

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: P394732

Luminaire Tested: **303-B1-LEDB2-2700-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-5)  
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-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4 WITH EDGE GLOW  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1154.3 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
IES Classification: Type III - Short  
BUG Rating: B0 - U1 - 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

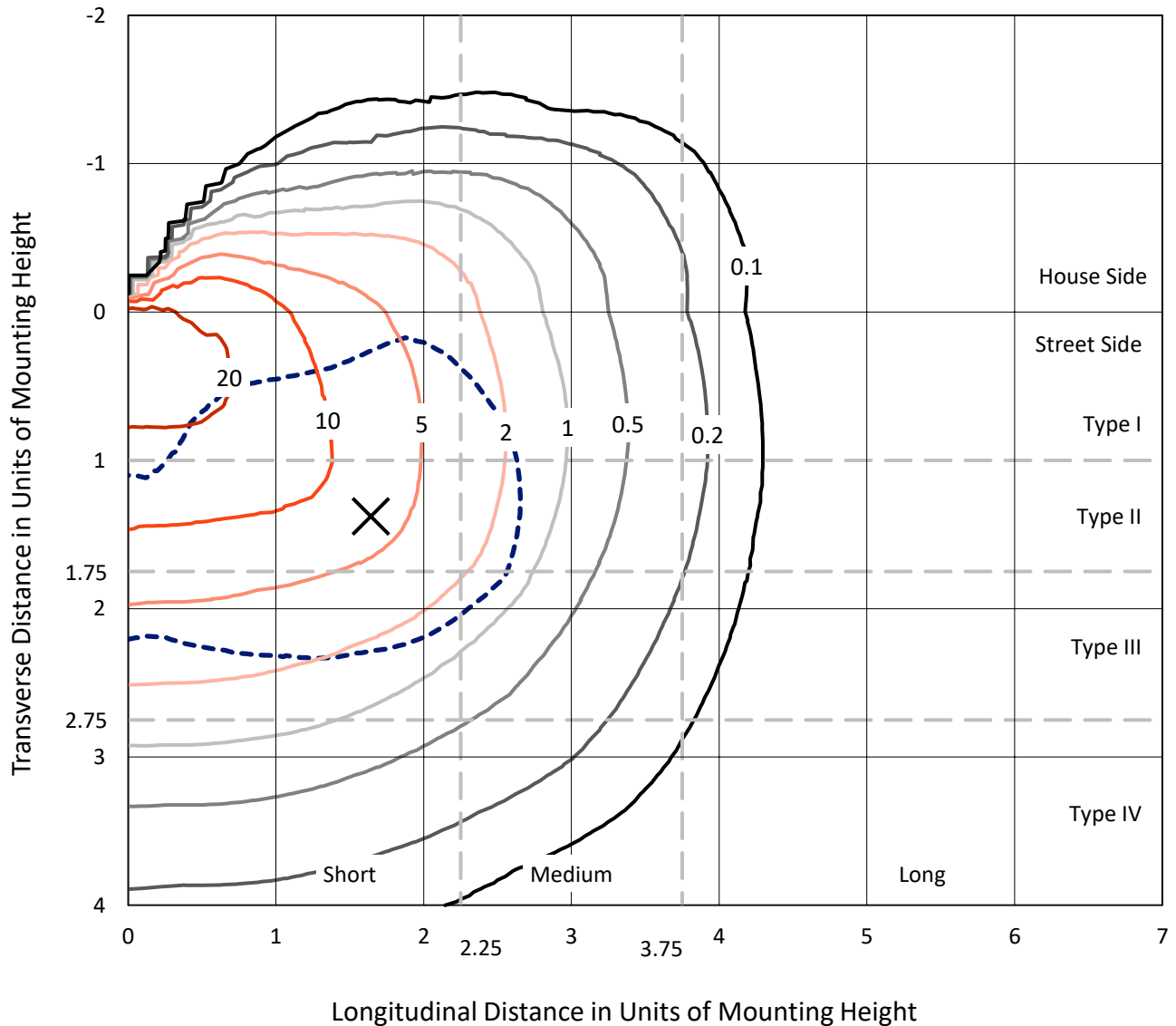


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### Iso-Footcandle Lines of Horizontal Illumination

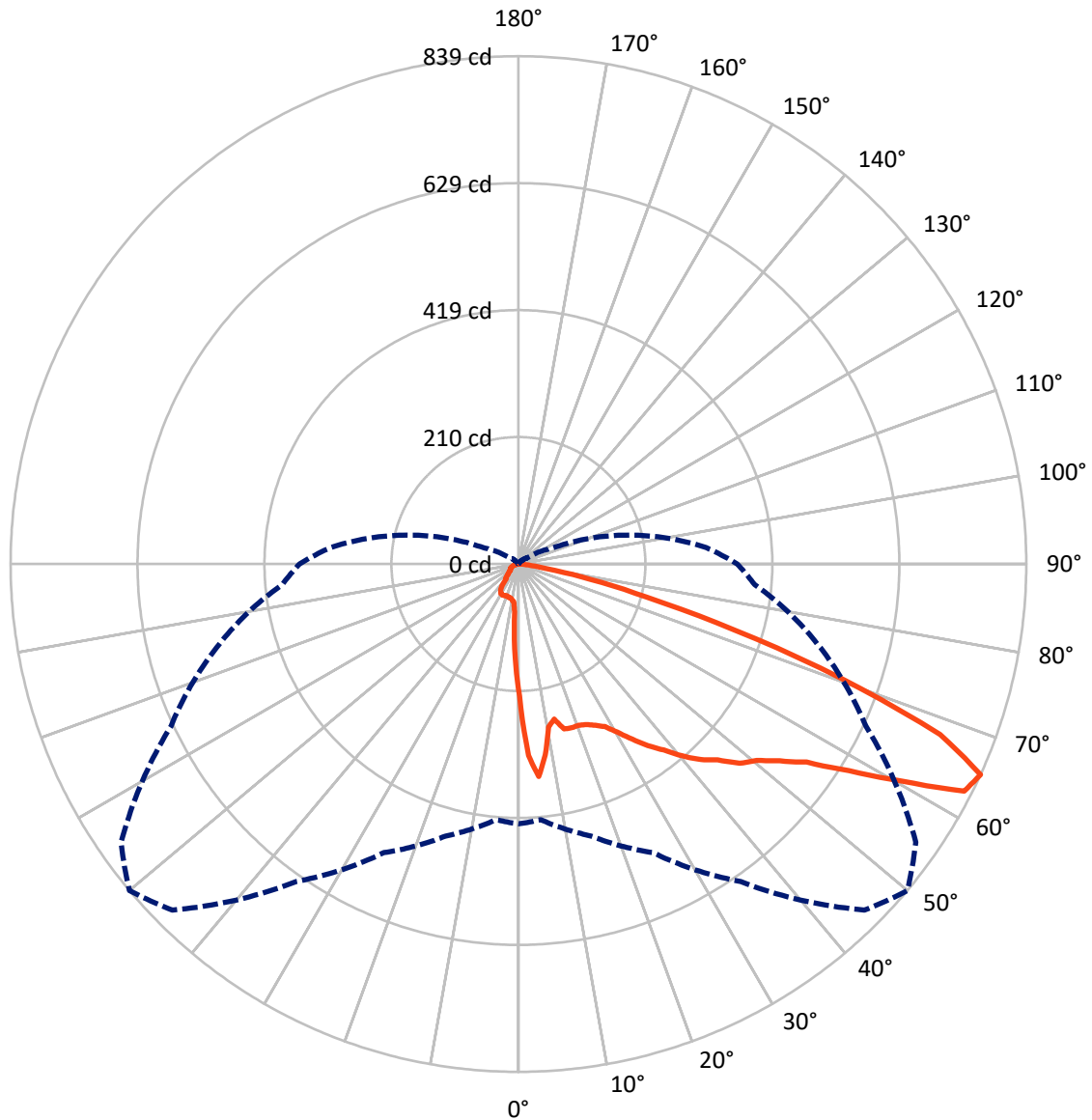
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 31.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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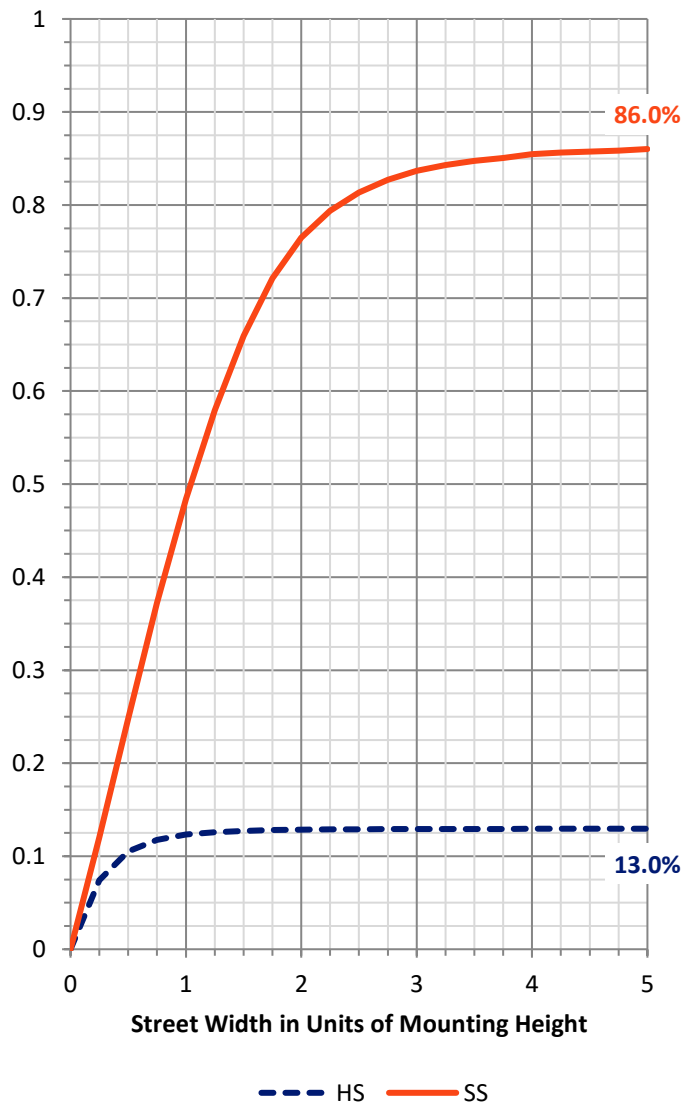
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	150.9	0.0	150.9
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	996.1	7.4	1003.5
	% Fixture	86.3	0.6	86.9
<b>Total</b>	Lumens	1146.9	7.4	1154.3
	% Fixture	99.4	0.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.1	1.6
10°-20°	47.7	4.1
20°-30°	82.2	7.1
30°-40°	131.9	11.4
40°-50°	183.2	15.9
50°-60°	254.3	22.0
60°-70°	304.3	26.4
70°-80°	116.4	10.1
80°-90°	8.8	0.8
90°-100°	3.0	0.3
100°-110°	2.1	0.2
110°-120°	1.3	0.1
120°-130°	0.7	0.1
130°-140°	0.3	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°-90°	1146.9	99.4
0°-180°	1154.3	100.0

**Coefficient of Utilization**



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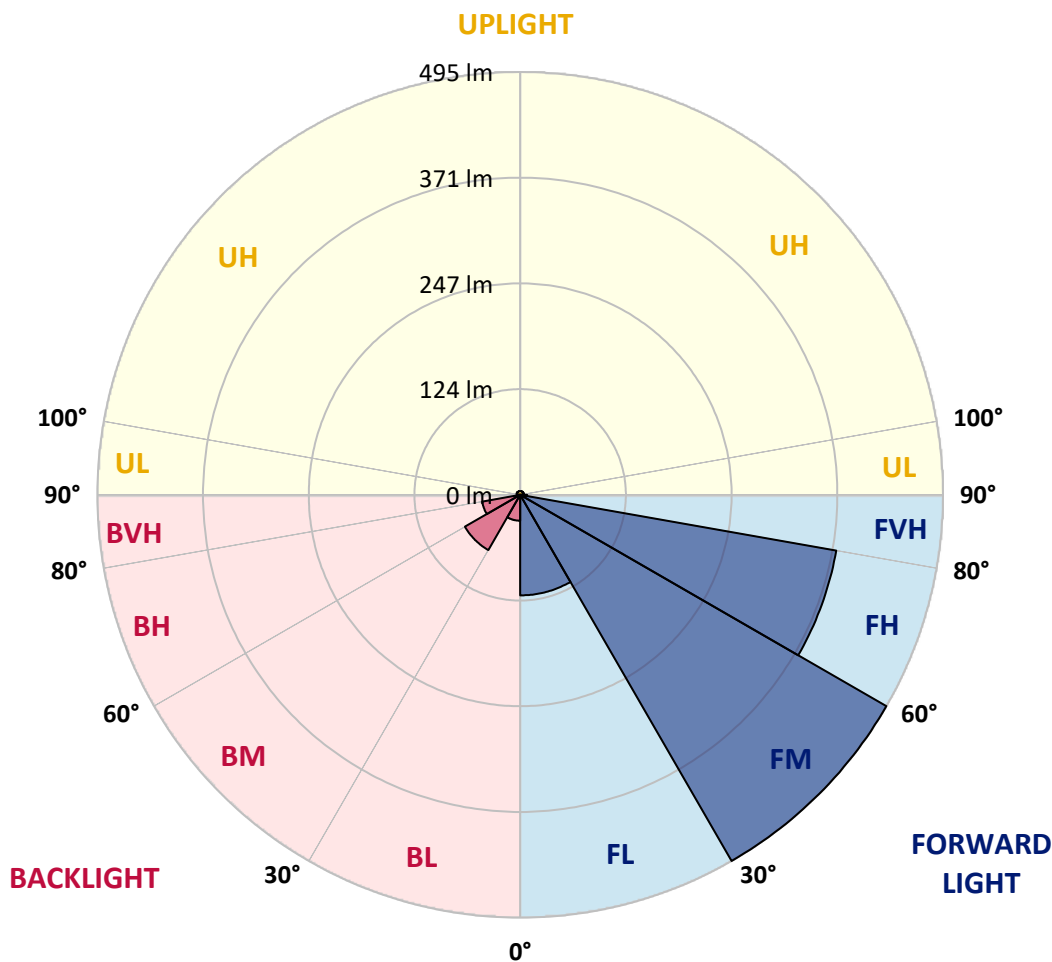
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	117.7	10.2			
FM (30°-60°)	494.8	42.9			
FH (60°-80°)	375.6	32.5			G0/660
FVH (80°-90°)	8.0	0.7			G0/10
BL (0°-30°)	30.3	2.6	B0/110		
BM (30°-60°)	74.6	6.5	B0/220		
BH (60°-80°)	45.1	3.9	B0/110		G0/110
BVH (80°-90°)	0.8	0.1			G0/10
UL (90°-100°)	3.0	0.3		U1/10	
UH (100°-180°)	4.4	0.4		U1/10	

**BUG Rating: B0-U1-G0**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2
2.5°	357.7	350.5	346.9	334.4	320.1	313.0	316.5	309.4	307.6	232.5	220.0
5°	332.6	339.8	339.8	346.9	352.3	352.3	352.3	338.0	293.3	273.6	223.5
7.5°	282.6	277.2	284.3	287.9	300.4	307.6	318.3	316.5	293.3	262.9	225.3
10°	304.0	304.0	298.6	293.3	277.2	261.1	273.6	280.8	279.0	255.7	218.2
12.5°	298.6	296.9	298.6	298.6	298.6	277.2	262.9	261.1	262.9	250.4	214.6
15°	279.0	280.8	280.8	277.2	293.3	286.1	282.6	261.1	236.1	245.0	214.6
17.5°	277.2	270.0	279.0	280.8	279.0	286.1	284.3	279.0	234.3	241.4	214.6
20°	289.7	289.7	286.1	279.0	280.8	280.8	284.3	282.6	246.8	237.8	209.2
22.5°	298.6	291.5	293.3	296.9	289.7	287.9	287.9	284.3	264.7	234.3	214.6
25°	302.2	300.4	305.8	302.2	305.8	296.9	295.1	287.9	275.4	239.6	220.0
27.5°	311.2	311.2	313.0	316.5	320.1	305.8	304.0	300.4	287.9	257.5	225.3
30°	320.1	323.7	325.5	325.5	334.4	327.3	321.9	313.0	307.6	277.2	245.0
32.5°	336.2	338.0	341.6	348.7	350.5	343.4	345.1	339.8	318.3	305.8	264.7
35°	354.1	350.5	361.2	370.2	375.5	364.8	368.4	355.9	346.9	321.9	279.0
37.5°	363.0	361.2	373.8	389.9	398.8	389.9	389.9	388.1	354.1	330.8	287.9
40°	380.9	370.2	386.3	405.9	423.8	418.5	416.7	407.7	368.4	339.8	291.5
42.5°	391.6	379.1	400.6	418.5	441.7	447.1	441.7	429.2	391.6	346.9	298.6
45°	395.2	395.2	413.1	432.8	456.0	465.0	461.4	452.4	400.6	355.9	309.4
47.5°	420.3	409.5	427.4	441.7	473.9	490.0	491.8	481.1	418.5	368.4	313.0
50°	429.2	429.2	439.9	459.6	497.2	520.4	509.7	504.3	438.1	379.1	318.3
52.5°	454.2	454.2	461.4	491.8	520.4	554.4	540.1	531.1	472.1	395.2	339.8
55°	488.2	484.6	500.7	513.2	558.0	583.0	577.6	577.6	486.4	416.7	354.1
57.5°	536.5	516.8	531.1	568.7	604.5	647.4	643.8	617.0	538.3	443.5	368.4
60°	531.1	527.6	550.8	604.5	686.7	736.8	727.8	706.4	599.1	488.2	393.4
62.5°	507.9	490.0	536.5	590.1	701.0	810.1	826.2	803.0	654.5	522.2	418.5
65°	429.2	423.8	465.0	525.8	640.2	808.3	838.7	801.2	633.1	511.5	391.6
67.5°	380.9	377.3	405.9	450.7	545.4	708.2	751.1	724.3	586.6	452.4	345.1
70°	304.0	307.6	338.0	377.3	431.0	536.5	565.1	593.7	479.3	382.7	284.3
72.5°	214.6	216.4	243.2	284.3	318.3	352.3	372.0	393.4	345.1	286.1	214.6
75°	134.1	130.5	148.4	157.4	186.0	225.3	218.2	212.8	202.1	177.0	135.9
77.5°	59.0	60.8	69.7	89.4	96.6	119.8	121.6	114.5	96.6	76.9	51.9
80°	37.6	35.8	39.3	44.7	50.1	51.9	46.5	42.9	41.1	32.2	17.9
82.5°	21.5	19.7	21.5	23.2	25.0	26.8	23.2	21.5	16.1	16.1	7.2
85°	14.3	12.5	12.5	12.5	12.5	10.7	10.7	8.9	8.9	5.4	3.6
87.5°	10.7	10.7	10.7	10.7	8.9	7.2	7.2	5.4	3.6	1.8	0.0
90°	10.7	10.7	10.7	8.9	8.9	7.2	5.4	5.4	3.6	1.8	0.0
92.5°	8.9	8.9	8.9	8.9	7.2	7.2	5.4	5.4	3.6	1.8	0.0
95°	8.9	8.9	8.9	8.9	7.2	5.4	5.4	5.4	3.6	1.8	0.0
97.5°	8.9	8.9	8.9	7.2	7.2	5.4	5.4	5.4	3.6	1.8	0.0
100°	7.2	7.2	7.2	7.2	5.4	5.4	5.4	3.6	3.6	1.8	0.0
102.5°	7.2	7.2	7.2	7.2	5.4	5.4	3.6	3.6	1.8	1.8	0.0
105°	7.2	7.2	7.2	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0
107.5°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	3.6	1.8	1.8	0.0
110°	5.4	5.4	5.4	5.4	3.6	3.6	3.6	3.6	1.8	1.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.4	5.4	5.4	3.6	3.6	3.6	3.6	1.8	1.8	1.8	0.0
115°	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0
117.5°	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0
120°	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	0.0	0.0
122.5°	3.6	3.6	3.6	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2	218.2
2.5°	216.4	214.6	211.0	214.6	198.5	112.7	98.4	93.0	91.2	87.6	91.2
5°	218.2	212.8	212.8	137.7	118.0	39.3	3.6	0.0	0.0	0.0	0.0
7.5°	212.8	212.8	184.2	132.3	89.4	35.8	3.6	0.0	0.0	0.0	0.0
10°	212.8	211.0	180.6	130.5	85.8	35.8	1.8	0.0	0.0	0.0	0.0
12.5°	211.0	212.8	177.0	130.5	82.3	34.0	1.8	0.0	0.0	0.0	0.0
15°	211.0	211.0	171.7	130.5	80.5	34.0	1.8	0.0	0.0	0.0	0.0
17.5°	209.2	209.2	169.9	128.8	80.5	34.0	1.8	0.0	0.0	0.0	0.0
20°	207.4	207.4	166.3	123.4	76.9	34.0	1.8	0.0	0.0	0.0	0.0
22.5°	205.7	207.4	164.5	123.4	78.7	34.0	1.8	0.0	0.0	0.0	0.0
25°	214.6	211.0	169.9	125.2	80.5	34.0	1.8	0.0	0.0	0.0	0.0
27.5°	225.3	221.8	173.5	130.5	80.5	34.0	1.8	0.0	0.0	0.0	0.0
30°	237.8	232.5	178.8	135.9	80.5	34.0	1.8	0.0	0.0	0.0	0.0
32.5°	252.2	241.4	182.4	134.1	78.7	32.2	1.8	0.0	0.0	0.0	0.0
35°	262.9	250.4	180.6	128.8	73.3	30.4	1.8	0.0	0.0	0.0	0.0
37.5°	268.2	253.9	180.6	118.0	64.4	26.8	1.8	0.0	0.0	0.0	0.0
40°	277.2	255.7	175.3	109.1	48.3	14.3	1.8	0.0	0.0	0.0	0.0
42.5°	280.8	257.5	166.3	93.0	44.7	17.9	1.8	0.0	0.0	0.0	0.0
45°	284.3	255.7	157.4	85.8	35.8	16.1	1.8	0.0	0.0	0.0	0.0
47.5°	289.7	253.9	152.0	76.9	30.4	14.3	1.8	0.0	0.0	0.0	0.0
50°	304.0	262.9	152.0	69.7	26.8	12.5	1.8	0.0	0.0	0.0	0.0
52.5°	311.2	271.8	155.6	66.2	25.0	10.7	1.8	0.0	0.0	0.0	0.0
55°	325.5	280.8	155.6	62.6	23.2	8.9	1.8	0.0	0.0	0.0	0.0
57.5°	343.4	289.7	162.7	60.8	21.5	8.9	1.8	0.0	0.0	0.0	0.0
60°	364.8	307.6	169.9	60.8	21.5	8.9	1.8	0.0	0.0	0.0	0.0
62.5°	373.8	323.7	184.2	62.6	19.7	8.9	1.8	0.0	0.0	0.0	0.0
65°	361.2	311.2	184.2	62.6	17.9	8.9	1.8	0.0	0.0	0.0	0.0
67.5°	304.0	280.8	171.7	57.2	16.1	8.9	1.8	0.0	0.0	0.0	0.0
70°	245.0	232.5	146.6	46.5	14.3	5.4	1.8	0.0	0.0	0.0	0.0
72.5°	189.6	180.6	116.2	34.0	12.5	5.4	1.8	0.0	0.0	0.0	0.0
75°	112.7	114.5	80.5	23.2	8.9	5.4	1.8	0.0	0.0	0.0	0.0
77.5°	44.7	50.1	37.6	16.1	7.2	3.6	1.8	0.0	0.0	0.0	0.0
80°	14.3	16.1	14.3	8.9	5.4	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	7.2	7.2	7.2	5.4	1.8	1.8	0.0	0.0	0.0	0.0	0.0
85°	3.6	1.8	1.8	1.8	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	0.0
90°	0.0	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	0.0
95°	0.0	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	0.0
100°	0.0	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	0.0
105°	0.0	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	0.0
110°	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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CATALOG NUMBER: 303-B1-LEDB2-2700-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	90°	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	0.0
115°	0.0	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	0.0
120°	0.0	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	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

(END OF REPORT)