

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: P694699

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-20-827-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2085 lumens
Efficiency: N/A
Efficacy: 95.6 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 - U2 - G2

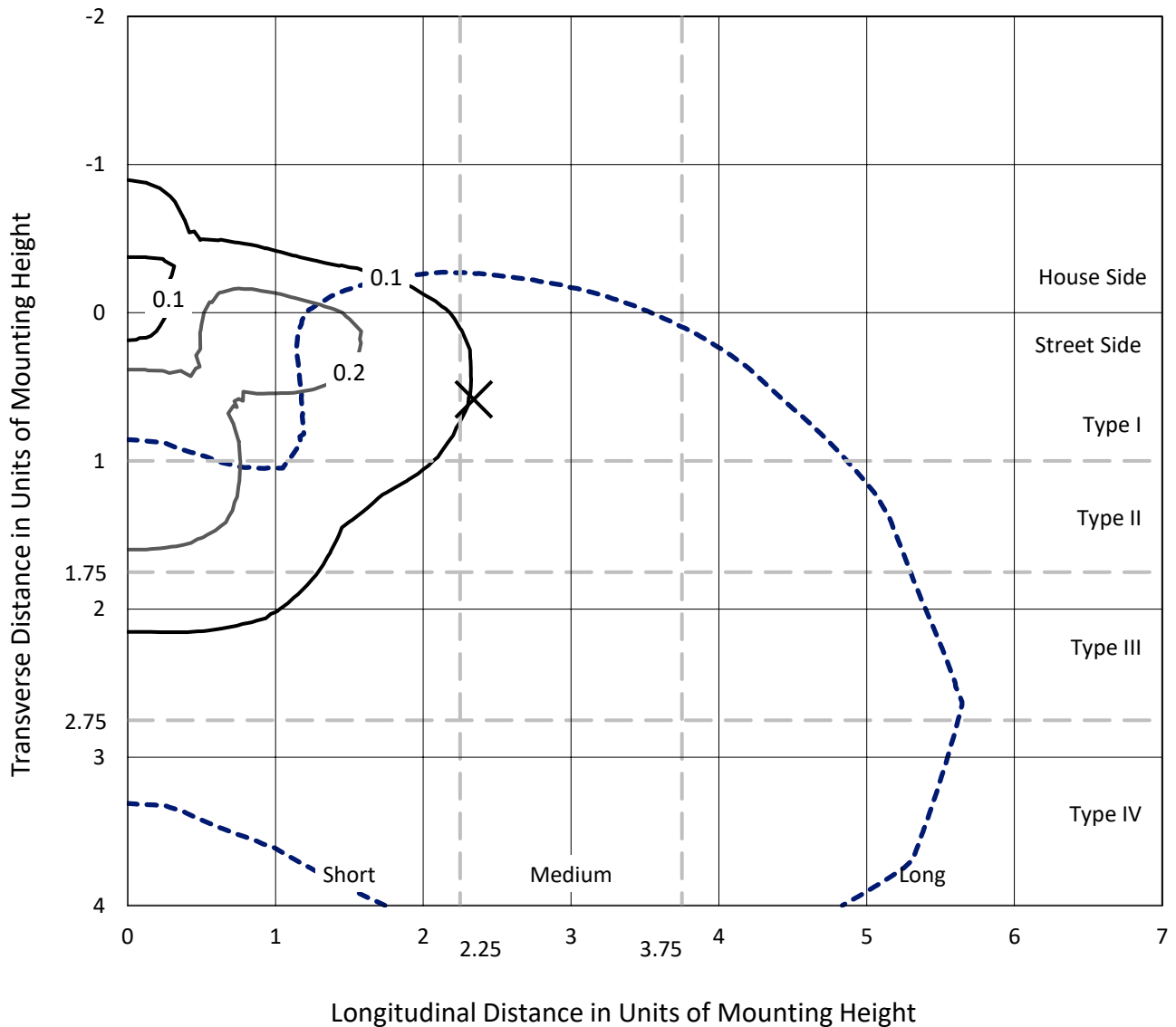
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

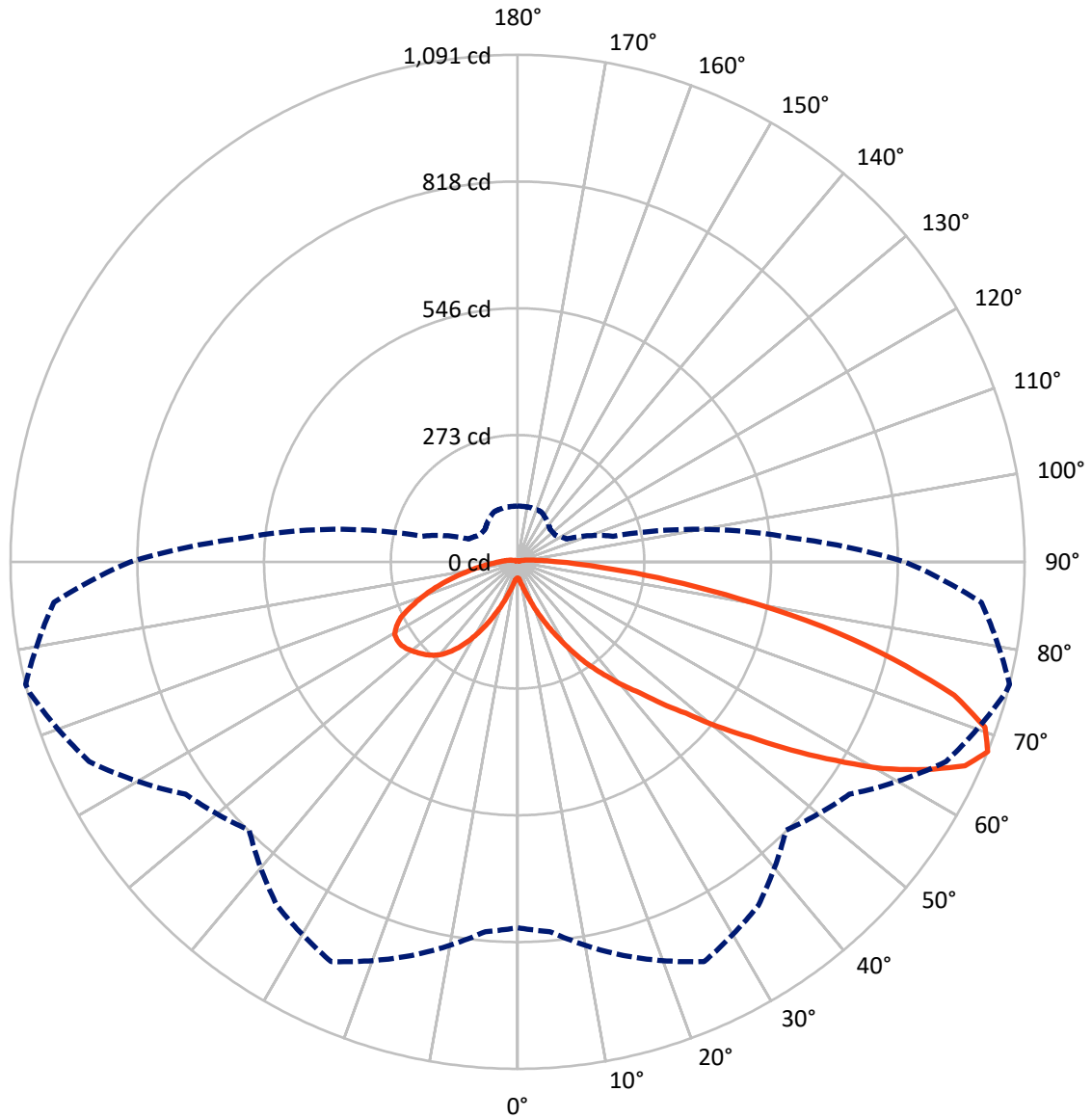
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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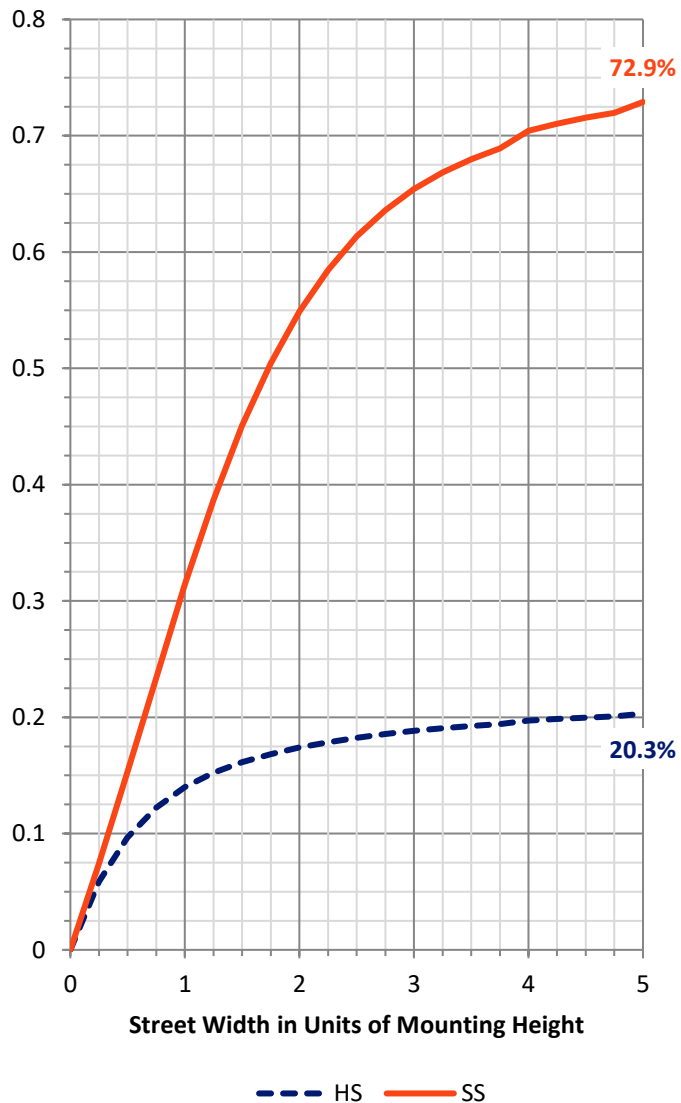
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.5	36.0	482.5
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	1566.1	36.4	1602.5
	% Fixture	75.1	1.7	76.9
Total	Lumens	2012.6	72.4	2085.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.2
10°-20°	20.6	1.0
20°-30°	65.1	3.1
30°-40°	145.0	7.0
40°-50°	248.9	11.9
50°-60°	388.3	18.6
60°-70°	531.7	25.5
70°-80°	445.6	21.4
80°-90°	163.5	7.8
90°-100°	41.2	2.0
100°-110°	15.7	0.8
110°-120°	7.5	0.4
120°-130°	4.2	0.2
130°-140°	2.5	0.1
140°-150°	1.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2012.6	96.5
0°-180°	2085.0	100.0

Coefficient of Utilization

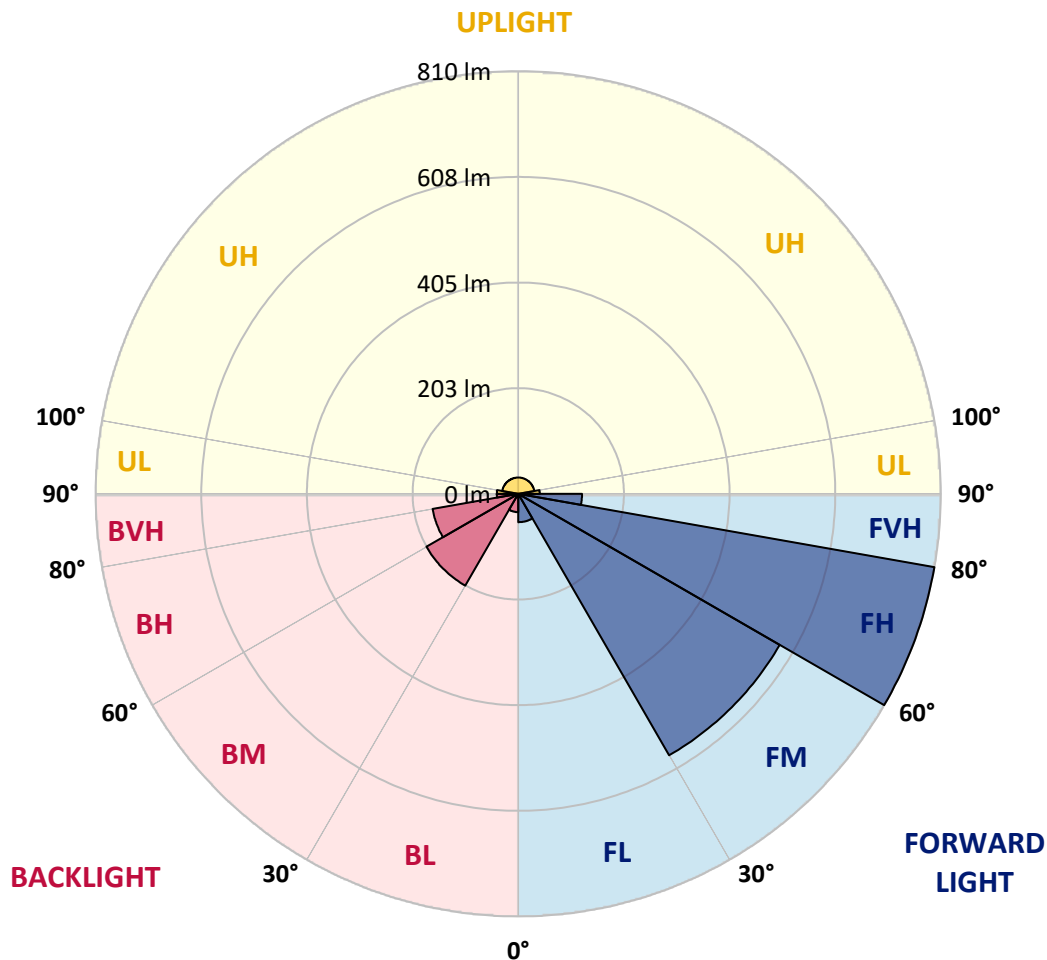


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	54.4	2.6			
FM (30°-60°)	579.0	27.8			
FH (60°-80°)	810.5	38.9			G1/1800
FVH (80°-90°)	122.2	5.9			G2/225
BL (0°-30°)	35.2	1.7	B0/110		
BM (30°-60°)	203.3	9.8	B0/220		
BH (60°-80°)	166.8	8.0	B1/500		G1/500
BVH (80°-90°)	41.3	2.0			G1/100
UL (90°-100°)	41.2	2.0		U2/50	
UH (100°-180°)	31.2	1.5		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	36.9	36.9	36.9	36.9	37.7	36.9	36.9	36.2	36.2	35.4	35.4
5°	42.2	42.2	42.2	42.2	42.2	41.5	40.7	39.9	39.2	38.4	38.4
7.5°	49.7	49.7	49.7	49.0	48.2	47.5	46.7	45.2	43.7	43.7	42.2
10°	60.3	60.3	60.3	59.5	57.3	55.8	54.3	52.0	51.3	50.5	49.0
12.5°	74.6	74.6	73.1	71.6	68.6	66.3	64.1	61.8	61.0	60.3	58.0
15°	92.7	91.9	90.4	85.9	82.9	79.1	76.9	74.6	72.4	72.4	71.6
17.5°	114.6	113.8	110.0	104.0	99.5	93.5	90.4	88.9	88.9	88.2	86.7
20°	140.9	140.9	135.7	126.6	117.6	110.0	107.8	107.0	107.0	107.8	105.5
22.5°	174.9	174.1	166.6	151.5	138.7	128.9	126.6	126.6	128.9	128.9	128.1
25°	212.5	211.8	198.2	181.6	161.3	150.7	145.5	149.2	154.5	155.3	156.0
27.5°	258.5	255.5	239.7	214.0	187.7	171.1	167.3	173.3	183.9	183.1	184.7
30°	306.0	304.5	282.6	251.0	215.6	192.9	189.9	201.2	213.3	214.0	217.8
32.5°	361.8	353.5	333.1	290.9	244.2	216.3	211.8	228.4	246.5	248.0	251.7
35°	417.5	416.8	383.6	333.9	274.3	238.2	234.4	254.0	279.6	280.4	285.6
37.5°	474.1	471.1	439.4	376.1	307.5	263.0	257.0	282.6	311.3	312.8	320.3
40°	533.6	529.8	495.9	421.3	342.2	290.2	283.4	313.5	346.7	349.7	358.8
42.5°	585.6	584.9	552.4	471.1	376.1	316.5	312.0	344.4	383.6	385.1	398.7
45°	642.9	633.1	602.9	520.8	418.3	349.0	344.4	384.4	428.8	434.9	446.2
47.5°	688.1	683.6	655.7	575.1	461.3	384.4	379.9	427.3	481.6	486.9	496.7
50°	734.1	728.8	703.9	626.3	508.0	425.8	425.1	481.6	547.9	556.2	566.8
52.5°	771.8	768.8	753.7	681.3	557.7	467.3	475.6	545.7	621.0	627.1	637.6
55°	807.2	804.9	801.9	742.4	617.3	522.3	529.1	617.3	703.9	715.2	731.8
57.5°	833.6	837.3	843.4	801.9	679.8	577.3	591.6	704.7	795.9	806.4	823.0
60°	851.7	857.7	879.5	861.5	745.4	638.4	668.5	785.3	891.6	903.7	912.0
62.5°	853.9	863.7	908.2	912.0	807.2	702.4	736.3	871.3	982.8	985.1	975.3
65°	836.6	844.1	906.7	942.9	862.2	765.0	811.0	959.4	1052.9	1058.2	1012.9
67.5°	787.6	798.9	877.3	949.6	902.9	817.0	872.0	1017.5	1087.6	1091.3	1001.6
70°	696.4	716.8	810.2	910.4	911.2	845.6	912.0	1042.3	1071.7	1067.2	933.8
72.5°	586.4	591.6	694.9	829.0	879.5	844.9	907.4	1012.2	991.1	982.8	807.2
75°	428.8	443.2	539.6	703.2	804.2	795.1	853.9	922.5	850.2	835.1	658.0
77.5°	290.2	305.2	381.4	539.6	676.8	706.2	755.9	776.3	684.3	671.5	482.4
80°	182.4	192.9	246.5	376.8	530.6	576.6	614.3	601.4	496.7	484.6	342.9
82.5°	101.7	107.0	150.7	245.7	373.8	438.6	468.0	436.4	342.2	328.6	222.3
85°	53.5	60.3	85.2	149.2	249.5	312.0	335.4	288.7	210.3	205.8	138.7
87.5°	29.4	32.4	49.0	89.7	154.5	211.8	222.3	181.6	130.4	124.4	88.2
90°	18.1	19.6	28.6	53.5	95.7	132.6	139.4	113.8	81.4	79.9	58.8
92.5°	12.1	12.8	19.6	34.7	60.3	85.2	89.7	70.8	53.5	52.0	42.2
95°	9.0	9.8	15.1	24.9	41.5	58.0	57.3	48.2	36.2	35.4	30.9
97.5°	7.5	8.3	12.8	19.6	30.1	39.2	39.2	31.7	26.4	26.4	24.1
100°	6.8	6.8	10.6	15.8	22.6	28.6	28.6	23.4	19.6	19.6	18.1
102.5°	6.0	6.0	9.0	13.6	18.1	22.6	21.9	18.1	15.1	15.1	14.3
105°	5.3	5.3	8.3	11.3	15.1	18.1	17.3	14.3	12.1	11.3	10.6
107.5°	4.5	4.5	6.8	9.8	13.6	15.1	14.3	12.1	9.0	9.0	8.3
110°	4.5	4.5	6.0	9.0	11.3	12.8	12.1	9.8	7.5	7.5	6.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	3.8	3.8	5.3	7.5	9.8	11.3	10.6	8.3	6.0	6.0	6.0
115°	3.8	3.8	4.5	6.8	8.3	9.8	9.0	6.8	5.3	5.3	5.3
117.5°	3.8	3.8	4.5	6.0	7.5	8.3	7.5	6.0	4.5	4.5	4.5
120°	3.0	3.0	3.8	5.3	6.8	7.5	6.8	5.3	3.8	3.8	4.5
122.5°	3.0	3.0	3.8	4.5	6.0	6.8	6.0	4.5	3.8	3.8	3.8
125°	3.0	3.0	3.8	4.5	5.3	6.0	5.3	3.8	3.8	3.8	3.8
127.5°	3.0	3.0	3.0	3.8	4.5	5.3	4.5	3.8	3.0	3.0	3.8
130°	3.0	3.0	3.0	3.8	4.5	4.5	3.8	3.0	3.0	3.0	3.8
132.5°	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.0	3.0	3.0	3.0
135°	3.0	3.0	3.0	3.0	3.8	3.8	3.0	3.0	3.0	3.0	3.0
137.5°	3.0	2.3	2.3	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0
140°	2.3	2.3	2.3	2.3	3.0	3.0	2.3	2.3	2.3	2.3	2.3
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	1.5	2.3	2.3	1.5	1.5	1.5	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
2.5°	35.4	34.7	34.7	34.7	34.7	33.9	33.9	33.9	33.9	33.2	33.9
5°	37.7	37.7	36.9	35.4	35.4	34.7	34.7	33.9	33.9	33.2	33.2
7.5°	42.2	41.5	39.9	39.2	37.7	36.9	36.2	35.4	35.4	34.7	34.7
10°	48.2	47.5	45.2	43.7	42.2	40.7	39.9	39.2	38.4	37.7	37.7
12.5°	57.3	55.8	53.5	49.7	48.2	46.0	44.5	43.7	43.7	43.7	43.0
15°	70.1	67.8	64.1	59.5	55.0	52.0	51.3	51.3	51.3	52.0	52.0
17.5°	85.2	82.2	77.6	70.1	64.1	60.3	59.5	59.5	60.3	61.8	61.8
20°	104.0	100.2	93.5	83.7	74.6	69.3	67.8	69.3	72.4	73.1	73.1
22.5°	125.9	122.9	111.5	97.2	85.9	79.1	77.6	79.1	82.9	85.9	86.7
25°	152.2	147.7	131.9	113.1	97.2	88.9	86.7	90.4	95.7	100.2	100.2
27.5°	181.6	176.4	154.5	129.6	108.5	97.2	95.0	100.2	109.3	114.6	115.3
30°	213.3	205.0	176.4	145.5	118.3	104.8	103.3	110.8	121.3	128.1	128.9
32.5°	248.0	234.4	199.0	159.8	127.4	110.0	109.3	119.1	131.9	140.2	140.9
35°	280.4	265.3	219.3	170.3	133.4	113.8	113.8	125.1	140.2	148.5	149.2
37.5°	312.0	292.4	236.7	178.6	136.4	115.3	116.1	129.6	144.7	153.0	153.8
40°	346.7	321.8	251.7	182.4	137.2	116.1	117.6	131.9	145.5	153.8	153.8
42.5°	382.9	352.7	261.5	182.4	135.7	115.3	116.8	131.1	144.0	150.0	150.7
45°	425.1	385.9	268.3	179.4	132.6	113.1	115.3	129.6	139.4	142.4	143.2
47.5°	473.3	420.6	273.6	174.9	128.9	110.8	113.8	125.9	134.2	134.2	134.2
50°	534.4	459.7	278.1	167.3	124.4	108.5	111.5	122.9	127.4	125.9	125.9
52.5°	600.7	502.7	281.1	159.8	119.8	105.5	109.3	119.8	122.1	118.3	118.3
55°	674.5	553.2	281.1	152.2	115.3	103.3	107.8	116.8	117.6	113.8	112.3
57.5°	745.4	593.1	277.4	144.0	110.8	101.0	106.3	115.3	115.3	111.5	110.8
60°	808.7	630.1	271.3	136.4	107.8	99.5	106.3	114.6	114.6	111.5	111.5
62.5°	853.9	642.1	256.3	129.6	104.8	99.5	107.0	115.3	116.1	114.6	113.8
65°	865.2	636.1	238.9	122.1	101.7	98.7	108.5	117.6	118.3	117.6	117.6
67.5°	833.6	591.6	212.5	116.1	99.5	98.7	109.3	119.1	119.8	119.8	119.8
70°	751.4	525.3	188.4	109.3	97.2	98.0	110.8	120.6	120.6	120.6	120.6
72.5°	635.4	440.9	163.5	103.3	93.5	96.5	110.8	119.8	119.8	119.1	119.1
75°	502.0	349.0	140.2	97.2	88.9	93.5	109.3	117.6	116.8	116.1	115.3
77.5°	371.6	259.3	117.6	88.9	83.7	89.7	104.8	112.3	111.5	110.8	109.3
80°	256.3	180.9	98.0	80.6	76.9	83.7	98.0	104.8	104.0	102.5	102.5
82.5°	166.6	124.4	79.1	70.8	69.3	76.9	90.4	95.7	94.2	92.7	91.9
85°	107.8	84.4	63.3	60.3	61.8	68.6	79.1	83.7	82.9	81.4	79.9
87.5°	70.8	60.3	49.7	49.7	52.8	60.3	67.8	70.1	69.3	69.3	67.8
90°	49.7	45.2	40.7	41.5	45.2	52.0	55.8	56.5	55.8	56.5	55.0
92.5°	36.9	34.7	33.2	34.7	38.4	43.7	46.0	44.5	45.2	45.2	44.5
95°	28.6	27.9	27.9	29.4	33.2	36.9	37.7	35.4	36.9	36.9	36.2
97.5°	22.6	22.6	23.4	24.9	27.9	30.9	30.9	29.4	30.1	30.1	30.1
100°	18.1	18.1	19.6	21.1	24.1	26.4	25.6	24.1	24.9	24.1	23.4
102.5°	14.3	15.1	16.6	18.1	20.3	21.9	21.9	20.3	20.3	19.6	19.6
105°	11.3	12.1	13.6	15.8	17.3	18.8	18.8	17.3	15.8	15.1	15.1
107.5°	9.0	9.8	11.3	12.8	15.1	15.8	15.8	14.3	12.8	11.3	11.3
110°	7.5	8.3	9.8	11.3	12.8	13.6	13.6	12.1	10.6	9.0	9.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.8	6.8	8.3	9.8	10.6	11.3	11.3	10.6	8.3	7.5	7.5
115°	5.3	6.0	6.8	8.3	9.0	9.8	9.8	8.3	6.8	6.0	6.0
117.5°	5.3	5.3	6.0	7.5	8.3	9.0	8.3	7.5	6.0	5.3	5.3
120°	4.5	5.3	6.0	6.0	7.5	7.5	7.5	6.0	5.3	5.3	5.3
122.5°	4.5	4.5	5.3	6.0	6.0	6.8	6.8	5.3	4.5	4.5	4.5
125°	3.8	4.5	4.5	5.3	6.0	6.0	6.0	4.5	4.5	4.5	4.5
127.5°	3.8	3.8	4.5	4.5	5.3	5.3	5.3	4.5	3.8	3.8	3.8
130°	3.8	3.8	3.8	3.8	4.5	4.5	4.5	3.8	3.8	3.8	3.8
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.0	3.8	3.8
135°	3.0	3.0	3.0	3.0	3.8	3.8	3.0	3.0	3.0	3.0	3.0
137.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
140°	3.0	3.0	3.0	2.3	3.0	3.0	2.3	2.3	2.3	3.0	3.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	2.3	2.3	2.3	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	1.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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)