

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: P694543

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694543
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-PA16-20-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 2466 lumens
Efficiency: N/A
Efficacy: 113.1 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

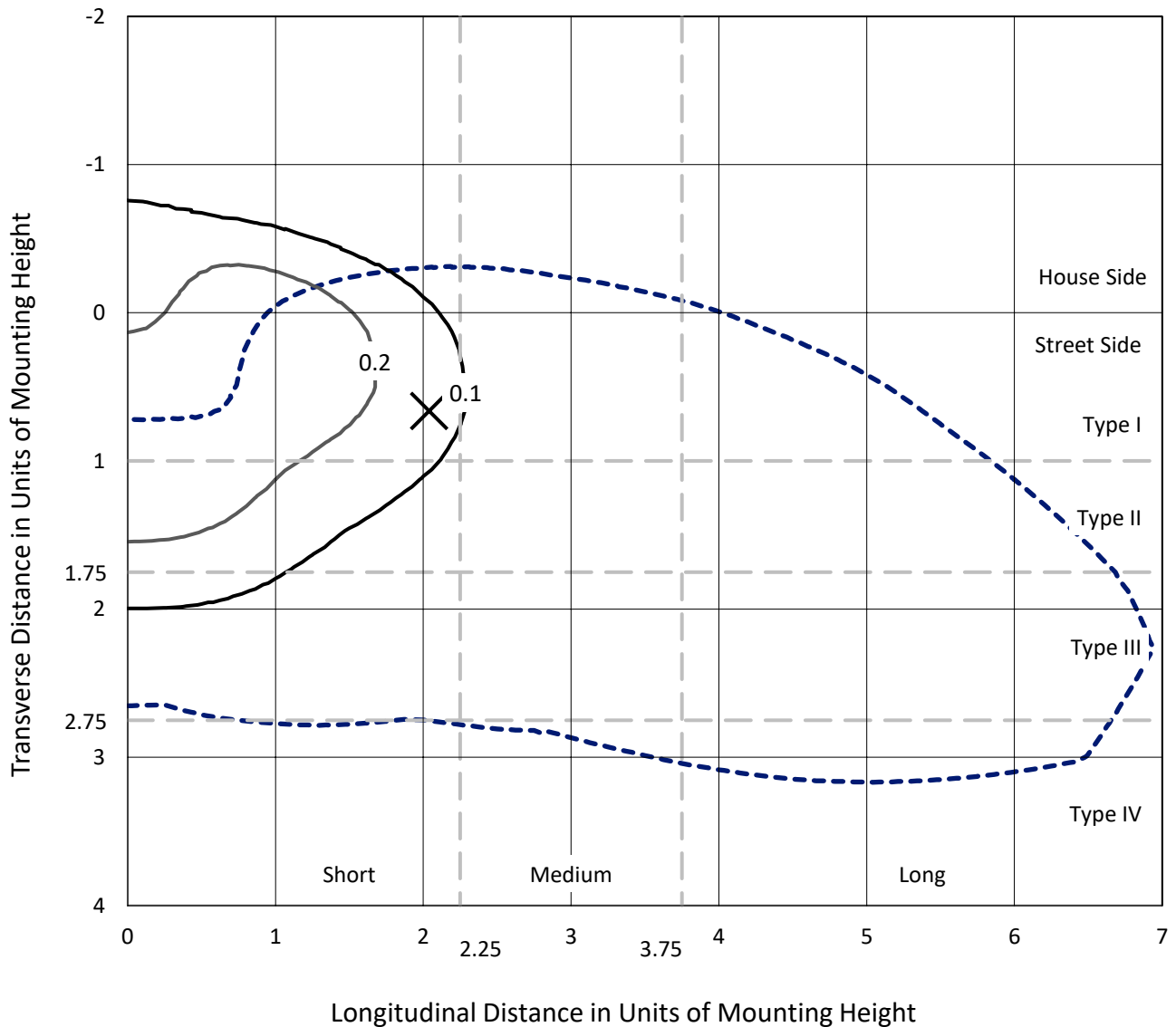
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

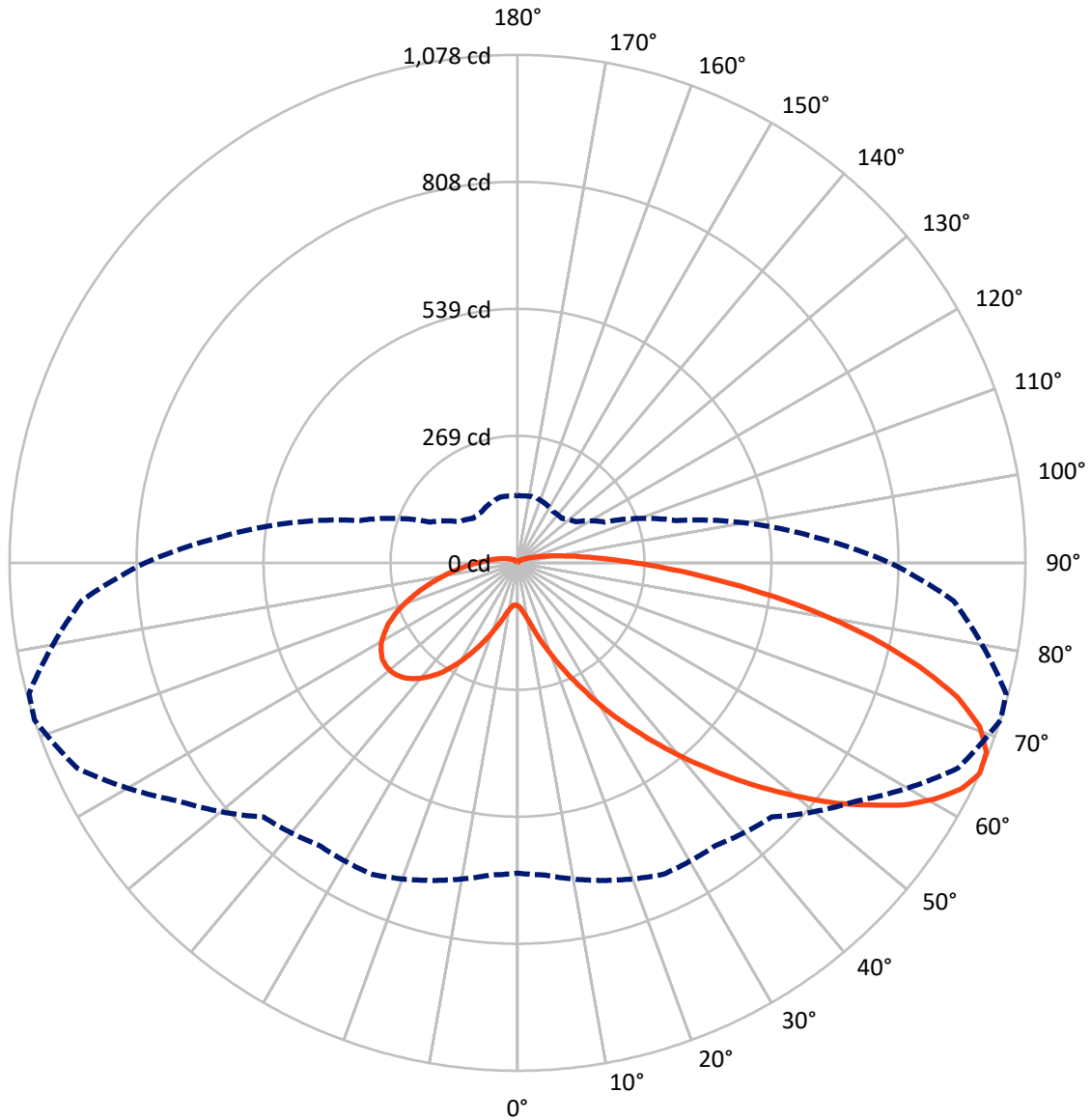
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 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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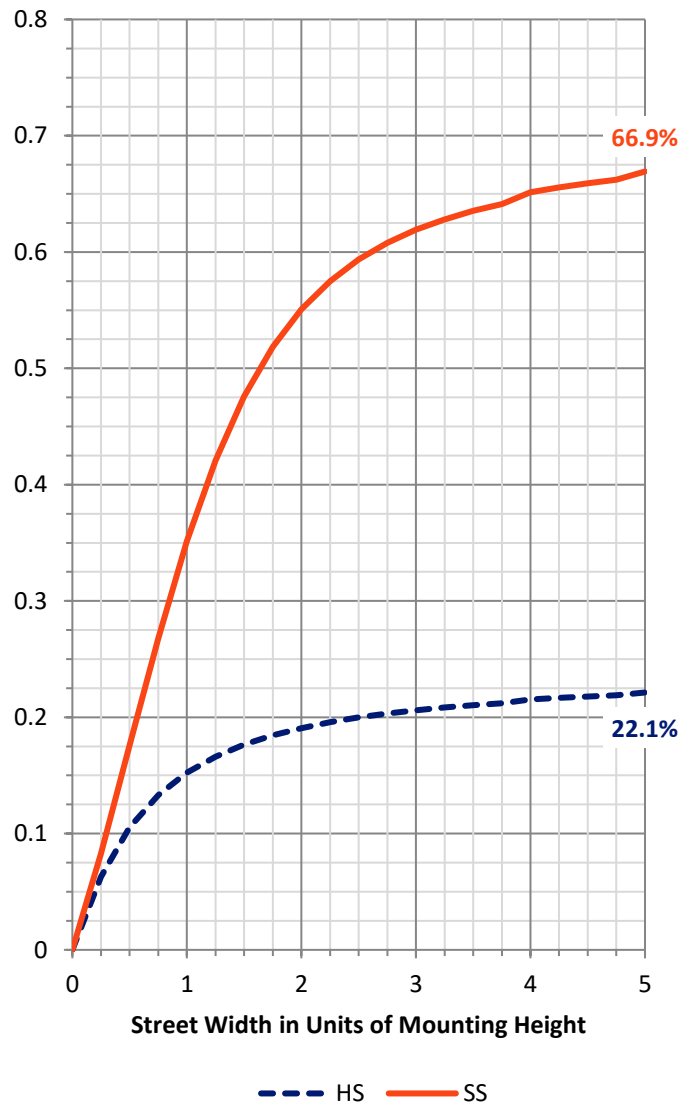
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.3	72.9	649.2
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	1713.7	103.2	1816.8
	% Fixture	69.5	4.2	73.7
Total	Lumens	2290.0	176.0	2466.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.4
10°-20°	40.1	1.6
20°-30°	103.3	4.2
30°-40°	205.5	8.3
40°-50°	334.5	13.6
50°-60°	463.0	18.8
60°-70°	517.3	21.0
70°-80°	405.0	16.4
80°-90°	211.8	8.6
90°-100°	92.1	3.7
100°-110°	42.5	1.7
110°-120°	21.6	0.9
120°-130°	11.6	0.5
130°-140°	5.8	0.2
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2290.0	92.9
0°-180°	2466.0	100.0

Coefficient of Utilization



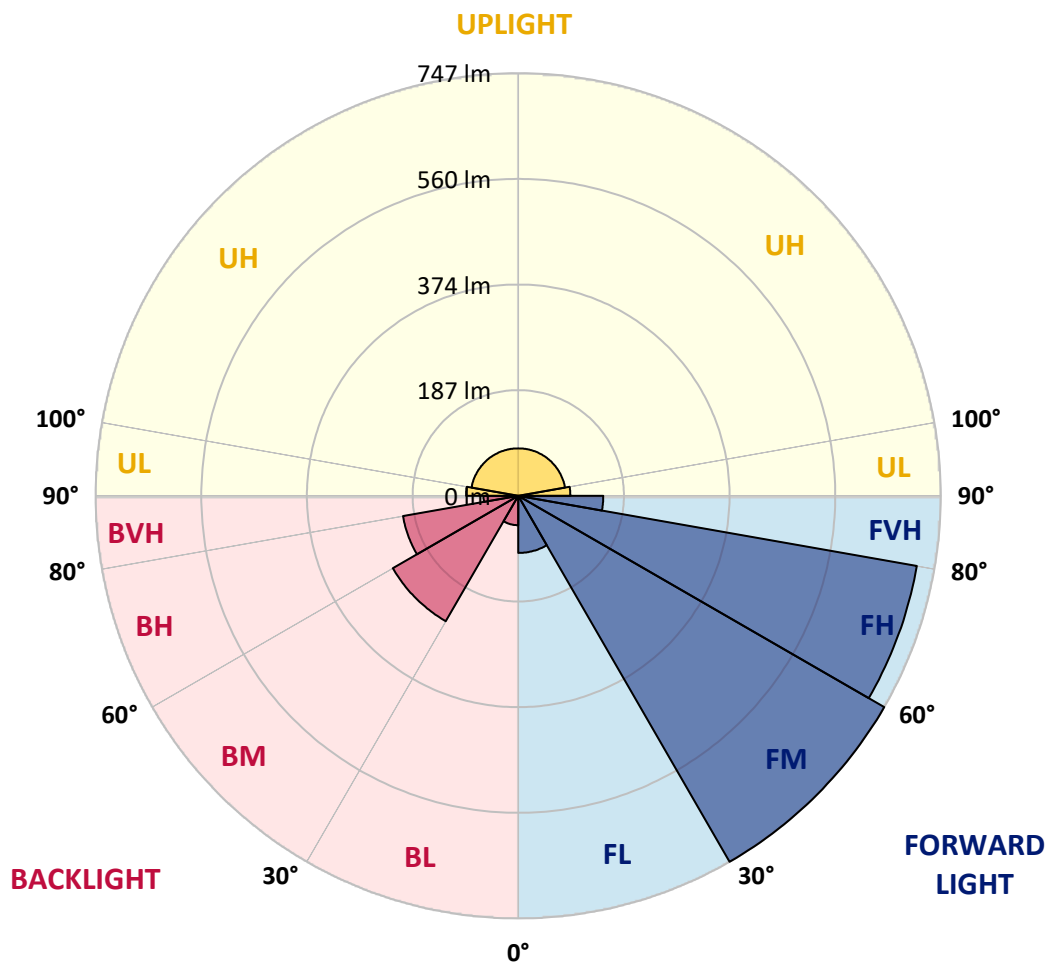
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	101.0	4.1			
FM	(30°-60°)	747.0	30.3			
FH	(60°-80°)	715.4	29.0			G1/1800
FVH	(80°-90°)	150.3	6.1			G2/225
BL	(0°-30°)	52.0	2.1	B0/110		
BM	(30°-60°)	256.0	10.4	B1/1000		
BH	(60°-80°)	206.8	8.4	B1/500		G1/500
BVH	(80°-90°)	61.5	2.5			G1/100
UL	(90°-100°)	92.1	3.7		U3/500	
UH	(100°-180°)	83.9	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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	98.6	99.5	99.5	98.6	98.6	97.7	96.8	95.0	94.1	94.1	92.2
5°	111.4	112.3	111.4	110.5	109.6	106.8	105.9	103.2	101.4	100.4	96.8
7.5°	127.8	127.8	126.9	125.1	123.3	121.4	116.9	113.2	110.5	108.7	104.1
10°	145.2	145.2	144.3	143.4	140.6	136.1	131.5	126.9	122.4	121.4	115.1
12.5°	168.9	167.1	165.3	162.5	159.8	155.2	148.8	143.4	138.8	137.9	130.6
15°	192.7	193.6	189.9	185.4	181.7	176.2	170.8	166.2	160.7	158.9	148.8
17.5°	220.1	221.0	218.2	214.6	208.2	202.7	195.4	189.0	185.4	181.7	169.8
20°	253.8	253.8	251.1	243.8	237.4	231.0	224.6	217.3	210.9	208.2	195.4
22.5°	289.5	288.5	284.9	275.8	267.5	259.3	253.8	246.5	242.0	238.3	223.7
25°	332.4	329.6	324.2	313.2	302.2	292.2	284.0	281.2	274.8	271.2	257.5
27.5°	374.4	376.2	367.1	352.5	336.9	326.9	319.6	315.9	311.4	309.5	292.2
30°	426.4	422.8	412.7	394.5	372.6	358.9	355.2	354.3	354.3	350.6	332.4
32.5°	474.8	471.2	460.2	438.3	411.8	394.5	391.7	394.5	396.3	395.4	372.6
35°	524.1	520.5	507.7	484.0	448.3	428.3	428.3	439.2	441.9	440.1	417.3
37.5°	570.7	568.9	556.1	524.1	490.3	465.7	469.3	486.7	491.3	490.3	461.1
40°	615.4	615.4	602.7	568.0	526.9	502.2	508.6	535.1	544.2	543.3	511.3
42.5°	661.1	659.3	647.4	613.6	566.1	538.7	550.6	583.5	598.1	599.9	561.6
45°	700.4	698.5	689.4	652.0	604.5	576.2	593.5	638.3	657.4	656.5	610.9
47.5°	734.1	733.2	726.8	692.1	641.9	615.4	640.1	694.9	718.6	718.6	666.6
50°	761.5	762.5	757.9	729.6	676.6	652.9	686.7	752.4	781.6	781.6	719.5
52.5°	778.9	780.7	782.5	756.1	709.5	687.6	731.4	812.7	847.4	846.5	773.4
55°	784.4	786.2	795.3	778.9	736.0	719.5	776.1	871.1	906.7	904.0	822.7
57.5°	775.2	778.9	794.4	788.9	754.2	745.1	813.6	921.3	968.8	966.1	868.4
60°	752.4	757.0	778.9	785.3	761.5	762.5	848.3	971.6	1017.2	1015.4	904.0
62.5°	712.2	719.5	747.8	765.2	755.1	769.8	871.1	1009.9	1056.5	1053.7	925.0
65°	658.4	664.7	697.6	729.6	732.3	762.5	880.2	1030.9	1077.5	1072.9	928.6
67.5°	594.4	591.7	633.7	674.8	691.2	736.0	868.4	1028.2	1072.9	1064.7	905.8
70°	515.9	515.9	558.8	599.9	634.6	694.9	835.5	999.0	1040.0	1028.2	862.0
72.5°	423.7	433.7	471.2	519.6	562.5	635.5	784.4	941.4	976.1	962.4	788.0
75°	347.0	355.2	388.1	436.5	485.8	567.0	708.6	858.3	881.2	867.5	697.6
77.5°	278.5	282.2	317.8	358.9	410.0	484.0	618.2	754.2	770.7	756.1	595.4
80°	214.6	223.7	248.4	287.6	336.9	409.1	524.1	632.8	648.3	631.9	486.7
82.5°	168.9	171.7	194.5	231.9	273.9	335.1	431.0	514.1	521.4	502.2	392.6
85°	130.6	132.4	151.6	183.5	220.1	269.4	344.2	404.5	406.3	395.4	306.8
87.5°	99.5	103.2	120.5	146.1	177.1	220.1	271.2	313.2	310.5	302.2	239.2
90°	78.5	80.4	93.1	116.0	141.5	173.5	211.8	239.2	233.8	230.1	180.8
92.5°	62.1	63.0	76.7	94.1	115.1	140.6	166.2	184.4	177.1	174.4	137.9
95°	49.3	51.1	61.2	76.7	94.1	113.2	130.6	139.7	135.1	130.6	106.8
97.5°	40.2	41.1	50.2	63.0	77.6	92.2	104.1	107.7	103.2	101.4	83.1
100°	33.8	33.8	42.0	53.0	63.9	75.8	83.1	84.9	81.3	76.7	63.9
102.5°	28.3	28.3	34.7	44.7	54.8	63.0	67.6	67.6	63.0	60.3	51.1
105°	23.7	24.7	29.2	38.4	46.6	53.0	56.6	53.9	50.2	48.4	41.1
107.5°	21.0	21.0	25.6	32.9	40.2	44.7	46.6	43.8	40.2	37.4	32.9
110°	19.2	19.2	21.9	28.3	34.7	39.3	39.3	36.5	32.0	30.1	27.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	16.4	17.3	19.2	24.7	30.1	33.8	33.8	30.1	26.5	24.7	22.8
115°	15.5	15.5	17.3	21.9	26.5	29.2	29.2	25.6	21.9	21.0	19.2
117.5°	13.7	13.7	15.5	19.2	22.8	25.6	24.7	21.9	18.3	17.3	16.4
120°	12.8	12.8	13.7	16.4	20.1	21.9	21.0	18.3	15.5	14.6	14.6
122.5°	11.9	11.9	12.8	14.6	18.3	19.2	18.3	15.5	13.7	12.8	13.7
125°	11.0	11.0	11.9	13.7	15.5	16.4	15.5	12.8	11.9	11.9	11.9
127.5°	11.0	11.0	11.0	11.9	13.7	14.6	13.7	11.0	10.0	10.0	11.0
130°	10.0	10.0	10.0	11.0	11.9	12.8	11.0	9.1	9.1	9.1	9.1
132.5°	9.1	9.1	9.1	9.1	10.0	10.0	9.1	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	7.3	6.4	7.3	7.3	7.3
137.5°	7.3	7.3	7.3	7.3	7.3	6.4	6.4	5.5	6.4	6.4	6.4
140°	6.4	6.4	6.4	6.4	5.5	5.5	4.6	4.6	4.6	5.5	5.5
142.5°	5.5	5.5	5.5	5.5	4.6	3.7	3.7	3.7	4.6	4.6	4.6
145°	4.6	4.6	4.6	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7
150°	2.7	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	91.3	91.3	89.5	88.6	87.7	86.7	85.8	84.9	84.9	84.9	84.9
5°	95.9	93.1	90.4	87.7	84.9	83.1	80.4	79.4	78.5	77.6	77.6
7.5°	101.4	99.5	94.1	89.5	84.9	81.3	78.5	75.8	74.0	73.0	73.0
10°	111.4	107.7	101.4	94.1	87.7	82.2	77.6	74.0	72.1	71.2	71.2
12.5°	126.0	120.5	111.4	101.4	92.2	84.9	79.4	74.9	72.1	72.1	71.2
15°	143.4	137.0	125.1	112.3	99.5	89.5	83.1	79.4	76.7	75.8	75.8
17.5°	163.4	157.1	141.5	124.2	110.5	97.7	89.5	84.9	82.2	80.4	80.4
20°	188.1	179.0	158.9	138.8	120.5	108.7	96.8	91.3	87.7	85.8	84.9
22.5°	214.6	204.5	179.9	154.3	133.3	117.8	105.0	96.8	92.2	91.3	90.4
25°	246.5	231.9	201.8	170.8	146.1	126.9	112.3	102.3	98.6	96.8	96.8
27.5°	280.3	263.0	225.5	188.1	158.0	134.2	117.8	107.7	104.1	103.2	102.3
30°	315.9	295.9	250.2	207.3	168.9	141.5	124.2	114.1	109.6	108.7	108.7
32.5°	355.2	331.5	274.8	221.9	177.1	146.1	127.8	118.7	114.1	114.1	114.1
35°	393.6	366.2	300.4	237.4	184.4	149.8	131.5	123.3	118.7	119.6	119.6
37.5°	434.6	404.5	322.3	248.4	189.9	152.5	133.3	126.9	124.2	124.2	124.2
40°	479.4	436.5	342.4	256.6	191.8	153.4	135.1	129.7	127.8	127.8	128.7
42.5°	522.3	473.9	359.8	263.0	192.7	153.4	136.1	132.4	131.5	131.5	131.5
45°	565.2	506.8	375.3	264.8	191.8	152.5	137.0	134.2	134.2	134.2	134.2
47.5°	611.8	539.7	386.2	263.9	189.0	150.7	137.0	135.1	137.0	136.1	136.1
50°	652.9	570.7	393.6	261.2	185.4	148.8	136.1	137.0	138.8	137.9	137.9
52.5°	695.8	598.1	397.2	254.8	179.9	146.1	136.1	137.9	139.7	138.8	138.8
55°	734.1	621.8	397.2	247.5	175.3	144.3	136.1	138.8	141.5	140.6	140.6
57.5°	765.2	638.3	390.8	237.4	168.9	141.5	135.1	138.8	142.4	141.5	141.5
60°	788.9	647.4	381.7	227.4	163.4	138.8	134.2	138.8	143.4	141.5	142.4
62.5°	799.0	646.5	365.2	215.5	158.0	136.1	133.3	138.8	143.4	142.4	142.4
65°	789.8	631.0	347.0	204.5	151.6	133.3	132.4	138.8	144.3	142.4	142.4
67.5°	763.4	600.8	323.2	190.8	145.2	130.6	130.6	137.9	143.4	141.5	141.5
70°	715.0	557.0	295.9	179.0	138.8	126.9	127.8	135.1	140.6	140.6	139.7
72.5°	650.1	500.4	265.7	165.3	132.4	122.4	124.2	132.4	137.0	137.0	136.1
75°	574.4	434.6	235.6	152.5	125.1	117.8	119.6	126.9	132.4	131.5	130.6
77.5°	484.0	368.0	206.4	138.8	116.9	111.4	114.1	121.4	126.0	124.2	123.3
80°	400.9	309.5	179.9	125.1	108.7	105.0	107.7	113.2	116.9	116.0	115.1
82.5°	320.5	250.2	152.5	112.3	100.4	97.7	100.4	105.0	107.7	106.8	105.0
85°	249.3	202.7	130.6	99.5	91.3	89.5	92.2	95.9	97.7	95.9	95.0
87.5°	196.3	158.9	108.7	87.7	82.2	81.3	83.1	86.7	88.6	86.7	84.0
90°	153.4	127.8	92.2	77.6	74.0	74.0	74.9	77.6	77.6	75.8	74.9
92.5°	119.6	102.3	77.6	67.6	65.7	65.7	67.6	68.5	68.5	65.7	64.8
95°	94.1	82.2	65.7	59.4	58.4	58.4	60.3	60.3	59.4	56.6	55.7
97.5°	74.0	66.7	56.6	52.0	51.1	52.0	53.0	53.0	51.1	48.4	47.5
100°	59.4	54.8	47.5	45.7	45.7	46.6	46.6	45.7	43.8	41.1	41.1
102.5°	48.4	44.7	41.1	40.2	40.2	41.1	41.1	40.2	38.4	34.7	34.7
105°	39.3	36.5	34.7	34.7	35.6	35.6	35.6	34.7	32.0	29.2	29.2
107.5°	32.0	31.0	30.1	30.1	31.0	32.0	32.0	30.1	27.4	25.6	25.6
110°	26.5	26.5	26.5	26.5	27.4	28.3	28.3	26.5	23.7	21.9	21.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.8	21.9	22.8	23.7	24.7	25.6	24.7	22.8	20.1	19.2	19.2
115°	19.2	19.2	20.1	21.0	21.9	21.9	21.9	20.1	17.3	16.4	16.4
117.5°	17.3	17.3	17.3	18.3	19.2	20.1	19.2	17.3	14.6	14.6	14.6
120°	14.6	14.6	15.5	16.4	17.3	17.3	16.4	14.6	12.8	12.8	12.8
122.5°	13.7	13.7	13.7	14.6	15.5	15.5	14.6	12.8	11.0	11.9	11.9
125°	11.9	11.9	11.9	12.8	13.7	13.7	12.8	11.0	10.0	10.0	10.0
127.5°	11.0	11.0	11.0	11.0	11.9	11.9	11.0	10.0	9.1	9.1	9.1
130°	10.0	10.0	10.0	10.0	10.0	10.0	9.1	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	8.2	9.1	9.1	8.2	7.3	7.3	7.3	7.3
135°	7.3	7.3	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4
137.5°	6.4	6.4	6.4	6.4	6.4	6.4	5.5	5.5	5.5	5.5	5.5
140°	5.5	5.5	5.5	5.5	5.5	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	4.6	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6	4.6	4.6
145°	3.7	3.7	3.7	3.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	3.7	3.7
150°	1.8	1.8	1.8	1.8	0.9	0.9	1.8	1.8	2.7	2.7	2.7
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

(END OF REPORT)