

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: P394986

Luminaire Tested: **303-W2-LEDB2-2700-UNV-T2-DIM10-CS**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394986  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W2-LEDB2-2700-UNV-T2-DIM10-CS  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1039.4 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 1.77 / 1.7  
Luminous Opening: Rectangular (W 0.38' x L: 0.21' x H: 0')  
CIE Type: General Diffuse

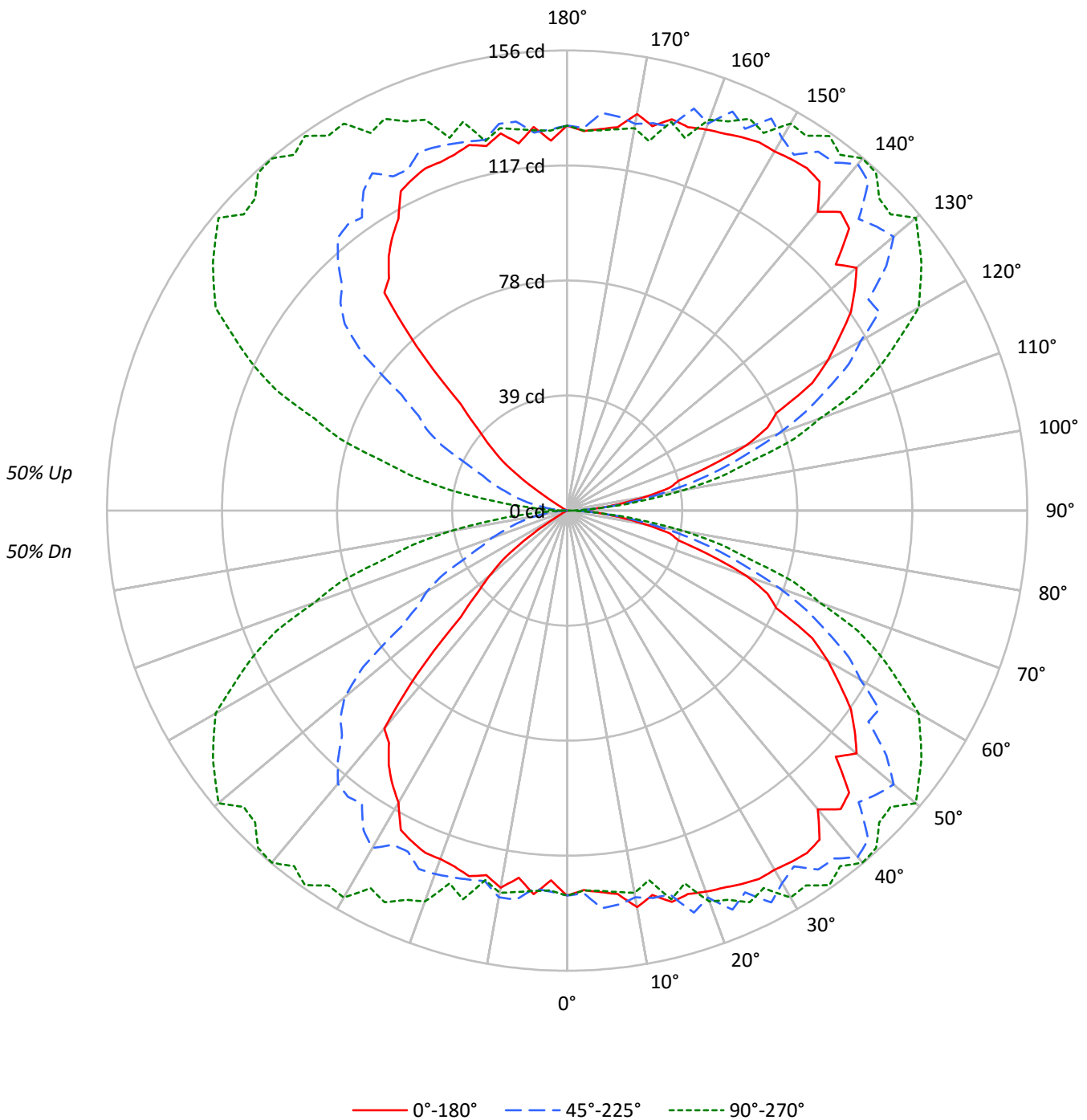
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	67	60	58	57	49	48	46	41
2	88	80	74	68	81	74	69	64	63	59	55	52	49	46	42	40	38	34
3	80	70	62	56	73	65	58	53	55	50	45	46	42	39	37	34	32	28
4	73	62	53	47	67	57	50	44	48	43	38	40	36	32	33	29	27	23
5	67	55	46	40	61	51	43	37	43	37	32	36	31	28	29	26	23	20
6	61	49	40	34	56	45	38	32	38	32	28	32	27	24	26	23	20	17
7	56	44	35	30	52	41	33	28	35	29	24	29	24	21	24	20	17	15
8	52	39	32	26	48	37	29	24	31	26	21	26	22	18	22	18	15	13
9	48	36	28	23	45	33	26	22	29	23	19	24	20	16	20	16	14	12
10	45	33	25	20	42	31	24	19	26	21	17	22	18	15	18	15	12	10

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	17980	17980	17980
5°	17952	17897	18049
10°	19097	18411	18160
15°	19584	19456	18301
20°	20160	20674	18430
25°	21237	22271	18851
30°	22368	24103	18184
35°	23833	26070	17728
40°	23777	28022	17338
45°	26343	29149	9957
50°	27458	33073	7352
55°	28201	35215	4372
60°	28134	37917	661
65°	25494	38404	33
70°	26064	36698	40
75°	20814	34282	0
80°	21423	31975	79
85°	18021	21657	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	1.2
10°-20°	38.0	3.7
20°-30°	63.7	6.1
30°-40°	86.8	8.4
40°-50°	97.6	9.4
50°-60°	93.3	9.0
60°-70°	73.3	7.1
70°-80°	43.0	4.1
80°-90°	11.4	1.1
90°-100°	11.4	1.1
100°-110°	43.0	4.1
110°-120°	73.3	7.1
120°-130°	93.3	9.0
130°-140°	97.6	9.4
140°-150°	86.8	8.4
150°-160°	63.7	6.1
160°-170°	38.0	3.7
170°-180°	12.5	1.2
0°-30°	114.2	11.0
0°-40°	201.1	19.3
0°-60°	392.0	37.7
0°-90°	519.7	50.0
90°-120°	127.7	12.3
90°-150°	405.4	39.0
90°-180°	520.0	50.0
0°-180°	1039.4	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	130	130	130	130	130	
5°	130	135	129	129	130	13
15°	137	135	136	130	128	39
25°	140	143	146	128	124	65
35°	142	148	155	121	105	88
45°	135	140	150	108	51	102
55°	117	125	147	69	18	104
65°	78	97	118	38	0	81
75°	39	53	64	18	0	45
85°	11	12	14	4	0	13
90°	6	3	0	0	0	3
95°	11	12	14	4	0	13
105°	39	53	64	18	0	45
115°	78	97	118	38	0	81
125°	117	125	147	69	18	104
135°	135	140	150	108	51	102
145°	142	148	155	121	105	88
155°	140	143	146	128	124	65
165°	137	135	136	130	128	39
175°	130	135	129	129	130	13
180°	130	130	130	130	130	



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CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T2-DIM10-CS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	128.8	136.1	134.3	131.3	128.6	129.8	130.8	134.5	129.3	130.7	128.9
5°	129.8	129.3	132.5	127.3	129.7	135.3	122.9	128.8	130.0	131.2	129.4
7.5°	131.1	132.4	133.3	137.1	129.2	134.7	133.4	134.1	138.6	132.3	130.4
10°	136.5	140.1	135.3	125.7	130.5	133.1	135.3	134.3	135.2	133.6	131.6
12.5°	133.5	134.8	136.7	138.2	134.3	134.5	133.0	134.8	146.5	134.9	128.3
15°	137.3	147.4	138.2	136.2	136.1	134.7	139.1	137.7	137.9	137.1	136.4
17.5°	136.3	139.9	139.8	137.6	133.9	142.9	141.4	139.4	149.8	139.4	132.5
20°	137.5	141.5	141.3	139.1	139.8	139.6	134.8	141.5	142.4	137.3	141.0
22.5°	138.4	146.3	141.2	130.6	141.3	146.4	145.3	145.3	144.5	144.1	142.8
25°	139.7	143.1	141.6	136.4	133.6	142.8	143.7	150.0	147.4	147.1	146.5
27.5°	140.8	143.3	143.6	141.6	144.8	149.8	150.0	147.6	150.1	149.5	144.3
30°	140.6	143.7	144.3	143.2	135.7	145.8	149.0	150.5	151.1	151.6	151.5
32.5°	141.3	149.1	146.1	139.3	142.3	143.0	150.9	155.5	156.6	153.7	150.7
35°	141.7	143.7	144.9	139.5	148.5	148.5	152.9	153.1	157.0	154.7	155.0
37.5°	140.6	142.8	140.7	144.3	143.0	148.7	156.0	153.2	155.2	157.6	152.0
40°	132.2	144.4	139.1	139.3	142.5	153.3	155.8	158.4	157.8	154.2	155.8
42.5°	137.3	141.5	140.5	140.7	140.9	151.1	152.9	157.4	154.4	158.1	155.1
45°	135.2	139.0	138.2	138.8	144.1	139.8	153.3	151.1	154.4	154.4	149.6
47.5°	123.5	139.4	135.6	136.7	141.6	142.4	151.6	150.5	157.8	154.6	148.7
50°	128.1	134.8	126.7	133.0	139.0	144.5	148.9	152.4	152.1	148.8	154.3
52.5°	122.9	122.9	126.2	123.6	131.4	136.4	145.2	144.1	150.7	155.0	150.3
55°	117.4	116.1	120.0	108.8	125.7	124.7	140.5	150.9	151.9	138.8	146.6
57.5°	109.5	112.5	114.7	115.0	116.8	125.4	134.0	140.5	143.1	141.8	142.0
60°	102.1	100.9	106.6	103.5	111.5	114.9	131.1	130.1	136.8	136.4	137.6
62.5°	93.7	92.2	95.2	98.9	104.3	107.7	121.8	122.1	128.9	132.3	127.2
65°	78.2	83.4	86.3	88.5	94.6	97.1	108.3	110.0	116.2	118.1	117.8
67.5°	73.5	72.8	76.2	76.9	82.7	87.4	102.2	100.2	105.3	111.1	106.8
70°	64.7	63.3	66.1	67.2	72.8	76.3	83.8	87.5	92.5	95.1	91.1
72.5°	51.6	53.1	57.7	58.2	61.1	64.1	75.7	74.8	82.7	84.1	80.7
75°	39.1	43.6	46.4	46.7	50.0	53.3	61.8	63.6	70.3	67.2	64.4
77.5°	35.6	34.5	36.8	38.0	40.1	42.7	46.9	48.8	56.0	53.2	53.3
80°	27.0	25.8	27.6	27.6	30.0	31.5	34.2	36.3	39.7	39.0	40.3
82.5°	18.8	18.6	19.3	19.6	20.7	21.9	23.5	24.8	26.2	26.5	25.8
85°	11.4	11.5	12.5	12.4	12.2	12.4	13.1	13.8	14.0	14.1	13.7
87.5°	7.1	7.2	7.1	6.7	6.3	5.7	5.5	5.4	5.7	5.0	4.8
90°	5.5	5.2	5.2	4.6	4.1	3.2	2.5	1.6	1.4	0.5	0.5
92.5°	7.1	7.2	7.1	6.7	6.3	5.7	5.5	5.4	5.7	5.0	4.8
95°	11.4	11.5	12.5	12.4	12.2	12.4	13.1	13.8	14.0	14.1	13.7
97.5°	18.8	18.6	19.3	19.6	20.7	21.9	23.5	24.8	26.2	26.5	25.8
100°	27.0	25.8	27.6	27.6	30.0	31.5	34.2	36.3	39.7	39.0	40.3
102.5°	35.6	34.5	36.8	38.0	40.1	42.7	46.9	48.8	56.0	53.2	53.3
105°	39.1	43.6	46.4	46.7	50.0	53.3	61.8	63.6	70.3	67.2	64.4
107.5°	51.6	53.1	57.7	58.2	61.1	64.1	75.7	74.8	82.7	84.1	80.7
110°	64.7	63.3	66.1	67.2	72.8	76.3	83.8	87.5	92.5	95.1	91.1



TEST NUMBER: P394986

CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T2-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	73.5	72.8	76.2	76.9	82.7	87.4	102.2	100.2	105.3	111.1	106.8
115°	78.2	83.4	86.3	88.5	94.6	97.1	108.3	110.0	116.2	118.1	117.8
117.5°	93.7	92.2	95.2	98.9	104.3	107.7	121.8	122.1	128.9	132.3	127.2
120°	102.1	100.9	106.6	103.5	111.5	114.9	131.1	130.1	136.8	136.4	137.6
122.5°	109.5	112.5	114.7	115.0	116.8	125.4	134.0	140.5	143.1	141.8	142.0
125°	117.4	116.1	120.0	108.8	125.7	124.7	140.5	150.9	151.9	138.8	146.6
127.5°	122.9	122.9	126.2	123.6	131.4	136.4	145.2	144.1	150.7	155.0	150.3
130°	128.1	134.8	126.7	133.0	139.0	144.5	148.9	152.4	152.1	148.8	154.3
132.5°	123.5	139.4	135.6	136.7	141.6	142.4	151.6	150.5	157.8	154.6	148.7
135°	135.2	139.0	138.2	138.8	144.1	139.8	153.3	151.1	154.4	154.4	149.6
137.5°	137.3	141.5	140.5	140.7	140.9	151.1	152.9	157.4	154.4	158.1	155.1
140°	132.2	144.4	139.1	139.3	142.5	153.3	155.8	158.4	157.8	154.2	155.8
142.5°	140.6	142.8	140.7	144.3	143.0	148.7	156.0	153.2	155.2	157.6	152.0
145°	141.7	143.7	144.9	139.5	148.5	148.5	152.9	153.1	157.0	154.7	155.0
147.5°	141.3	149.1	146.1	139.3	142.3	143.0	150.9	155.5	156.6	153.7	150.7
150°	140.6	143.7	144.3	143.2	135.7	145.8	149.0	150.5	151.1	151.6	151.5
152.5°	140.8	143.3	143.6	141.6	144.8	149.8	150.0	147.6	150.1	149.5	144.3
155°	139.7	143.1	141.6	136.4	133.6	142.8	143.7	150.0	147.4	147.1	146.5
157.5°	138.4	146.3	141.2	130.6	141.3	146.4	145.3	145.3	144.5	144.1	142.8
160°	137.5	141.5	141.3	139.1	139.8	139.6	134.8	141.5	142.4	137.3	141.0
162.5°	136.3	139.9	139.8	137.6	133.9	142.9	141.4	139.4	149.8	139.4	132.5
165°	137.3	147.4	138.2	136.2	136.1	134.7	139.1	137.7	137.9	137.1	136.4
167.5°	133.5	134.8	136.7	138.2	134.3	134.5	133.0	134.8	146.5	134.9	128.3
170°	136.5	140.1	135.3	125.7	130.5	133.1	135.3	134.3	135.2	133.6	131.6
172.5°	131.1	132.4	133.3	137.1	129.2	134.7	133.4	134.1	138.6	132.3	130.4
175°	129.8	129.3	132.5	127.3	129.7	135.3	122.9	128.8	130.0	131.2	129.4
177.5°	128.8	136.1	134.3	131.3	128.6	129.8	130.8	134.5	129.3	130.7	128.9
180°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5



TEST NUMBER: P394986

CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T2-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2.5°	132.2	130.6	128.1	130.5	129.3	123.9	127.6	135.1	130.0	125.5
5°	132.4	130.5	127.9	129.6	128.6	128.3	129.2	130.4	128.8	130.5
7.5°	133.4	130.0	128.0	129.9	133.0	130.5	126.3	133.1	127.2	125.5
10°	134.7	131.0	128.7	126.2	133.1	125.7	126.2	128.0	126.7	129.8
12.5°	132.5	132.6	129.5	130.8	128.7	123.4	121.9	127.2	126.6	126.6
15°	138.7	134.3	134.1	132.2	129.5	130.6	125.6	126.6	126.1	128.3
17.5°	140.7	136.8	134.4	133.7	130.3	126.3	125.3	125.7	125.5	126.6
20°	146.2	138.0	136.3	135.1	131.1	131.2	124.9	124.5	121.2	125.7
22.5°	142.8	142.1	136.4	136.5	131.5	127.5	124.1	122.9	119.2	125.6
25°	148.7	141.0	139.3	138.0	127.6	127.1	123.0	121.4	120.7	124.0
27.5°	149.1	142.7	141.0	134.4	127.7	124.5	119.5	118.3	113.2	122.1
30°	162.8	149.1	135.7	139.8	132.1	128.0	119.5	116.7	110.0	114.3
32.5°	154.7	146.0	138.7	140.2	128.5	125.5	116.5	115.0	106.0	110.2
35°	160.9	150.0	144.0	138.6	121.3	122.2	112.6	107.1	107.7	105.4
37.5°	162.3	152.0	143.8	134.3	122.2	118.1	105.1	101.7	99.9	99.2
40°	155.0	150.3	139.4	136.6	120.9	112.8	97.0	94.6	87.7	96.4
42.5°	155.9	149.3	139.2	129.8	115.0	106.5	94.2	83.3	76.8	75.6
45°	152.5	147.6	133.1	124.7	107.9	99.0	77.3	56.8	50.1	51.1
47.5°	150.8	135.7	133.5	119.5	104.2	88.1	60.2	48.6	42.6	41.0
50°	148.7	142.3	121.0	114.7	98.4	67.8	46.9	38.1	33.6	34.3
52.5°	149.2	139.8	124.6	108.6	87.2	56.5	44.4	31.7	28.5	27.5
55°	141.5	130.8	119.2	101.4	68.6	49.4	37.7	24.9	19.9	18.2
57.5°	136.5	127.0	112.4	92.4	59.6	42.5	28.3	10.5	7.4	7.2
60°	133.5	122.5	104.8	82.1	55.0	35.8	17.3	5.9	3.1	2.4
62.5°	125.7	111.6	92.5	68.8	47.8	24.1	13.3	2.8	0.2	0.2
65°	111.3	101.5	80.5	58.7	37.6	19.5	9.7	1.7	0.1	0.1
67.5°	101.2	85.4	74.2	52.3	31.0	16.2	8.9	1.6	0.0	0.0
70°	88.8	82.9	64.4	44.6	27.1	13.5	7.3	1.3	0.1	0.1
72.5°	76.2	68.5	56.8	38.4	22.2	11.4	6.0	1.3	0.2	0.2
75°	62.1	58.0	44.9	30.0	18.5	9.5	4.8	1.1	0.1	0.0
77.5°	47.8	45.2	36.4	24.7	14.8	7.6	3.9	0.8	0.0	0.0
80°	37.9	33.5	25.8	16.9	10.7	5.5	2.7	0.5	0.1	0.1
82.5°	24.9	21.3	17.4	12.0	7.3	3.5	1.9	0.3	0.0	0.1
85°	13.1	11.4	9.7	6.3	4.1	2.1	1.1	0.3	0.0	0.0
87.5°	4.8	4.0	3.4	2.3	1.5	0.8	0.4	0.1	0.0	0.0
90°	0.5	0.7	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	4.0	3.4	2.3	1.5	0.8	0.4	0.1	0.0	0.0
95°	13.1	11.4	9.7	6.3	4.1	2.1	1.1	0.3	0.0	0.0
97.5°	24.9	21.3	17.4	12.0	7.3	3.5	1.9	0.3	0.0	0.1
100°	37.9	33.5	25.8	16.9	10.7	5.5	2.7	0.5	0.1	0.1
102.5°	47.8	45.2	36.4	24.7	14.8	7.6	3.9	0.8	0.0	0.0
105°	62.1	58.0	44.9	30.0	18.5	9.5	4.8	1.1	0.1	0.0
107.5°	76.2	68.5	56.8	38.4	22.2	11.4	6.0	1.3	0.2	0.2
110°	88.8	82.9	64.4	44.6	27.1	13.5	7.3	1.3	0.1	0.1





TEST NUMBER: P394986

CATALOG NUMBER: 303-W2-LEDB2-2700-UNV-T2-DIM10-CS

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	101.2	85.4	74.2	52.3	31.0	16.2	8.9	1.6	0.0	0.0
115°	111.3	101.5	80.5	58.7	37.6	19.5	9.7	1.7	0.1	0.1
117.5°	125.7	111.6	92.5	68.8	47.8	24.1	13.3	2.8	0.2	0.2
120°	133.5	122.5	104.8	82.1	55.0	35.8	17.3	5.9	3.1	2.4
122.5°	136.5	127.0	112.4	92.4	59.6	42.5	28.3	10.5	7.4	7.2
125°	141.5	130.8	119.2	101.4	68.6	49.4	37.7	24.9	19.9	18.2
127.5°	149.2	139.8	124.6	108.6	87.2	56.5	44.4	31.7	28.5	27.5
130°	148.7	142.3	121.0	114.7	98.4	67.8	46.9	38.1	33.6	34.3
132.5°	150.8	135.7	133.5	119.5	104.2	88.1	60.2	48.6	42.6	41.0
135°	152.5	147.6	133.1	124.7	107.9	99.0	77.3	56.8	50.1	51.1
137.5°	155.9	149.3	139.2	129.8	115.0	106.5	94.2	83.3	76.8	75.6
140°	155.0	150.3	139.4	136.6	120.9	112.8	97.0	94.6	87.7	96.4
142.5°	162.3	152.0	143.8	134.3	122.2	118.1	105.1	101.7	99.9	99.2
145°	160.9	150.0	144.0	138.6	121.3	122.2	112.6	107.1	107.7	105.4
147.5°	154.7	146.0	138.7	140.2	128.5	125.5	116.5	115.0	106.0	110.2
150°	162.8	149.1	135.7	139.8	132.1	128.0	119.5	116.7	110.0	114.3
152.5°	149.1	142.7	141.0	134.4	127.7	124.5	119.5	118.3	113.2	122.1
155°	148.7	141.0	139.3	138.0	127.6	127.1	123.0	121.4	120.7	124.0
157.5°	142.8	142.1	136.4	136.5	131.5	127.5	124.1	122.9	119.2	125.6
160°	146.2	138.0	136.3	135.1	131.1	131.2	124.9	124.5	121.2	125.7
162.5°	140.7	136.8	134.4	133.7	130.3	126.3	125.3	125.7	125.5	126.6
165°	138.7	134.3	134.1	132.2	129.5	130.6	125.6	126.6	126.1	128.3
167.5°	132.5	132.6	129.5	130.8	128.7	123.4	121.9	127.2	126.6	126.6
170°	134.7	131.0	128.7	126.2	133.1	125.7	126.2	128.0	126.7	129.8
172.5°	133.4	130.0	128.0	129.9	133.0	130.5	126.3	133.1	127.2	125.5
175°	132.4	130.5	127.9	129.6	128.6	128.3	129.2	130.4	128.8	130.5
177.5°	132.2	130.6	128.1	130.5	129.3	123.9	127.6	135.1	130.0	125.5
180°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5

(END OF REPORT)