

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: P414181

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-20-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2124 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 21
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: 28.75 FT

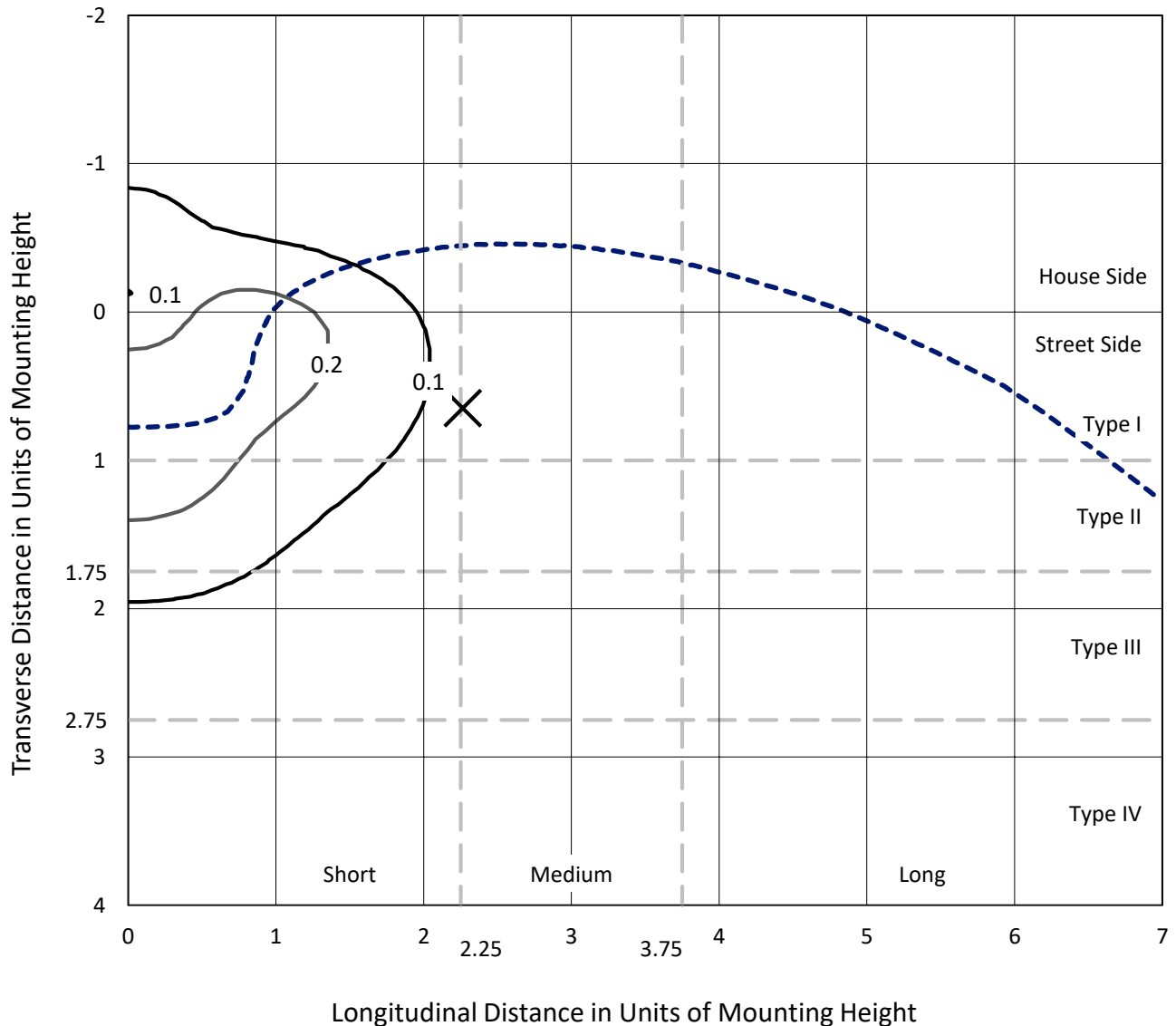


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

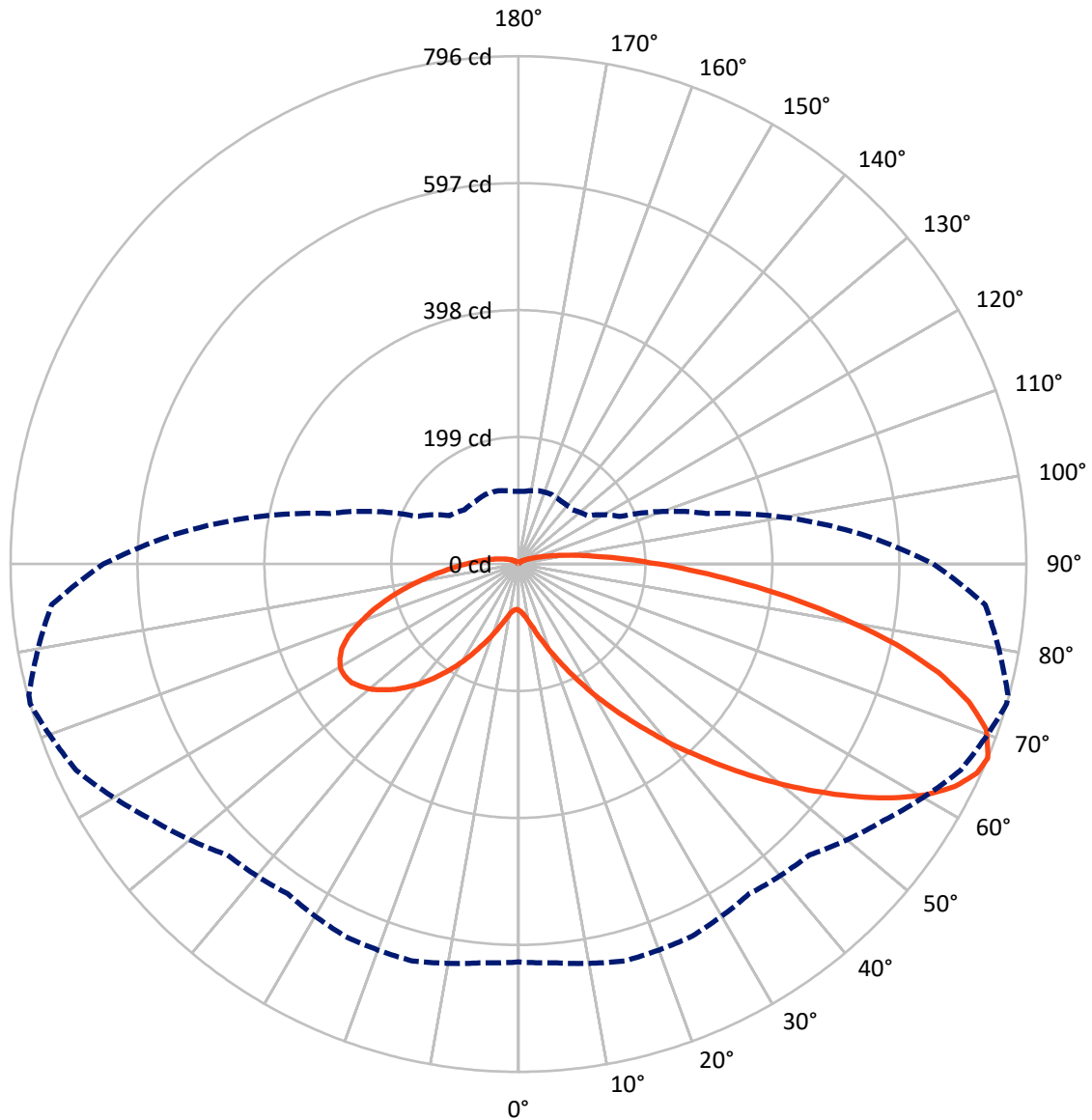


Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	495.3	59.5	554.8
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	1433.4	135.8	1569.2
	% Fixture	67.5	6.4	73.9
Total	Lumens	1928.7	195.3	2124.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.6	0.4
10°-20°	31.0	1.5
20°-30°	76.9	3.6
30°-40°	150.1	7.1
40°-50°	248.2	11.7
50°-60°	359.8	16.9
60°-70°	435.5	20.5
70°-80°	387.1	18.2
80°-90°	232.6	10.9
90°-100°	106.8	5.0
100°-110°	47.5	2.2
110°-120°	22.7	1.1
120°-130°	11.2	0.5
130°-140°	5.1	0.2
140°-150°	1.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1928.7	90.8
0°-180°	2124.0	100.0



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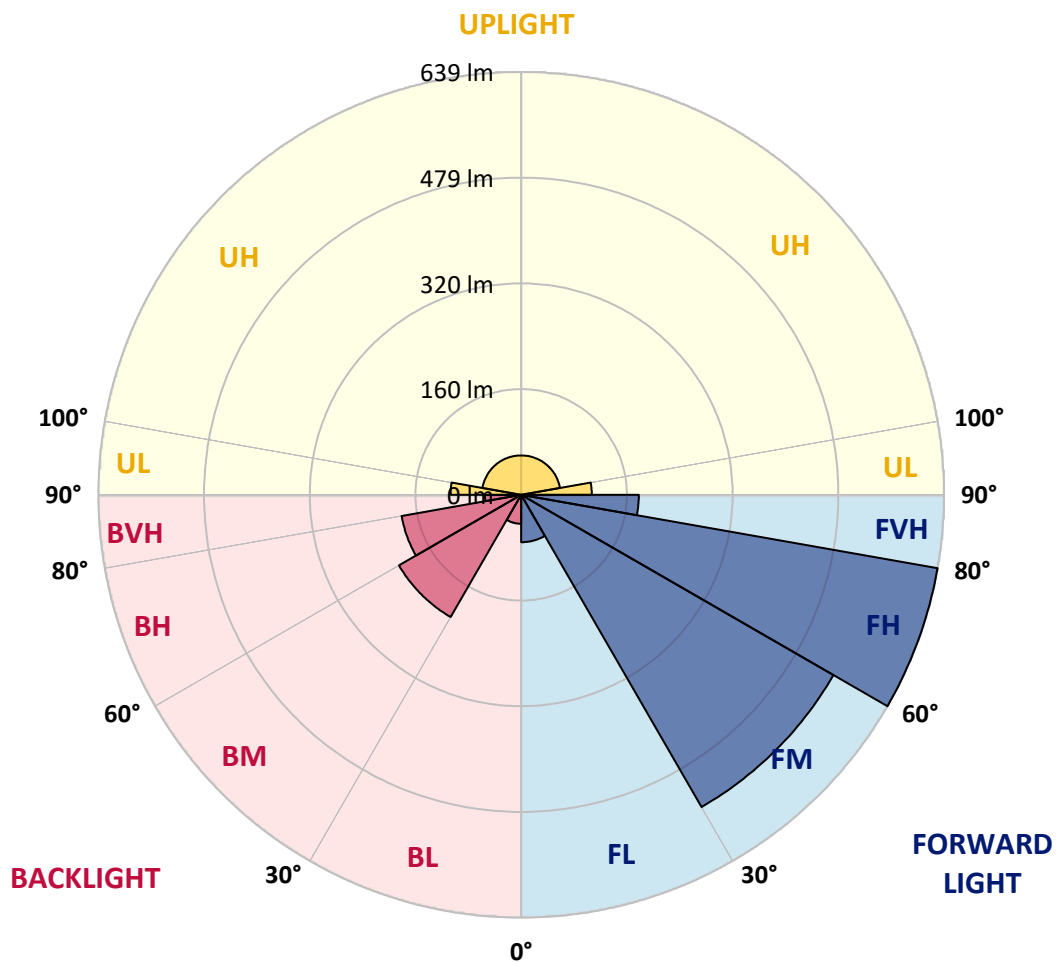
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.6	3.4			
FM (30°-60°)	544.9	25.7			
FH (60°-80°)	639.1	30.1			G0/660
FVH (80°-90°)	177.7	8.4			G2/225
BL (0°-30°)	43.8	2.1	B0/110		
BM (30°-60°)	213.2	10.0	B0/220		
BH (60°-80°)	183.5	8.6	B1/500		G1/500
BVH (80°-90°)	54.8	2.6			G1/100
UL (90°-100°)	106.8	5.0		U3/500	
UH (100°-180°)	59.5	2.8		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°	74°	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°	79.9	79.1	79.1	78.6	78.4	77.6	77.1	75.4	74.6	74.6	73.3
5°	88.5	88.0	87.0	87.0	86.0	84.9	82.9	80.7	78.9	78.6	76.4
7.5°	99.1	97.8	97.8	96.5	95.0	93.3	90.5	87.5	84.7	84.4	80.9
10°	111.2	110.7	110.1	108.4	106.4	102.8	100.3	96.0	92.8	92.5	87.7
12.5°	126.0	125.3	123.8	122.0	118.5	115.9	111.4	106.6	102.3	102.6	97.0
15°	142.2	141.7	140.6	137.9	133.8	130.3	125.8	120.7	116.5	114.7	108.9
17.5°	160.6	159.6	158.3	155.3	150.7	147.2	141.2	136.4	130.8	131.1	122.8
20°	182.2	181.2	179.5	174.7	170.6	165.9	159.6	154.3	148.0	147.5	139.1
22.5°	203.7	204.2	199.9	194.8	191.1	185.5	179.5	172.7	167.1	166.6	157.0
25°	230.1	228.4	224.1	218.3	212.5	205.7	200.4	194.3	189.0	188.5	177.2
27.5°	257.9	256.3	250.5	243.2	235.4	227.9	223.3	217.0	213.0	212.2	200.6
30°	288.1	285.6	280.3	270.5	259.6	251.1	246.5	244.2	240.5	239.5	227.6
32.5°	322.1	318.9	311.0	299.2	283.6	274.0	272.0	270.0	268.4	266.9	255.8
35°	355.9	354.9	343.3	328.7	313.3	300.7	297.2	300.5	299.4	298.4	286.6
37.5°	391.4	393.2	380.6	361.5	340.3	326.9	324.4	330.4	333.2	333.2	319.1
40°	433.3	431.8	419.2	395.7	371.0	355.4	356.2	365.2	372.0	370.5	356.7
42.5°	474.9	471.6	455.0	432.0	400.8	385.1	385.1	399.0	409.3	409.6	395.0
45°	515.7	512.2	496.6	466.6	432.5	415.6	419.2	436.1	453.0	450.7	436.3
47.5°	553.0	551.5	535.4	503.4	465.0	447.4	454.5	479.7	498.1	498.1	482.2
50°	589.6	587.6	572.4	536.4	497.8	480.4	491.0	521.8	545.2	546.5	528.1
52.5°	621.1	619.8	605.7	569.9	530.1	512.4	528.3	566.9	593.9	596.6	577.2
55°	643.8	644.5	633.7	599.6	559.3	544.7	566.4	611.7	643.8	644.3	623.3
57.5°	660.4	661.4	654.1	624.6	585.0	573.9	603.2	655.1	691.4	693.7	666.2
60°	667.5	669.2	666.9	642.2	608.0	600.9	636.2	693.9	734.2	735.0	702.0
62.5°	663.7	665.4	670.0	652.3	624.6	624.4	668.2	727.7	767.8	768.8	729.2
65°	646.5	649.3	660.6	652.3	630.7	639.0	689.4	753.7	789.7	791.0	739.8
67°	623.6	627.1	643.8	643.5	630.7	644.8	699.7	764.5	795.8	794.2	734.2
67.5°	618.3	621.8	638.5	641.0	628.9	645.5	701.0	765.8	793.5	793.2	730.7
70°	573.4	579.7	603.9	616.0	615.8	639.5	700.5	759.0	778.1	775.6	701.2
72.5°	521.8	529.6	559.1	582.3	589.8	620.6	682.1	732.0	738.3	735.3	646.0
75°	468.6	472.9	503.6	536.6	555.8	588.6	647.5	689.1	680.3	673.0	577.0
77.5°	412.4	414.1	448.4	485.5	508.7	546.5	596.1	626.4	604.7	598.6	498.3
80°	347.1	354.4	388.7	427.2	456.0	490.3	532.1	550.2	513.9	508.4	414.6
82.5°	293.6	298.2	329.4	367.3	399.5	431.8	459.0	463.8	425.7	421.7	333.2
85°	239.7	243.7	276.5	311.5	341.8	368.8	386.9	379.9	340.3	336.0	263.4
87.5°	198.4	201.4	224.1	259.6	286.3	305.7	315.3	306.5	268.7	262.6	203.4
90°	157.3	161.8	182.2	212.2	239.5	252.1	253.1	238.4	207.4	202.9	155.8
92.5°	127.0	130.1	149.5	174.4	195.9	205.4	202.9	190.6	162.1	156.8	120.5
95°	102.8	105.4	121.5	143.4	160.8	169.6	162.6	146.2	123.8	121.7	93.0
97.5°	85.4	86.0	98.6	118.2	132.1	136.6	131.1	116.2	96.8	92.8	71.3
100°	69.8	70.3	80.9	95.8	108.4	111.4	105.9	91.5	75.1	72.6	56.0
102.5°	56.7	58.0	66.0	79.4	88.7	91.0	85.2	72.6	58.0	56.2	43.6
105°	48.1	48.4	55.5	65.5	73.9	75.6	69.8	59.0	45.6	44.6	34.8
107.5°	40.8	40.8	46.4	55.2	61.8	62.8	58.2	48.1	36.0	35.0	28.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	35.0	35.3	39.3	46.4	52.4	53.2	48.6	38.6	28.7	28.0	22.9
112.5°	30.5	31.0	33.8	39.3	44.6	45.4	40.8	31.5	23.4	22.4	19.2
115°	27.0	27.2	29.2	33.8	38.1	38.6	34.0	26.0	18.9	18.1	16.1
117.5°	23.9	24.2	25.7	29.5	32.8	33.0	28.5	21.4	15.9	15.1	14.1
120°	21.7	21.7	22.9	25.5	28.2	28.2	23.9	17.6	13.1	12.9	12.1
122.5°	19.7	19.7	20.4	22.2	24.2	23.7	19.9	14.6	11.1	10.8	10.6
125°	17.9	17.9	18.4	19.4	20.7	19.9	16.4	12.1	9.6	9.3	9.3
127.5°	16.1	16.1	16.4	17.1	17.4	16.6	13.6	10.1	8.3	8.1	8.3
130°	14.6	14.6	14.6	14.6	14.6	14.1	11.1	8.3	7.1	7.1	7.3
132.5°	13.1	13.1	12.9	12.6	12.4	11.3	9.1	6.8	6.3	6.3	6.6
135°	11.6	11.6	11.3	10.8	10.1	8.8	6.8	5.5	5.3	5.3	5.5
137.5°	10.1	10.1	9.8	9.1	8.1	6.8	5.3	4.5	4.5	4.5	4.8
140°	8.6	8.6	8.3	7.6	6.3	5.0	4.0	3.5	3.8	3.8	4.0
142.5°	7.3	7.1	6.8	6.0	4.8	3.5	2.8	2.8	3.0	3.0	3.3
145°	5.8	5.5	5.3	4.5	3.5	2.5	2.0	2.0	2.3	2.3	2.5
147.5°	4.5	4.3	4.0	3.3	2.5	1.8	1.3	1.5	1.8	1.8	1.8
150°	3.0	3.0	3.0	2.5	1.5	1.0	0.8	1.0	1.0	1.0	1.3
152.5°	2.0	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.8	0.8	0.8
155°	1.3	1.3	1.3	1.0	0.5	0.3	0.3	0.3	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.5	0.5	0.5	0.3	0.0	0.0	0.3	0.3	0.3
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°	72.8	72.3	71.3	70.6	69.8	69.1	68.3	67.8	67.0	67.0	67.0
5°	75.4	74.1	72.1	70.6	68.8	67.6	66.0	65.0	64.3	64.0	64.0
7.5°	79.7	77.9	74.9	71.8	69.3	67.3	65.5	64.3	63.3	63.0	63.0
10°	85.7	83.4	78.6	75.1	71.8	69.1	66.8	65.0	64.3	63.8	63.8
12.5°	94.5	91.5	86.0	79.9	75.6	72.1	69.3	68.6	68.6	68.8	68.6
15°	105.1	102.1	94.5	87.5	81.2	77.1	75.6	75.6	75.4	75.9	75.9
17.5°	118.5	114.2	105.1	95.8	88.5	84.7	83.2	82.7	83.2	83.9	83.4
20°	134.3	128.0	116.7	105.1	97.3	93.5	91.0	90.5	91.2	91.7	92.0
22.5°	151.0	144.2	129.8	114.9	106.9	101.8	99.1	98.3	99.6	100.8	101.1
25°	169.9	162.3	143.9	126.8	115.4	108.6	106.1	105.9	107.9	109.6	109.6
27.5°	192.8	182.7	159.3	139.6	125.0	115.9	113.2	113.4	116.2	117.7	118.2
30°	216.8	205.4	176.9	151.5	132.6	121.7	118.7	120.0	122.8	125.8	126.3
32.5°	243.7	230.4	194.1	163.3	139.4	126.3	123.0	125.5	128.6	132.1	132.6
35°	272.0	254.1	211.7	174.2	144.9	129.8	126.0	129.1	132.8	136.1	137.1
37.5°	304.0	282.8	230.9	183.0	149.2	131.8	127.8	131.3	135.6	138.9	139.1
40°	336.8	312.3	249.0	191.3	152.2	133.1	128.8	132.3	136.4	139.1	139.4
42.5°	371.0	342.3	265.9	198.1	153.8	133.1	128.3	131.8	135.6	137.1	137.4
45°	411.1	374.1	283.3	202.9	154.3	132.6	127.5	130.3	133.1	133.6	134.3
47.5°	451.4	405.6	298.2	206.4	154.0	131.3	126.3	128.6	130.3	129.8	130.6
50°	494.0	439.8	312.6	208.7	152.7	130.1	124.5	126.5	127.0	125.5	125.5
52.5°	534.9	469.6	323.6	209.0	151.0	128.6	123.3	124.8	124.5	121.7	122.0
55°	575.7	501.3	333.0	206.7	148.5	127.0	122.0	123.0	122.2	119.0	118.5
57.5°	610.7	527.1	337.0	203.4	145.7	125.5	121.2	122.2	120.7	117.0	116.7
60°	640.5	547.0	337.3	198.9	142.4	124.3	120.5	121.7	120.5	115.9	115.4
62.5°	658.9	556.0	330.7	191.8	139.1	122.8	120.5	121.5	120.0	115.4	115.2
65°	661.9	551.5	320.1	183.8	135.4	121.2	120.0	121.2	119.7	114.9	114.4
67°	650.1	538.4	305.7	176.2	132.1	120.0	119.0	120.7	119.0	114.4	113.7
67.5°	646.0	532.3	302.5	175.2	131.3	119.5	118.7	120.2	118.7	114.2	113.4
70°	610.7	499.3	277.8	164.1	126.5	117.0	117.0	118.2	116.7	112.4	111.2
72.5°	556.3	453.0	253.1	153.5	121.2	113.2	113.9	115.2	113.7	109.6	108.1
75°	493.3	400.8	225.6	141.2	115.2	109.4	109.9	111.2	109.6	105.4	104.1
77.5°	423.2	340.5	197.9	129.8	108.9	104.4	104.6	105.4	104.1	99.8	98.6
80°	348.1	280.8	169.6	117.0	101.6	98.1	98.3	98.3	96.5	93.0	92.0
82.5°	280.5	228.1	144.7	105.6	93.5	91.0	91.0	90.7	88.5	85.4	83.9
85°	218.3	184.0	121.2	94.0	85.4	83.2	82.9	81.9	79.7	76.4	74.6
87.5°	171.1	145.7	102.1	82.9	77.4	75.9	74.4	72.1	70.3	67.6	66.0
90°	133.6	115.7	86.2	72.8	69.6	67.6	66.0	63.3	60.5	57.7	57.0
92.5°	104.6	91.5	71.8	63.5	61.5	60.0	58.0	54.9	52.4	49.2	49.4
95°	82.9	74.4	61.3	56.0	54.4	53.2	50.7	47.4	44.6	41.6	41.1
97.5°	65.0	59.2	51.4	48.6	48.1	46.6	44.1	40.8	37.8	34.5	34.5
100°	51.7	48.4	43.4	42.9	41.8	40.8	38.3	35.3	31.5	28.7	28.7
102.5°	41.6	38.8	37.1	37.1	36.8	35.8	33.3	30.2	26.5	23.7	23.7
105°	33.3	32.3	31.5	32.3	32.5	31.5	29.0	25.7	21.9	19.4	19.9
107.5°	27.7	27.0	27.0	28.0	28.5	27.5	25.2	21.7	18.1	16.4	16.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.9	22.7	23.2	24.4	24.7	23.9	21.7	18.4	15.1	13.6	13.9
112.5°	19.4	19.2	20.2	21.4	21.7	20.9	18.7	15.6	12.6	11.6	11.6
115°	16.4	16.6	17.4	18.4	18.9	18.1	16.1	13.4	10.3	9.8	9.8
117.5°	14.1	14.4	15.1	16.4	16.6	15.6	13.6	11.1	8.8	8.6	8.6
120°	12.4	12.6	13.4	14.1	14.4	13.4	11.6	9.3	7.6	7.3	7.3
122.5°	10.8	11.3	11.8	12.4	12.6	11.6	10.1	7.8	6.3	6.3	6.6
125°	9.6	9.8	10.3	10.8	10.8	9.8	8.3	6.6	5.5	5.5	5.5
127.5°	8.6	8.6	8.8	9.3	9.3	8.6	7.1	5.3	4.8	4.8	5.0
130°	7.6	7.8	7.8	7.8	7.8	7.1	5.8	4.5	4.0	4.3	4.3
132.5°	6.6	6.8	6.8	6.8	6.6	5.8	4.8	3.8	3.5	3.8	3.8
135°	5.8	5.8	5.8	5.8	5.3	4.8	3.8	3.0	3.0	3.3	3.3
137.5°	5.0	5.0	5.0	4.8	4.3	3.8	3.0	2.5	2.5	2.8	2.8
140°	4.0	4.3	4.0	3.8	3.3	2.8	2.3	2.0	2.3	2.3	2.3
142.5°	3.3	3.3	3.3	3.0	2.5	2.0	1.8	1.5	1.8	1.8	2.0
145°	2.5	2.5	2.5	2.3	1.8	1.3	1.3	1.3	1.5	1.5	1.5
147.5°	1.8	1.8	1.8	1.5	1.0	0.8	0.8	0.8	1.0	1.0	1.0
150°	1.3	1.3	1.3	1.0	0.5	0.3	0.3	0.5	0.8	0.8	0.8
152.5°	0.8	0.8	0.8	0.5	0.3	0.0	0.3	0.5	0.5	0.3	0.3
155°	0.5	0.5	0.5	0.5	0.3	0.0	0.3	0.3	0.3	0.0	0.0
157.5°	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0
160°	0.3	0.3	0.3	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)