7	167.2	166.3	165.8	164.8	164.7	165.0	163.6	163.4	162.1
150°	164.9	165.8	165.3	164.3	163.9	162.9	163.1	163.5	162.3	162.1	160.7
152.5°	162.5	163.5	162.8	162.2	161.8	160.8	160.8	161.2	160.2	160.1	158.6
155°	160.7	161.9	160.9	160.4	160.2	159.1	159.2	159.5	158.4	158.5	157.0
157.5°	159.2	160.3	159.4	159.0	158.7	157.6	157.6	157.8	157.0	157.1	155.4
160°	157.3	158.6	157.3	157.1	157.0	155.8	155.7	155.9	155.1	155.4	153.6
162.5°	155.0	156.2	154.9	154.8	154.7	153.4	153.5	153.5	152.7	153.1	151.3
165°	153.3	154.4	153.1	153.2	152.8	151.6	151.7	151.7	151.1	151.3	149.6
167.5°	152.0	153.2	151.7	152.0	151.7	150.4	150.5	150.4	149.9	150.3	148.5
170°	150.4	151.6	150.0	150.3	150.1	148.8	149.0	148.8	148.5	149.0	147.3
172.5°	148.2	149.3	147.7	148.1	147.9	146.8	147.0	146.8	146.6	147.3	145.7
175°	146.2	147.3	145.7	146.3	146.3	145.2	145.3	145.2	145.1	146.0	144.5
177.5°	145.5	146.7	145.1	145.8	145.9	145.0	145.2	145.2	145.3	146.2	145.0
180°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9



TEST NUMBER: P394993

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	145.7	144.5	144.4	144.0	144.7	143.5	143.9	142.8	142.8	142.8	143.1
5°	145.0	143.7	143.5	142.9	143.5	142.1	142.4	141.2	140.9	140.8	141.0
7.5°	146.0	144.5	144.3	143.4	143.8	142.3	142.5	141.2	140.5	140.4	140.6
10°	147.4	145.8	145.4	144.3	144.6	142.9	142.9	141.3	140.5	140.0	140.1
12.5°	148.4	146.8	146.2	144.7	144.9	143.1	142.8	140.9	139.8	139.2	139.1
15°	149.4	147.5	146.9	145.1	145.2	143.2	142.6	140.4	138.9	137.9	137.7
17.5°	151.1	149.1	148.3	146.2	146.0	144.0	143.0	140.4	138.5	137.2	136.8
20°	153.2	151.2	150.3	147.9	147.5	145.1	143.8	140.8	138.5	136.9	136.2
22.5°	155.0	152.9	151.8	149.2	148.5	145.6	143.9	140.5	137.7	135.8	134.6
25°	156.2	154.2	152.9	149.9	149.0	145.9	143.6	139.9	136.5	134.1	132.5
27.5°	157.8	155.7	154.2	151.0	149.7	146.2	143.4	139.0	135.2	132.2	130.2
30°	159.8	157.4	156.0	152.1	150.5	146.5	143.1	138.4	133.9	130.6	128.0
32.5°	161.0	158.5	156.6	152.5	150.4	146.0	142.0	136.6	131.5	127.7	125.0
35°	161.1	158.6	156.3	151.8	149.3	144.2	139.7	133.8	128.3	124.1	121.0
37.5°	161.0	157.8	155.3	150.4	147.2	141.7	136.6	130.3	124.4	119.9	116.5
40°	160.4	157.1	154.0	148.4	144.6	138.8	133.1	126.5	120.0	114.5	110.1
42°	160.0	156.2	152.5	146.6	142.3	136.3	130.2	123.1	115.5	109.2	104.1
42.5°	159.6	155.9	151.9	146.1	141.8	135.5	129.4	122.0	114.2	107.7	102.3
45°	157.7	153.3	148.9	142.5	137.5	130.9	123.9	115.3	106.5	98.1	88.4
47.5°	154.7	149.7	144.5	137.7	132.1	124.9	116.6	106.8	94.1	77.6	66.0
50°	150.7	145.2	139.2	131.9	126.1	117.7	108.4	91.8	71.6	62.3	55.7
52.5°	145.7	139.6	133.0	125.5	118.3	109.1	93.4	72.3	60.3	53.5	47.5
55°	139.8	133.2	126.0	117.9	109.6	95.9	75.6	61.4	52.2	46.5	40.4
57.5°	132.3	125.5	117.8	109.2	98.0	78.1	65.7	53.9	45.1	39.2	30.5
60°	123.7	116.8	108.6	99.4	81.9	67.4	57.6	47.2	36.5	26.1	18.6
62.5°	114.0	107.1	98.8	86.4	71.0	59.3	50.2	37.6	25.4	19.5	13.6
65°	104.2	97.2	88.6	74.5	62.7	52.1	40.4	30.0	20.5	15.5	10.3
67.5°	92.9	86.4	77.9	65.1	54.7	44.7	33.9	25.3	17.1	13.0	9.1
70°	81.1	75.2	67.4	56.4	47.1	38.3	28.9	21.7	14.8	11.3	7.9
72.5°	68.9	63.8	57.3	47.7	39.8	32.3	24.5	18.3	12.6	9.6	6.8
75°	56.5	52.3	47.0	39.1	32.6	26.7	20.2	15.3	10.6	8.0	5.7
77.5°	44.5	41.1	37.1	30.9	25.8	20.9	16.1	12.4	8.6	6.4	4.7
80°	32.9	30.4	27.5	23.1	19.4	16.0	12.4	9.4	6.8	5.2	3.7
82.5°	22.1	20.6	18.7	15.9	13.5	11.4	8.8	7.0	5.0	3.8	2.9
85°	13.1	12.3	11.3	9.8	8.5	7.4	6.0	4.9	3.7	3.0	2.3
87.5°	6.5	6.2	5.9	5.5	4.9	4.5	3.7	3.2	2.6	2.1	1.6
90°	3.8	4.0	3.8	3.6	3.4	3.2	2.8	2.6	2.2	1.8	1.4
92.5°	6.5	6.2	5.9	5.5	4.9	4.5	3.7	3.2	2.6	2.1	1.6
95°	13.1	12.3	11.3	9.8	8.5	7.4	6.0	4.9	3.7	3.0	2.3
97.5°	22.1	20.6	18.7	15.9	13.5	11.4	8.8	7.0	5.0	3.8	2.9
100°	32.9	30.4	27.5	23.1	19.4	16.0	12.4	9.4	6.8	5.2	3.7
102.5°	44.5	41.1	37.1	30.9	25.8	20.9	16.1	12.4	8.6	6.4	4.7
105°	56.5	52.3	47.0	39.1	32.6	26.7	20.2	15.3	10.6	8.0	5.7
107.5°	68.9	63.8	57.3	47.7	39.8	32.3	24.5	18.3	12.6	9.6	6.8



TEST NUMBER: P394993

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
110°	81.1	75.2	67.4	56.4	47.1	38.3	28.9	21.7	14.8	11.3	7.9
112.5°	92.9	86.4	77.9	65.1	54.7	44.7	33.9	25.3	17.1	13.0	9.1
115°	104.2	97.2	88.6	74.5	62.7	52.1	40.4	30.0	20.5	15.5	10.3
117.5°	114.0	107.1	98.8	86.4	71.0	59.3	50.2	37.6	25.4	19.5	13.6
120°	123.7	116.8	108.6	99.4	81.9	67.4	57.6	47.2	36.5	26.1	18.6
122.5°	132.3	125.5	117.8	109.2	98.0	78.1	65.7	53.9	45.1	39.2	30.5
125°	139.8	133.2	126.0	117.9	109.6	95.9	75.6	61.4	52.2	46.5	40.4
127.5°	145.7	139.6	133.0	125.5	118.3	109.1	93.4	72.3	60.3	53.5	47.5
130°	150.7	145.2	139.2	131.9	126.1	117.7	108.4	91.8	71.6	62.3	55.7
132.5°	154.7	149.7	144.5	137.7	132.1	124.9	116.6	106.8	94.1	77.6	66.0
135°	157.7	153.3	148.9	142.5	137.5	130.9	123.9	115.3	106.5	98.1	88.4
137.5°	159.6	155.9	151.9	146.1	141.8	135.5	129.4	122.0	114.2	107.7	102.3
138°	160.0	156.2	152.5	146.6	142.3	136.3	130.2	123.1	115.5	109.2	104.1
140°	160.4	157.1	154.0	148.4	144.6	138.8	133.1	126.5	120.0	114.5	110.1
142.5°	161.0	157.8	155.3	150.4	147.2	141.7	136.6	130.3	124.4	119.9	116.5
145°	161.1	158.6	156.3	151.8	149.3	144.2	139.7	133.8	128.3	124.1	121.0
147.5°	161.0	158.5	156.6	152.5	150.4	146.0	142.0	136.6	131.5	127.7	125.0
150°	159.8	157.4	156.0	152.1	150.5	146.5	143.1	138.4	133.9	130.6	128.0
152.5°	157.8	155.7	154.2	151.0	149.7	146.2	143.4	139.0	135.2	132.2	130.2
155°	156.2	154.2	152.9	149.9	149.0	145.9	143.6	139.9	136.5	134.1	132.5
157.5°	155.0	152.9	151.8	149.2	148.5	145.6	143.9	140.5	137.7	135.8	134.6
160°	153.2	151.2	150.3	147.9	147.5	145.1	143.8	140.8	138.5	136.9	136.2
162.5°	151.1	149.1	148.3	146.2	146.0	144.0	143.0	140.4	138.5	137.2	136.8
165°	149.4	147.5	146.9	145.1	145.2	143.2	142.6	140.4	138.9	137.9	137.7
167.5°	148.4	146.8	146.2	144.7	144.9	143.1	142.8	140.9	139.8	139.2	139.1
170°	147.4	145.8	145.4	144.3	144.6	142.9	142.9	141.3	140.5	140.0	140.1
172.5°	146.0	144.5	144.3	143.4	143.8	142.3	142.5	141.2	140.5	140.4	140.6
175°	145.0	143.7	143.5	142.9	143.5	142.1	142.4	141.2	140.9	140.8	141.0
177.5°	145.7	144.5	144.4	144.0	144.7	143.5	143.9	142.8	142.8	142.8	143.1
180°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9



TEST NUMBER: P394993

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	144.9	144.9	144.9	144.9	144.9
2.5°	142.5	142.9	143.0	143.0	143.8
5°	140.3	140.9	140.7	140.8	141.6
7.5°	139.6	140.2	139.8	140.0	140.8
10°	139.1	139.5	139.1	139.1	139.9
12.5°	138.0	138.3	137.5	137.5	138.5
15°	136.4	136.6	135.7	135.7	136.6
17.5°	135.3	135.4	134.2	134.2	135.1
20°	134.3	134.3	133.0	132.9	133.7
22.5°	132.6	132.4	130.8	130.5	131.3
25°	130.1	129.6	127.9	127.5	128.4
27.5°	127.5	126.8	124.8	124.4	125.2
30°	125.0	124.0	121.8	121.4	122.1
32.5°	121.7	120.4	117.9	117.5	118.1
35°	117.5	115.9	113.3	112.7	113.3
37.5°	112.2	109.6	106.5	105.6	106.1
40°	105.1	102.0	98.1	96.8	97.3
42°	98.0	93.4	87.8	85.2	85.6
42.5°	95.7	90.1	83.2	80.0	80.2
45°	73.4	64.2	59.9	57.7	57.9
47.5°	57.1	52.3	49.4	47.6	47.9
50°	48.0	43.5	40.9	39.4	39.6
52.5°	40.6	36.4	33.9	32.3	31.7
55°	33.4	28.0	24.2	21.0	19.1
57.5°	18.5	13.1	10.7	9.3	8.6
60°	11.2	7.6	5.5	4.2	3.6
62.5°	7.3	4.2	2.2	0.8	0.2
65°	5.3	2.8	1.4	0.5	0.1
67.5°	4.8	2.6	1.3	0.4	0.1
70°	4.3	2.3	1.1	0.4	0.1
72.5°	3.6	2.0	1.0	0.4	0.1
75°	3.3	1.7	0.9	0.4	0.2
77.5°	2.7	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°	2.7	1.5	0.8	0.3	0.2
105°	3.3	1.7	0.9	0.4	0.2
107.5°	3.6	2.0	1.0	0.4	0.1



TEST NUMBER: P394993

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T2-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
110°	4.3	2.3	1.1	0.4	0.1
112.5°	4.8	2.6	1.3	0.4	0.1
115°	5.3	2.8	1.4	0.5	0.1
117.5°	7.3	4.2	2.2	0.8	0.2
120°	11.2	7.6	5.5	4.2	3.6
122.5°	18.5	13.1	10.7	9.3	8.6
125°	33.4	28.0	24.2	21.0	19.1
127.5°	40.6	36.4	33.9	32.3	31.7
130°	48.0	43.5	40.9	39.4	39.6
132.5°	57.1	52.3	49.4	47.6	47.9
135°	73.4	64.2	59.9	57.7	57.9
137.5°	95.7	90.1	83.2	80.0	80.2
138°	98.0	93.4	87.8	85.2	85.6
140°	105.1	102.0	98.1	96.8	97.3
142.5°	112.2	109.6	106.5	105.6	106.1
145°	117.5	115.9	113.3	112.7	113.3
147.5°	121.7	120.4	117.9	117.5	118.1
150°	125.0	124.0	121.8	121.4	122.1
152.5°	127.5	126.8	124.8	124.4	125.2
155°	130.1	129.6	127.9	127.5	128.4
157.5°	132.6	132.4	130.8	130.5	131.3
160°	134.3	134.3	133.0	132.9	133.7
162.5°	135.3	135.4	134.2	134.2	135.1
165°	136.4	136.6	135.7	135.7	136.6
167.5°	138.0	138.3	137.5	137.5	138.5
170°	139.1	139.5	139.1	139.1	139.9
172.5°	139.6	140.2	139.8	140.0	140.8
175°	140.3	140.9	140.7	140.8	141.6
177.5°	142.5	142.9	143.0	143.0	143.8
180°	144.9	144.9	144.9	144.9	144.9

(END OF REPORT)