

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: P694684

Luminaire Tested: **LXF.LXT-PA16-20-827-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
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-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2033 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

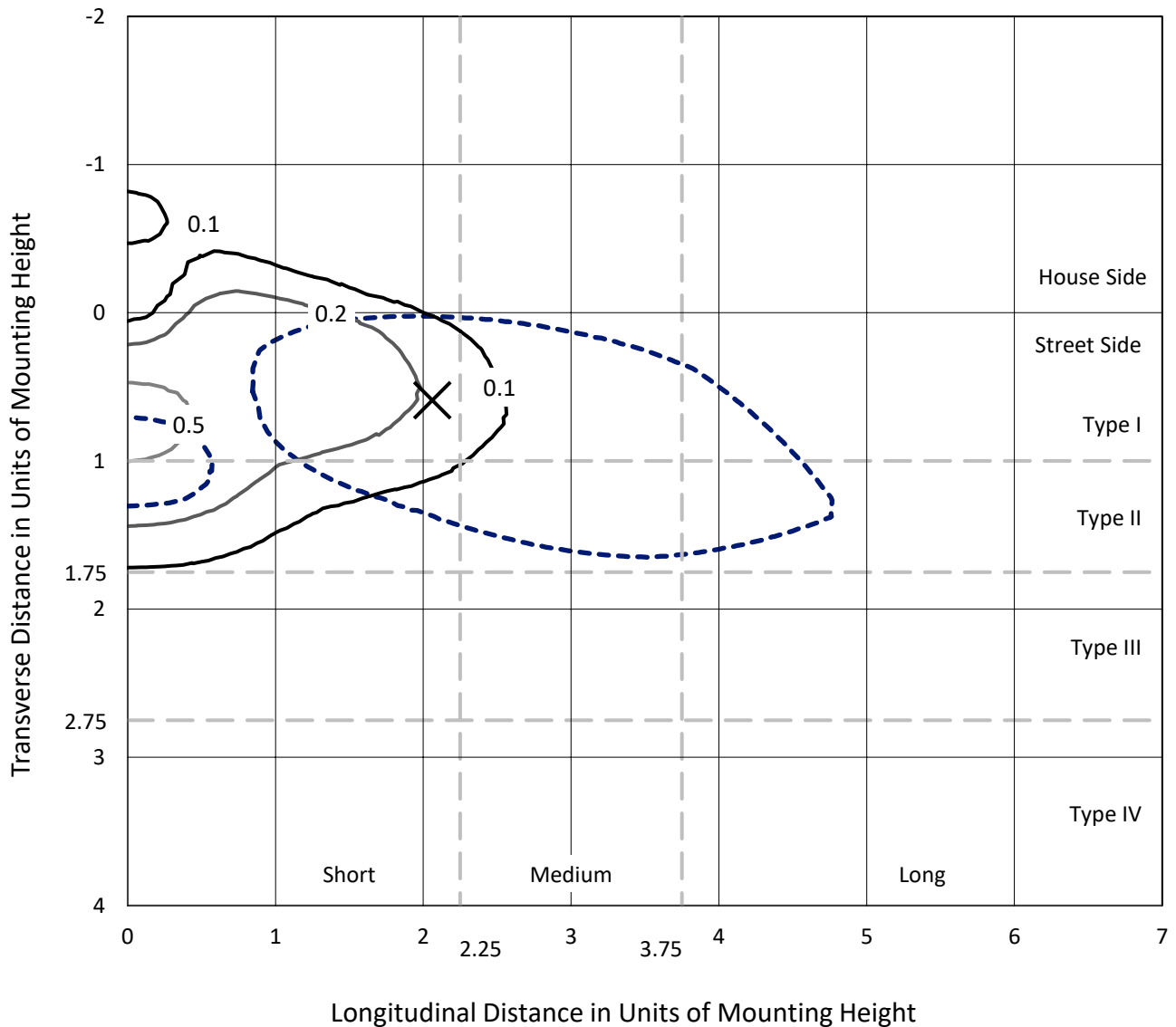
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

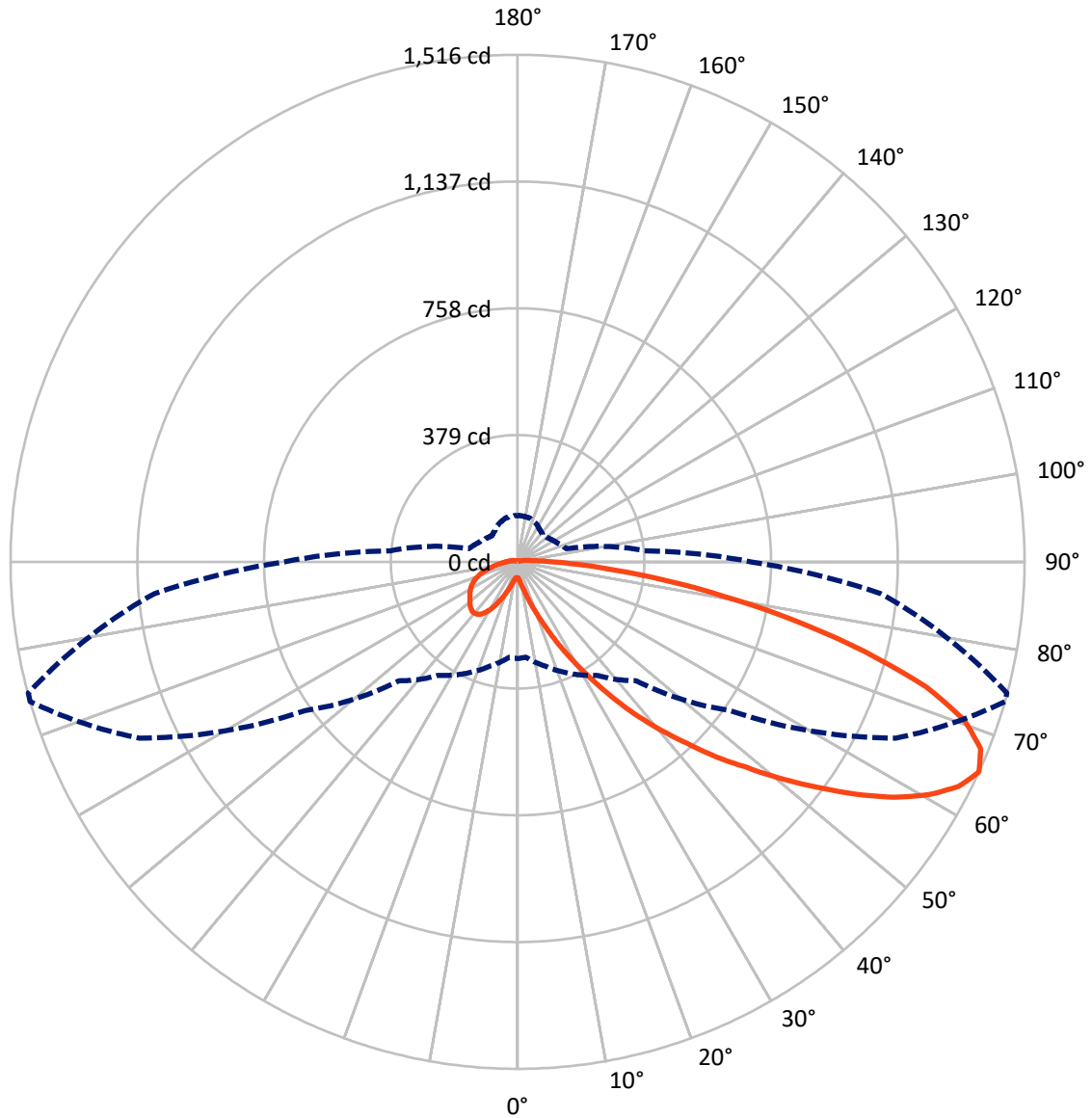
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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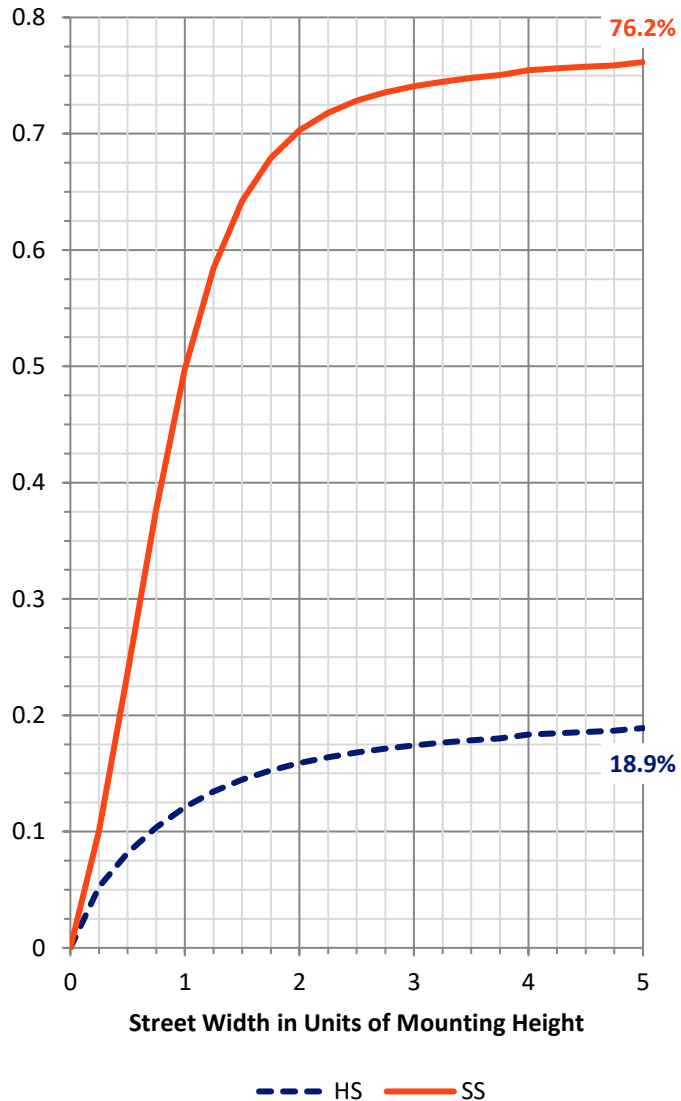
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	403.4	32.9	436.3
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	1567.3	29.5	1596.7
	% Fixture	77.1	1.4	78.5
Total	Lumens	1970.7	62.4	2033.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.3
10°-20°	29.3	1.4
20°-30°	97.4	4.8
30°-40°	223.3	11.0
40°-50°	357.4	17.6
50°-60°	443.6	21.8
60°-70°	430.5	21.2
70°-80°	280.8	13.8
80°-90°	102.7	5.1
90°-100°	30.6	1.5
100°-110°	14.2	0.7
110°-120°	7.9	0.4
120°-130°	4.9	0.2
130°-140°	3.1	0.2
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1970.7	96.9
0°-180°	2033.0	100.0

Coefficient of Utilization

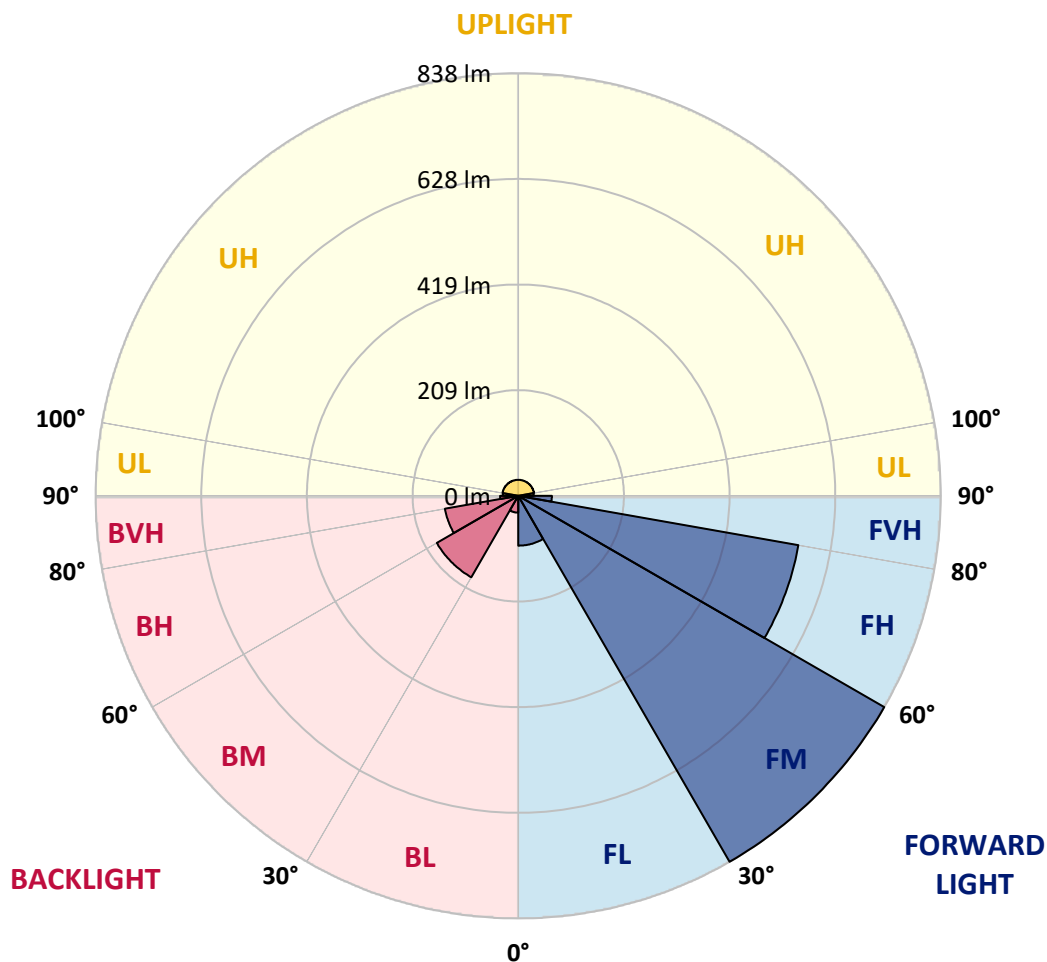


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.8	4.9			
FM (30°-60°)	837.9	41.2			
FH (60°-80°)	563.9	27.7			G0/660
FVH (80°-90°)	66.7	3.3			G1/100
BL (0°-30°)	33.4	1.6	B0/110		
BM (30°-60°)	186.5	9.2	B0/220		
BH (60°-80°)	147.5	7.3	B1/500		G1/500
BVH (80°-90°)	36.0	1.8			G1/100
UL (90°-100°)	30.6	1.5		U2/50	
UH (100°-180°)	31.7	1.6		U2/50	

BUG Rating: B1-U2-G1
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	55.0	55.8	55.8	55.0	54.3	54.3	52.8	51.2	50.5	50.5	49.7
5°	67.1	67.8	67.8	66.3	64.1	63.3	60.3	58.0	55.8	55.8	52.8
7.5°	84.4	85.2	83.7	82.2	79.1	76.1	72.4	67.8	63.3	62.6	58.8
10°	104.8	107.0	105.5	101.7	97.2	93.5	87.4	79.9	75.4	73.9	67.1
12.5°	136.4	134.9	131.1	127.4	122.1	114.6	106.3	97.2	88.2	88.9	79.9
15°	168.8	171.8	166.6	159.8	149.2	140.9	129.6	119.8	110.0	108.5	96.5
17.5°	216.3	215.6	209.5	196.0	180.1	171.8	159.8	147.7	136.4	132.6	116.8
20°	272.1	271.3	259.3	241.9	226.9	210.3	193.7	180.9	167.3	164.3	144.0
22.5°	338.4	335.4	322.6	297.7	272.1	251.7	234.4	224.6	206.5	203.5	175.6
25°	415.3	408.5	394.2	361.0	321.8	298.5	282.6	271.3	254.0	250.2	214.0
27.5°	500.4	495.9	469.5	425.8	379.1	342.9	331.6	324.1	309.8	305.2	257.0
30°	580.3	581.8	553.2	498.2	438.6	394.9	386.6	387.4	368.5	364.8	307.5
32.5°	675.3	669.3	632.3	569.0	494.4	449.2	441.7	452.2	436.4	433.4	362.5
35°	750.7	755.2	716.0	637.6	550.9	498.9	501.9	519.3	510.2	505.7	411.5
37.5°	823.0	819.2	773.3	695.6	599.9	545.7	557.0	595.4	586.4	581.1	469.5
40°	871.2	866.7	826.8	743.1	644.4	588.6	610.5	667.8	664.0	661.7	519.3
42.5°	893.9	887.8	855.4	776.3	676.8	622.5	665.5	741.6	740.9	738.6	576.6
45°	888.6	884.8	859.9	795.9	697.9	654.2	714.5	818.5	832.1	821.5	629.3
47.5°	865.2	861.5	844.1	795.9	709.2	673.8	758.2	899.1	916.5	906.7	688.1
50°	818.5	817.0	812.5	777.0	707.7	689.6	800.4	972.2	1019.0	1009.2	755.2
52.5°	752.9	752.2	759.7	743.1	693.4	691.9	833.6	1056.7	1119.2	1108.7	820.8
55°	676.0	676.0	688.9	690.4	665.5	683.6	859.2	1124.5	1227.0	1211.9	892.4
57.5°	578.1	581.1	609.7	628.6	619.5	659.5	868.2	1189.3	1328.7	1318.9	966.2
60°	480.8	482.4	515.5	547.2	563.0	625.6	859.9	1233.8	1413.9	1410.1	1025.8
62.5°	379.1	380.6	415.3	461.2	492.2	569.8	829.0	1254.1	1480.2	1478.0	1069.5
65°	289.4	286.4	323.3	368.5	414.5	503.5	775.5	1248.1	1516.4	1514.9	1090.6
67.5°	208.0	214.0	241.9	285.6	332.4	432.6	701.7	1189.3	1493.8	1495.3	1068.0
70°	150.7	160.5	180.1	213.3	261.5	355.7	612.7	1091.3	1416.9	1426.0	1003.9
72.5°	116.1	116.8	132.6	159.0	197.5	281.9	507.2	957.9	1277.5	1280.5	893.1
75°	90.4	92.7	103.3	122.1	151.5	218.6	411.5	792.9	1071.0	1088.3	757.4
77.5°	73.9	74.6	82.9	94.2	116.1	165.1	307.5	625.6	851.7	853.2	590.9
80°	58.0	61.0	67.8	75.4	90.4	123.6	226.1	458.2	626.3	616.5	418.3
82.5°	44.5	46.7	52.0	60.3	68.6	92.7	162.0	323.3	430.3	422.8	286.4
85°	33.2	34.7	39.9	46.7	54.3	70.8	113.1	208.8	266.8	258.5	174.1
87.5°	23.4	24.1	28.6	34.7	41.5	53.5	78.4	128.1	160.5	157.5	107.8
90°	15.8	16.6	20.3	25.6	32.4	41.5	56.5	79.9	93.5	93.5	68.6
92.5°	11.3	12.1	15.1	19.6	25.6	33.2	41.5	52.0	57.3	56.5	46.7
95°	9.0	9.0	12.1	15.8	21.1	27.1	31.7	35.4	38.4	38.4	35.4
97.5°	7.5	7.5	10.6	13.6	18.1	22.6	25.6	26.4	27.9	27.9	26.4
100°	6.8	6.8	9.0	12.1	15.1	18.8	21.1	20.3	21.1	21.9	20.3
102.5°	6.0	6.0	8.3	10.6	13.6	16.6	17.3	16.6	16.6	16.6	15.8
105°	5.3	5.3	7.5	9.8	12.1	14.3	15.1	13.6	12.8	12.8	12.8
107.5°	4.5	4.5	6.8	8.3	10.6	12.8	12.8	12.1	10.6	10.6	9.8
110°	4.5	4.5	6.0	7.5	9.8	11.3	11.3	9.8	8.3	8.3	8.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	3.8	3.8	5.3	7.5	9.0	9.8	9.8	8.3	7.5	6.8	6.8
115°	3.8	3.8	5.3	6.8	8.3	9.0	9.0	7.5	6.0	6.0	6.0
117.5°	3.8	3.8	4.5	6.0	7.5	8.3	7.5	6.8	5.3	5.3	5.3
120°	3.8	3.8	4.5	5.3	6.8	7.5	7.5	6.0	4.5	4.5	5.3
122.5°	3.8	3.8	4.5	5.3	6.0	6.8	6.8	5.3	4.5	4.5	4.5
125°	3.8	3.8	4.5	5.3	6.0	6.8	6.0	5.3	3.8	3.8	4.5
127.5°	3.8	3.8	4.5	4.5	5.3	6.0	5.3	4.5	3.8	3.8	4.5
130°	3.8	3.8	4.5	4.5	5.3	5.3	5.3	3.8	3.8	3.8	3.8
132.5°	4.5	4.5	4.5	4.5	4.5	5.3	4.5	3.8	3.0	3.0	3.8
135°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.8	3.0	3.0	3.8
137.5°	3.8	4.5	3.8	3.8	3.8	4.5	3.8	3.0	3.0	3.0	3.0
140°	3.8	3.8	3.8	3.8	3.8	3.8	3.0	2.3	3.0	3.0	3.0
142.5°	3.8	3.8	3.8	3.0	3.0	3.0	3.0	2.3	2.3	2.3	3.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	2.3	2.3	2.3	2.3	2.3
147.5°	3.0	3.0	3.0	2.3	2.3	2.3	1.5	1.5	1.5	1.5	2.3
150°	2.3	2.3	2.3	2.3	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°	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
2.5°	49.0	48.2	47.5	46.7	45.2	44.5	44.5	43.7	43.7	43.7	43.7
5°	51.2	50.5	48.2	46.0	43.7	42.2	40.7	40.7	39.9	39.2	39.2
7.5°	56.5	54.3	50.5	46.7	44.5	41.5	39.9	38.4	37.7	37.7	37.7
10°	64.1	61.0	55.0	49.7	46.0	42.2	39.9	38.4	37.7	36.9	36.9
12.5°	74.6	70.8	61.8	55.0	48.2	44.5	41.5	39.9	39.2	39.2	39.2
15°	89.7	83.7	72.4	61.0	53.5	46.7	45.2	45.2	46.0	46.0	46.0
17.5°	109.3	100.2	82.9	68.6	58.8	52.8	50.5	51.2	52.8	52.8	52.8
20°	130.4	119.8	96.5	78.4	65.6	60.3	57.3	58.8	61.0	62.6	62.6
22.5°	159.8	144.7	113.1	88.9	73.9	67.1	65.6	67.1	70.8	72.4	72.4
25°	193.7	171.1	130.4	100.2	82.9	75.4	73.9	76.1	80.6	84.4	84.4
27.5°	229.1	200.5	149.2	111.5	91.2	82.2	81.4	85.2	91.2	95.0	95.7
30°	269.8	230.6	166.6	122.8	99.5	88.9	88.9	95.0	101.7	107.0	107.8
32.5°	309.8	262.3	181.6	132.6	107.0	95.0	95.7	103.3	112.3	116.8	118.3
35°	350.5	289.4	195.2	140.9	112.3	100.2	101.7	111.5	120.6	125.9	125.9
37.5°	389.7	314.3	202.0	145.5	116.8	104.0	107.0	118.3	127.4	131.9	132.6
40°	427.3	333.1	206.5	148.5	119.8	107.8	110.8	122.8	132.6	137.2	137.2
42.5°	460.5	349.0	207.3	149.2	122.1	110.0	114.6	126.6	135.7	138.7	139.4
45°	494.4	362.5	203.5	147.7	123.6	112.3	116.1	128.9	137.2	139.4	140.2
47.5°	525.3	373.8	199.0	146.2	124.4	113.1	117.6	130.4	137.9	138.7	139.4
50°	561.5	382.9	192.2	144.0	125.1	113.8	118.3	130.4	137.9	137.9	137.9
52.5°	596.2	390.4	185.4	141.7	125.1	113.8	118.3	131.1	137.9	137.2	137.2
55°	633.8	397.2	178.6	140.2	124.4	113.8	118.3	131.1	137.2	136.4	137.2
57.5°	663.2	400.2	173.3	138.7	124.4	113.1	117.6	130.4	136.4	136.4	136.4
60°	688.9	399.4	166.6	137.2	123.6	112.3	117.6	129.6	136.4	136.4	136.4
62.5°	703.9	392.7	159.8	135.7	122.1	110.8	116.8	129.6	136.4	137.2	137.2
65°	697.9	380.6	150.7	131.9	119.1	109.3	116.1	128.1	135.7	137.9	138.7
67.5°	672.3	353.5	140.9	126.6	116.1	107.8	115.3	126.6	134.2	137.9	137.9
70°	618.8	319.6	128.1	119.1	110.8	105.5	113.1	124.4	131.1	135.7	135.7
72.5°	544.2	275.8	116.1	109.3	104.8	101.7	110.8	120.6	126.6	130.4	130.4
75°	452.2	229.1	101.7	98.0	97.2	96.5	106.3	115.3	119.1	122.1	122.1
77.5°	353.5	184.7	86.7	86.7	86.7	89.7	100.2	106.3	109.3	112.3	112.3
80°	258.5	140.9	73.1	73.9	76.1	82.2	91.2	95.7	97.2	100.2	98.7
82.5°	176.4	102.5	61.0	61.0	65.6	72.4	81.4	83.7	84.4	86.7	84.4
85°	116.1	73.9	50.5	50.5	55.0	61.8	68.6	70.1	70.1	71.6	69.3
87.5°	75.4	54.3	41.5	41.5	44.5	51.2	56.5	56.5	56.5	58.0	55.8
90°	53.5	41.5	34.7	33.9	36.2	41.5	45.2	44.5	44.5	45.2	43.7
92.5°	39.2	33.9	29.4	28.6	30.1	33.9	36.2	35.4	36.2	35.4	34.7
95°	30.9	27.9	25.6	24.9	25.6	27.9	29.4	28.6	28.6	27.9	27.1
97.5°	24.9	23.4	22.6	21.9	21.9	22.6	24.1	23.4	24.1	22.6	21.9
100°	20.3	19.6	19.6	19.6	18.8	19.6	20.3	20.3	20.3	18.8	18.8
102.5°	15.8	16.6	17.3	17.3	16.6	17.3	17.3	17.3	17.3	15.8	15.8
105°	12.8	13.6	15.1	15.1	15.1	15.1	15.1	15.1	15.1	13.6	13.6
107.5°	10.6	11.3	12.8	13.6	12.8	12.8	13.6	13.6	12.8	12.1	12.1
110°	9.0	9.8	10.6	11.3	11.3	11.3	12.1	12.1	11.3	10.6	9.8

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CANDELA DISTRIBUTION (continued):

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