

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: P694678

Luminaire Tested: **LXF.LXT-PA16-20-827-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694678
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1947 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

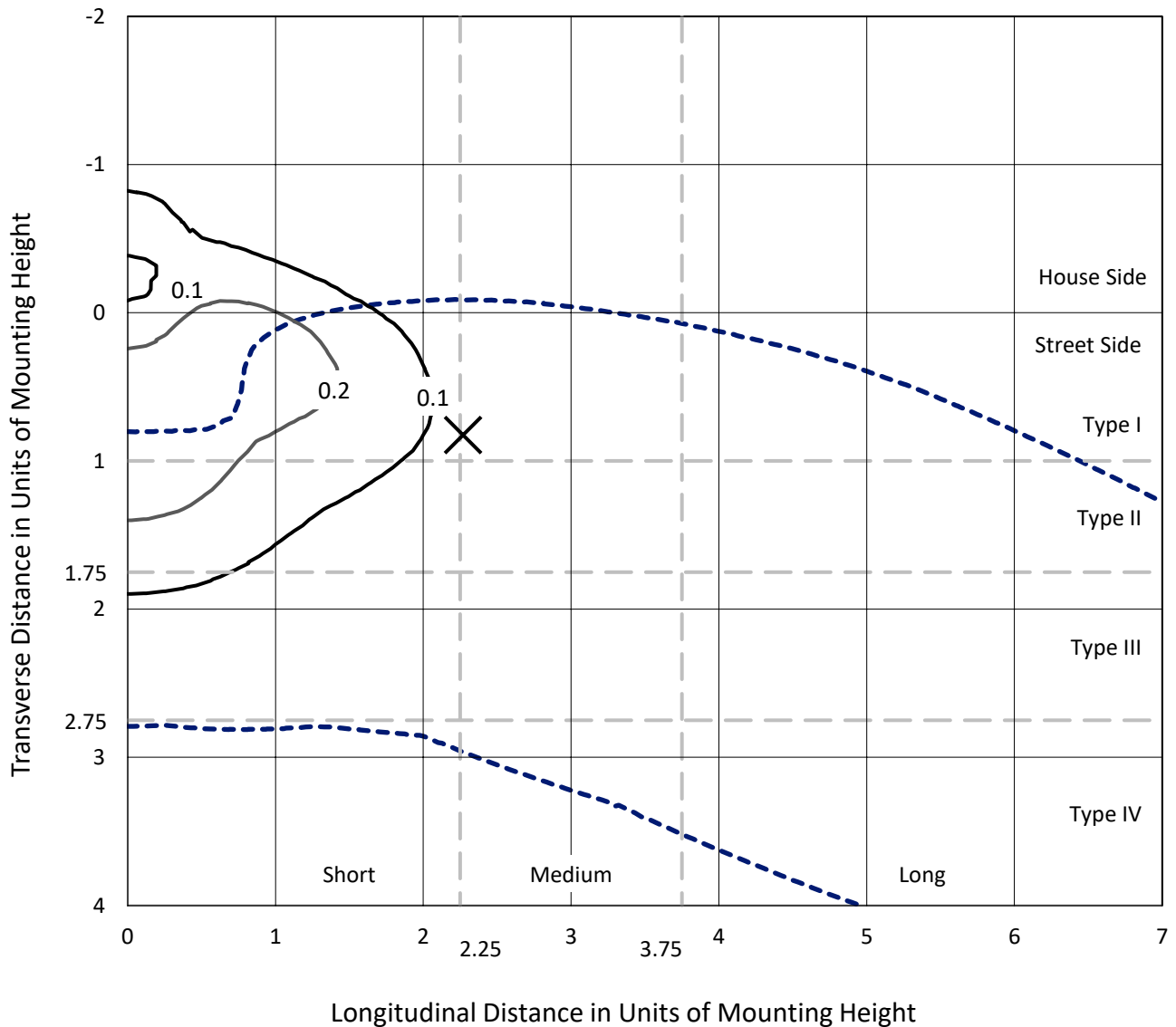
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

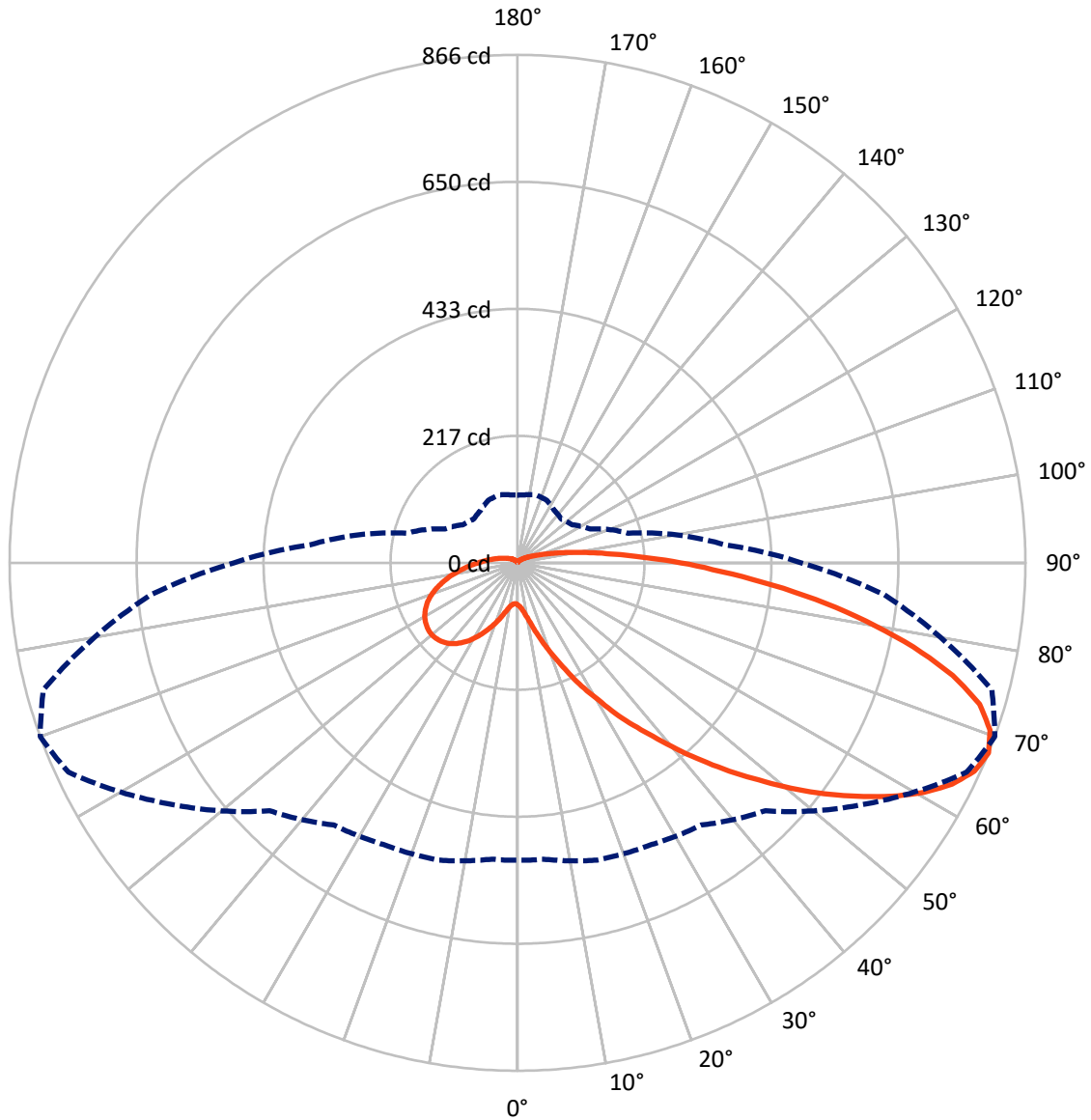
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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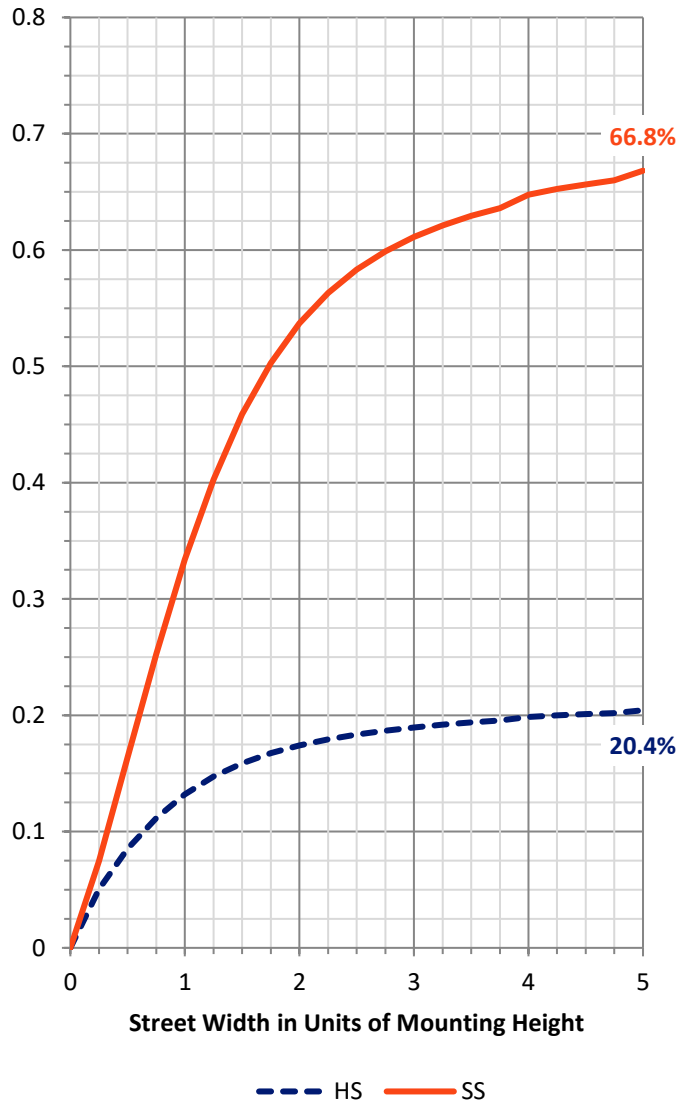
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	419.7	57.2	476.9
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	1363.1	107.0	1470.1
	% Fixture	70.0	5.5	75.5
Total	Lumens	1782.9	164.1	1947.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.5	0.4
10°-20°	30.8	1.6
20°-30°	77.7	4.0
30°-40°	152.1	7.8
40°-50°	247.7	12.7
50°-60°	347.0	17.8
60°-70°	398.1	20.4
70°-80°	331.3	17.0
80°-90°	190.6	9.8
90°-100°	87.4	4.5
100°-110°	40.0	2.1
110°-120°	19.7	1.0
120°-130°	10.2	0.5
130°-140°	4.9	0.3
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1782.9	91.6
0°-180°	1947.0	100.0

Coefficient of Utilization



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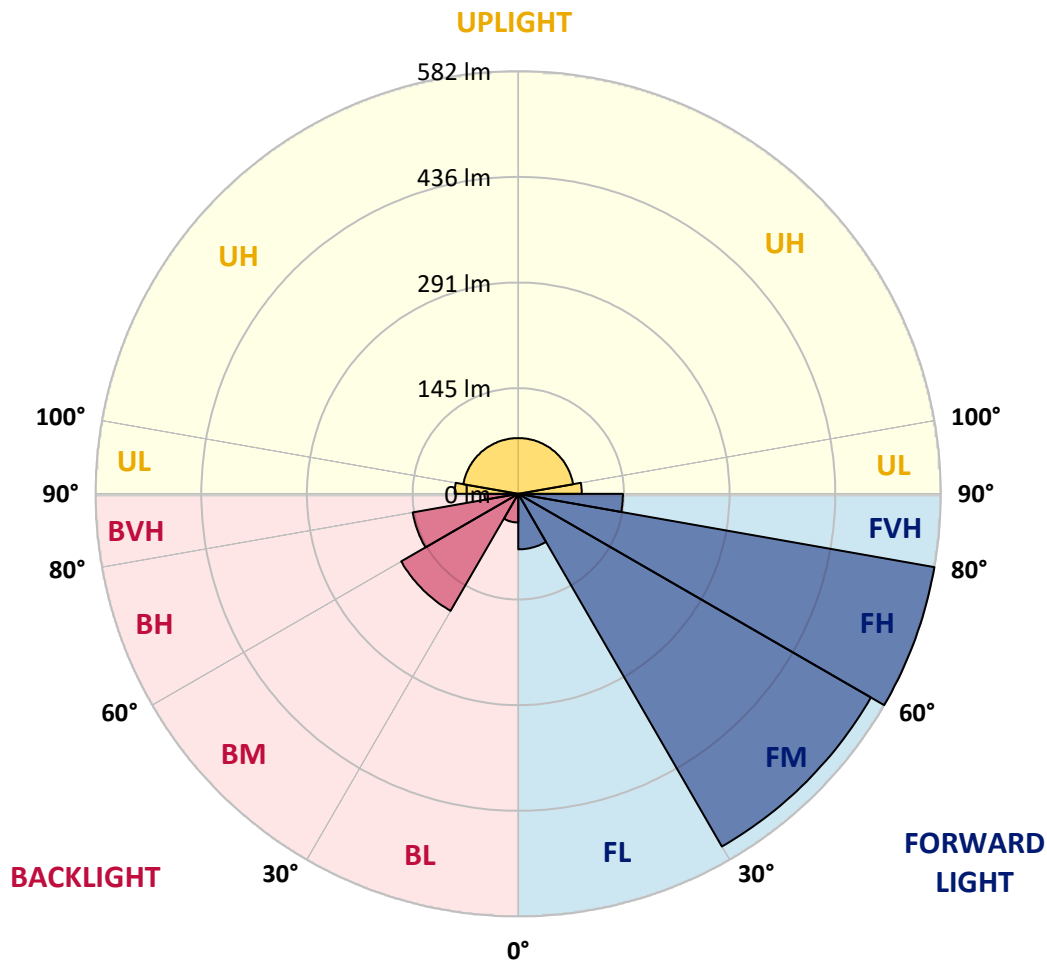
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.5	3.9			
FM (30°-60°)	560.7	28.8			
FH (60°-80°)	581.9	29.9			G0/660
FVH (80°-90°)	144.1	7.4			G2/225
BL (0°-30°)	39.5	2.0	B0/110		
BM (30°-60°)	186.1	9.6	B0/220		
BH (60°-80°)	147.6	7.6	B1/500		G1/500
BVH (80°-90°)	46.5	2.4			G1/100
UL (90°-100°)	87.4	4.5		U3/500	
UH (100°-180°)	76.7	3.9		U3/500	

BUG Rating: B1-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	78.4	78.4	78.4	77.6	77.6	76.1	76.1	74.6	74.6	73.9	72.4
5°	88.2	88.2	87.4	87.4	85.9	84.4	82.9	80.6	79.1	78.4	76.1
7.5°	99.5	99.5	98.7	97.2	96.5	94.2	91.2	88.2	86.7	85.2	81.4
10°	113.1	113.1	111.5	110.8	109.3	106.3	103.3	98.7	96.5	94.2	88.9
12.5°	128.9	127.4	127.4	125.1	122.9	120.6	116.8	111.5	109.3	106.3	99.5
15°	145.5	145.5	145.5	143.2	140.2	136.4	133.4	128.1	126.6	122.1	114.6
17.5°	165.1	166.6	164.3	161.3	159.8	156.0	152.2	148.5	144.7	140.2	130.4
20°	189.2	188.4	186.2	183.1	180.9	177.1	174.9	168.1	165.1	160.5	146.2
22.5°	212.5	213.3	211.0	206.5	203.5	201.2	197.5	192.2	187.7	182.4	166.6
25°	243.4	242.7	237.4	230.6	227.6	224.6	222.3	217.1	214.0	209.5	189.2
27.5°	274.3	271.3	267.6	261.5	254.0	248.7	247.2	244.9	242.7	235.2	212.5
30°	306.8	303.7	299.2	289.4	278.9	272.8	272.8	275.9	270.6	264.5	238.9
32.5°	341.4	337.7	331.6	319.6	305.2	298.5	301.5	306.8	306.0	297.0	265.3
35°	376.1	375.3	366.3	351.2	333.1	324.8	329.4	339.9	339.9	333.1	293.9
37.5°	410.0	410.8	402.5	383.6	360.3	351.2	358.0	375.3	375.3	370.1	321.8
40°	453.0	451.5	436.4	414.5	388.9	377.6	391.2	413.8	417.5	407.7	352.7
42.5°	489.9	486.9	474.8	447.7	416.8	403.2	422.1	453.0	460.5	449.2	384.4
45°	527.6	523.8	509.5	479.3	444.7	428.8	455.2	496.7	506.5	495.9	417.5
47.5°	563.0	559.2	546.4	510.2	474.1	459.8	489.1	541.1	553.2	544.2	450.0
50°	595.4	594.7	578.8	541.1	499.7	486.1	524.6	587.9	603.7	590.1	483.1
52.5°	623.3	620.3	605.2	569.0	525.3	514.8	560.7	636.9	654.2	640.6	516.3
55°	640.6	639.1	625.6	590.1	548.7	541.1	596.9	681.3	702.4	690.4	547.2
57.5°	648.9	646.7	635.4	603.7	566.0	565.3	630.1	727.3	751.4	735.6	578.8
60°	640.6	639.1	631.6	607.5	577.3	584.1	664.8	769.5	795.1	777.8	603.7
62.5°	612.7	612.7	612.0	597.7	579.6	599.9	691.9	805.7	831.3	810.2	621.8
65°	569.0	571.3	575.8	572.8	569.8	605.2	710.0	832.8	856.2	831.3	631.6
67.5°	507.2	507.2	524.6	531.4	545.7	597.7	718.3	844.9	866.0	837.3	627.8
70°	438.6	438.6	458.2	477.8	509.5	578.1	709.2	838.1	854.7	823.0	611.2
72.5°	367.0	367.8	391.2	418.3	462.0	544.2	685.1	808.7	823.8	786.1	578.1
75°	297.0	303.0	322.6	358.0	408.5	498.9	639.9	757.5	766.5	730.3	531.4
77.5°	235.2	242.7	266.1	300.7	353.5	441.7	578.8	688.9	690.4	655.7	474.8
80°	186.2	191.4	215.6	248.0	299.2	383.6	506.5	603.7	602.2	568.3	407.0
82.5°	147.0	150.7	169.6	201.2	250.2	328.6	434.9	506.5	511.8	478.6	341.4
85°	113.1	117.6	134.9	162.8	206.5	273.6	359.5	415.3	417.5	388.2	281.1
87.5°	86.7	91.2	107.0	133.4	170.3	224.6	293.2	336.9	333.1	309.8	222.3
90°	67.1	69.3	85.2	107.0	139.4	185.4	235.9	264.5	264.5	241.9	177.9
92.5°	53.5	54.3	68.6	88.2	115.3	150.7	189.9	208.0	202.7	189.9	140.2
95°	42.2	43.7	55.0	72.4	95.0	123.6	150.0	162.8	158.3	146.2	110.0
97.5°	33.9	35.4	45.2	60.3	79.1	101.0	120.6	126.6	124.4	116.1	87.4
100°	27.9	28.6	36.9	51.3	66.3	83.7	96.5	100.2	95.7	90.4	68.6
102.5°	23.4	24.1	31.7	43.0	56.5	68.6	78.4	79.9	76.1	70.1	55.0
105°	19.6	20.3	26.4	36.9	47.5	58.0	64.1	63.3	59.5	55.0	44.5
107.5°	17.3	17.3	22.6	31.7	41.5	48.2	52.8	51.3	47.5	43.0	36.2
110°	15.1	15.1	18.8	27.1	35.4	41.5	43.7	41.5	37.7	34.7	29.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.6	13.6	16.6	23.4	30.1	35.4	36.2	33.2	30.9	28.6	24.1
115°	12.1	12.8	14.3	19.6	25.6	30.1	30.1	27.9	25.6	23.4	21.1
117.5°	11.3	11.3	12.8	17.3	22.6	25.6	25.6	23.4	21.1	19.6	18.1
120°	10.6	10.6	12.1	15.1	19.6	21.9	21.9	19.6	18.1	16.6	15.8
122.5°	9.8	9.8	10.6	12.8	16.6	18.8	18.8	16.6	15.1	14.3	13.6
125°	9.0	9.0	9.8	11.3	14.3	15.8	15.8	13.6	12.8	12.1	12.1
127.5°	8.3	8.3	9.0	9.8	12.1	13.6	12.8	11.3	10.6	10.6	10.6
130°	7.5	7.5	8.3	9.0	10.6	11.3	10.6	9.8	9.0	9.0	9.0
132.5°	7.5	7.5	7.5	7.5	8.3	9.0	9.0	8.3	7.5	8.3	8.3
135°	6.8	6.8	6.8	6.8	6.8	7.5	6.8	6.8	6.8	6.8	6.8
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	5.3	5.3	5.3	6.0	6.0
140°	5.3	5.3	5.3	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.3
142.5°	4.5	4.5	4.5	3.8	3.8	3.0	3.0	3.0	3.8	3.8	4.5
145°	3.8	3.8	3.8	3.0	2.3	2.3	2.3	2.3	3.0	3.0	3.0
147.5°	3.0	3.0	3.0	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
150°	2.3	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	1.5	1.5
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°	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2.5°	72.4	71.6	70.8	69.3	68.6	68.6	68.6	67.8	67.8	67.1	67.1
5°	74.6	73.9	70.8	68.6	67.1	65.6	64.1	63.3	62.6	61.8	61.8
7.5°	79.1	77.6	73.9	70.1	67.1	64.1	61.8	60.3	59.5	58.8	58.8
10°	85.9	83.7	77.6	72.4	67.8	64.1	61.0	59.5	58.0	57.3	57.3
12.5°	95.7	92.7	84.4	76.9	70.8	65.6	62.6	60.3	58.8	58.0	58.0
15°	109.3	104.0	93.5	83.7	75.4	68.6	64.8	63.3	62.6	62.6	62.6
17.5°	123.6	116.1	104.0	91.2	81.4	73.9	70.1	68.6	67.8	67.8	67.8
20°	139.4	131.1	114.6	99.5	87.4	80.6	76.1	74.6	73.9	73.9	73.9
22.5°	156.8	147.7	125.9	107.0	95.0	87.4	82.9	80.6	81.4	81.4	81.4
25°	176.4	163.6	137.9	116.1	101.7	94.2	89.7	87.4	88.9	89.7	89.7
27.5°	198.2	180.9	149.2	124.4	109.3	100.2	96.5	95.0	97.2	98.0	98.7
30°	219.3	199.7	160.5	133.4	115.3	106.3	102.5	103.3	104.8	106.3	107.8
32.5°	242.7	217.1	172.6	140.9	121.3	110.8	108.5	110.8	113.8	115.3	116.1
35°	265.3	235.2	181.6	147.7	125.9	115.3	113.8	117.6	121.3	124.4	124.4
37.5°	287.9	251.7	191.4	153.0	129.6	118.3	118.3	123.6	128.1	131.9	131.9
40°	311.3	269.8	199.7	157.5	132.6	121.3	122.1	128.9	134.9	137.2	137.9
42.5°	335.4	284.9	206.5	160.5	134.2	123.6	125.1	133.4	139.4	141.7	142.4
45°	358.8	300.7	211.8	162.0	135.7	124.4	126.6	136.4	142.4	144.7	144.7
47.5°	380.6	314.3	215.6	162.8	135.7	124.4	128.1	137.9	144.7	145.5	145.5
50°	404.0	327.9	218.6	162.8	134.9	124.4	128.1	138.7	144.7	144.7	144.7
52.5°	426.6	339.9	220.1	161.3	133.4	123.6	127.4	137.9	144.0	142.4	142.4
55°	447.7	349.7	219.3	159.0	131.1	121.3	125.9	136.4	141.7	139.4	139.4
57.5°	465.0	358.0	217.8	156.0	128.9	119.1	123.6	134.2	138.7	135.7	134.9
60°	480.1	363.3	214.8	152.2	125.1	116.1	121.3	131.1	134.9	131.1	130.4
62.5°	488.4	365.5	210.3	147.0	122.1	113.1	117.6	127.4	130.4	125.9	125.9
65°	491.4	362.5	203.5	141.7	117.6	110.0	113.8	122.9	125.1	121.3	120.6
67.5°	483.9	354.2	195.2	136.4	113.1	105.5	109.3	117.6	119.8	116.1	115.3
70°	468.0	338.4	184.7	128.9	107.8	101.0	104.0	110.8	113.8	110.8	110.0
72.5°	438.6	318.8	172.6	121.3	101.7	95.7	98.7	104.8	107.8	104.8	104.0
75°	404.0	293.2	159.0	113.1	95.7	90.4	92.7	97.2	100.2	98.7	97.2
77.5°	358.0	262.3	144.7	104.8	89.7	84.4	85.9	90.4	92.7	91.2	91.2
80°	309.8	228.4	130.4	95.7	83.7	79.1	79.1	82.9	85.2	84.4	82.9
82.5°	263.0	195.2	115.3	86.7	76.1	72.4	73.1	74.6	77.6	76.1	75.4
85°	216.3	165.8	101.0	78.4	69.3	66.3	66.3	67.1	69.3	68.6	67.8
87.5°	177.1	136.4	88.2	69.3	62.6	60.3	58.8	60.3	60.3	60.3	58.8
90°	144.0	113.1	76.1	61.8	57.3	54.3	52.8	52.8	52.8	52.0	51.3
92.5°	114.6	93.5	66.3	55.0	51.3	49.0	47.5	46.7	46.0	44.5	44.5
95°	94.2	76.9	57.3	48.2	46.0	43.7	42.2	41.5	39.9	38.4	37.7
97.5°	74.6	64.1	49.0	43.0	40.7	39.2	37.7	36.2	33.9	32.4	31.7
100°	59.5	52.0	42.2	37.7	36.2	34.7	33.2	31.7	29.4	27.1	26.4
102.5°	49.0	43.7	36.2	33.9	32.4	30.9	30.1	27.9	24.9	22.6	22.6
105°	39.9	36.2	31.7	29.4	28.6	27.9	26.4	24.1	21.1	18.8	18.8
107.5°	33.2	30.9	27.1	26.4	25.6	24.9	23.4	21.1	18.1	15.8	15.8
110°	27.9	25.6	23.4	22.6	22.6	21.9	21.1	18.1	15.8	13.6	13.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.4	21.9	21.1	20.3	20.3	19.6	18.8	15.8	13.6	12.1	12.1
115°	19.6	18.8	18.1	18.1	18.1	17.3	16.6	14.3	11.3	10.6	10.6
117.5°	17.3	16.6	15.8	15.8	15.8	15.8	14.3	12.1	9.8	9.0	9.0
120°	15.1	15.1	14.3	14.3	14.3	13.6	12.8	10.6	8.3	8.3	8.3
122.5°	13.6	12.8	12.8	12.8	12.8	12.1	10.6	9.0	7.5	7.5	7.5
125°	12.1	11.3	11.3	11.3	11.3	10.6	9.0	7.5	6.8	6.8	6.8
127.5°	10.6	10.6	9.8	9.8	9.8	9.0	8.3	6.8	6.0	6.0	6.0
130°	9.0	9.0	9.0	9.0	8.3	7.5	6.8	6.0	5.3	5.3	5.3
132.5°	8.3	8.3	7.5	7.5	7.5	6.8	6.0	5.3	4.5	5.3	5.3
135°	6.8	6.8	6.8	6.8	6.0	5.3	5.3	4.5	4.5	4.5	4.5
137.5°	6.0	6.0	6.0	5.3	5.3	4.5	4.5	3.8	3.8	3.8	4.5
140°	5.3	5.3	4.5	4.5	3.8	3.8	3.8	3.0	3.8	3.8	3.8
142.5°	4.5	4.5	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0
145°	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3	3.0	3.0	3.0
147.5°	2.3	2.3	2.3	2.3	1.5	1.5	1.5	2.3	2.3	2.3	2.3
150°	1.5	1.5	1.5	1.5	0.8	0.8	1.5	1.5	2.3	2.3	2.3
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)