

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: P694963

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694963
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-PA16-30-827-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 560mA 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: 2635 lumens
Efficiency: N/A
Efficacy: 90.2 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

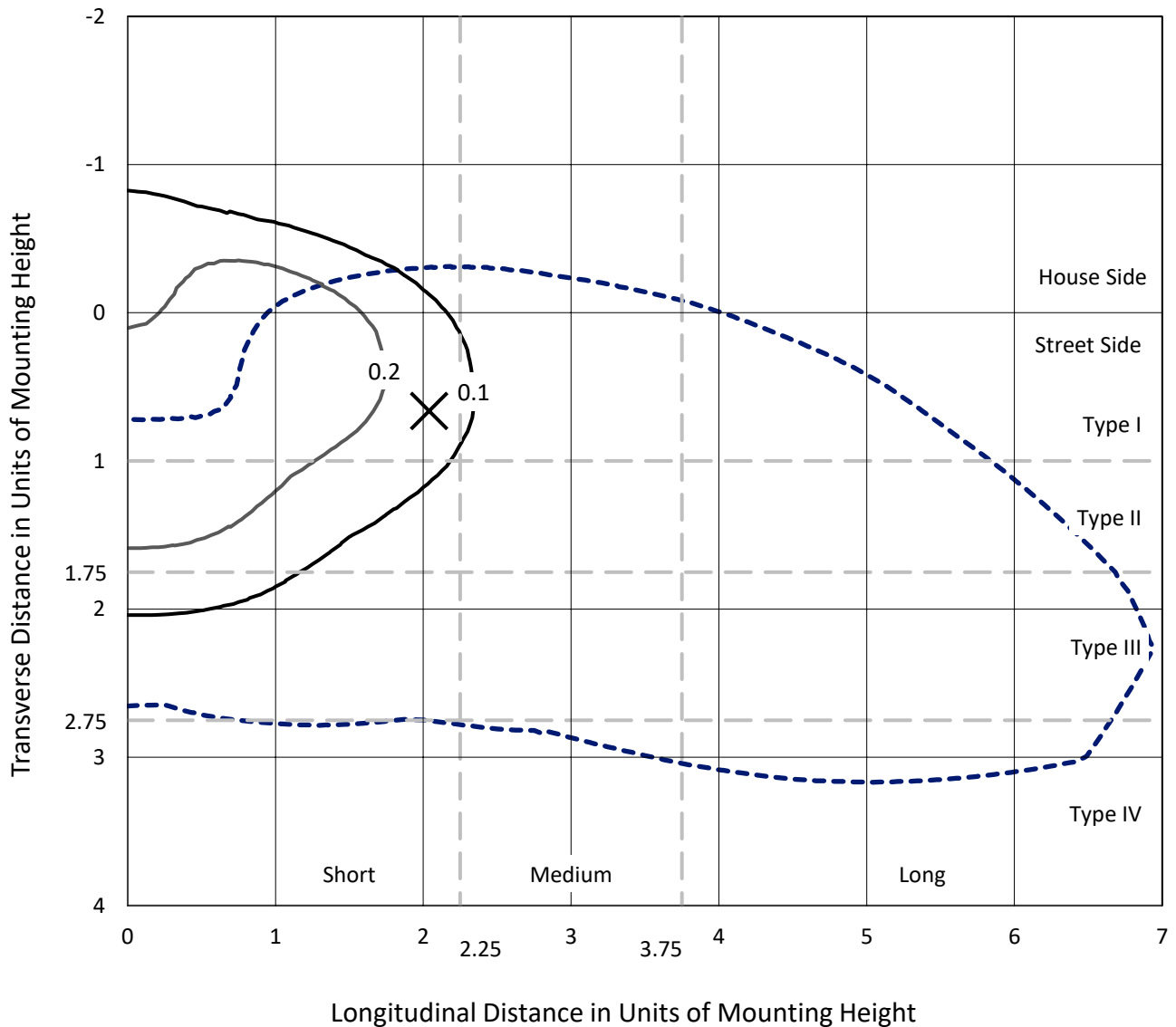
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

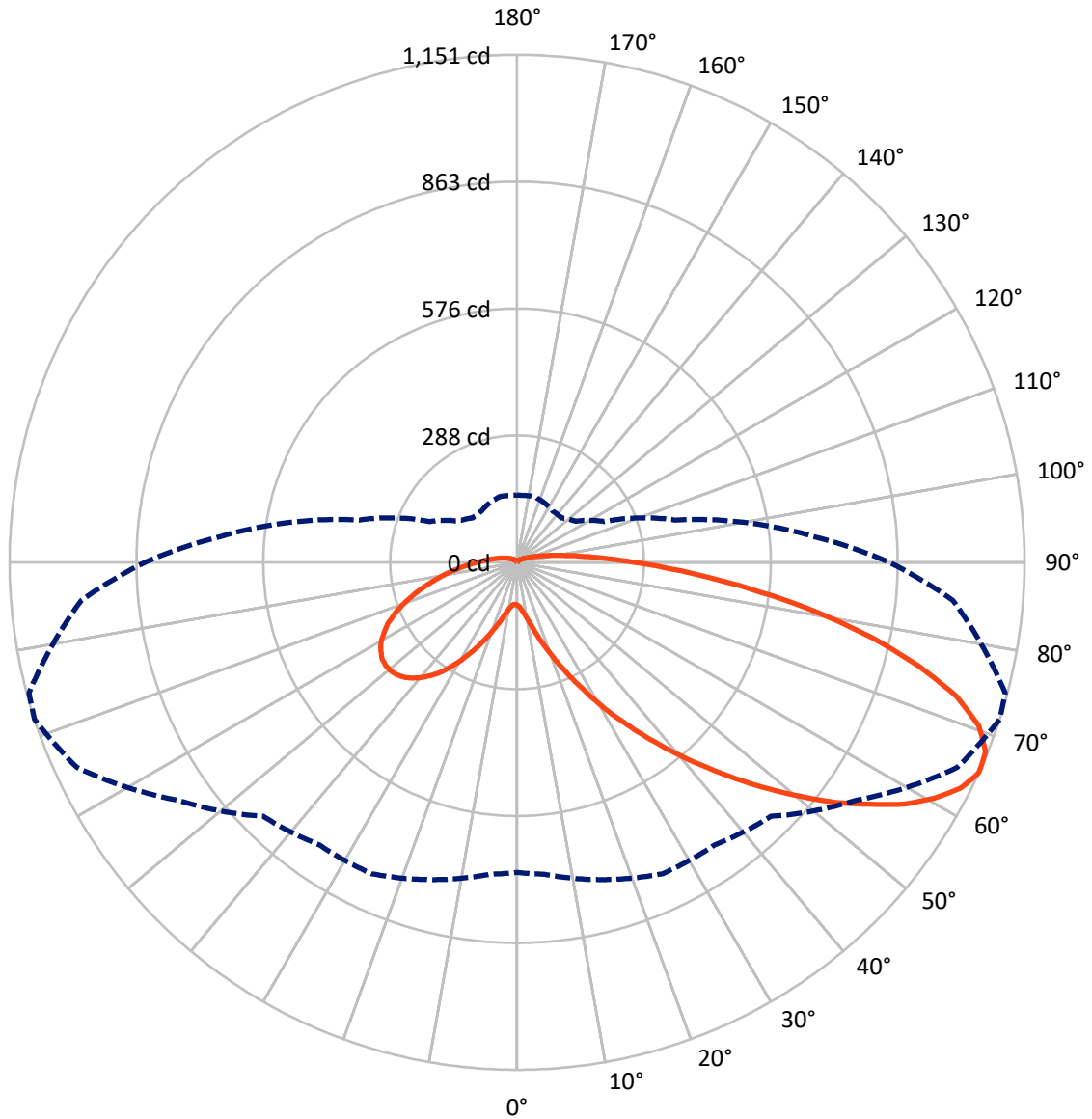
× Max cd
 - - - 1/2 Max cd



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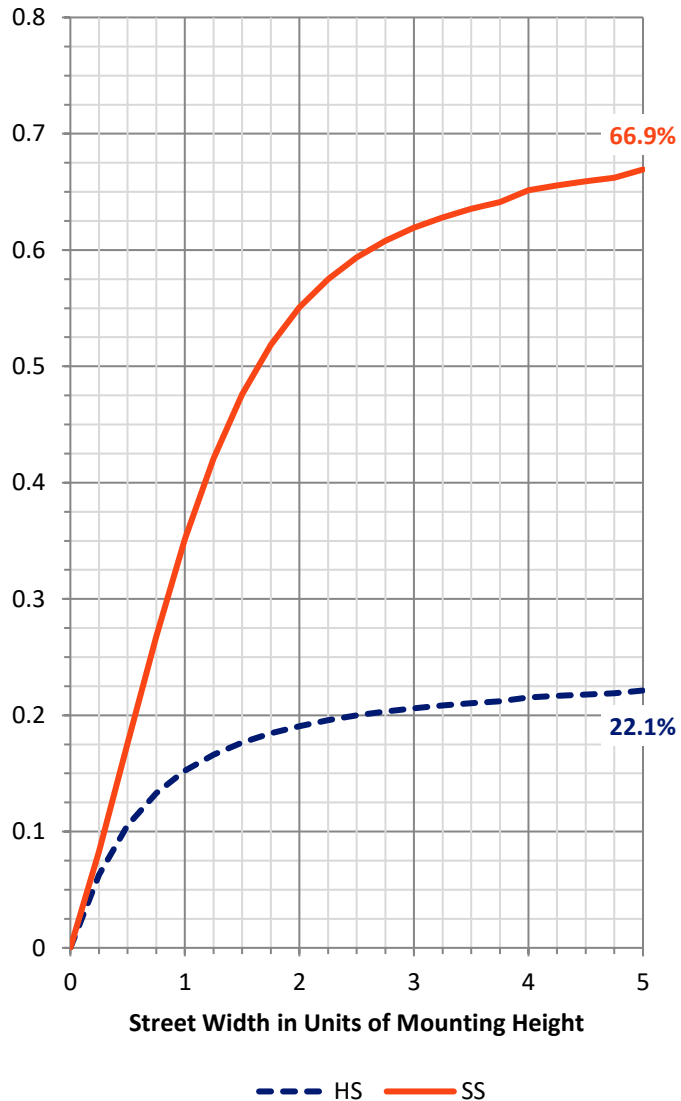
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.8	77.9	693.6
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	1831.1	110.2	1941.3
	% Fixture	69.5	4.2	73.7
Total	Lumens	2446.9	188.1	2635.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	0.4
10°-20°	42.9	1.6
20°-30°	110.4	4.2
30°-40°	219.5	8.3
40°-50°	357.4	13.6
50°-60°	494.8	18.8
60°-70°	552.7	21.0
70°-80°	432.7	16.4
80°-90°	226.3	8.6
90°-100°	98.5	3.7
100°-110°	45.4	1.7
110°-120°	23.1	0.9
120°-130°	12.4	0.5
130°-140°	6.2	0.2
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°	2446.9	92.9
0°-180°	2635.0	100.0

Coefficient of Utilization



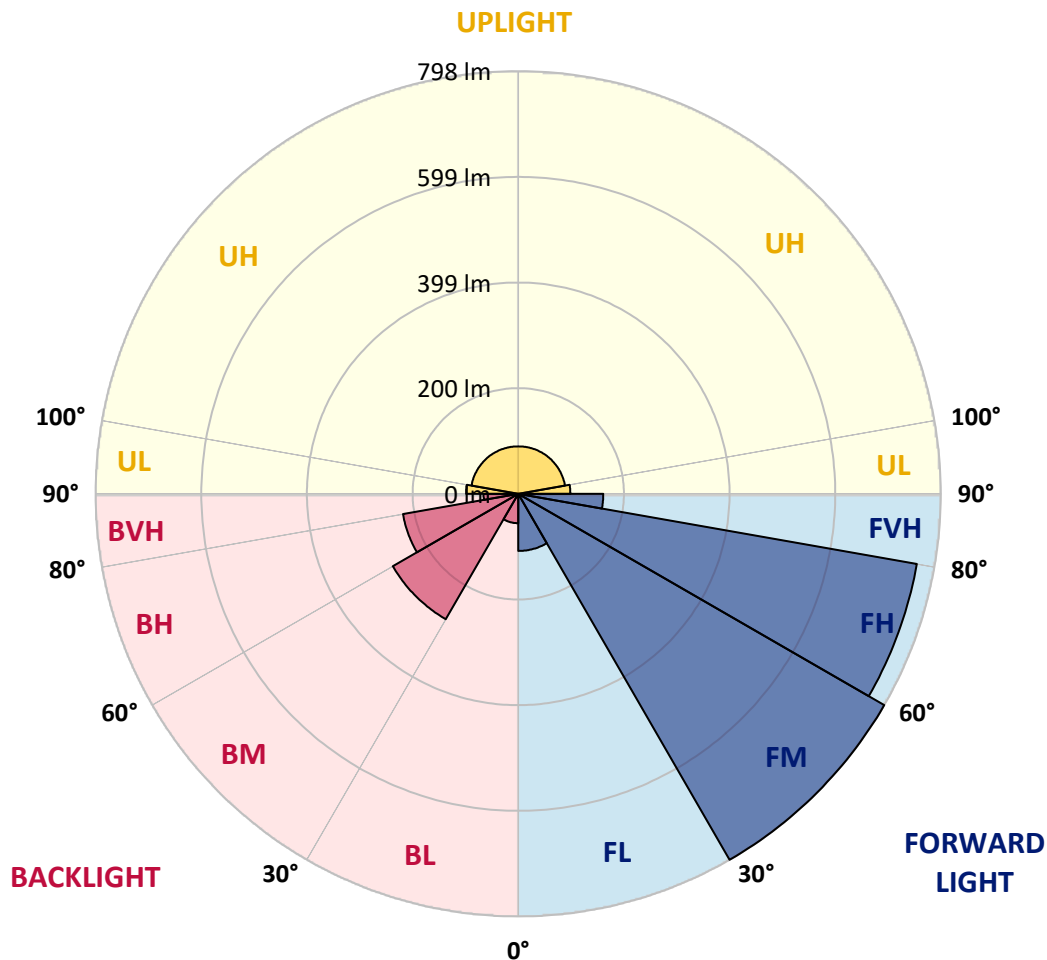
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	107.9	4.1			
FM (30°-60°)	798.2	30.3			
FH (60°-80°)	764.4	29.0			G1/1800
FVH (80°-90°)	160.6	6.1			G2/225
BL (0°-30°)	55.5	2.1	B0/110		
BM (30°-60°)	273.5	10.4	B1/1000		
BH (60°-80°)	221.0	8.4	B1/500		G1/500
BVH (80°-90°)	65.7	2.5			G1/100
UL (90°-100°)	98.5	3.7		U3/500	
UH (100°-180°)	89.6	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°	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2.5°	105.4	106.4	106.4	105.4	105.4	104.4	103.4	101.5	100.5	100.5	98.5
5°	119.0	120.0	119.0	118.1	117.1	114.2	113.2	110.3	108.3	107.3	103.4
7.5°	136.6	136.6	135.6	133.7	131.7	129.8	124.9	121.0	118.1	116.1	111.2
10°	155.1	155.1	154.2	153.2	150.3	145.4	140.5	135.6	130.7	129.8	122.9
12.5°	180.5	178.6	176.6	173.7	170.7	165.9	159.0	153.2	148.3	147.3	139.5
15°	205.9	206.8	202.9	198.1	194.2	188.3	182.5	177.6	171.7	169.8	159.0
17.5°	235.1	236.1	233.2	229.3	222.5	216.6	208.8	202.0	198.1	194.2	181.5
20°	271.2	271.2	268.3	260.5	253.7	246.9	240.0	232.2	225.4	222.5	208.8
22.5°	309.3	308.3	304.4	294.7	285.9	277.1	271.2	263.4	258.6	254.7	239.0
25°	355.2	352.2	346.4	334.7	323.0	312.2	303.4	300.5	293.7	289.8	275.1
27.5°	400.0	402.0	392.2	376.6	360.0	349.3	341.5	337.6	332.7	330.8	312.2
30°	455.6	451.7	441.0	421.5	398.1	383.4	379.5	378.6	378.6	374.7	355.2
32.5°	507.4	503.5	491.8	468.3	440.0	421.5	418.6	421.5	423.5	422.5	398.1
35°	560.0	556.1	542.5	517.1	479.1	457.6	457.6	469.3	472.2	470.3	445.9
37.5°	609.8	607.9	594.2	560.0	523.9	497.6	501.5	520.0	524.9	523.9	492.7
40°	657.6	657.6	644.0	606.9	563.0	536.6	543.5	571.8	581.5	580.5	546.4
42.5°	706.4	704.5	691.8	655.7	604.9	575.7	588.3	623.5	639.1	641.0	600.1
45°	748.4	746.4	736.7	696.6	645.9	615.7	634.2	682.0	702.5	701.5	652.7
47.5°	784.5	783.5	776.7	739.6	685.9	657.6	684.0	742.5	767.9	767.9	712.3
50°	813.7	814.7	809.8	779.6	723.0	697.6	733.7	804.0	835.2	835.2	768.8
52.5°	832.3	834.2	836.2	807.9	758.1	734.7	781.5	868.4	905.4	904.5	826.4
55°	838.1	840.1	849.8	832.3	786.4	768.8	829.3	930.8	968.9	965.9	879.1
57.5°	828.4	832.3	848.9	843.0	805.9	796.2	869.3	984.5	1035.2	1032.3	927.9
60°	804.0	808.9	832.3	839.1	813.7	814.7	906.4	1038.1	1086.9	1085.0	965.9
62.5°	761.0	768.8	799.1	817.6	806.9	822.5	930.8	1079.1	1128.9	1126.0	988.4
65°	703.5	710.3	745.4	779.6	782.5	814.7	940.6	1101.6	1151.3	1146.4	992.3
67.5°	635.2	632.3	677.1	721.0	738.6	786.4	927.9	1098.6	1146.4	1137.7	967.9
70°	551.3	551.3	597.1	641.0	678.1	742.5	892.8	1067.4	1111.3	1098.6	921.1
72.5°	452.7	463.5	503.5	555.2	601.0	679.1	838.1	1005.9	1043.0	1028.4	842.0
75°	370.8	379.5	414.7	466.4	519.1	605.9	757.1	917.2	941.5	926.9	745.4
77.5°	297.6	301.5	339.5	383.4	438.1	517.1	660.5	805.9	823.5	807.9	636.2
80°	229.3	239.0	265.4	307.3	360.0	437.1	560.0	676.2	692.7	675.2	520.0
82.5°	180.5	183.4	207.8	247.8	292.7	358.1	460.5	549.3	557.1	536.6	419.5
85°	139.5	141.5	162.0	196.1	235.1	287.8	367.8	432.2	434.2	422.5	327.8
87.5°	106.4	110.3	128.8	156.1	189.3	235.1	289.8	334.7	331.7	323.0	255.6
90°	83.9	85.9	99.5	123.9	151.2	185.4	226.4	255.6	249.8	245.9	193.2
92.5°	66.3	67.3	82.0	100.5	122.9	150.3	177.6	197.1	189.3	186.4	147.3
95°	52.7	54.6	65.4	82.0	100.5	121.0	139.5	149.3	144.4	139.5	114.2
97.5°	42.9	43.9	53.7	67.3	82.9	98.5	111.2	115.1	110.3	108.3	88.8
100°	36.1	36.1	44.9	56.6	68.3	81.0	88.8	90.7	86.8	82.0	68.3
102.5°	30.2	30.2	37.1	47.8	58.5	67.3	72.2	72.2	67.3	64.4	54.6
105°	25.4	26.3	31.2	41.0	49.8	56.6	60.5	57.6	53.7	51.7	43.9
107.5°	22.4	22.4	27.3	35.1	42.9	47.8	49.8	46.8	42.9	40.0	35.1
110°	20.5	20.5	23.4	30.2	37.1	42.0	42.0	39.0	34.1	32.2	29.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	17.6	18.5	20.5	26.3	32.2	36.1	36.1	32.2	28.3	26.3	24.4
115°	16.6	16.6	18.5	23.4	28.3	31.2	31.2	27.3	23.4	22.4	20.5
117.5°	14.6	14.6	16.6	20.5	24.4	27.3	26.3	23.4	19.5	18.5	17.6
120°	13.7	13.7	14.6	17.6	21.5	23.4	22.4	19.5	16.6	15.6	15.6
122.5°	12.7	12.7	13.7	15.6	19.5	20.5	19.5	16.6	14.6	13.7	14.6
125°	11.7	11.7	12.7	14.6	16.6	17.6	16.6	13.7	12.7	12.7	12.7
127.5°	11.7	11.7	11.7	12.7	14.6	15.6	14.6	11.7	10.7	10.7	11.7
130°	10.7	10.7	10.7	11.7	12.7	13.7	11.7	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	9.8	10.7	10.7	9.8	8.8	8.8	8.8	8.8
135°	8.8	8.8	8.8	8.8	8.8	8.8	7.8	6.8	7.8	7.8	7.8
137.5°	7.8	7.8	7.8	7.8	7.8	6.8	6.8	5.9	6.8	6.8	6.8
140°	6.8	6.8	6.8	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	2.0	2.9	2.9	2.9
150°	2.9	2.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
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°	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
2.5°	97.6	97.6	95.6	94.6	93.7	92.7	91.7	90.7	90.7	90.7	90.7
5°	102.4	99.5	96.6	93.7	90.7	88.8	85.9	84.9	83.9	82.9	82.9
7.5°	108.3	106.4	100.5	95.6	90.7	86.8	83.9	81.0	79.0	78.1	78.1
10°	119.0	115.1	108.3	100.5	93.7	87.8	82.9	79.0	77.1	76.1	76.1
12.5°	134.6	128.8	119.0	108.3	98.5	90.7	84.9	80.0	77.1	77.1	76.1
15°	153.2	146.4	133.7	120.0	106.4	95.6	88.8	84.9	82.0	81.0	81.0
17.5°	174.6	167.8	151.2	132.7	118.1	104.4	95.6	90.7	87.8	85.9	85.9
20°	201.0	191.2	169.8	148.3	128.8	116.1	103.4	97.6	93.7	91.7	90.7
22.5°	229.3	218.6	192.2	164.9	142.5	125.9	112.2	103.4	98.5	97.6	96.6
25°	263.4	247.8	215.6	182.5	156.1	135.6	120.0	109.3	105.4	103.4	103.4
27.5°	299.5	281.0	241.0	201.0	168.8	143.4	125.9	115.1	111.2	110.3	109.3
30°	337.6	316.1	267.3	221.5	180.5	151.2	132.7	122.0	117.1	116.1	116.1
32.5°	379.5	354.2	293.7	237.1	189.3	156.1	136.6	126.8	122.0	122.0	122.0
35°	420.5	391.3	321.0	253.7	197.1	160.0	140.5	131.7	126.8	127.8	127.8
37.5°	464.4	432.2	344.4	265.4	202.9	162.9	142.5	135.6	132.7	132.7	132.7
40°	512.2	466.4	365.9	274.2	204.9	163.9	144.4	138.5	136.6	136.6	137.6
42.5°	558.1	506.4	384.4	281.0	205.9	163.9	145.4	141.5	140.5	140.5	140.5
45°	604.0	541.5	401.0	283.0	204.9	162.9	146.4	143.4	143.4	143.4	143.4
47.5°	653.7	576.6	412.7	282.0	202.0	161.0	146.4	144.4	146.4	145.4	145.4
50°	697.6	609.8	420.5	279.0	198.1	159.0	145.4	146.4	148.3	147.3	147.3
52.5°	743.5	639.1	424.4	272.2	192.2	156.1	145.4	147.3	149.3	148.3	148.3
55°	784.5	664.4	424.4	264.4	187.3	154.2	145.4	148.3	151.2	150.3	150.3
57.5°	817.6	682.0	417.6	253.7	180.5	151.2	144.4	148.3	152.2	151.2	151.2
60°	843.0	691.8	407.8	242.9	174.6	148.3	143.4	148.3	153.2	151.2	152.2
62.5°	853.7	690.8	390.3	230.3	168.8	145.4	142.5	148.3	153.2	152.2	152.2
65°	844.0	674.2	370.8	218.6	162.0	142.5	141.5	148.3	154.2	152.2	152.2
67.5°	815.7	642.0	345.4	203.9	155.1	139.5	139.5	147.3	153.2	151.2	151.2
70°	764.0	595.2	316.1	191.2	148.3	135.6	136.6	144.4	150.3	150.3	149.3
72.5°	694.7	534.7	283.9	176.6	141.5	130.7	132.7	141.5	146.4	146.4	145.4
75°	613.7	464.4	251.7	162.9	133.7	125.9	127.8	135.6	141.5	140.5	139.5
77.5°	517.1	393.2	220.5	148.3	124.9	119.0	122.0	129.8	134.6	132.7	131.7
80°	428.3	330.8	192.2	133.7	116.1	112.2	115.1	121.0	124.9	123.9	122.9
82.5°	342.5	267.3	162.9	120.0	107.3	104.4	107.3	112.2	115.1	114.2	112.2
85°	266.4	216.6	139.5	106.4	97.6	95.6	98.5	102.4	104.4	102.4	101.5
87.5°	209.8	169.8	116.1	93.7	87.8	86.8	88.8	92.7	94.6	92.7	89.8
90°	163.9	136.6	98.5	82.9	79.0	79.0	80.0	82.9	82.9	81.0	80.0
92.5°	127.8	109.3	82.9	72.2	70.3	70.3	72.2	73.2	73.2	70.3	69.3
95°	100.5	87.8	70.3	63.4	62.4	62.4	64.4	64.4	63.4	60.5	59.5
97.5°	79.0	71.2	60.5	55.6	54.6	55.6	56.6	56.6	54.6	51.7	50.7
100°	63.4	58.5	50.7	48.8	48.8	49.8	49.8	48.8	46.8	43.9	43.9
102.5°	51.7	47.8	43.9	42.9	42.9	43.9	43.9	42.9	41.0	37.1	37.1
105°	42.0	39.0	37.1	37.1	38.1	38.1	38.1	37.1	34.1	31.2	31.2
107.5°	34.1	33.2	32.2	32.2	33.2	34.1	34.1	32.2	29.3	27.3	27.3
110°	28.3	28.3	28.3	28.3	29.3	30.2	30.2	28.3	25.4	23.4	23.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.4	23.4	24.4	25.4	26.3	27.3	26.3	24.4	21.5	20.5	20.5
115°	20.5	20.5	21.5	22.4	23.4	23.4	23.4	21.5	18.5	17.6	17.6
117.5°	18.5	18.5	18.5	19.5	20.5	21.5	20.5	18.5	15.6	15.6	15.6
120°	15.6	15.6	16.6	17.6	18.5	18.5	17.6	15.6	13.7	13.7	13.7
122.5°	14.6	14.6	14.6	15.6	16.6	16.6	15.6	13.7	11.7	12.7	12.7
125°	12.7	12.7	12.7	13.7	14.6	14.6	13.7	11.7	10.7	10.7	10.7
127.5°	11.7	11.7	11.7	11.7	12.7	12.7	11.7	10.7	9.8	9.8	9.8
130°	10.7	10.7	10.7	10.7	10.7	10.7	9.8	8.8	8.8	8.8	8.8
132.5°	8.8	8.8	8.8	8.8	9.8	9.8	8.8	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	6.8	6.8	6.8	6.8	6.8
137.5°	6.8	6.8	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9	5.9
140°	5.9	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	5.9	5.9
142.5°	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
145°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	3.9	3.9
150°	2.0	2.0	2.0	2.0	1.0	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)