

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: P694953

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694953
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-PA16-30-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA 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: 2584 lumens
Efficiency: N/A
Efficacy: 88.5 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

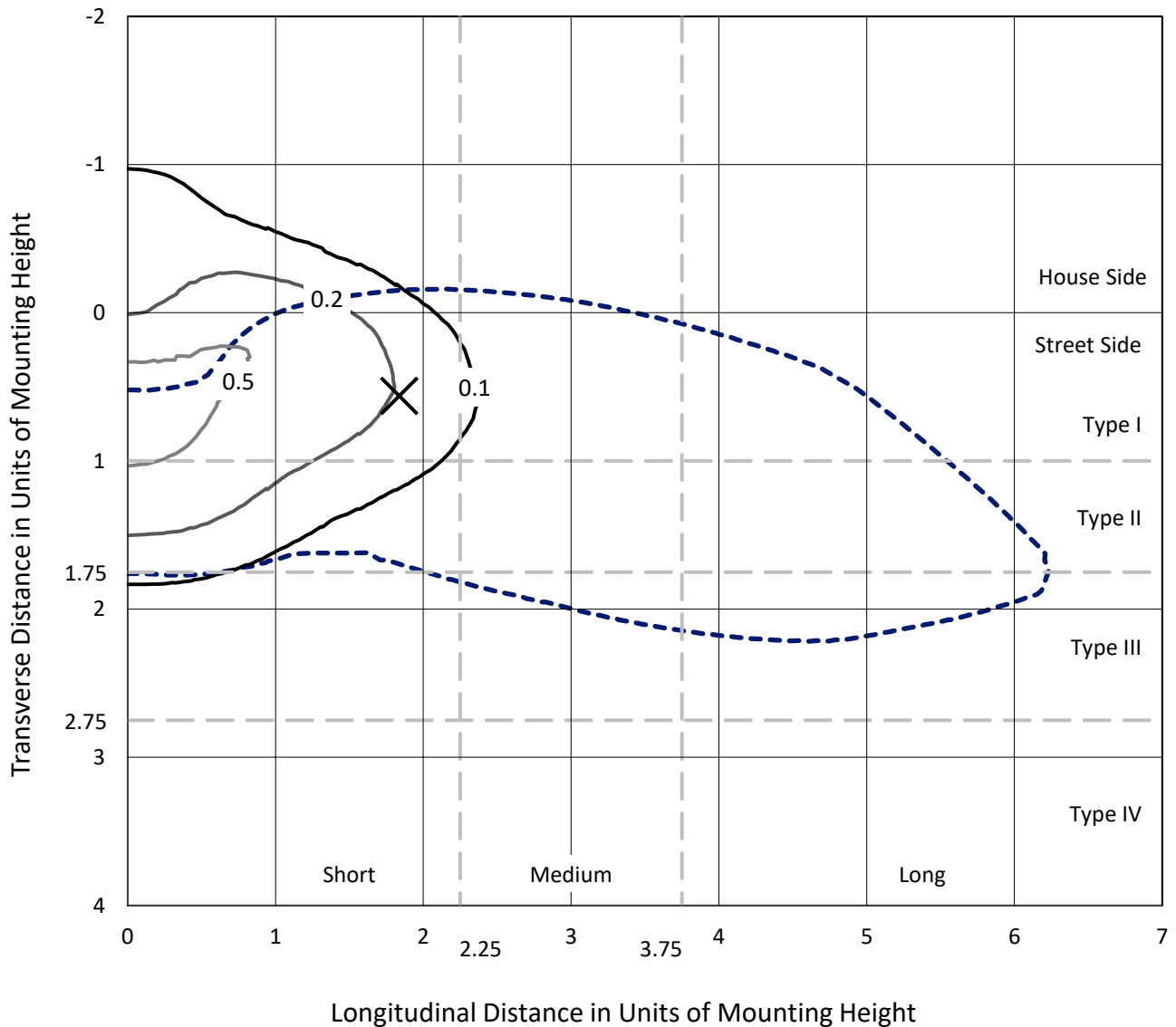
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

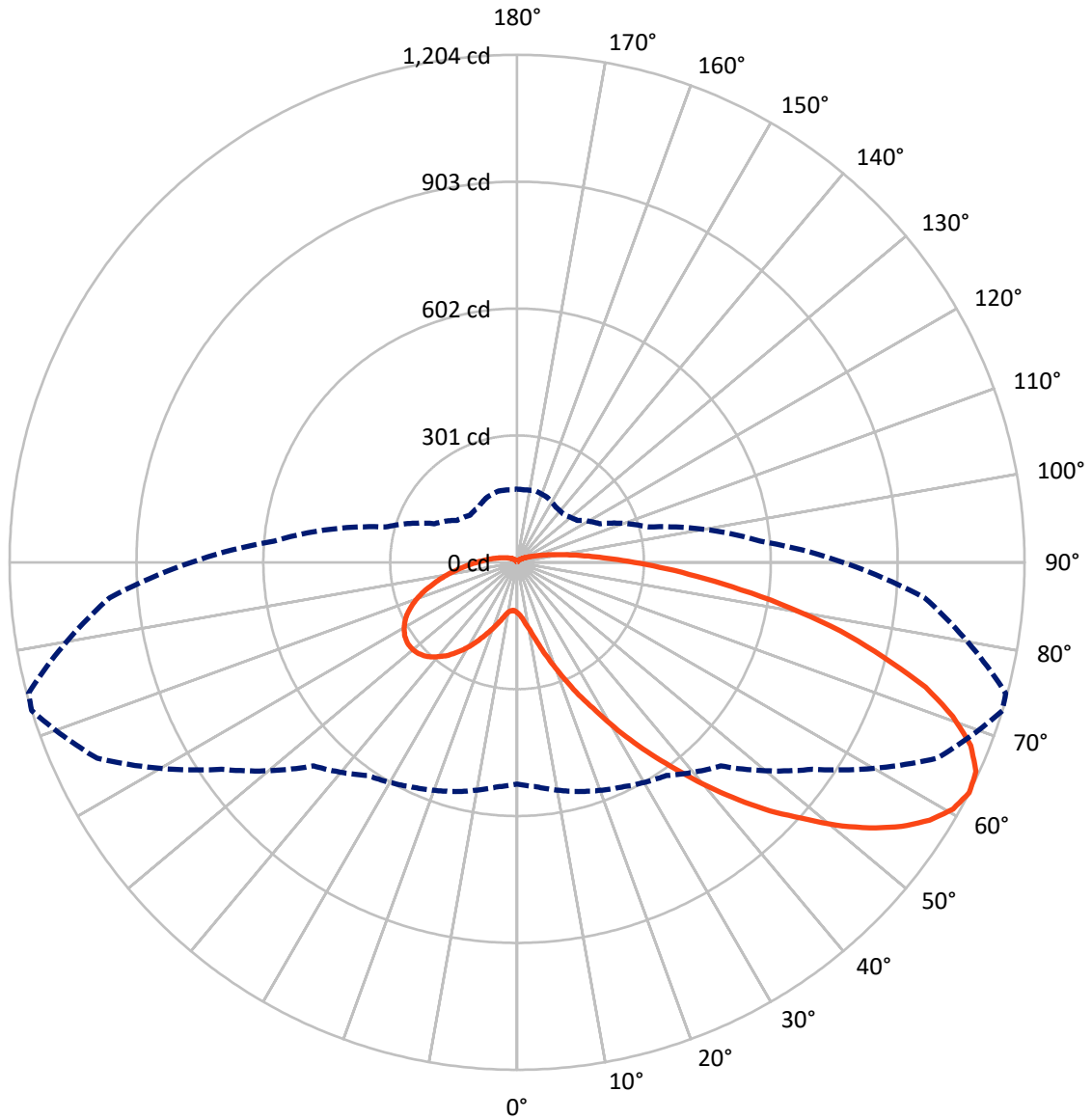
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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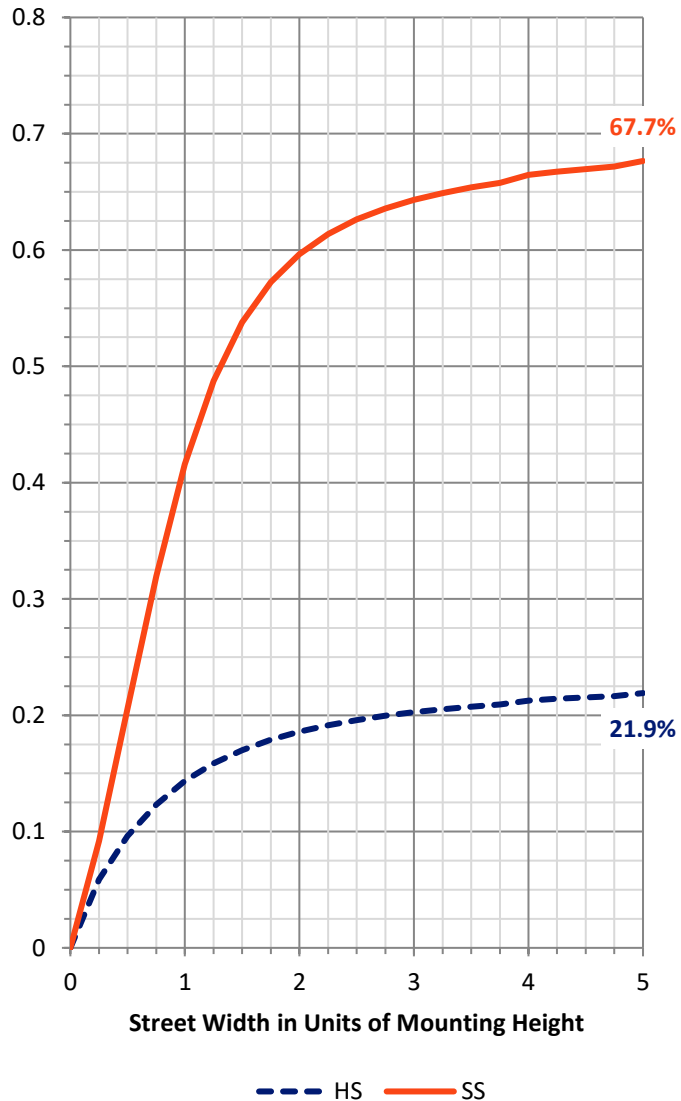
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.7	78.2	675.9
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	1798.9	109.2	1908.1
	% Fixture	69.6	4.2	73.8
Total	Lumens	2396.6	187.4	2584.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.5
10°-20°	52.7	2.0
20°-30°	135.8	5.3
30°-40°	266.0	10.3
40°-50°	406.4	15.7
50°-60°	495.0	19.2
60°-70°	478.7	18.5
70°-80°	353.5	13.7
80°-90°	196.0	7.6
90°-100°	93.1	3.6
100°-110°	45.8	1.8
110°-120°	24.6	1.0
120°-130°	13.7	0.5
130°-140°	7.1	0.3
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2396.6	92.7
0°-180°	2584.0	100.0

Coefficient of Utilization



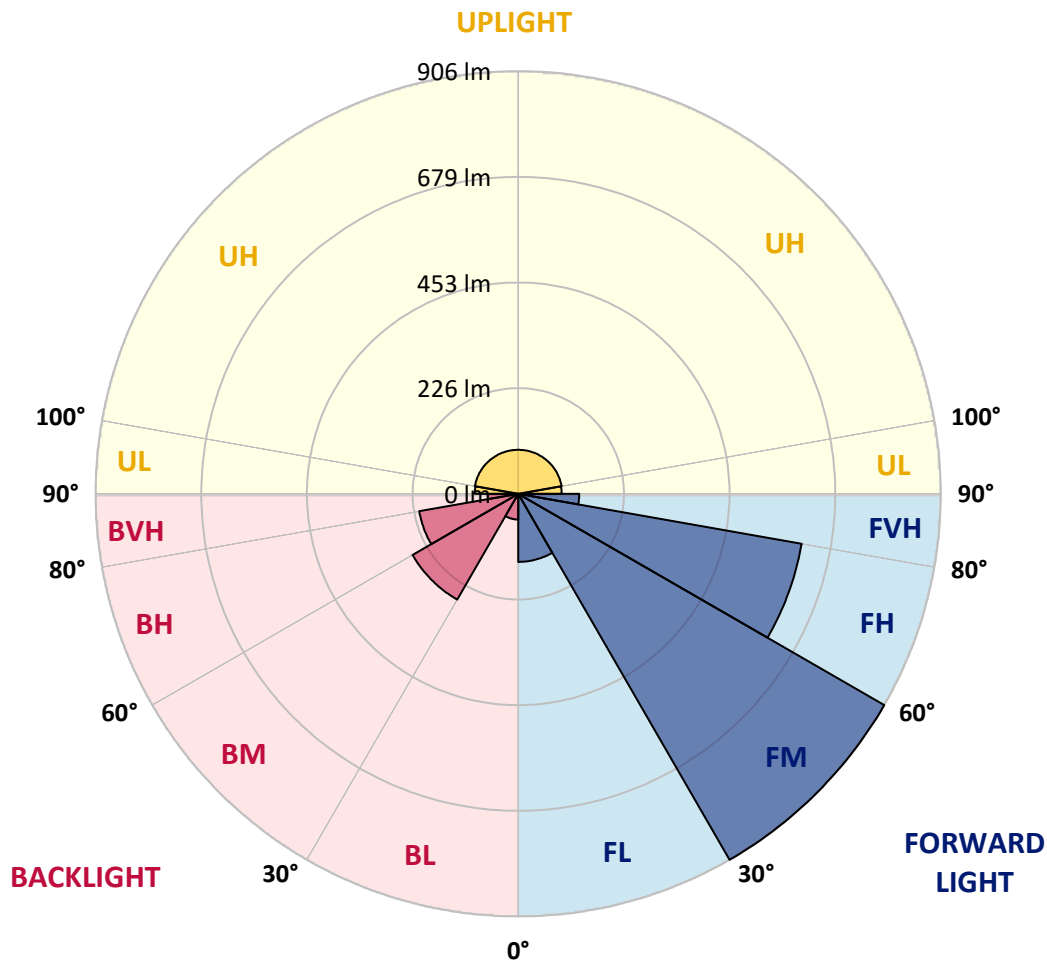
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.9	5.6			
FM (30°-60°)	905.7	35.0			
FH (60°-80°)	616.8	23.9			G0/660
FVH (80°-90°)	130.6	5.1			G2/225
BL (0°-30°)	55.1	2.1	B0/110		
BM (30°-60°)	261.7	10.1	B1/1000		
BH (60°-80°)	215.4	8.3	B1/500		G1/500
BVH (80°-90°)	65.4	2.5			G1/100
UL (90°-100°)	93.1	3.6		U3/500	
UH (100°-180°)	94.3	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°	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
2.5°	135.6	134.6	135.6	134.6	132.7	130.7	128.8	125.8	124.9	123.9	121.0
5°	158.0	159.0	158.0	154.1	152.2	148.3	144.4	138.5	133.6	132.7	126.8
7.5°	185.3	184.4	183.4	180.5	175.6	168.8	161.9	154.1	147.3	145.3	135.6
10°	217.5	214.6	215.6	208.8	202.9	194.1	185.3	173.6	161.9	160.0	147.3
12.5°	254.6	253.6	251.7	242.9	234.1	224.4	210.7	196.1	183.4	179.5	163.9
15°	299.5	295.6	293.6	283.9	272.2	259.5	242.9	225.3	209.7	206.8	184.4
17.5°	349.2	344.3	338.5	325.8	314.1	297.5	278.0	258.5	240.0	236.1	207.8
20°	400.9	399.0	392.1	376.5	359.0	341.4	320.0	296.5	273.1	268.3	236.1
22.5°	463.4	461.4	449.7	430.2	408.7	388.2	363.9	338.5	312.2	304.3	266.3
25°	531.6	525.8	512.1	487.7	463.4	435.1	410.7	383.4	355.1	345.3	301.4
27.5°	600.9	596.0	577.5	550.2	517.0	485.8	458.5	432.1	399.0	394.1	337.5
30°	669.2	669.2	644.8	613.6	569.7	534.6	508.2	483.8	453.6	446.8	381.4
32.5°	737.5	735.5	715.0	673.1	624.3	583.3	558.0	537.5	510.2	497.5	429.2
35°	800.9	799.9	772.6	727.7	674.1	631.1	609.7	596.0	568.7	558.0	477.0
37.5°	859.4	855.5	825.3	779.4	714.1	672.1	659.4	658.4	631.1	617.5	527.7
40°	899.4	896.5	870.1	818.4	751.1	710.1	709.2	719.9	700.4	685.8	580.4
42.5°	923.8	919.9	898.4	847.7	780.4	742.3	754.0	781.4	770.6	754.0	634.1
45°	929.6	926.7	909.1	862.3	799.9	768.7	794.0	842.8	840.9	825.3	686.7
47.5°	915.0	915.0	903.3	864.3	807.7	786.2	833.1	902.3	906.2	898.4	742.3
50°	886.7	884.8	881.8	850.6	804.8	796.0	863.3	962.8	980.4	968.7	799.9
52.5°	838.9	837.9	840.9	823.3	790.1	795.0	884.8	1014.5	1046.7	1036.0	848.7
55°	775.5	773.6	786.2	781.4	761.9	783.3	895.5	1056.4	1106.2	1096.4	896.5
57.5°	699.4	695.5	719.9	728.7	722.8	760.9	895.5	1085.7	1154.0	1145.2	933.5
60°	611.6	614.6	639.9	664.3	671.1	726.7	880.9	1100.3	1188.1	1182.3	957.9
62.5°	525.8	534.6	562.9	588.2	617.5	682.8	855.5	1099.4	1203.7	1199.8	970.6
65°	443.8	453.6	481.9	517.0	553.1	631.1	816.5	1076.0	1195.9	1194.0	964.8
67.5°	367.8	374.6	403.8	444.8	487.7	573.6	761.9	1032.1	1160.8	1161.8	937.4
70°	302.4	306.3	337.5	378.5	422.4	509.2	696.5	962.8	1096.4	1099.4	885.7
72.5°	248.7	255.6	279.0	317.0	363.9	450.7	627.2	878.9	1013.5	1012.5	816.5
75°	202.9	206.8	231.2	265.3	306.3	388.2	552.1	778.4	896.5	904.3	726.7
77.5°	163.9	166.8	191.2	221.4	261.4	333.6	475.1	674.1	784.3	782.3	632.1
80°	132.7	136.6	157.1	184.4	220.5	283.9	401.9	564.8	657.5	659.4	525.8
82.5°	106.3	110.2	128.8	153.2	188.3	238.0	337.5	473.1	535.5	535.5	434.1
85°	84.9	88.8	106.3	127.8	156.1	201.9	277.0	378.5	427.3	430.2	351.2
87.5°	69.3	71.2	86.8	107.3	131.7	169.7	228.3	299.5	338.5	334.6	276.1
90°	55.6	57.6	71.2	88.8	111.2	142.4	186.3	241.9	262.4	261.4	215.6
92.5°	45.8	46.8	59.5	76.1	94.6	120.0	153.2	188.3	203.9	202.9	170.7
95°	38.0	39.0	50.7	64.4	81.0	101.4	124.9	151.2	161.0	159.0	133.6
97.5°	32.2	32.2	42.9	55.6	70.2	85.8	104.4	121.0	125.8	124.9	107.3
100°	27.3	27.3	36.1	48.8	61.5	74.1	86.8	96.6	98.5	99.5	84.9
102.5°	23.4	24.4	32.2	42.9	52.7	63.4	72.2	79.0	79.0	78.0	67.3
105°	21.5	21.5	27.3	37.1	46.8	54.6	61.5	65.4	63.4	61.5	53.7
107.5°	18.5	18.5	24.4	33.2	41.0	47.8	52.7	53.7	50.7	49.7	44.9
110°	16.6	17.6	21.5	29.3	37.1	41.9	44.9	44.9	41.9	41.0	37.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	15.6	15.6	19.5	26.3	32.2	37.1	39.0	38.0	35.1	34.1	31.2
115°	14.6	14.6	17.6	23.4	29.3	33.2	34.1	32.2	29.3	28.3	26.3
117.5°	13.7	13.7	15.6	20.5	26.3	29.3	30.2	27.3	24.4	24.4	23.4
120°	12.7	12.7	14.6	18.5	23.4	26.3	26.3	23.4	21.5	20.5	20.5
122.5°	12.7	12.7	13.7	16.6	20.5	22.4	23.4	20.5	18.5	17.6	17.6
125°	11.7	11.7	12.7	14.6	18.5	20.5	19.5	17.6	15.6	15.6	15.6
127.5°	11.7	11.7	11.7	13.7	15.6	17.6	17.6	15.6	13.7	13.7	14.6
130°	10.7	10.7	10.7	11.7	13.7	15.6	14.6	12.7	11.7	11.7	12.7
132.5°	10.7	10.7	10.7	10.7	11.7	13.7	12.7	10.7	10.7	10.7	10.7
135°	9.8	9.8	9.8	9.8	10.7	10.7	10.7	9.8	8.8	9.8	9.8
137.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.8	7.8	7.8	8.8
140°	7.8	7.8	7.8	7.8	6.8	6.8	6.8	5.9	6.8	6.8	7.8
142.5°	7.8	7.8	6.8	6.8	5.9	5.9	4.9	4.9	5.9	5.9	5.9
145°	6.8	6.8	5.9	4.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9
147.5°	4.9	4.9	4.9	3.9	2.9	2.0	2.0	2.9	2.9	2.9	3.9
150°	3.9	3.9	3.9	2.9	2.0	1.0	1.0	2.0	2.0	2.0	2.9
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°	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
2.5°	120.0	119.0	116.1	114.1	112.2	111.2	109.3	108.3	108.3	107.3	108.3
5°	123.9	121.0	115.1	110.2	105.4	101.4	98.5	96.6	95.6	94.6	93.6
7.5°	130.7	125.8	117.1	109.3	101.4	95.6	90.7	87.8	85.8	83.9	83.9
10°	140.5	133.6	121.0	110.2	100.5	92.7	85.8	81.9	80.0	78.0	78.0
12.5°	155.1	146.3	129.7	113.2	101.4	91.7	84.9	80.0	78.0	77.1	76.1
15°	173.6	162.9	141.4	121.9	105.4	92.7	85.8	83.9	81.9	81.0	81.0
17.5°	195.1	180.5	154.1	130.7	112.2	98.5	91.7	88.8	87.8	86.8	85.8
20°	218.5	201.9	168.8	140.5	120.0	108.3	98.5	95.6	94.6	93.6	93.6
22.5°	246.8	224.4	184.4	151.2	129.7	116.1	107.3	102.4	101.4	101.4	100.5
25°	276.1	251.7	201.9	162.9	139.5	124.9	115.1	110.2	109.3	110.2	110.2
27.5°	310.2	279.0	220.5	175.6	149.2	131.7	122.9	118.0	118.0	120.0	120.0
30°	347.3	307.3	239.0	188.3	158.0	138.5	129.7	126.8	127.8	128.8	129.7
32.5°	383.4	337.5	256.6	200.9	164.9	144.4	136.6	135.6	136.6	138.5	138.5
35°	425.3	371.7	274.1	211.7	170.7	149.2	142.4	143.4	145.3	147.3	148.3
37.5°	467.3	401.9	291.7	219.5	175.6	154.1	148.3	150.2	152.2	156.1	156.1
40°	507.2	433.1	305.3	226.3	179.5	157.1	152.2	156.1	160.0	161.9	161.9
42.5°	549.2	464.3	320.0	231.2	182.4	160.0	156.1	161.9	165.8	166.8	166.8
45°	592.1	490.7	330.7	235.1	184.4	161.9	159.0	164.9	169.7	170.7	170.7
47.5°	630.2	515.1	338.5	236.1	184.4	162.9	161.0	167.8	172.7	172.7	172.7
50°	670.2	539.4	343.4	237.0	185.3	163.9	161.9	169.7	174.6	173.6	174.6
52.5°	704.3	559.0	345.3	235.1	184.4	162.9	162.9	171.7	176.6	174.6	174.6
55°	734.5	573.6	344.3	232.2	182.4	162.9	162.9	171.7	176.6	174.6	174.6
57.5°	757.0	582.4	340.4	228.3	180.5	161.9	162.9	171.7	176.6	174.6	174.6
60°	770.6	583.3	332.6	223.4	177.5	160.0	161.0	170.7	175.6	173.6	173.6
62.5°	772.6	578.5	322.9	216.6	173.6	158.0	160.0	169.7	174.6	172.7	173.6
65°	761.9	563.8	310.2	208.8	169.7	155.1	158.0	167.8	172.7	171.7	171.7
67.5°	734.5	538.5	292.6	199.0	163.9	151.2	155.1	163.9	170.7	168.8	168.8
70°	690.6	503.3	274.1	188.3	156.1	146.3	150.2	160.0	165.8	164.9	164.9
72.5°	633.1	461.4	251.7	175.6	148.3	140.5	145.3	154.1	159.0	159.0	158.0
75°	563.8	414.6	227.3	161.9	139.5	133.6	139.5	146.3	150.2	149.2	148.3
77.5°	489.7	363.9	203.9	148.3	129.7	125.8	130.7	138.5	140.5	139.5	137.5
80°	414.6	312.2	180.5	133.6	119.0	116.1	121.0	126.8	128.8	125.8	124.9
82.5°	346.3	260.5	157.1	120.0	108.3	106.3	111.2	115.1	115.1	113.2	110.2
85°	280.0	219.5	137.5	106.3	97.5	96.6	100.5	102.4	101.4	98.5	95.6
87.5°	225.3	179.5	118.0	94.6	86.8	85.8	88.8	89.7	87.8	83.9	81.9
90°	182.4	147.3	101.4	83.9	77.1	77.1	78.0	78.0	75.1	70.2	68.3
92.5°	145.3	121.0	87.8	73.2	69.3	67.3	68.3	67.3	63.4	60.5	57.6
95°	117.1	99.5	76.1	65.4	61.5	59.5	60.5	58.5	53.7	49.7	47.8
97.5°	94.6	81.9	65.4	57.6	54.6	52.7	52.7	49.7	46.8	41.9	40.0
100°	76.1	67.3	56.6	50.7	47.8	46.8	45.8	43.9	40.0	35.1	34.1
102.5°	61.5	56.6	48.8	44.9	42.9	41.9	41.0	38.0	34.1	29.3	29.3
105°	50.7	47.8	42.9	40.0	38.0	37.1	36.1	33.2	29.3	25.4	25.4
107.5°	41.9	40.0	37.1	35.1	34.1	33.2	32.2	29.3	25.4	21.5	22.4
110°	36.1	34.1	32.2	31.2	31.2	30.2	28.3	26.3	22.4	19.5	19.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.2	29.3	28.3	28.3	27.3	26.3	25.4	22.4	19.5	17.6	17.6
115°	26.3	25.4	25.4	25.4	24.4	24.4	22.4	20.5	16.6	15.6	15.6
117.5°	22.4	22.4	22.4	22.4	22.4	21.5	20.5	17.6	14.6	13.7	13.7
120°	20.5	20.5	19.5	19.5	19.5	19.5	17.6	15.6	12.7	12.7	12.7
122.5°	17.6	17.6	17.6	17.6	17.6	16.6	15.6	13.7	11.7	11.7	11.7
125°	15.6	15.6	15.6	16.6	15.6	15.6	13.7	11.7	9.8	10.7	10.7
127.5°	14.6	14.6	14.6	13.7	13.7	13.7	11.7	9.8	8.8	9.8	9.8
130°	12.7	12.7	12.7	12.7	12.7	11.7	10.7	8.8	7.8	8.8	8.8
132.5°	11.7	11.7	11.7	10.7	10.7	9.8	8.8	7.8	6.8	7.8	7.8
135°	9.8	9.8	9.8	9.8	8.8	8.8	7.8	5.9	6.8	6.8	6.8
137.5°	8.8	8.8	8.8	7.8	7.8	6.8	5.9	4.9	5.9	5.9	5.9
140°	7.8	7.8	7.8	6.8	5.9	5.9	4.9	4.9	4.9	5.9	5.9
142.5°	5.9	5.9	5.9	5.9	4.9	3.9	3.9	3.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9
147.5°	3.9	3.9	3.9	2.9	2.9	2.0	2.0	2.9	3.9	3.9	3.9
150°	2.9	2.9	2.9	2.0	2.0	1.0	2.0	2.0	2.9	2.9	2.9
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)