

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: P694518

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694518
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2288 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G2

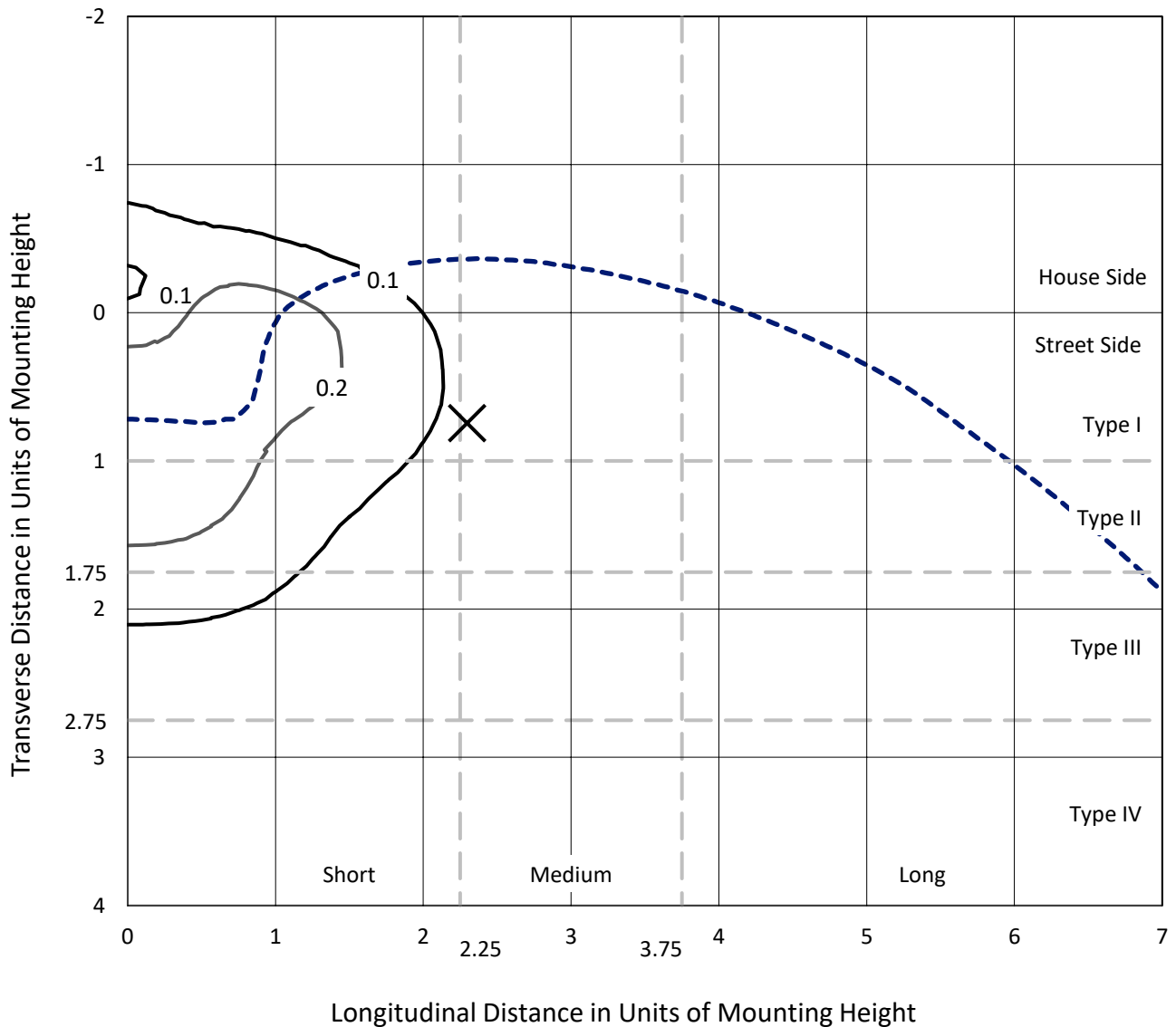
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

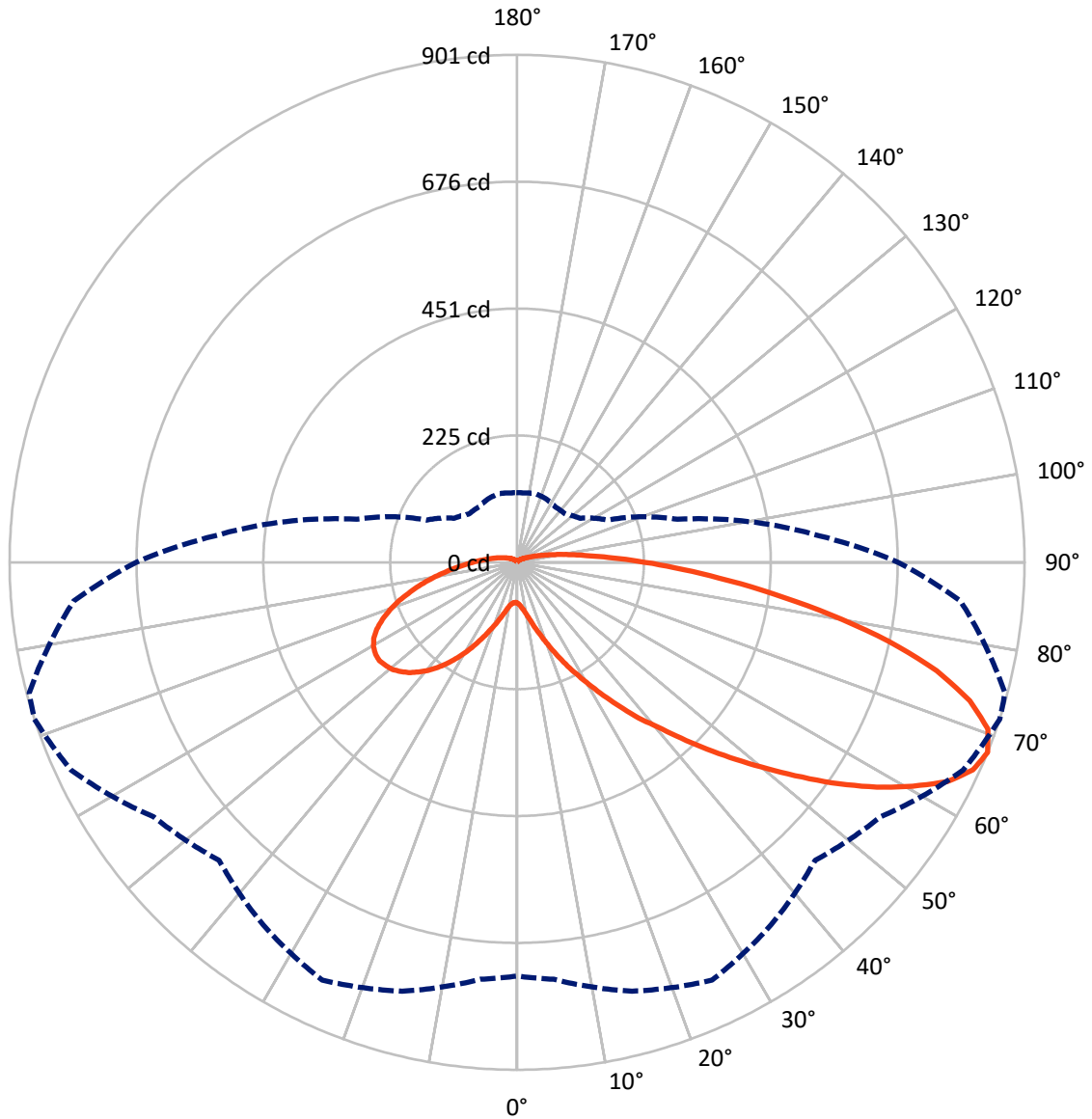
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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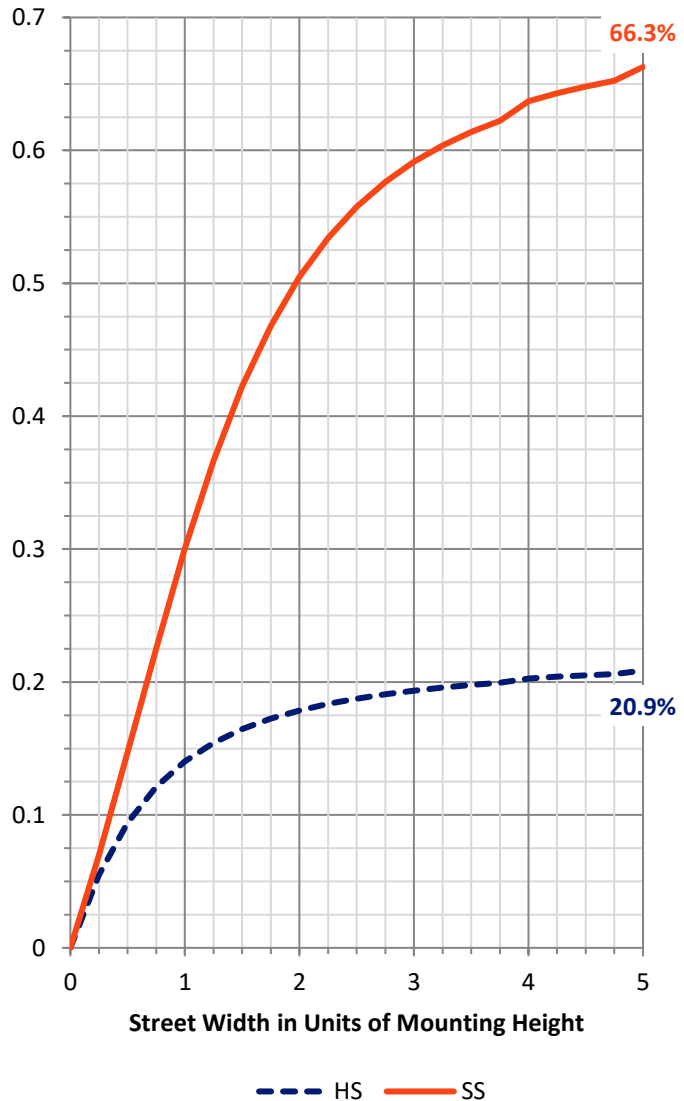
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	505.4	67.7	573.1
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	1601.9	113.0	1714.9
	% Fixture	70.0	4.9	75.0
Total	Lumens	2107.3	180.7	2288.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.3
10°-20°	31.4	1.4
20°-30°	80.4	3.5
30°-40°	161.4	7.1
40°-50°	271.7	11.9
50°-60°	401.3	17.5
60°-70°	494.5	21.6
70°-80°	426.9	18.7
80°-90°	232.3	10.2
90°-100°	98.7	4.3
100°-110°	43.3	1.9
110°-120°	20.8	0.9
120°-130°	10.6	0.5
130°-140°	5.2	0.2
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2107.3	92.1
0°-180°	2288.0	100.0

Coefficient of Utilization

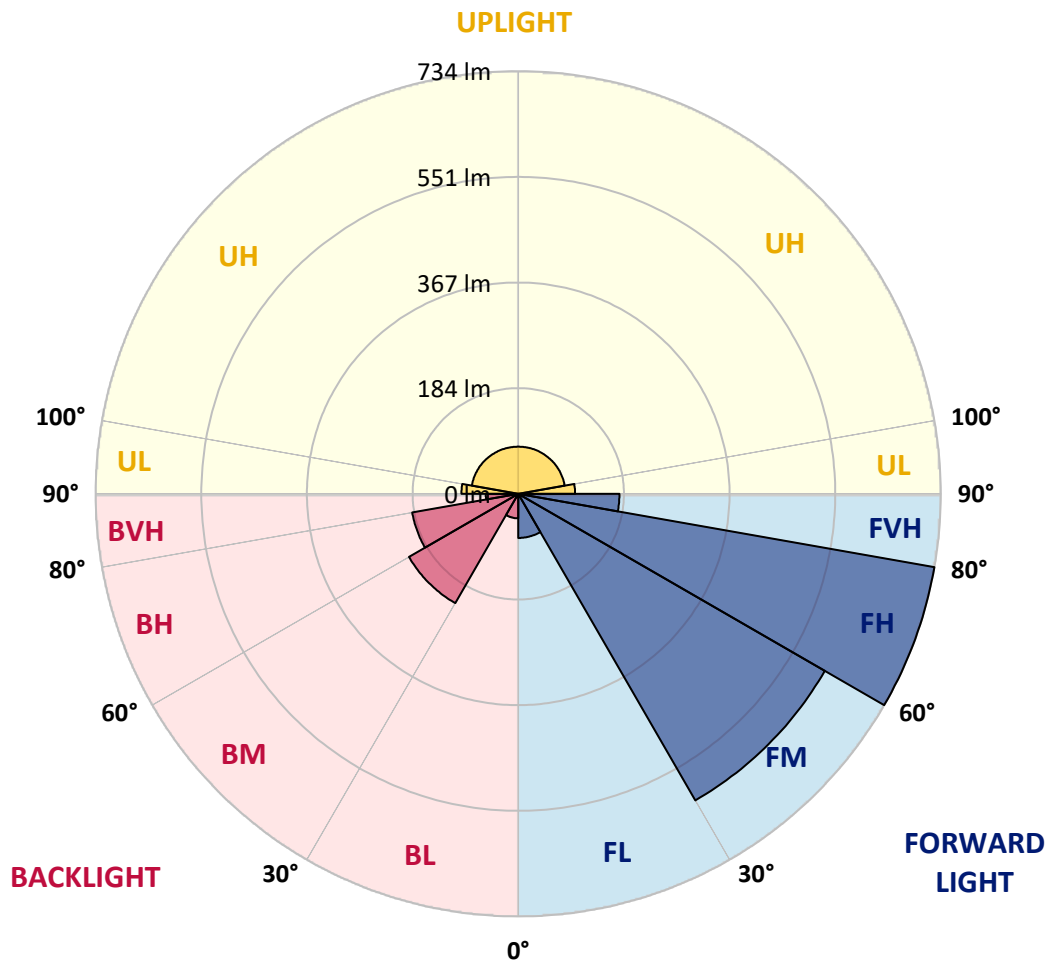


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.7	3.4			
FM (30°-60°)	615.1	26.9			
FH (60°-80°)	734.3	32.1			G1/1800
FVH (80°-90°)	175.8	7.7			G2/225
BL (0°-30°)	42.6	1.9	B0/110		
BM (30°-60°)	219.3	9.6	B0/220		
BH (60°-80°)	187.1	8.2	B1/500		G1/500
BVH (80°-90°)	56.5	2.5			G1/100
UL (90°-100°)	98.7	4.3		U3/500	
UH (100°-180°)	81.9	3.6		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	79.0	79.0	79.0	78.2	77.3	77.3	76.5	75.6	74.8	74.0	73.1
5°	88.3	88.3	87.4	87.4	85.7	84.9	83.2	80.7	79.8	79.0	76.5
7.5°	100.0	100.0	98.3	98.3	95.8	94.1	91.6	88.3	85.7	84.9	81.5
10°	113.5	112.6	112.6	110.1	107.6	105.9	101.7	97.5	95.0	93.3	89.1
12.5°	131.1	130.3	128.6	126.1	122.7	118.5	114.3	110.1	105.9	104.2	99.2
15°	150.5	150.5	148.8	144.6	140.4	134.5	129.4	124.4	121.0	119.4	112.6
17.5°	173.1	172.3	170.6	165.6	158.9	153.0	147.1	141.2	137.0	135.3	127.8
20°	200.9	200.0	195.0	187.4	181.6	173.1	165.6	158.9	155.5	153.8	145.4
22.5°	231.1	229.5	224.4	215.2	203.4	195.0	186.6	179.9	176.5	174.0	166.4
25°	265.6	263.1	256.4	242.1	228.6	216.9	208.4	201.7	200.0	198.4	188.3
27.5°	303.4	301.7	292.5	274.8	256.4	242.9	232.0	227.8	224.4	222.7	211.8
30°	347.1	344.6	330.3	310.1	285.8	266.4	256.4	253.8	251.3	252.2	242.1
32.5°	390.0	390.0	372.3	345.4	315.2	292.5	280.7	282.4	281.6	281.6	269.8
35°	436.2	437.1	415.2	385.8	346.3	320.2	308.5	312.7	314.4	313.5	301.7
37.5°	485.0	483.3	461.4	424.5	379.1	347.1	337.0	342.9	350.5	348.0	337.0
40°	538.8	535.4	514.4	466.5	415.2	376.5	367.3	379.1	384.1	387.5	372.3
42.5°	587.5	585.8	561.5	511.9	451.4	407.6	397.6	413.5	427.0	427.8	412.7
45°	635.4	632.1	611.9	556.4	486.7	442.9	434.5	457.2	473.2	474.9	458.1
47.5°	679.1	679.1	656.4	601.8	530.4	478.3	472.4	502.6	522.8	524.5	506.0
50°	724.5	722.8	703.5	648.0	571.5	516.9	514.4	553.1	575.7	578.3	553.9
52.5°	758.1	758.1	745.5	693.4	611.1	554.7	558.9	604.3	633.7	640.5	608.5
55°	787.6	788.4	780.0	732.9	656.4	595.9	601.8	659.0	694.3	703.5	663.2
57.5°	806.9	807.7	810.3	773.3	695.9	633.7	648.9	717.0	753.1	760.7	715.3
60°	814.5	817.0	828.7	804.4	731.2	673.2	693.4	769.1	806.9	815.3	757.3
62.5°	806.9	811.1	834.6	826.2	763.2	706.9	733.8	817.0	857.3	860.7	790.9
65°	784.2	789.2	821.2	831.3	781.7	733.8	769.1	854.0	889.3	890.1	801.8
67.5°	734.6	743.0	788.4	818.7	785.9	748.1	787.6	873.3	901.0	896.8	790.1
70°	674.1	680.8	732.9	781.7	770.7	745.5	790.1	869.1	886.7	876.7	750.6
72.5°	590.0	597.6	659.0	722.8	732.1	725.4	769.1	840.5	840.5	825.4	689.2
75°	499.3	513.6	568.2	643.8	677.5	680.8	727.9	781.7	769.9	748.1	602.6
77.5°	411.0	416.1	469.8	553.9	597.6	617.8	659.8	695.9	674.9	648.9	511.0
80°	327.0	331.2	379.9	457.2	512.7	547.2	581.6	593.4	564.0	537.9	416.9
82.5°	253.8	258.9	302.6	370.7	426.1	460.6	489.2	491.7	457.2	433.7	332.0
85°	190.8	195.8	232.8	293.3	345.4	381.6	399.2	397.6	359.7	340.4	257.2
87.5°	147.9	147.1	177.3	225.3	274.0	302.6	316.0	305.1	279.0	262.2	197.5
90°	110.1	113.5	137.0	175.7	213.5	237.9	248.8	236.2	214.3	200.9	152.1
92.5°	84.9	86.6	107.6	137.0	168.9	190.0	197.5	183.2	162.2	154.7	116.8
95°	66.4	68.1	83.2	107.6	131.1	147.1	151.3	140.4	123.6	117.7	90.8
97.5°	53.8	54.6	65.6	85.7	104.2	116.8	118.5	107.6	96.7	89.9	71.4
100°	42.9	42.9	53.0	68.1	82.4	92.5	91.6	84.9	75.6	70.6	55.5
102.5°	35.3	35.3	42.9	56.3	67.2	74.8	74.8	66.4	58.8	54.6	43.7
105°	29.4	29.4	35.3	45.4	55.5	61.4	60.5	53.8	46.2	42.9	34.5
107.5°	25.2	25.2	29.4	37.8	45.4	50.4	49.6	42.9	37.0	34.5	28.6
110°	21.9	21.9	25.2	31.9	38.7	42.0	41.2	34.5	29.4	27.7	23.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	18.5	19.3	21.0	26.9	32.8	36.1	34.5	28.6	23.5	21.9	20.2
115°	16.8	16.8	18.5	22.7	27.7	30.3	28.6	23.5	19.3	18.5	16.8
117.5°	15.1	15.1	16.8	20.2	24.4	26.1	24.4	19.3	16.8	15.1	14.3
120°	13.4	13.4	14.3	17.7	20.2	21.9	20.2	16.0	13.4	13.4	12.6
122.5°	12.6	12.6	13.4	15.1	17.7	18.5	16.8	13.4	11.8	11.8	11.8
125°	10.9	11.8	11.8	13.4	15.1	16.0	14.3	11.8	10.1	10.1	10.1
127.5°	10.1	10.1	10.9	11.8	12.6	13.4	11.8	10.1	9.2	8.4	9.2
130°	9.2	9.2	9.2	10.1	10.9	10.9	10.1	8.4	7.6	7.6	8.4
132.5°	8.4	8.4	8.4	8.4	9.2	9.2	8.4	6.7	6.7	6.7	7.6
135°	7.6	7.6	7.6	7.6	7.6	7.6	6.7	5.9	5.9	5.9	6.7
137.5°	6.7	6.7	6.7	6.7	5.9	5.9	5.0	5.0	5.0	5.0	5.9
140°	5.9	5.9	5.9	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.0
142.5°	5.0	5.0	5.0	4.2	3.4	3.4	3.4	3.4	3.4	3.4	4.2
145°	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5	2.5	2.5	3.4
147.5°	3.4	3.4	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	2.5	2.5	1.7	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°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	73.1	72.3	71.4	70.6	69.8	69.8	68.9	68.1	68.1	68.1	67.2
5°	75.6	74.0	72.3	70.6	68.1	67.2	65.6	64.7	63.9	63.0	63.0
7.5°	79.8	78.2	74.8	71.4	68.9	66.4	63.9	62.2	61.4	60.5	60.5
10°	86.6	84.1	79.0	74.8	70.6	67.2	64.7	62.2	61.4	60.5	59.7
12.5°	95.8	93.3	86.6	79.8	74.8	69.8	66.4	63.9	62.2	61.4	61.4
15°	109.3	105.1	96.7	88.3	80.7	74.8	70.6	68.1	67.2	66.4	66.4
17.5°	123.6	117.7	108.4	97.5	89.1	81.5	76.5	74.8	73.1	72.3	72.3
20°	140.4	133.6	121.9	108.4	97.5	89.9	84.1	80.7	79.0	78.2	78.2
22.5°	158.9	153.0	136.2	121.0	107.6	99.2	90.8	86.6	84.9	84.1	84.9
25°	180.7	172.3	153.0	134.5	118.5	106.7	98.3	92.5	91.6	90.8	91.6
27.5°	205.1	194.2	171.5	147.1	128.6	114.3	105.1	99.2	98.3	97.5	98.3
30°	231.1	221.1	190.8	162.2	138.7	121.0	110.9	105.9	104.2	105.1	104.2
32.5°	259.7	243.7	210.1	175.7	147.1	126.1	115.1	110.9	110.9	111.8	111.8
35°	290.8	273.2	229.5	188.3	153.8	131.1	119.4	116.0	116.0	117.7	117.7
37.5°	321.9	300.9	248.8	198.4	158.9	133.6	122.7	120.2	120.2	122.7	122.7
40°	355.5	330.3	266.4	207.6	163.1	136.2	124.4	123.6	124.4	126.9	126.9
42.5°	391.7	358.9	282.4	214.3	164.7	137.0	126.1	126.1	127.8	129.4	130.3
45°	429.5	390.0	298.4	218.5	165.6	137.0	126.9	126.9	130.3	132.0	132.0
47.5°	470.7	421.1	311.0	221.1	164.7	136.2	126.9	128.6	131.1	132.8	132.8
50°	515.2	454.7	322.8	221.1	163.1	135.3	126.9	128.6	132.0	132.8	132.8
52.5°	558.9	487.5	330.3	218.5	160.5	133.6	126.1	128.6	132.0	132.0	132.0
55°	605.2	518.6	337.0	215.2	157.2	132.0	125.2	128.6	131.1	131.1	131.1
57.5°	642.1	543.8	337.9	210.1	153.8	130.3	124.4	127.8	130.3	129.4	129.4
60°	674.1	561.5	335.4	203.4	149.6	127.8	123.6	126.9	129.4	127.8	127.8
62.5°	695.1	569.0	327.8	195.8	145.4	126.1	122.7	126.1	128.6	126.9	126.9
65°	695.9	561.5	313.5	187.4	140.4	123.6	121.0	125.2	127.8	125.2	125.2
67.5°	676.6	538.8	295.0	177.3	136.2	121.0	119.4	123.6	126.1	123.6	123.6
70°	635.4	500.9	272.3	167.3	130.3	118.5	117.7	121.9	123.6	121.0	120.2
72.5°	575.7	450.5	247.1	155.5	124.4	114.3	114.3	118.5	120.2	117.7	116.8
75°	498.4	392.5	219.4	142.9	117.7	110.1	110.9	114.3	116.0	113.5	111.8
77.5°	419.4	333.7	192.5	132.0	110.9	105.1	105.9	110.1	110.9	108.4	106.7
80°	340.4	271.5	165.6	119.4	103.4	100.0	100.9	103.4	104.2	101.7	100.0
82.5°	273.2	221.1	140.4	107.6	95.8	93.3	95.0	96.7	96.7	94.1	92.5
85°	215.2	175.7	119.4	95.0	87.4	86.6	88.3	89.1	88.3	85.7	84.1
87.5°	166.4	139.5	100.0	83.2	79.0	79.8	80.7	80.7	79.8	78.2	75.6
90°	129.4	110.9	84.1	73.1	71.4	72.3	73.1	73.1	71.4	68.9	67.2
92.5°	102.5	89.9	70.6	63.9	63.9	65.6	65.6	65.6	63.0	60.5	59.7
95°	79.8	71.4	59.7	56.3	56.3	58.0	58.8	58.0	55.5	53.0	52.1
97.5°	63.9	58.0	51.3	48.7	50.4	52.1	52.1	50.4	47.9	46.2	45.4
100°	51.3	47.1	42.9	42.9	44.5	46.2	46.2	44.5	42.0	38.7	38.7
102.5°	41.2	39.5	37.0	37.8	38.7	40.3	40.3	38.7	35.3	32.8	32.8
105°	33.6	32.8	31.9	32.8	34.5	35.3	35.3	33.6	30.3	27.7	27.7
107.5°	27.7	26.9	26.9	28.6	30.3	31.1	31.1	28.6	26.1	23.5	24.4
110°	23.5	22.7	22.7	24.4	26.1	26.9	26.9	25.2	21.9	20.2	21.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.3	19.3	20.2	21.9	23.5	24.4	23.5	21.0	18.5	17.7	17.7
115°	16.8	16.8	17.7	19.3	20.2	21.0	20.2	18.5	16.0	15.1	15.1
117.5°	14.3	14.3	15.1	16.8	17.7	18.5	17.7	16.0	13.4	13.4	13.4
120°	12.6	12.6	13.4	15.1	16.0	16.0	15.1	13.4	11.8	11.8	11.8
122.5°	11.8	11.8	11.8	12.6	13.4	14.3	13.4	11.8	10.1	10.1	10.1
125°	10.1	10.1	10.9	11.8	11.8	11.8	10.9	10.1	9.2	9.2	9.2
127.5°	9.2	9.2	9.2	10.1	10.9	10.1	9.2	8.4	7.6	8.4	8.4
130°	8.4	8.4	8.4	8.4	9.2	9.2	8.4	7.6	6.7	6.7	6.7
132.5°	7.6	7.6	7.6	7.6	7.6	7.6	6.7	5.9	5.9	6.7	6.7
135°	6.7	6.7	6.7	6.7	6.7	6.7	5.9	5.0	5.0	5.9	5.9
137.5°	5.9	5.9	5.9	5.0	5.9	5.0	5.0	5.0	5.0	5.0	5.0
140°	5.0	5.0	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
142.5°	4.2	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2
145°	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	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	2.5	2.5
150°	1.7	1.7	1.7	1.7	1.7	1.7	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)