

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: P394715

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394715  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B1-LEDB1-3000-UNV-T2-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 621.2 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')  
IES Classification: Type II - Short  
BUG Rating: B0 - U1 - G0

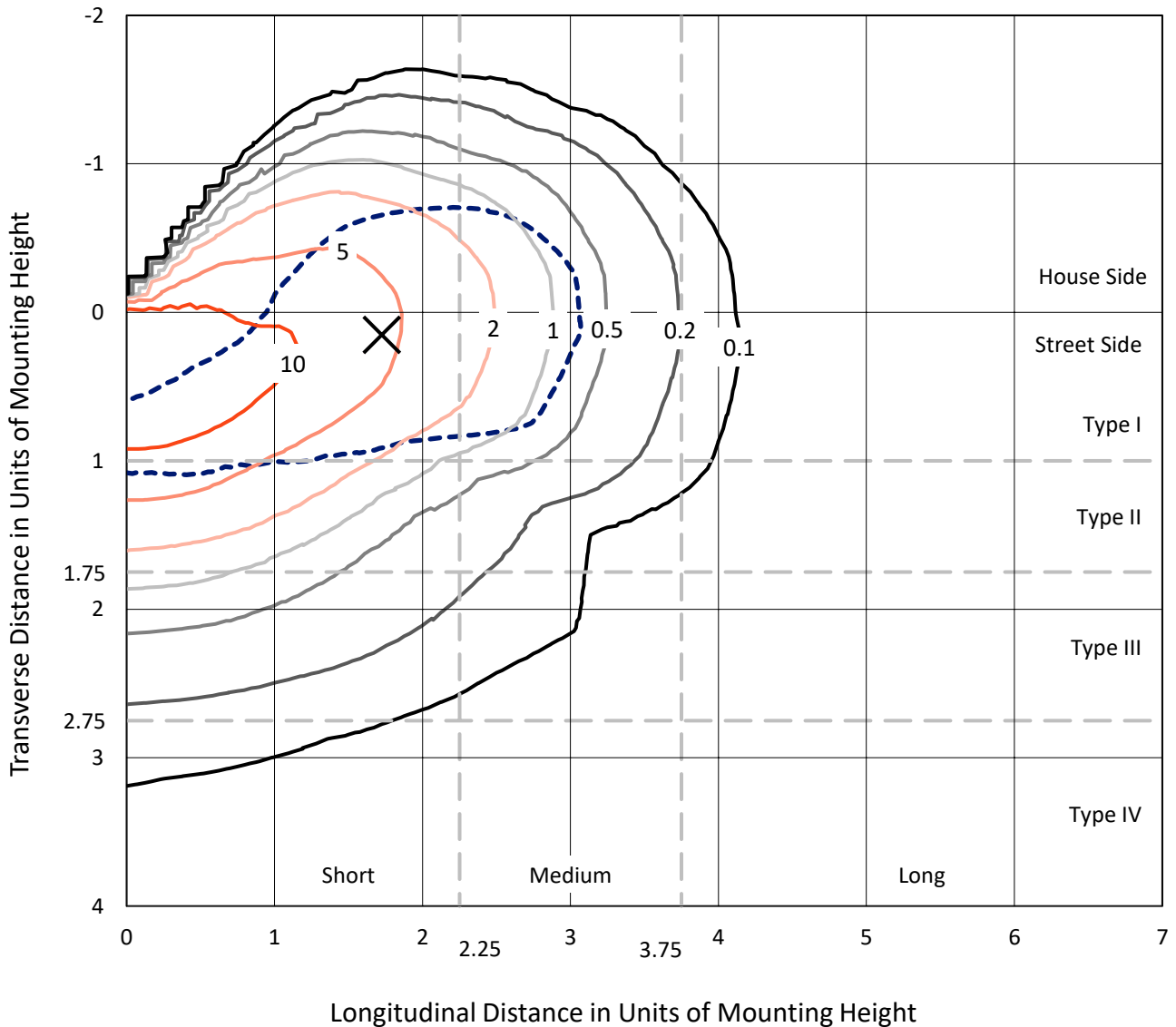
Input Watts (W): 8.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

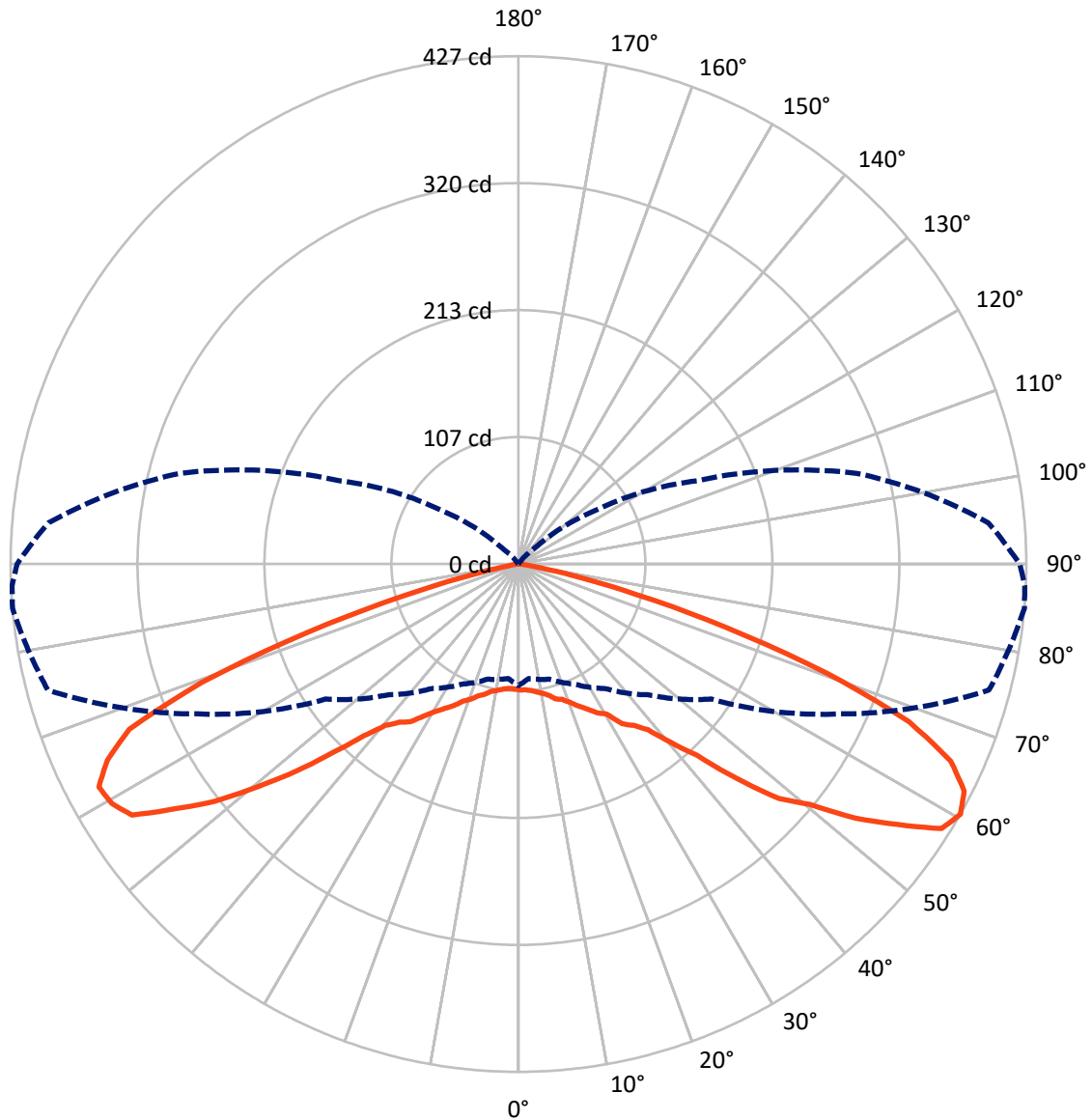
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 16.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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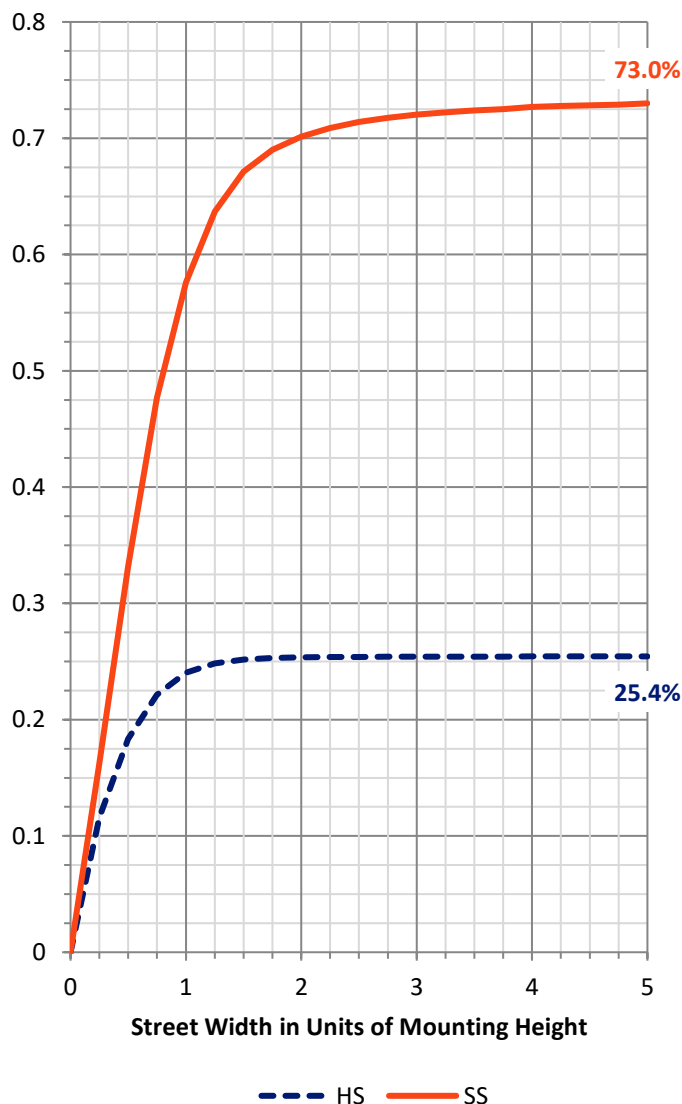
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	159.2	0.0	159.2
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	455.4	6.7	462.1
	% Fixture	73.3	1.1	74.4
<b>Total</b>	Lumens	614.6	6.7	621.2
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.8	1.4
10°-20°	25.9	4.2
20°-30°	50.3	8.1
30°-40°	85.1	13.7
40°-50°	123.0	19.8
50°-60°	154.1	24.8
60°-70°	121.8	19.6
70°-80°	39.9	6.4
80°-90°	5.8	0.9
90°-100°	2.7	0.4
100°-110°	1.8	0.3
110°-120°	1.1	0.2
120°-130°	0.6	0.1
130°-140°	0.3	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	614.6	98.9
0°-180°	621.2	100.0

**Coefficient of Utilization**



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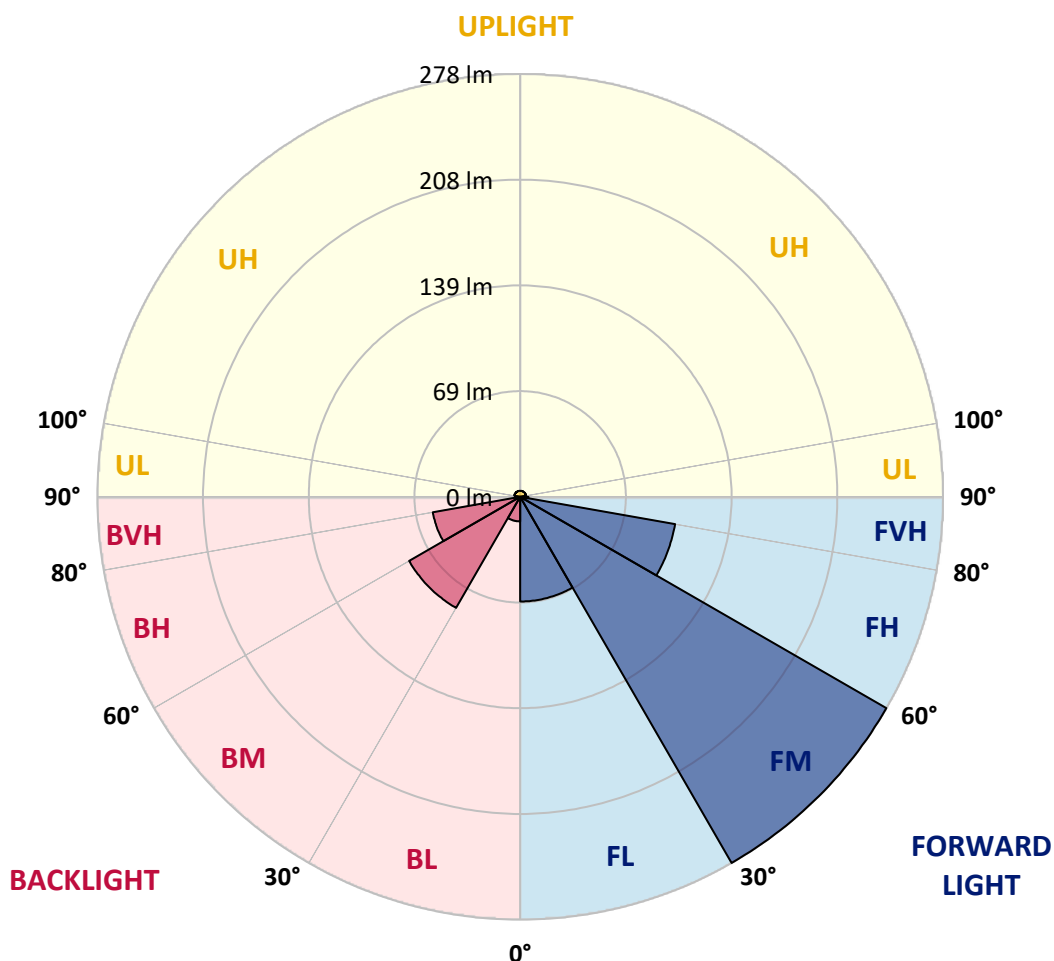
CATALOG NUMBER: 303-B1-LEDB1-3000-UNV-T2-DIM10-EDGE

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	68.8	11.1			
FM (30°-60°)	277.9	44.7			
FH (60°-80°)	103.4	16.6			G0/660
FVH (80°-90°)	5.4	0.9			G0/10
BL (0°-30°)	16.2	2.6	B0/110		
BM (30°-60°)	84.3	13.6	B0/220		
BH (60°-80°)	58.3	9.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.1			G0/10
UL (90°-100°)	2.7	0.4		U1/10	
UH (100°-180°)	4.0	0.6		U1/10	

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

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
2.5°	164.6	162.8	160.0	157.3	153.6	149.0	140.7	126.0	112.2	105.8	105.8
5°	158.2	160.9	163.7	166.5	169.2	164.6	157.3	141.6	126.9	106.7	105.8
7.5°	154.5	159.1	155.4	154.5	150.8	148.1	154.5	142.6	128.8	108.5	107.6
10°	157.3	159.1	160.0	158.2	158.2	150.8	141.6	142.6	128.8	110.4	108.5
12.5°	150.8	151.8	154.5	154.5	155.4	156.4	148.1	135.2	132.4	113.1	110.4
15°	152.7	154.5	151.8	154.5	152.7	153.6	153.6	134.3	132.4	117.7	112.2
17.5°	156.4	160.0	161.9	159.1	153.6	152.7	155.4	145.3	131.5	119.6	117.7
20°	171.1	171.1	172.0	170.1	167.4	159.1	155.4	151.8	134.3	124.2	123.2
22.5°	180.3	180.3	182.1	180.3	177.5	174.7	161.9	155.4	134.3	129.7	126.9
25°	191.3	191.3	193.1	194.1	187.6	184.9	175.7	162.8	147.2	135.2	133.4
27.5°	203.3	204.2	205.1	206.0	205.1	202.3	189.5	175.7	153.6	141.6	139.8
30°	214.3	213.4	219.8	218.9	218.9	214.3	206.0	188.5	164.6	146.2	147.2
32.5°	218.9	221.6	226.2	230.8	232.7	229.0	222.6	206.9	179.3	160.0	151.8
35°	226.2	223.5	234.5	238.2	236.4	241.0	237.3	220.7	195.0	166.5	163.7
37.5°	227.2	229.9	234.5	241.9	238.2	251.1	250.2	234.5	210.6	176.6	172.0
40°	228.1	229.0	235.4	240.0	249.2	257.5	264.0	250.2	232.7	196.8	185.8
42.5°	226.2	226.2	232.7	237.3	246.5	260.3	269.5	271.3	255.7	219.8	207.9
45°	221.6	224.4	225.3	230.8	241.9	261.2	275.9	286.0	282.4	256.6	241.9
47.5°	212.5	210.6	217.1	227.2	235.4	254.8	277.8	301.7	314.5	294.3	283.3
50°	199.6	201.4	205.1	214.3	219.8	244.6	276.8	315.5	344.9	317.3	311.8
52.5°	183.0	184.9	189.5	200.5	206.0	233.6	276.8	336.6	377.1	355.0	345.8
55°	163.7	152.7	163.7	176.6	188.5	211.5	265.8	337.5	402.8	386.3	380.8
57.5°	125.1	123.2	127.8	145.3	162.8	185.8	240.0	326.5	414.8	419.4	411.1
60°	102.1	96.6	100.2	111.3	127.8	155.4	197.7	298.0	409.3	426.7	425.8
62.5°	78.2	78.2	81.9	84.6	95.6	120.5	156.4	247.4	379.8	420.3	424.0
65°	61.6	60.7	63.5	67.1	72.7	81.9	110.4	195.0	341.2	399.2	404.7
67.5°	46.9	46.9	48.7	52.4	57.0	60.7	71.7	133.4	298.9	354.1	361.4
70°	37.7	36.8	37.7	42.3	50.6	55.2	55.2	85.5	237.3	275.0	290.6
72.5°	34.0	32.2	32.2	33.1	39.5	50.6	57.9	52.4	149.0	182.1	192.2
75°	26.7	24.8	25.8	26.7	30.4	35.9	51.5	34.0	82.8	102.1	106.7
77.5°	17.5	17.5	17.5	17.5	19.3	23.0	37.7	31.3	47.8	46.0	44.1
80°	13.8	13.8	13.8	13.8	12.9	14.7	20.2	34.0	32.2	12.9	10.1
82.5°	12.0	12.0	12.0	11.0	11.0	10.1	12.0	23.9	20.2	6.4	5.5
85°	10.1	10.1	10.1	10.1	9.2	8.3	7.4	9.2	6.4	2.8	1.8
87.5°	9.2	9.2	9.2	8.3	8.3	6.4	5.5	3.7	2.8	0.9	0.9
90°	9.2	8.3	8.3	8.3	7.4	6.4	4.6	3.7	1.8	0.9	0.0
92.5°	8.3	8.3	8.3	7.4	7.4	5.5	4.6	3.7	1.8	0.0	0.0
95°	8.3	8.3	7.4	7.4	6.4	5.5	4.6	2.8	1.8	0.0	0.0
97.5°	7.4	7.4	7.4	7.4	6.4	5.5	4.6	2.8	1.8	0.0	0.0
100°	6.4	6.4	6.4	6.4	5.5	4.6	3.7	2.8	1.8	0.0	0.0
102.5°	6.4	6.4	6.4	5.5	5.5	4.6	3.7	2.8	0.9	0.0	0.0
105°	5.5	5.5	5.5	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
107.5°	4.6	4.6	4.6	4.6	4.6	3.7	2.8	1.8	0.9	0.0	0.0
110°	4.6	4.6	4.6	4.6	3.7	2.8	2.8	1.8	0.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	3.7	3.7	3.7	3.7	3.7	2.8	1.8	1.8	0.9	0.0	0.0
115°	3.7	3.7	3.7	2.8	2.8	2.8	1.8	1.8	0.9	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.9	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.9	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
130°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.9	0.9	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°	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8	105.8
2.5°	104.8	104.8	103.9	97.5	62.5	48.7	45.1	42.3	40.5	35.9	35.9
5°	102.1	104.8	90.1	59.8	36.8	14.7	0.9	0.0	0.0	0.0	0.0
7.5°	104.8	105.8	83.7	57.0	33.1	13.8	0.9	0.0	0.0	0.0	0.0
10°	108.5	107.6	85.5	57.9	34.9	13.8	0.9	0.0	0.0	0.0	0.0
12.5°	108.5	109.4	86.5	57.9	37.7	13.8	0.9	0.0	0.0	0.0	0.0
15°	114.0	113.1	88.3	58.9	38.6	13.8	0.9	0.0	0.0	0.0	0.0
17.5°	117.7	115.9	91.1	60.7	38.6	13.8	0.9	0.0	0.0	0.0	0.0
20°	121.4	120.5	90.1	63.5	39.5	14.7	0.9	0.0	0.0	0.0	0.0
22.5°	126.9	124.2	95.6	65.3	41.4	14.7	0.9	0.0	0.0	0.0	0.0
25°	131.5	130.6	97.5	68.1	40.5	15.6	0.9	0.0	0.0	0.0	0.0
27.5°	135.2	136.1	106.7	71.7	47.8	16.6	0.0	0.0	0.0	0.0	0.0
30°	144.4	142.6	113.1	75.4	50.6	17.5	0.0	0.0	0.0	0.0	0.0
32.5°	151.8	150.8	118.6	80.9	54.3	18.4	0.0	0.0	0.0	0.0	0.0
35°	161.9	160.9	126.9	85.5	57.9	18.4	0.0	0.0	0.0	0.0	0.0
37.5°	169.2	166.5	133.4	92.0	61.6	20.2	0.0	0.0	0.0	0.0	0.0
40°	182.1	175.7	139.8	95.6	55.2	11.0	0.0	0.0	0.0	0.0	0.0
42.5°	203.3	194.1	149.0	101.2	67.1	21.2	0.0	0.0	0.0	0.0	0.0
45°	229.0	221.6	161.9	106.7	59.8	22.1	0.0	0.0	0.0	0.0	0.0
47.5°	264.9	254.8	179.3	111.3	70.8	22.1	0.0	0.0	0.0	0.0	0.0
50°	304.4	287.9	206.9	119.6	74.5	21.2	0.0	0.0	0.0	0.0	0.0
52.5°	340.3	323.7	238.2	136.1	78.2	20.2	0.0	0.0	0.0	0.0	0.0
55°	371.6	354.1	269.5	149.0	79.1	19.3	0.0	0.0	0.0	0.0	0.0
57.5°	399.2	387.2	293.4	168.3	80.9	17.5	0.0	0.0	0.0	0.0	0.0
60°	421.2	396.4	294.3	165.5	77.3	16.6	0.0	0.0	0.0	0.0	0.0
62.5°	423.1	399.2	286.9	152.7	68.1	13.8	0.0	0.0	0.0	0.0	0.0
65°	395.5	382.6	269.5	128.8	53.3	10.1	0.0	0.0	0.0	0.0	0.0
67.5°	364.2	355.0	241.0	101.2	37.7	7.4	0.0	0.0	0.0	0.0	0.0
70°	291.5	283.3	192.2	70.8	22.1	3.7	0.0	0.0	0.0	0.0	0.0
72.5°	187.6	185.8	120.5	40.5	10.1	1.8	0.0	0.0	0.0	0.0	0.0
75°	103.0	99.3	55.2	17.5	4.6	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	38.6	35.9	19.3	7.4	2.8	0.9	0.0	0.0	0.0	0.0	0.0
80°	10.1	9.2	7.4	4.6	1.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.6	4.6	3.7	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	1.8	0.9	0.9	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-LEDB1-3000-UNV-T2-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)