

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P394960

Luminaire Tested: **303-A1-LEDB2-2700-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394960  
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-A1-LEDB2-2700-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 5 WITH EDGE GLOW  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

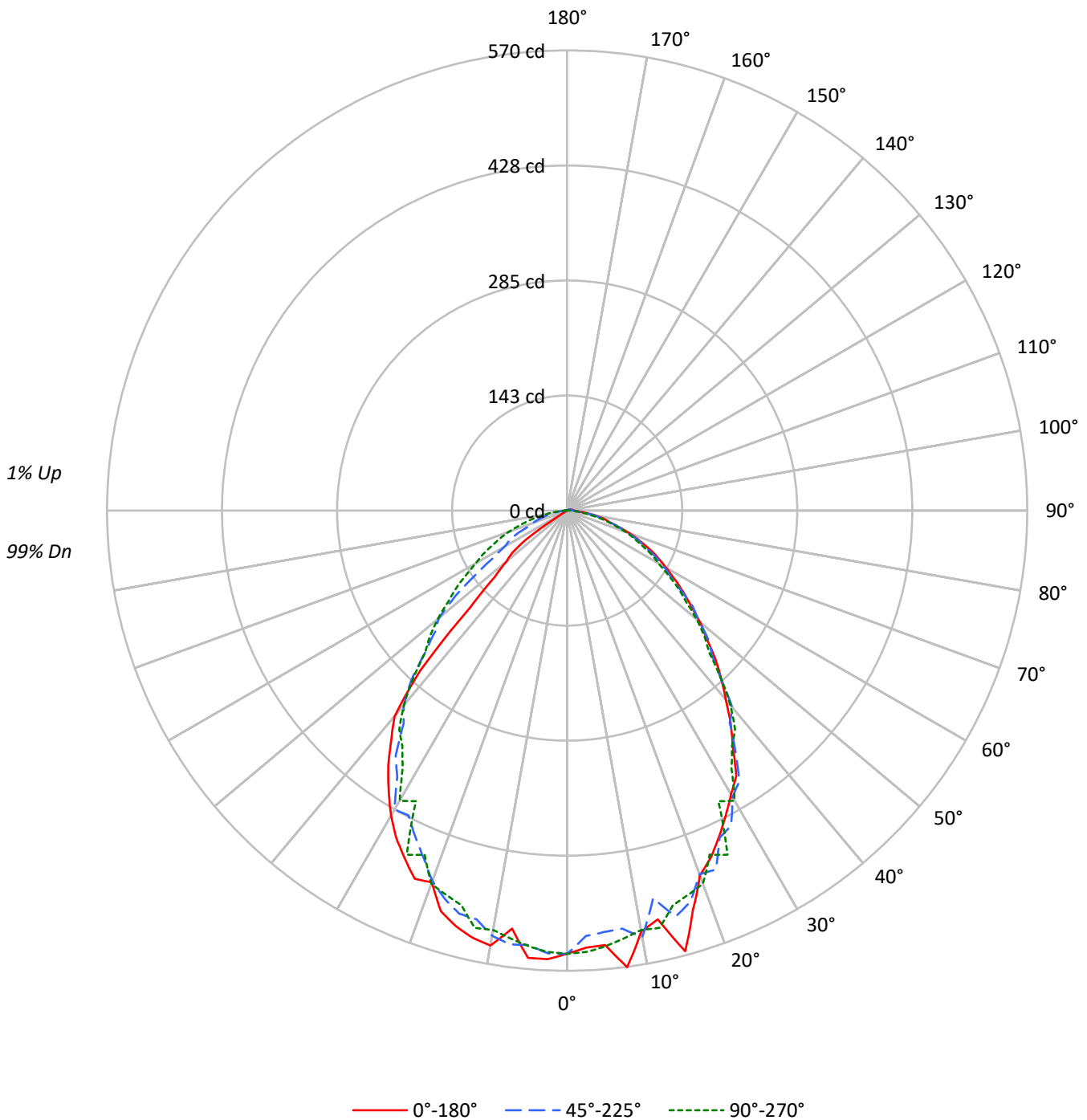
Lumens per Lamp: N/A  
Luminaire Lumens: 1103.5 lumens  
Efficiency: N/A  
Efficacy: 71.2 lumens/watt  
Spacing Criteria (0/90/45): 1.15 / 1.11 / 1.21  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
CIE Type: Direct

Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): 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: 24 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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99								
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86								
2	102	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75								
3	94	84	77	71	91	83	76	71	80	74	69	77	72	68	75	70	67	65								
4	87	76	68	62	84	75	67	62	72	66	61	70	64	60	68	63	59	57								
5	80	69	61	55	78	68	60	54	65	59	54	63	58	53	62	57	52	50								
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45								
7	70	57	49	43	68	56	49	43	55	48	43	53	47	43	52	47	42	40								
8	65	53	45	39	64	52	44	39	51	44	39	49	43	39	48	43	38	37								
9	61	49	41	36	60	48	41	36	47	40	35	46	40	35	45	39	35	33								
10	57	45	38	33	56	45	37	33	44	37	33	43	37	32	42	36	32	31								

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

	0°	90°	180°
0°	37821	37821	37821
5°	37271	37387	38382
10°	36870	36734	38117
15°	40046	35839	37764
20°	34965	35708	35611
25°	33473	35309	35759
30°	31847	32504	34240
35°	29585	29382	31951
40°	26958	27681	29320
45°	24670	23591	16165
50°	22360	21730	10253
55°	20357	19449	7060
60°	18691	17187	0
65°	17472	15712	0
70°	15552	14432	0
75°	13094	12128	0
80°	12501	9235	0
85°	9986	6482	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.7	4.7
10°-20°	144.7	13.1
20°-30°	208.8	18.9
30°-40°	227.6	20.6
40°-50°	190.9	17.3
50°-60°	132.8	12.0
60°-70°	83.0	7.5
70°-80°	43.9	4.0
80°-90°	13.0	1.2
90°-100°	3.6	0.3
100°-110°	2.4	0.2
110°-120°	1.0	0.1
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	405.2	36.7
0°-40°	632.8	57.3
0°-60°	956.5	86.7
0°-90°	1096.4	99.4
90°-120°	7.0	0.6
90°-150°	7.1	0.6
90°-180°	7.0	0.6
0°-180°	1103.5	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	549	549	549	549	549	
5°	540	524	542	540	556	52
15°	565	520	506	517	533	149
25°	445	447	470	445	476	205
35°	358	363	356	370	386	224
45°	259	254	249	249	170	200
55°	175	172	168	138	61	157
65°	113	106	102	70	0	111
75°	54	52	50	30	0	59
85°	16	14	11	7	0	18
90°	9	7	2	2	0	5
95°	7	5	2	2	0	6
105°	5	4	2	2	0	5
115°	2	2	2	0	0	2
125°	0	0	0	0	0	1
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P394960

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	541.9	541.9	520.4	550.8	538.3	527.6	570.5	541.9	549.0	541.9	547.2
5°	540.1	538.3	547.2	549.0	536.5	524.0	531.1	550.8	547.2	550.8	541.9
7.5°	570.5	536.5	541.9	543.6	529.3	522.2	527.6	524.0	541.9	534.7	534.7
10°	529.3	511.5	525.8	536.5	534.7	536.5	556.2	527.6	536.5	525.8	527.6
12.5°	518.6	502.5	527.6	525.8	511.5	491.8	529.3	518.6	509.7	524.0	529.3
15°	565.1	513.2	518.6	524.0	500.7	520.4	518.6	495.4	536.5	504.3	506.1
17.5°	518.6	500.7	504.3	502.5	491.8	507.9	518.6	497.2	506.1	488.2	498.9
20°	481.1	484.6	490.0	486.4	472.1	479.3	490.0	491.8	490.0	470.3	491.8
22.5°	465.0	470.3	465.0	479.3	457.8	481.1	473.9	473.9	473.9	466.8	461.4
25°	445.3	452.4	447.1	450.7	436.4	447.1	454.2	447.1	456.0	441.7	470.3
27.5°	425.6	416.7	423.8	431.0	427.4	439.9	432.8	414.9	439.9	431.0	405.9
30°	405.9	398.8	414.9	420.3	405.9	409.5	414.9	407.7	418.5	400.6	414.9
32.5°	389.9	377.3	391.6	395.2	382.7	397.0	388.1	386.3	395.2	366.6	379.1
35°	357.7	366.6	370.2	361.2	359.5	363.0	372.0	346.9	372.0	352.3	355.9
37.5°	332.6	343.4	341.6	336.2	334.4	330.8	334.4	309.4	339.8	325.5	341.6
40°	305.8	295.1	314.7	287.9	295.1	318.3	316.5	298.6	318.3	313.0	314.7
42.5°	282.6	280.8	295.1	270.0	268.2	280.8	275.4	275.4	289.7	271.8	282.6
45°	259.3	257.5	266.5	246.8	245.0	253.9	259.3	250.4	253.9	246.8	248.6
47.5°	234.3	243.2	241.4	234.3	214.6	237.8	216.4	216.4	228.9	228.9	230.7
50°	214.6	223.5	214.6	214.6	205.7	212.8	203.9	193.1	207.4	211.0	209.2
52.5°	193.1	193.1	198.5	193.1	186.0	196.7	175.3	177.0	187.8	187.8	186.0
55°	175.3	182.4	180.6	175.3	173.5	171.7	162.7	166.3	164.5	169.9	168.1
57.5°	157.4	159.2	164.5	168.1	157.4	152.0	146.6	144.9	150.2	150.2	148.4
60°	141.3	146.6	146.6	144.9	134.1	137.7	127.0	132.3	128.8	130.5	130.5
62.5°	127.0	130.5	137.7	127.0	125.2	123.4	114.5	118.0	114.5	119.8	118.0
65°	112.7	116.2	118.0	114.5	110.9	105.5	103.7	100.1	103.7	103.7	101.9
67.5°	96.6	100.1	98.4	96.6	93.0	94.8	91.2	89.4	85.8	85.8	89.4
70°	82.3	85.8	84.1	84.1	80.5	78.7	75.1	73.3	71.5	75.1	76.9
72.5°	66.2	73.3	69.7	69.7	68.0	66.2	64.4	60.8	60.8	62.6	62.6
75°	53.6	60.8	60.8	57.2	57.2	51.9	51.9	51.9	50.1	50.1	50.1
77.5°	46.5	46.5	46.5	44.7	42.9	42.9	39.3	41.1	37.6	37.6	37.6
80°	35.8	35.8	35.8	34.0	32.2	34.0	30.4	30.4	28.6	28.6	26.8
82.5°	25.0	26.8	25.0	25.0	23.2	23.2	21.5	21.5	19.7	19.7	17.9
85°	16.1	17.9	17.9	17.9	16.1	14.3	14.3	12.5	10.7	10.7	10.7
87.5°	12.5	12.5	10.7	10.7	10.7	8.9	8.9	7.2	5.4	5.4	5.4
90°	8.9	10.7	8.9	8.9	7.2	7.2	5.4	5.4	3.6	1.8	1.8
92.5°	7.2	8.9	8.9	7.2	7.2	7.2	5.4	3.6	3.6	1.8	1.8
95°	7.2	7.2	7.2	7.2	7.2	5.4	5.4	3.6	1.8	1.8	1.8
97.5°	7.2	7.2	7.2	7.2	5.4	5.4	5.4	3.6	1.8	1.8	1.8
100°	5.4	5.4	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	1.8
102.5°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	1.8	1.8	1.8
105°	5.4	5.4	5.4	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8
107.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8
110°	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
115°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	1.8
117.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
120°	1.8	1.8	1.8	1.8	0.0	0.0	1.8	1.8	1.8	0.0	0.0
122.5°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0	549.0
2.5°	538.3	540.1	536.5	572.3	549.0	545.4	552.6	552.6	554.4	556.2
5°	534.7	538.3	554.4	556.2	540.1	568.7	550.8	561.5	552.6	556.2
7.5°	529.3	534.7	525.8	563.3	541.9	556.2	547.2	556.2	547.2	522.2
10°	520.4	516.8	518.6	568.7	534.7	531.1	543.6	540.1	558.0	547.2
12.5°	504.3	522.2	520.4	547.2	518.6	536.5	518.6	513.2	549.0	541.9
15°	488.2	511.5	511.5	527.6	516.8	504.3	511.5	525.8	522.2	532.9
17.5°	488.2	486.4	484.6	513.2	504.3	490.0	515.0	511.5	524.0	520.4
20°	482.8	470.3	470.3	498.9	488.2	486.4	536.5	495.4	509.7	490.0
22.5°	454.2	472.1	482.8	497.2	465.0	461.4	486.4	482.8	490.0	493.6
25°	452.4	407.7	454.2	463.2	445.3	456.0	486.4	466.8	459.6	475.7
27.5°	434.6	436.4	436.4	454.2	425.6	438.1	466.8	438.1	448.9	457.8
30°	414.9	416.7	398.8	441.7	427.4	416.7	427.4	427.4	420.3	436.4
32.5°	391.6	395.2	377.3	398.8	391.6	389.9	404.2	409.5	400.6	411.3
35°	355.9	341.6	368.4	382.7	370.2	352.3	382.7	380.9	386.3	386.3
37.5°	304.0	332.6	330.8	357.7	332.6	334.4	352.3	354.1	357.7	357.7
40°	302.2	293.3	318.3	325.5	314.7	318.3	330.8	321.9	309.4	332.6
42.5°	273.6	275.4	275.4	296.9	286.1	287.9	287.9	270.0	275.4	270.0
45°	259.3	252.2	259.3	266.5	248.6	250.4	250.4	203.9	177.0	169.9
47.5°	225.3	227.1	232.5	234.3	221.8	218.2	187.8	128.8	110.9	121.6
50°	212.8	214.6	209.2	220.0	207.4	184.2	128.8	101.9	94.8	98.4
52.5°	189.6	180.6	189.6	189.6	175.3	123.4	110.9	80.5	76.9	85.8
55°	164.5	173.5	171.7	169.9	137.7	94.8	98.4	69.7	60.8	60.8
57.5°	152.0	152.0	152.0	150.2	107.3	85.8	78.7	30.4	8.9	7.2
60°	135.9	127.0	135.9	127.0	89.4	75.1	42.9	3.6	0.0	0.0
62.5°	119.8	118.0	119.8	103.7	80.5	48.3	28.6	1.8	0.0	0.0
65°	103.7	103.7	105.5	89.4	69.7	32.2	23.2	0.0	0.0	0.0
67.5°	89.4	87.6	91.2	76.9	51.9	30.4	19.7	0.0	0.0	0.0
70°	75.1	76.9	76.9	62.6	46.5	25.0	16.1	1.8	0.0	0.0
72.5°	62.6	64.4	62.6	53.6	37.6	21.5	14.3	1.8	0.0	0.0
75°	50.1	51.9	50.1	42.9	30.4	16.1	10.7	1.8	0.0	0.0
77.5°	39.3	39.3	39.3	34.0	23.2	14.3	8.9	1.8	0.0	0.0
80°	28.6	30.4	28.6	25.0	17.9	10.7	7.2	0.0	0.0	0.0
82.5°	19.7	19.7	19.7	16.1	12.5	7.2	5.4	0.0	0.0	0.0
85°	10.7	12.5	12.5	10.7	7.2	3.6	3.6	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	3.6	3.6	1.8	0.0	0.0	0.0
90°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
92.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
95°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
97.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
100°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
102.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
105°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
107.5°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
110°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P394960  
 CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)