

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: P394989

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394989  
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-LEDB2-4000-UNV-T2-DIM10-CS  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 2  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1136.9 lumens  
Efficiency: N/A  
Efficacy: 73.4 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

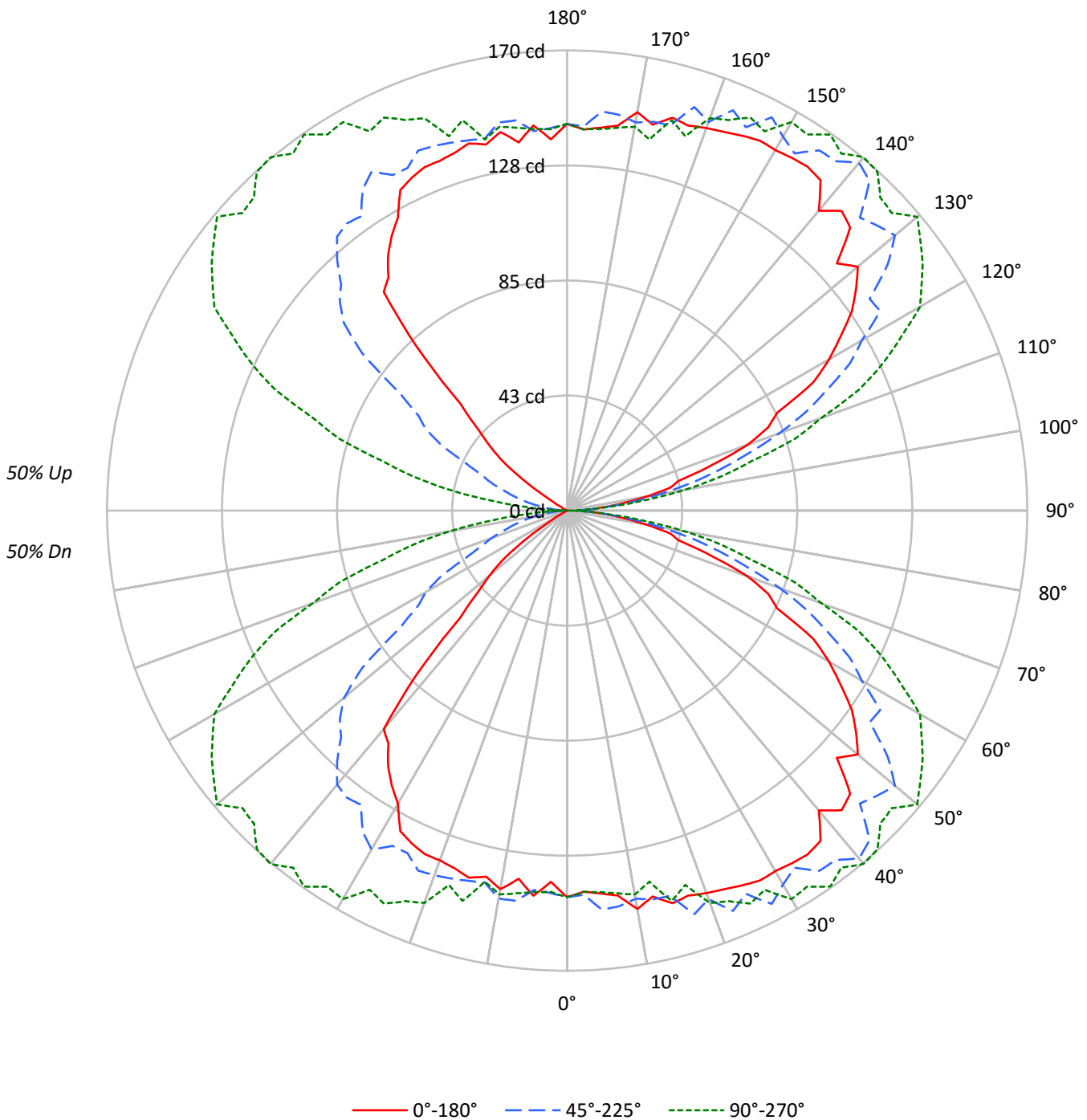
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	19675	19675	19675
5°	19639	19570	19750
10°	20902	20146	19866
15°	21424	21296	20026
20°	22052	22609	20160
25°	23229	24354	20629
30°	24468	26362	19887
35°	26070	28509	19393
40°	26007	30648	18957
45°	28818	31877	10873
50°	30051	36181	8059
55°	30843	38506	4804
60°	30780	41471	716
65°	27907	41990	33
70°	28521	40163	40
75°	22731	37476	0
80°	23406	34990	79
85°	19760	23712	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.7	1.2
10°-20°	41.6	3.7
20°-30°	69.7	6.1
30°-40°	95.0	8.4
40°-50°	106.8	9.4
50°-60°	102.0	9.0
60°-70°	80.2	7.1
70°-80°	47.0	4.1
80°-90°	12.5	1.1
90°-100°	12.5	1.1
100°-110°	47.0	4.1
110°-120°	80.2	7.1
120°-130°	102.0	9.0
130°-140°	106.8	9.4
140°-150°	95.0	8.4
150°-160°	69.7	6.1
160°-170°	41.6	3.7
170°-180°	13.7	1.2
0°-30°	125.0	11.0
0°-40°	220.0	19.3
0°-60°	428.8	37.7
0°-90°	568.5	50.0
90°-120°	139.7	12.3
90°-150°	443.5	39.0
90°-180°	568.0	50.0
0°-180°	1136.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	143	143	143	143	143	
5°	142	148	142	141	143	14
15°	150	147	149	142	140	42
25°	153	156	160	140	136	71
35°	155	162	170	133	115	96
45°	148	153	164	118	56	111
55°	128	136	160	75	20	114
65°	86	106	129	41	0	89
75°	43	58	70	20	0	50
85°	12	14	15	4	0	14
90°	6	4	1	0	0	4
95°	12	14	15	4	0	14
105°	43	58	70	20	0	50
115°	86	106	129	41	0	89
125°	128	136	160	75	20	114
135°	148	153	164	118	56	111
145°	155	162	170	133	115	96
155°	153	156	160	140	136	71
165°	150	147	149	142	140	42
175°	142	148	142	141	143	14
180°	143	143	143	143	143	



TEST NUMBER: P394989

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	140.9	148.9	146.9	143.6	140.7	142.0	143.1	147.1	141.4	143.0	141.0
5°	142.0	141.4	145.0	139.3	141.9	148.0	134.5	140.8	142.2	143.5	141.5
7.5°	143.4	144.9	145.8	149.9	141.3	147.4	145.9	146.7	151.6	144.8	142.6
10°	149.4	153.3	148.0	137.5	142.7	145.6	148.0	146.9	147.9	146.1	144.0
12.5°	146.0	147.5	149.6	151.2	146.9	147.1	145.4	147.5	160.2	147.6	140.4
15°	150.2	161.3	151.2	149.0	148.9	147.3	152.2	150.6	150.8	149.9	149.3
17.5°	149.1	153.1	152.9	150.5	146.5	156.3	154.6	152.5	163.8	152.5	145.0
20°	150.4	154.7	154.5	152.2	153.0	152.7	147.5	154.8	155.7	150.2	154.2
22.5°	151.4	160.0	154.4	142.9	154.5	160.1	158.9	158.9	158.1	157.7	156.2
25°	152.8	156.5	154.9	149.3	146.1	156.2	157.2	164.1	161.2	160.9	160.2
27.5°	154.1	156.8	157.1	154.9	158.4	163.8	164.1	161.5	164.2	163.5	157.9
30°	153.8	157.2	157.9	156.6	148.5	159.5	163.0	164.6	165.3	165.8	165.7
32.5°	154.5	163.1	159.8	152.4	155.6	156.4	165.1	170.1	171.3	168.1	164.8
35°	155.0	157.2	158.6	152.6	162.5	162.5	167.3	167.5	171.8	169.2	169.5
37.5°	153.8	156.2	153.9	157.9	156.4	162.7	170.7	167.5	169.8	172.3	166.3
40°	144.6	158.0	152.2	152.4	155.9	167.7	170.4	173.2	172.6	168.6	170.4
42.5°	150.1	154.7	153.7	153.9	154.1	165.3	167.3	172.1	168.9	172.9	169.7
45°	147.9	152.1	151.2	151.8	157.7	153.0	167.7	165.3	168.9	168.9	163.6
47.5°	135.1	152.5	148.3	149.6	154.9	155.7	165.8	164.6	172.6	169.1	162.7
50°	140.2	147.5	138.6	145.4	152.0	158.1	162.9	166.7	166.4	162.8	168.8
52.5°	134.5	134.4	138.0	135.2	143.8	149.3	158.8	157.7	164.8	169.6	164.4
55°	128.4	127.0	131.3	119.0	137.5	136.4	153.7	165.1	166.2	151.8	160.3
57.5°	119.8	123.0	125.5	125.8	127.7	137.1	146.6	153.7	156.5	155.1	155.3
60°	111.7	110.3	116.6	113.3	122.0	125.7	143.4	142.3	149.6	149.2	150.5
62.5°	102.5	100.8	104.2	108.2	114.1	117.8	133.2	133.5	141.0	144.8	139.2
65°	85.6	91.3	94.4	96.8	103.5	106.2	118.4	120.3	127.1	129.2	128.8
67.5°	80.4	79.6	83.3	84.1	90.5	95.7	111.8	109.6	115.2	121.5	116.8
70°	70.8	69.2	72.3	73.5	79.6	83.4	91.6	95.8	101.2	104.1	99.7
72.5°	56.4	58.1	63.1	63.7	66.8	70.1	82.8	81.8	90.5	92.0	88.3
75°	42.7	47.7	50.8	51.1	54.7	58.3	67.6	69.5	76.9	73.5	70.4
77.5°	38.9	37.8	40.3	41.6	43.9	46.7	51.4	53.4	61.2	58.2	58.3
80°	29.5	28.3	30.2	30.2	32.9	34.4	37.4	39.7	43.4	42.6	44.1
82.5°	20.5	20.3	21.1	21.4	22.7	24.0	25.7	27.1	28.7	29.0	28.3
85°	12.5	12.6	13.7	13.6	13.3	13.6	14.3	15.1	15.4	15.5	15.0
87.5°	7.7	7.8	7.7	7.3	6.9	6.3	6.0	5.9	6.3	5.5	5.3
90°	6.1	5.7	5.7	5.1	4.5	3.5	2.7	1.8	1.6	0.6	0.6
92.5°	7.7	7.8	7.7	7.3	6.9	6.3	6.0	5.9	6.3	5.5	5.3
95°	12.5	12.6	13.7	13.6	13.3	13.6	14.3	15.1	15.4	15.5	15.0
97.5°	20.5	20.3	21.1	21.4	22.7	24.0	25.7	27.1	28.7	29.0	28.3
100°	29.5	28.3	30.2	30.2	32.9	34.4	37.4	39.7	43.4	42.6	44.1
102.5°	38.9	37.8	40.3	41.6	43.9	46.7	51.4	53.4	61.2	58.2	58.3
105°	42.7	47.7	50.8	51.1	54.7	58.3	67.6	69.5	76.9	73.5	70.4
107.5°	56.4	58.1	63.1	63.7	66.8	70.1	82.8	81.8	90.5	92.0	88.3
110°	70.8	69.2	72.3	73.5	79.6	83.4	91.6	95.8	101.2	104.1	99.7



TEST NUMBER: P394989

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	80.4	79.6	83.3	84.1	90.5	95.7	111.8	109.6	115.2	121.5	116.8
115°	85.6	91.3	94.4	96.8	103.5	106.2	118.4	120.3	127.1	129.2	128.8
117.5°	102.5	100.8	104.2	108.2	114.1	117.8	133.2	133.5	141.0	144.8	139.2
120°	111.7	110.3	116.6	113.3	122.0	125.7	143.4	142.3	149.6	149.2	150.5
122.5°	119.8	123.0	125.5	125.8	127.7	137.1	146.6	153.7	156.5	155.1	155.3
125°	128.4	127.0	131.3	119.0	137.5	136.4	153.7	165.1	166.2	151.8	160.3
127.5°	134.5	134.4	138.0	135.2	143.8	149.3	158.8	157.7	164.8	169.6	164.4
130°	140.2	147.5	138.6	145.4	152.0	158.1	162.9	166.7	166.4	162.8	168.8
132.5°	135.1	152.5	148.3	149.6	154.9	155.7	165.8	164.6	172.6	169.1	162.7
135°	147.9	152.1	151.2	151.8	157.7	153.0	167.7	165.3	168.9	168.9	163.6
137.5°	150.1	154.7	153.7	153.9	154.1	165.3	167.3	172.1	168.9	172.9	169.7
140°	144.6	158.0	152.2	152.4	155.9	167.7	170.4	173.2	172.6	168.6	170.4
142.5°	153.8	156.2	153.9	157.9	156.4	162.7	170.7	167.5	169.8	172.3	166.3
145°	155.0	157.2	158.6	152.6	162.5	162.5	167.3	167.5	171.8	169.2	169.5
147.5°	154.5	163.1	159.8	152.4	155.6	156.4	165.1	170.1	171.3	168.1	164.8
150°	153.8	157.2	157.9	156.6	148.5	159.5	163.0	164.6	165.3	165.8	165.7
152.5°	154.1	156.8	157.1	154.9	158.4	163.8	164.1	161.5	164.2	163.5	157.9
155°	152.8	156.5	154.9	149.3	146.1	156.2	157.2	164.1	161.2	160.9	160.2
157.5°	151.4	160.0	154.4	142.9	154.5	160.1	158.9	158.9	158.1	157.7	156.2
160°	150.4	154.7	154.5	152.2	153.0	152.7	147.5	154.8	155.7	150.2	154.2
162.5°	149.1	153.1	152.9	150.5	146.5	156.3	154.6	152.5	163.8	152.5	145.0
165°	150.2	161.3	151.2	149.0	148.9	147.3	152.2	150.6	150.8	149.9	149.3
167.5°	146.0	147.5	149.6	151.2	146.9	147.1	145.4	147.5	160.2	147.6	140.4
170°	149.4	153.3	148.0	137.5	142.7	145.6	148.0	146.9	147.9	146.1	144.0
172.5°	143.4	144.9	145.8	149.9	141.3	147.4	145.9	146.7	151.6	144.8	142.6
175°	142.0	141.4	145.0	139.3	141.9	148.0	134.5	140.8	142.2	143.5	141.5
177.5°	140.9	148.9	146.9	143.6	140.7	142.0	143.1	147.1	141.4	143.0	141.0
180°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8



TEST NUMBER: P394989

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8
2.5°	144.7	142.9	140.2	142.8	141.4	135.6	139.6	147.8	142.2	137.3
5°	144.9	142.7	139.9	141.7	140.7	140.4	141.3	142.6	140.9	142.8
7.5°	145.9	142.2	140.1	142.1	145.4	142.7	138.2	145.5	139.2	137.2
10°	147.4	143.3	140.7	138.0	145.5	137.5	138.0	140.0	138.6	142.0
12.5°	145.0	145.1	141.6	143.1	140.7	135.0	133.3	139.2	138.5	138.5
15°	151.7	146.9	146.7	144.6	141.6	142.9	137.4	138.5	137.9	140.4
17.5°	153.9	149.6	147.0	146.2	142.5	138.1	137.0	137.5	137.2	138.5
20°	159.9	150.9	149.1	147.8	143.4	143.5	136.6	136.2	132.6	137.5
22.5°	156.2	155.4	149.3	149.4	143.9	139.5	135.8	134.4	130.4	137.4
25°	162.7	154.2	152.4	150.9	139.6	139.1	134.6	132.8	132.0	135.7
27.5°	163.0	156.1	154.2	147.0	139.7	136.2	130.7	129.4	123.8	133.5
30°	178.1	163.1	148.5	152.9	144.5	140.1	130.7	127.6	120.3	125.0
32.5°	169.2	159.7	151.7	153.4	140.6	137.2	127.4	125.8	116.0	120.5
35°	176.0	164.1	157.6	151.6	132.7	133.7	123.1	117.2	117.8	115.3
37.5°	177.5	166.3	157.3	146.9	133.7	129.2	114.9	111.2	109.3	108.5
40°	169.6	164.4	152.5	149.5	132.2	123.4	106.1	103.5	96.0	105.4
42.5°	170.6	163.3	152.3	142.0	125.8	116.5	103.1	91.2	84.0	82.7
45°	166.8	161.5	145.5	136.4	118.1	108.3	84.6	62.1	54.8	55.8
47.5°	164.9	148.5	146.0	130.7	113.9	96.3	65.8	53.1	46.6	44.8
50°	162.7	155.6	132.3	125.5	107.6	74.1	51.3	41.7	36.8	37.6
52.5°	163.2	153.0	136.3	118.7	95.4	61.8	48.5	34.7	31.2	30.1
55°	154.8	143.1	130.4	110.9	75.0	54.0	41.3	27.2	21.8	20.0
57.5°	149.4	138.9	122.9	101.0	65.1	46.5	31.0	11.4	8.1	7.8
60°	146.0	134.0	114.6	89.8	60.2	39.1	19.0	6.5	3.4	2.6
62.5°	137.5	122.1	101.2	75.2	52.3	26.3	14.6	3.0	0.2	0.2
65°	121.8	111.0	88.0	64.3	41.1	21.3	10.7	1.9	0.1	0.1
67.5°	110.7	93.4	81.2	57.2	33.9	17.7	9.7	1.8	0.0	0.0
70°	97.1	90.7	70.4	48.8	29.6	14.8	8.0	1.5	0.1	0.1
72.5°	83.3	74.9	62.1	42.0	24.3	12.5	6.6	1.5	0.2	0.2
75°	68.0	63.5	49.1	32.8	20.2	10.4	5.3	1.2	0.1	0.0
77.5°	52.3	49.4	39.8	27.0	16.1	8.3	4.3	0.9	0.0	0.0
80°	41.5	36.7	28.2	18.5	11.7	6.0	2.9	0.6	0.1	0.1
82.5°	27.2	23.3	19.1	13.1	8.0	3.8	2.1	0.3	0.0	0.1
85°	14.3	12.5	10.6	6.9	4.5	2.2	1.2	0.3	0.0	0.0
87.5°	5.3	4.4	3.7	2.5	1.7	0.9	0.4	0.1	0.0	0.0
90°	0.6	0.8	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0
92.5°	5.3	4.4	3.7	2.5	1.7	0.9	0.4	0.1	0.0	0.0
95°	14.3	12.5	10.6	6.9	4.5	2.2	1.2	0.3	0.0	0.0
97.5°	27.2	23.3	19.1	13.1	8.0	3.8	2.1	0.3	0.0	0.1
100°	41.5	36.7	28.2	18.5	11.7	6.0	2.9	0.6	0.1	0.1
102.5°	52.3	49.4	39.8	27.0	16.1	8.3	4.3	0.9	0.0	0.0
105°	68.0	63.5	49.1	32.8	20.2	10.4	5.3	1.2	0.1	0.0
107.5°	83.3	74.9	62.1	42.0	24.3	12.5	6.6	1.5	0.2	0.2
110°	97.1	90.7	70.4	48.8	29.6	14.8	8.0	1.5	0.1	0.1





TEST NUMBER: P394989

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

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	110.7	93.4	81.2	57.2	33.9	17.7	9.7	1.8	0.0	0.0
115°	121.8	111.0	88.0	64.3	41.1	21.3	10.7	1.9	0.1	0.1
117.5°	137.5	122.1	101.2	75.2	52.3	26.3	14.6	3.0	0.2	0.2
120°	146.0	134.0	114.6	89.8	60.2	39.1	19.0	6.5	3.4	2.6
122.5°	149.4	138.9	122.9	101.0	65.1	46.5	31.0	11.4	8.1	7.8
125°	154.8	143.1	130.4	110.9	75.0	54.0	41.3	27.2	21.8	20.0
127.5°	163.2	153.0	136.3	118.7	95.4	61.8	48.5	34.7	31.2	30.1
130°	162.7	155.6	132.3	125.5	107.6	74.1	51.3	41.7	36.8	37.6
132.5°	164.9	148.5	146.0	130.7	113.9	96.3	65.8	53.1	46.6	44.8
135°	166.8	161.5	145.5	136.4	118.1	108.3	84.6	62.1	54.8	55.8
137.5°	170.6	163.3	152.3	142.0	125.8	116.5	103.1	91.2	84.0	82.7
140°	169.6	164.4	152.5	149.5	132.2	123.4	106.1	103.5	96.0	105.4
142.5°	177.5	166.3	157.3	146.9	133.7	129.2	114.9	111.2	109.3	108.5
145°	176.0	164.1	157.6	151.6	132.7	133.7	123.1	117.2	117.8	115.3
147.5°	169.2	159.7	151.7	153.4	140.6	137.2	127.4	125.8	116.0	120.5
150°	178.1	163.1	148.5	152.9	144.5	140.1	130.7	127.6	120.3	125.0
152.5°	163.0	156.1	154.2	147.0	139.7	136.2	130.7	129.4	123.8	133.5
155°	162.7	154.2	152.4	150.9	139.6	139.1	134.6	132.8	132.0	135.7
157.5°	156.2	155.4	149.3	149.4	143.9	139.5	135.8	134.4	130.4	137.4
160°	159.9	150.9	149.1	147.8	143.4	143.5	136.6	136.2	132.6	137.5
162.5°	153.9	149.6	147.0	146.2	142.5	138.1	137.0	137.5	137.2	138.5
165°	151.7	146.9	146.7	144.6	141.6	142.9	137.4	138.5	137.9	140.4
167.5°	145.0	145.1	141.6	143.1	140.7	135.0	133.3	139.2	138.5	138.5
170°	147.4	143.3	140.7	138.0	145.5	137.5	138.0	140.0	138.6	142.0
172.5°	145.9	142.2	140.1	142.1	145.4	142.7	138.2	145.5	139.2	137.2
175°	144.9	142.7	139.9	141.7	140.7	140.4	141.3	142.6	140.9	142.8
177.5°	144.7	142.9	140.2	142.8	141.4	135.6	139.6	147.8	142.2	137.3
180°	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8	142.8

(END OF REPORT)