

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: P694513

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-727-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2270 lumens
Efficiency: N/A
Efficacy: 104.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

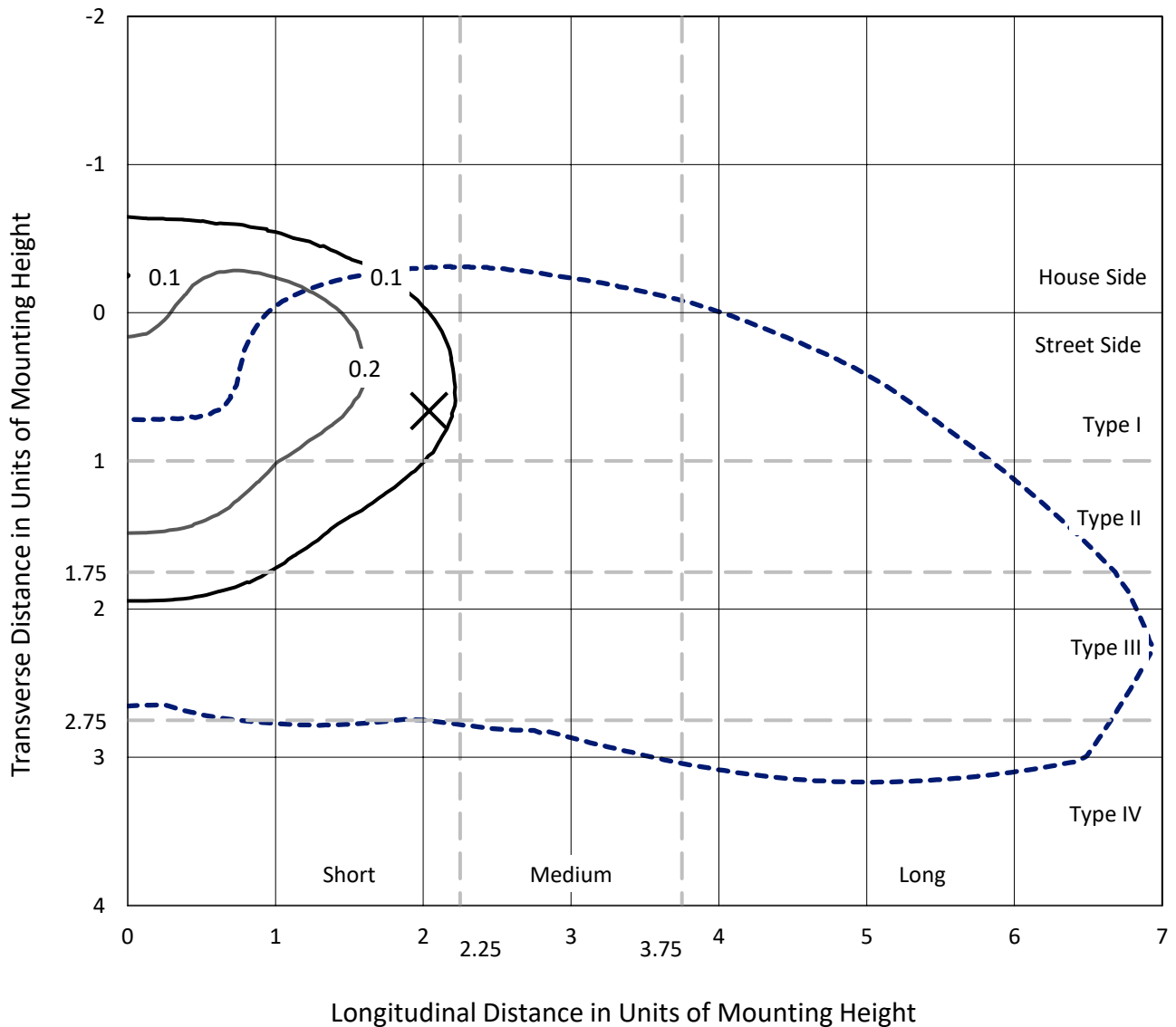
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

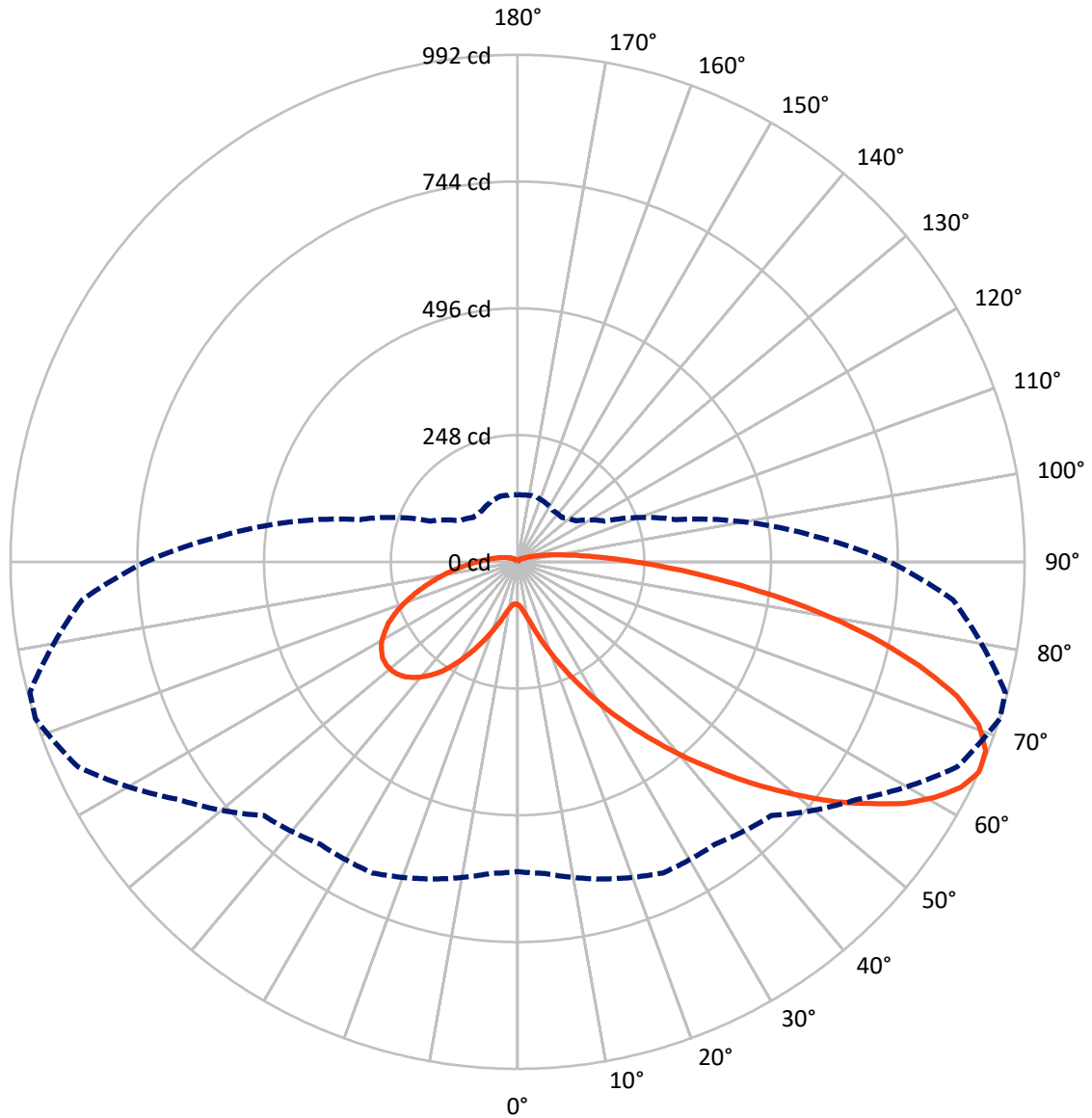
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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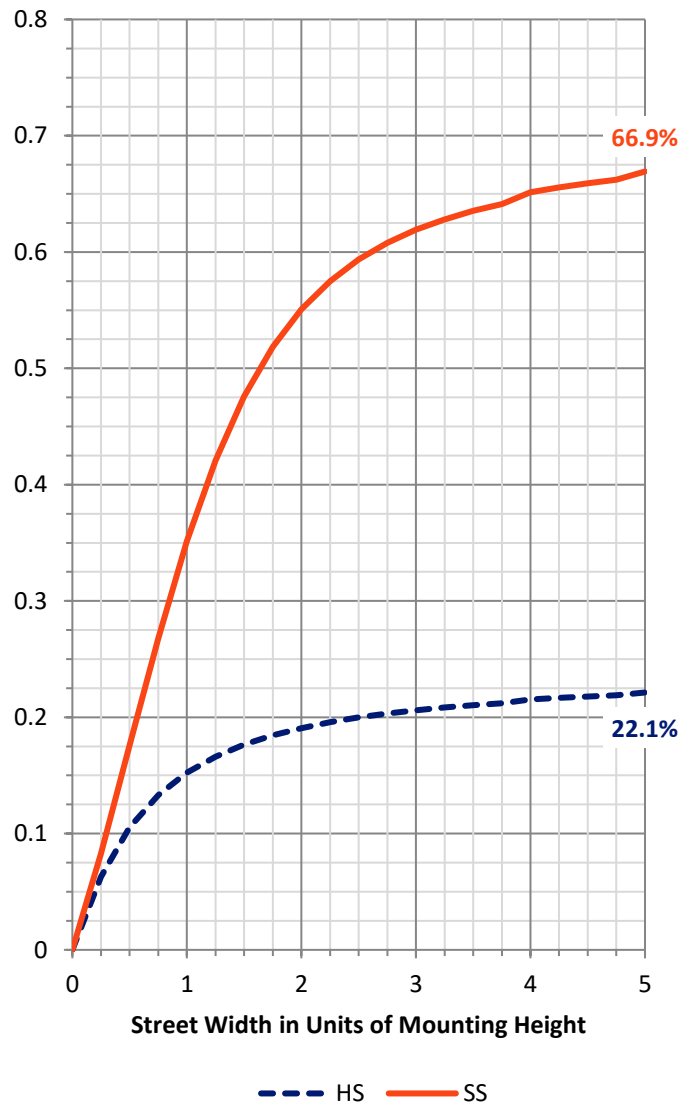
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.5	67.1	597.6
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	1577.5	95.0	1672.4
	% Fixture	69.5	4.2	73.7
Total	Lumens	2108.0	162.0	2270.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.8	0.4
10°-20°	36.9	1.6
20°-30°	95.1	4.2
30°-40°	189.1	8.3
40°-50°	307.9	13.6
50°-60°	426.2	18.8
60°-70°	476.2	21.0
70°-80°	372.8	16.4
80°-90°	195.0	8.6
90°-100°	84.8	3.7
100°-110°	39.1	1.7
110°-120°	19.9	0.9
120°-130°	10.7	0.5
130°-140°	5.4	0.2
140°-150°	2.1	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2108.0	92.9
0°-180°	2270.0	100.0

Coefficient of Utilization



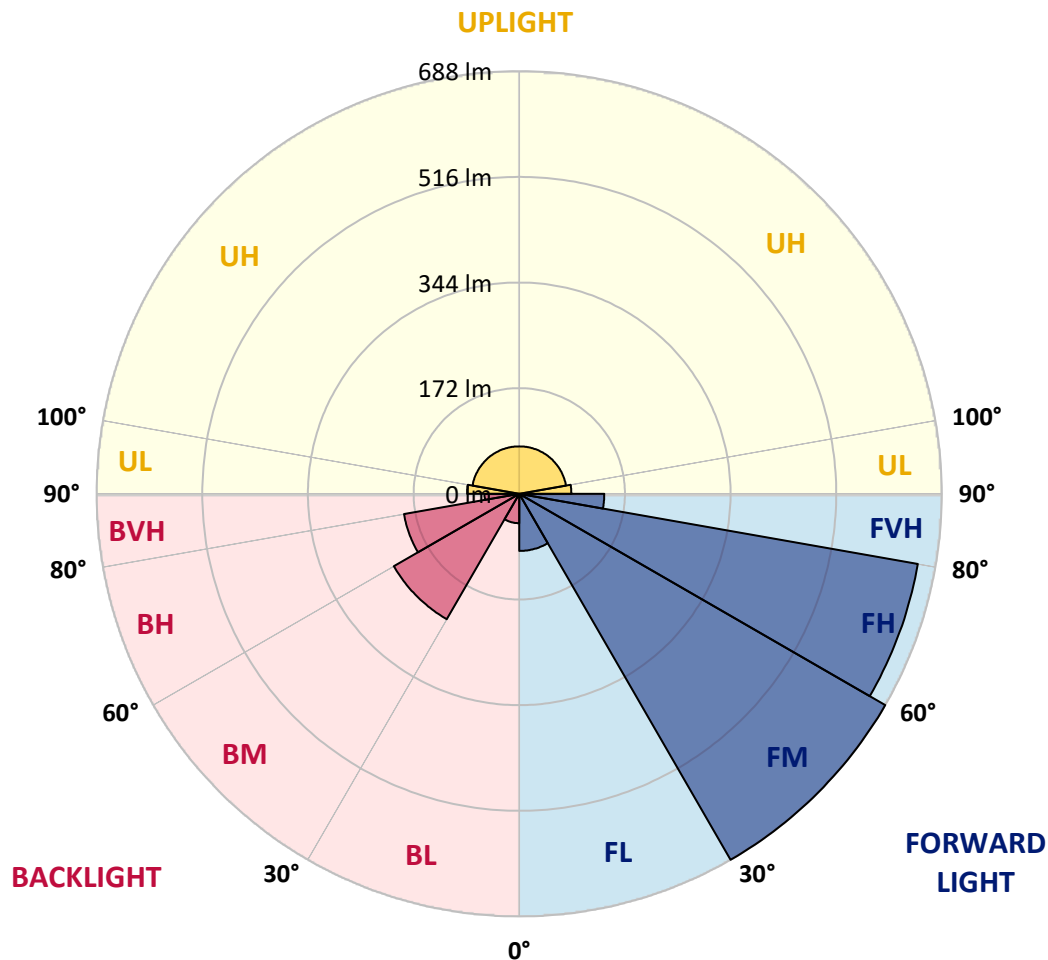
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.9	4.1			
FM (30°-60°)	687.6	30.3			
FH (60°-80°)	658.6	29.0			G0/660
FVH (80°-90°)	138.4	6.1			G2/225
BL (0°-30°)	47.8	2.1	B0/110		
BM (30°-60°)	235.6	10.4	B1/1000		
BH (60°-80°)	190.4	8.4	B1/500		G1/500
BVH (80°-90°)	56.6	2.5			G1/100
UL (90°-100°)	84.8	3.7		U3/500	
UH (100°-180°)	77.2	3.4		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2.5°	90.8	91.6	91.6	90.8	90.8	89.9	89.1	87.4	86.6	86.6	84.9
5°	102.5	103.4	102.5	101.7	100.9	98.3	97.5	95.0	93.3	92.5	89.1
7.5°	117.7	117.7	116.8	115.2	113.5	111.8	107.6	104.2	101.7	100.0	95.8
10°	133.6	133.6	132.8	132.0	129.4	125.2	121.0	116.8	112.6	111.8	105.9
12.5°	155.5	153.8	152.1	149.6	147.1	142.9	137.0	132.0	127.8	126.9	120.2
15°	177.4	178.2	174.8	170.6	167.3	162.2	157.2	153.0	147.9	146.3	137.0
17.5°	202.6	203.4	200.9	197.5	191.6	186.6	179.9	174.0	170.6	167.3	156.3
20°	233.7	233.7	231.1	224.4	218.5	212.7	206.8	200.0	194.2	191.6	179.9
22.5°	266.5	265.6	262.2	253.8	246.3	238.7	233.7	226.9	222.7	219.4	205.9
25°	306.0	303.4	298.4	288.3	278.2	269.0	261.4	258.9	253.0	249.6	237.0
27.5°	344.6	346.3	337.9	324.4	310.2	300.9	294.2	290.8	286.6	284.9	269.0
30°	392.5	389.2	379.9	363.1	342.9	330.3	327.0	326.1	326.1	322.8	306.0
32.5°	437.1	433.7	423.6	403.5	379.1	363.1	360.6	363.1	364.8	364.0	342.9
35°	482.5	479.1	467.3	445.5	412.7	394.2	394.2	404.3	406.8	405.1	384.1
37.5°	525.3	523.7	511.9	482.5	451.4	428.7	432.0	448.0	452.2	451.4	424.5
40°	566.5	566.5	554.8	522.8	485.0	462.3	468.2	492.6	501.0	500.1	470.7
42.5°	608.6	606.9	595.9	564.8	521.1	495.9	506.8	537.1	550.6	552.2	516.9
45°	644.7	643.0	634.6	600.1	556.4	530.4	546.4	587.5	605.2	604.3	562.3
47.5°	675.8	675.0	669.1	637.1	590.9	566.5	589.2	639.7	661.5	661.5	613.6
50°	701.0	701.9	697.7	671.6	622.8	601.0	632.1	692.6	719.5	719.5	662.3
52.5°	717.0	718.7	720.3	696.0	653.1	632.9	673.3	748.1	780.0	779.2	711.9
55°	722.0	723.7	732.1	717.0	677.5	662.3	714.5	801.9	834.7	832.1	757.3
57.5°	713.6	717.0	731.3	726.2	694.3	685.9	748.9	848.1	891.8	889.3	799.4
60°	692.6	696.8	717.0	722.9	701.0	701.9	780.9	894.3	936.4	934.7	832.1
62.5°	655.6	662.3	688.4	704.4	695.1	708.6	801.9	929.6	972.5	970.0	851.5
65°	606.0	611.9	642.2	671.6	674.1	701.9	810.3	949.0	991.8	987.6	854.8
67.5°	547.2	544.7	583.3	621.2	636.3	677.5	799.4	946.5	987.6	980.1	833.8
70°	474.9	474.9	514.4	552.2	584.2	639.7	769.1	919.6	957.4	946.5	793.5
72.5°	390.0	399.3	433.7	478.3	517.8	585.0	722.0	866.6	898.5	885.9	725.4
75°	319.4	327.0	357.2	401.8	447.2	522.0	652.3	790.1	811.1	798.5	642.2
77.5°	256.4	259.7	292.5	330.3	377.4	445.5	569.0	694.3	709.4	696.0	548.0
80°	197.5	205.9	228.6	264.8	310.2	376.6	482.5	582.5	596.8	581.7	448.0
82.5°	155.5	158.0	179.0	213.5	252.2	308.5	396.7	473.2	479.9	462.3	361.4
85°	120.2	121.9	139.5	168.9	202.6	248.0	316.9	372.4	374.0	364.0	282.4
87.5°	91.6	95.0	111.0	134.5	163.1	202.6	249.6	288.3	285.8	278.2	220.2
90°	72.3	74.0	85.7	106.7	130.3	159.7	195.0	220.2	215.2	211.8	166.4
92.5°	57.2	58.0	70.6	86.6	105.9	129.4	153.0	169.8	163.1	160.5	126.9
95°	45.4	47.1	56.3	70.6	86.6	104.2	120.2	128.6	124.4	120.2	98.3
97.5°	37.0	37.8	46.2	58.0	71.4	84.9	95.8	99.2	95.0	93.3	76.5
100°	31.1	31.1	38.7	48.8	58.8	69.8	76.5	78.2	74.8	70.6	58.8
102.5°	26.1	26.1	31.9	41.2	50.4	58.0	62.2	62.2	58.0	55.5	47.1
105°	21.9	22.7	26.9	35.3	42.9	48.8	52.1	49.6	46.2	44.5	37.8
107.5°	19.3	19.3	23.5	30.3	37.0	41.2	42.9	40.3	37.0	34.5	30.3
110°	17.7	17.7	20.2	26.1	31.9	36.1	36.1	33.6	29.4	27.7	25.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	15.1	16.0	17.7	22.7	27.7	31.1	31.1	27.7	24.4	22.7	21.0
115°	14.3	14.3	16.0	20.2	24.4	26.9	26.9	23.5	20.2	19.3	17.7
117.5°	12.6	12.6	14.3	17.7	21.0	23.5	22.7	20.2	16.8	16.0	15.1
120°	11.8	11.8	12.6	15.1	18.5	20.2	19.3	16.8	14.3	13.4	13.4
122.5°	10.9	10.9	11.8	13.4	16.8	17.7	16.8	14.3	12.6	11.8	12.6
125°	10.1	10.1	10.9	12.6	14.3	15.1	14.3	11.8	10.9	10.9	10.9
127.5°	10.1	10.1	10.1	10.9	12.6	13.4	12.6	10.1	9.2	9.2	10.1
130°	9.2	9.2	9.2	10.1	10.9	11.8	10.1	8.4	8.4	8.4	8.4
132.5°	8.4	8.4	8.4	8.4	9.2	9.2	8.4	7.6	7.6	7.6	7.6
135°	7.6	7.6	7.6	7.6	7.6	7.6	6.7	5.9	6.7	6.7	6.7
137.5°	6.7	6.7	6.7	6.7	6.7	5.9	5.9	5.0	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	5.0	5.0	4.2	4.2	4.2	5.0	5.0
142.5°	5.0	5.0	5.0	5.0	4.2	3.4	3.4	3.4	4.2	4.2	4.2
145°	4.2	4.2	4.2	3.4	3.4	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5
150°	2.5	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	1.7	1.7
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°	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2.5°	84.1	84.1	82.4	81.5	80.7	79.9	79.0	78.2	78.2	78.2	78.2
5°	88.3	85.7	83.2	80.7	78.2	76.5	74.0	73.1	72.3	71.4	71.4
7.5°	93.3	91.6	86.6	82.4	78.2	74.8	72.3	69.8	68.1	67.2	67.2
10°	102.5	99.2	93.3	86.6	80.7	75.6	71.4	68.1	66.4	65.6	65.6
12.5°	116.0	111.0	102.5	93.3	84.9	78.2	73.1	68.9	66.4	66.4	65.6
15°	132.0	126.1	115.2	103.4	91.6	82.4	76.5	73.1	70.6	69.8	69.8
17.5°	150.5	144.6	130.3	114.3	101.7	89.9	82.4	78.2	75.6	74.0	74.0
20°	173.2	164.7	146.3	127.8	111.0	100.0	89.1	84.1	80.7	79.0	78.2
22.5°	197.5	188.3	165.6	142.1	122.7	108.4	96.7	89.1	84.9	84.1	83.2
25°	226.9	213.5	185.8	157.2	134.5	116.8	103.4	94.1	90.8	89.1	89.1
27.5°	258.0	242.1	207.6	173.2	145.4	123.6	108.4	99.2	95.8	95.0	94.1
30°	290.8	272.3	230.3	190.8	155.5	130.3	114.3	105.1	100.9	100.0	100.0
32.5°	327.0	305.1	253.0	204.3	163.1	134.5	117.7	109.3	105.1	105.1	105.1
35°	362.3	337.1	276.5	218.5	169.8	137.8	121.0	113.5	109.3	110.1	110.1
37.5°	400.1	372.4	296.7	228.6	174.8	140.4	122.7	116.8	114.3	114.3	114.3
40°	441.3	401.8	315.2	236.2	176.5	141.2	124.4	119.4	117.7	117.7	118.5
42.5°	480.8	436.2	331.2	242.1	177.4	141.2	125.2	121.9	121.0	121.0	121.0
45°	520.3	466.5	345.5	243.8	176.5	140.4	126.1	123.6	123.6	123.6	123.6
47.5°	563.2	496.8	355.5	242.9	174.0	138.7	126.1	124.4	126.1	125.2	125.2
50°	601.0	525.3	362.3	240.4	170.6	137.0	125.2	126.1	127.8	126.9	126.9
52.5°	640.5	550.6	365.6	234.5	165.6	134.5	125.2	126.9	128.6	127.8	127.8
55°	675.8	572.4	365.6	227.8	161.4	132.8	125.2	127.8	130.3	129.4	129.4
57.5°	704.4	587.5	359.8	218.5	155.5	130.3	124.4	127.8	131.1	130.3	130.3
60°	726.2	595.9	351.3	209.3	150.5	127.8	123.6	127.8	132.0	130.3	131.1
62.5°	735.5	595.1	336.2	198.4	145.4	125.2	122.7	127.8	132.0	131.1	131.1
65°	727.1	580.8	319.4	188.3	139.5	122.7	121.9	127.8	132.8	131.1	131.1
67.5°	702.7	553.1	297.6	175.7	133.6	120.2	120.2	126.9	132.0	130.3	130.3
70°	658.1	512.7	272.3	164.7	127.8	116.8	117.7	124.4	129.4	129.4	128.6
72.5°	598.5	460.6	244.6	152.1	121.9	112.6	114.3	121.9	126.1	126.1	125.2
75°	528.7	400.1	216.9	140.4	115.2	108.4	110.1	116.8	121.9	121.0	120.2
77.5°	445.5	338.7	190.0	127.8	107.6	102.5	105.1	111.8	116.0	114.3	113.5
80°	369.0	284.9	165.6	115.2	100.0	96.7	99.2	104.2	107.6	106.7	105.9
82.5°	295.0	230.3	140.4	103.4	92.5	89.9	92.5	96.7	99.2	98.3	96.7
85°	229.5	186.6	120.2	91.6	84.1	82.4	84.9	88.3	89.9	88.3	87.4
87.5°	180.7	146.3	100.0	80.7	75.6	74.8	76.5	79.9	81.5	79.9	77.3
90°	141.2	117.7	84.9	71.4	68.1	68.1	68.9	71.4	71.4	69.8	68.9
92.5°	110.1	94.1	71.4	62.2	60.5	60.5	62.2	63.0	63.0	60.5	59.7
95°	86.6	75.6	60.5	54.6	53.8	53.8	55.5	55.5	54.6	52.1	51.3
97.5°	68.1	61.4	52.1	47.9	47.1	47.9	48.8	48.8	47.1	44.5	43.7
100°	54.6	50.4	43.7	42.0	42.0	42.9	42.9	42.0	40.3	37.8	37.8
102.5°	44.5	41.2	37.8	37.0	37.0	37.8	37.8	37.0	35.3	31.9	31.9
105°	36.1	33.6	31.9	31.9	32.8	32.8	32.8	31.9	29.4	26.9	26.9
107.5°	29.4	28.6	27.7	27.7	28.6	29.4	29.4	27.7	25.2	23.5	23.5
110°	24.4	24.4	24.4	24.4	25.2	26.1	26.1	24.4	21.9	20.2	20.2

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.0	20.2	21.0	21.9	22.7	23.5	22.7	21.0	18.5	17.7	17.7
115°	17.7	17.7	18.5	19.3	20.2	20.2	20.2	18.5	16.0	15.1	15.1
117.5°	16.0	16.0	16.0	16.8	17.7	18.5	17.7	16.0	13.4	13.4	13.4
120°	13.4	13.4	14.3	15.1	16.0	16.0	15.1	13.4	11.8	11.8	11.8
122.5°	12.6	12.6	12.6	13.4	14.3	14.3	13.4	11.8	10.1	10.9	10.9
125°	10.9	10.9	10.9	11.8	12.6	12.6	11.8	10.1	9.2	9.2	9.2
127.5°	10.1	10.1	10.1	10.1	10.9	10.9	10.1	9.2	8.4	8.4	8.4
130°	9.2	9.2	9.2	9.2	9.2	9.2	8.4	7.6	7.6	7.6	7.6
132.5°	7.6	7.6	7.6	7.6	8.4	8.4	7.6	6.7	6.7	6.7	6.7
135°	6.7	6.7	6.7	6.7	6.7	6.7	5.9	5.9	5.9	5.9	5.9
137.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.0
140°	5.0	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2	5.0	5.0
142.5°	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2	4.2	4.2
145°	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4	3.4	3.4	3.4
147.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	3.4	3.4
150°	1.7	1.7	1.7	1.7	0.8	0.8	1.7	1.7	2.5	2.5	2.5
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

(END OF REPORT)