

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: P694503

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2227 lumens
Efficiency: N/A
Efficacy: 102.2 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

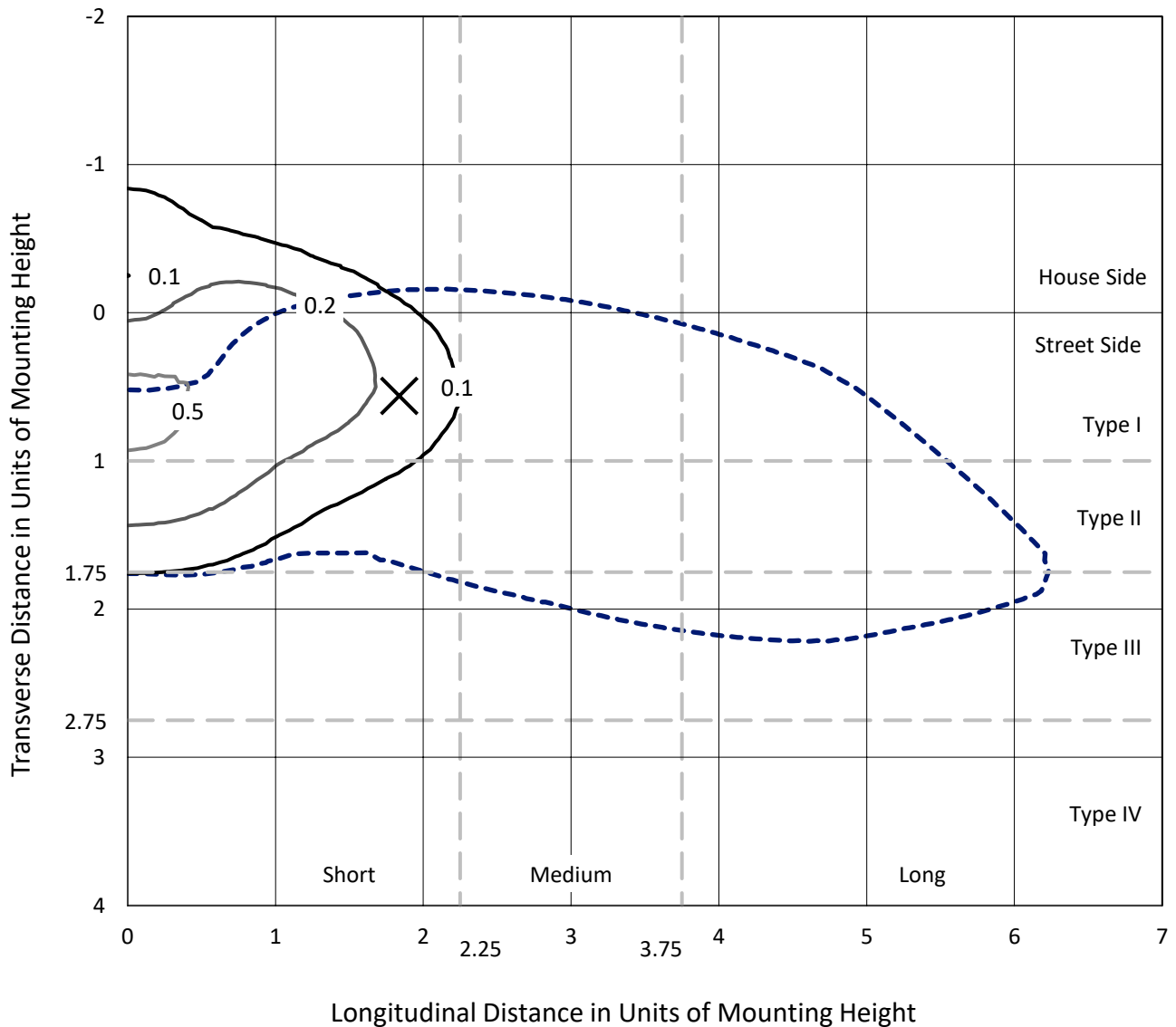
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

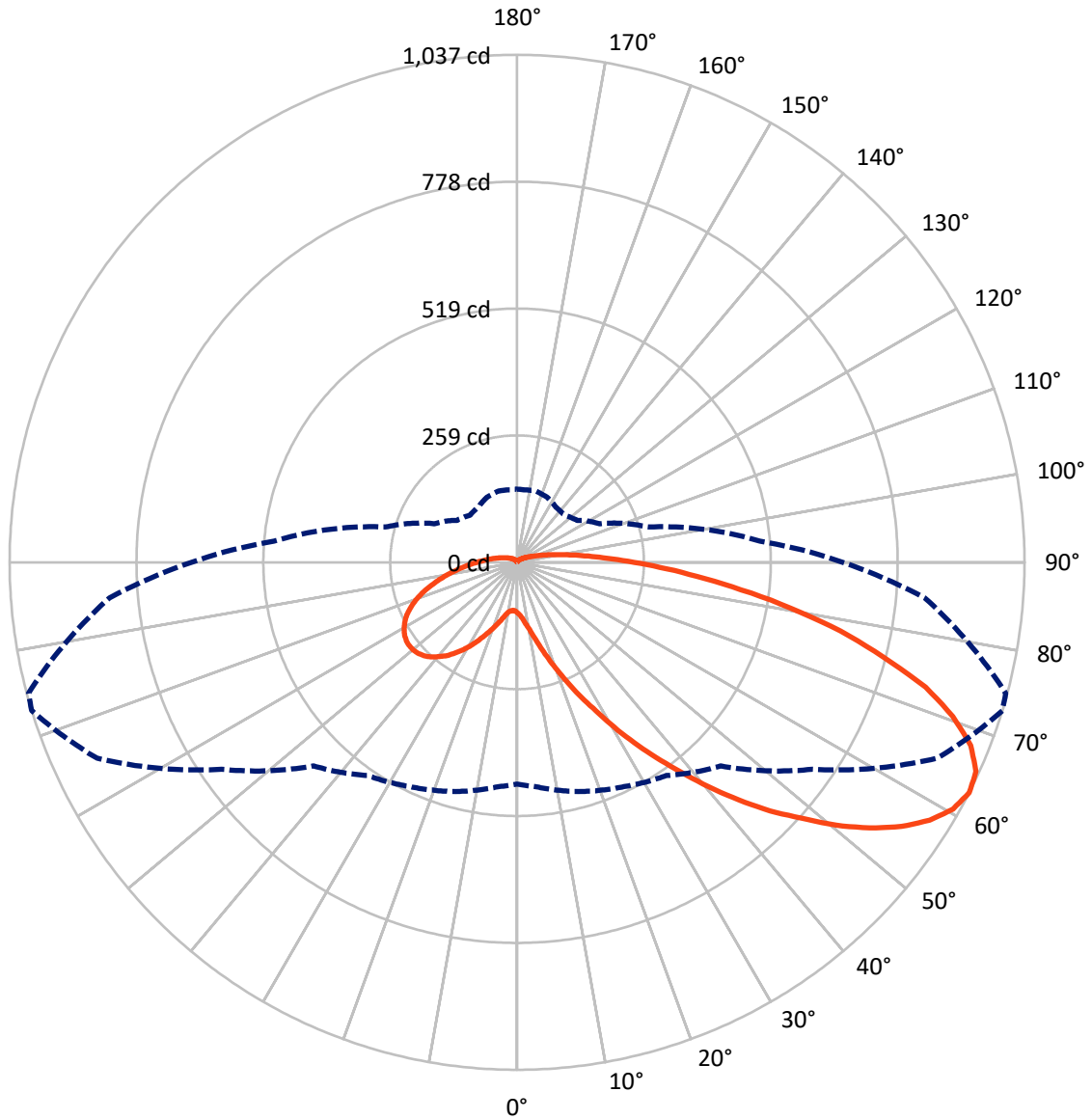
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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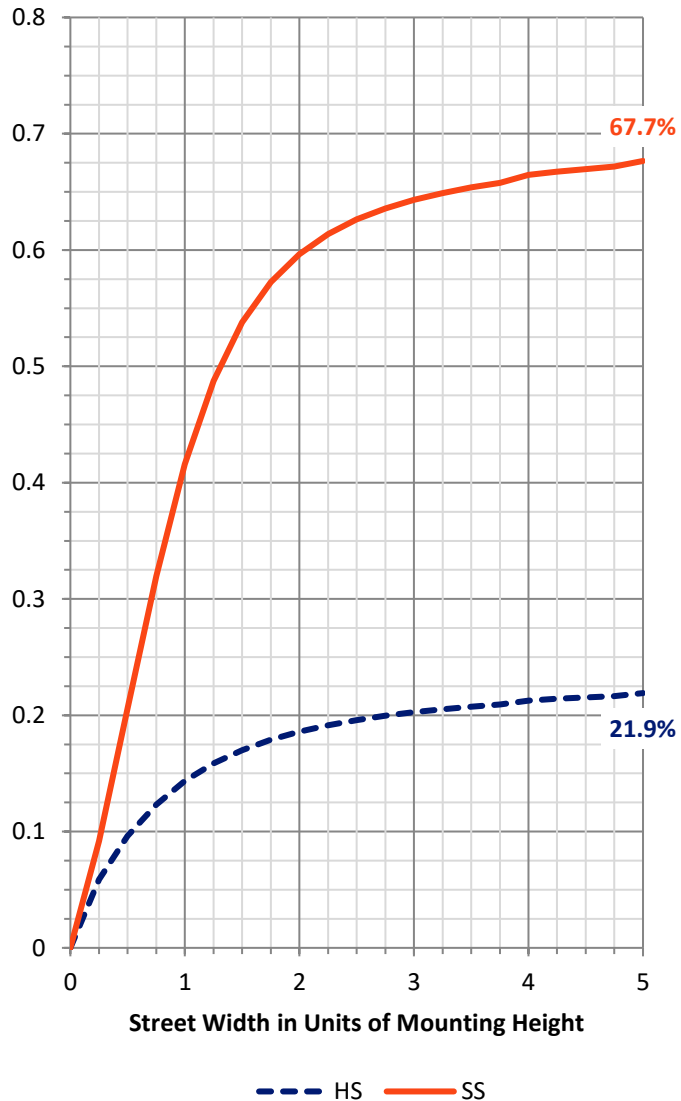
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	515.1	67.4	582.5
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	1550.4	94.1	1644.5
	% Fixture	69.6	4.2	73.8
Total	Lumens	2065.5	161.5	2227.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.5
10°-20°	45.4	2.0
20°-30°	117.1	5.3
30°-40°	229.3	10.3
40°-50°	350.2	15.7
50°-60°	426.6	19.2
60°-70°	412.5	18.5
70°-80°	304.7	13.7
80°-90°	168.9	7.6
90°-100°	80.2	3.6
100°-110°	39.5	1.8
110°-120°	21.2	1.0
120°-130°	11.8	0.5
130°-140°	6.1	0.3
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2065.5	92.7
0°-180°	2227.0	100.0

Coefficient of Utilization



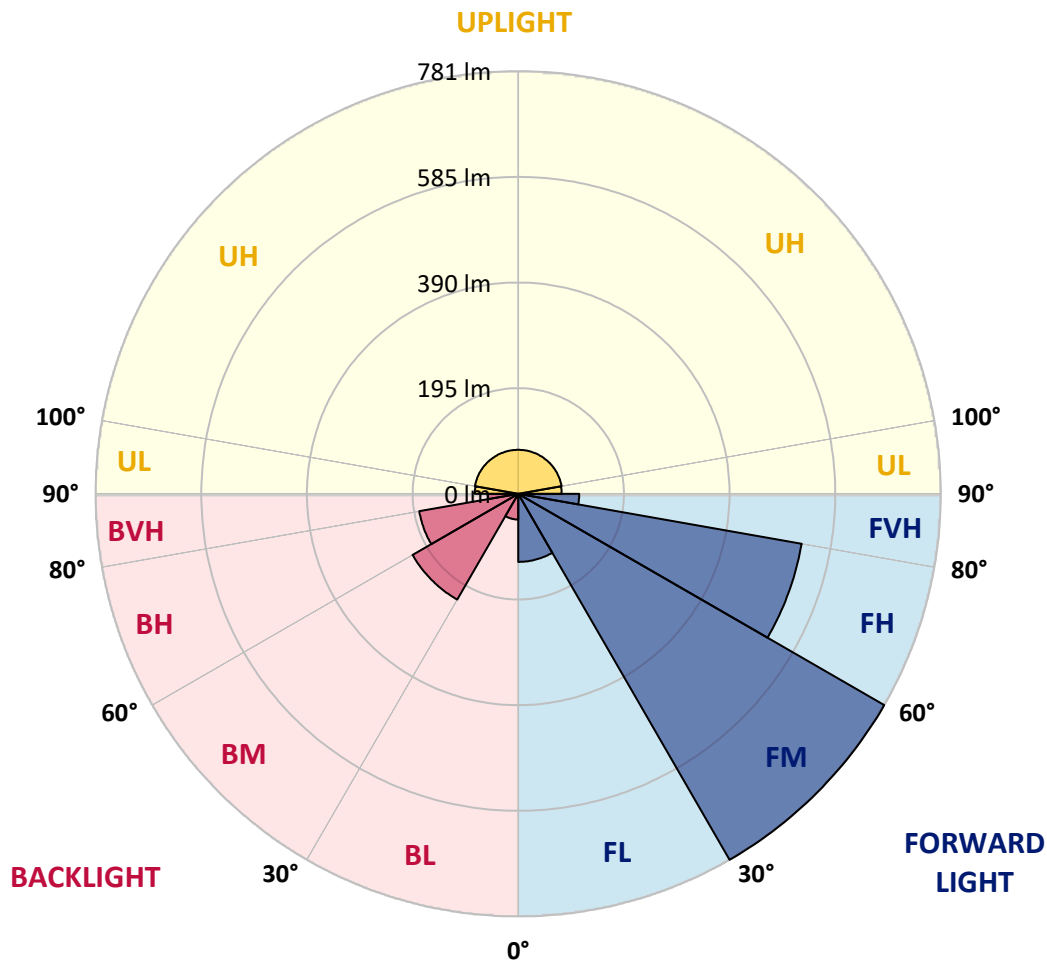
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.8	5.6			
FM (30°-60°)	780.5	35.0			
FH (60°-80°)	531.6	23.9			G0/660
FVH (80°-90°)	112.5	5.1			G2/225
BL (0°-30°)	47.5	2.1	B0/110		
BM (30°-60°)	225.6	10.1	B1/1000		
BH (60°-80°)	185.7	8.3	B1/500		G1/500
BVH (80°-90°)	56.4	2.5			G1/100
UL (90°-100°)	80.2	3.6		U3/500	
UH (100°-180°)	81.2	3.6		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°	73°	75°	85°
0°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
2.5°	116.9	116.0	116.9	116.0	114.3	112.7	111.0	108.5	107.6	106.8	104.2
5°	136.2	137.0	136.2	132.8	131.2	127.8	124.4	119.4	115.2	114.3	109.3
7.5°	159.7	158.9	158.1	155.5	151.3	145.4	139.6	132.8	126.9	125.3	116.9
10°	187.5	185.0	185.8	179.9	174.9	167.3	159.7	149.6	139.6	137.9	126.9
12.5°	219.4	218.6	216.9	209.3	201.8	193.4	181.6	169.0	158.1	154.7	141.2
15°	258.1	254.7	253.1	244.6	234.6	223.6	209.3	194.2	180.8	178.2	158.9
17.5°	301.0	296.8	291.7	280.8	270.7	256.4	239.6	222.8	206.8	203.5	179.1
20°	345.5	343.9	338.0	324.5	309.4	294.2	275.8	255.6	235.4	231.2	203.5
22.5°	399.3	397.7	387.6	370.8	352.3	334.6	313.6	291.7	269.0	262.3	229.5
25°	458.2	453.1	441.4	420.4	399.3	375.0	353.9	330.4	306.0	297.6	259.8
27.5°	517.9	513.7	497.7	474.2	445.6	418.7	395.1	372.4	343.9	339.6	290.9
30°	576.7	576.7	555.7	528.8	491.0	460.7	438.0	417.0	390.9	385.0	328.7
32.5°	635.6	633.9	616.2	580.1	538.1	502.7	480.9	463.2	439.7	428.8	369.9
35°	690.2	689.4	665.8	627.2	580.9	543.9	525.4	513.7	490.1	480.9	411.1
37.5°	740.7	737.3	711.2	671.7	615.4	579.2	568.3	567.5	543.9	532.2	454.8
40°	775.1	772.6	749.9	705.4	647.3	612.0	611.2	620.4	603.6	591.0	500.2
42.5°	796.2	792.8	774.3	730.6	672.6	639.8	649.9	673.4	664.2	649.9	546.5
45°	801.2	798.7	783.5	743.2	689.4	662.5	684.3	726.4	724.7	711.2	591.9
47.5°	788.6	788.6	778.5	744.9	696.1	677.6	718.0	777.7	781.0	774.3	639.8
50°	764.2	762.5	760.0	733.1	693.6	686.0	744.0	829.8	844.9	834.8	689.4
52.5°	723.0	722.2	724.7	709.6	681.0	685.2	762.5	874.3	902.1	892.8	731.4
55°	668.4	666.7	677.6	673.4	656.6	675.1	771.8	910.5	953.4	945.0	772.6
57.5°	602.8	599.4	620.4	628.0	623.0	655.8	771.8	935.7	994.6	987.0	804.6
60°	527.1	529.6	551.5	572.5	578.4	626.3	759.2	948.3	1024.0	1018.9	825.6
62.5°	453.1	460.7	485.1	506.9	532.2	588.5	737.3	947.5	1037.4	1034.1	836.5
65°	382.5	390.9	415.3	445.6	476.7	543.9	703.7	927.3	1030.7	1029.0	831.5
67.5°	316.9	322.8	348.1	383.4	420.4	494.3	656.6	889.5	1000.4	1001.3	807.9
70°	260.6	264.0	290.9	326.2	364.0	438.9	600.3	829.8	945.0	947.5	763.4
72.5°	214.4	220.3	240.4	273.2	313.6	388.4	540.6	757.5	873.5	872.7	703.7
75°	174.9	178.2	199.2	228.7	264.0	334.6	475.8	670.9	772.6	779.3	626.3
77.5°	141.2	143.8	164.8	190.8	225.3	287.5	409.4	580.9	675.9	674.2	544.8
80°	114.3	117.7	135.4	158.9	190.0	244.6	346.4	486.8	566.6	568.3	453.1
82.5°	91.6	95.0	111.0	132.0	162.3	205.1	290.9	407.7	461.5	461.5	374.1
85°	73.1	76.5	91.6	110.1	134.5	174.0	238.8	326.2	368.2	370.8	302.7
87.5°	59.7	61.4	74.8	92.5	113.5	146.3	196.7	258.1	291.7	288.4	237.9
90°	47.9	49.6	61.4	76.5	95.8	122.7	160.6	208.5	226.2	225.3	185.8
92.5°	39.5	40.4	51.3	65.6	81.5	103.4	132.0	162.3	175.7	174.9	147.1
95°	32.8	33.6	43.7	55.5	69.8	87.4	107.6	130.3	138.7	137.0	115.2
97.5°	27.7	27.7	37.0	47.9	60.5	74.0	90.0	104.2	108.5	107.6	92.5
100°	23.5	23.5	31.1	42.0	53.0	63.9	74.8	83.2	84.9	85.8	73.1
102.5°	20.2	21.0	27.7	37.0	45.4	54.6	62.2	68.1	68.1	67.3	58.0
105°	18.5	18.5	23.5	31.9	40.4	47.1	53.0	56.3	54.6	53.0	46.2
107.5°	16.0	16.0	21.0	28.6	35.3	41.2	45.4	46.2	43.7	42.9	38.7
110°	14.3	15.1	18.5	25.2	31.9	36.2	38.7	38.7	36.2	35.3	31.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	13.5	13.5	16.8	22.7	27.7	31.9	33.6	32.8	30.3	29.4	26.9
115°	12.6	12.6	15.1	20.2	25.2	28.6	29.4	27.7	25.2	24.4	22.7
117.5°	11.8	11.8	13.5	17.7	22.7	25.2	26.1	23.5	21.0	21.0	20.2
120°	10.9	10.9	12.6	16.0	20.2	22.7	22.7	20.2	18.5	17.7	17.7
122.5°	10.9	10.9	11.8	14.3	17.7	19.3	20.2	17.7	16.0	15.1	15.1
125°	10.1	10.1	10.9	12.6	16.0	17.7	16.8	15.1	13.5	13.5	13.5
127.5°	10.1	10.1	10.1	11.8	13.5	15.1	15.1	13.5	11.8	11.8	12.6
130°	9.2	9.2	9.2	10.1	11.8	13.5	12.6	10.9	10.1	10.1	10.9
132.5°	9.2	9.2	9.2	9.2	10.1	11.8	10.9	9.2	9.2	9.2	9.2
135°	8.4	8.4	8.4	8.4	9.2	9.2	9.2	8.4	7.6	8.4	8.4
137.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	6.7	6.7	6.7	7.6
140°	6.7	6.7	6.7	6.7	5.9	5.9	5.9	5.0	5.9	5.9	6.7
142.5°	6.7	6.7	5.9	5.9	5.0	5.0	4.2	4.2	5.0	5.0	5.0
145°	5.9	5.9	5.0	4.2	3.4	3.4	3.4	3.4	3.4	4.2	4.2
147.5°	4.2	4.2	4.2	3.4	2.5	1.7	1.7	2.5	2.5	2.5	3.4
150°	3.4	3.4	3.4	2.5	1.7	0.8	0.8	1.7	1.7	1.7	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4	103.4
2.5°	103.4	102.6	100.0	98.4	96.7	95.8	94.2	93.3	93.3	92.5	93.3
5°	106.8	104.2	99.2	95.0	90.8	87.4	84.9	83.2	82.4	81.5	80.7
7.5°	112.7	108.5	100.9	94.2	87.4	82.4	78.2	75.7	74.0	72.3	72.3
10°	121.1	115.2	104.2	95.0	86.6	79.9	74.0	70.6	68.9	67.3	67.3
12.5°	133.7	126.1	111.8	97.5	87.4	79.0	73.1	68.9	67.3	66.4	65.6
15°	149.6	140.4	121.9	105.1	90.8	79.9	74.0	72.3	70.6	69.8	69.8
17.5°	168.1	155.5	132.8	112.7	96.7	84.9	79.0	76.5	75.7	74.8	74.0
20°	188.3	174.0	145.4	121.1	103.4	93.3	84.9	82.4	81.5	80.7	80.7
22.5°	212.7	193.4	158.9	130.3	111.8	100.0	92.5	88.3	87.4	87.4	86.6
25°	237.9	216.9	174.0	140.4	120.2	107.6	99.2	95.0	94.2	95.0	95.0
27.5°	267.3	240.4	190.0	151.3	128.6	113.5	105.9	101.7	101.7	103.4	103.4
30°	299.3	264.8	206.0	162.3	136.2	119.4	111.8	109.3	110.1	111.0	111.8
32.5°	330.4	290.9	221.1	173.2	142.1	124.4	117.7	116.9	117.7	119.4	119.4
35°	366.5	320.3	236.2	182.4	147.1	128.6	122.7	123.6	125.3	126.9	127.8
37.5°	402.7	346.4	251.4	189.2	151.3	132.8	127.8	129.5	131.2	134.5	134.5
40°	437.2	373.3	263.1	195.0	154.7	135.4	131.2	134.5	137.9	139.6	139.6
42.5°	473.3	400.2	275.8	199.2	157.2	137.9	134.5	139.6	142.9	143.8	143.8
45°	510.3	422.9	285.0	202.6	158.9	139.6	137.0	142.1	146.3	147.1	147.1
47.5°	543.1	443.9	291.7	203.5	158.9	140.4	138.7	144.6	148.8	148.8	148.8
50°	577.6	464.9	295.9	204.3	159.7	141.2	139.6	146.3	150.5	149.6	150.5
52.5°	607.0	481.7	297.6	202.6	158.9	140.4	140.4	148.0	152.2	150.5	150.5
55°	633.1	494.3	296.8	200.1	157.2	140.4	140.4	148.0	152.2	150.5	150.5
57.5°	652.4	501.9	293.4	196.7	155.5	139.6	140.4	148.0	152.2	150.5	150.5
60°	664.2	502.7	286.7	192.5	153.0	137.9	138.7	147.1	151.3	149.6	149.6
62.5°	665.8	498.5	278.3	186.6	149.6	136.2	137.9	146.3	150.5	148.8	149.6
65°	656.6	485.9	267.3	179.9	146.3	133.7	136.2	144.6	148.8	148.0	148.0
67.5°	633.1	464.1	252.2	171.5	141.2	130.3	133.7	141.2	147.1	145.4	145.4
70°	595.2	433.8	236.2	162.3	134.5	126.1	129.5	137.9	142.9	142.1	142.1
72.5°	545.6	397.7	216.9	151.3	127.8	121.1	125.3	132.8	137.0	137.0	136.2
75°	485.9	357.3	195.9	139.6	120.2	115.2	120.2	126.1	129.5	128.6	127.8
77.5°	422.0	313.6	175.7	127.8	111.8	108.5	112.7	119.4	121.1	120.2	118.5
80°	357.3	269.0	155.5	115.2	102.6	100.0	104.2	109.3	111.0	108.5	107.6
82.5°	298.5	224.5	135.4	103.4	93.3	91.6	95.8	99.2	99.2	97.5	95.0
85°	241.3	189.2	118.5	91.6	84.1	83.2	86.6	88.3	87.4	84.9	82.4
87.5°	194.2	154.7	101.7	81.5	74.8	74.0	76.5	77.3	75.7	72.3	70.6
90°	157.2	126.9	87.4	72.3	66.4	66.4	67.3	67.3	64.7	60.5	58.8
92.5°	125.3	104.2	75.7	63.1	59.7	58.0	58.8	58.0	54.6	52.1	49.6
95°	100.9	85.8	65.6	56.3	53.0	51.3	52.1	50.4	46.2	42.9	41.2
97.5°	81.5	70.6	56.3	49.6	47.1	45.4	45.4	42.9	40.4	36.2	34.5
100°	65.6	58.0	48.8	43.7	41.2	40.4	39.5	37.8	34.5	30.3	29.4
102.5°	53.0	48.8	42.0	38.7	37.0	36.2	35.3	32.8	29.4	25.2	25.2
105°	43.7	41.2	37.0	34.5	32.8	31.9	31.1	28.6	25.2	21.9	21.9
107.5°	36.2	34.5	31.9	30.3	29.4	28.6	27.7	25.2	21.9	18.5	19.3
110°	31.1	29.4	27.7	26.9	26.9	26.1	24.4	22.7	19.3	16.8	16.8

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.1	25.2	24.4	24.4	23.5	22.7	21.9	19.3	16.8	15.1	15.1
115°	22.7	21.9	21.9	21.9	21.0	21.0	19.3	17.7	14.3	13.5	13.5
117.5°	19.3	19.3	19.3	19.3	19.3	18.5	17.7	15.1	12.6	11.8	11.8
120°	17.7	17.7	16.8	16.8	16.8	16.8	15.1	13.5	10.9	10.9	10.9
122.5°	15.1	15.1	15.1	15.1	15.1	14.3	13.5	11.8	10.1	10.1	10.1
125°	13.5	13.5	13.5	14.3	13.5	13.5	11.8	10.1	8.4	9.2	9.2
127.5°	12.6	12.6	12.6	11.8	11.8	11.8	10.1	8.4	7.6	8.4	8.4
130°	10.9	10.9	10.9	10.9	10.9	10.1	9.2	7.6	6.7	7.6	7.6
132.5°	10.1	10.1	10.1	9.2	9.2	8.4	7.6	6.7	5.9	6.7	6.7
135°	8.4	8.4	8.4	8.4	7.6	7.6	6.7	5.0	5.9	5.9	5.9
137.5°	7.6	7.6	7.6	6.7	6.7	5.9	5.0	4.2	5.0	5.0	5.0
140°	6.7	6.7	6.7	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	2.5	3.4	3.4	3.4
150°	2.5	2.5	2.5	1.7	1.7	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)