

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: P694519

Luminaire Tested: **LXF.LXT-PA16-20-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694519
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-PA16-20-727-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 2325 lumens
Efficiency: N/A
Efficacy: 106.7 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

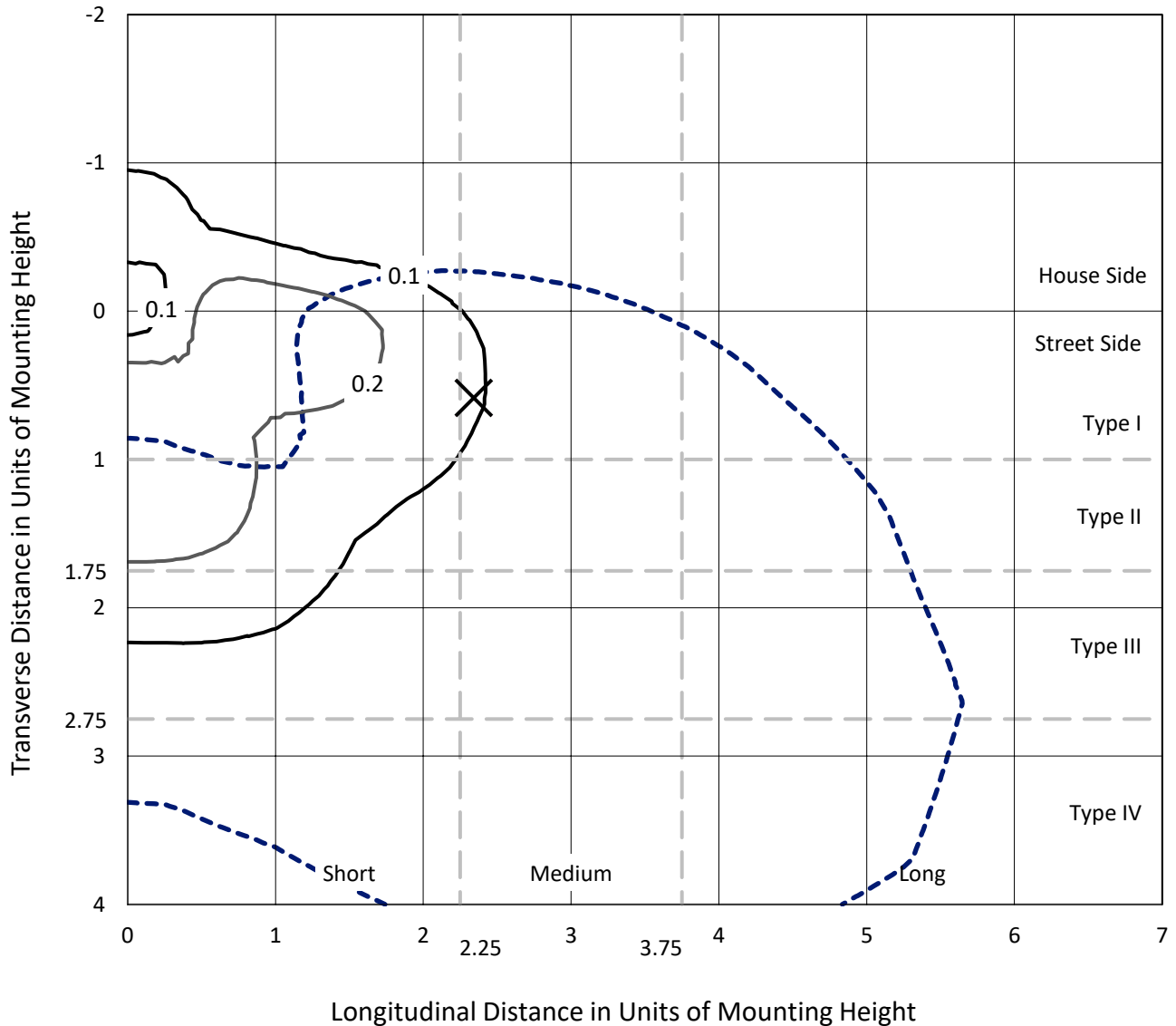
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

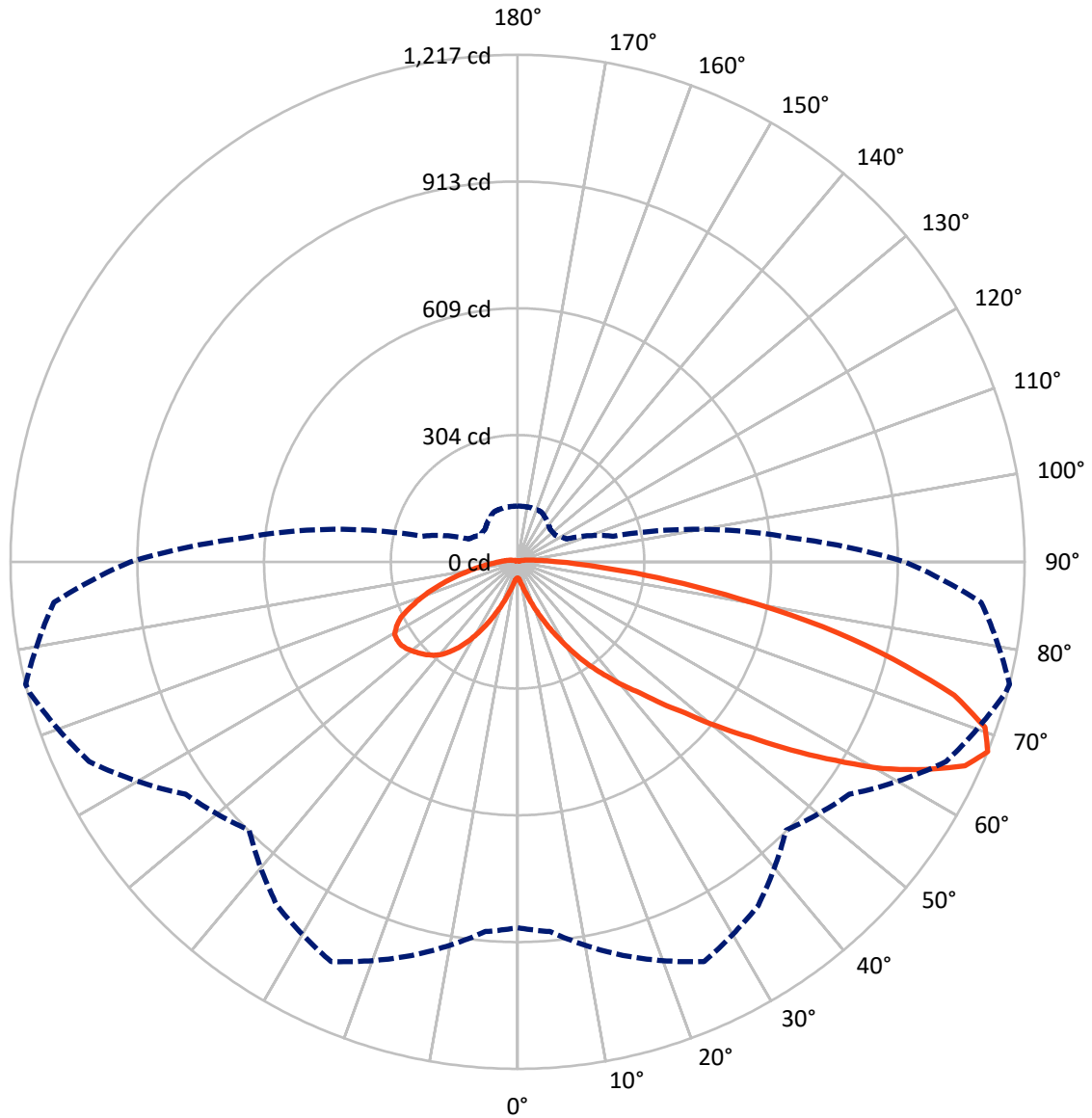
× Max cd
 - - - 1/2 Max cd



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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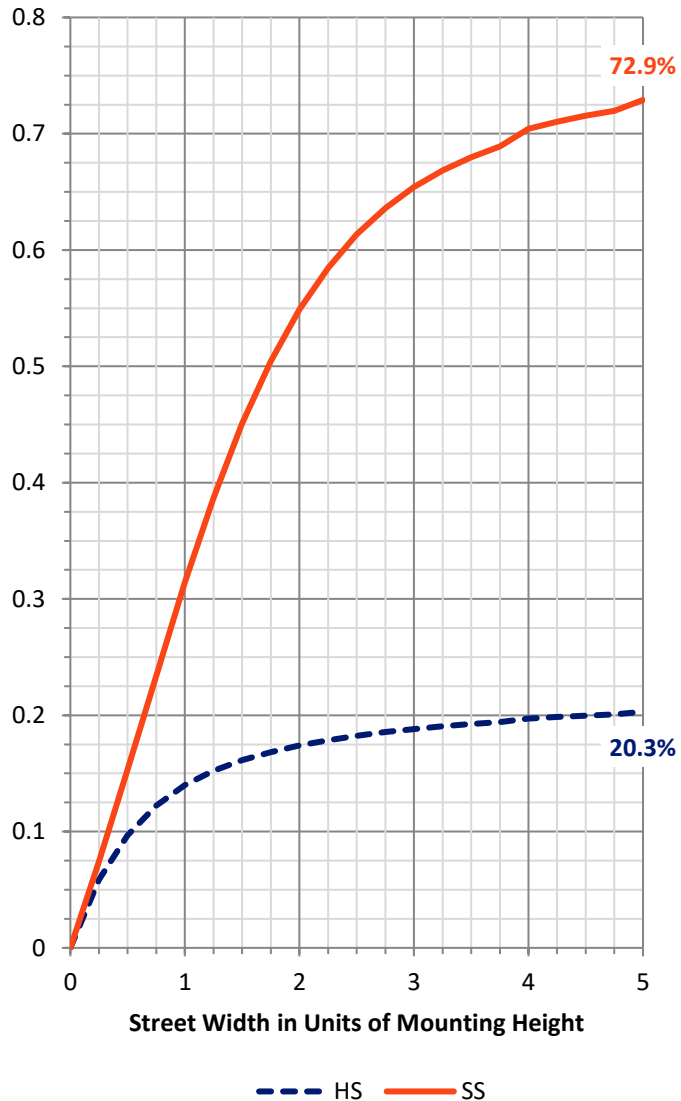
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	497.9	40.1	538.1
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	1746.4	40.6	1786.9
	% Fixture	75.1	1.7	76.9
Total	Lumens	2244.3	80.7	2325.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.2
10°-20°	23.0	1.0
20°-30°	72.5	3.1
30°-40°	161.7	7.0
40°-50°	277.6	11.9
50°-60°	433.0	18.6
60°-70°	592.8	25.5
70°-80°	496.9	21.4
80°-90°	182.3	7.8
90°-100°	45.9	2.0
100°-110°	17.5	0.8
110°-120°	8.3	0.4
120°-130°	4.7	0.2
130°-140°	2.8	0.1
140°-150°	1.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2244.3	96.5
0°-180°	2325.0	100.0

Coefficient of Utilization

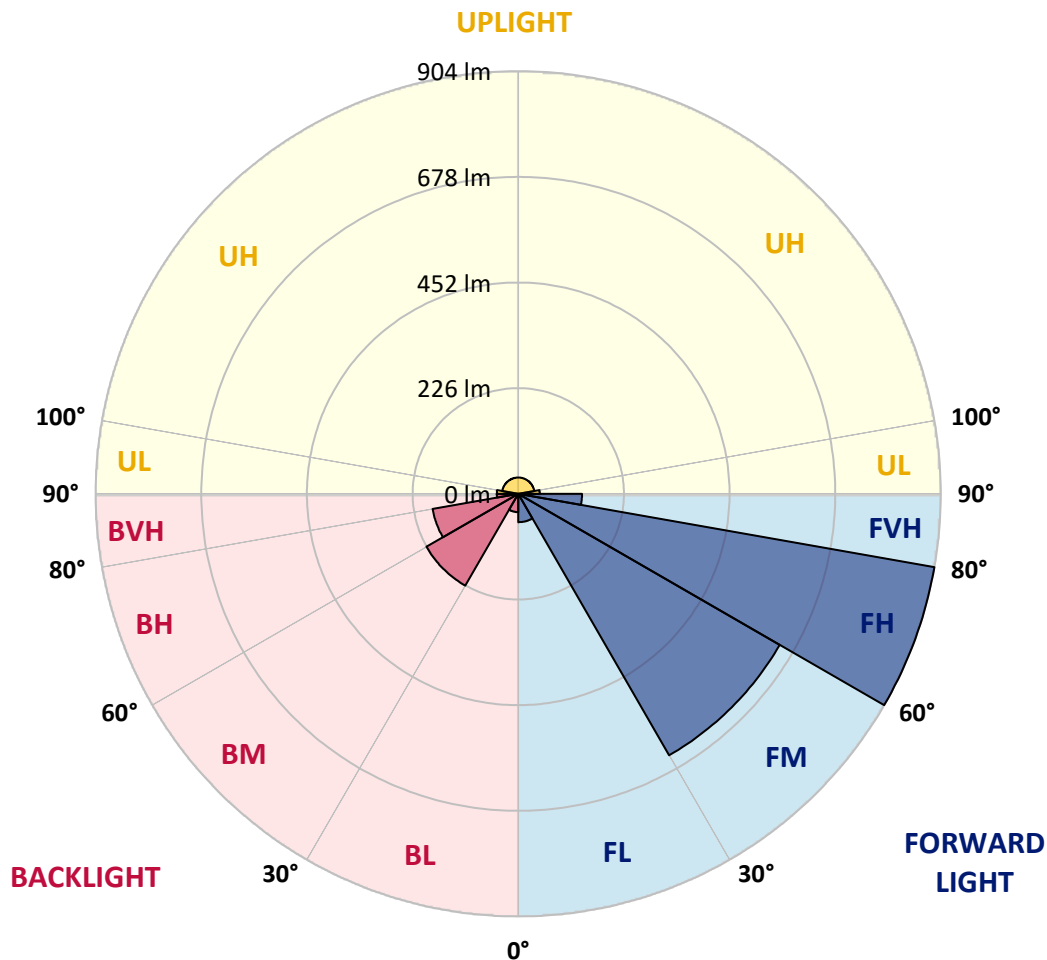


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	60.7	2.6			
FM (30°-60°)	645.6	27.8			
FH (60°-80°)	903.7	38.9			G1/1800
FVH (80°-90°)	136.3	5.9			G2/225
BL (0°-30°)	39.2	1.7	B0/110		
BM (30°-60°)	226.7	9.8	B1/1000		
BH (60°-80°)	186.0	8.0	B1/500		G1/500
BVH (80°-90°)	46.0	2.0			G1/100
UL (90°-100°)	45.9	2.0		U2/50	
UH (100°-180°)	34.8	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°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	41.2	41.2	41.2	41.2	42.0	41.2	41.2	40.3	40.3	39.5	39.5
5°	47.1	47.1	47.1	47.1	47.1	46.2	45.4	44.5	43.7	42.9	42.9
7.5°	55.5	55.5	55.5	54.6	53.8	52.9	52.1	50.4	48.7	48.7	47.1
10°	67.2	67.2	67.2	66.4	63.9	62.2	60.5	58.0	57.1	56.3	54.6
12.5°	83.2	83.2	81.5	79.8	76.5	74.0	71.4	68.9	68.1	67.2	64.7
15°	103.4	102.5	100.9	95.8	92.4	88.2	85.7	83.2	80.7	80.7	79.8
17.5°	127.7	126.9	122.7	116.0	110.9	104.2	100.9	99.2	99.2	98.3	96.7
20°	157.2	157.2	151.3	141.2	131.1	122.7	120.2	119.3	119.3	120.2	117.7
22.5°	195.0	194.1	185.7	168.9	154.6	143.7	141.2	141.2	143.7	143.7	142.9
25°	237.0	236.2	221.0	202.5	179.9	168.1	162.2	166.4	172.3	173.1	174.0
27.5°	288.3	284.9	267.3	238.7	209.3	190.8	186.6	193.3	205.1	204.2	205.9
30°	341.2	339.5	315.2	279.9	240.4	215.2	211.8	224.4	237.8	238.7	242.9
32.5°	403.4	394.2	371.5	324.4	272.3	241.2	236.2	254.7	274.8	276.5	280.7
35°	465.6	464.8	427.8	372.3	305.9	265.6	261.4	283.2	311.8	312.6	318.5
37.5°	528.6	525.3	490.0	419.4	342.9	293.3	286.6	315.2	347.1	348.8	357.2
40°	595.0	590.8	553.0	469.8	381.6	323.6	316.0	349.6	386.6	390.0	400.0
42.5°	653.0	652.2	616.0	525.3	419.4	353.0	347.9	384.1	427.8	429.5	444.6
45°	716.9	706.0	672.3	580.7	466.4	389.1	384.1	428.6	478.2	484.9	497.5
47.5°	767.3	762.3	731.2	641.3	514.3	428.6	423.6	476.5	537.0	542.9	553.8
50°	818.6	812.7	785.0	698.4	566.5	474.8	474.0	537.0	611.0	620.2	632.0
52.5°	860.6	857.2	840.4	759.8	621.9	521.1	530.3	608.5	692.5	699.2	711.0
55°	900.1	897.6	894.2	827.8	688.3	582.4	590.0	688.3	785.0	797.6	816.1
57.5°	929.5	933.7	940.4	894.2	758.1	643.8	659.7	785.8	887.5	899.3	917.8
60°	949.7	956.4	980.8	960.6	831.2	711.8	745.5	875.7	994.2	1007.7	1016.9
62.5°	952.2	963.1	1012.7	1016.9	900.1	783.3	821.1	971.5	1095.9	1098.4	1087.5
65°	932.9	941.3	1011.0	1051.4	961.5	853.0	904.3	1069.9	1174.1	1180.0	1129.5
67.5°	878.3	890.9	978.3	1058.9	1006.8	911.0	972.4	1134.6	1212.7	1217.0	1116.9
70°	776.6	799.3	903.5	1015.2	1016.1	943.0	1016.9	1162.3	1195.1	1190.1	1041.3
72.5°	653.9	659.7	774.9	924.5	980.8	942.1	1011.9	1128.7	1105.2	1095.9	900.1
75°	478.2	494.2	601.8	784.1	896.7	886.7	952.2	1028.7	948.0	931.2	733.7
77.5°	323.6	340.4	425.3	601.8	754.7	787.5	843.0	865.6	763.1	748.8	537.9
80°	203.4	215.2	274.8	420.2	591.7	642.9	685.0	670.7	553.8	540.4	382.4
82.5°	113.5	119.3	168.1	274.0	416.9	489.1	521.9	486.6	381.6	366.4	247.9
85°	59.7	67.2	95.0	166.4	278.2	347.9	374.0	321.9	234.5	229.4	154.6
87.5°	32.8	36.1	54.6	100.0	172.3	236.2	247.9	202.5	145.4	138.7	98.3
90°	20.2	21.9	31.9	59.7	106.7	147.9	155.5	126.9	90.8	89.1	65.6
92.5°	13.4	14.3	21.9	38.7	67.2	95.0	100.0	79.0	59.7	58.0	47.1
95°	10.1	10.9	16.8	27.7	46.2	64.7	63.9	53.8	40.3	39.5	34.5
97.5°	8.4	9.2	14.3	21.9	33.6	43.7	43.7	35.3	29.4	29.4	26.9
100°	7.6	7.6	11.8	17.6	25.2	31.9	31.9	26.1	21.9	21.9	20.2
102.5°	6.7	6.7	10.1	15.1	20.2	25.2	24.4	20.2	16.8	16.8	16.0
105°	5.9	5.9	9.2	12.6	16.8	20.2	19.3	16.0	13.4	12.6	11.8
107.5°	5.0	5.0	7.6	10.9	15.1	16.8	16.0	13.4	10.1	10.1	9.2
110°	5.0	5.0	6.7	10.1	12.6	14.3	13.4	10.9	8.4	8.4	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	4.2	4.2	5.9	8.4	10.9	12.6	11.8	9.2	6.7	6.7	6.7
115°	4.2	4.2	5.0	7.6	9.2	10.9	10.1	7.6	5.9	5.9	5.9
117.5°	4.2	4.2	5.0	6.7	8.4	9.2	8.4	6.7	5.0	5.0	5.0
120°	3.4	3.4	4.2	5.9	7.6	8.4	7.6	5.9	4.2	4.2	5.0
122.5°	3.4	3.4	4.2	5.0	6.7	7.6	6.7	5.0	4.2	4.2	4.2
125°	3.4	3.4	4.2	5.0	5.9	6.7	5.9	4.2	4.2	4.2	4.2
127.5°	3.4	3.4	3.4	4.2	5.0	5.9	5.0	4.2	3.4	3.4	4.2
130°	3.4	3.4	3.4	4.2	5.0	5.0	4.2	3.4	3.4	3.4	4.2
132.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2	3.4	3.4	3.4	3.4
135°	3.4	3.4	3.4	3.4	4.2	4.2	3.4	3.4	3.4	3.4	3.4
137.5°	3.4	2.5	2.5	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4
140°	2.5	2.5	2.5	2.5	3.4	3.4	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	1.7	2.5	2.5	1.7	1.7	1.7	2.5	2.5
147.5°	1.7	1.7	1.7	1.7	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	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°	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
2.5°	39.5	38.7	38.7	38.7	38.7	37.8	37.8	37.8	37.8	37.0	37.8
5°	42.0	42.0	41.2	39.5	39.5	38.7	38.7	37.8	37.8	37.0	37.0
7.5°	47.1	46.2	44.5	43.7	42.0	41.2	40.3	39.5	39.5	38.7	38.7
10°	53.8	52.9	50.4	48.7	47.1	45.4	44.5	43.7	42.9	42.0	42.0
12.5°	63.9	62.2	59.7	55.5	53.8	51.3	49.6	48.7	48.7	48.7	47.9
15°	78.2	75.6	71.4	66.4	61.4	58.0	57.1	57.1	57.1	58.0	58.0
17.5°	95.0	91.6	86.6	78.2	71.4	67.2	66.4	66.4	67.2	68.9	68.9
20°	116.0	111.8	104.2	93.3	83.2	77.3	75.6	77.3	80.7	81.5	81.5
22.5°	140.4	137.0	124.4	108.4	95.8	88.2	86.6	88.2	92.4	95.8	96.7
25°	169.8	164.7	147.1	126.1	108.4	99.2	96.7	100.9	106.7	111.8	111.8
27.5°	202.5	196.7	172.3	144.6	121.0	108.4	105.9	111.8	121.9	127.7	128.6
30°	237.8	228.6	196.7	162.2	131.9	116.8	115.1	123.5	135.3	142.9	143.7
32.5°	276.5	261.4	221.9	178.2	142.0	122.7	121.9	132.8	147.1	156.3	157.2
35°	312.6	295.8	244.6	189.9	148.8	126.9	126.9	139.5	156.3	165.6	166.4
37.5°	347.9	326.1	263.9	199.2	152.1	128.6	129.4	144.6	161.4	170.6	171.4
40°	386.6	358.9	280.7	203.4	153.0	129.4	131.1	147.1	162.2	171.4	171.4
42.5°	426.9	393.3	291.6	203.4	151.3	128.6	130.3	146.2	160.5	167.2	168.1
45°	474.0	430.3	299.2	200.0	147.9	126.1	128.6	144.6	155.5	158.8	159.7
47.5°	527.8	469.0	305.1	195.0	143.7	123.5	126.9	140.4	149.6	149.6	149.6
50°	595.9	512.7	310.1	186.6	138.7	121.0	124.4	137.0	142.0	140.4	140.4
52.5°	669.8	560.6	313.5	178.2	133.6	117.7	121.9	133.6	136.2	131.9	131.9
55°	752.2	616.9	313.5	169.8	128.6	115.1	120.2	130.3	131.1	126.9	125.2
57.5°	831.2	661.4	309.3	160.5	123.5	112.6	118.5	128.6	128.6	124.4	123.5
60°	901.8	702.6	302.6	152.1	120.2	110.9	118.5	127.7	127.7	124.4	124.4
62.5°	952.2	716.1	285.7	144.6	116.8	110.9	119.3	128.6	129.4	127.7	126.9
65°	964.8	709.3	266.4	136.2	113.5	110.1	121.0	131.1	131.9	131.1	131.1
67.5°	929.5	659.7	237.0	129.4	110.9	110.1	121.9	132.8	133.6	133.6	133.6
70°	837.9	585.8	210.1	121.9	108.4	109.3	123.5	134.5	134.5	134.5	134.5
72.5°	708.5	491.7	182.4	115.1	104.2	107.6	123.5	133.6	133.6	132.8	132.8
75°	559.7	389.1	156.3	108.4	99.2	104.2	121.9	131.1	130.3	129.4	128.6
77.5°	414.3	289.1	131.1	99.2	93.3	100.0	116.8	125.2	124.4	123.5	121.9
80°	285.7	201.7	109.3	89.9	85.7	93.3	109.3	116.8	116.0	114.3	114.3
82.5°	185.7	138.7	88.2	79.0	77.3	85.7	100.9	106.7	105.1	103.4	102.5
85°	120.2	94.1	70.6	67.2	68.9	76.5	88.2	93.3	92.4	90.8	89.1
87.5°	79.0	67.2	55.5	55.5	58.8	67.2	75.6	78.2	77.3	77.3	75.6
90°	55.5	50.4	45.4	46.2	50.4	58.0	62.2	63.0	62.2	63.0	61.4
92.5°	41.2	38.7	37.0	38.7	42.9	48.7	51.3	49.6	50.4	50.4	49.6
95°	31.9	31.1	31.1	32.8	37.0	41.2	42.0	39.5	41.2	41.2	40.3
97.5°	25.2	25.2	26.1	27.7	31.1	34.5	34.5	32.8	33.6	33.6	33.6
100°	20.2	20.2	21.9	23.5	26.9	29.4	28.6	26.9	27.7	26.9	26.1
102.5°	16.0	16.8	18.5	20.2	22.7	24.4	24.4	22.7	22.7	21.9	21.9
105°	12.6	13.4	15.1	17.6	19.3	21.0	21.0	19.3	17.6	16.8	16.8
107.5°	10.1	10.9	12.6	14.3	16.8	17.6	17.6	16.0	14.3	12.6	12.6
110°	8.4	9.2	10.9	12.6	14.3	15.1	15.1	13.4	11.8	10.1	10.1

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)