

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: P394750

Luminaire Tested: **303-B1-LEDB2-2700-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B1-LEDB2-2700-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5 WITH EDGE GLOW  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1080.8 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
IES Classification: Type I - Short  
BUG Rating: B0 - U2 - G0

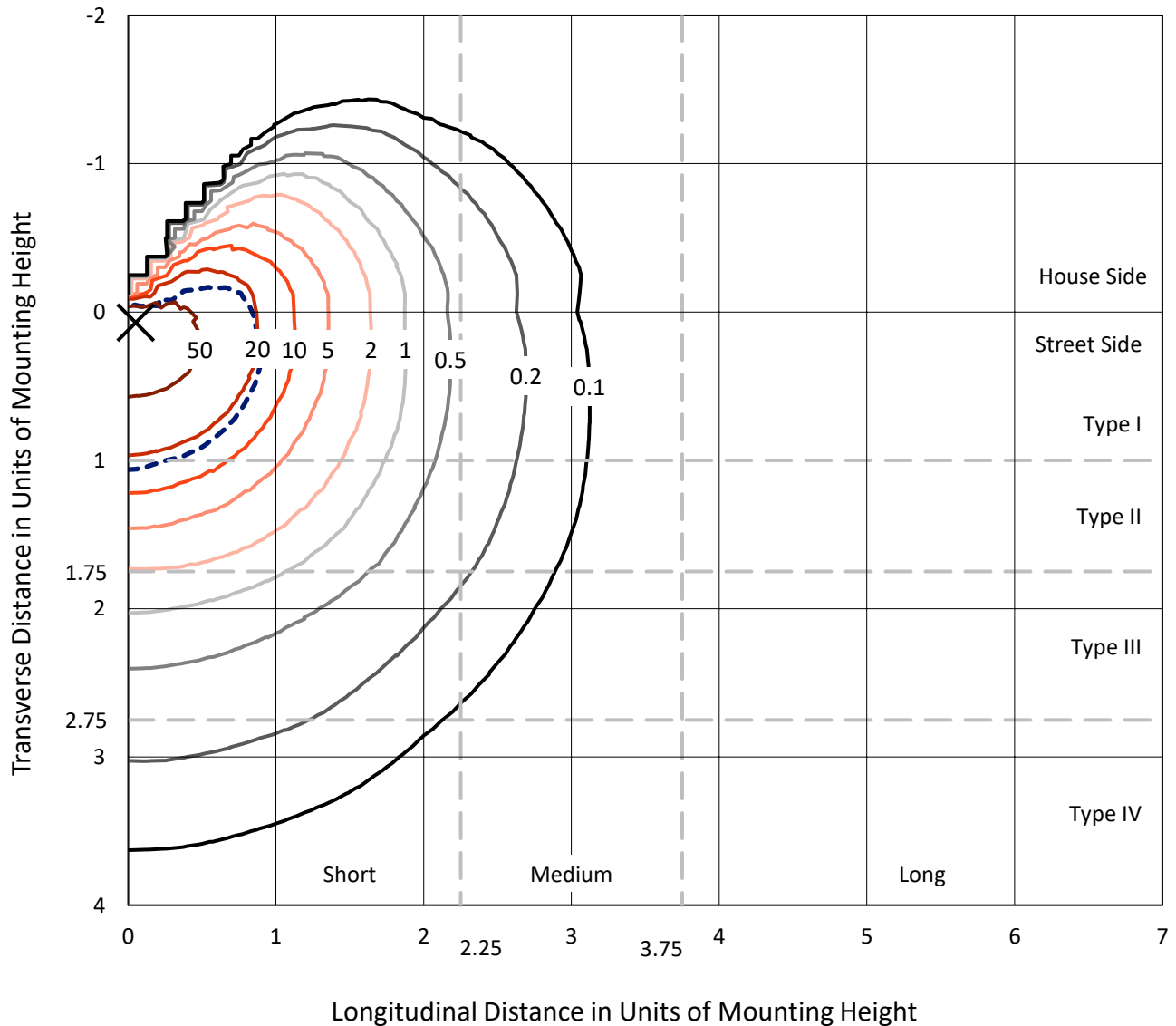
Input Watts (W): 15.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

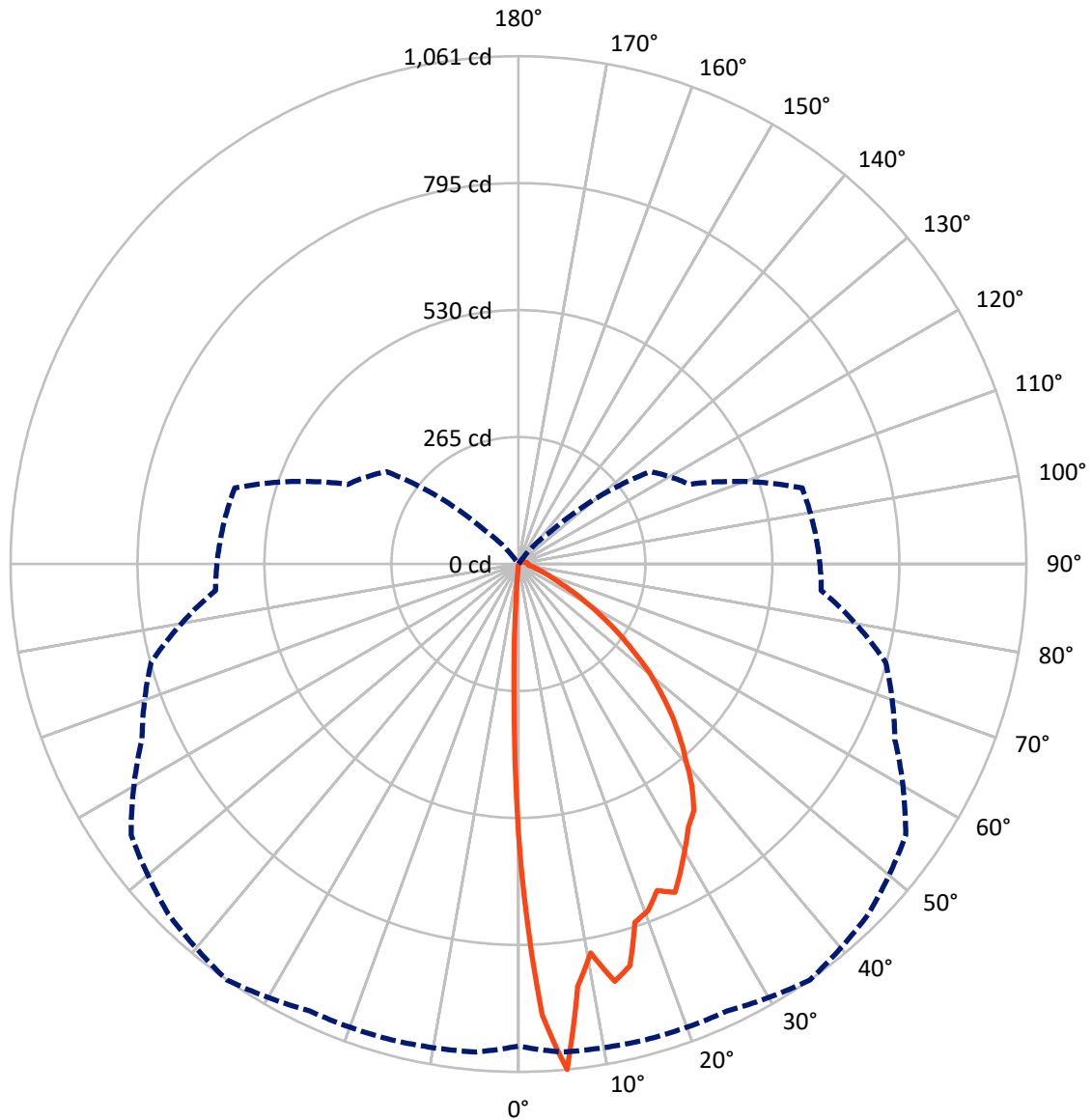
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 93.6 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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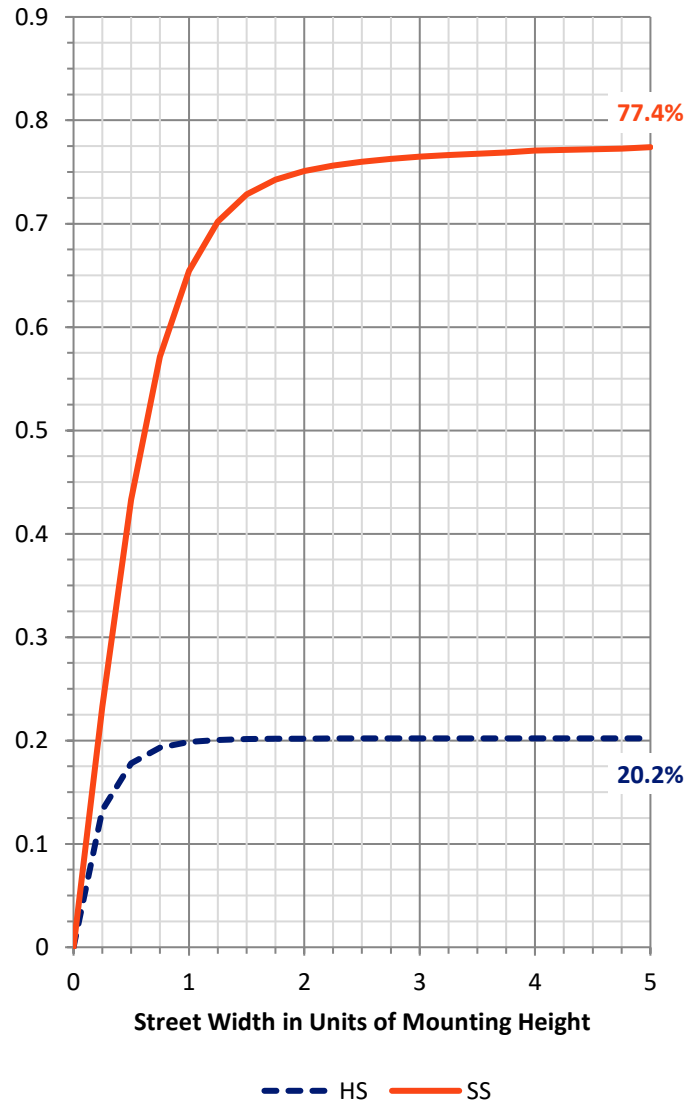
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	220.7	0.0	220.7
	% Fixture	20.4	0.0	20.4
<b>Street Side</b>	Lumens	840.6	19.5	860.1
	% Fixture	77.8	1.8	79.6
<b>Total</b>	Lumens	1061.3	19.5	1080.8
	% Fixture	98.2	1.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	4.9
10°-20°	138.7	12.8
20°-30°	206.0	19.1
30°-40°	233.8	21.6
40°-50°	209.1	19.3
50°-60°	132.9	12.3
60°-70°	55.3	5.1
70°-80°	22.8	2.1
80°-90°	9.7	0.9
90°-100°	7.4	0.7
100°-110°	5.5	0.5
110°-120°	3.4	0.3
120°-130°	1.9	0.2
130°-140°	0.9	0.1
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1061.3	98.2
0°-180°	1080.8	100.0



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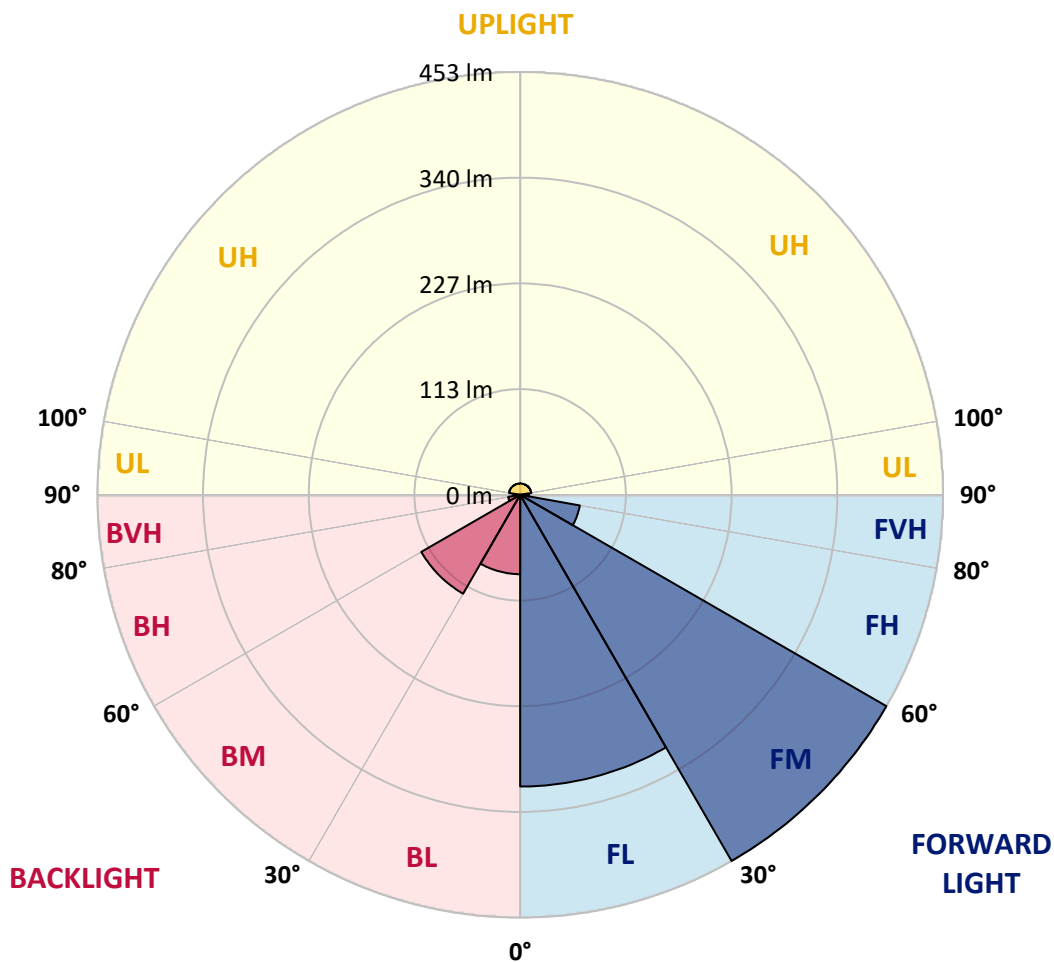
CATALOG NUMBER: 303-B1-LEDB2-2700-UNV-T5X-DIM10-EDGE

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	312.7	28.9			
FM (30°-60°)	453.3	41.9			
FH (60°-80°)	65.0	6.0			G0/660
FVH (80°-90°)	9.5	0.9			G0/10
BL (0°-30°)	85.1	7.9	B0/110		
BM (30°-60°)	122.4	11.3	B0/220		
BH (60°-80°)	13.0	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	7.4	0.7		U1/10	
UH (100°-180°)	12.1	1.1		U2/50	

**BUG Rating: B0-U2-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1
2.5°	1022.9	1010.4	963.9	980.0	942.4	935.3	910.3	849.5	668.8	642.0	622.3
5°	1006.8	1022.9	1028.3	1030.1	1060.5	1033.6	987.2	867.3	794.0	634.9	629.5
7.5°	836.9	858.4	840.5	847.7	890.6	938.9	915.6	878.1	779.7	642.0	615.2
10°	901.3	908.5	887.0	851.2	826.2	788.6	826.2	853.0	765.4	618.8	611.6
12.5°	885.2	913.8	903.1	928.1	894.2	783.3	740.4	786.9	752.9	622.3	608.0
15°	801.2	811.9	810.1	838.7	870.9	858.4	767.2	693.9	731.4	620.5	597.3
17.5°	774.3	786.9	779.7	785.1	786.9	831.6	799.4	681.4	720.7	618.8	595.5
20°	783.3	785.1	770.8	774.3	772.6	772.6	785.1	686.7	688.5	609.8	581.2
22.5°	770.8	770.8	772.6	786.9	740.4	738.6	745.7	727.8	645.6	599.1	584.8
25°	743.9	747.5	742.2	760.0	760.0	724.3	697.4	713.5	615.2	595.5	581.2
27.5°	711.8	724.3	711.8	722.5	722.5	718.9	674.2	690.3	604.5	579.4	559.7
30°	681.4	688.5	681.4	692.1	686.7	693.9	652.7	649.2	584.8	552.6	540.1
32.5°	649.2	652.7	647.4	654.5	652.7	643.8	627.7	613.4	575.8	545.4	525.8
35°	613.4	624.1	599.1	622.3	631.3	611.6	593.7	575.8	549.0	488.2	495.4
37.5°	579.4	577.6	570.5	581.2	588.4	574.1	552.6	538.3	513.2	470.3	465.0
40°	543.6	547.2	536.5	536.5	538.3	532.9	509.7	498.9	482.8	432.8	431.0
42.5°	511.5	504.3	493.6	493.6	493.6	482.8	470.3	459.6	441.7	402.4	397.0
45°	465.0	457.8	445.3	450.7	448.9	438.1	431.0	420.3	400.6	370.2	355.9
47.5°	414.9	418.5	404.2	411.3	398.8	395.2	382.7	366.6	354.1	327.3	316.5
50°	364.8	364.8	348.7	354.1	352.3	346.9	330.8	321.9	309.4	284.3	280.8
52.5°	311.2	313.0	302.2	307.6	296.9	295.1	282.6	275.4	255.7	232.5	236.1
55°	257.5	261.1	252.2	255.7	250.4	246.8	234.3	223.5	209.2	191.4	184.2
57.5°	203.9	203.9	205.7	207.4	203.9	203.9	187.8	180.6	160.9	148.4	141.3
60°	139.5	143.1	150.2	164.5	160.9	159.2	150.2	137.7	125.2	109.1	107.3
62.5°	114.5	114.5	112.7	116.2	127.0	125.2	114.5	107.3	94.8	80.5	78.7
65°	93.0	93.0	91.2	94.8	94.8	96.6	89.4	80.5	71.5	64.4	60.8
67.5°	78.7	78.7	76.9	75.1	75.1	76.9	69.7	64.4	59.0	51.9	48.3
70°	64.4	66.2	64.4	64.4	60.8	57.2	57.2	51.9	46.5	41.1	35.8
72.5°	55.4	55.4	53.6	53.6	48.3	46.5	44.7	41.1	35.8	30.4	26.8
75°	46.5	46.5	44.7	42.9	39.3	37.6	34.0	32.2	26.8	21.5	19.7
77.5°	39.3	39.3	37.6	37.6	34.0	30.4	25.0	23.2	19.7	14.3	12.5
80°	34.0	34.0	32.2	32.2	28.6	25.0	19.7	16.1	14.3	8.9	7.2
82.5°	30.4	30.4	28.6	26.8	23.2	21.5	16.1	12.5	8.9	3.6	1.8
85°	28.6	26.8	26.8	25.0	21.5	17.9	14.3	10.7	5.4	1.8	0.0
87.5°	25.0	25.0	25.0	23.2	19.7	17.9	12.5	8.9	3.6	0.0	0.0
90°	25.0	25.0	23.2	21.5	19.7	16.1	12.5	8.9	3.6	0.0	0.0
92.5°	23.2	23.2	23.2	21.5	19.7	16.1	12.5	8.9	3.6	0.0	0.0
95°	23.2	23.2	21.5	21.5	17.9	16.1	12.5	8.9	3.6	0.0	0.0
97.5°	21.5	21.5	19.7	19.7	17.9	14.3	10.7	7.2	3.6	0.0	0.0
100°	19.7	19.7	19.7	17.9	16.1	14.3	10.7	7.2	3.6	0.0	0.0
102.5°	17.9	17.9	17.9	16.1	14.3	12.5	8.9	7.2	3.6	0.0	0.0
105°	16.1	16.1	16.1	16.1	14.3	12.5	8.9	7.2	3.6	0.0	0.0
107.5°	16.1	16.1	14.3	14.3	12.5	10.7	8.9	5.4	3.6	0.0	0.0
110°	14.3	14.3	14.3	12.5	10.7	8.9	7.2	5.4	1.8	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.5	12.5	12.5	10.7	10.7	8.9	7.2	5.4	1.8	0.0	0.0
115°	10.7	10.7	10.7	10.7	8.9	7.2	5.4	3.6	1.8	0.0	0.0
117.5°	10.7	10.7	8.9	8.9	7.2	7.2	5.4	3.6	1.8	0.0	0.0
120°	8.9	8.9	8.9	7.2	7.2	5.4	5.4	3.6	1.8	0.0	0.0
122.5°	7.2	7.2	7.2	7.2	5.4	5.4	3.6	3.6	1.8	0.0	0.0
125°	7.2	7.2	7.2	5.4	5.4	5.4	3.6	1.8	1.8	0.0	0.0
127.5°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0
130°	5.4	5.4	5.4	3.6	3.6	3.6	3.6	1.8	1.8	0.0	0.0
132.5°	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	0.0	0.0
135°	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0
137.5°	1.8	1.8	3.6	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
147.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
150°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	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°	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1	633.1
2.5°	617.0	627.7	627.7	588.4	305.8	262.9	264.7	262.9	255.7	257.5
5°	624.1	613.4	393.4	336.2	98.4	0.0	0.0	0.0	0.0	0.0
7.5°	617.0	529.3	355.9	268.2	100.1	0.0	0.0	0.0	0.0	0.0
10°	609.8	522.2	352.3	264.7	98.4	0.0	0.0	0.0	0.0	0.0
12.5°	606.2	525.8	352.3	262.9	98.4	0.0	0.0	0.0	0.0	0.0
15°	611.6	524.0	354.1	262.9	94.8	0.0	0.0	0.0	0.0	0.0
17.5°	599.1	522.2	355.9	259.3	94.8	0.0	0.0	0.0	0.0	0.0
20°	600.9	513.2	355.9	253.9	89.4	0.0	0.0	0.0	0.0	0.0
22.5°	584.8	507.9	352.3	248.6	89.4	0.0	0.0	0.0	0.0	0.0
25°	572.3	481.1	345.1	239.6	85.8	0.0	0.0	0.0	0.0	0.0
27.5°	558.0	468.5	336.2	228.9	84.1	0.0	0.0	0.0	0.0	0.0
30°	538.3	445.3	320.1	216.4	80.5	0.0	0.0	0.0	0.0	0.0
32.5°	516.8	447.1	305.8	214.6	75.1	0.0	0.0	0.0	0.0	0.0
35°	506.1	409.5	286.1	203.9	71.5	0.0	0.0	0.0	0.0	0.0
37.5°	465.0	393.4	268.2	187.8	55.4	0.0	0.0	0.0	0.0	0.0
40°	429.2	350.5	255.7	146.6	34.0	0.0	0.0	0.0	0.0	0.0
42.5°	395.2	330.8	234.3	155.6	57.2	0.0	0.0	0.0	0.0	0.0
45°	359.5	296.9	209.2	121.6	50.1	0.0	0.0	0.0	0.0	0.0
47.5°	329.1	270.0	184.2	127.0	44.7	0.0	0.0	0.0	0.0	0.0
50°	277.2	227.1	159.2	107.3	37.6	0.0	0.0	0.0	0.0	0.0
52.5°	237.8	191.4	134.1	91.2	32.2	0.0	0.0	0.0	0.0	0.0
55°	186.0	150.2	109.1	73.3	25.0	0.0	0.0	0.0	0.0	0.0
57.5°	141.3	118.0	84.1	55.4	19.7	0.0	0.0	0.0	0.0	0.0
60°	110.9	85.8	62.6	41.1	14.3	0.0	0.0	0.0	0.0	0.0
62.5°	80.5	62.6	46.5	28.6	10.7	0.0	0.0	0.0	0.0	0.0
65°	62.6	48.3	34.0	21.5	7.2	0.0	0.0	0.0	0.0	0.0
67.5°	48.3	37.6	25.0	12.5	5.4	0.0	0.0	0.0	0.0	0.0
70°	37.6	28.6	19.7	8.9	3.6	0.0	0.0	0.0	0.0	0.0
72.5°	28.6	21.5	14.3	7.2	1.8	0.0	0.0	0.0	0.0	0.0
75°	19.7	14.3	8.9	3.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.5	8.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.2	3.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: 303-B1-LEDB2-2700-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	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)