

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: P694496

Luminaire Tested: **LXF.LXT-PA16-20-727-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2224 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G2

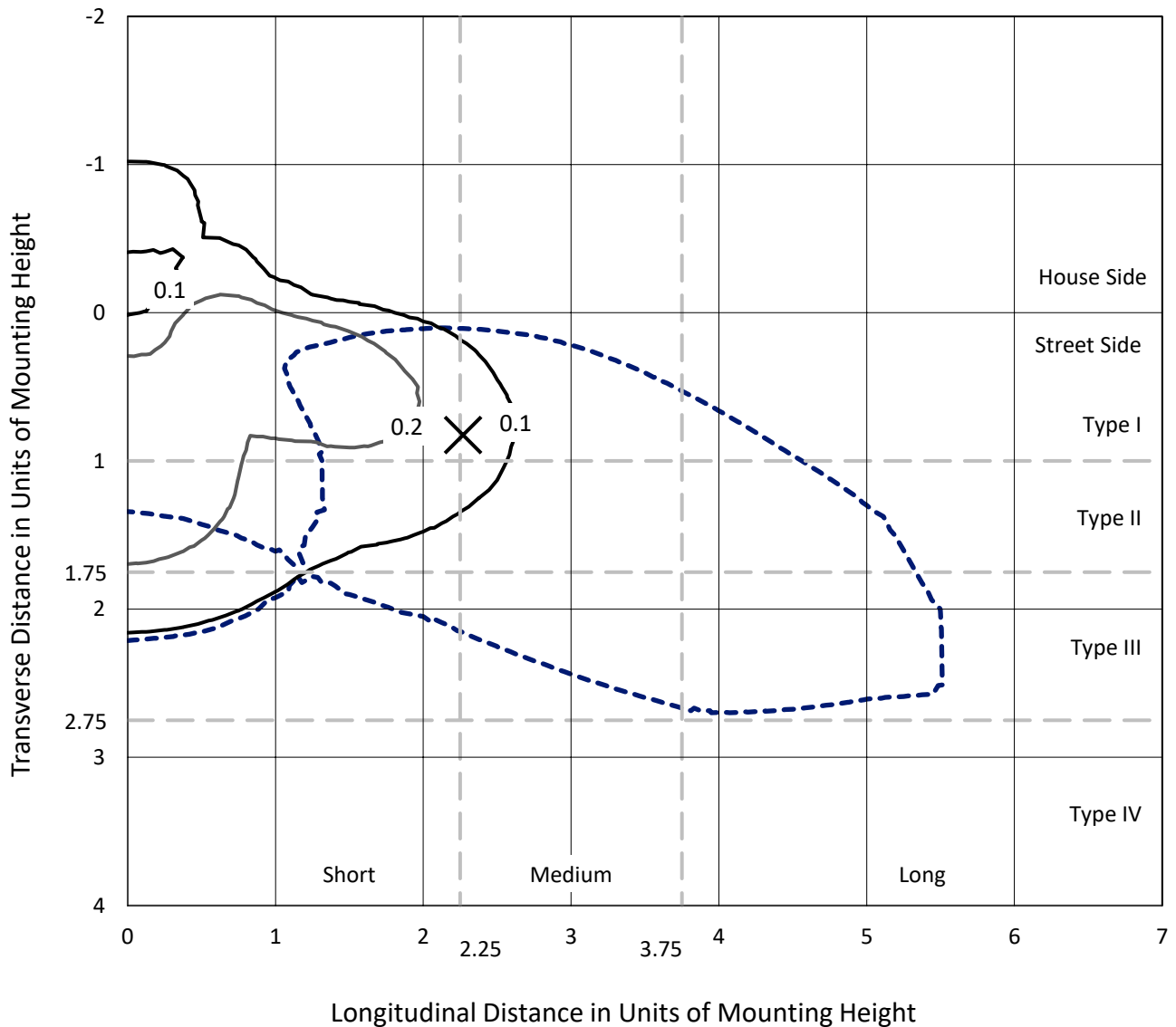
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

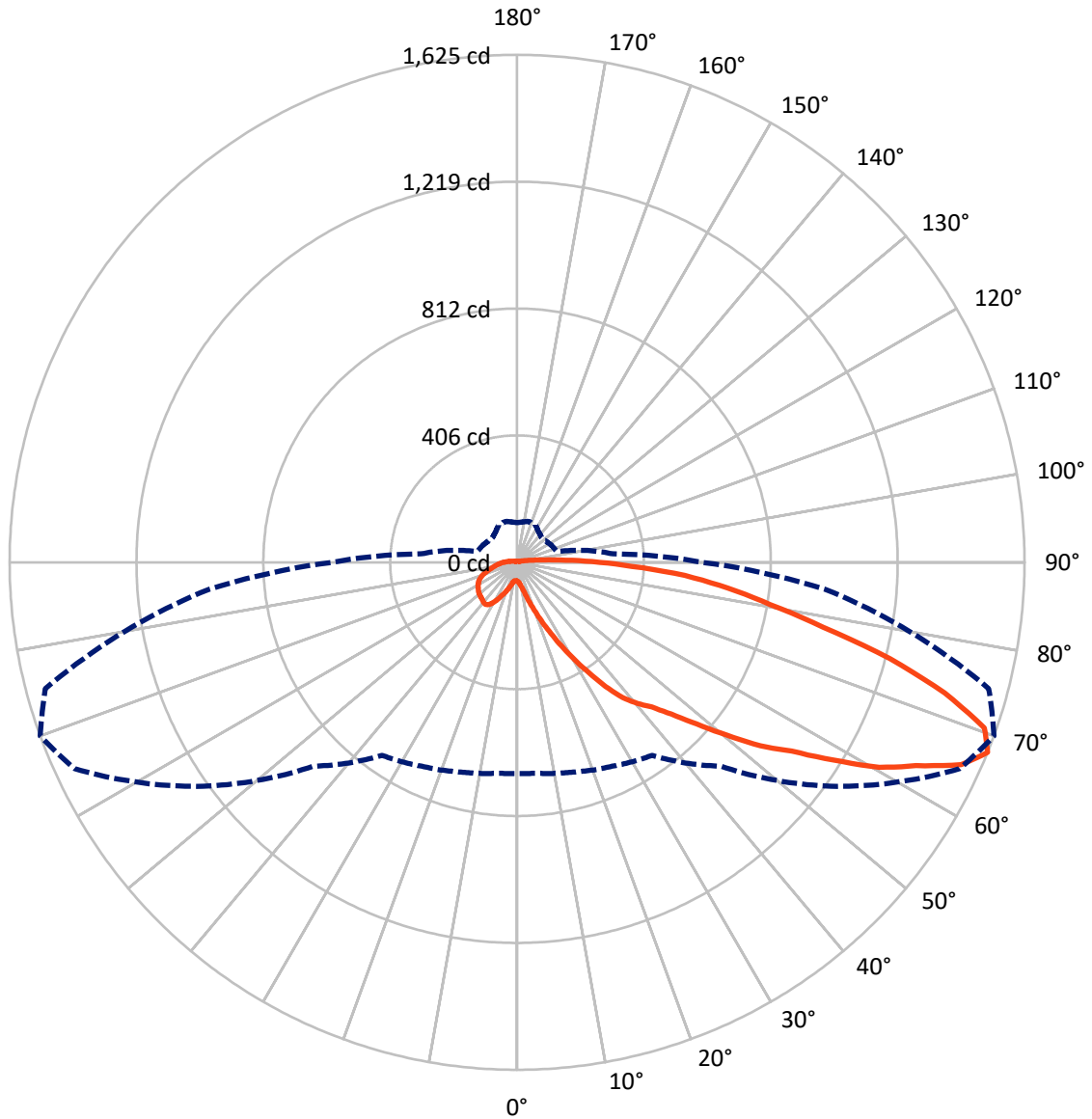
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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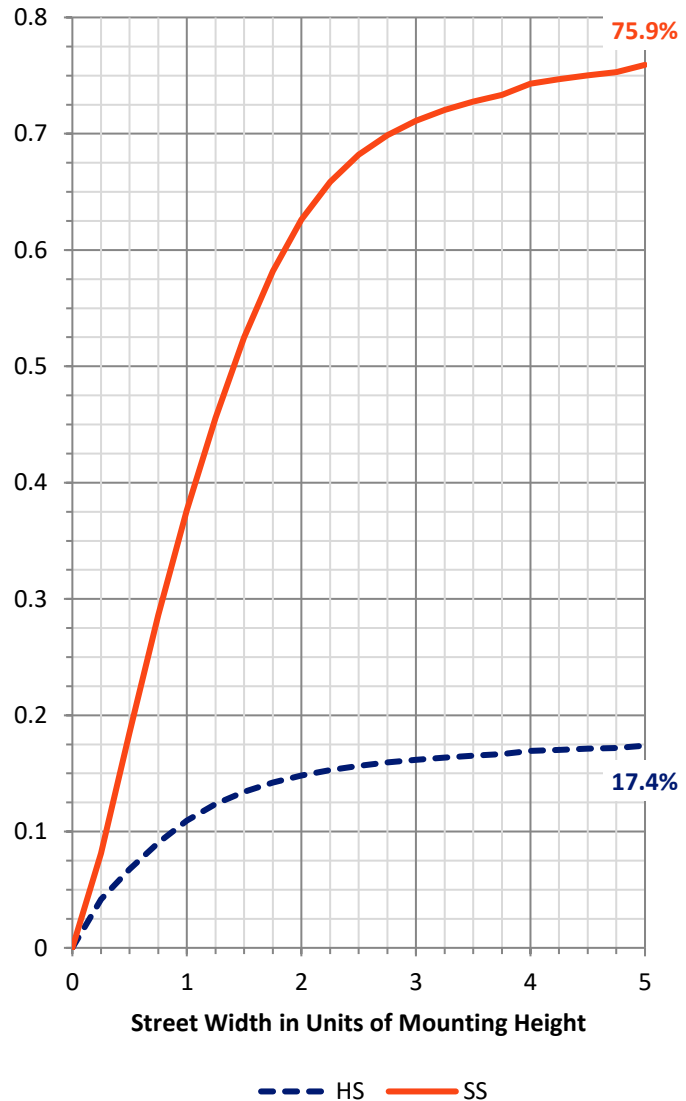
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	406.2	36.3	442.5
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	1735.1	46.3	1781.5
	% Fixture	78.0	2.1	80.1
Total	Lumens	2141.4	82.6	2224.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.3
10°-20°	27.1	1.2
20°-30°	80.2	3.6
30°-40°	175.3	7.9
40°-50°	275.9	12.4
50°-60°	426.7	19.2
60°-70°	570.3	25.6
70°-80°	403.5	18.1
80°-90°	176.2	7.9
90°-100°	49.6	2.2
100°-110°	15.9	0.7
110°-120°	7.7	0.3
120°-130°	4.8	0.2
130°-140°	3.1	0.1
140°-150°	1.5	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2141.4	96.3
0°-180°	2224.0	100.0

Coefficient of Utilization

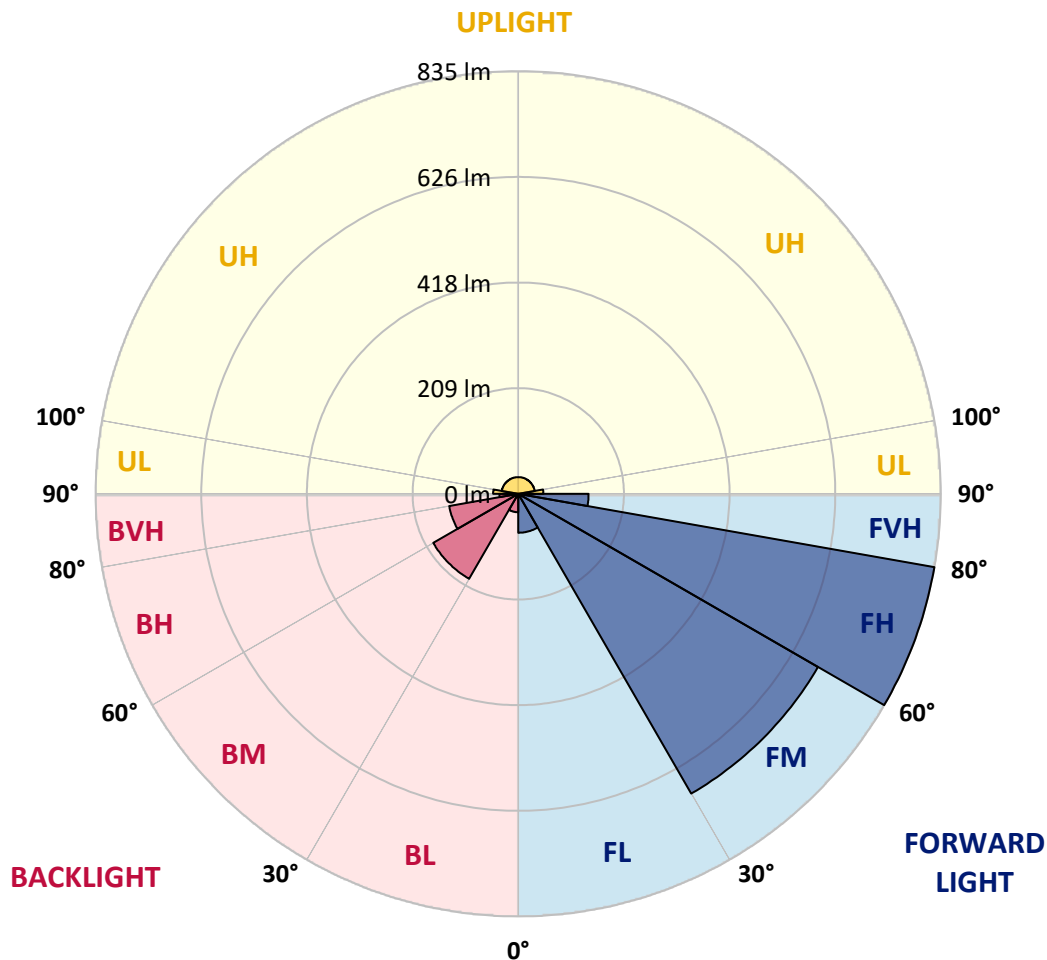


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.0	3.5			
FM (30°-60°)	683.9	30.8			
FH (60°-80°)	835.2	37.6			G1/1800
FVH (80°-90°)	139.0	6.2			G2/225
BL (0°-30°)	36.5	1.6	B0/110		
BM (30°-60°)	194.0	8.7	B0/220		
BH (60°-80°)	138.6	6.2	B1/500		G1/500
BVH (80°-90°)	37.2	1.7			G1/100
UL (90°-100°)	49.6	2.2		U2/50	
UH (100°-180°)	33.0	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	63.9	63.9	64.7	63.9	63.9	63.9	63.0	62.2	61.4	61.4	60.5
5°	70.6	70.6	70.6	70.6	69.8	68.9	68.1	66.4	65.6	64.7	63.0
7.5°	79.0	79.0	79.0	79.0	78.2	77.3	74.8	72.3	71.4	70.6	67.2
10°	91.6	91.6	91.6	89.9	89.1	87.4	84.9	82.4	80.7	79.0	74.0
12.5°	108.4	107.6	107.6	105.9	102.5	99.2	98.3	95.8	94.1	92.5	86.6
15°	129.4	129.4	129.4	125.2	121.9	118.5	117.7	115.2	115.2	112.6	105.1
17.5°	153.0	153.0	149.6	145.4	142.9	141.2	142.1	141.2	140.4	137.0	126.9
20°	179.0	178.2	174.0	168.1	164.7	166.4	168.9	171.5	170.6	166.4	152.1
22.5°	212.7	211.0	203.4	195.0	187.4	190.0	198.4	206.8	209.3	202.6	184.9
25°	248.8	248.8	237.9	225.3	216.0	215.2	226.9	250.5	252.2	251.3	226.1
27.5°	296.7	294.2	279.1	260.6	242.9	243.8	262.2	293.3	303.4	302.6	269.0
30°	348.8	348.0	330.3	303.4	273.2	269.0	299.2	346.3	358.9	364.0	318.6
32.5°	389.2	393.4	371.5	345.5	306.0	295.0	332.9	395.9	421.1	422.8	364.8
35°	434.6	434.6	413.5	380.8	334.5	320.2	367.3	449.7	488.3	491.7	411.9
37.5°	453.0	458.9	443.0	411.9	361.4	342.1	402.6	510.2	549.7	561.5	446.3
40°	477.4	482.5	464.8	431.2	383.3	364.8	432.9	555.6	594.3	600.1	457.2
42.5°	524.5	528.7	502.6	455.6	401.8	384.1	454.7	585.9	632.9	642.2	475.7
45°	572.4	576.6	553.1	497.6	425.3	402.6	475.7	635.4	692.6	701.0	503.5
47.5°	637.1	638.8	607.7	544.7	460.6	424.5	507.7	701.8	773.3	783.4	541.3
50°	707.7	710.3	669.9	599.3	501.0	461.5	553.1	777.5	869.1	885.1	595.9
52.5°	778.3	770.8	734.6	661.5	554.8	506.0	606.0	874.2	975.9	985.1	646.4
55°	858.2	846.4	801.0	717.0	614.4	563.2	688.4	967.5	1066.6	1073.4	701.8
57.5°	941.4	930.5	872.5	778.3	674.9	644.7	779.2	1070.0	1193.6	1211.2	786.7
60°	955.7	949.8	907.8	835.5	742.2	732.9	890.1	1205.3	1333.1	1333.9	858.2
62.5°	938.0	935.5	896.8	847.3	793.5	824.6	1038.1	1333.9	1433.9	1424.7	922.1
65°	853.1	843.9	843.9	819.5	806.9	907.8	1168.3	1455.8	1562.6	1534.0	982.6
67.5°	676.6	677.5	695.1	720.3	754.0	922.9	1250.7	1563.4	1624.7	1563.4	989.3
70°	476.6	489.2	527.0	583.3	649.7	854.8	1254.9	1550.8	1586.9	1526.4	945.6
72.5°	348.8	338.7	368.2	419.4	519.4	735.5	1147.3	1430.6	1432.3	1343.2	818.7
75°	236.2	237.0	258.0	302.6	377.4	598.5	996.9	1238.9	1233.9	1131.4	682.5
77.5°	157.2	158.9	178.2	213.5	284.1	479.9	833.8	1024.6	1001.9	932.2	547.2
80°	107.6	111.8	122.7	147.9	206.8	379.9	684.2	840.5	822.0	754.8	441.3
82.5°	77.3	78.2	89.1	108.4	147.9	290.8	557.3	705.2	680.0	607.7	352.2
85°	58.8	58.8	66.4	79.9	106.7	221.9	444.6	561.5	538.8	469.9	263.1
87.5°	42.9	43.7	48.8	60.5	79.0	168.1	341.3	403.5	367.3	324.4	180.7
90°	27.7	29.4	32.8	43.7	58.8	119.4	237.9	263.9	239.6	200.9	116.8
92.5°	17.7	17.7	21.0	29.4	42.9	81.5	149.6	156.3	135.3	122.7	71.4
95°	11.8	12.6	15.1	20.2	30.3	55.5	89.9	90.8	79.9	67.2	45.4
97.5°	10.1	10.1	11.8	15.1	22.7	37.8	53.0	51.3	46.2	41.2	31.9
100°	8.4	8.4	10.1	12.6	18.5	27.7	33.6	32.8	30.3	29.4	25.2
102.5°	7.6	7.6	8.4	10.9	15.1	21.9	24.4	22.7	21.9	21.9	19.3
105°	6.7	6.7	7.6	9.2	12.6	17.7	18.5	16.8	16.8	16.0	15.1
107.5°	5.9	5.9	6.7	7.6	10.9	14.3	14.3	12.6	12.6	12.6	12.6
110°	5.9	5.9	5.9	6.7	9.2	11.8	11.8	10.1	10.1	9.2	10.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.0	5.0	5.0	6.7	8.4	10.1	9.2	8.4	7.6	7.6	8.4
115°	5.0	4.2	5.0	5.9	7.6	8.4	8.4	6.7	6.7	6.7	7.6
117.5°	4.2	4.2	4.2	5.0	6.7	7.6	6.7	5.9	5.9	5.9	6.7
120°	4.2	4.2	4.2	5.0	6.7	6.7	5.9	5.0	5.0	5.0	5.9
122.5°	4.2	4.2	4.2	5.0	5.9	5.9	5.9	5.0	5.0	5.0	5.9
125°	4.2	4.2	4.2	5.0	5.9	5.9	5.0	4.2	4.2	4.2	5.9
127.5°	4.2	4.2	4.2	5.0	5.0	5.0	4.2	4.2	4.2	4.2	5.0
130°	4.2	4.2	4.2	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.0
132.5°	4.2	4.2	4.2	5.0	5.0	4.2	4.2	3.4	4.2	4.2	5.0
135°	4.2	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2	4.2
137.5°	4.2	4.2	4.2	4.2	4.2	3.4	2.5	3.4	3.4	3.4	4.2
140°	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	2.5	2.5	1.7	2.5	2.5	2.5	3.4
145°	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5	2.5
147.5°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7
150°	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	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°	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2.5°	60.5	59.7	59.7	58.8	58.0	58.0	58.0	58.0	57.2	57.2	57.2
5°	62.2	61.4	59.7	58.0	56.3	54.6	54.6	53.8	53.8	53.0	52.1
7.5°	65.6	63.9	60.5	58.0	55.5	53.0	52.1	51.3	50.4	49.6	49.6
10°	72.3	68.9	63.9	58.8	54.6	51.3	49.6	48.8	47.9	47.1	47.1
12.5°	82.4	79.0	70.6	62.2	55.5	51.3	48.8	47.9	47.1	47.1	47.1
15°	99.2	93.3	80.7	68.9	58.0	52.1	49.6	50.4	52.1	52.1	52.1
17.5°	118.5	111.0	92.5	76.5	63.0	56.3	54.6	56.3	58.0	58.8	58.8
20°	141.2	129.4	105.1	84.1	68.9	63.9	62.2	63.9	66.4	68.1	68.1
22.5°	169.8	151.3	118.5	91.6	76.5	71.4	70.6	72.3	75.6	79.0	78.2
25°	202.6	178.2	133.6	100.0	86.6	79.9	80.7	84.1	89.9	93.3	95.0
27.5°	238.7	205.9	148.8	111.8	95.8	89.1	90.8	96.7	105.9	111.8	111.8
30°	277.4	232.8	163.9	123.6	105.9	98.3	101.7	112.6	122.7	130.3	130.3
32.5°	315.2	258.9	175.7	137.0	116.8	107.6	112.6	126.9	140.4	148.8	149.6
35°	344.6	274.9	181.6	147.1	126.1	115.2	121.9	142.1	159.7	168.9	169.8
37.5°	361.4	279.9	182.4	154.7	133.6	121.9	131.1	154.7	174.0	183.2	183.2
40°	358.9	269.8	176.5	158.9	138.7	127.8	139.5	166.4	185.8	192.5	190.8
42.5°	364.0	265.6	172.3	157.2	140.4	131.1	144.6	172.3	188.3	190.8	189.1
45°	369.8	259.7	168.1	155.5	139.5	132.8	147.1	172.3	185.8	184.9	183.2
47.5°	385.8	258.9	165.6	154.7	138.7	132.0	147.1	171.5	181.6	177.4	175.7
50°	407.7	262.2	163.9	153.0	137.8	130.3	145.4	169.8	179.0	174.8	173.1
52.5°	427.8	263.9	160.5	151.3	137.0	129.4	144.6	169.8	177.4	168.9	166.4
55°	453.9	272.3	156.3	147.9	135.3	127.8	143.7	168.1	169.8	159.7	158.0
57.5°	501.8	288.3	153.0	143.7	132.8	126.9	142.1	162.2	164.7	155.5	153.0
60°	537.1	300.1	149.6	140.4	128.6	124.4	137.8	158.9	159.7	147.1	144.6
62.5°	568.2	308.5	143.7	136.2	126.1	121.9	133.6	151.3	148.8	137.8	137.0
65°	598.5	315.2	139.5	130.3	121.0	116.8	128.6	141.2	142.1	132.8	131.1
67.5°	592.6	308.5	131.1	123.6	115.2	111.0	119.4	134.5	135.3	128.6	126.9
70°	557.3	285.8	121.0	116.0	106.7	102.5	110.1	125.2	127.8	122.7	121.9
72.5°	482.5	247.1	107.6	105.1	97.5	93.3	100.9	113.5	117.7	113.5	111.8
75°	406.0	208.5	95.8	93.3	88.3	84.1	89.9	101.7	106.7	105.9	105.9
77.5°	325.3	167.3	84.9	83.2	79.0	75.6	80.7	90.8	97.5	98.3	96.7
80°	261.4	136.2	74.8	74.0	71.4	68.9	71.4	79.9	87.4	89.1	88.3
82.5°	210.1	113.5	66.4	66.4	63.9	62.2	63.9	71.4	80.7	84.1	83.2
85°	161.4	93.3	59.7	58.8	57.2	56.3	58.0	63.0	73.1	77.3	77.3
87.5°	117.7	74.0	53.0	51.3	50.4	50.4	51.3	56.3	65.6	68.9	68.1
90°	81.5	57.2	45.4	43.7	42.9	43.7	45.4	49.6	56.3	57.2	57.2
92.5°	55.5	43.7	37.8	36.1	36.1	37.8	39.5	42.9	47.1	46.2	45.4
95°	38.7	32.8	30.3	29.4	29.4	31.1	32.8	36.1	38.7	37.0	36.1
97.5°	28.6	26.1	25.2	24.4	23.5	26.1	26.9	28.6	31.1	30.3	29.4
100°	22.7	21.9	21.0	20.2	19.3	21.0	21.9	23.5	25.2	23.5	23.5
102.5°	18.5	18.5	17.7	16.8	16.8	17.7	18.5	19.3	20.2	19.3	18.5
105°	15.1	15.1	15.1	14.3	14.3	15.1	16.0	16.0	16.8	15.1	15.1
107.5°	12.6	12.6	13.4	12.6	12.6	13.4	13.4	13.4	13.4	12.6	12.6
110°	10.9	10.9	10.9	10.9	10.9	11.8	11.8	11.8	11.8	10.9	10.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.2	9.2	9.2	9.2	9.2	10.1	10.1	10.1	10.1	9.2	9.2
115°	7.6	8.4	8.4	8.4	8.4	8.4	9.2	8.4	8.4	8.4	8.4
117.5°	6.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
120°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.6	7.6
122.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	6.7	6.7	6.7
125°	5.9	5.9	5.9	5.9	5.0	5.0	5.9	5.9	5.9	5.9	5.9
127.5°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.9
130°	5.0	5.0	5.0	5.0	4.2	4.2	4.2	5.0	5.0	5.0	5.0
132.5°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	5.0	5.0
135°	4.2	4.2	4.2	4.2	3.4	3.4	4.2	4.2	4.2	4.2	4.2
137.5°	4.2	4.2	3.4	3.4	3.4	3.4	3.4	3.4	4.2	4.2	4.2
140°	3.4	3.4	3.4	2.5	2.5	2.5	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	2.5	2.5	2.5	1.7	1.7	2.5	3.4	3.4	3.4	3.4
145°	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5	2.5
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5	2.5
150°	1.7	1.7	1.7	0.8	0.8	0.8	1.7	2.5	2.5	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

(END OF REPORT)