

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: P395015

Luminaire Tested: **303-W2-LEDB2-TSAM-UNV-T5X-DIM10-CS-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P395015  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-W2-LEDB2-TSAM-UNV-T5X-DIM10-CS-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
WALL MOUNT, DIRECT-INDIRECT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 369.2 lumens  
Efficiency: N/A  
Efficacy: 30.5 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 1.52')  
CIE Type: General Diffuse

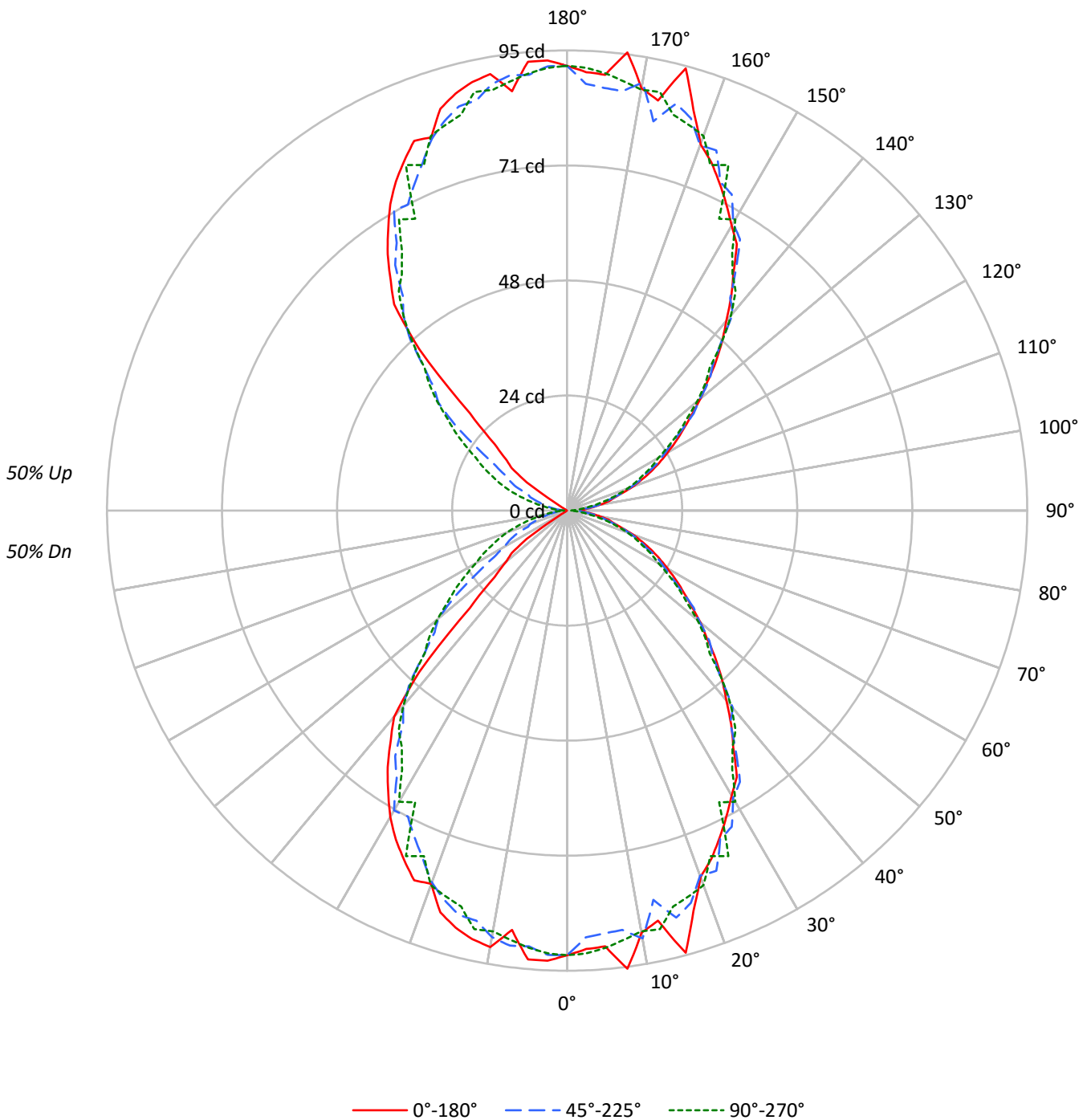
Input Watts (W): 12.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	98	94	91	87	91	87	84	81	74	72	70	62	60	59	51	49	49	43
2	90	83	77	72	83	77	72	68	66	62	59	55	52	50	45	44	42	37
3	83	74	67	61	76	68	62	57	58	54	50	49	46	43	41	38	37	32
4	76	66	58	52	70	61	54	49	52	47	43	44	41	38	37	34	32	29
5	70	59	51	45	65	55	48	43	47	42	38	40	36	33	34	31	28	25
6	65	53	45	40	60	50	43	38	43	37	33	37	32	29	31	28	25	23
7	60	48	40	35	55	45	38	33	39	34	30	33	29	26	28	25	23	20
8	56	44	36	31	52	41	34	30	36	30	27	31	27	24	26	23	21	18
9	52	40	33	28	48	38	31	27	33	28	24	28	24	21	24	21	19	17
10	49	37	30	25	45	35	28	24	30	25	22	26	22	19	23	19	17	15

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

	0°	90°	180°
0°	12648	12648	12648
5°	7623	9250	7851
10°	5415	7196	5599
15°	4562	5785	4301
20°	3229	4875	3289
25°	2573	4140	2749
30°	2072	3306	2228
35°	1647	2607	1779
40°	1290	2150	1404
45°	1019	1604	667
50°	794	1287	365
55°	616	994	215
60°	483	749	0
65°	374	582	0
70°	276	438	0
75°	187	287	0
80°	129	159	0
85°	73	70	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	2.3
10°-20°	24.2	6.6
20°-30°	34.9	9.5
30°-40°	38.1	10.3
40°-50°	31.9	8.6
50°-60°	22.2	6.0
60°-70°	14.0	3.8
70°-80°	7.8	2.1
80°-90°	2.8	0.8
90°-100°	2.8	0.8
100°-110°	7.8	2.1
110°-120°	14.0	3.8
120°-130°	22.2	6.0
130°-140°	31.9	8.6
140°-150°	38.1	10.3
150°-160°	34.9	9.5
160°-170°	24.2	6.6
170°-180°	8.6	2.3
0°-30°	67.8	18.4
0°-40°	105.8	28.7
0°-60°	160.0	43.3
0°-90°	184.6	50.0
90°-120°	24.6	6.7
90°-150°	116.8	31.6
90°-180°	185.0	50.1
0°-180°	369.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	90	88	91	90	93	9
15°	94	87	85	86	89	25
25°	74	75	79	74	80	34
35°	60	61	60	62	65	37
45°	43	42	42	42	28	33
55°	29	29	28	23	10	26
65°	19	18	17	12	0	19
75°	10	9	9	5	0	11
85°	4	3	2	2	0	4
90°	3	2	1	1	0	2
95°	4	3	2	2	0	4
105°	10	9	9	5	0	11
115°	19	18	17	12	0	19
125°	29	29	28	23	10	26
135°	43	42	42	42	28	33
145°	60	61	60	62	65	37
155°	74	75	79	74	80	34
165°	94	87	85	86	89	25
175°	90	88	91	90	93	9
180°	92	92	92	92	92	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2.5°	90.6	90.6	87.0	92.1	90.0	88.2	95.4	90.6	91.8	90.6	91.5
5°	90.3	90.0	91.5	91.8	89.7	87.6	88.8	92.1	91.5	92.1	90.6
7.5°	95.4	89.7	90.6	90.9	88.5	87.3	88.2	87.6	90.6	89.4	89.4
10°	88.5	85.5	87.9	89.7	89.4	89.7	93.0	88.2	89.7	87.9	88.2
12.5°	86.7	84.0	88.2	87.9	85.5	82.3	88.5	86.7	85.2	87.6	88.5
15°	94.5	85.8	86.7	87.6	83.7	87.0	86.7	82.9	89.7	84.3	84.6
17.5°	86.7	83.7	84.3	84.0	82.3	84.9	86.7	83.2	84.6	81.7	83.5
20°	80.5	81.1	82.0	81.4	79.0	80.2	82.0	82.3	82.0	78.7	82.3
22.5°	77.8	78.7	77.8	80.2	76.6	80.5	79.3	79.3	79.3	78.1	77.2
25°	74.5	75.7	74.8	75.4	73.0	74.8	76.0	74.8	76.3	73.9	78.7
27.5°	71.2	69.7	70.9	72.1	71.5	73.6	72.4	69.4	73.6	72.1	67.9
30°	67.9	66.7	69.4	70.3	67.9	68.5	69.4	68.2	70.0	67.0	69.4
32.5°	65.2	63.1	65.5	66.1	64.0	66.4	64.9	64.6	66.1	61.3	63.4
35°	59.8	61.3	61.9	60.4	60.1	60.7	62.2	58.0	62.2	58.9	59.5
37.5°	55.6	57.4	57.1	56.2	55.9	55.3	55.9	51.7	56.8	54.4	57.1
40°	51.1	49.4	52.6	48.2	49.4	53.2	52.9	50.0	53.2	52.3	52.6
42.5°	47.3	47.0	49.4	45.2	44.9	47.0	46.1	46.1	48.5	45.5	47.3
45°	43.4	43.1	44.6	41.3	41.0	42.5	43.4	41.9	42.5	41.3	41.6
47.5°	39.2	40.7	40.4	39.2	35.9	39.8	36.2	36.2	38.3	38.3	38.6
50°	35.9	37.4	35.9	35.9	34.4	35.6	34.1	32.3	34.7	35.3	35.0
52.5°	32.3	32.3	33.2	32.3	31.1	32.9	29.3	29.6	31.4	31.4	31.1
55°	29.3	30.5	30.2	29.3	29.0	28.7	27.2	27.8	27.5	28.4	28.1
57.5°	26.6	26.6	27.5	28.1	26.3	25.4	24.5	24.2	25.1	25.1	24.8
60°	23.9	24.8	24.8	24.5	22.4	23.0	21.5	22.4	21.8	21.8	21.8
62.5°	21.5	22.1	23.3	21.5	21.2	20.9	19.4	20.0	19.4	20.0	19.7
65°	19.1	19.7	20.0	19.4	18.8	17.9	17.6	17.0	17.6	17.3	17.3
67.5°	16.7	17.3	16.7	16.5	15.9	16.2	15.6	15.3	14.7	14.7	15.3
70°	14.4	15.0	14.7	14.7	14.1	13.8	12.9	12.6	12.3	12.9	13.2
72.5°	11.7	12.9	12.3	12.3	12.0	11.7	11.4	10.5	10.5	10.8	10.8
75°	9.9	11.1	11.1	10.2	10.2	9.3	9.3	9.3	8.7	8.7	8.7
77.5°	8.7	8.7	8.7	8.4	8.1	7.8	7.2	7.5	6.6	6.6	6.6
80°	6.9	6.9	6.9	6.6	6.3	6.6	5.7	5.7	5.1	5.1	4.8
82.5°	5.4	5.7	5.4	5.4	4.8	4.8	4.5	4.2	3.6	3.6	3.3
85°	3.9	4.2	4.2	4.2	3.9	3.3	3.3	2.7	2.1	2.1	2.1
87.5°	3.3	3.6	3.3	3.0	3.0	2.7	2.4	1.8	1.5	1.2	1.2
90°	3.0	3.6	3.0	3.0	2.4	2.4	1.8	1.8	1.2	0.6	0.6
92.5°	3.3	3.6	3.3	3.0	3.0	2.7	2.4	1.8	1.5	1.2	1.2
95°	3.9	4.2	4.2	4.2	3.9	3.3	3.3	2.7	2.1	2.1	2.1
97.5°	5.4	5.7	5.4	5.4	4.8	4.8	4.5	4.2	3.6	3.6	3.3
100°	6.9	6.9	6.9	6.6	6.3	6.6	5.7	5.7	5.1	5.1	4.8
102.5°	8.7	8.7	8.7	8.4	8.1	7.8	7.2	7.5	6.6	6.6	6.6
105°	9.9	11.1	11.1	10.2	10.2	9.3	9.3	9.3	8.7	8.7	8.7
107.5°	11.7	12.9	12.3	12.3	12.0	11.7	11.4	10.5	10.5	10.8	10.8
110°	14.4	15.0	14.7	14.7	14.1	13.8	12.9	12.6	12.3	12.9	13.2



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CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T5X-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.7	17.3	16.7	16.5	15.9	16.2	15.6	15.3	14.7	14.7	15.3
115°	19.1	19.7	20.0	19.4	18.8	17.9	17.6	17.0	17.6	17.3	17.3
117.5°	21.5	22.1	23.3	21.5	21.2	20.9	19.4	20.0	19.4	20.0	19.7
120°	23.9	24.8	24.8	24.5	22.4	23.0	21.5	22.4	21.8	21.8	21.8
122.5°	26.6	26.6	27.5	28.1	26.3	25.4	24.5	24.2	25.1	25.1	24.8
125°	29.3	30.5	30.2	29.3	29.0	28.7	27.2	27.8	27.5	28.4	28.1
127.5°	32.3	32.3	33.2	32.3	31.1	32.9	29.3	29.6	31.4	31.4	31.1
130°	35.9	37.4	35.9	35.9	34.4	35.6	34.1	32.3	34.7	35.3	35.0
132.5°	39.2	40.7	40.4	39.2	35.9	39.8	36.2	36.2	38.3	38.3	38.6
135°	43.4	43.1	44.6	41.3	41.0	42.5	43.4	41.9	42.5	41.3	41.6
137.5°	47.3	47.0	49.4	45.2	44.9	47.0	46.1	46.1	48.5	45.5	47.3
140°	51.1	49.4	52.6	48.2	49.4	53.2	52.9	50.0	53.2	52.3	52.6
142.5°	55.6	57.4	57.1	56.2	55.9	55.3	55.9	51.7	56.8	54.4	57.1
145°	59.8	61.3	61.9	60.4	60.1	60.7	62.2	58.0	62.2	58.9	59.5
147.5°	65.2	63.1	65.5	66.1	64.0	66.4	64.9	64.6	66.1	61.3	63.4
150°	67.9	66.7	69.4	70.3	67.9	68.5	69.4	68.2	70.0	67.0	69.4
152.5°	71.2	69.7	70.9	72.1	71.5	73.6	72.4	69.4	73.6	72.1	67.9
155°	74.5	75.7	74.8	75.4	73.0	74.8	76.0	74.8	76.3	73.9	78.7
157.5°	77.8	78.7	77.8	80.2	76.6	80.5	79.3	79.3	79.3	78.1	77.2
160°	80.5	81.1	82.0	81.4	79.0	80.2	82.0	82.3	82.0	78.7	82.3
162.5°	86.7	83.7	84.3	84.0	82.3	84.9	86.7	83.2	84.6	81.7	83.5
165°	94.5	85.8	86.7	87.6	83.7	87.0	86.7	82.9	89.7	84.3	84.6
167.5°	86.7	84.0	88.2	87.9	85.5	82.3	88.5	86.7	85.2	87.6	88.5
170°	88.5	85.5	87.9	89.7	89.4	89.7	93.0	88.2	89.7	87.9	88.2
172.5°	95.4	89.7	90.6	90.9	88.5	87.3	88.2	87.6	90.6	89.4	89.4
175°	90.3	90.0	91.5	91.8	89.7	87.6	88.8	92.1	91.5	92.1	90.6
177.5°	90.6	90.6	87.0	92.1	90.0	88.2	95.4	90.6	91.8	90.6	91.5
180°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
2.5°	90.0	90.3	89.7	95.7	91.8	91.2	92.4	92.4	92.7	93.0
5°	89.4	90.0	92.7	93.0	90.3	95.1	92.1	93.9	92.4	93.0
7.5°	88.5	89.4	87.9	94.2	90.6	93.0	91.5	93.0	91.5	87.3
10°	87.0	86.4	86.7	95.1	89.4	88.8	90.9	90.3	93.3	91.5
12.5°	84.3	87.3	87.0	91.5	86.7	89.7	86.7	85.8	91.8	90.6
15°	81.7	85.5	85.5	88.2	86.4	84.3	85.5	87.9	87.3	89.1
17.5°	81.7	81.4	81.1	85.8	84.3	82.0	86.1	85.5	87.6	87.0
20°	80.8	78.7	78.7	83.5	81.7	81.4	89.7	82.9	85.2	82.0
22.5°	76.0	79.0	80.8	83.2	77.8	77.2	81.4	80.8	82.0	82.6
25°	75.7	68.2	76.0	77.5	74.5	76.3	81.4	78.1	76.9	79.6
27.5°	72.7	73.0	73.0	76.0	71.2	73.3	78.1	73.3	75.1	76.6
30°	69.4	69.7	66.7	73.9	71.5	69.7	71.5	71.5	70.3	73.0
32.5°	65.5	66.1	63.1	66.7	65.5	65.2	67.6	68.5	67.0	68.8
35°	59.5	57.1	61.6	64.0	61.9	58.9	64.0	63.7	64.6	64.6
37.5°	50.8	55.6	55.3	59.8	55.6	55.9	58.9	59.2	59.8	59.8
40°	50.5	49.1	53.2	54.4	52.6	53.2	55.3	53.8	51.7	55.6
42.5°	45.8	46.1	46.1	49.7	47.9	48.2	48.2	45.2	46.1	45.2
45°	43.4	42.2	43.4	44.6	41.6	41.9	41.9	34.1	29.6	28.4
47.5°	37.7	38.0	38.9	39.2	37.1	36.5	31.4	21.5	18.5	20.3
50°	35.6	35.9	35.0	36.8	34.7	30.8	21.5	17.0	15.9	16.5
52.5°	31.7	30.2	31.7	31.7	29.3	20.6	18.5	13.5	12.9	14.4
55°	27.5	29.0	28.7	28.4	23.0	15.9	16.5	11.7	10.2	10.2
57.5°	25.4	25.4	25.4	25.1	17.9	14.4	13.2	5.1	1.5	1.2
60°	22.7	21.2	22.7	21.2	15.0	12.6	7.2	0.6	0.0	0.0
62.5°	20.0	19.7	20.0	17.3	13.5	8.1	4.8	0.3	0.0	0.0
65°	17.3	17.3	17.6	15.0	11.7	5.4	3.9	0.0	0.0	0.0
67.5°	15.3	15.0	15.3	12.9	8.7	5.1	3.3	0.0	0.0	0.0
70°	12.9	13.2	13.2	10.8	8.1	4.2	2.7	0.3	0.0	0.0
72.5°	10.8	11.1	10.8	9.3	6.6	3.6	2.4	0.3	0.0	0.0
75°	8.7	9.0	8.7	7.5	5.4	2.7	1.8	0.3	0.0	0.0
77.5°	6.9	6.9	6.9	6.0	4.2	2.7	1.5	0.3	0.0	0.0
80°	5.1	5.4	5.1	4.5	3.3	2.1	1.2	0.0	0.0	0.0
82.5°	3.6	3.6	3.6	3.0	2.4	1.5	0.9	0.0	0.0	0.0
85°	2.1	2.4	2.4	2.1	1.5	0.9	0.6	0.0	0.0	0.0
87.5°	1.2	1.2	1.2	1.2	0.9	0.9	0.3	0.0	0.0	0.0
90°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
92.5°	1.2	1.2	1.2	1.2	0.9	0.9	0.3	0.0	0.0	0.0
95°	2.1	2.4	2.4	2.1	1.5	0.9	0.6	0.0	0.0	0.0
97.5°	3.6	3.6	3.6	3.0	2.4	1.5	0.9	0.0	0.0	0.0
100°	5.1	5.4	5.1	4.5	3.3	2.1	1.2	0.0	0.0	0.0
102.5°	6.9	6.9	6.9	6.0	4.2	2.7	1.5	0.3	0.0	0.0
105°	8.7	9.0	8.7	7.5	5.4	2.7	1.8	0.3	0.0	0.0
107.5°	10.8	11.1	10.8	9.3	6.6	3.6	2.4	0.3	0.0	0.0
110°	12.9	13.2	13.2	10.8	8.1	4.2	2.7	0.3	0.0	0.0





TEST NUMBER: P395015

CATALOG NUMBER: 303-W2-LEDB2-TSAM-UNV-T5X-DIM10-CS-EDGE

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.3	15.0	15.3	12.9	8.7	5.1	3.3	0.0	0.0	0.0
115°	17.3	17.3	17.6	15.0	11.7	5.4	3.9	0.0	0.0	0.0
117.5°	20.0	19.7	20.0	17.3	13.5	8.1	4.8	0.3	0.0	0.0
120°	22.7	21.2	22.7	21.2	15.0	12.6	7.2	0.6	0.0	0.0
122.5°	25.4	25.4	25.4	25.1	17.9	14.4	13.2	5.1	1.5	1.2
125°	27.5	29.0	28.7	28.4	23.0	15.9	16.5	11.7	10.2	10.2
127.5°	31.7	30.2	31.7	31.7	29.3	20.6	18.5	13.5	12.9	14.4
130°	35.6	35.9	35.0	36.8	34.7	30.8	21.5	17.0	15.9	16.5
132.5°	37.7	38.0	38.9	39.2	37.1	36.5	31.4	21.5	18.5	20.3
135°	43.4	42.2	43.4	44.6	41.6	41.9	41.9	34.1	29.6	28.4
137.5°	45.8	46.1	46.1	49.7	47.9	48.2	48.2	45.2	46.1	45.2
140°	50.5	49.1	53.2	54.4	52.6	53.2	55.3	53.8	51.7	55.6
142.5°	50.8	55.6	55.3	59.8	55.6	55.9	58.9	59.2	59.8	59.8
145°	59.5	57.1	61.6	64.0	61.9	58.9	64.0	63.7	64.6	64.6
147.5°	65.5	66.1	63.1	66.7	65.5	65.2	67.6	68.5	67.0	68.8
150°	69.4	69.7	66.7	73.9	71.5	69.7	71.5	71.5	70.3	73.0
152.5°	72.7	73.0	73.0	76.0	71.2	73.3	78.1	73.3	75.1	76.6
155°	75.7	68.2	76.0	77.5	74.5	76.3	81.4	78.1	76.9	79.6
157.5°	76.0	79.0	80.8	83.2	77.8	77.2	81.4	80.8	82.0	82.6
160°	80.8	78.7	78.7	83.5	81.7	81.4	89.7	82.9	85.2	82.0
162.5°	81.7	81.4	81.1	85.8	84.3	82.0	86.1	85.5	87.6	87.0
165°	81.7	85.5	85.5	88.2	86.4	84.3	85.5	87.9	87.3	89.1
167.5°	84.3	87.3	87.0	91.5	86.7	89.7	86.7	85.8	91.8	90.6
170°	87.0	86.4	86.7	95.1	89.4	88.8	90.9	90.3	93.3	91.5
172.5°	88.5	89.4	87.9	94.2	90.6	93.0	91.5	93.0	91.5	87.3
175°	89.4	90.0	92.7	93.0	90.3	95.1	92.1	93.9	92.4	93.0
177.5°	90.0	90.3	89.7	95.7	91.8	91.2	92.4	92.4	92.7	93.0
180°	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8

(END OF REPORT)