

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: P695327

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695327  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)  
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-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4980 lumens  
Efficiency: N/A  
Efficacy: 93.8 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 - G2

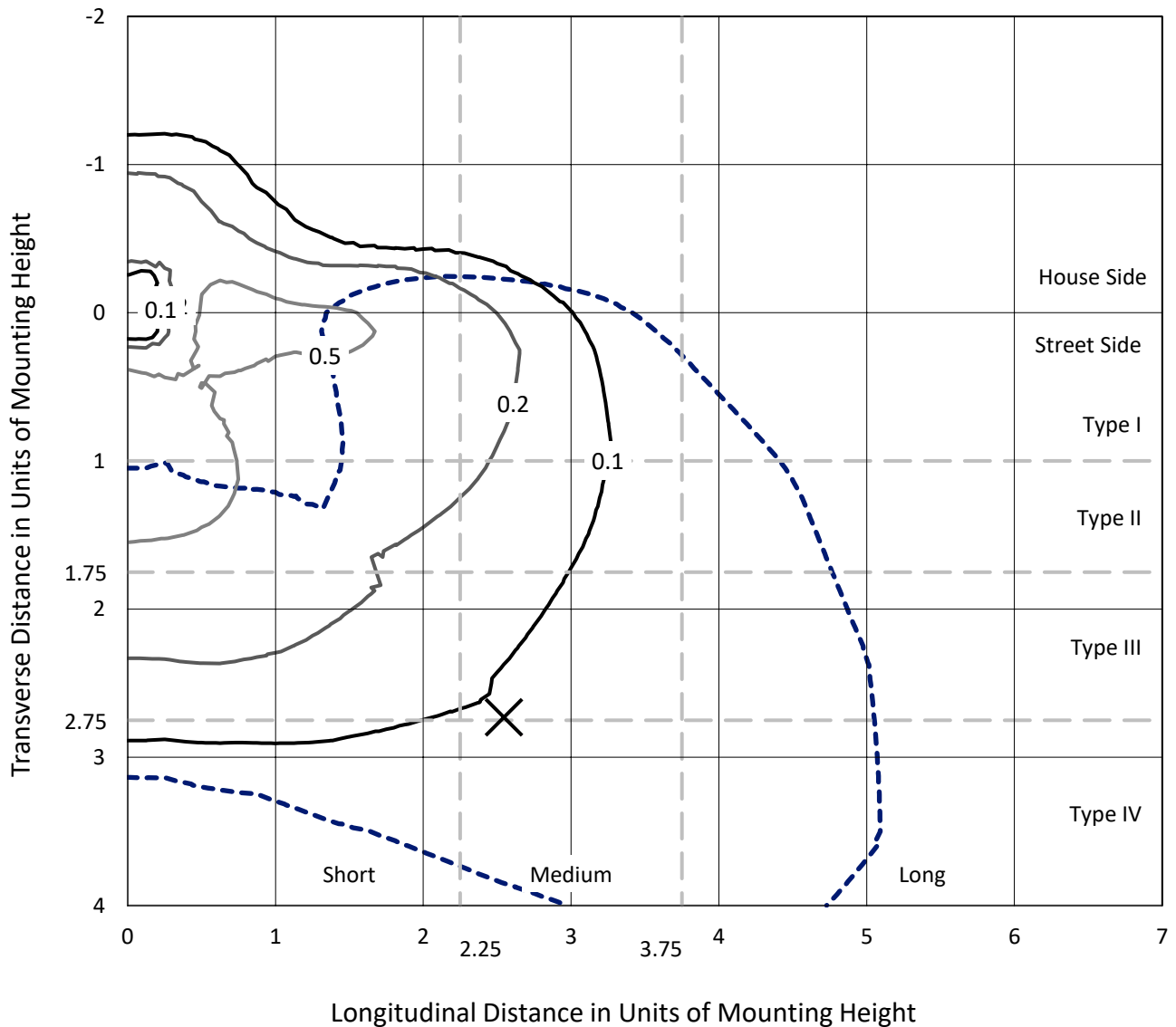
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

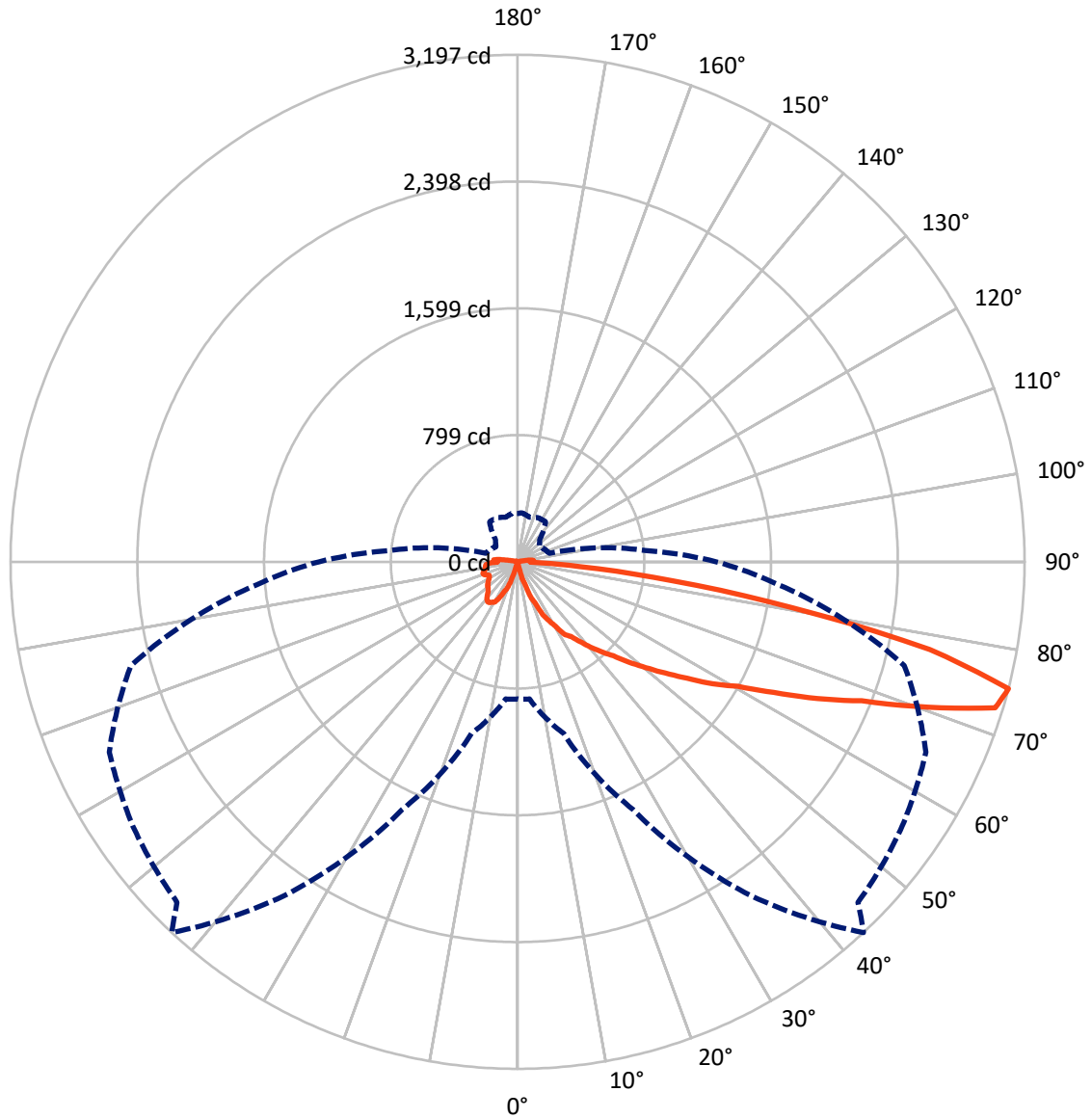
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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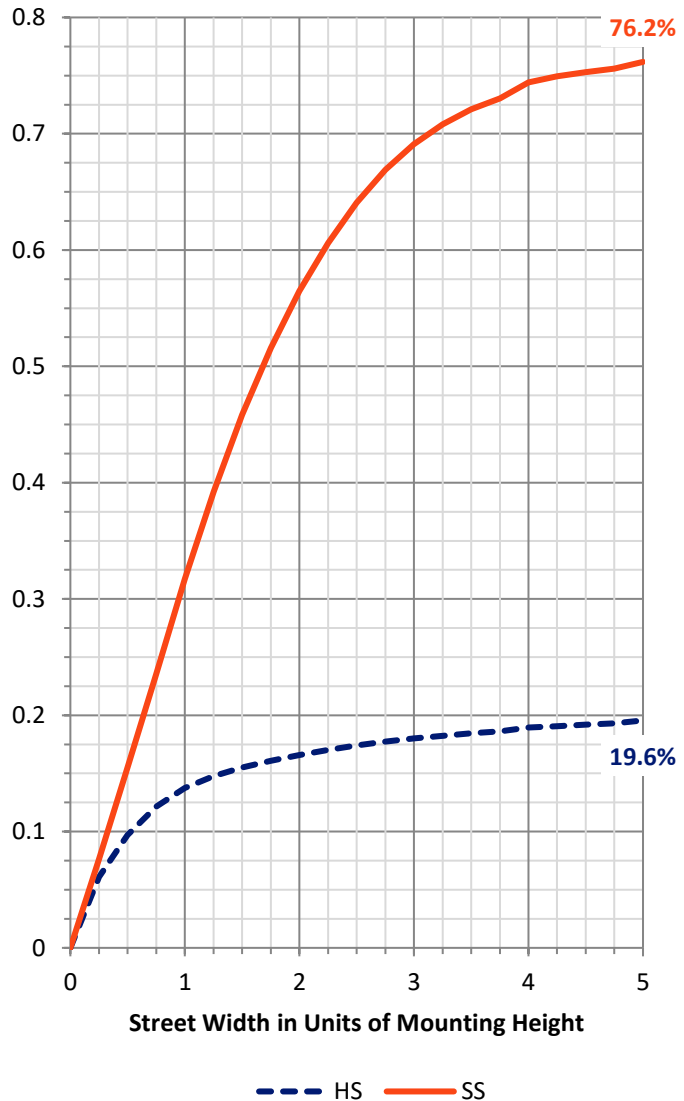
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1037.6	69.9	1107.5
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	3821.8	50.7	3872.5
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	4859.4	120.5	4980.0
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	29.5	0.6
20°-30°	161.8	3.2
30°-40°	378.7	7.6
40°-50°	573.7	11.5
50°-60°	892.2	17.9
60°-70°	1344.1	27.0
70°-80°	1209.5	24.3
80°-90°	269.6	5.4
90°-100°	92.7	1.9
100°-110°	15.2	0.3
110°-120°	4.9	0.1
120°-130°	3.6	0.1
130°-140°	2.2	0.0
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4859.4	97.6
0°-180°	4980.0	100.0

**Coefficient of Utilization**

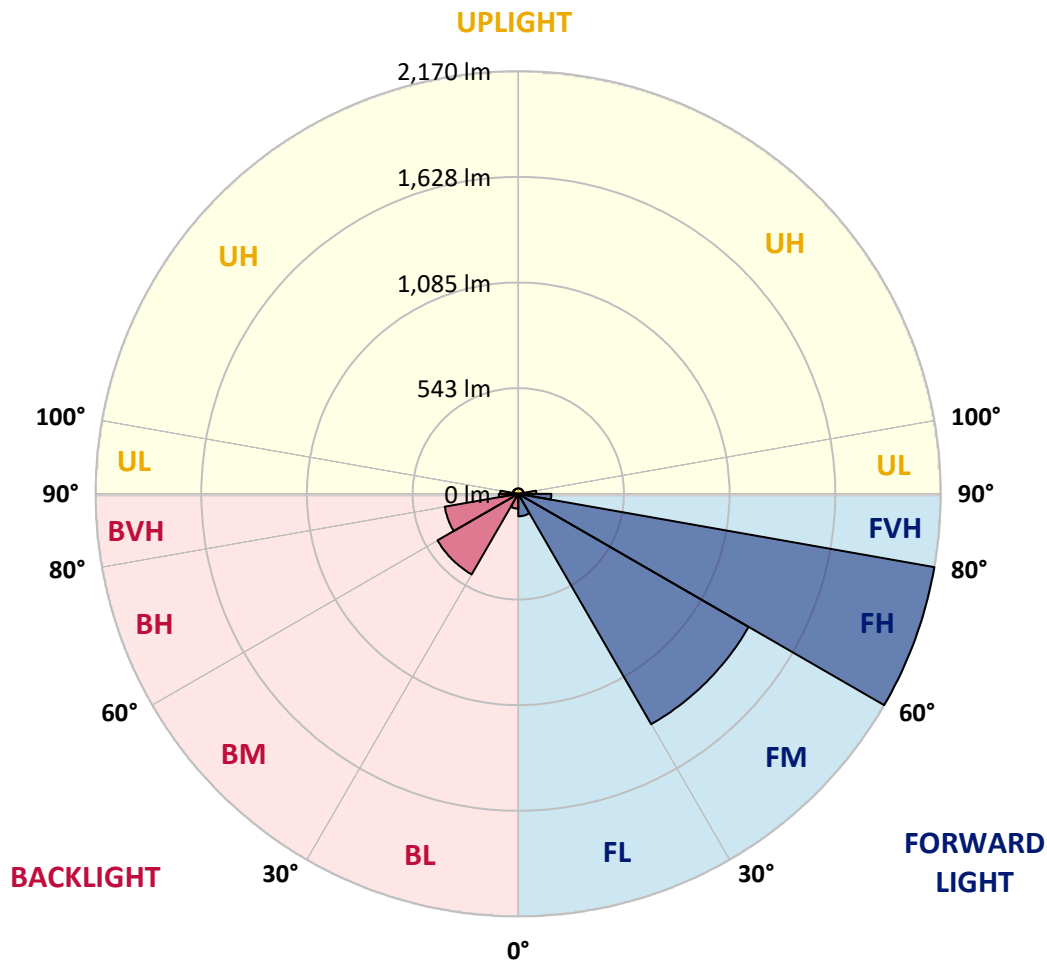


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.4	2.3			
FM (30°-60°)	1366.4	27.4			
FH (60°-80°)	2170.3	43.6			G2/5000
FVH (80°-90°)	169.8	3.4			G2/225
BL (0°-30°)	76.4	1.5	B0/110		
BM (30°-60°)	478.2	9.6	B1/1000		
BH (60°-80°)	383.3	7.7	B1/500		G1/500
BVH (80°-90°)	99.8	2.0			G1/100
UL (90°-100°)	92.7	1.9		U3/500	
UH (100°-180°)	27.8	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	5.2	5.2	3.5	3.5	5.2	3.5	3.5	3.5	3.5	3.5	3.5
10°	34.6	34.6	31.1	19.0	8.6	5.2	5.2	5.2	3.5	5.2	5.2
12.5°	143.6	143.6	133.2	124.6	38.1	22.5	15.6	8.6	15.6	22.5	29.4
15°	171.3	171.3	164.3	148.8	138.4	109.0	70.9	41.5	112.4	119.4	117.6
17.5°	311.4	268.1	212.8	185.1	155.7	141.9	159.2	129.7	141.9	145.3	143.6
20°	365.0	358.1	342.5	325.2	197.2	240.5	223.2	221.4	173.0	223.2	263.0
22.5°	394.4	394.4	368.5	346.0	351.2	276.8	261.2	250.8	288.9	314.9	313.1
25°	548.4	548.4	525.9	382.3	370.2	368.5	340.8	361.6	363.3	361.6	365.0
27.5°	581.3	576.1	555.3	508.6	411.7	420.4	427.3	403.1	448.1	524.2	519.0
30°	830.4	801.0	650.5	546.7	513.8	470.5	455.0	489.6	536.3	555.3	558.8
32.5°	963.6	953.2	884.0	728.3	569.2	548.4	519.0	546.7	557.0	683.3	735.2
35°	1112.4	1093.3	1032.8	823.5	688.5	577.8	565.7	550.1	659.1	716.2	766.4
37.5°	1224.8	1223.1	1169.5	937.6	764.6	636.6	596.8	612.4	681.6	750.8	797.5
40°	1321.7	1314.8	1290.5	1043.2	828.6	705.8	636.6	648.7	714.5	783.7	837.3
42.5°	1423.8	1418.6	1420.3	1131.4	910.0	775.0	692.0	683.3	754.3	837.3	897.8
45°	1541.4	1537.9	1532.7	1262.9	1001.6	845.9	762.9	738.7	833.8	904.8	977.4
47.5°	1591.6	1584.6	1621.0	1375.3	1103.7	944.6	840.8	811.4	922.1	1005.1	1105.4
50°	1655.6	1648.7	1671.1	1489.5	1224.8	1048.4	944.6	899.6	1029.3	1143.5	1273.2
52.5°	1776.7	1838.9	1750.7	1614.1	1392.6	1164.3	1048.4	1013.8	1172.9	1328.6	1548.3
55°	1922.0	1908.1	1861.4	1757.6	1546.6	1295.7	1162.5	1143.5	1364.9	1562.2	1832.0
57.5°	1949.7	1934.1	1972.2	1904.7	1724.8	1451.4	1294.0	1302.7	1558.7	1806.1	2150.3
60°	2013.7	2003.3	2074.2	2110.5	1908.1	1595.0	1430.7	1513.7	1757.6	2055.2	2458.3
62.5°	2081.1	2093.2	2198.8	2252.4	2031.0	1813.0	1617.5	1754.2	2062.1	2325.1	2731.6
65°	2070.8	2088.1	2306.0	2333.7	2181.5	2077.7	1849.3	2027.5	2342.4	2603.6	2930.5
67.5°	2018.9	2036.2	2332.0	2444.4	2387.3	2340.6	2114.0	2323.3	2601.9	2792.2	2992.8
70°	1911.6	1913.3	2205.7	2532.7	2639.9	2745.4	2477.3	2614.0	2856.2	2956.5	2838.9
72.5°	1546.6	1558.7	1833.8	2359.7	2825.0	3148.5	2889.0	2885.6	2992.8	2908.1	2335.4
75°	865.0	868.4	1121.0	1724.8	2572.4	3197.0	3036.1	2947.8	2840.6	2524.0	1650.4
77.5°	263.0	294.1	392.7	877.1	1800.9	2657.2	2614.0	2593.2	2375.2	1780.1	897.8
80°	133.2	138.4	176.5	302.7	930.7	1759.4	1797.4	1861.4	1480.8	768.1	416.9
82.5°	76.1	79.6	107.3	160.9	396.2	982.6	1079.5	1017.2	636.6	361.6	288.9
85°	38.1	38.1	50.2	74.4	185.1	389.2	451.5	365.0	275.1	238.7	233.5
87.5°	20.8	20.8	17.3	22.5	57.1	86.5	100.3	136.7	147.0	150.5	198.9
90°	22.5	22.5	17.3	19.0	41.5	77.8	110.7	133.2	136.7	143.6	202.4
92.5°	22.5	22.5	17.3	17.3	38.1	91.7	126.3	145.3	141.9	154.0	207.6
95°	22.5	20.8	15.6	17.3	32.9	98.6	119.4	154.0	136.7	138.4	173.0
97.5°	13.8	13.8	10.4	13.8	24.2	76.1	83.0	110.7	93.4	62.3	81.3
100°	10.4	10.4	6.9	10.4	13.8	36.3	34.6	53.6	41.5	13.8	20.8
102.5°	10.4	12.1	6.9	6.9	8.6	10.4	12.1	17.3	17.3	10.4	13.8
105°	12.1	12.1	5.2	5.2	5.2	5.2	6.9	6.9	6.9	8.6	13.8
107.5°	10.4	10.4	5.2	3.5	3.5	5.2	5.2	3.5	5.2	6.9	15.6
110°	6.9	6.9	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9	12.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.5	5.2	1.7	3.5	1.7	3.5	3.5	3.5	3.5	5.2	6.9
115°	5.2	3.5	1.7	1.7	1.7	3.5	3.5	3.5	3.5	5.2	6.9
117.5°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	8.6
120°	5.2	5.2	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	6.9
122.5°	5.2	5.2	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	6.9
125°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	5.2	6.9
127.5°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2	6.9
130°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	6.9
132.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	5.2
135°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
137.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
140°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
142.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
145°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5
150°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	1.7	1.7	1.7	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5	3.5
7.5°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	3.5	3.5
10°	5.2	5.2	3.5	3.5	3.5	1.7	3.5	3.5	3.5	3.5	3.5
12.5°	31.1	29.4	20.8	12.1	5.2	3.5	3.5	3.5	5.2	6.9	6.9
15°	119.4	115.9	112.4	102.1	29.4	6.9	5.2	15.6	60.5	84.8	98.6
17.5°	140.1	138.4	134.9	128.0	117.6	39.8	51.9	110.7	131.5	134.9	138.4
20°	257.8	252.6	195.5	147.0	134.9	141.9	124.6	138.4	145.3	150.5	155.7
22.5°	306.2	301.0	285.4	261.2	160.9	186.8	179.9	159.2	242.2	261.2	264.7
25°	358.1	349.5	316.6	290.6	268.1	207.6	223.2	252.6	273.3	287.2	287.2
27.5°	510.3	493.0	451.5	320.0	297.6	254.3	273.3	268.1	302.7	371.9	377.1
30°	551.9	532.8	474.0	396.2	316.6	294.1	282.0	346.0	391.0	406.5	411.7
32.5°	735.2	717.9	614.1	408.3	347.7	294.1	327.0	359.8	391.0	463.6	470.5
35°	771.6	743.9	636.6	470.5	346.0	307.9	328.7	366.8	453.2	486.1	493.0
37.5°	807.9	780.2	634.9	451.5	368.5	313.1	321.8	375.4	422.1	444.6	449.8
40°	858.1	816.5	622.8	420.4	351.2	301.0	318.3	352.9	380.6	387.5	392.7
42.5°	923.8	866.7	608.9	389.2	325.2	282.0	297.6	323.5	340.8	330.4	330.4
45°	1015.5	927.3	583.0	358.1	301.0	261.2	280.3	299.3	307.9	288.9	283.7
47.5°	1129.7	999.9	555.3	328.7	285.4	249.1	269.9	285.4	285.4	259.5	256.0
50°	1268.1	1089.9	519.0	304.5	268.1	242.2	259.5	273.3	264.7	238.7	237.0
52.5°	1479.1	1226.5	484.4	283.7	252.6	235.3	257.8	256.0	243.9	221.4	219.7
55°	1740.3	1404.7	453.2	268.1	242.2	223.2	252.6	245.7	231.8	211.1	211.1
57.5°	1999.8	1600.2	420.4	257.8	230.1	212.8	243.9	240.5	224.9	204.1	202.4
60°	2254.1	1780.1	371.9	249.1	214.5	202.4	233.5	242.2	221.4	200.7	200.7
62.5°	2460.0	1866.6	318.3	235.3	198.9	195.5	228.4	249.1	238.7	230.1	230.1
65°	2527.5	1814.7	276.8	224.9	188.6	190.3	230.1	275.1	278.5	288.9	290.6
67.5°	2480.8	1667.7	249.1	216.2	181.6	198.9	263.0	309.7	301.0	307.9	311.4
70°	2278.4	1451.4	233.5	205.9	181.6	212.8	288.9	309.7	297.6	318.3	320.0
72.5°	1849.3	1174.6	219.7	197.2	174.7	211.1	304.5	306.2	297.6	321.8	318.3
75°	1254.2	809.6	207.6	186.8	166.1	195.5	307.9	306.2	290.6	309.7	304.5
77.5°	633.2	411.7	192.0	174.7	154.0	186.8	304.5	307.9	287.2	302.7	297.6
80°	321.8	264.7	171.3	160.9	140.1	183.4	297.6	304.5	275.1	288.9	287.2
82.5°	247.4	207.6	143.6	140.1	128.0	179.9	287.2	294.1	261.2	271.6	264.7
85°	202.4	164.3	105.5	109.0	115.9	181.6	285.4	290.6	252.6	247.4	243.9
87.5°	171.3	126.3	51.9	55.4	84.8	162.6	243.9	240.5	197.2	195.5	198.9
90°	171.3	115.9	34.6	34.6	69.2	115.9	160.9	145.3	136.7	145.3	143.6
92.5°	169.5	105.5	36.3	36.3	77.8	128.0	181.6	150.5	140.1	143.6	141.9
95°	140.1	86.5	41.5	39.8	67.5	141.9	188.6	154.0	143.6	138.4	138.4
97.5°	70.9	48.4	39.8	39.8	53.6	115.9	150.5	121.1	91.7	76.1	81.3
100°	17.3	19.0	38.1	38.1	32.9	58.8	83.0	74.4	38.1	19.0	17.3
102.5°	13.8	12.1	29.4	32.9	20.8	20.8	38.1	43.2	29.4	8.6	8.6
105°	13.8	12.1	13.8	17.3	10.4	8.6	13.8	24.2	13.8	8.6	8.6
107.5°	15.6	13.8	6.9	6.9	6.9	6.9	6.9	8.6	6.9	8.6	8.6
110°	13.8	12.1	6.9	6.9	5.2	6.9	5.2	6.9	6.9	8.6	8.6

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	8.6	5.2	5.2	5.2	5.2	5.2	5.2	6.9	8.6	8.6
115°	8.6	8.6	5.2	5.2	3.5	5.2	5.2	5.2	6.9	10.4	10.4
117.5°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	5.2	6.9	10.4	10.4
120°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	10.4	10.4
122.5°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	10.4	10.4
125°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	5.2	10.4	10.4
127.5°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	5.2	8.6	10.4
130°	6.9	6.9	3.5	3.5	1.7	1.7	3.5	3.5	5.2	8.6	8.6
132.5°	5.2	5.2	3.5	1.7	1.7	1.7	3.5	3.5	5.2	8.6	8.6
135°	5.2	3.5	3.5	1.7	1.7	1.7	1.7	3.5	5.2	6.9	6.9
137.5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
140°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
142.5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
145°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
147.5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
150°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2
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)