

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: P394773

Luminaire Tested: **303-B2-LEDB4-2700-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394773  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B2-LEDB4-2700-UNV-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR 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: 2307.8 lumens  
Efficiency: N/A  
Efficacy: 75.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')  
IES Classification: Type III - Short  
BUG Rating: B1 - U1 - G1

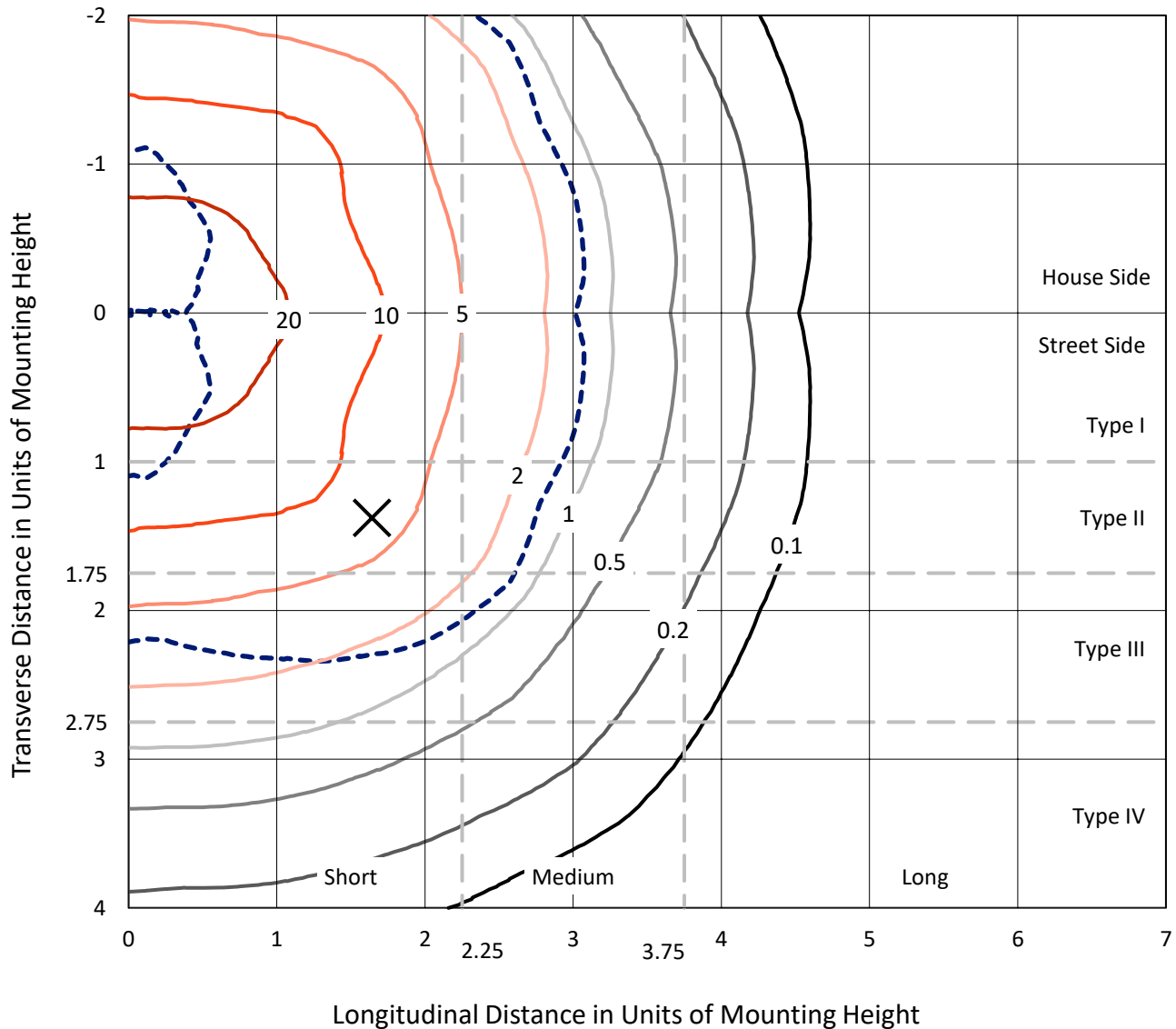
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

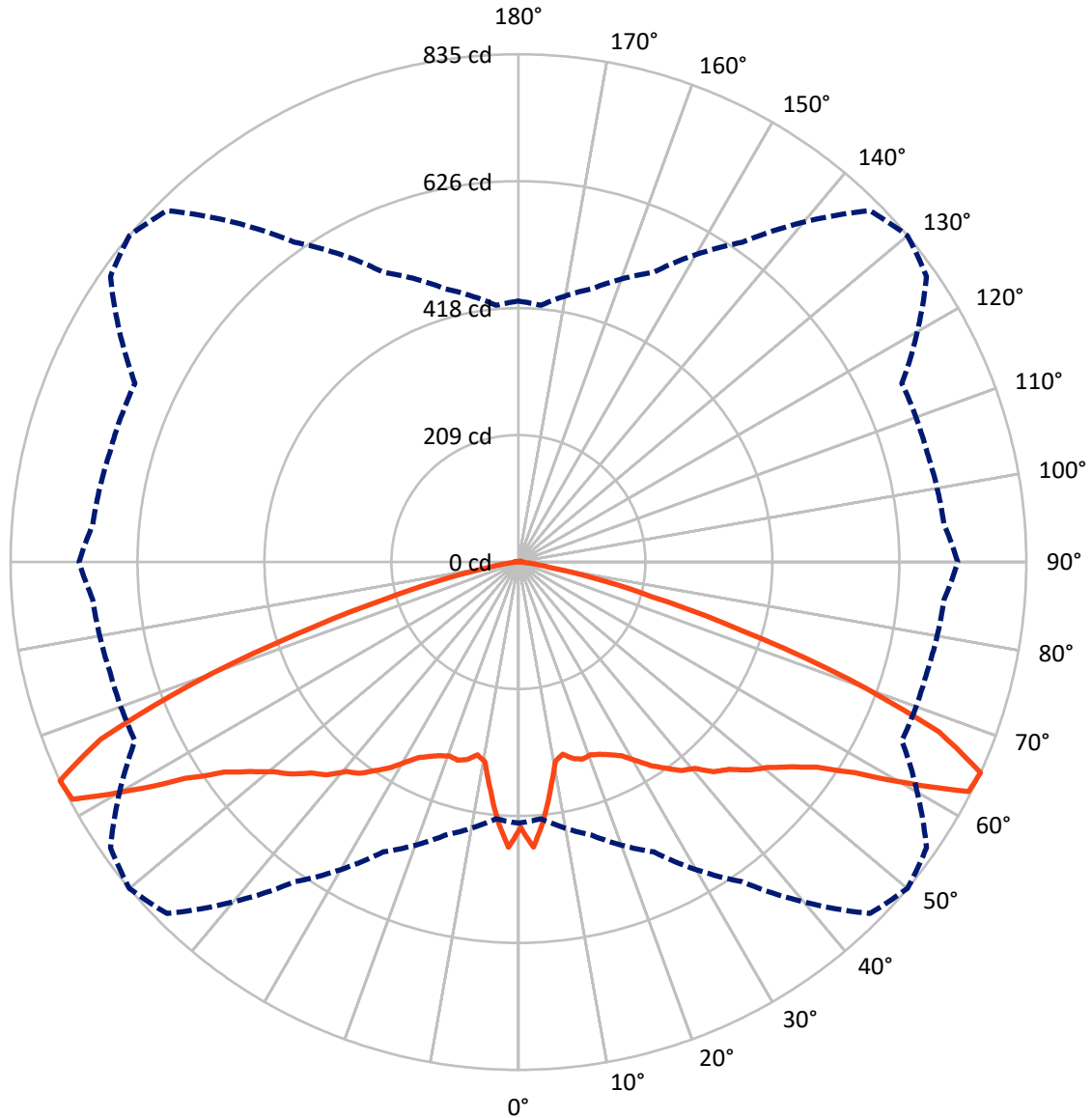
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 48.5 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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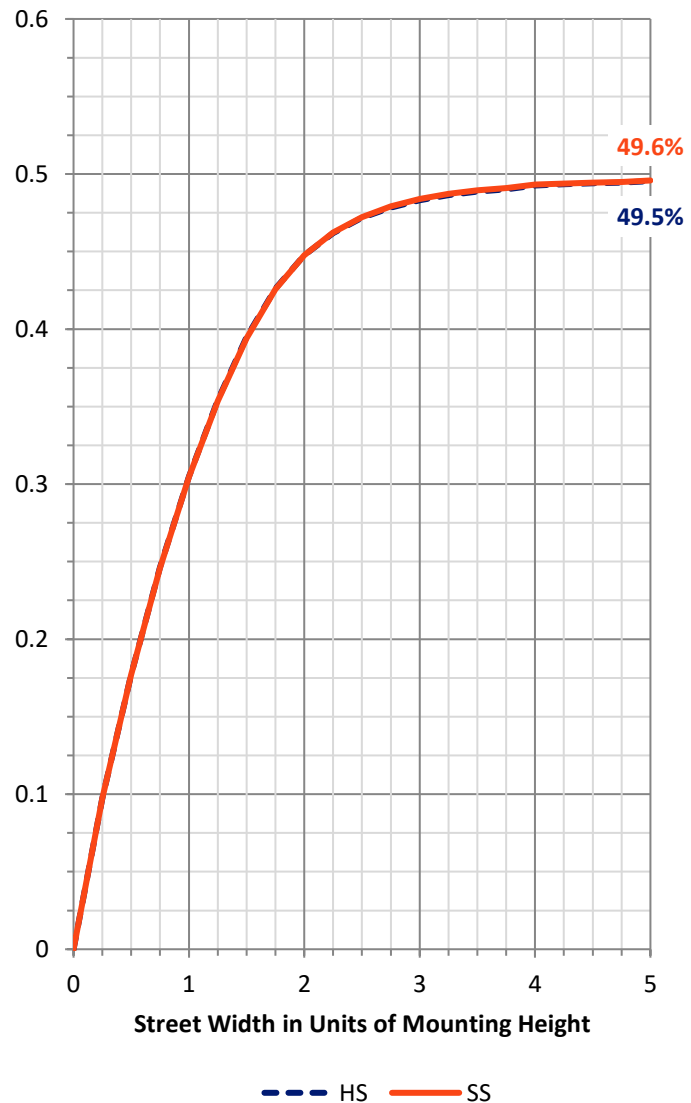
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1146.5	7.4	1153.9
	% Fixture	49.7	0.3	50.0
<b>Street Side</b>	Lumens	1146.5	7.4	1153.9
	% Fixture	49.7	0.3	50.0
<b>Total</b>	Lumens	2293.0	14.8	2307.8
	% Fixture	99.4	0.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.2	1.6
10°-20°	95.4	4.1
20°-30°	164.3	7.1
30°-40°	263.7	11.4
40°-50°	366.4	15.9
50°-60°	508.6	22.0
60°-70°	608.1	26.3
70°-80°	232.8	10.1
80°-90°	17.6	0.8
90°-100°	6.0	0.3
100°-110°	4.2	0.2
110°-120°	2.6	0.1
120°-130°	1.4	0.1
130°-140°	0.6	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°	2293.0	99.4
0°-180°	2307.8	100.0



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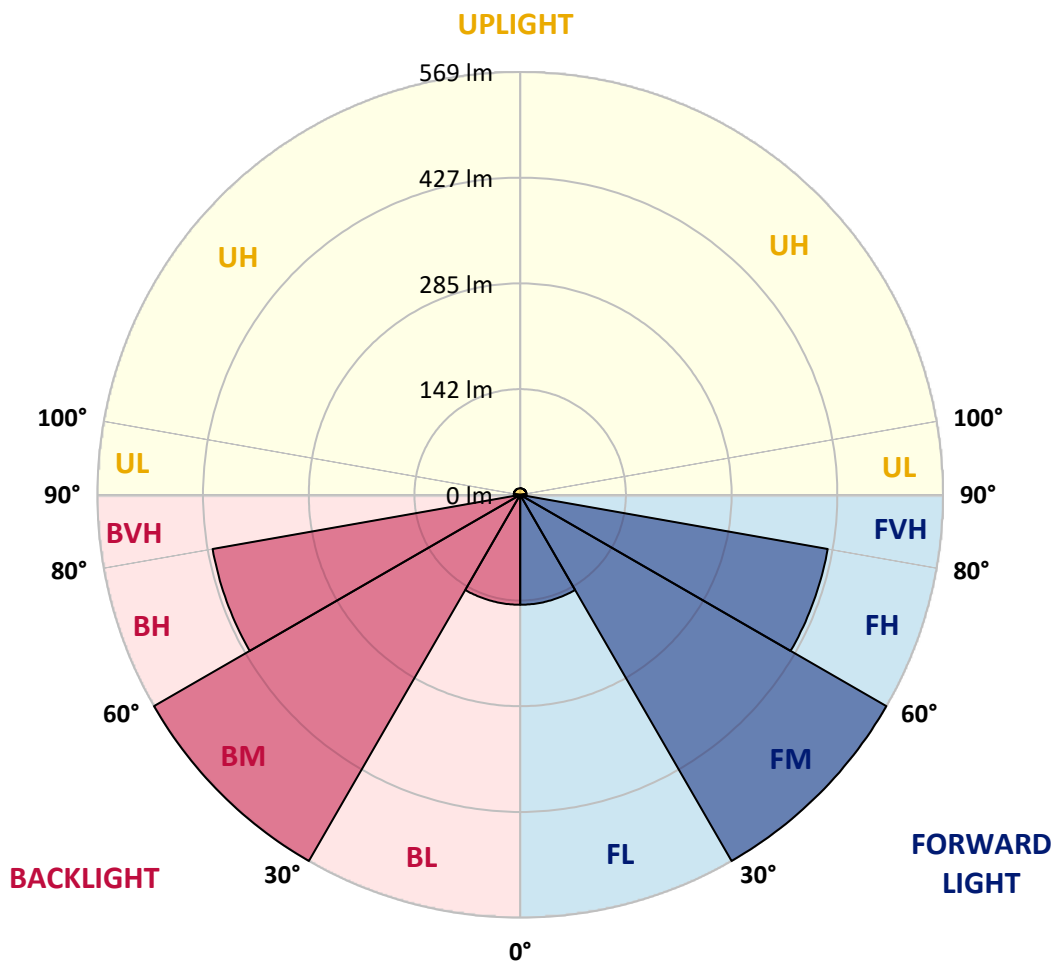
CATALOG NUMBER: 303-B2-LEDB4-2700-UNV-T4-DIM10-EDGE

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.9	6.4			
FM (30°-60°)	569.3	24.7			
FH (60°-80°)	420.4	18.2			G0/660
FVH (80°-90°)	8.8	0.4			G0/10
BL (0°-30°)	147.9	6.4	B1/500		
BM (30°-60°)	569.3	24.7	B1/1000		
BH (60°-80°)	420.4	18.2	B1/500		G1/500
BVH (80°-90°)	8.8	0.4			G0/10
UL (90°-100°)	6.0	0.3		U1/10	
UH (100°-180°)	8.8	0.4		U1/10	

**BUG Rating: B1-U1-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4
2.5°	448.9	438.1	438.1	438.1	432.8	427.4	422.9	418.5	422.0	425.6	469.4
5°	332.6	339.8	339.8	339.8	343.4	346.9	351.4	355.9	373.8	391.6	427.4
7.5°	282.6	277.2	280.8	284.3	286.1	287.9	296.0	304.0	323.7	343.4	377.8
10°	304.0	304.0	301.3	298.6	296.0	293.3	286.1	279.0	287.9	296.9	333.1
12.5°	298.6	296.9	297.8	298.6	298.6	298.6	299.5	300.4	305.8	311.2	324.1
15°	279.0	280.8	280.8	280.8	279.0	277.2	286.1	295.1	307.6	320.1	335.3
17.5°	277.2	270.0	274.5	279.0	279.9	280.8	280.8	280.8	300.4	320.1	340.7
20°	289.7	289.7	287.9	286.1	282.6	279.0	280.8	282.6	298.6	314.7	338.4
22.5°	298.6	291.5	292.4	293.3	295.1	296.9	294.2	291.5	306.7	321.9	343.4
25°	302.2	300.4	303.1	305.8	304.0	302.2	304.9	307.6	319.2	330.8	351.0
27.5°	311.2	311.2	312.1	313.0	314.7	316.5	319.2	321.9	330.8	339.8	360.8
30°	320.1	323.7	324.6	325.5	325.5	325.5	330.8	336.2	348.7	361.2	378.2
32.5°	336.2	338.0	339.8	341.6	345.1	348.7	350.5	352.3	363.9	375.5	398.8
35°	354.1	350.5	355.9	361.2	365.7	370.2	373.8	377.3	386.3	395.2	416.2
37.5°	363.0	361.2	367.5	373.8	381.8	389.9	395.2	400.6	408.6	416.7	435.0
40°	380.9	370.2	378.2	386.3	396.1	405.9	415.8	425.6	429.2	432.8	446.2
42.5°	391.6	379.1	389.9	400.6	409.5	418.5	431.0	443.5	454.2	465.0	471.2
45°	395.2	395.2	404.2	413.1	422.9	432.8	445.3	457.8	469.4	481.1	486.0
47.5°	420.3	409.5	418.5	427.4	434.6	441.7	458.7	475.7	490.0	504.3	511.0
50°	429.2	429.2	434.6	439.9	449.8	459.6	479.3	498.9	515.9	532.9	530.7
52.5°	454.2	454.2	457.8	461.4	476.6	491.8	507.0	522.2	543.6	565.1	559.3
55°	488.2	484.6	492.7	500.7	507.0	513.2	536.5	559.7	575.8	591.9	595.1
57.5°	536.5	516.8	524.0	531.1	549.9	568.7	587.5	606.2	631.3	656.3	653.2
60°	531.1	527.6	539.2	550.8	577.6	604.5	646.5	688.5	717.1	745.7	739.9
62.5°	507.9	490.0	513.2	536.5	563.3	590.1	646.5	702.8	760.9	819.1	830.7
65°	429.2	423.8	444.4	465.0	495.4	525.8	583.9	642.0	729.6	817.3	835.1
67.5°	380.9	377.3	391.6	405.9	428.3	450.7	498.9	547.2	632.2	717.1	746.2
70°	304.0	307.6	322.8	338.0	357.7	377.3	405.1	432.8	487.3	541.9	574.9
72.5°	214.6	216.4	229.8	243.2	263.8	284.3	302.2	320.1	338.9	357.7	381.4
75°	134.1	130.5	139.5	148.4	152.9	157.4	172.6	187.8	209.2	230.7	225.8
77.5°	59.0	60.8	65.3	69.7	79.6	89.4	93.9	98.4	110.9	123.4	124.7
80°	37.6	35.8	37.6	39.3	42.0	44.7	47.4	50.1	51.9	53.6	50.5
82.5°	21.5	19.7	20.6	21.5	22.4	23.2	24.1	25.0	26.8	28.6	25.5
85°	14.3	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11.6	10.7	10.3
87.5°	10.7	10.7	10.7	10.7	10.7	10.7	9.8	8.9	8.0	7.2	6.7
90°	10.7	10.7	10.7	10.7	9.8	8.9	8.9	8.9	8.0	7.2	5.8
92.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.0	7.2	7.2	7.2	5.8
95°	8.9	8.9	8.9	8.9	8.9	8.9	8.0	7.2	6.3	5.4	5.4
97.5°	8.9	8.9	8.9	8.9	8.0	7.2	7.2	7.2	6.3	5.4	5.4
100°	7.2	7.2	7.2	7.2	7.2	7.2	6.3	5.4	5.4	5.4	4.9
102.5°	7.2	7.2	7.2	7.2	7.2	7.2	6.3	5.4	5.4	5.4	4.0
105°	7.2	7.2	7.2	7.2	6.3	5.4	5.4	5.4	4.5	3.6	3.6
107.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	4.5	3.6	3.6
110°	5.4	5.4	5.4	5.4	5.4	5.4	4.5	3.6	3.6	3.6	3.6



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CATALOG NUMBER: 303-B2-LEDB4-2700-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	5.4	5.4	5.4	5.4	4.5	3.6	3.6	3.6	3.6	3.6	3.1
115°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.2
117.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8
120°	3.6	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8
122.5°	3.6	3.6	3.6	3.6	2.7	1.8	1.8	1.8	1.8	1.8	1.8
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.4
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	436.4	436.4	436.4	436.4	436.4	436.4	436.4	436.4
2.5°	507.9	515.0	522.2	482.8	443.5	439.0	434.6	432.8
5°	456.0	443.5	431.0	458.7	486.4	461.4	436.4	436.4
7.5°	405.9	415.8	425.6	436.4	447.1	442.6	438.1	425.6
10°	366.6	388.1	409.5	422.9	436.4	432.8	429.2	425.6
12.5°	343.4	368.4	393.4	410.4	427.4	427.4	427.4	422.0
15°	341.6	354.1	366.6	391.6	416.7	421.1	425.6	422.0
17.5°	359.5	361.2	363.0	387.2	411.3	417.6	423.8	418.5
20°	359.5	364.8	370.2	387.2	404.2	410.4	416.7	414.9
22.5°	363.0	375.5	388.1	393.4	398.8	410.4	422.0	411.3
25°	368.4	384.5	400.6	405.1	409.5	420.3	431.0	429.2
27.5°	380.9	399.7	418.5	424.7	431.0	439.0	447.1	450.7
30°	393.4	418.5	443.5	449.8	456.0	466.8	477.5	475.7
32.5°	418.5	435.5	452.4	470.3	488.2	497.2	506.1	504.3
35°	429.2	452.4	475.7	489.1	502.5	515.9	529.3	525.8
37.5°	452.4	462.3	472.1	491.8	511.5	526.7	541.9	536.5
40°	456.0	466.8	477.5	496.3	515.0	531.1	547.2	554.4
42.5°	473.9	479.3	484.6	498.9	513.2	534.7	556.2	561.5
45°	488.2	487.3	486.4	499.8	513.2	539.2	565.1	568.7
47.5°	511.5	503.4	495.4	507.9	520.4	543.6	566.9	579.4
50°	531.1	519.5	507.9	519.5	531.1	556.2	581.2	608.0
52.5°	556.2	547.2	538.3	544.5	550.8	581.2	611.6	622.3
55°	600.9	574.9	549.0	560.6	572.3	603.6	634.9	650.9
57.5°	638.4	618.8	599.1	602.7	606.2	632.2	658.1	686.7
60°	727.8	693.9	659.9	659.0	658.1	679.6	701.0	729.6
62.5°	822.6	769.9	717.1	711.8	706.4	724.3	742.2	747.5
65°	819.1	757.4	695.7	695.7	695.7	699.2	702.8	722.5
67.5°	740.4	692.1	643.8	634.0	624.1	625.0	625.9	608.0
70°	608.0	566.9	525.8	527.6	529.3	523.1	516.8	490.0
72.5°	405.9	392.5	379.1	390.7	402.4	398.8	395.2	379.1
75°	221.8	223.5	225.3	241.4	257.5	253.9	250.4	225.3
77.5°	121.6	117.1	112.7	113.6	114.5	108.2	101.9	89.4
80°	48.3	49.2	50.1	48.3	46.5	40.2	34.0	28.6
82.5°	23.2	22.4	21.5	22.4	23.2	18.8	14.3	14.3
85°	8.9	9.8	10.7	8.9	7.2	6.3	5.4	7.2
87.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
90°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
92.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
95°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
97.5°	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
100°	3.6	3.6	3.6	2.7	1.8	0.9	0.0	0.0
102.5°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
105°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
107.5°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0
110°	3.6	2.7	1.8	1.8	1.8	0.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
117.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
127.5°	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.8	0.9	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)