

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: P694504

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694504
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-PA16-20-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 2267 lumens
Efficiency: N/A
Efficacy: 104.0 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

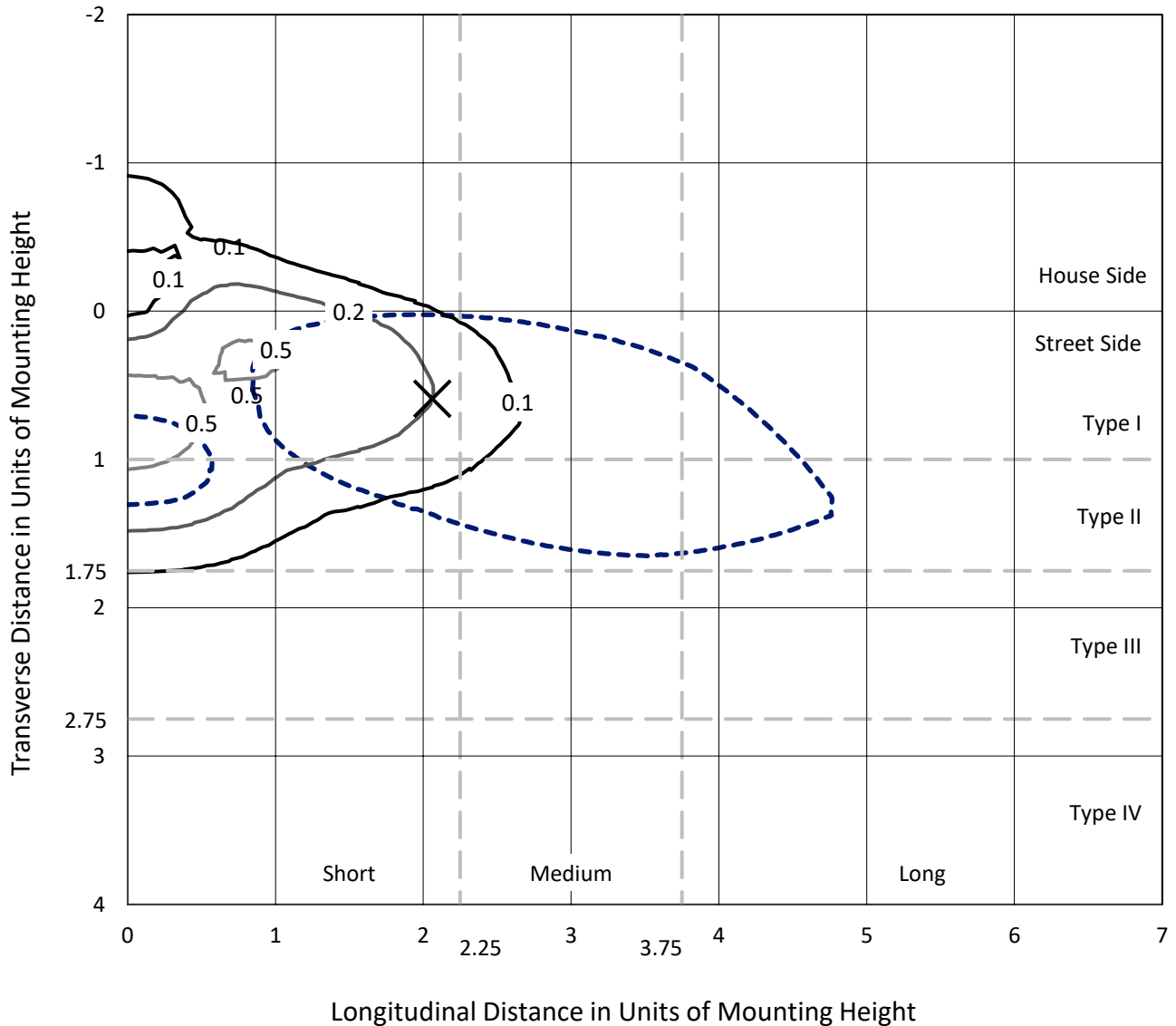
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

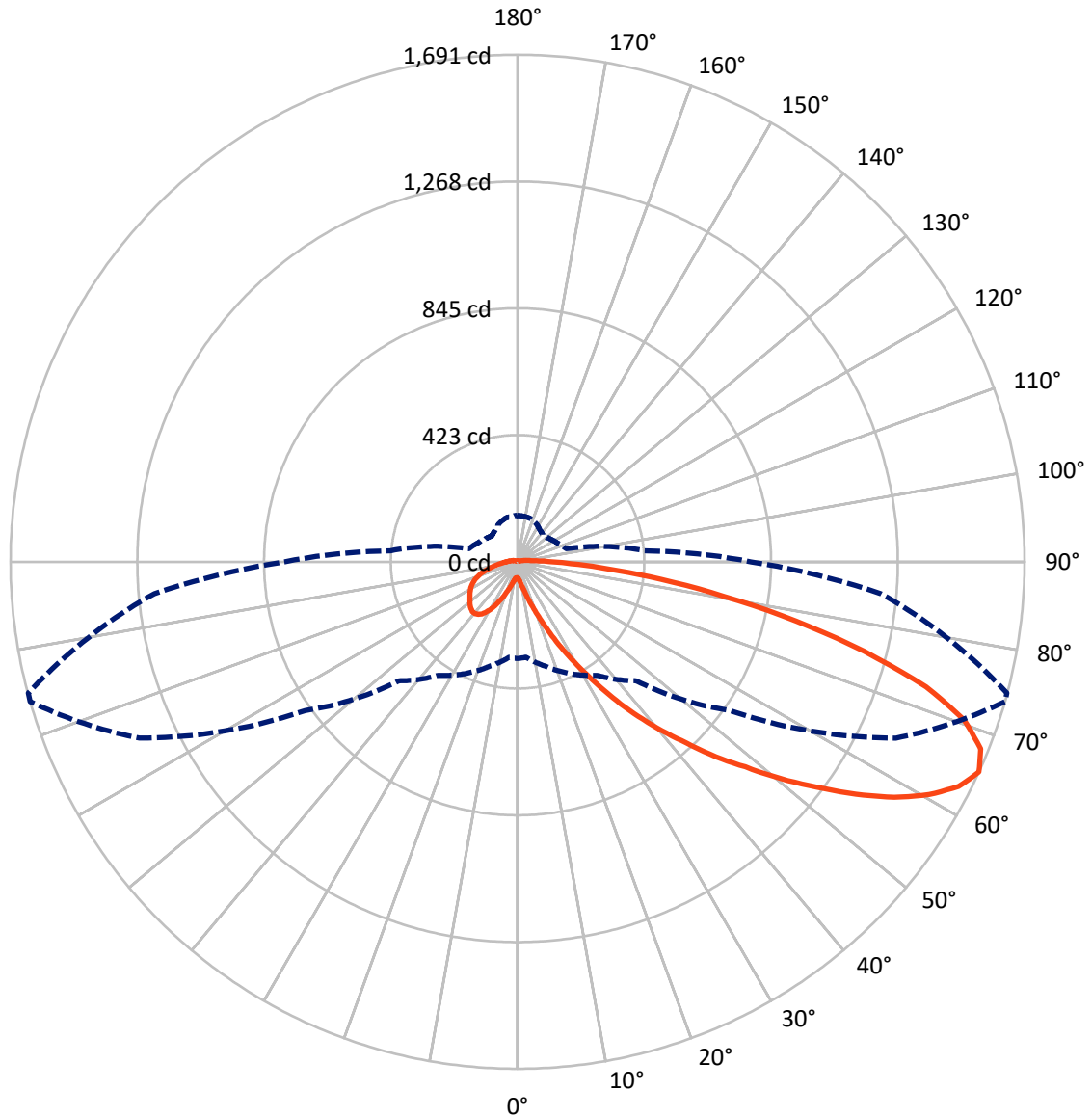
× Max cd
 - - - 1/2 Max cd



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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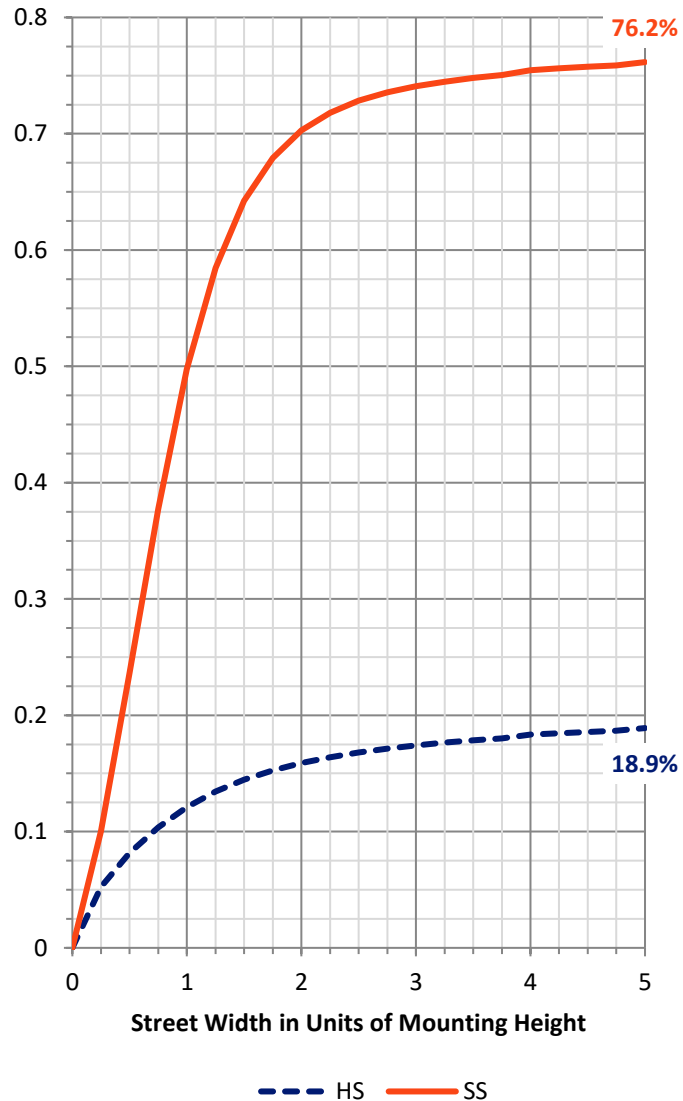
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	449.8	36.7	486.5
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	1747.7	32.8	1780.5
	% Fixture	77.1	1.4	78.5
Total	Lumens	2197.5	69.5	2267.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.3
10°-20°	32.7	1.4
20°-30°	108.7	4.8
30°-40°	249.0	11.0
40°-50°	398.5	17.6
50°-60°	494.7	21.8
60°-70°	480.1	21.2
70°-80°	313.2	13.8
80°-90°	114.5	5.1
90°-100°	34.2	1.5
100°-110°	15.8	0.7
110°-120°	8.8	0.4
120°-130°	5.5	0.2
130°-140°	3.4	0.2
140°-150°	1.7	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2197.5	96.9
0°-180°	2267.0	100.0

Coefficient of Utilization

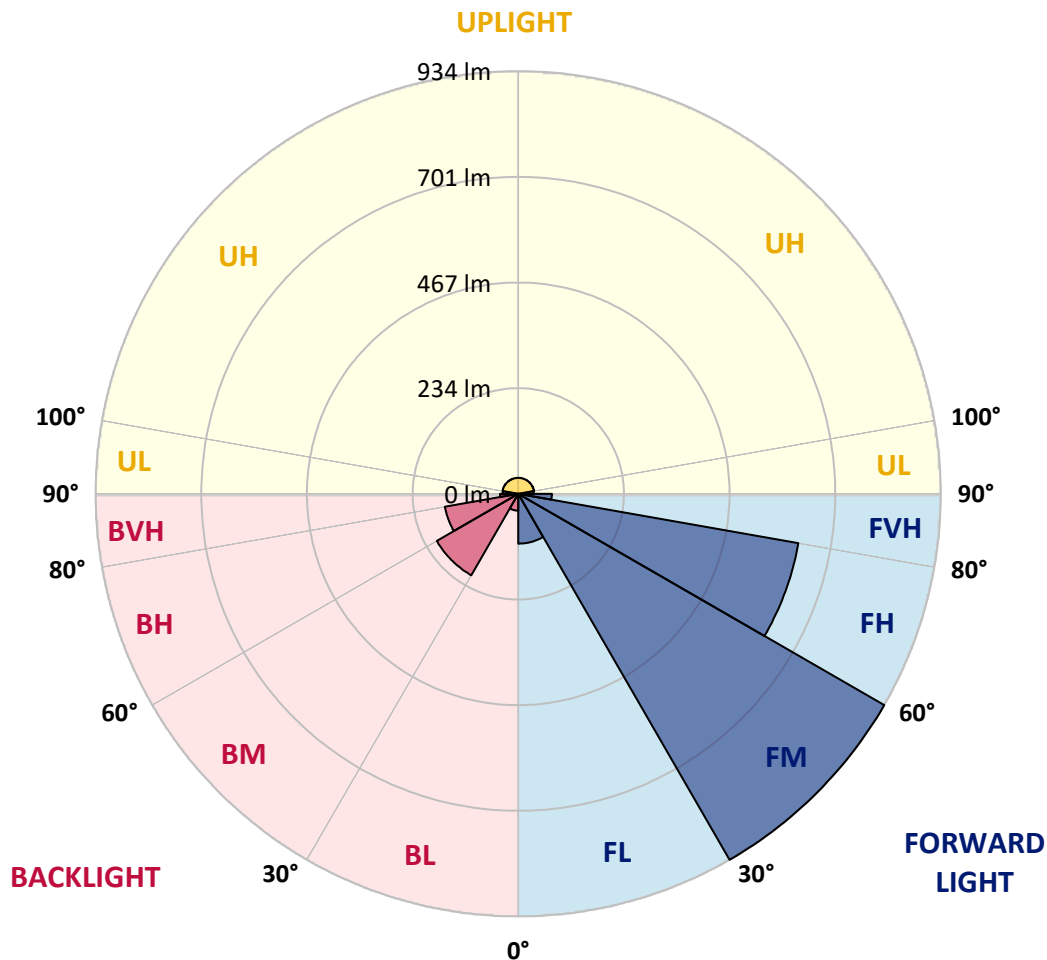


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	110.2	4.9			
FM (30°-60°)	934.3	41.2			
FH (60°-80°)	628.8	27.7			G0/660
FVH (80°-90°)	74.3	3.3			G1/100
BL (0°-30°)	37.3	1.6	B0/110		
BM (30°-60°)	207.9	9.2	B0/220		
BH (60°-80°)	164.5	7.3	B1/500		G1/500
BVH (80°-90°)	40.1	1.8			G1/100
UL (90°-100°)	34.2	1.5		U2/50	
UH (100°-180°)	35.3	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°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	61.4	62.2	62.2	61.4	60.5	60.5	58.8	57.1	56.3	56.3	55.5
5°	74.8	75.6	75.6	74.0	71.4	70.6	67.2	64.7	62.2	62.2	58.8
7.5°	94.1	95.0	93.3	91.6	88.2	84.9	80.7	75.6	70.6	69.8	65.6
10°	116.8	119.3	117.7	113.5	108.4	104.2	97.5	89.1	84.0	82.4	74.8
12.5°	152.1	150.4	146.2	142.0	136.1	127.7	118.5	108.4	98.3	99.2	89.1
15°	188.3	191.6	185.7	178.2	166.4	157.2	144.6	133.6	122.7	121.0	107.6
17.5°	241.2	240.4	233.6	218.5	200.9	191.6	178.2	164.7	152.1	147.9	130.3
20°	303.4	302.6	289.1	269.8	253.0	234.5	216.0	201.7	186.6	183.2	160.5
22.5°	377.4	374.0	359.7	332.0	303.4	280.7	261.4	250.4	230.3	226.9	195.8
25°	463.1	455.5	439.5	402.6	358.9	332.8	315.2	302.6	283.2	279.0	238.7
27.5°	558.0	553.0	523.6	474.8	422.7	382.4	369.8	361.4	345.4	340.4	286.6
30°	647.1	648.8	616.9	555.5	489.1	440.4	431.1	432.0	411.0	406.8	342.9
32.5°	753.0	746.3	705.1	634.5	551.3	500.9	492.5	504.3	486.6	483.2	404.2
35°	837.1	842.1	798.4	711.0	614.4	556.4	559.7	579.1	569.0	563.9	458.9
37.5°	917.7	913.5	862.3	775.7	669.0	608.5	621.1	663.9	653.9	648.0	523.6
40°	971.5	966.5	921.9	828.7	718.6	656.4	680.7	744.6	740.4	737.9	579.1
42.5°	996.7	990.0	953.9	865.6	754.7	694.2	742.1	827.0	826.1	823.6	642.9
45°	990.9	986.7	958.9	887.5	778.2	729.5	796.7	912.7	927.8	916.1	701.8
47.5°	964.8	960.6	941.3	887.5	790.8	751.3	845.5	1002.6	1022.0	1011.0	767.3
50°	912.7	911.0	906.0	866.5	789.2	769.0	892.5	1084.1	1136.3	1125.3	842.1
52.5°	839.6	838.7	847.1	828.7	773.2	771.5	929.5	1178.3	1248.0	1236.3	915.2
55°	753.9	753.9	768.1	769.8	742.1	762.3	958.1	1253.9	1368.2	1351.4	995.1
57.5°	644.6	648.0	679.9	700.9	690.8	735.4	968.2	1326.2	1481.7	1470.7	1077.4
60°	536.2	537.9	574.9	610.1	627.8	697.6	958.9	1375.8	1576.6	1572.4	1143.8
62.5°	422.7	424.4	463.1	514.3	548.8	635.4	924.5	1398.5	1650.6	1648.1	1192.6
65°	322.7	319.4	360.5	411.0	462.2	561.4	864.8	1391.7	1690.9	1689.3	1216.1
67.5°	232.0	238.7	269.8	318.5	370.6	482.4	782.4	1326.2	1665.7	1667.4	1190.9
70°	168.1	179.0	200.9	237.8	291.6	396.7	683.3	1216.9	1580.0	1590.1	1119.4
72.5°	129.4	130.3	147.9	177.3	220.2	314.3	565.6	1068.2	1424.5	1427.9	995.9
75°	100.9	103.4	115.1	136.1	168.9	243.7	458.9	884.1	1194.2	1213.6	844.6
77.5°	82.4	83.2	92.4	105.1	129.4	184.1	342.9	697.6	949.7	951.4	658.9
80°	64.7	68.1	75.6	84.0	100.9	137.8	252.1	511.0	698.4	687.5	466.4
82.5°	49.6	52.1	58.0	67.2	76.5	103.4	180.7	360.5	479.9	471.5	319.4
85°	37.0	38.7	44.5	52.1	60.5	79.0	126.1	232.8	297.5	288.3	194.1
87.5°	26.1	26.9	31.9	38.7	46.2	59.7	87.4	142.9	179.0	175.6	120.2
90°	17.6	18.5	22.7	28.6	36.1	46.2	63.0	89.1	104.2	104.2	76.5
92.5°	12.6	13.4	16.8	21.9	28.6	37.0	46.2	58.0	63.9	63.0	52.1
95°	10.1	10.1	13.4	17.6	23.5	30.3	35.3	39.5	42.9	42.9	39.5
97.5°	8.4	8.4	11.8	15.1	20.2	25.2	28.6	29.4	31.1	31.1	29.4
100°	7.6	7.6	10.1	13.4	16.8	21.0	23.5	22.7	23.5	24.4	22.7
102.5°	6.7	6.7	9.2	11.8	15.1	18.5	19.3	18.5	18.5	18.5	17.6
105°	5.9	5.9	8.4	10.9	13.4	16.0	16.8	15.1	14.3	14.3	14.3
107.5°	5.0	5.0	7.6	9.2	11.8	14.3	14.3	13.4	11.8	11.8	10.9
110°	5.0	5.0	6.7	8.4	10.9	12.6	12.6	10.9	9.2	9.2	9.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	4.2	4.2	5.9	8.4	10.1	10.9	10.9	9.2	8.4	7.6	7.6
115°	4.2	4.2	5.9	7.6	9.2	10.1	10.1	8.4	6.7	6.7	6.7
117.5°	4.2	4.2	5.0	6.7	8.4	9.2	8.4	7.6	5.9	5.9	5.9
120°	4.2	4.2	5.0	5.9	7.6	8.4	8.4	6.7	5.0	5.0	5.9
122.5°	4.2	4.2	5.0	5.9	6.7	7.6	7.6	5.9	5.0	5.0	5.0
125°	4.2	4.2	5.0	5.9	6.7	7.6	6.7	5.9	4.2	4.2	5.0
127.5°	4.2	4.2	5.0	5.0	5.9	6.7	5.9	5.0	4.2	4.2	5.0
130°	4.2	4.2	5.0	5.0	5.9	5.9	5.9	4.2	4.2	4.2	4.2
132.5°	5.0	5.0	5.0	5.0	5.0	5.9	5.0	4.2	3.4	3.4	4.2
135°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.2	3.4	3.4	4.2
137.5°	4.2	5.0	4.2	4.2	4.2	5.0	4.2	3.4	3.4	3.4	3.4
140°	4.2	4.2	4.2	4.2	4.2	4.2	3.4	2.5	3.4	3.4	3.4
142.5°	4.2	4.2	4.2	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	2.5	2.5
147.5°	3.4	3.4	3.4	2.5	2.5	2.5	1.7	1.7	1.7	1.7	2.5
150°	2.5	2.5	2.5	2.5	1.7	1.7	1.7	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°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	54.6	53.8	52.9	52.1	50.4	49.6	49.6	48.7	48.7	48.7	48.7
5°	57.1	56.3	53.8	51.3	48.7	47.1	45.4	45.4	44.5	43.7	43.7
7.5°	63.0	60.5	56.3	52.1	49.6	46.2	44.5	42.9	42.0	42.0	42.0
10°	71.4	68.1	61.4	55.5	51.3	47.1	44.5	42.9	42.0	41.2	41.2
12.5°	83.2	79.0	68.9	61.4	53.8	49.6	46.2	44.5	43.7	43.7	43.7
15°	100.0	93.3	80.7	68.1	59.7	52.1	50.4	50.4	51.3	51.3	51.3
17.5°	121.9	111.8	92.4	76.5	65.6	58.8	56.3	57.1	58.8	58.8	58.8
20°	145.4	133.6	107.6	87.4	73.1	67.2	63.9	65.6	68.1	69.8	69.8
22.5°	178.2	161.4	126.1	99.2	82.4	74.8	73.1	74.8	79.0	80.7	80.7
25°	216.0	190.8	145.4	111.8	92.4	84.0	82.4	84.9	89.9	94.1	94.1
27.5°	255.5	223.6	166.4	124.4	101.7	91.6	90.8	95.0	101.7	105.9	106.7
30°	300.9	257.2	185.7	137.0	110.9	99.2	99.2	105.9	113.5	119.3	120.2
32.5°	345.4	292.5	202.5	147.9	119.3	105.9	106.7	115.1	125.2	130.3	131.9
35°	390.8	322.7	217.7	157.2	125.2	111.8	113.5	124.4	134.5	140.4	140.4
37.5°	434.5	350.5	225.2	162.2	130.3	116.0	119.3	131.9	142.0	147.1	147.9
40°	476.5	371.5	230.3	165.6	133.6	120.2	123.5	137.0	147.9	153.0	153.0
42.5°	513.5	389.1	231.1	166.4	136.1	122.7	127.7	141.2	151.3	154.6	155.5
45°	551.3	404.2	226.9	164.7	137.8	125.2	129.4	143.7	153.0	155.5	156.3
47.5°	585.8	416.9	221.9	163.0	138.7	126.1	131.1	145.4	153.8	154.6	155.5
50°	626.1	426.9	214.3	160.5	139.5	126.9	131.9	145.4	153.8	153.8	153.8
52.5°	664.8	435.3	206.7	158.0	139.5	126.9	131.9	146.2	153.8	153.0	153.0
55°	706.8	442.9	199.2	156.3	138.7	126.9	131.9	146.2	153.0	152.1	153.0
57.5°	739.6	446.3	193.3	154.6	138.7	126.1	131.1	145.4	152.1	152.1	152.1
60°	768.1	445.4	185.7	153.0	137.8	125.2	131.1	144.6	152.1	152.1	152.1
62.5°	785.0	437.9	178.2	151.3	136.1	123.5	130.3	144.6	152.1	153.0	153.0
65°	778.2	424.4	168.1	147.1	132.8	121.9	129.4	142.9	151.3	153.8	154.6
67.5°	749.7	394.2	157.2	141.2	129.4	120.2	128.6	141.2	149.6	153.8	153.8
70°	690.0	356.3	142.9	132.8	123.5	117.7	126.1	138.7	146.2	151.3	151.3
72.5°	606.8	307.6	129.4	121.9	116.8	113.5	123.5	134.5	141.2	145.4	145.4
75°	504.3	255.5	113.5	109.3	108.4	107.6	118.5	128.6	132.8	136.1	136.1
77.5°	394.2	205.9	96.6	96.6	96.6	100.0	111.8	118.5	121.9	125.2	125.2
80°	288.3	157.2	81.5	82.4	84.9	91.6	101.7	106.7	108.4	111.8	110.1
82.5°	196.7	114.3	68.1	68.1	73.1	80.7	90.8	93.3	94.1	96.6	94.1
85°	129.4	82.4	56.3	56.3	61.4	68.9	76.5	78.2	78.2	79.8	77.3
87.5°	84.0	60.5	46.2	46.2	49.6	57.1	63.0	63.0	63.0	64.7	62.2
90°	59.7	46.2	38.7	37.8	40.3	46.2	50.4	49.6	49.6	50.4	48.7
92.5°	43.7	37.8	32.8	31.9	33.6	37.8	40.3	39.5	40.3	39.5	38.7
95°	34.5	31.1	28.6	27.7	28.6	31.1	32.8	31.9	31.9	31.1	30.3
97.5°	27.7	26.1	25.2	24.4	24.4	25.2	26.9	26.1	26.9	25.2	24.4
100°	22.7	21.9	21.9	21.9	21.0	21.9	22.7	22.7	22.7	21.0	21.0
102.5°	17.6	18.5	19.3	19.3	18.5	19.3	19.3	19.3	19.3	17.6	17.6
105°	14.3	15.1	16.8	16.8	16.8	16.8	16.8	16.8	16.8	15.1	15.1
107.5°	11.8	12.6	14.3	15.1	14.3	14.3	15.1	15.1	14.3	13.4	13.4
110°	10.1	10.9	11.8	12.6	12.6	12.6	13.4	13.4	12.6	11.8	10.9

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CANDELA DISTRIBUTION (continued):

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