

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: P695309

Luminaire Tested: **LXF.LXT-PA16-50-727-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695309
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-PA16-50-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA 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: 4560 lumens
Efficiency: N/A
Efficacy: 85.9 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 - U3 - G3

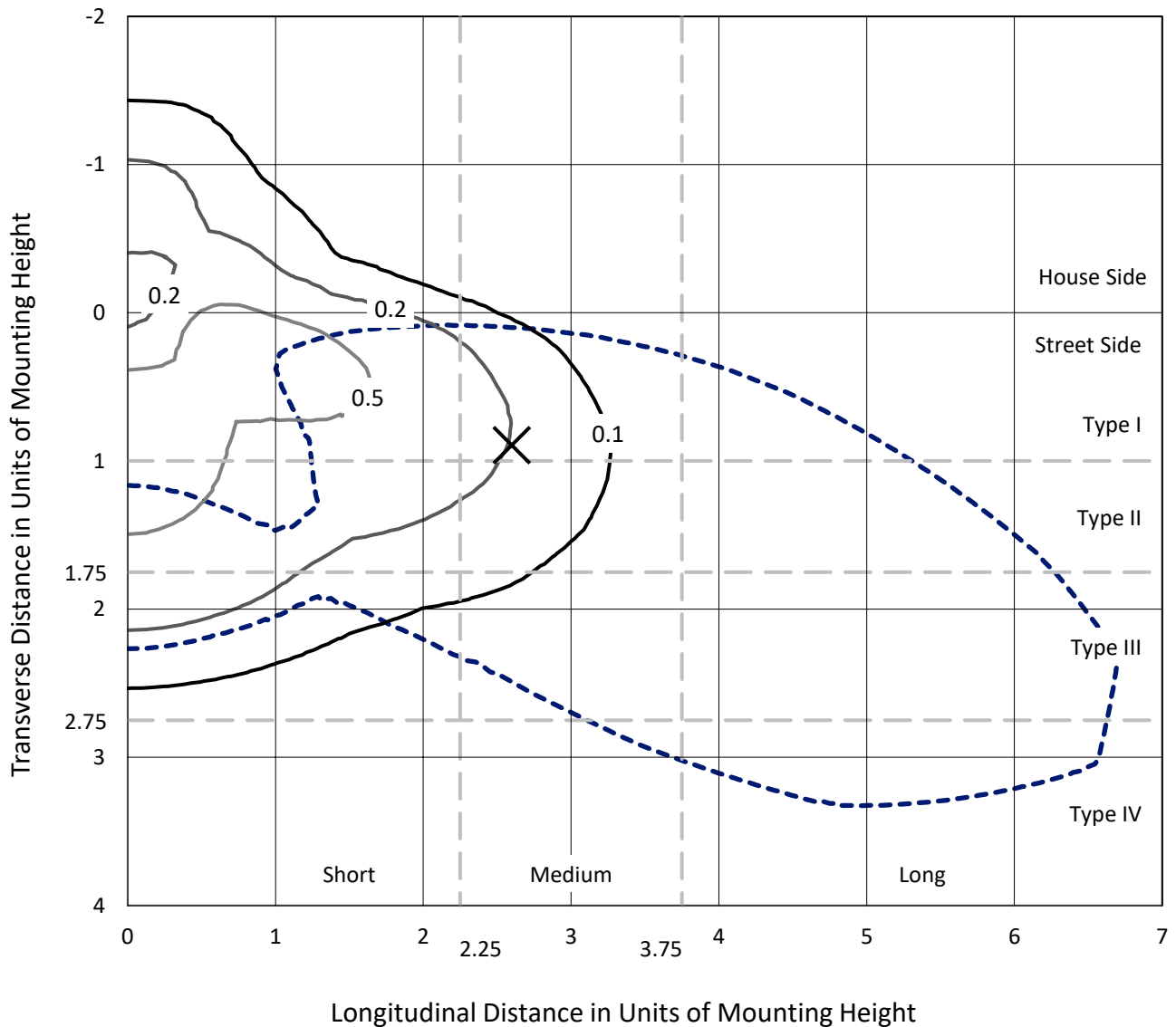
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

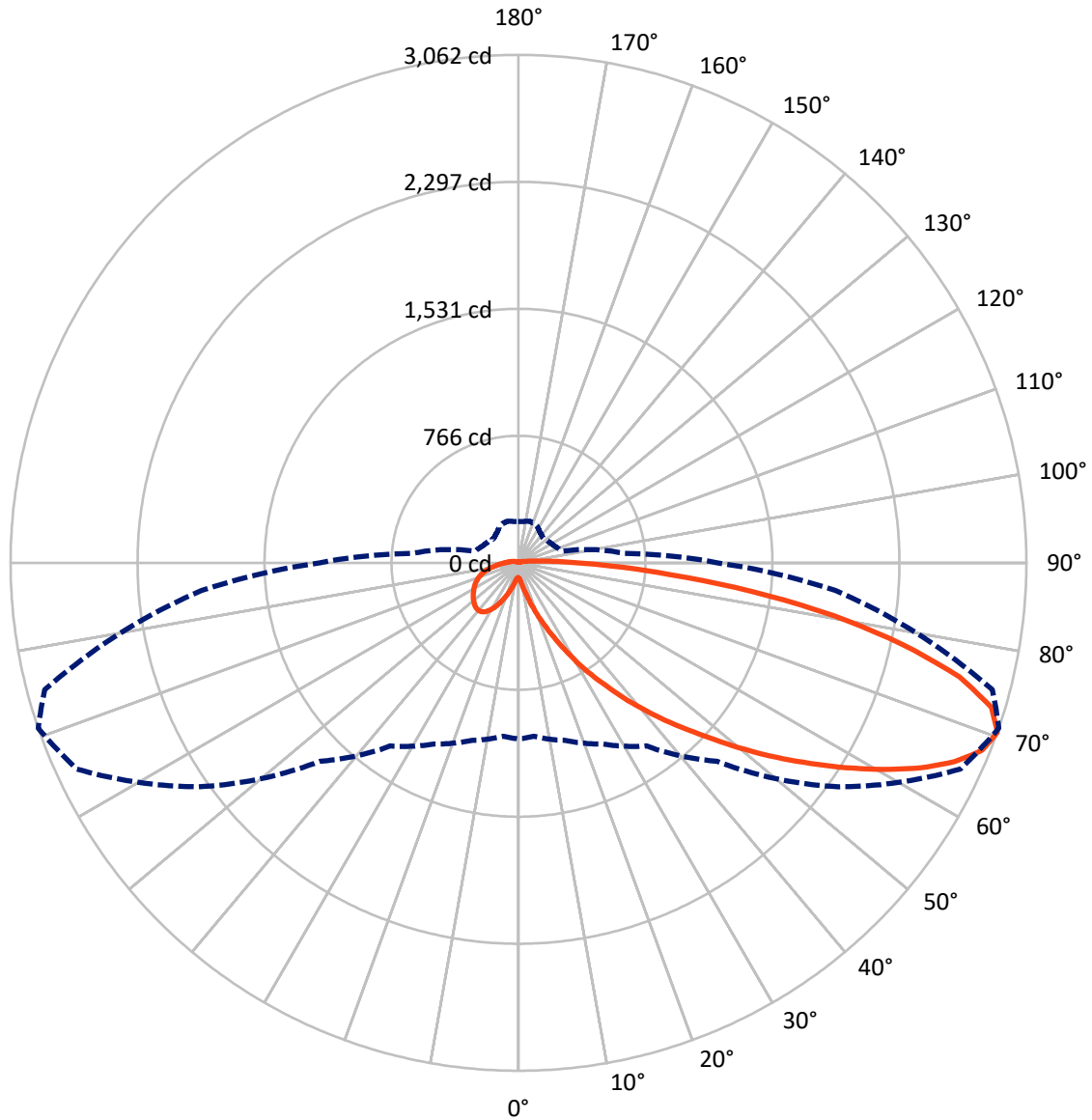
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type 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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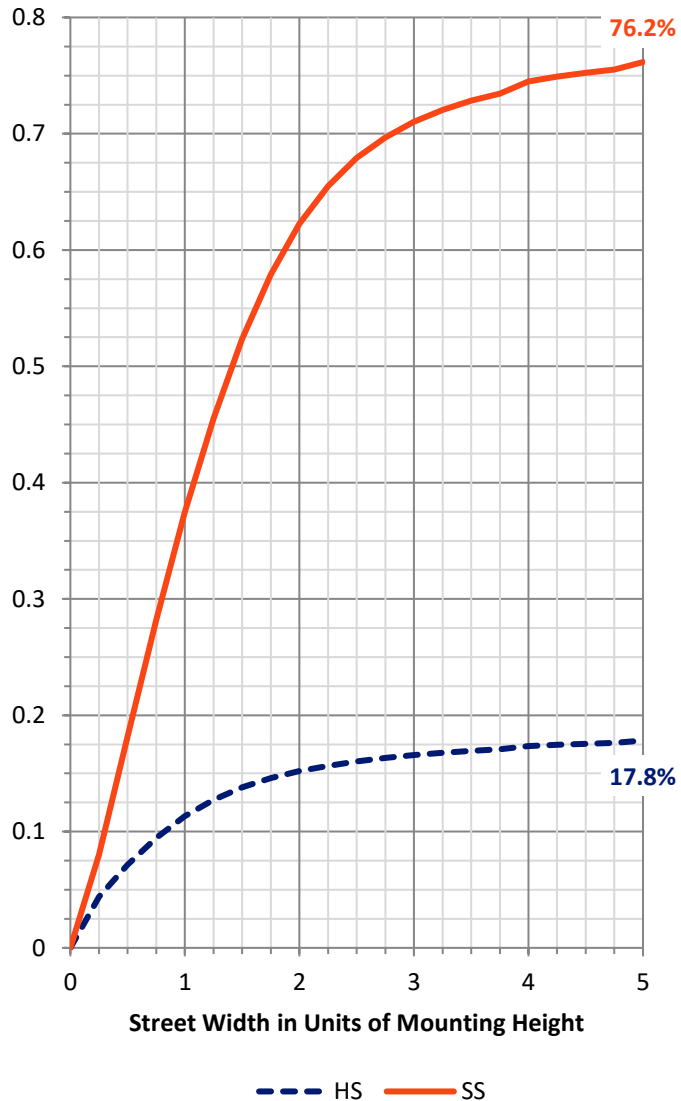
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	851.9	73.2	925.1
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	3555.3	79.7	3635.0
	% Fixture	78.0	1.7	79.7
Total	Lumens	4407.2	152.9	4560.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.2
10°-20°	53.2	1.2
20°-30°	163.9	3.6
30°-40°	355.8	7.8
40°-50°	594.2	13.0
50°-60°	880.2	19.3
60°-70°	1107.7	24.3
70°-80°	890.0	19.5
80°-90°	351.7	7.7
90°-100°	84.8	1.9
100°-110°	33.3	0.7
110°-120°	16.6	0.4
120°-130°	9.4	0.2
130°-140°	5.6	0.1
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4407.2	96.6
0°-180°	4560.0	100.0

Coefficient of Utilization

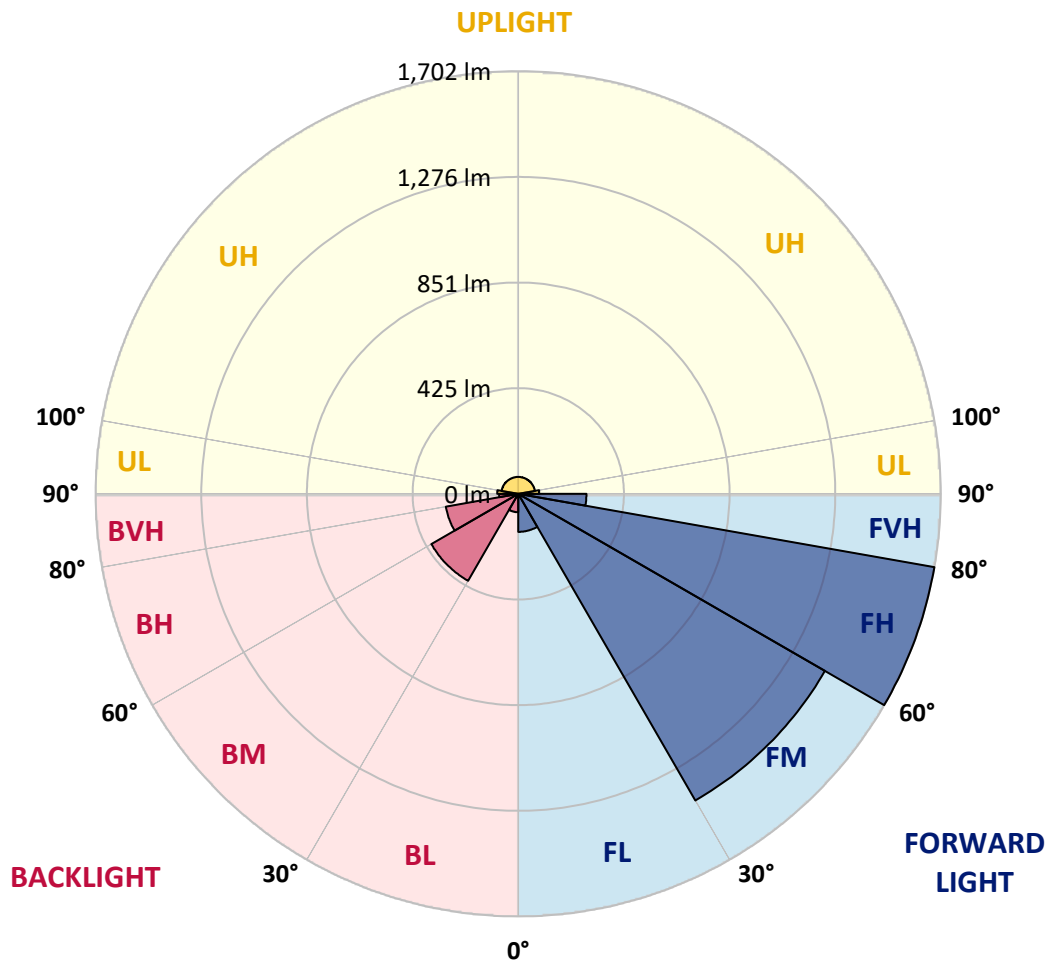


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	153.3	3.4			
FM (30°-60°)	1425.8	31.3			
FH (60°-80°)	1701.6	37.3			G1/1800
FVH (80°-90°)	274.6	6.0			G3/500
BL (0°-30°)	74.2	1.6	B0/110		
BM (30°-60°)	404.3	8.9	B1/1000		
BH (60°-80°)	296.2	6.5	B1/500		G1/500
BVH (80°-90°)	77.2	1.7			G1/100
UL (90°-100°)	84.8	1.9		U3/500	
UH (100°-180°)	68.1	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	100.4	100.4	100.4	100.4	100.4	98.6	96.9	96.9	95.2	95.2	93.4
5°	119.4	119.4	117.7	117.7	115.9	114.2	112.5	109.0	107.3	105.5	102.1
7.5°	141.9	140.1	138.4	138.4	138.4	135.0	131.5	128.0	124.6	121.1	115.9
10°	169.6	167.8	167.8	166.1	164.4	162.6	159.2	154.0	148.8	147.1	138.4
12.5°	202.4	200.7	202.4	200.7	195.5	195.5	193.8	186.9	183.4	179.9	167.8
15°	244.0	244.0	244.0	238.8	237.0	233.6	235.3	230.1	226.7	223.2	207.6
17.5°	295.9	295.9	292.4	287.2	280.3	280.3	282.0	282.0	283.7	273.4	252.6
20°	354.7	359.9	349.5	339.1	330.5	332.2	335.7	346.0	346.0	335.7	311.4
22.5°	430.8	425.6	420.4	399.7	385.8	382.4	396.2	413.5	415.2	413.5	375.4
25°	510.4	508.7	491.4	468.9	444.7	441.2	463.7	491.4	498.3	494.8	449.8
27.5°	595.2	595.2	577.9	538.1	503.5	498.3	526.0	574.4	590.0	591.7	529.4
30°	705.9	695.5	671.3	617.7	572.7	557.1	596.9	666.1	693.8	695.5	615.9
32.5°	801.1	801.1	766.5	705.9	640.2	614.2	662.7	764.7	801.1	797.6	700.7
35°	908.3	899.7	861.6	787.2	705.9	673.0	731.9	863.4	910.1	910.1	782.0
37.5°	1007.0	996.6	962.0	873.7	773.4	730.1	804.5	962.0	1036.4	1036.4	854.7
40°	1103.9	1102.1	1058.9	958.5	844.3	785.5	875.5	1074.4	1162.7	1155.8	930.8
42.5°	1212.9	1205.9	1154.0	1046.8	913.5	846.1	949.9	1192.1	1299.4	1289.0	1003.5
45°	1328.8	1313.2	1254.4	1138.5	977.6	908.3	1027.7	1308.0	1437.8	1441.2	1084.8
47.5°	1434.3	1430.9	1370.3	1233.6	1060.6	974.1	1112.5	1453.4	1593.5	1584.8	1160.9
50°	1555.4	1548.5	1475.8	1327.0	1136.7	1050.2	1207.7	1597.0	1768.2	1759.6	1261.3
52.5°	1674.8	1661.0	1584.8	1425.7	1225.0	1133.3	1314.9	1754.4	1948.2	1929.1	1361.7
55°	1776.9	1771.7	1674.8	1524.3	1321.9	1221.5	1443.0	1927.4	2135.0	2126.4	1470.7
57.5°	1859.9	1849.6	1759.6	1610.8	1410.1	1340.9	1591.8	2100.4	2330.6	2309.8	1586.6
60°	1885.9	1875.5	1785.5	1669.6	1493.1	1463.7	1759.6	2294.2	2529.5	2501.8	1702.5
62.5°	1830.5	1820.1	1749.2	1674.8	1553.7	1581.4	1944.7	2500.1	2723.3	2695.6	1815.0
65°	1650.6	1645.4	1617.7	1603.9	1564.1	1673.1	2142.0	2681.8	2889.4	2842.7	1906.7
67.5°	1380.7	1387.6	1391.1	1443.0	1500.1	1725.0	2280.4	2847.9	3015.7	2950.0	1937.8
70°	1062.3	1050.2	1109.0	1205.9	1347.8	1692.1	2354.8	2939.6	3062.4	2956.9	1917.0
72.5°	756.1	757.8	823.6	951.6	1154.0	1584.8	2340.9	2906.7	2981.1	2858.3	1818.4
75°	522.5	519.1	569.2	695.5	920.5	1384.1	2173.1	2752.7	2745.8	2623.0	1607.3
77.5°	351.2	361.6	397.9	493.1	699.0	1154.0	1913.6	2391.1	2366.9	2212.9	1354.7
80°	247.4	244.0	282.0	353.0	487.9	896.2	1552.0	1953.4	1924.0	1738.8	1057.1
82.5°	166.1	174.7	199.0	244.0	349.5	660.9	1176.5	1446.4	1413.6	1263.0	740.5
85°	109.0	112.5	135.0	171.3	242.2	455.0	804.5	975.8	917.0	823.6	484.5
87.5°	69.2	72.7	90.0	117.7	167.8	306.2	534.6	602.1	557.1	519.1	294.1
90°	41.5	45.0	58.8	81.3	115.9	205.9	323.5	349.5	311.4	283.7	178.2
92.5°	29.4	31.1	41.5	58.8	84.8	138.4	200.7	200.7	183.4	157.4	112.5
95°	20.8	22.5	31.1	45.0	64.0	95.2	126.3	119.4	105.5	98.6	76.1
97.5°	17.3	17.3	26.0	36.3	51.9	72.7	83.0	76.1	70.9	65.7	57.1
100°	13.8	15.6	22.5	31.1	43.3	55.4	60.6	55.4	50.2	48.4	43.3
102.5°	12.1	13.8	19.0	27.7	36.3	45.0	46.7	41.5	39.8	36.3	32.9
105°	10.4	12.1	15.6	24.2	31.1	38.1	38.1	34.6	31.1	29.4	26.0
107.5°	10.4	10.4	13.8	20.8	27.7	31.1	32.9	27.7	24.2	22.5	20.8
110°	8.7	8.7	12.1	17.3	24.2	27.7	27.7	22.5	19.0	17.3	15.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	8.7	8.7	12.1	15.6	20.8	24.2	22.5	19.0	15.6	13.8	13.8
115°	8.7	8.7	10.4	13.8	19.0	20.8	19.0	15.6	13.8	12.1	12.1
117.5°	6.9	8.7	10.4	13.8	17.3	19.0	17.3	13.8	12.1	10.4	10.4
120°	6.9	6.9	8.7	12.1	13.8	15.6	15.6	12.1	10.4	8.7	10.4
122.5°	6.9	6.9	8.7	10.4	13.8	13.8	13.8	10.4	8.7	8.7	8.7
125°	6.9	6.9	8.7	10.4	12.1	12.1	12.1	8.7	8.7	6.9	8.7
127.5°	6.9	6.9	6.9	8.7	10.4	12.1	10.4	8.7	6.9	6.9	8.7
130°	6.9	6.9	6.9	8.7	10.4	10.4	8.7	6.9	6.9	6.9	6.9
132.5°	6.9	6.9	6.9	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9
135°	6.9	6.9	6.9	6.9	8.7	8.7	6.9	6.9	5.2	5.2	6.9
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.2	5.2	5.2	6.9
140°	6.9	5.2	5.2	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.5	5.2	5.2	5.2
145°	5.2	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	3.5	3.5	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5
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°	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
2.5°	91.7	91.7	90.0	88.2	86.5	84.8	84.8	84.8	84.8	83.0	83.0
5°	98.6	96.9	93.4	90.0	86.5	83.0	81.3	79.6	77.9	77.9	76.1
7.5°	112.5	109.0	102.1	95.2	90.0	84.8	81.3	77.9	76.1	74.4	74.4
10°	133.2	128.0	115.9	105.5	96.9	88.2	83.0	79.6	77.9	76.1	76.1
12.5°	159.2	152.3	135.0	119.4	105.5	95.2	90.0	84.8	83.0	81.3	81.3
15°	197.2	183.4	160.9	138.4	119.4	105.5	98.6	96.9	95.2	95.2	95.2
17.5°	238.8	223.2	188.6	157.4	133.2	119.4	112.5	110.7	112.5	112.5	112.5
20°	288.9	266.4	219.7	179.9	150.5	136.7	131.5	129.8	133.2	135.0	136.7
22.5°	347.8	313.2	250.9	202.4	171.3	155.7	148.8	150.5	155.7	160.9	160.9
25°	413.5	370.3	285.5	224.9	192.0	174.7	169.6	176.5	183.4	190.3	192.0
27.5°	477.5	422.2	320.1	249.1	212.8	192.0	192.0	199.0	216.3	223.2	226.7
30°	545.0	470.6	347.8	273.4	233.6	211.1	212.8	228.4	247.4	257.8	261.3
32.5°	605.6	515.6	370.3	294.1	250.9	230.1	231.8	252.6	278.6	292.4	294.1
35°	666.1	548.5	389.3	313.2	266.4	244.0	250.9	278.6	306.2	321.8	323.5
37.5°	711.1	574.4	397.9	325.3	280.3	254.3	264.7	299.3	330.5	344.3	346.0
40°	752.6	590.0	401.4	333.9	288.9	264.7	276.8	316.6	347.8	361.6	361.6
42.5°	783.8	595.2	399.7	337.4	295.9	269.9	285.5	328.7	359.9	370.3	372.0
45°	816.6	600.4	392.8	337.4	297.6	273.4	288.9	333.9	365.1	372.0	372.0
47.5°	851.2	603.8	384.1	333.9	295.9	273.4	292.4	337.4	365.1	368.5	368.5
50°	899.7	612.5	373.7	327.0	292.4	271.6	292.4	337.4	361.6	358.1	358.1
52.5°	944.7	624.6	363.3	320.1	287.2	268.2	290.7	335.7	354.7	346.0	346.0
55°	1000.0	633.2	351.2	309.7	280.3	263.0	285.5	328.7	344.3	333.9	332.2
57.5°	1062.3	650.5	340.8	297.6	271.6	257.8	280.3	321.8	333.9	318.4	316.6
60°	1126.3	664.4	328.7	287.2	263.0	249.1	271.6	311.4	320.1	304.5	302.8
62.5°	1174.8	676.5	316.6	276.8	254.3	240.5	263.0	299.3	306.2	290.7	288.9
65°	1216.3	681.7	302.8	264.7	244.0	231.8	252.6	285.5	290.7	276.8	275.1
67.5°	1226.7	671.3	285.5	250.9	231.8	221.5	238.8	269.9	276.8	264.7	261.3
70°	1200.7	643.6	269.9	238.8	221.5	209.4	224.9	252.6	259.5	249.1	249.1
72.5°	1122.9	596.9	250.9	223.2	207.6	195.5	209.4	233.6	242.2	237.0	233.6
75°	1001.8	526.0	228.4	207.6	192.0	181.7	192.0	214.5	223.2	221.5	221.5
77.5°	828.8	448.1	204.2	186.9	176.5	166.1	176.5	193.8	204.2	205.9	204.2
80°	638.4	354.7	176.5	166.1	159.2	150.5	159.2	174.7	183.4	186.9	185.1
82.5°	460.2	269.9	148.8	145.3	140.1	136.7	140.1	152.3	164.4	166.1	166.1
85°	318.4	195.5	124.6	124.6	121.1	119.4	122.8	131.5	140.1	143.6	143.6
87.5°	205.9	140.1	100.4	103.8	105.5	103.8	105.5	109.0	117.7	121.1	119.4
90°	135.0	100.4	83.0	86.5	90.0	90.0	88.2	90.0	98.6	100.4	100.4
92.5°	90.0	76.1	70.9	72.7	76.1	77.9	76.1	76.1	81.3	83.0	81.3
95°	67.5	62.3	60.6	62.3	65.7	65.7	65.7	64.0	67.5	69.2	67.5
97.5°	51.9	50.2	51.9	53.6	57.1	57.1	57.1	55.4	57.1	57.1	55.4
100°	41.5	41.5	45.0	46.7	48.4	48.4	48.4	48.4	48.4	45.0	45.0
102.5°	32.9	34.6	38.1	41.5	41.5	43.3	41.5	41.5	39.8	38.1	36.3
105°	27.7	27.7	32.9	34.6	36.3	36.3	36.3	34.6	32.9	29.4	29.4
107.5°	20.8	22.5	27.7	29.4	31.1	31.1	31.1	29.4	27.7	24.2	24.2
110°	17.3	19.0	22.5	26.0	27.7	27.7	27.7	26.0	22.5	19.0	19.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.6	15.6	19.0	22.5	22.5	24.2	24.2	22.5	19.0	15.6	17.3
115°	12.1	13.8	17.3	19.0	20.8	20.8	20.8	19.0	15.6	13.8	13.8
117.5°	12.1	12.1	15.6	17.3	17.3	19.0	17.3	15.6	13.8	12.1	12.1
120°	10.4	12.1	13.8	15.6	15.6	15.6	15.6	13.8	12.1	12.1	12.1
122.5°	10.4	10.4	12.1	13.8	13.8	13.8	13.8	12.1	10.4	10.4	10.4
125°	8.7	10.4	10.4	12.1	12.1	12.1	12.1	10.4	10.4	10.4	10.4
127.5°	8.7	8.7	10.4	10.4	10.4	10.4	10.4	10.4	8.7	8.7	8.7
130°	8.7	8.7	8.7	10.4	10.4	10.4	10.4	8.7	8.7	8.7	8.7
132.5°	6.9	6.9	8.7	8.7	8.7	8.7	8.7	8.7	6.9	8.7	8.7
135°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2	5.2	5.2
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	3.5
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)