

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: P395003

Luminaire Tested: **303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P395003
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-LEDB2-3500-UNV-T4-DIM10-CS-EDGE
Description: LUMIERE EON LED LUMINAIRE
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1049.9 lumens
Efficiency: N/A
Efficacy: 67.7 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

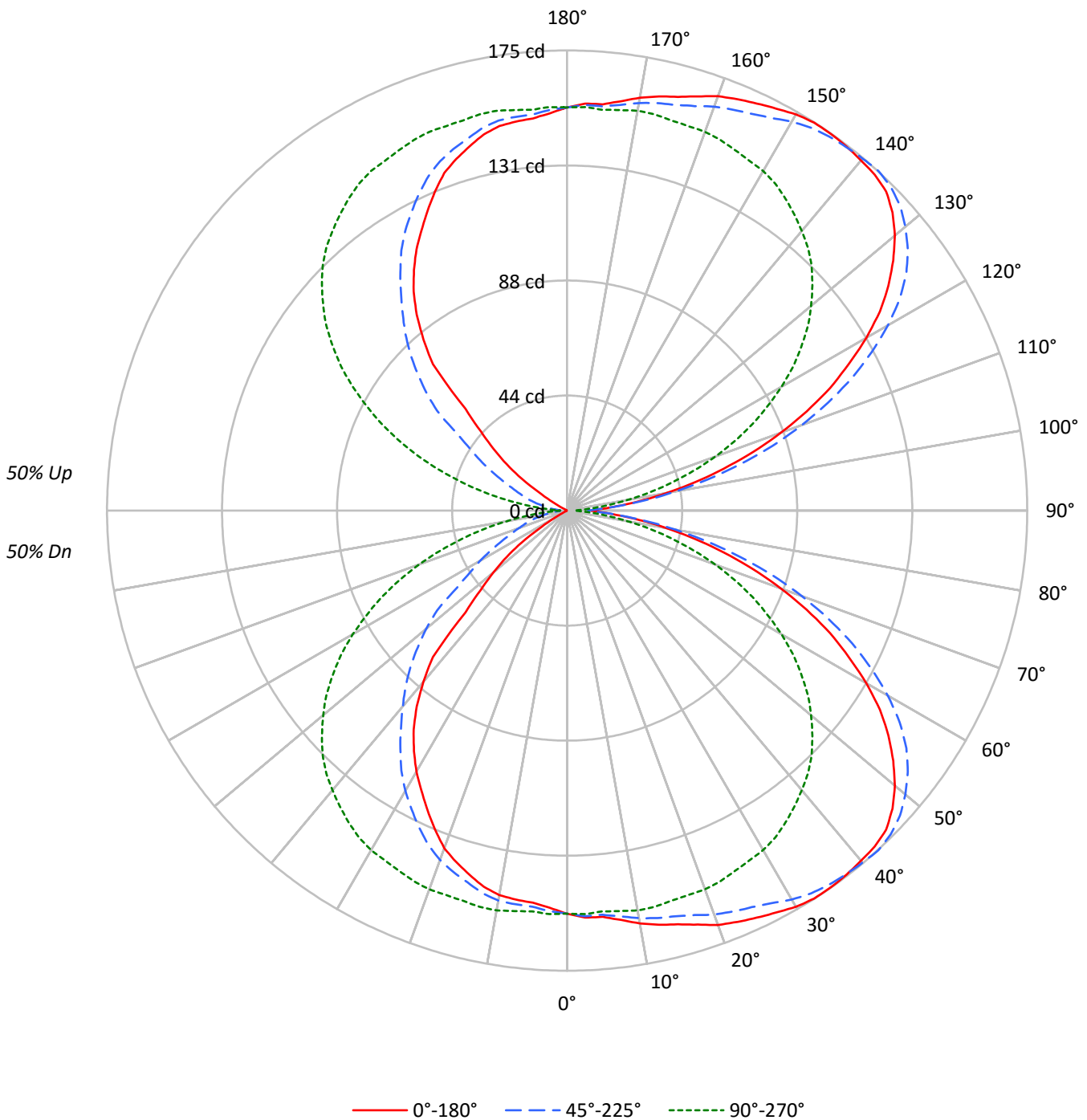
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	21121	21121	21121
5°	13093	15621	12637
10°	9753	12598	9086
15°	7863	10503	6922
20°	6726	9081	5479
25°	5898	7953	4341
30°	5311	7102	3498
35°	4816	6345	2803
40°	4392	5672	2147
45°	4030	5070	1285
50°	3597	4452	807
55°	3138	3846	444
60°	2655	3233	99
65°	2160	2617	6
70°	1656	1988	6
75°	1164	1360	6
80°	717	777	6
85°	352	301	7



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	1.4
10°-20°	43.4	4.1
20°-30°	69.2	6.6
30°-40°	88.8	8.5
40°-50°	97.0	9.2
50°-60°	89.6	8.5
60°-70°	68.9	6.6
70°-80°	40.6	3.9
80°-90°	12.9	1.2
90°-100°	12.9	1.2
100°-110°	40.6	3.9
110°-120°	68.9	6.6
120°-130°	89.6	8.5
130°-140°	97.0	9.2
140°-150°	88.8	8.5
150°-160°	69.2	6.6
160°-170°	43.4	4.1
170°-180°	14.6	1.4
0°-30°	127.1	12.1
0°-40°	215.9	20.6
0°-60°	402.6	38.3
0°-90°	525.0	50.0
90°-120°	122.4	11.7
90°-150°	397.8	37.9
90°-180°	525.0	50.0
0°-180°	1049.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	153	153	153	153	153	
5°	155	154	153	151	150	15
15°	163	160	154	146	143	46
25°	171	166	151	133	126	79
35°	175	174	145	111	102	110
45°	172	174	132	84	55	132
55°	149	158	109	51	21	133
65°	110	120	78	27	0	109
75°	62	68	41	14	0	65
85°	19	19	9	4	0	20
90°	9	8	3	3	0	6
95°	19	19	9	4	0	20
105°	62	68	41	14	0	65
115°	110	120	78	27	0	109
125°	149	158	109	51	21	133
135°	172	174	132	84	55	132
145°	175	174	145	111	102	110
155°	171	166	151	133	126	79
165°	163	160	154	146	143	46
175°	155	154	153	151	150	15
180°	153	153	153	153	153	



TEST NUMBER: P395003

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	154.9	153.2	152.4	153.4	152.6	154.3	153.7	153.4	153.4	154.5	154.4
5°	155.1	153.3	152.3	153.4	152.8	154.3	153.7	153.3	153.2	154.4	154.3
7.5°	157.0	155.0	154.0	155.2	154.5	155.9	155.2	154.8	154.7	155.9	155.6
10°	159.4	157.3	156.3	157.5	156.7	158.1	157.4	156.9	156.7	157.7	157.4
12.5°	161.3	159.1	158.3	159.4	158.5	159.8	159.2	158.4	158.3	159.1	158.7
15°	162.9	160.7	159.9	160.9	160.0	161.1	160.5	159.7	159.5	160.2	159.7
17.5°	165.1	162.9	162.0	163.2	162.3	162.9	162.3	161.6	161.5	162.0	161.3
20°	167.7	165.5	164.7	165.9	164.8	165.6	164.8	164.1	163.8	164.1	163.5
22.5°	169.3	167.2	166.7	167.9	166.8	167.4	166.8	166.0	165.8	166.0	165.0
25°	170.8	168.5	168.1	169.4	168.4	169.0	168.5	167.7	167.5	167.4	166.4
27.5°	172.3	170.0	169.7	171.1	170.2	170.8	170.4	169.8	169.5	169.3	168.3
30°	174.0	172.0	171.7	173.4	172.7	173.2	173.0	172.4	172.3	171.9	170.8
32.5°	174.9	173.1	173.1	174.8	174.5	175.1	175.0	174.5	174.3	173.9	172.6
35°	174.9	173.2	173.4	175.3	175.0	175.7	176.0	175.6	175.6	175.0	173.7
37.5°	174.5	173.1	173.5	175.4	175.2	176.0	176.6	176.3	176.4	175.8	174.3
40°	173.9	172.7	173.3	175.3	175.3	176.2	176.9	176.9	177.1	176.3	174.8
42.5°	173.2	172.1	172.9	174.9	175.0	175.9	177.3	177.3	177.5	176.7	175.2
45°	171.6	170.6	171.7	173.5	173.5	174.3	176.0	176.3	176.6	175.8	174.1
47.5°	167.8	167.0	168.3	170.2	170.7	171.5	173.5	173.8	174.3	173.4	171.7
50°	162.7	161.9	163.2	165.3	166.1	167.5	169.8	170.3	170.7	169.7	167.9
52.5°	156.3	155.9	157.1	159.3	160.6	162.0	164.5	165.5	166.2	165.4	163.3
55°	149.2	148.7	150.1	152.0	153.6	155.0	158.0	159.0	159.8	159.3	157.5
57.5°	141.0	140.6	142.0	143.7	145.4	146.7	150.0	151.1	151.9	151.5	150.0
60°	131.4	131.1	132.5	134.6	136.1	137.3	140.6	141.7	142.7	142.3	140.9
62.5°	120.8	120.6	122.0	123.6	125.5	126.6	129.9	131.1	132.1	131.4	130.6
65°	110.3	110.2	111.6	113.5	114.8	115.7	118.9	120.6	120.9	120.8	119.6
67.5°	98.6	98.5	99.8	101.5	102.8	103.6	106.5	108.1	108.5	108.5	107.5
70°	86.5	86.4	87.7	89.4	90.0	91.0	93.6	95.1	95.4	95.1	94.9
72.5°	74.1	74.0	75.1	76.4	77.5	78.1	80.4	81.7	81.8	81.8	81.9
75°	61.7	62.2	62.5	64.3	64.7	65.0	67.1	68.1	68.1	68.2	68.2
77.5°	49.7	49.6	50.4	52.0	52.2	52.4	54.0	54.7	54.7	54.8	54.7
80°	38.3	38.8	38.7	39.7	39.8	40.1	41.3	41.7	41.7	42.0	41.8
82.5°	27.7	28.3	28.1	28.9	28.9	28.9	29.7	29.8	29.7	29.9	29.8
85°	18.8	19.2	19.0	19.5	19.3	19.3	19.7	19.6	19.4	19.5	19.2
87.5°	12.3	12.4	12.3	12.8	12.7	12.3	12.4	12.1	11.8	11.7	11.4
90°	9.0	9.2	9.4	9.4	9.2	9.0	9.0	8.6	8.4	8.4	8.0
92.5°	12.3	12.4	12.3	12.8	12.7	12.3	12.4	12.1	11.8	11.7	11.4
95°	18.8	19.2	19.0	19.5	19.3	19.3	19.7	19.6	19.4	19.5	19.2
97.5°	27.7	28.3	28.1	28.9	28.9	28.9	29.7	29.8	29.7	29.9	29.8
100°	38.3	38.8	38.7	39.7	39.8	40.1	41.3	41.7	41.7	42.0	41.8
102.5°	49.7	49.6	50.4	52.0	52.2	52.4	54.0	54.7	54.7	54.8	54.7
105°	61.7	62.2	62.5	64.3	64.7	65.0	67.1	68.1	68.1	68.2	68.2
107.5°	74.1	74.0	75.1	76.4	77.5	78.1	80.4	81.7	81.8	81.8	81.9
110°	86.5	86.4	87.7	89.4	90.0	91.0	93.6	95.1	95.4	95.1	94.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	98.6	98.5	99.8	101.5	102.8	103.6	106.5	108.1	108.5	108.5	107.5
115°	110.3	110.2	111.6	113.5	114.8	115.7	118.9	120.6	120.9	120.8	119.6
117.5°	120.8	120.6	122.0	123.6	125.5	126.6	129.9	131.1	132.1	131.4	130.6
120°	131.4	131.1	132.5	134.6	136.1	137.3	140.6	141.7	142.7	142.3	140.9
122.5°	141.0	140.6	142.0	143.7	145.4	146.7	150.0	151.1	151.9	151.5	150.0
125°	149.2	148.7	150.1	152.0	153.6	155.0	158.0	159.0	159.8	159.3	157.5
127.5°	156.3	155.9	157.1	159.3	160.6	162.0	164.5	165.5	166.2	165.4	163.3
130°	162.7	161.9	163.2	165.3	166.1	167.5	169.8	170.3	170.7	169.7	167.9
132.5°	167.8	167.0	168.3	170.2	170.7	171.5	173.5	173.8	174.3	173.4	171.7
135°	171.6	170.6	171.7	173.5	173.5	174.3	176.0	176.3	176.6	175.8	174.1
137.5°	173.2	172.1	172.9	174.9	175.0	175.9	177.3	177.3	177.5	176.7	175.2
140°	173.9	172.7	173.3	175.3	175.3	176.2	176.9	176.9	177.1	176.3	174.8
142.5°	174.5	173.1	173.5	175.4	175.2	176.0	176.6	176.3	176.4	175.8	174.3
145°	174.9	173.2	173.4	175.3	175.0	175.7	176.0	175.6	175.6	175.0	173.7
147.5°	174.9	173.1	173.1	174.8	174.5	175.1	175.0	174.5	174.3	173.9	172.6
150°	174.0	172.0	171.7	173.4	172.7	173.2	173.0	172.4	172.3	171.9	170.8
152.5°	172.3	170.0	169.7	171.1	170.2	170.8	170.4	169.8	169.5	169.3	168.3
155°	170.8	168.5	168.1	169.4	168.4	169.0	168.5	167.7	167.5	167.4	166.4
157.5°	169.3	167.2	166.7	167.9	166.8	167.4	166.8	166.0	165.8	166.0	165.0
160°	167.7	165.5	164.7	165.9	164.8	165.6	164.8	164.1	163.8	164.1	163.5
162.5°	165.1	162.9	162.0	163.2	162.3	162.9	162.3	161.6	161.5	162.0	161.3
165°	162.9	160.7	159.9	160.9	160.0	161.1	160.5	159.7	159.5	160.2	159.7
167.5°	161.3	159.1	158.3	159.4	158.5	159.8	159.2	158.4	158.3	159.1	158.7
170°	159.4	157.3	156.3	157.5	156.7	158.1	157.4	156.9	156.7	157.7	157.4
172.5°	157.0	155.0	154.0	155.2	154.5	155.9	155.2	154.8	154.7	155.9	155.6
175°	155.1	153.3	152.3	153.4	152.8	154.3	153.7	153.3	153.2	154.4	154.3
177.5°	154.9	153.2	152.4	153.4	152.6	154.3	153.7	153.4	153.4	154.5	154.4
180°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	153.5	154.0	154.0	153.7	153.6	153.7	153.5	154.0	153.6	152.8	153.3
5°	153.3	153.9	153.7	153.5	153.1	153.3	153.1	153.5	153.0	152.2	152.6
7.5°	154.6	155.3	154.8	154.7	154.1	154.3	154.0	154.2	153.6	152.8	153.1
10°	156.3	157.2	156.4	156.2	155.2	155.5	155.0	155.0	154.4	153.5	153.6
12.5°	157.5	158.4	157.3	157.0	155.8	156.0	155.2	155.0	154.3	153.2	153.2
15°	158.5	159.3	158.0	157.5	156.0	156.1	155.0	154.5	153.6	152.3	152.0
17.5°	160.0	160.8	159.2	158.6	156.6	156.5	155.2	154.3	153.3	151.8	151.2
20°	162.0	162.8	160.9	160.1	157.7	157.6	155.9	154.6	153.3	151.5	150.5
22.5°	163.4	164.2	162.0	161.1	158.3	157.9	156.0	154.2	152.5	150.5	148.9
25°	164.8	165.5	162.9	161.8	158.5	157.9	155.6	153.3	151.2	148.8	146.9
27.5°	166.6	167.1	164.1	162.8	159.0	158.2	155.3	152.4	150.0	147.0	144.6
30°	168.9	169.4	166.0	164.4	160.0	158.9	155.4	152.1	149.1	145.6	142.5
32.5°	170.7	170.9	167.3	165.4	160.4	158.9	155.0	150.8	147.4	143.4	139.6
35°	171.8	171.6	167.6	165.4	160.0	158.1	153.7	148.8	144.8	140.4	135.9
37.5°	172.3	172.0	167.7	165.2	159.2	156.8	151.8	146.4	141.9	136.8	131.5
40°	172.9	172.2	167.5	164.7	158.2	155.3	149.9	143.9	138.8	133.3	127.3
42.5°	173.1	172.2	167.1	164.0	156.9	153.7	147.7	141.1	135.6	129.6	123.1
45°	172.1	170.7	165.4	161.9	154.5	150.7	144.4	137.3	131.5	125.2	118.2
47.5°	169.4	167.6	162.3	158.4	150.7	146.7	140.1	132.5	126.5	120.0	112.7
50°	165.8	163.6	158.2	154.1	146.1	141.8	135.0	127.3	121.1	114.5	107.0
52.5°	161.2	158.8	153.1	148.8	140.7	136.2	129.3	121.5	115.5	108.6	101.0
55°	155.2	152.6	146.9	142.4	134.3	129.7	122.9	114.9	108.7	102.1	94.6
57.5°	148.3	145.0	139.4	134.6	126.7	122.1	115.4	107.7	101.9	95.2	87.8
60°	139.5	136.2	130.5	125.8	118.0	113.5	107.1	100.0	94.1	87.7	80.7
62.5°	129.3	126.2	120.7	115.4	108.6	104.0	98.0	91.4	85.9	79.8	73.3
65°	118.6	115.5	110.8	105.7	99.0	94.6	89.1	82.8	77.8	72.1	66.0
67.5°	106.4	103.5	99.2	94.4	88.3	84.8	79.2	73.4	68.8	63.8	58.4
70°	93.8	90.8	87.2	82.5	77.4	73.4	69.0	63.8	59.9	55.5	50.6
72.5°	80.6	77.9	74.4	70.4	65.5	62.8	58.5	54.0	50.4	46.7	42.7
75°	67.1	64.7	61.8	58.2	53.9	51.7	48.0	44.3	41.2	38.2	34.8
77.5°	53.8	51.8	49.4	46.9	42.6	40.7	37.8	34.7	32.4	29.9	27.3
80°	40.7	39.1	37.2	34.9	32.0	30.2	27.9	25.5	23.5	22.0	20.4
82.5°	28.7	27.4	26.0	24.3	22.2	20.6	18.9	17.1	15.7	14.8	13.7
85°	18.4	17.5	16.5	15.2	13.7	12.7	11.3	10.0	9.0	8.6	8.2
87.5°	11.1	10.2	9.4	8.9	7.6	6.8	5.9	4.9	4.6	4.3	4.3
90°	7.6	7.0	6.4	5.8	5.2	4.6	3.8	3.2	2.8	2.8	3.0
92.5°	11.1	10.2	9.4	8.9	7.6	6.8	5.9	4.9	4.6	4.3	4.3
95°	18.4	17.5	16.5	15.2	13.7	12.7	11.3	10.0	9.0	8.6	8.2
97.5°	28.7	27.4	26.0	24.3	22.2	20.6	18.9	17.1	15.7	14.8	13.7
100°	40.7	39.1	37.2	34.9	32.0	30.2	27.9	25.5	23.5	22.0	20.4
102.5°	53.8	51.8	49.4	46.9	42.6	40.7	37.8	34.7	32.4	29.9	27.3
105°	67.1	64.7	61.8	58.2	53.9	51.7	48.0	44.3	41.2	38.2	34.8
107.5°	80.6	77.9	74.4	70.4	65.5	62.8	58.5	54.0	50.4	46.7	42.7
110°	93.8	90.8	87.2	82.5	77.4	73.4	69.0	63.8	59.9	55.5	50.6



TEST NUMBER: P395003

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	106.4	103.5	99.2	94.4	88.3	84.8	79.2	73.4	68.8	63.8	58.4
115°	118.6	115.5	110.8	105.7	99.0	94.6	89.1	82.8	77.8	72.1	66.0
117.5°	129.3	126.2	120.7	115.4	108.6	104.0	98.0	91.4	85.9	79.8	73.3
120°	139.5	136.2	130.5	125.8	118.0	113.5	107.1	100.0	94.1	87.7	80.7
122.5°	148.3	145.0	139.4	134.6	126.7	122.1	115.4	107.7	101.9	95.2	87.8
125°	155.2	152.6	146.9	142.4	134.3	129.7	122.9	114.9	108.7	102.1	94.6
127.5°	161.2	158.8	153.1	148.8	140.7	136.2	129.3	121.5	115.5	108.6	101.0
130°	165.8	163.6	158.2	154.1	146.1	141.8	135.0	127.3	121.1	114.5	107.0
132.5°	169.4	167.6	162.3	158.4	150.7	146.7	140.1	132.5	126.5	120.0	112.7
135°	172.1	170.7	165.4	161.9	154.5	150.7	144.4	137.3	131.5	125.2	118.2
137.5°	173.1	172.2	167.1	164.0	156.9	153.7	147.7	141.1	135.6	129.6	123.1
140°	172.9	172.2	167.5	164.7	158.2	155.3	149.9	143.9	138.8	133.3	127.3
142.5°	172.3	172.0	167.7	165.2	159.2	156.8	151.8	146.4	141.9	136.8	131.5
145°	171.8	171.6	167.6	165.4	160.0	158.1	153.7	148.8	144.8	140.4	135.9
147.5°	170.7	170.9	167.3	165.4	160.4	158.9	155.0	150.8	147.4	143.4	139.6
150°	168.9	169.4	166.0	164.4	160.0	158.9	155.4	152.1	149.1	145.6	142.5
152.5°	166.6	167.1	164.1	162.8	159.0	158.2	155.3	152.4	150.0	147.0	144.6
155°	164.8	165.5	162.9	161.8	158.5	157.9	155.6	153.3	151.2	148.8	146.9
157.5°	163.4	164.2	162.0	161.1	158.3	157.9	156.0	154.2	152.5	150.5	148.9
160°	162.0	162.8	160.9	160.1	157.7	157.6	155.9	154.6	153.3	151.5	150.5
162.5°	160.0	160.8	159.2	158.6	156.6	156.5	155.2	154.3	153.3	151.8	151.2
165°	158.5	159.3	158.0	157.5	156.0	156.1	155.0	154.5	153.6	152.3	152.0
167.5°	157.5	158.4	157.3	157.0	155.8	156.0	155.2	155.0	154.3	153.2	153.2
170°	156.3	157.2	156.4	156.2	155.2	155.5	155.0	155.0	154.4	153.5	153.6
172.5°	154.6	155.3	154.8	154.7	154.1	154.3	154.0	154.2	153.6	152.8	153.1
175°	153.3	153.9	153.7	153.5	153.1	153.3	153.1	153.5	153.0	152.2	152.6
177.5°	153.5	154.0	154.0	153.7	153.6	153.7	153.5	154.0	153.6	152.8	153.3
180°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3



TEST NUMBER: P395003

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3
2.5°	152.8	154.4	153.2	152.6	153.2	152.7	152.5	153.7	152.1	151.5	151.2
5°	151.9	153.5	152.3	151.5	152.2	151.4	151.2	152.4	150.8	150.1	149.7
7.5°	152.3	153.8	152.5	151.6	152.3	151.2	151.0	152.0	150.5	149.7	149.4
10°	152.7	154.0	152.6	151.5	152.3	150.9	150.6	151.5	150.0	149.0	148.6
12.5°	152.1	153.1	151.6	150.3	151.1	149.3	149.0	149.6	148.1	147.0	146.6
15°	150.8	151.5	149.8	148.4	149.2	147.0	146.4	146.9	145.4	144.1	143.7
17.5°	149.7	150.2	148.2	146.6	147.2	144.7	144.1	144.3	142.7	141.2	140.6
20°	148.8	148.9	146.7	144.8	145.2	142.5	141.4	141.4	139.9	138.2	137.4
22.5°	146.8	146.4	144.2	141.9	142.0	139.0	137.7	137.4	135.6	133.7	133.0
25°	144.3	143.3	140.6	138.2	137.8	134.6	133.1	132.5	130.8	128.6	127.7
27.5°	141.5	139.9	136.9	134.1	133.4	129.8	128.1	127.2	125.4	123.0	122.2
30°	138.9	136.6	133.2	130.0	128.8	125.0	123.1	121.9	120.2	117.7	116.8
32.5°	135.4	132.4	128.4	124.8	123.3	119.3	117.3	115.8	114.1	111.7	111.1
35°	131.1	127.4	122.9	118.9	117.0	112.8	110.6	109.0	107.5	105.1	104.4
37.5°	126.4	122.0	117.0	112.7	110.3	106.0	103.8	102.1	100.7	98.5	97.7
40°	121.7	116.8	111.2	106.5	103.8	99.5	97.2	95.5	94.2	91.6	90.4
42.5°	117.0	111.5	105.4	100.4	97.5	93.2	91.0	89.2	87.1	84.2	82.5
45°	111.6	105.5	99.2	94.1	90.9	86.7	84.4	81.8	79.5	76.2	73.6
47.5°	105.8	99.3	92.8	87.6	84.3	80.1	77.1	73.9	71.1	66.8	57.8
50°	99.8	93.1	86.4	81.5	77.9	73.3	69.9	65.9	58.2	51.8	47.9
52.5°	93.6	86.8	80.2	75.4	71.4	66.5	62.4	52.9	47.7	43.7	40.3
55°	87.4	80.6	74.1	69.4	64.9	59.6	51.1	44.5	40.6	37.0	33.5
57.5°	80.9	74.2	67.9	63.1	58.1	49.5	43.7	38.2	34.6	30.5	26.5
60°	74.1	67.8	62.0	56.7	50.3	42.2	38.2	32.5	28.6	22.7	18.0
62.5°	67.2	61.3	55.5	50.4	42.9	36.6	32.5	26.8	21.0	16.8	12.4
65°	60.5	55.1	49.5	42.9	37.4	31.8	27.3	21.6	16.7	12.5	9.0
67.5°	53.5	48.5	43.8	37.3	32.4	27.5	22.9	17.7	13.5	10.6	7.9
70°	46.7	42.0	37.7	32.3	27.9	23.6	19.5	15.3	11.9	9.3	6.9
72.5°	39.2	35.5	31.7	27.3	23.6	20.1	16.7	13.2	10.2	8.0	6.0
75°	32.4	29.1	26.2	22.5	19.7	16.6	13.8	11.0	8.6	6.7	5.0
77.5°	25.5	22.9	20.8	17.9	15.5	13.3	11.1	8.8	7.0	5.5	4.1
80°	18.9	17.1	15.4	13.3	11.8	10.0	8.5	6.8	5.5	4.3	3.2
82.5°	13.0	11.7	10.6	9.3	8.3	7.2	6.3	5.1	4.1	3.3	2.5
85°	7.9	7.3	6.7	6.0	5.5	4.8	4.3	3.6	3.0	2.4	1.9
87.5°	4.4	4.2	4.1	3.9	3.5	3.2	2.9	2.6	2.3	1.9	1.6
90°	3.2	3.2	3.2	3.2	3.0	2.8	2.6	2.4	2.2	1.8	1.4
92.5°	4.4	4.2	4.1	3.9	3.5	3.2	2.9	2.6	2.3	1.9	1.6
95°	7.9	7.3	6.7	6.0	5.5	4.8	4.3	3.6	3.0	2.4	1.9
97.5°	13.0	11.7	10.6	9.3	8.3	7.2	6.3	5.1	4.1	3.3	2.5
100°	18.9	17.1	15.4	13.3	11.8	10.0	8.5	6.8	5.5	4.3	3.2
102.5°	25.5	22.9	20.8	17.9	15.5	13.3	11.1	8.8	7.0	5.5	4.1
105°	32.4	29.1	26.2	22.5	19.7	16.6	13.8	11.0	8.6	6.7	5.0
107.5°	39.2	35.5	31.7	27.3	23.6	20.1	16.7	13.2	10.2	8.0	6.0
110°	46.7	42.0	37.7	32.3	27.9	23.6	19.5	15.3	11.9	9.3	6.9



TEST NUMBER: P395003

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	53.5	48.5	43.8	37.3	32.4	27.5	22.9	17.7	13.5	10.6	7.9
115°	60.5	55.1	49.5	42.9	37.4	31.8	27.3	21.6	16.7	12.5	9.0
117.5°	67.2	61.3	55.5	50.4	42.9	36.6	32.5	26.8	21.0	16.8	12.4
120°	74.1	67.8	62.0	56.7	50.3	42.2	38.2	32.5	28.6	22.7	18.0
122.5°	80.9	74.2	67.9	63.1	58.1	49.5	43.7	38.2	34.6	30.5	26.5
125°	87.4	80.6	74.1	69.4	64.9	59.6	51.1	44.5	40.6	37.0	33.5
127.5°	93.6	86.8	80.2	75.4	71.4	66.5	62.4	52.9	47.7	43.7	40.3
130°	99.8	93.1	86.4	81.5	77.9	73.3	69.9	65.9	58.2	51.8	47.9
132.5°	105.8	99.3	92.8	87.6	84.3	80.1	77.1	73.9	71.1	66.8	57.8
135°	111.6	105.5	99.2	94.1	90.9	86.7	84.4	81.8	79.5	76.2	73.6
137.5°	117.0	111.5	105.4	100.4	97.5	93.2	91.0	89.2	87.1	84.2	82.5
140°	121.7	116.8	111.2	106.5	103.8	99.5	97.2	95.5	94.2	91.6	90.4
142.5°	126.4	122.0	117.0	112.7	110.3	106.0	103.8	102.1	100.7	98.5	97.7
145°	131.1	127.4	122.9	118.9	117.0	112.8	110.6	109.0	107.5	105.1	104.4
147.5°	135.4	132.4	128.4	124.8	123.3	119.3	117.3	115.8	114.1	111.7	111.1
150°	138.9	136.6	133.2	130.0	128.8	125.0	123.1	121.9	120.2	117.7	116.8
152.5°	141.5	139.9	136.9	134.1	133.4	129.8	128.1	127.2	125.4	123.0	122.2
155°	144.3	143.3	140.6	138.2	137.8	134.6	133.1	132.5	130.8	128.6	127.7
157.5°	146.8	146.4	144.2	141.9	142.0	139.0	137.7	137.4	135.6	133.7	133.0
160°	148.8	148.9	146.7	144.8	145.2	142.5	141.4	141.4	139.9	138.2	137.4
162.5°	149.7	150.2	148.2	146.6	147.2	144.7	144.1	144.3	142.7	141.2	140.6
165°	150.8	151.5	149.8	148.4	149.2	147.0	146.4	146.9	145.4	144.1	143.7
167.5°	152.1	153.1	151.6	150.3	151.1	149.3	149.0	149.6	148.1	147.0	146.6
170°	152.7	154.0	152.6	151.5	152.3	150.9	150.6	151.5	150.0	149.0	148.6
172.5°	152.3	153.8	152.5	151.6	152.3	151.2	151.0	152.0	150.5	149.7	149.4
175°	151.9	153.5	152.3	151.5	152.2	151.4	151.2	152.4	150.8	150.1	149.7
177.5°	152.8	154.4	153.2	152.6	153.2	152.7	152.5	153.7	152.1	151.5	151.2
180°	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3	153.3



TEST NUMBER: P395003

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	153.3	153.3	153.3	153.3	153.3
2.5°	151.9	152.6	151.1	151.9	151.2
5°	150.3	151.1	149.6	150.4	149.7
7.5°	149.9	150.6	149.1	149.9	149.2
10°	149.1	149.9	148.4	149.0	148.5
12.5°	147.0	147.9	146.2	146.9	146.5
15°	144.0	144.7	143.1	143.6	143.4
17.5°	140.6	141.5	139.8	140.1	140.2
20°	137.3	138.0	136.2	136.5	136.6
22.5°	132.5	133.2	131.3	131.5	131.3
25°	127.0	127.5	125.8	125.8	125.7
27.5°	121.4	121.9	120.1	120.0	120.0
30°	116.0	116.3	114.9	114.6	114.6
32.5°	110.0	110.2	109.0	108.5	108.4
35°	103.5	103.6	102.4	101.8	101.8
37.5°	96.7	96.1	94.6	93.9	93.9
40°	88.7	87.9	86.2	85.2	85.0
42.5°	80.2	78.9	77.1	75.9	75.6
45°	70.2	62.2	57.4	55.4	54.7
47.5°	51.5	48.6	46.3	45.0	44.5
50°	42.3	40.0	38.1	37.0	36.5
52.5°	35.2	32.8	31.2	29.6	29.0
55°	28.3	25.5	23.7	22.0	21.1
57.5°	19.0	15.1	13.0	11.3	11.3
60°	11.9	8.8	6.5	5.0	4.9
62.5°	7.0	3.8	1.5	0.4	0.2
65°	4.9	2.7	1.4	0.6	0.3
67.5°	4.4	2.5	1.3	0.6	0.3
70°	3.9	2.2	1.2	0.5	0.3
72.5°	3.4	2.0	1.1	0.5	0.4
75°	2.9	1.7	1.0	0.5	0.3
77.5°	2.4	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°	2.4	1.5	0.9	0.5	0.3
105°	2.9	1.7	1.0	0.5	0.3
107.5°	3.4	2.0	1.1	0.5	0.4
110°	3.9	2.2	1.2	0.5	0.3



TEST NUMBER: P395003

CATALOG NUMBER: 303-W2-LEDB2-3500-UNV-T4-DIM10-CS-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
112.5°	4.4	2.5	1.3	0.6	0.3
115°	4.9	2.7	1.4	0.6	0.3
117.5°	7.0	3.8	1.5	0.4	0.2
120°	11.9	8.8	6.5	5.0	4.9
122.5°	19.0	15.1	13.0	11.3	11.3
125°	28.3	25.5	23.7	22.0	21.1
127.5°	35.2	32.8	31.2	29.6	29.0
130°	42.3	40.0	38.1	37.0	36.5
132.5°	51.5	48.6	46.3	45.0	44.5
135°	70.2	62.2	57.4	55.4	54.7
137.5°	80.2	78.9	77.1	75.9	75.6
140°	88.7	87.9	86.2	85.2	85.0
142.5°	96.7	96.1	94.6	93.9	93.9
145°	103.5	103.6	102.4	101.8	101.8
147.5°	110.0	110.2	109.0	108.5	108.4
150°	116.0	116.3	114.9	114.6	114.6
152.5°	121.4	121.9	120.1	120.0	120.0
155°	127.0	127.5	125.8	125.8	125.7
157.5°	132.5	133.2	131.3	131.5	131.3
160°	137.3	138.0	136.2	136.5	136.6
162.5°	140.6	141.5	139.8	140.1	140.2
165°	144.0	144.7	143.1	143.6	143.4
167.5°	147.0	147.9	146.2	146.9	146.5
170°	149.1	149.9	148.4	149.0	148.5
172.5°	149.9	150.6	149.1	149.9	149.2
175°	150.3	151.1	149.6	150.4	149.7
177.5°	151.9	152.6	151.1	151.9	151.2
180°	153.3	153.3	153.3	153.3	153.3

(END OF REPORT)