

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: STREETWORKS

Report Number: P595950

Luminaire Tested: **PMM-SA1A-AMB-U-SLL**

Issue Date: 4/29/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595950  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2109-400-23)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 4/29/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1A-AMB-U-SLL  
Description: POST TOP DECORATIVE LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH  
AND SPILL LIGHT ELIMINATOR LEFT OPTICS.  
Light Source: (16) 1549K CCT, -21.5 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 678.1 lumens  
Efficiency: N/A  
Efficacy: 33.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

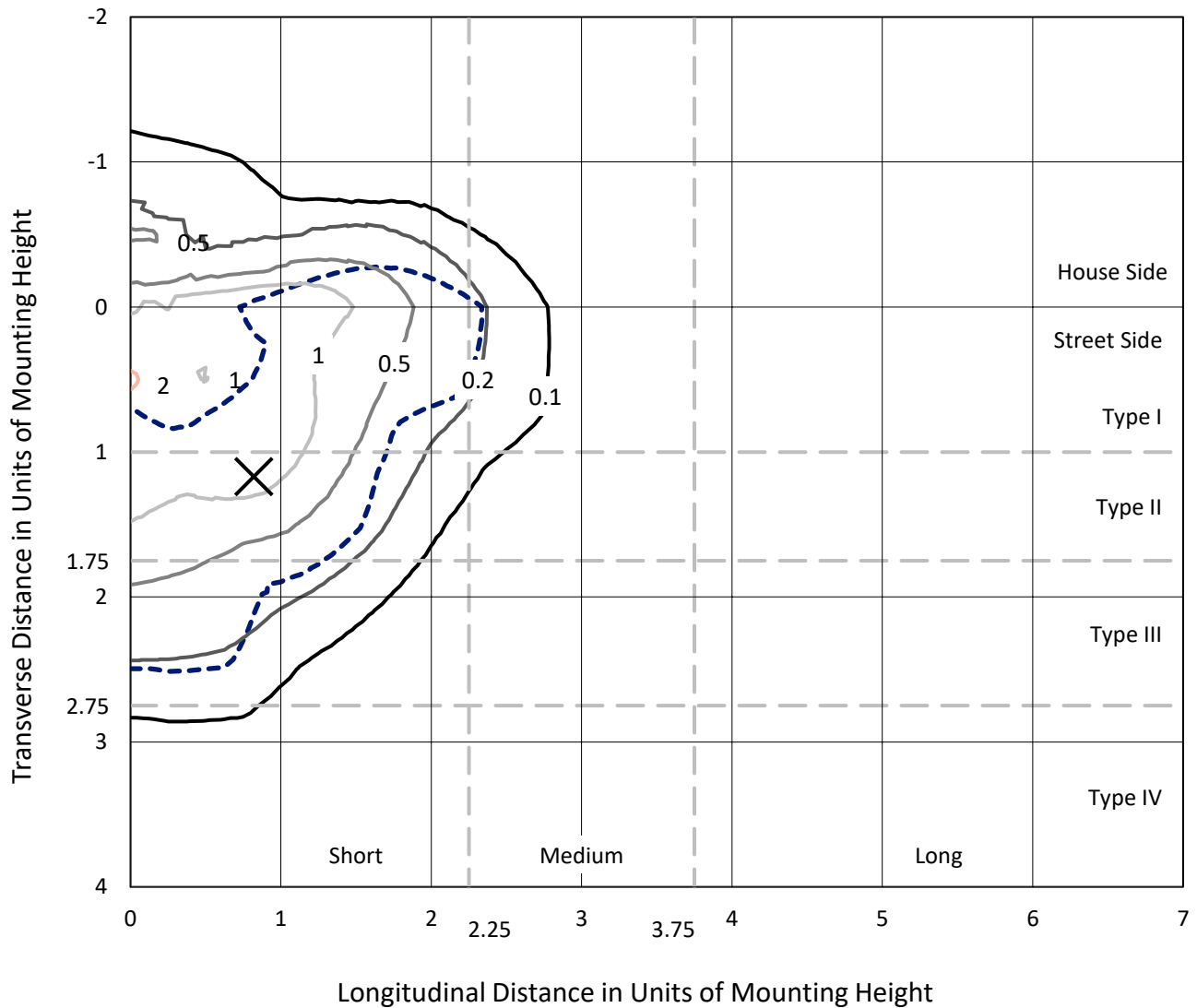
Input Watts (W): 20.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

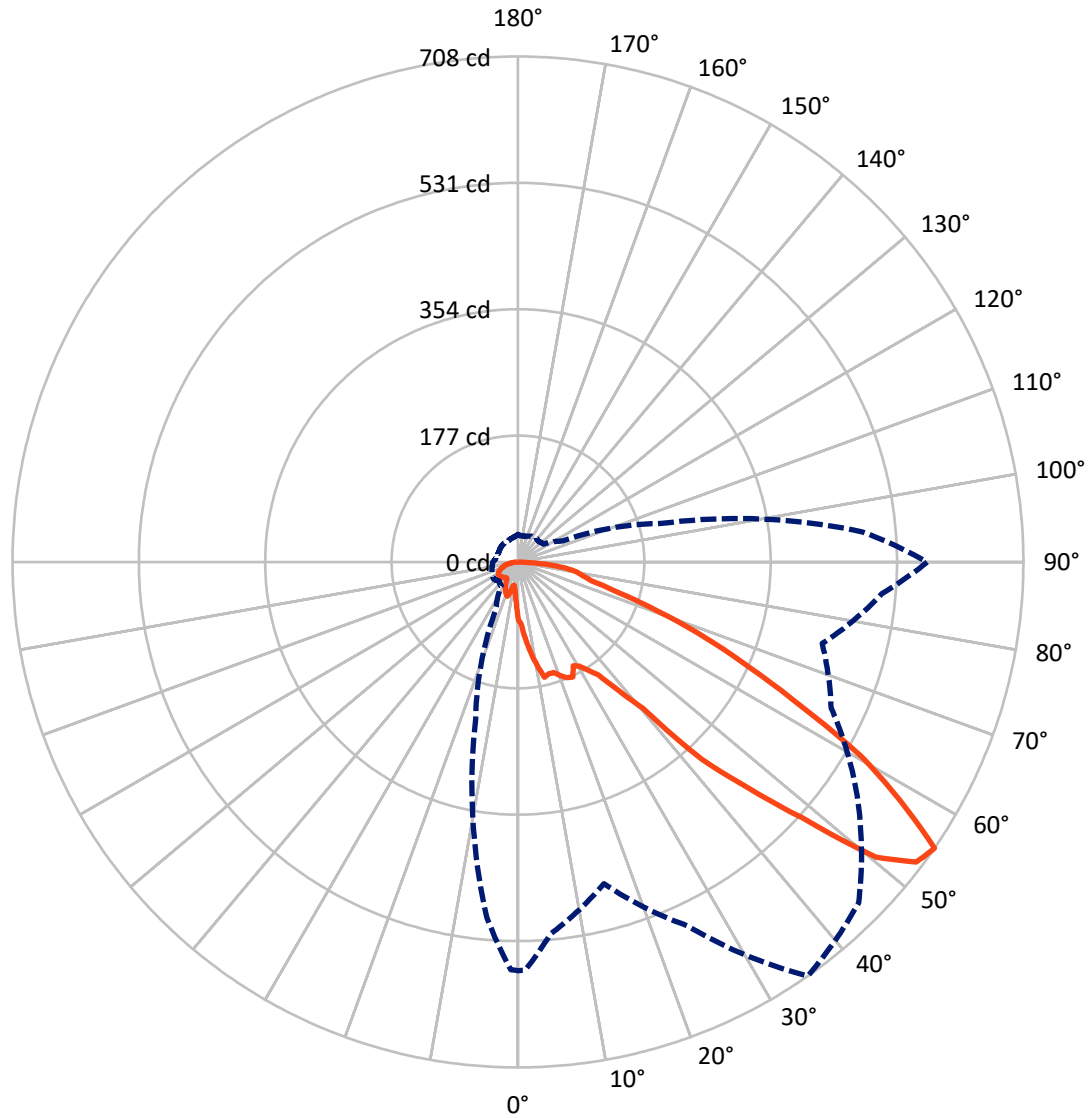
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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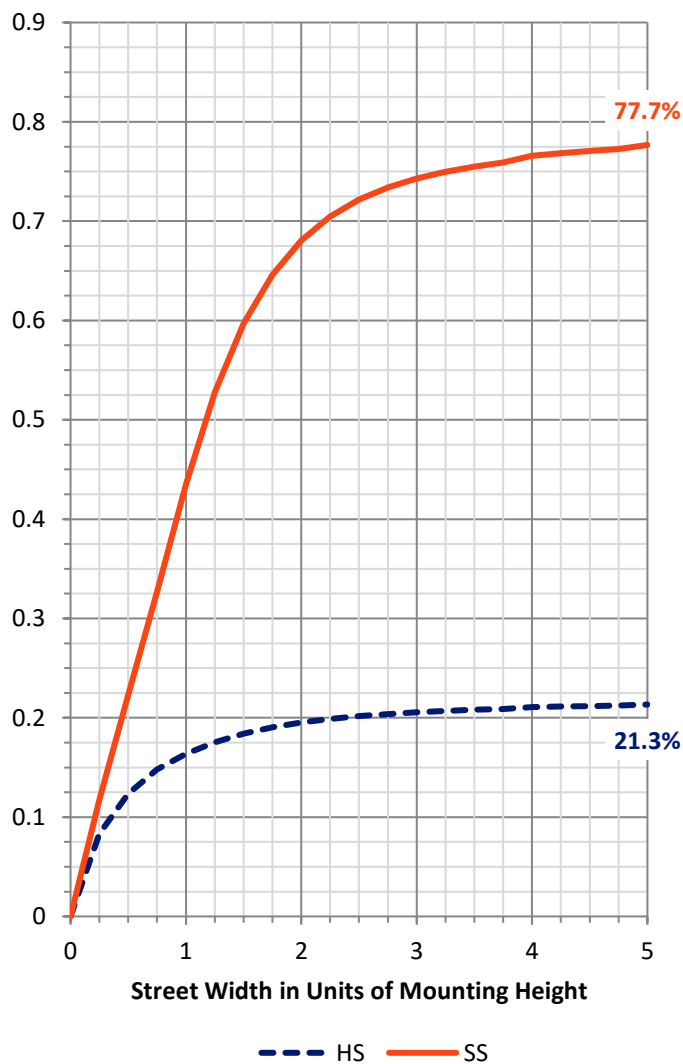
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	146.4	0.0	146.4
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	531.7	0.0	531.7
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	678.1	0.0	678.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.5	1.1
10°-20°	22.6	3.3
20°-30°	52.1	7.7
30°-40°	70.8	10.4
40°-50°	126.0	18.6
50°-60°	176.9	26.1
60°-70°	140.2	20.7
70°-80°	64.9	9.6
80°-90°	17.0	2.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	678.1	100.0
0°-180°	678.1	100.0

**Coefficient of Utilization**

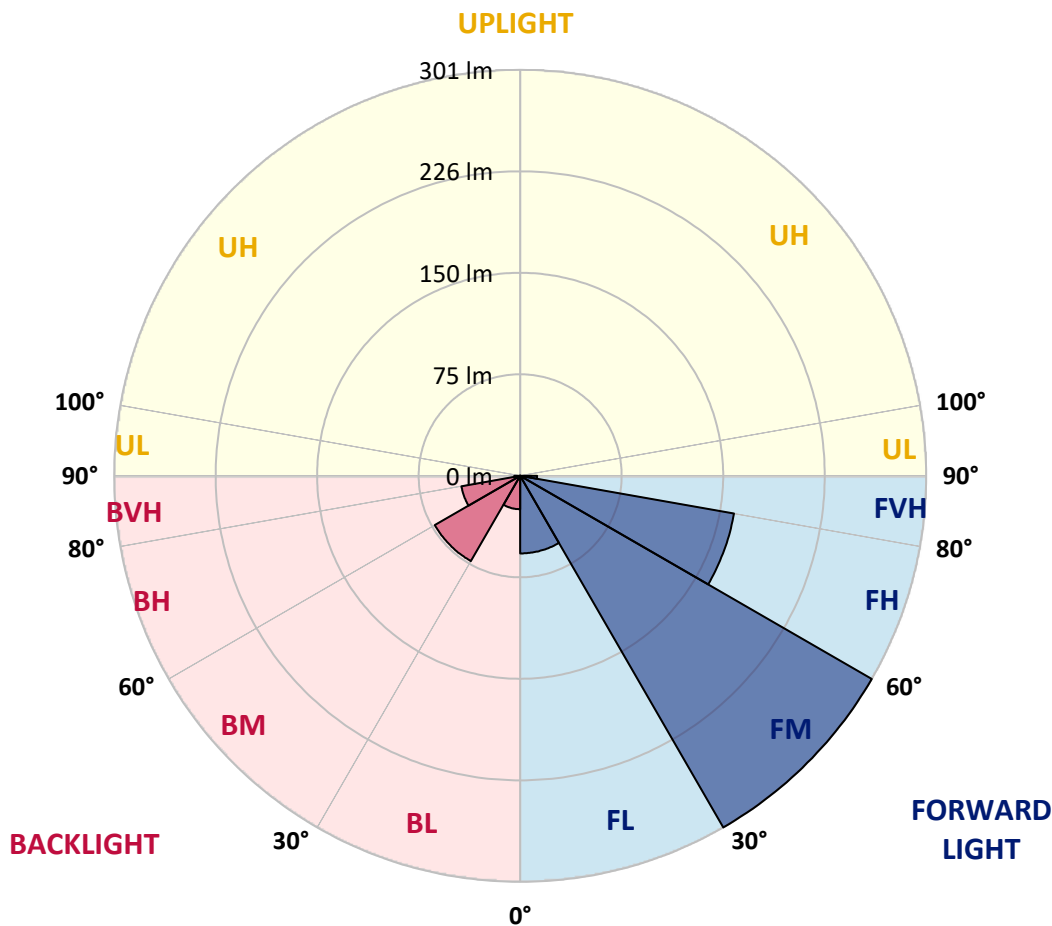


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.5	8.5			
FM (30°-60°)	300.8	44.4			
FH (60°-80°)	160.8	23.7			G0/660
FVH (80°-90°)	12.6	1.9			G1/100
BL (0°-30°)	24.7	3.6	B0/110		
BM (30°-60°)	73.0	10.8	B0/220		
BH (60°-80°)	44.2	6.5	B0/110		G0/110
BVH (80°-90°)	4.4	0.7			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	113.0	113.0	109.4	99.8	91.4	86.6	89.6	87.8	78.8	84.2	88.4
5°	134.3	130.4	129.5	128.3	116.3	107.0	94.7	92.3	99.2	121.4	109.1
7.5°	133.4	131.9	130.1	143.9	139.1	127.4	117.8	119.6	130.1	128.6	116.6
10°	124.4	122.3	124.7	134.9	140.3	146.9	152.0	138.2	131.3	128.3	107.9
12.5°	113.3	111.8	119.3	144.8	156.5	165.5	167.3	157.7	139.7	123.2	107.6
15°	129.5	127.1	135.8	149.3	160.1	162.5	165.5	159.5	148.1	135.2	114.2
17.5°	156.2	154.1	161.3	167.3	167.3	162.8	161.3	162.5	156.5	158.9	146.6
20°	203.9	192.8	206.3	188.3	170.0	170.0	167.6	170.0	176.3	207.2	194.0
22.5°	293.2	292.9	294.1	235.9	198.2	176.0	174.2	183.8	218.9	268.0	265.0
25°	328.9	324.1	340.0	286.6	214.4	178.4	171.8	185.9	263.2	306.4	292.9
27.5°	283.6	282.1	287.8	248.5	205.4	164.6	149.0	166.4	230.5	250.3	269.2
30°	282.4	280.0	288.1	232.9	200.6	169.1	148.7	170.3	205.7	233.5	282.7
32.5°	316.9	312.7	306.1	253.6	206.0	180.5	160.7	166.7	210.8	255.7	303.7
35°	340.6	338.2	329.5	272.5	227.0	194.6	175.7	188.6	226.4	273.1	325.3
37.5°	391.5	392.7	368.2	301.0	250.3	227.0	216.2	227.3	257.5	294.4	365.5
40°	433.2	436.8	400.5	337.3	297.7	269.5	275.5	274.6	289.3	317.8	409.2
42.5°	479.7	478.5	448.5	379.0	353.2	378.1	350.5	324.1	336.7	343.0	441.9
45°	520.8	524.4	467.4	403.2	409.2	450.3	439.8	390.9	372.4	368.8	456.9
47.5°	539.6	539.0	486.9	421.2	466.5	534.8	542.9	464.4	415.2	390.9	474.3
50°	550.4	550.1	498.9	435.9	511.5	649.7	626.6	505.2	433.2	410.1	486.0
52.5°	562.7	560.6	509.1	453.6	549.8	698.2	680.3	559.7	459.9	422.7	498.3
55°	572.3	572.0	522.9	466.2	562.1	707.8	674.9	581.0	483.9	441.0	511.5
57.5°	568.7	565.4	523.8	472.5	520.8	632.0	616.7	552.2	474.3	438.9	507.9
60°	546.2	542.6	518.1	470.4	459.0	551.9	516.3	461.1	420.3	426.6	487.2
62.5°	502.2	498.0	484.2	443.4	383.7	445.5	425.4	375.7	353.8	409.2	449.7
65°	441.9	431.4	429.3	411.3	345.7	356.8	354.7	304.9	291.4	378.7	395.7
67.5°	370.6	367.0	372.7	375.1	297.7	282.7	269.5	245.2	243.4	327.1	331.6
70°	289.3	283.3	306.1	320.8	233.5	212.0	189.5	173.3	194.9	286.9	270.1
72.5°	198.8	199.4	224.3	264.7	179.0	148.7	128.6	122.0	149.0	230.2	193.1
75°	135.8	132.5	159.8	205.4	126.2	106.7	96.8	94.1	116.0	184.7	140.3
77.5°	106.7	104.0	114.5	137.3	95.3	92.9	87.8	82.4	90.5	139.7	110.0
80°	86.0	86.6	87.2	91.7	73.8	82.4	77.6	72.6	73.2	92.6	73.2
82.5°	62.1	60.9	67.5	70.8	53.7	63.9	63.0	60.9	57.3	65.7	48.9
85°	29.1	28.5	42.0	63.9	37.5	37.8	35.7	32.4	36.3	47.7	21.9
87.5°	1.2	0.9	1.5	10.2	5.4	4.5	3.0	6.0	5.7	6.3	3.0
90°	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°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	101.9	89.6	100.1	87.8	81.2	83.9	83.9	76.4	75.9	68.1	80.9
5°	121.7	109.1	101.0	88.4	77.0	67.5	65.4	64.8	68.1	64.2	70.8
7.5°	119.3	103.7	93.8	75.9	64.5	57.6	53.7	55.2	58.8	57.6	59.1
10°	101.9	93.2	79.4	67.8	64.8	58.5	52.5	48.3	48.0	45.0	44.7
12.5°	99.5	90.2	79.7	69.9	62.4	56.4	49.2	43.8	40.5	37.5	36.9
15°	105.2	95.0	80.6	68.4	57.9	50.1	43.8	38.1	33.6	31.8	31.8
17.5°	125.0	111.5	83.9	63.6	51.6	45.3	37.8	32.4	29.7	30.6	30.0
20°	184.4	141.2	89.0	58.5	47.4	39.9	33.3	30.6	30.3	33.0	35.1
22.5°	237.4	182.3	94.1	59.7	46.2	39.9	34.8	34.5	35.1	41.1	43.2
25°	259.0	203.9	106.7	69.6	58.5	54.3	55.5	51.9	52.2	62.1	65.4
27.5°	260.5	202.1	100.1	67.8	58.5	58.8	69.0	80.0	85.1	100.4	95.3
30°	265.0	227.0	89.0	47.7	37.5	36.6	38.7	43.5	50.1	75.9	78.8
32.5°	305.2	240.4	94.4	44.1	33.9	31.5	29.7	29.7	32.1	39.9	41.4
35°	325.3	265.9	97.1	47.7	34.8	31.2	30.3	29.7	30.9	34.5	35.4
37.5°	373.3	283.9	101.9	52.5	36.3	32.4	30.9	30.6	32.4	35.4	36.6
40°	415.2	303.1	109.4	57.3	37.5	33.6	32.4	32.4	33.6	36.6	37.2
42.5°	459.9	344.5	121.1	61.2	38.7	34.8	34.2	34.2	35.1	36.9	38.1
45°	498.0	375.1	134.9	63.3	39.0	37.8	36.0	36.0	36.0	36.9	38.4
47.5°	529.5	411.0	154.7	64.5	40.2	39.0	38.1	37.2	36.9	37.2	38.4
50°	543.2	447.3	176.0	64.8	41.4	39.9	40.2	38.4	37.2	37.5	39.0
52.5°	561.2	472.2	192.8	67.5	42.6	41.1	41.7	39.0	36.9	36.9	38.7
55°	573.2	484.2	208.4	69.3	43.8	40.8	42.6	39.9	37.2	36.9	38.7
57.5°	567.8	480.6	217.1	71.1	45.9	41.1	43.2	40.2	37.5	36.9	38.7
60°	528.6	445.2	213.5	71.7	47.1	40.5	41.1	40.5	36.9	36.3	37.8
62.5°	474.6	387.9	193.7	67.2	46.2	39.3	39.3	38.7	35.4	35.1	36.3
65°	402.0	325.0	161.0	62.7	42.9	37.2	37.5	35.7	33.6	32.7	34.2
67.5°	329.5	260.8	129.5	58.5	39.6	34.2	35.1	33.9	31.5	30.6	31.8
70°	261.1	203.6	100.1	51.3	35.4	31.2	32.1	30.9	28.8	27.9	29.1
72.5°	185.9	140.6	80.9	45.3	30.9	27.0	28.5	27.6	26.1	24.6	25.5
75°	138.5	104.6	58.5	37.2	26.7	23.4	24.9	24.6	23.1	21.9	22.8
77.5°	108.2	85.1	40.8	29.7	22.8	20.1	21.0	20.7	19.2	17.4	18.0
80°	79.4	67.5	28.8	22.2	18.3	16.5	17.1	16.5	15.0	12.9	13.2
82.5°	53.7	49.8	19.5	15.3	13.2	12.3	12.6	12.6	11.1	9.0	8.7
85°	16.8	19.2	12.0	9.6	8.1	6.6	7.2	7.8	6.9	5.4	5.1
87.5°	2.7	3.3	3.3	3.3	2.7	2.4	3.0	3.0	2.7	2.1	1.5
90°	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):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	74.7	69.0	60.0	59.7	53.1	51.6	51.0	60.3	60.0	75.6	73.5
5°	68.1	63.3	56.4	44.1	37.8	40.8	48.3	58.8	62.7	71.4	71.4
7.5°	55.8	50.1	44.4	36.3	31.2	31.8	41.4	48.6	53.1	58.2	58.5
10°	41.7	39.0	35.1	33.0	33.3	32.1	36.0	41.1	45.0	46.8	48.0
12.5°	36.0	34.2	33.9	35.1	39.6	40.5	41.1	39.9	39.6	40.8	40.8
15°	32.4	33.6	38.1	44.4	48.3	49.5	45.6	42.0	37.5	35.4	36.0
17.5°	31.5	39.6	46.8	50.1	52.5	51.6	47.4	45.0	40.2	36.0	35.4
20°	35.4	42.6	46.5	48.3	45.3	43.2	46.8	46.5	44.1	40.8	37.2
22.5°	45.0	52.5	51.3	45.6	36.3	36.0	47.4	53.1	53.4	47.4	42.0
25°	66.3	62.4	56.4	41.7	30.3	31.2	47.7	59.1	68.4	61.5	57.0
27.5°	92.0	76.4	61.5	39.6	28.8	30.0	46.5	64.8	86.9	95.0	93.2
30°	80.9	66.3	51.3	34.2	27.9	28.2	40.8	61.8	89.0	102.2	102.8
32.5°	41.4	40.5	35.1	28.8	27.3	27.3	31.2	40.5	55.5	53.7	54.6
35°	35.1	32.1	29.7	27.9	27.0	27.3	28.5	31.5	35.7	36.3	36.9
37.5°	35.1	32.1	29.4	27.9	27.6	27.6	28.8	30.6	34.5	36.3	36.6
40°	35.7	32.1	29.7	28.5	28.5	28.2	29.1	30.6	34.5	36.9	37.2
42.5°	35.7	32.7	30.3	29.1	29.4	29.4	29.4	30.9	34.5	37.2	37.5
45°	35.7	33.0	31.2	30.0	31.2	30.6	30.3	30.9	34.2	37.2	37.8
47.5°	36.0	33.6	31.8	30.9	31.8	31.2	31.2	30.9	33.9	37.5	38.1
50°	36.6	34.2	32.1	31.8	32.4	31.8	30.9	31.2	33.9	37.2	37.8
52.5°	36.6	34.5	32.7	32.1	32.1	31.5	30.6	30.9	33.0	36.3	36.9
55°	36.3	34.2	32.7	32.4	32.1	30.9	30.0	30.6	32.4	35.4	35.7
57.5°	36.6	33.9	32.4	32.4	32.1	30.3	29.4	29.7	32.1	34.8	35.1
60°	35.7	33.0	31.5	31.8	30.9	29.4	27.9	28.5	30.9	34.2	34.8
62.5°	34.2	31.8	30.3	30.6	30.0	28.2	26.4	27.3	29.7	32.7	33.6
65°	32.4	30.3	28.5	28.5	27.9	26.1	24.9	26.1	28.2	30.9	31.8
67.5°	30.3	28.2	26.7	26.7	25.5	24.3	23.4	24.3	26.1	28.5	29.7
70°	27.6	25.8	24.3	24.0	22.8	21.9	21.6	22.2	24.3	26.1	26.7
72.5°	24.9	23.7	21.9	21.6	20.4	19.5	19.2	19.8	21.9	23.4	24.0
75°	22.2	21.0	19.8	19.2	18.0	17.4	17.1	18.0	19.8	20.7	21.0
77.5°	18.0	17.4	16.5	16.2	15.3	15.0	15.0	15.6	16.8	17.1	17.7
80°	14.1	13.8	13.5	13.2	12.0	12.3	12.3	12.6	13.2	12.9	13.5
82.5°	10.2	10.2	9.6	9.6	8.4	9.0	9.3	9.3	9.0	8.4	9.0
85°	5.7	6.3	6.0	6.0	4.8	6.0	5.7	5.7	5.4	4.5	5.7
87.5°	2.1	2.1	2.1	1.8	0.6	1.8	2.4	2.4	2.4	1.5	2.7
90°	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):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2.5°	77.0	75.9	77.9	83.6	79.7	79.1	89.6	88.4	106.4	113.0
5°	76.1	72.0	69.6	70.2	74.1	88.1	106.1	105.8	126.2	134.3
7.5°	59.4	60.9	60.3	60.6	65.1	85.4	105.5	116.9	128.6	133.4
10°	51.9	54.0	57.9	63.0	66.6	75.0	95.3	109.7	119.3	124.4
12.5°	44.7	50.4	55.5	63.3	71.1	77.0	94.1	104.6	111.2	113.3
15°	37.8	40.8	47.4	57.3	66.0	76.7	95.6	116.9	125.0	129.5
17.5°	36.3	36.9	40.2	49.5	62.7	78.8	101.3	140.9	148.7	156.2
20°	36.0	36.0	39.3	44.7	57.9	76.4	126.5	181.4	186.2	203.9
22.5°	38.1	38.1	41.4	50.4	63.0	85.7	158.0	253.6	288.1	293.2
25°	47.7	53.1	61.2	72.3	80.6	99.2	167.0	277.6	313.9	328.9
27.5°	93.2	97.1	97.1	85.7	82.4	87.8	139.1	243.4	274.9	283.6
30°	96.5	86.6	72.6	60.6	60.0	63.6	128.3	256.0	274.9	282.4
32.5°	45.0	39.6	39.0	40.2	46.2	57.3	134.9	286.6	302.2	316.9
35°	34.8	34.2	35.1	37.8	44.1	59.1	138.5	317.5	333.7	340.6
37.5°	34.8	33.9	34.8	36.6	44.1	61.5	142.1	362.2	394.5	391.5
40°	36.0	34.8	34.8	36.0	43.2	66.3	148.4	395.4	435.0	433.2
42.5°	36.9	36.0	35.7	35.7	42.3	67.8	157.7	431.4	478.8	479.7
45°	38.4	37.5	36.6	36.3	41.1	69.6	167.3	448.5	519.3	520.8
47.5°	39.6	39.3	38.1	37.2	39.9	69.9	187.1	470.7	536.9	539.6
50°	39.9	39.9	40.2	37.5	40.2	67.5	202.7	487.8	550.4	550.4
52.5°	38.7	39.9	40.8	37.8	40.2	69.3	215.3	495.6	563.0	562.7
55°	37.8	39.9	41.4	37.8	41.1	72.0	228.2	499.8	571.1	572.3
57.5°	37.8	40.5	40.8	38.1	43.2	75.9	233.2	476.1	559.7	568.7
60°	37.5	40.5	39.3	37.8	45.3	77.3	227.6	438.9	525.0	546.2
62.5°	36.3	39.3	37.5	36.9	45.6	77.3	209.0	384.3	473.1	502.2
65°	34.2	36.6	35.4	35.1	44.4	73.8	175.4	319.0	415.2	441.9
67.5°	32.1	33.6	33.3	32.7	41.7	70.5	137.9	248.2	337.9	370.6
70°	29.7	31.2	30.9	30.0	38.4	64.5	107.6	187.1	254.2	289.3
72.5°	26.1	28.2	27.6	26.7	33.6	53.7	83.0	125.6	175.1	198.8
75°	23.4	24.6	23.7	22.8	27.3	41.1	58.8	95.9	122.0	135.8
77.5°	20.4	21.6	20.1	19.2	21.9	31.8	42.3	84.5	99.8	106.7
80°	16.2	18.0	16.2	15.0	16.5	21.0	28.5	66.3	82.7	86.0
82.5°	11.4	12.6	11.4	10.5	12.0	14.4	18.3	47.4	59.1	62.1
85°	6.9	7.2	6.3	5.7	7.2	8.4	10.8	24.0	28.2	29.1
87.5°	2.4	2.7	2.4	0.9	1.8	2.1	2.4	1.5	1.5	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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