

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: P694501

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
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-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2274 lumens
Efficiency: N/A
Efficacy: 104.3 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

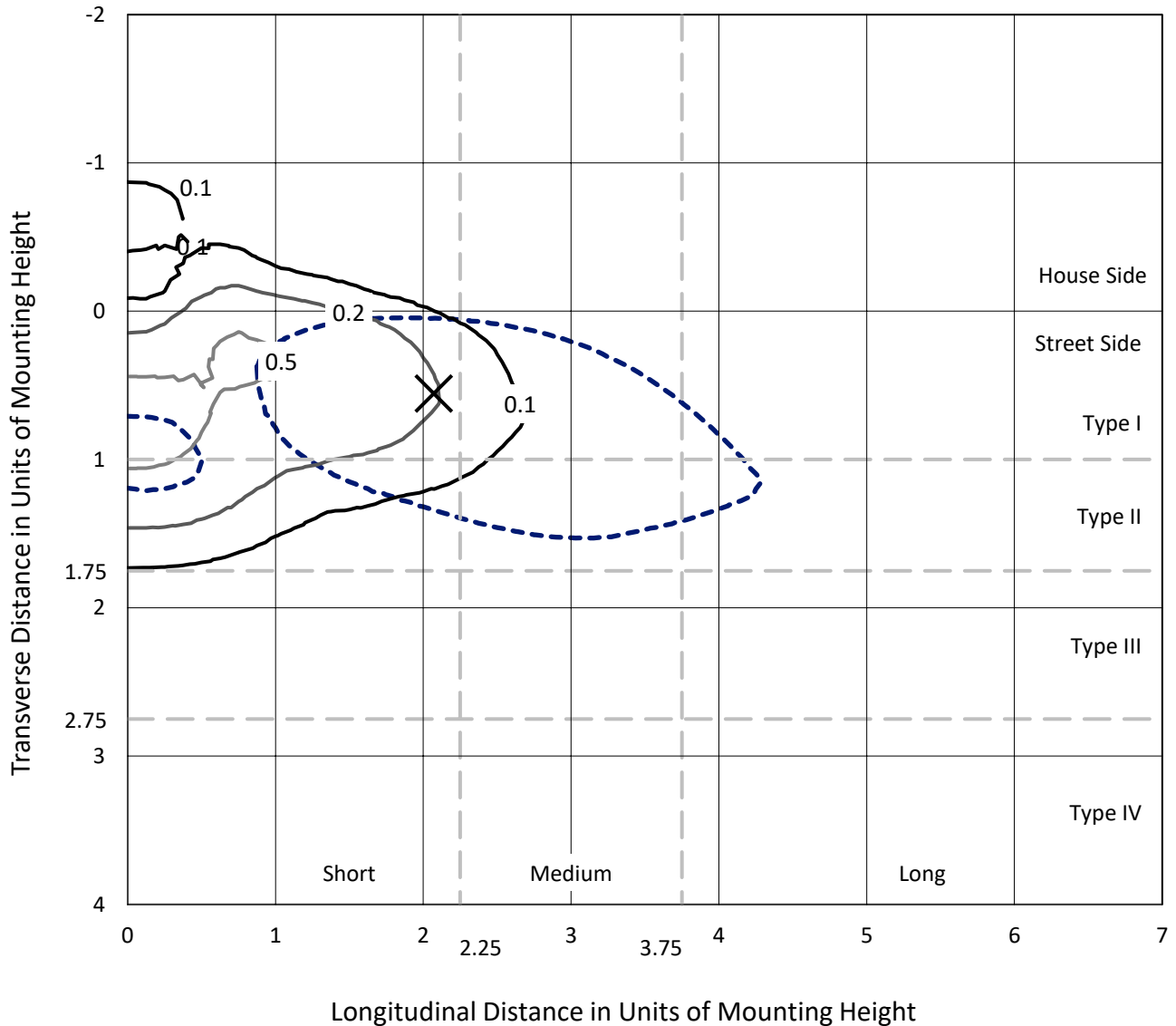
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

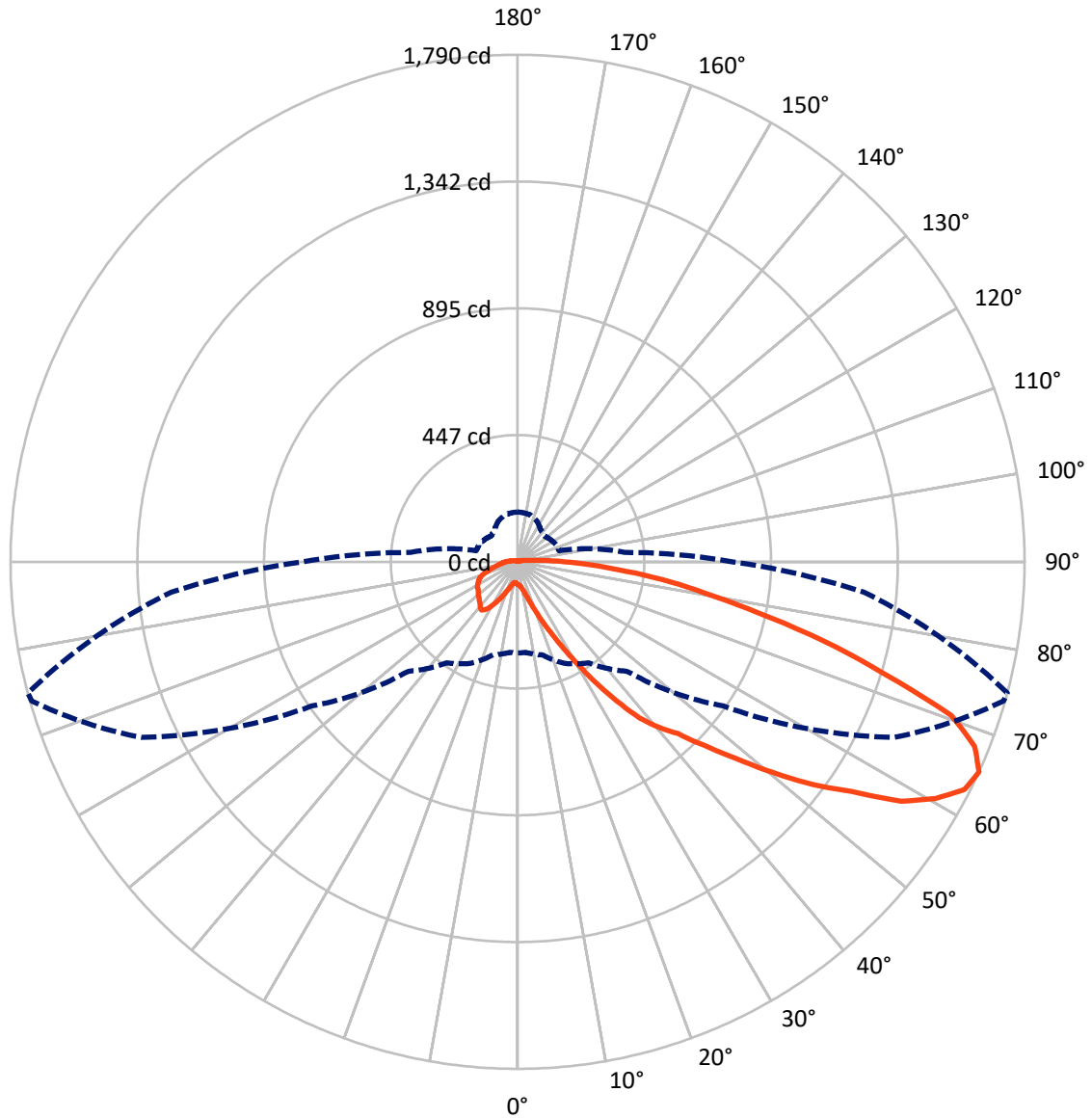
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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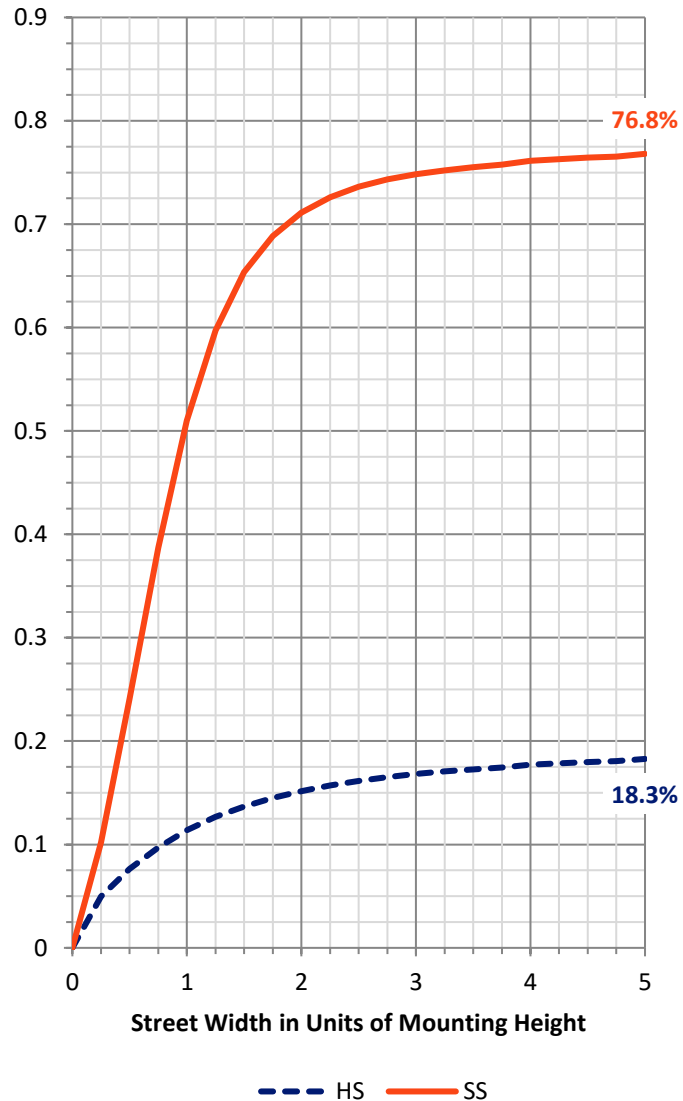
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	435.4	34.6	470.0
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	1769.3	34.7	1804.0
	% Fixture	77.8	1.5	79.3
Total	Lumens	2204.7	69.2	2274.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.4
10°-20°	34.7	1.5
20°-30°	108.4	4.8
30°-40°	257.6	11.3
40°-50°	398.9	17.5
50°-60°	497.7	21.9
60°-70°	487.0	21.4
70°-80°	296.2	13.0
80°-90°	116.3	5.1
90°-100°	36.3	1.6
100°-110°	14.5	0.6
110°-120°	8.0	0.4
120°-130°	5.3	0.2
130°-140°	3.5	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°	2204.7	97.0
0°-180°	2274.0	100.0

Coefficient of Utilization

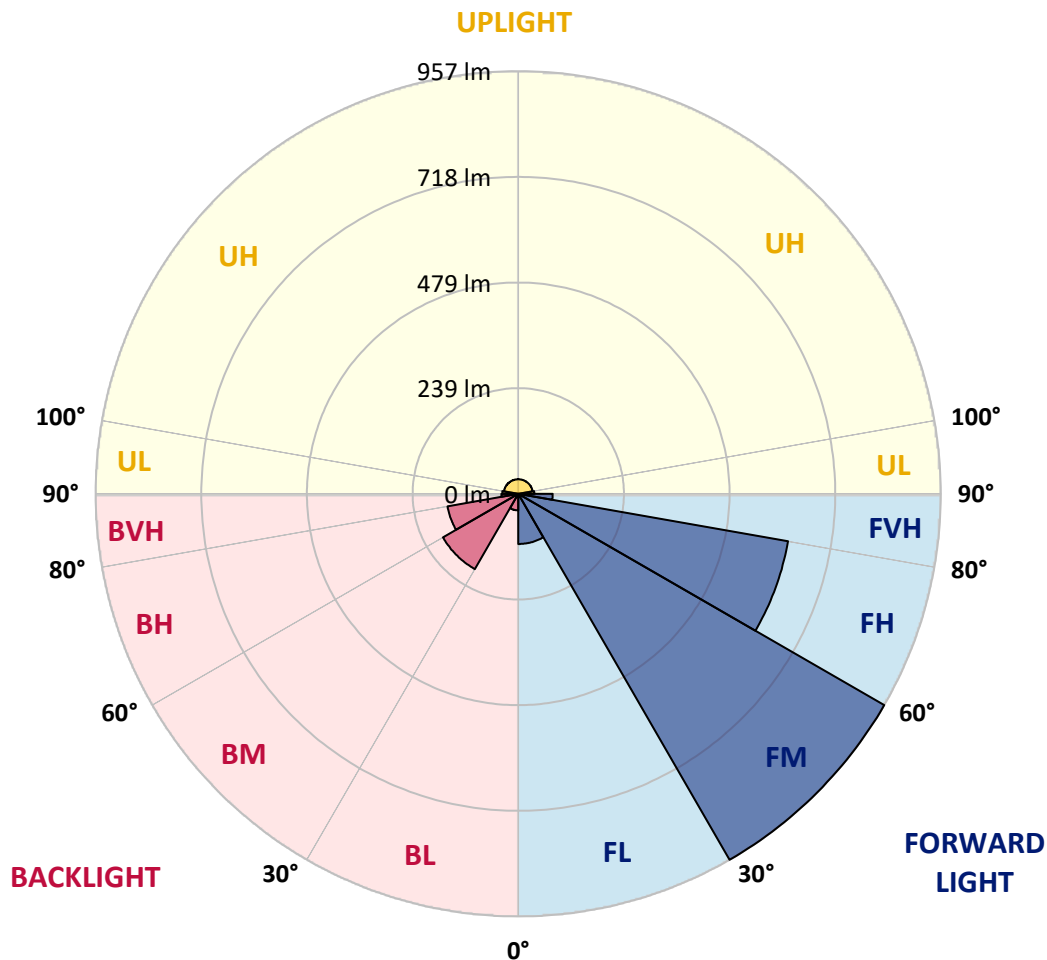


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.6	5.0			
FM (30°-60°)	957.2	42.1			
FH (60°-80°)	620.4	27.3			G0/660
FVH (80°-90°)	78.1	3.4			G1/100
BL (0°-30°)	37.5	1.6	B0/110		
BM (30°-60°)	197.0	8.7	B0/220		
BH (60°-80°)	162.7	7.2	B1/500		G1/500
BVH (80°-90°)	38.3	1.7			G1/100
UL (90°-100°)	36.3	1.6		U2/50	
UH (100°-180°)	33.0	1.4		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°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2.5°	88.3	89.1	88.3	87.4	86.6	85.7	84.1	83.2	81.5	81.5	79.9
5°	102.6	102.6	102.6	100.0	98.4	96.7	92.5	89.1	85.7	84.9	82.4
7.5°	120.2	118.5	117.7	115.2	111.8	108.4	102.6	96.7	91.6	90.8	85.7
10°	141.2	140.4	139.5	136.2	130.3	124.4	116.0	108.4	100.0	99.2	90.8
12.5°	169.8	169.0	165.6	161.4	153.0	143.7	133.7	124.4	113.5	112.6	100.9
15°	200.9	201.7	199.2	190.8	182.4	169.8	158.0	147.1	135.3	132.0	116.8
17.5°	248.0	247.1	241.3	227.0	216.9	203.4	188.3	174.0	159.7	157.2	137.9
20°	299.3	300.9	292.5	272.4	256.4	240.4	227.8	206.8	192.5	190.8	163.9
22.5°	364.8	369.0	351.4	331.2	304.3	285.8	273.2	253.0	232.9	232.9	198.4
25°	450.6	452.3	428.7	395.9	362.3	333.7	322.8	310.2	286.6	283.3	242.9
27.5°	538.8	543.9	516.1	473.3	422.8	388.4	381.6	374.9	346.3	345.5	289.2
30°	675.9	673.3	626.3	564.9	491.8	446.4	442.2	449.7	422.8	419.5	349.7
32.5°	800.3	796.1	745.6	664.9	564.9	511.1	504.4	529.6	511.1	510.3	418.6
35°	902.8	896.9	851.5	760.8	643.9	570.8	575.0	617.0	607.8	603.6	481.7
37.5°	950.7	960.8	922.2	833.9	712.0	632.1	651.5	713.7	705.3	699.4	550.6
40°	983.5	997.0	956.6	873.4	759.1	686.8	717.9	793.5	775.9	768.3	580.0
42.5°	995.3	1006.2	979.3	896.1	787.7	728.0	769.2	852.4	841.5	828.8	622.1
45°	987.7	1001.2	980.2	906.2	801.9	753.2	807.0	927.2	935.6	925.5	681.7
47.5°	958.3	973.4	965.9	906.2	806.1	765.8	852.4	1022.2	1041.5	1036.5	747.3
50°	879.3	896.1	909.5	888.5	801.9	770.0	902.8	1116.3	1173.5	1170.1	838.1
52.5°	815.4	828.8	833.9	833.0	786.0	775.9	950.7	1239.1	1311.4	1306.3	919.6
55°	729.7	738.1	762.4	756.6	733.0	767.5	986.9	1329.0	1435.8	1429.9	1012.9
57.5°	581.7	596.0	641.4	689.3	667.4	739.7	1002.9	1410.5	1602.2	1594.6	1120.5
60°	495.1	499.3	525.4	570.8	601.0	684.3	997.0	1494.6	1702.2	1695.5	1169.3
62.5°	403.5	406.0	438.8	477.5	520.3	622.9	962.5	1499.7	1767.0	1770.3	1217.2
65°	322.0	321.1	340.4	395.9	435.4	546.4	887.7	1466.0	1783.8	1789.7	1226.5
67.5°	245.5	253.0	278.2	306.8	360.6	458.1	780.9	1377.8	1738.4	1740.1	1188.6
70°	169.0	172.3	195.9	241.3	281.6	380.0	663.2	1241.6	1624.1	1624.1	1081.0
72.5°	121.9	126.1	137.9	167.3	217.7	297.6	548.1	1065.9	1368.5	1355.1	905.3
75°	90.8	91.6	102.6	120.2	153.8	232.0	426.2	838.1	1111.3	1115.5	743.9
77.5°	70.6	71.5	76.5	89.1	112.6	169.0	316.9	646.4	865.8	867.5	574.1
80°	58.8	59.7	62.2	68.9	84.1	121.0	232.9	486.7	669.1	670.0	447.2
82.5°	48.8	49.6	52.1	56.3	65.6	89.9	167.3	372.4	506.9	513.6	335.4
85°	41.2	42.0	43.7	47.1	53.8	69.8	121.0	267.3	357.3	354.7	232.0
87.5°	33.6	33.6	36.1	38.7	43.7	56.3	89.1	183.3	242.1	239.6	161.4
90°	25.2	26.1	27.7	31.1	36.1	44.6	64.7	120.2	150.5	150.5	102.6
92.5°	18.5	18.5	21.0	24.4	28.6	36.1	47.1	76.5	89.9	90.8	66.4
95°	13.4	13.4	15.1	16.8	21.9	28.6	34.5	47.1	55.5	53.8	45.4
97.5°	10.9	10.9	11.8	13.4	16.8	22.7	26.9	33.6	37.0	37.0	33.6
100°	9.2	9.2	10.1	10.1	13.4	18.5	21.9	24.4	26.9	27.7	26.9
102.5°	7.6	8.4	8.4	8.4	10.9	16.0	17.7	19.3	21.0	21.0	21.0
105°	6.7	6.7	7.6	7.6	9.2	13.4	15.1	16.0	16.8	16.8	16.8
107.5°	5.9	5.9	6.7	6.7	8.4	11.8	12.6	12.6	13.4	13.4	13.4
110°	5.9	5.9	5.9	5.9	7.6	10.1	10.1	10.1	10.1	10.1	10.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.0	5.0	5.9	5.9	6.7	9.2	9.2	8.4	8.4	8.4	10.1
115°	5.0	5.0	5.0	5.9	6.7	7.6	7.6	7.6	7.6	7.6	8.4
117.5°	5.0	5.0	5.0	5.9	5.9	7.6	6.7	6.7	6.7	6.7	7.6
120°	5.0	5.0	5.0	5.0	5.9	6.7	6.7	5.9	5.9	5.9	6.7
122.5°	5.0	5.0	5.0	5.0	5.9	5.9	5.9	5.0	5.0	5.0	6.7
125°	5.0	5.0	5.9	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.9
127.5°	5.9	5.9	5.9	5.9	5.0	5.9	5.0	5.0	5.0	5.0	5.9
130°	6.7	6.7	6.7	5.9	5.0	5.0	5.0	5.0	5.0	5.0	5.9
132.5°	6.7	6.7	6.7	5.9	5.0	5.0	4.2	4.2	5.0	5.0	5.0
135°	6.7	6.7	5.9	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.0
137.5°	5.9	5.9	5.9	5.0	4.2	4.2	3.4	3.4	4.2	4.2	4.2
140°	5.0	5.0	5.0	4.2	3.4	3.4	2.5	2.5	3.4	3.4	3.4
142.5°	4.2	4.2	4.2	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4
145°	3.4	3.4	3.4	2.5	2.5	2.5	1.7	1.7	2.5	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°	2.5	2.5	2.5	1.7	1.7	1.7	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°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2.5°	79.9	79.0	77.3	76.5	74.8	74.0	73.1	72.3	73.1	72.3	72.3
5°	80.7	79.0	75.7	72.3	69.8	68.1	66.4	64.7	64.7	63.9	63.0
7.5°	82.4	79.9	74.0	69.8	64.7	61.4	58.8	57.2	56.3	55.5	55.5
10°	86.6	82.4	74.8	67.2	61.4	56.3	53.0	51.3	49.6	49.6	49.6
12.5°	95.0	89.9	78.2	67.2	58.8	53.0	48.8	47.1	47.1	47.1	47.1
15°	109.3	100.9	85.7	71.5	59.7	51.3	48.8	49.6	51.3	53.0	52.1
17.5°	126.9	116.8	95.8	77.3	63.0	55.5	53.8	56.3	58.8	60.5	61.4
20°	148.8	133.7	106.8	83.2	68.9	63.9	62.2	64.7	68.1	70.6	70.6
22.5°	177.4	157.2	121.0	91.6	77.3	72.3	70.6	73.1	77.3	79.9	79.9
25°	213.5	185.8	138.7	102.6	86.6	79.0	79.0	82.4	88.3	91.6	92.5
27.5°	253.9	216.0	154.7	116.0	96.7	86.6	87.4	94.1	100.9	105.9	105.9
30°	297.6	252.2	173.2	127.8	104.2	94.1	95.0	103.4	112.6	119.4	118.5
32.5°	349.7	290.0	192.5	139.5	111.8	100.0	102.6	115.2	126.1	134.5	133.7
35°	402.7	322.8	205.1	150.5	118.5	105.1	109.3	125.3	137.9	145.4	145.4
37.5°	443.8	349.7	212.7	156.4	124.4	109.3	114.3	132.0	145.4	152.2	151.3
40°	458.1	349.7	206.8	157.2	126.9	112.6	118.5	135.3	147.1	151.3	148.8
42.5°	480.0	356.4	198.4	152.2	127.8	115.2	120.2	135.3	142.9	143.7	142.1
45°	511.1	367.3	192.5	148.8	126.1	116.0	120.2	132.8	142.1	144.6	142.9
47.5°	550.6	378.3	185.8	147.1	126.1	116.0	120.2	135.3	144.6	144.6	142.9
50°	601.0	395.9	182.4	147.9	128.6	116.8	122.7	138.7	147.1	145.4	144.6
52.5°	639.7	400.1	176.5	150.5	131.1	118.5	125.3	142.1	149.6	146.3	145.4
55°	690.1	410.2	169.8	150.5	135.3	122.7	128.6	145.4	151.3	147.1	146.3
57.5°	742.3	421.1	169.0	149.6	137.0	126.1	132.0	147.9	153.0	149.6	148.8
60°	756.6	408.5	163.9	152.2	137.9	129.5	134.5	150.5	158.0	156.4	156.4
62.5°	768.3	398.5	158.0	151.3	140.4	129.5	137.0	154.7	166.4	166.4	166.4
65°	759.9	379.1	151.3	147.9	139.5	130.3	140.4	159.7	171.5	174.8	175.7
67.5°	724.6	352.2	144.6	142.9	135.3	130.3	141.2	159.7	174.0	179.1	179.1
70°	649.0	307.7	132.8	132.8	129.5	125.3	138.7	157.2	169.0	174.8	174.8
72.5°	543.9	254.7	115.2	119.4	118.5	117.7	132.0	148.8	156.4	161.4	160.6
75°	432.9	205.1	100.0	101.7	103.4	105.9	121.0	134.5	137.0	141.2	140.4
77.5°	339.6	163.9	84.9	86.6	88.3	94.1	108.4	116.8	118.5	121.0	120.2
80°	265.6	134.5	73.1	73.1	75.7	81.5	93.3	100.9	104.2	105.9	103.4
82.5°	206.8	110.1	64.7	62.2	64.7	69.8	79.0	85.7	88.3	88.3	87.4
85°	147.1	88.3	57.2	53.8	54.6	59.7	68.1	72.3	74.0	73.1	71.5
87.5°	107.6	72.3	50.4	45.4	46.2	53.0	58.8	61.4	62.2	63.0	61.4
90°	75.7	58.0	43.7	37.8	37.8	44.6	50.4	51.3	52.1	52.1	51.3
92.5°	53.8	45.4	36.1	31.1	31.1	37.0	41.2	40.3	41.2	40.3	38.7
95°	39.5	35.3	30.3	25.2	24.4	28.6	30.3	29.4	30.3	29.4	29.4
97.5°	31.1	28.6	25.2	21.0	19.3	21.9	22.7	22.7	24.4	22.7	22.7
100°	25.2	23.5	21.9	17.7	16.0	17.7	18.5	19.3	20.2	19.3	19.3
102.5°	21.0	20.2	18.5	16.0	14.3	15.1	16.0	16.8	17.7	17.7	16.8
105°	16.8	16.8	16.0	13.4	12.6	12.6	13.4	14.3	16.0	16.0	16.0
107.5°	13.4	14.3	13.4	11.8	10.9	10.9	11.8	12.6	13.4	14.3	14.3
110°	11.8	11.8	11.8	10.1	10.1	10.1	10.1	10.9	12.6	13.4	13.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.1	10.1	10.1	9.2	9.2	9.2	9.2	9.2	10.9	11.8	12.6
115°	9.2	9.2	9.2	8.4	8.4	8.4	8.4	8.4	10.1	10.9	10.9
117.5°	8.4	8.4	8.4	7.6	7.6	7.6	7.6	7.6	8.4	10.1	10.1
120°	7.6	7.6	7.6	6.7	6.7	6.7	6.7	6.7	7.6	9.2	9.2
122.5°	6.7	6.7	6.7	6.7	5.9	5.9	5.9	5.9	6.7	8.4	8.4
125°	5.9	6.7	5.9	5.9	5.9	5.9	5.0	5.9	6.7	7.6	7.6
127.5°	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.0	5.9	6.7	6.7
130°	5.9	5.9	5.9	5.0	5.0	4.2	4.2	5.0	5.0	5.9	5.9
132.5°	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2	5.0	5.0	5.0
135°	5.0	5.0	4.2	4.2	4.2	3.4	3.4	3.4	4.2	5.0	5.0
137.5°	4.2	4.2	4.2	4.2	3.4	3.4	3.4	3.4	4.2	4.2	4.2
140°	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5	3.4	3.4	3.4
145°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	2.5	2.5	2.5	2.5
147.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	0.8	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

(END OF REPORT)