

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: P694499

Luminaire Tested: **LXF.LXT-PA16-20-727-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694499
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2216 lumens
Efficiency: N/A
Efficacy: 101.7 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

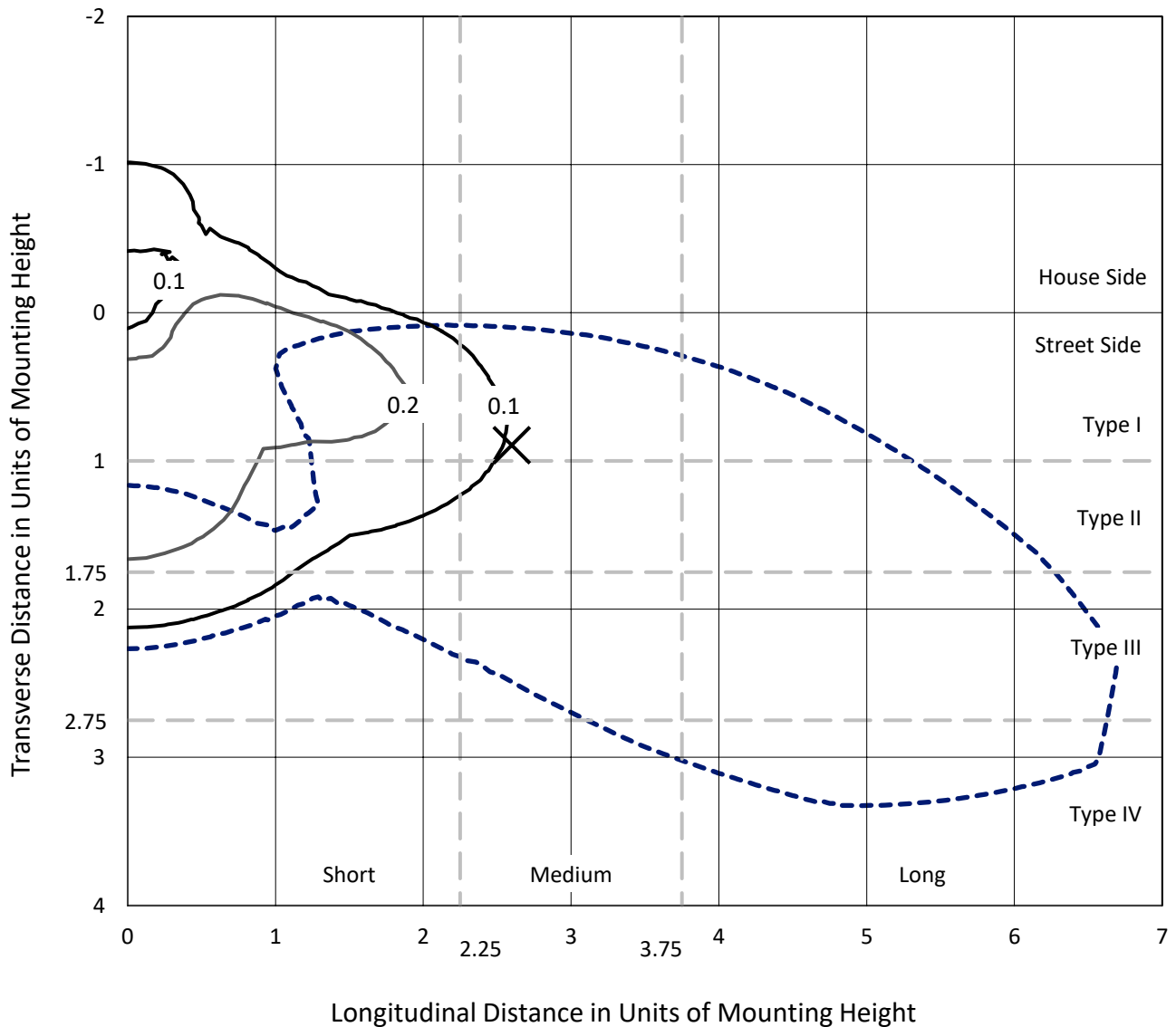
Input Watts (W): 21.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

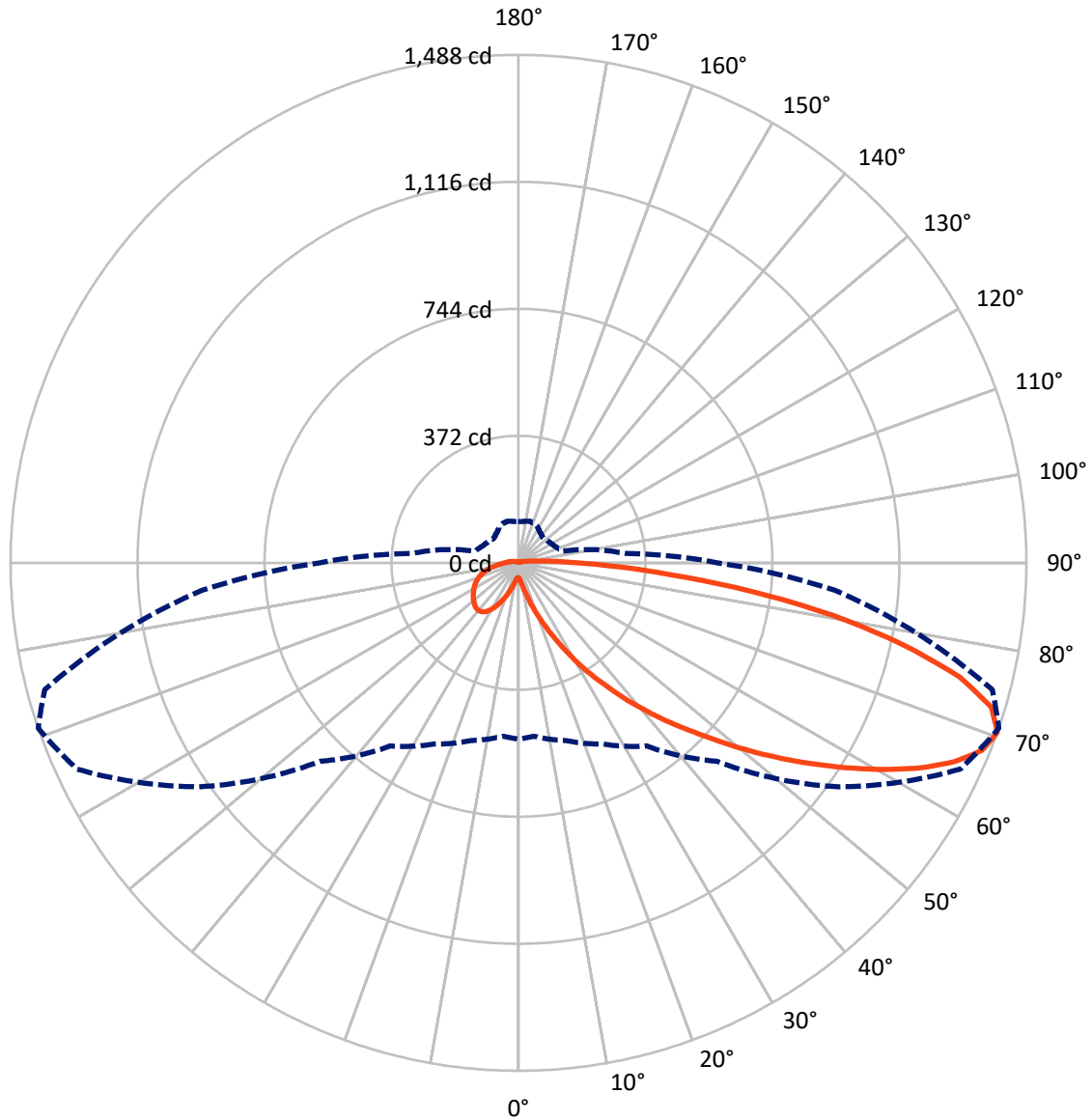
× Max cd
 - - - 1/2 Max cd



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 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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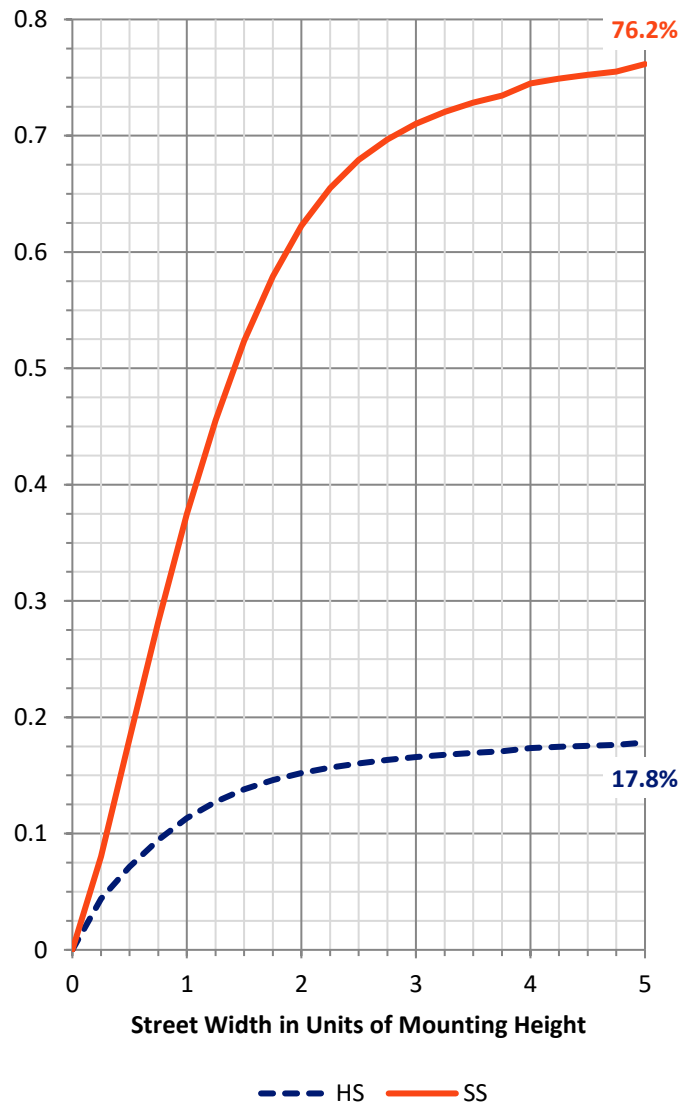
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	414.0	35.5	449.5
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	1727.7	38.7	1766.5
	% Fixture	78.0	1.7	79.7
Total	Lumens	2141.7	74.3	2216.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.2
10°-20°	25.9	1.2
20°-30°	79.7	3.6
30°-40°	172.9	7.8
40°-50°	288.7	13.0
50°-60°	427.8	19.3
60°-70°	538.3	24.3
70°-80°	432.5	19.5
80°-90°	170.9	7.7
90°-100°	41.2	1.9
100°-110°	16.2	0.7
110°-120°	8.1	0.4
120°-130°	4.6	0.2
130°-140°	2.7	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°	2141.7	96.6
0°-180°	2216.0	100.0

Coefficient of Utilization

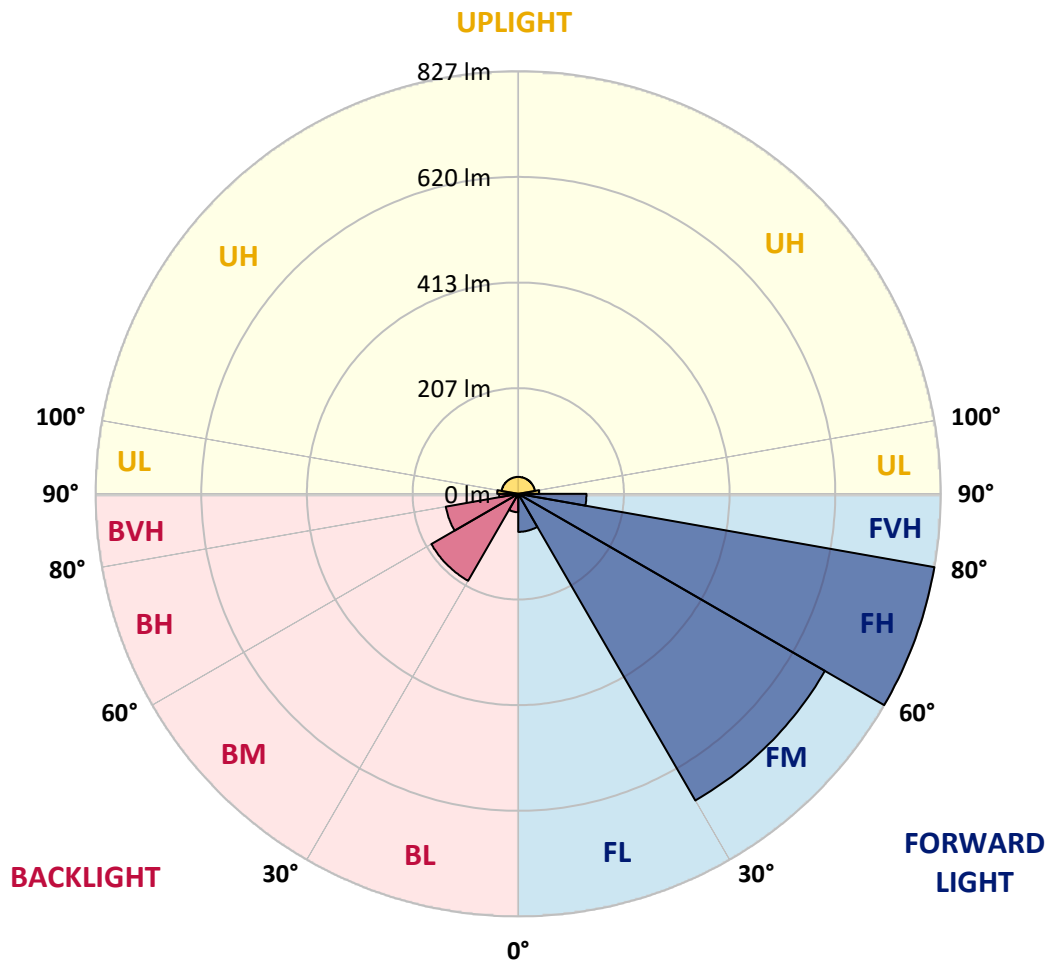


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	74.5	3.4			
FM (30°-60°)	692.9	31.3			
FH (60°-80°)	826.9	37.3			G1/1800
FVH (80°-90°)	133.4	6.0			G2/225
BL (0°-30°)	36.1	1.6	B0/110		
BM (30°-60°)	196.5	8.9	B0/220		
BH (60°-80°)	143.9	6.5	B1/500		G1/500
BVH (80°-90°)	37.5	1.7			G1/100
UL (90°-100°)	41.2	1.9		U2/50	
UH (100°-180°)	33.1	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°	71°	75°	85°
0°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	48.8	48.8	48.8	48.8	48.8	47.9	47.1	47.1	46.2	46.2	45.4
5°	58.0	58.0	57.2	57.2	56.3	55.5	54.7	53.0	52.1	51.3	49.6
7.5°	68.9	68.1	67.3	67.3	67.3	65.6	63.9	62.2	60.5	58.9	56.3
10°	82.4	81.6	81.6	80.7	79.9	79.0	77.4	74.8	72.3	71.5	67.3
12.5°	98.4	97.5	98.4	97.5	95.0	95.0	94.2	90.8	89.1	87.4	81.6
15°	118.6	118.6	118.6	116.0	115.2	113.5	114.3	111.8	110.1	108.5	100.9
17.5°	143.8	143.8	142.1	139.6	136.2	136.2	137.1	137.1	137.9	132.8	122.8
20°	172.4	174.9	169.8	164.8	160.6	161.4	163.1	168.2	168.2	163.1	151.3
22.5°	209.4	206.8	204.3	194.2	187.5	185.8	192.5	201.0	201.8	201.0	182.5
25°	248.0	247.2	238.8	227.9	216.1	214.4	225.3	238.8	242.2	240.5	218.6
27.5°	289.2	289.2	280.8	261.5	244.7	242.2	255.6	279.1	286.7	287.6	257.3
30°	343.0	338.0	326.2	300.2	278.3	270.7	290.1	323.7	337.2	338.0	299.3
32.5°	389.3	389.3	372.5	343.0	311.1	298.5	322.0	371.6	389.3	387.6	340.5
35°	441.4	437.2	418.7	382.6	343.0	327.1	355.7	419.6	442.3	442.3	380.0
37.5°	489.3	484.3	467.5	424.6	375.8	354.8	391.0	467.5	503.6	503.6	415.4
40°	536.4	535.6	514.6	465.8	410.3	381.7	425.4	522.1	565.0	561.7	452.4
42.5°	589.4	586.0	560.8	508.7	443.9	411.2	461.6	579.3	631.4	626.4	487.7
45°	645.7	638.2	609.6	553.3	475.1	441.4	499.4	635.6	698.7	700.4	527.2
47.5°	697.0	695.3	665.9	599.5	515.4	473.4	540.6	706.3	774.4	770.2	564.2
50°	755.9	752.5	717.2	644.9	552.4	510.4	586.9	776.1	859.3	855.1	612.9
52.5°	813.9	807.2	770.2	692.8	595.3	550.7	639.0	852.6	946.7	937.5	661.7
55°	863.5	861.0	813.9	740.8	642.4	593.6	701.2	936.7	1037.6	1033.4	714.7
57.5°	903.9	898.8	855.1	782.8	685.3	651.6	773.5	1020.7	1132.6	1122.5	771.0
60°	916.5	911.4	867.7	811.4	725.6	711.3	855.1	1114.9	1229.3	1215.8	827.4
62.5°	889.6	884.5	850.1	813.9	755.0	768.5	945.1	1215.0	1323.4	1310.0	882.0
65°	802.1	799.6	786.2	779.4	760.1	813.1	1040.9	1303.2	1404.1	1381.4	926.6
67.5°	671.0	674.3	676.0	701.2	729.0	838.3	1108.2	1384.0	1465.5	1433.6	941.7
70°	516.3	510.4	539.0	586.0	655.0	822.3	1144.3	1428.5	1488.2	1436.9	931.6
72.5°	367.4	368.3	400.2	462.4	560.8	770.2	1137.6	1412.6	1448.7	1389.0	883.7
75°	253.9	252.2	276.6	338.0	447.3	672.6	1056.1	1337.7	1334.4	1274.7	781.1
77.5°	170.7	175.7	193.4	239.6	339.7	560.8	929.9	1162.0	1150.2	1075.4	658.4
80°	120.2	118.6	137.1	171.5	237.1	435.5	754.2	949.3	935.0	845.0	513.7
82.5°	80.7	84.9	96.7	118.6	169.8	321.2	571.7	702.9	686.9	613.8	359.9
85°	53.0	54.7	65.6	83.2	117.7	221.1	391.0	474.2	445.6	400.2	235.4
87.5°	33.6	35.3	43.7	57.2	81.6	148.8	259.8	292.6	270.7	252.2	142.9
90°	20.2	21.9	28.6	39.5	56.3	100.1	157.2	169.8	151.3	137.9	86.6
92.5°	14.3	15.1	20.2	28.6	41.2	67.3	97.5	97.5	89.1	76.5	54.7
95°	10.1	10.9	15.1	21.9	31.1	46.2	61.4	58.0	51.3	47.9	37.0
97.5°	8.4	8.4	12.6	17.7	25.2	35.3	40.4	37.0	34.5	32.0	27.7
100°	6.7	7.6	10.9	15.1	21.0	26.9	29.4	26.9	24.4	23.5	21.0
102.5°	5.9	6.7	9.2	13.5	17.7	21.9	22.7	20.2	19.3	17.7	16.0
105°	5.0	5.9	7.6	11.8	15.1	18.5	18.5	16.8	15.1	14.3	12.6
107.5°	5.0	5.0	6.7	10.1	13.5	15.1	16.0	13.5	11.8	10.9	10.1
110°	4.2	4.2	5.9	8.4	11.8	13.5	13.5	10.9	9.2	8.4	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	4.2	4.2	5.9	7.6	10.1	11.8	10.9	9.2	7.6	6.7	6.7
115°	4.2	4.2	5.0	6.7	9.2	10.1	9.2	7.6	6.7	5.9	5.9
117.5°	3.4	4.2	5.0	6.7	8.4	9.2	8.4	6.7	5.9	5.0	5.0
120°	3.4	3.4	4.2	5.9	6.7	7.6	7.6	5.9	5.0	4.2	5.0
122.5°	3.4	3.4	4.2	5.0	6.7	6.7	6.7	5.0	4.2	4.2	4.2
125°	3.4	3.4	4.2	5.0	5.9	5.9	5.9	4.2	4.2	3.4	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	3.4
132.5°	3.4	3.4	3.4	4.2	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	2.5	2.5	3.4
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.5	2.5	2.5	3.4
140°	3.4	2.5	2.5	3.4	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	1.7	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7	1.7	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	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°	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
2.5°	44.6	44.6	43.7	42.9	42.0	41.2	41.2	41.2	41.2	40.4	40.4
5°	47.9	47.1	45.4	43.7	42.0	40.4	39.5	38.7	37.8	37.8	37.0
7.5°	54.7	53.0	49.6	46.2	43.7	41.2	39.5	37.8	37.0	36.2	36.2
10°	64.7	62.2	56.3	51.3	47.1	42.9	40.4	38.7	37.8	37.0	37.0
12.5°	77.4	74.0	65.6	58.0	51.3	46.2	43.7	41.2	40.4	39.5	39.5
15°	95.9	89.1	78.2	67.3	58.0	51.3	47.9	47.1	46.2	46.2	46.2
17.5°	116.0	108.5	91.6	76.5	64.7	58.0	54.7	53.8	54.7	54.7	54.7
20°	140.4	129.5	106.8	87.4	73.2	66.4	63.9	63.1	64.7	65.6	66.4
22.5°	169.0	152.2	121.9	98.4	83.2	75.7	72.3	73.2	75.7	78.2	78.2
25°	201.0	179.9	138.7	109.3	93.3	84.9	82.4	85.8	89.1	92.5	93.3
27.5°	232.1	205.2	155.5	121.1	103.4	93.3	93.3	96.7	105.1	108.5	110.1
30°	264.9	228.7	169.0	132.8	113.5	102.6	103.4	111.0	120.2	125.3	127.0
32.5°	294.3	250.6	179.9	142.9	121.9	111.8	112.7	122.8	135.4	142.1	142.9
35°	323.7	266.5	189.2	152.2	129.5	118.6	121.9	135.4	148.8	156.4	157.2
37.5°	345.6	279.1	193.4	158.1	136.2	123.6	128.6	145.5	160.6	167.3	168.2
40°	365.8	286.7	195.1	162.3	140.4	128.6	134.5	153.9	169.0	175.7	175.7
42.5°	380.9	289.2	194.2	164.0	143.8	131.2	138.7	159.8	174.9	179.9	180.8
45°	396.9	291.8	190.9	164.0	144.6	132.8	140.4	162.3	177.4	180.8	180.8
47.5°	413.7	293.4	186.7	162.3	143.8	132.8	142.1	164.0	177.4	179.1	179.1
50°	437.2	297.6	181.6	158.9	142.1	132.0	142.1	164.0	175.7	174.0	174.0
52.5°	459.1	303.5	176.6	155.5	139.6	130.3	141.3	163.1	172.4	168.2	168.2
55°	486.0	307.7	170.7	150.5	136.2	127.8	138.7	159.8	167.3	162.3	161.4
57.5°	516.3	316.1	165.6	144.6	132.0	125.3	136.2	156.4	162.3	154.7	153.9
60°	547.4	322.9	159.8	139.6	127.8	121.1	132.0	151.3	155.5	148.0	147.1
62.5°	570.9	328.8	153.9	134.5	123.6	116.9	127.8	145.5	148.8	141.3	140.4
65°	591.1	331.3	147.1	128.6	118.6	112.7	122.8	138.7	141.3	134.5	133.7
67.5°	596.1	326.2	138.7	121.9	112.7	107.6	116.0	131.2	134.5	128.6	127.0
70°	583.5	312.8	131.2	116.0	107.6	101.7	109.3	122.8	126.1	121.1	121.1
72.5°	545.7	290.1	121.9	108.5	100.9	95.0	101.7	113.5	117.7	115.2	113.5
75°	486.8	255.6	111.0	100.9	93.3	88.3	93.3	104.3	108.5	107.6	107.6
77.5°	402.7	217.8	99.2	90.8	85.8	80.7	85.8	94.2	99.2	100.1	99.2
80°	310.3	172.4	85.8	80.7	77.4	73.2	77.4	84.9	89.1	90.8	90.0
82.5°	223.7	131.2	72.3	70.6	68.1	66.4	68.1	74.0	79.9	80.7	80.7
85°	154.7	95.0	60.5	60.5	58.9	58.0	59.7	63.9	68.1	69.8	69.8
87.5°	100.1	68.1	48.8	50.4	51.3	50.4	51.3	53.0	57.2	58.9	58.0
90°	65.6	48.8	40.4	42.0	43.7	43.7	42.9	43.7	47.9	48.8	48.8
92.5°	43.7	37.0	34.5	35.3	37.0	37.8	37.0	37.0	39.5	40.4	39.5
95°	32.8	30.3	29.4	30.3	32.0	32.0	32.0	31.1	32.8	33.6	32.8
97.5°	25.2	24.4	25.2	26.1	27.7	27.7	27.7	26.9	27.7	27.7	26.9
100°	20.2	20.2	21.9	22.7	23.5	23.5	23.5	23.5	23.5	21.9	21.9
102.5°	16.0	16.8	18.5	20.2	20.2	21.0	20.2	20.2	19.3	18.5	17.7
105°	13.5	13.5	16.0	16.8	17.7	17.7	17.7	16.8	16.0	14.3	14.3
107.5°	10.1	10.9	13.5	14.3	15.1	15.1	15.1	14.3	13.5	11.8	11.8
110°	8.4	9.2	10.9	12.6	13.5	13.5	13.5	12.6	10.9	9.2	9.2

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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	10.9	11.8	11.8	10.9	9.2	7.6	8.4
115°	5.9	6.7	8.4	9.2	10.1	10.1	10.1	9.2	7.6	6.7	6.7
117.5°	5.9	5.9	7.6	8.4	8.4	9.2	8.4	7.6	6.7	5.9	5.9
120°	5.0	5.9	6.7	7.6	7.6	7.6	7.6	6.7	5.9	5.9	5.9
122.5°	5.0	5.0	5.9	6.7	6.7	6.7	6.7	5.9	5.0	5.0	5.0
125°	4.2	5.0	5.0	5.9	5.9	5.9	5.9	5.0	5.0	5.0	5.0
127.5°	4.2	4.2	5.0	5.0	5.0	5.0	5.0	5.0	4.2	4.2	4.2
130°	4.2	4.2	4.2	5.0	5.0	5.0	5.0	4.2	4.2	4.2	4.2
132.5°	3.4	3.4	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	3.4	3.4	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°	2.5	2.5	2.5	2.5	2.5	2.5	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	1.7	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	2.5	2.5	2.5
150°	1.7	1.7	1.7	1.7	0.8	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)