

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: P394751

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394751  
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-LEDB1-3000-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 555.8 lumens  
Efficiency: N/A  
Efficacy: 67.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')  
IES Classification: Type I - Short  
BUG Rating: B0 - U1 - G0

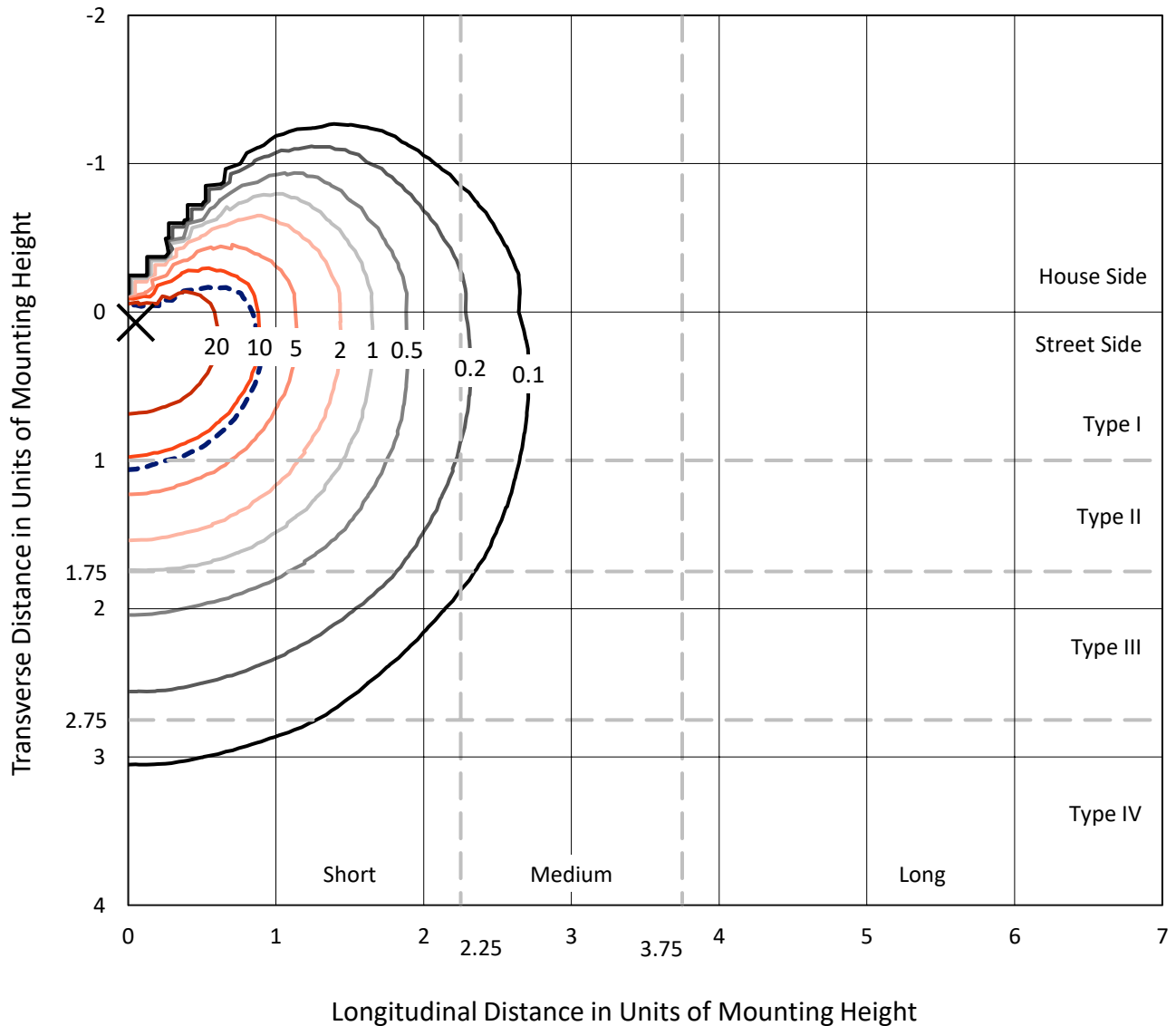
Input Watts (W): 8.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

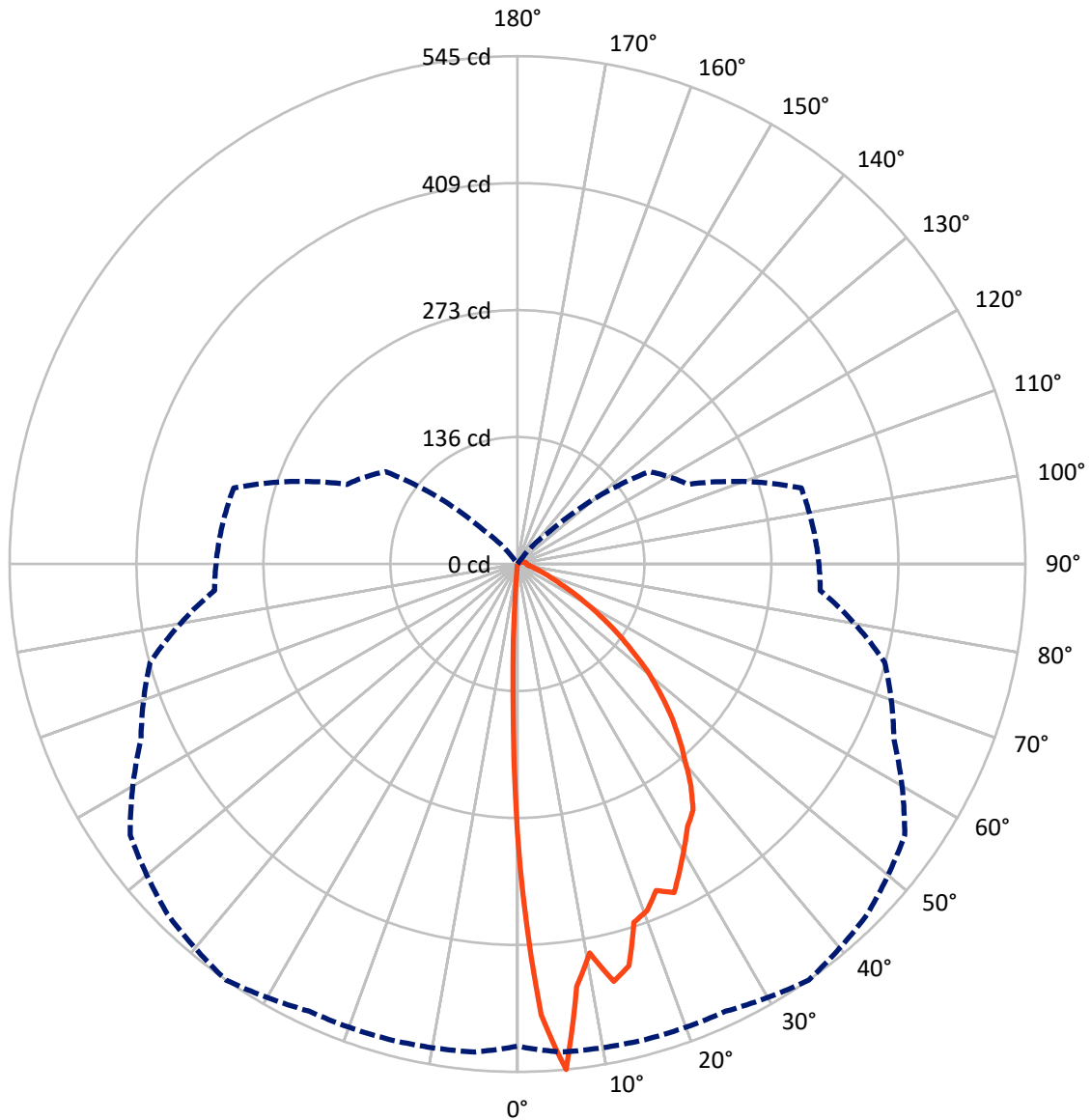
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 48.1 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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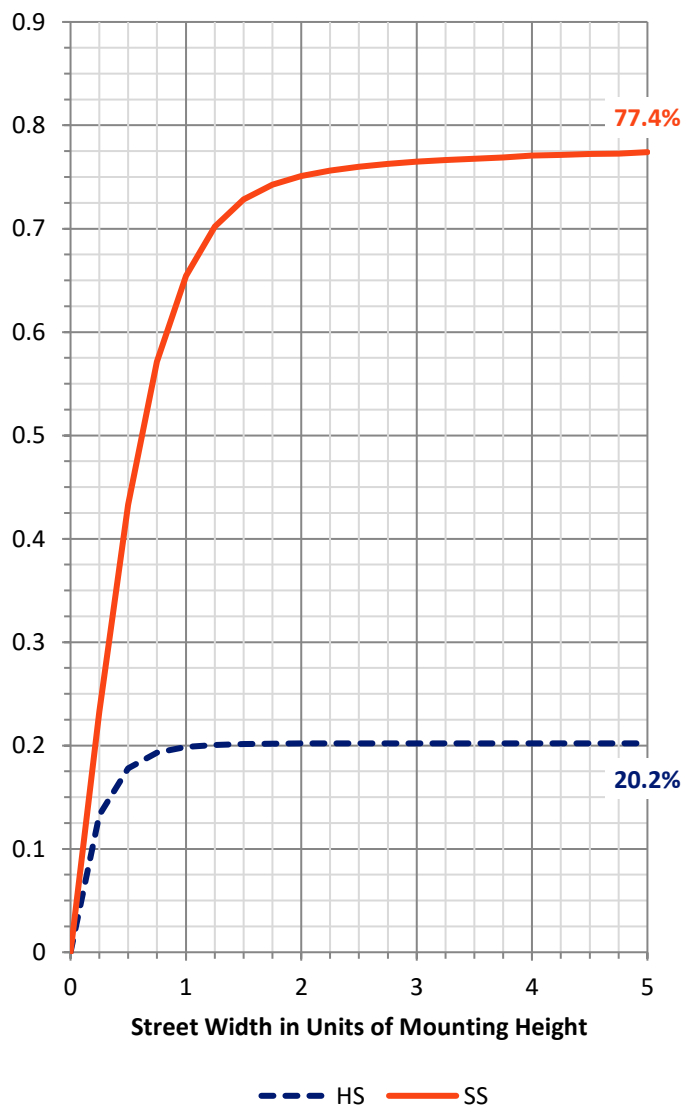
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	113.5	0.0	113.5
	% Fixture	20.4	0.0	20.4
<b>Street Side</b>	Lumens	432.3	10.0	442.3
	% Fixture	77.8	1.8	79.6
<b>Total</b>	Lumens	545.8	10.0	555.8
	% Fixture	98.2	1.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.3	4.9
10°-20°	71.4	12.8
20°-30°	106.0	19.1
30°-40°	120.2	21.6
40°-50°	107.5	19.3
50°-60°	68.3	12.3
60°-70°	28.4	5.1
70°-80°	11.7	2.1
80°-90°	5.0	0.9
90°-100°	3.8	0.7
100°-110°	2.8	0.5
110°-120°	1.7	0.3
120°-130°	1.0	0.2
130°-140°	0.5	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	545.8	98.2
0°-180°	555.8	100.0

**Coefficient of Utilization**



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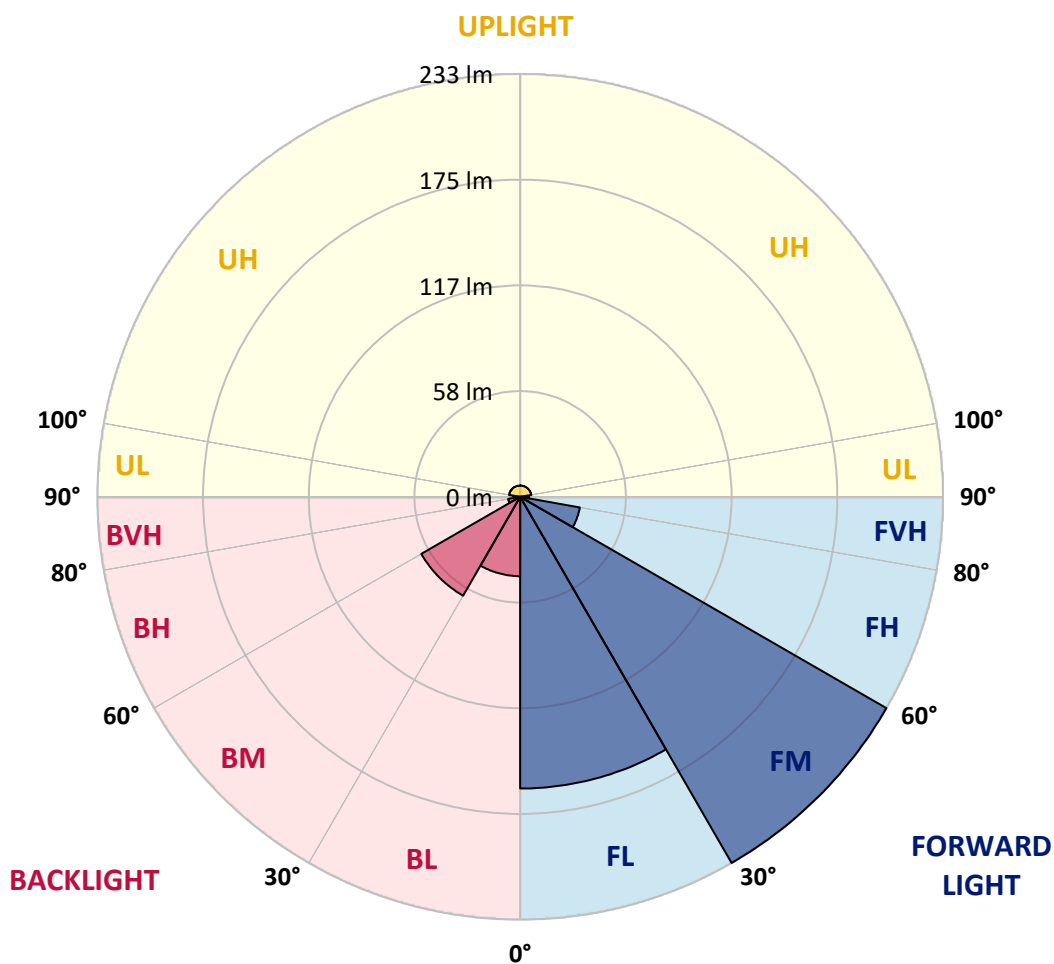
CATALOG NUMBER: 303-B1-LEDB1-3000-UNV-T5X-DIM10-EDGE

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.8	28.9			
FM (30°-60°)	233.1	41.9			
FH (60°-80°)	33.4	6.0			G0/660
FVH (80°-90°)	4.9	0.9			G0/10
BL (0°-30°)	43.8	7.9	B0/110		
BM (30°-60°)	63.0	11.3	B0/220		
BH (60°-80°)	6.7	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	3.8	0.7		U1/10	
UH (100°-180°)	6.2	1.1		U1/10	

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

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	526.1	519.6	495.7	504.0	484.7	481.0	468.1	436.9	344.0	330.2	320.1
5°	517.8	526.1	528.8	529.8	545.4	531.6	507.7	446.1	408.4	326.5	323.7
7.5°	430.4	441.5	432.3	435.9	458.0	482.8	470.9	451.6	401.0	330.2	316.4
10°	463.5	467.2	456.2	437.8	424.9	405.6	424.9	438.7	393.6	318.2	314.5
12.5°	455.3	470.0	464.5	477.3	459.9	402.8	380.8	404.7	387.2	320.1	312.7
15°	412.0	417.5	416.6	431.3	447.9	441.5	394.6	356.8	376.2	319.1	307.2
17.5°	398.2	404.7	401.0	403.8	404.7	427.7	411.1	350.4	370.6	318.2	306.3
20°	402.8	403.8	396.4	398.2	397.3	397.3	403.8	353.2	354.1	313.6	298.9
22.5°	396.4	396.4	397.3	404.7	380.8	379.8	383.5	374.3	332.0	308.1	300.7
25°	382.6	384.4	381.7	390.9	390.9	372.5	358.7	367.0	316.4	306.3	298.9
27.5°	366.0	372.5	366.0	371.6	371.6	369.7	346.7	355.0	310.9	298.0	287.9
30°	350.4	354.1	350.4	355.9	353.2	356.8	335.7	333.9	300.7	284.2	277.8
32.5°	333.9	335.7	332.9	336.6	335.7	331.1	322.8	315.5	296.1	280.5	270.4
35°	315.5	321.0	308.1	320.1	324.7	314.5	305.3	296.1	282.4	251.1	254.8
37.5°	298.0	297.1	293.4	298.9	302.6	295.2	284.2	276.8	264.0	241.9	239.1
40°	279.6	281.4	275.9	275.9	276.8	274.1	262.1	256.6	248.3	222.6	221.6
42.5°	263.0	259.4	253.8	253.8	253.8	248.3	241.9	236.4	227.2	206.9	204.2
45°	239.1	235.4	229.0	231.8	230.8	225.3	221.6	216.1	206.0	190.4	183.0
47.5°	213.4	215.2	207.9	211.5	205.1	203.3	196.8	188.5	182.1	168.3	162.8
50°	187.6	187.6	179.3	182.1	181.2	178.4	170.1	165.5	159.1	146.2	144.4
52.5°	160.0	160.9	155.4	158.2	152.7	151.8	145.3	141.6	131.5	119.6	121.4
55°	132.4	134.3	129.7	131.5	128.8	126.9	120.5	115.0	107.6	98.4	94.7
57.5°	104.8	104.8	105.8	106.7	104.8	104.8	96.6	92.9	82.8	76.3	72.7
60°	71.7	73.6	77.3	84.6	82.8	81.9	77.3	70.8	64.4	56.1	55.2
62.5°	58.9	58.9	57.9	59.8	65.3	64.4	58.9	55.2	48.7	41.4	40.5
65°	47.8	47.8	46.9	48.7	48.7	49.7	46.0	41.4	36.8	33.1	31.3
67.5°	40.5	40.5	39.5	38.6	38.6	39.5	35.9	33.1	30.4	26.7	24.8
70°	33.1	34.0	33.1	33.1	31.3	29.4	29.4	26.7	23.9	21.2	18.4
72.5°	28.5	28.5	27.6	27.6	24.8	23.9	23.0	21.2	18.4	15.6	13.8
75°	23.9	23.9	23.0	22.1	20.2	19.3	17.5	16.6	13.8	11.0	10.1
77.5°	20.2	20.2	19.3	19.3	17.5	15.6	12.9	12.0	10.1	7.4	6.4
80°	17.5	17.5	16.6	16.6	14.7	12.9	10.1	8.3	7.4	4.6	3.7
82.5°	15.6	15.6	14.7	13.8	12.0	11.0	8.3	6.4	4.6	1.8	0.9
85°	14.7	13.8	13.8	12.9	11.0	9.2	7.4	5.5	2.8	0.9	0.0
87.5°	12.9	12.9	12.9	12.0	10.1	9.2	6.4	4.6	1.8	0.0	0.0
90°	12.9	12.9	12.0	11.0	10.1	8.3	6.4	4.6	1.8	0.0	0.0
92.5°	12.0	12.0	12.0	11.0	10.1	8.3	6.4	4.6	1.8	0.0	0.0
95°	12.0	12.0	11.0	11.0	9.2	8.3	6.4	4.6	1.8	0.0	0.0
97.5°	11.0	11.0	10.1	10.1	9.2	7.4	5.5	3.7	1.8	0.0	0.0
100°	10.1	10.1	10.1	9.2	8.3	7.4	5.5	3.7	1.8	0.0	0.0
102.5°	9.2	9.2	9.2	8.3	7.4	6.4	4.6	3.7	1.8	0.0	0.0
105°	8.3	8.3	8.3	8.3	7.4	6.4	4.6	3.7	1.8	0.0	0.0
107.5°	8.3	8.3	7.4	7.4	6.4	5.5	4.6	2.8	1.8	0.0	0.0
110°	7.4	7.4	7.4	6.4	5.5	4.6	3.7	2.8	0.9	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.4	6.4	6.4	5.5	5.5	4.6	3.7	2.8	0.9	0.0	0.0
115°	5.5	5.5	5.5	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
117.5°	5.5	5.5	4.6	4.6	3.7	3.7	2.8	1.8	0.9	0.0	0.0
120°	4.6	4.6	4.6	3.7	3.7	2.8	2.8	1.8	0.9	0.0	0.0
122.5°	3.7	3.7	3.7	3.7	2.8	2.8	1.8	1.8	0.9	0.0	0.0
125°	3.7	3.7	3.7	2.8	2.8	2.8	1.8	0.9	0.9	0.0	0.0
127.5°	2.8	2.8	2.8	2.8	2.8	1.8	1.8	0.9	0.9	0.0	0.0
130°	2.8	2.8	2.8	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
137.5°	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
147.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	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°	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6	325.6
2.5°	317.3	322.8	322.8	302.6	157.3	135.2	136.1	135.2	131.5	132.4
5°	321.0	315.5	202.3	172.9	50.6	0.0	0.0	0.0	0.0	0.0
7.5°	317.3	272.2	183.0	138.0	51.5	0.0	0.0	0.0	0.0	0.0
10°	313.6	268.6	181.2	136.1	50.6	0.0	0.0	0.0	0.0	0.0
12.5°	311.8	270.4	181.2	135.2	50.6	0.0	0.0	0.0	0.0	0.0
15°	314.5	269.5	182.1	135.2	48.7	0.0	0.0	0.0	0.0	0.0
17.5°	308.1	268.6	183.0	133.4	48.7	0.0	0.0	0.0	0.0	0.0
20°	309.0	264.0	183.0	130.6	46.0	0.0	0.0	0.0	0.0	0.0
22.5°	300.7	261.2	181.2	127.8	46.0	0.0	0.0	0.0	0.0	0.0
25°	294.3	247.4	177.5	123.2	44.1	0.0	0.0	0.0	0.0	0.0
27.5°	286.9	241.0	172.9	117.7	43.2	0.0	0.0	0.0	0.0	0.0
30°	276.8	229.0	164.6	111.3	41.4	0.0	0.0	0.0	0.0	0.0
32.5°	265.8	229.9	157.3	110.4	38.6	0.0	0.0	0.0	0.0	0.0
35°	260.3	210.6	147.2	104.8	36.8	0.0	0.0	0.0	0.0	0.0
37.5°	239.1	202.3	138.0	96.6	28.5	0.0	0.0	0.0	0.0	0.0
40°	220.7	180.3	131.5	75.4	17.5	0.0	0.0	0.0	0.0	0.0
42.5°	203.3	170.1	120.5	80.0	29.4	0.0	0.0	0.0	0.0	0.0
45°	184.9	152.7	107.6	62.5	25.8	0.0	0.0	0.0	0.0	0.0
47.5°	169.2	138.9	94.7	65.3	23.0	0.0	0.0	0.0	0.0	0.0
50°	142.6	116.8	81.9	55.2	19.3	0.0	0.0	0.0	0.0	0.0
52.5°	122.3	98.4	69.0	46.9	16.6	0.0	0.0	0.0	0.0	0.0
55°	95.6	77.3	56.1	37.7	12.9	0.0	0.0	0.0	0.0	0.0
57.5°	72.7	60.7	43.2	28.5	10.1	0.0	0.0	0.0	0.0	0.0
60°	57.0	44.1	32.2	21.2	7.4	0.0	0.0	0.0	0.0	0.0
62.5°	41.4	32.2	23.9	14.7	5.5	0.0	0.0	0.0	0.0	0.0
65°	32.2	24.8	17.5	11.0	3.7	0.0	0.0	0.0	0.0	0.0
67.5°	24.8	19.3	12.9	6.4	2.8	0.0	0.0	0.0	0.0	0.0
70°	19.3	14.7	10.1	4.6	1.8	0.0	0.0	0.0	0.0	0.0
72.5°	14.7	11.0	7.4	3.7	0.9	0.0	0.0	0.0	0.0	0.0
75°	10.1	7.4	4.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.4	4.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.7	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.9	0.9	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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**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)