

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: P695892

Luminaire Tested: **LXF.LXT-PA16-730-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695892  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-730-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6743 lumens  
Efficiency: N/A  
Efficacy: 93.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U3 - G2

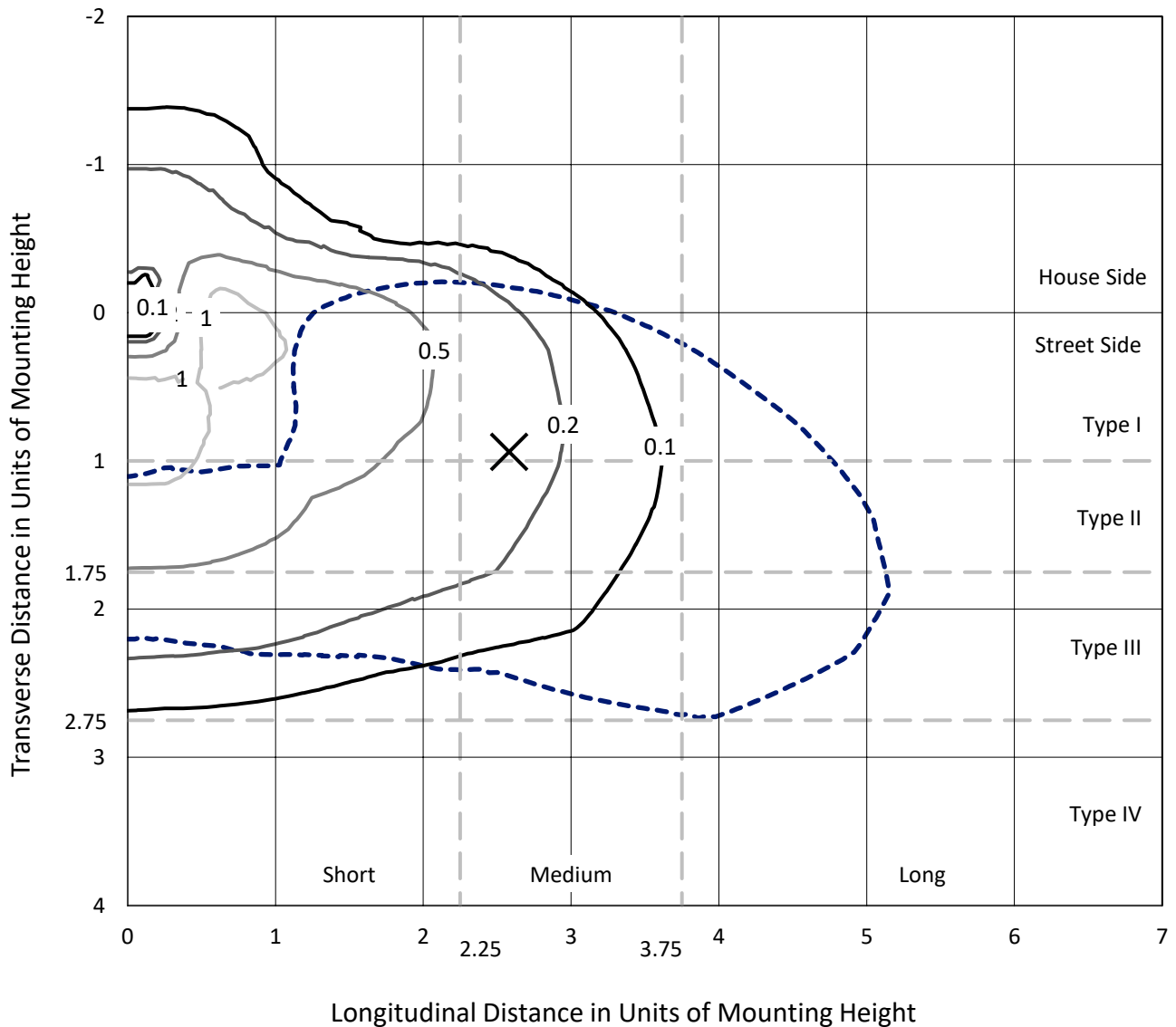
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

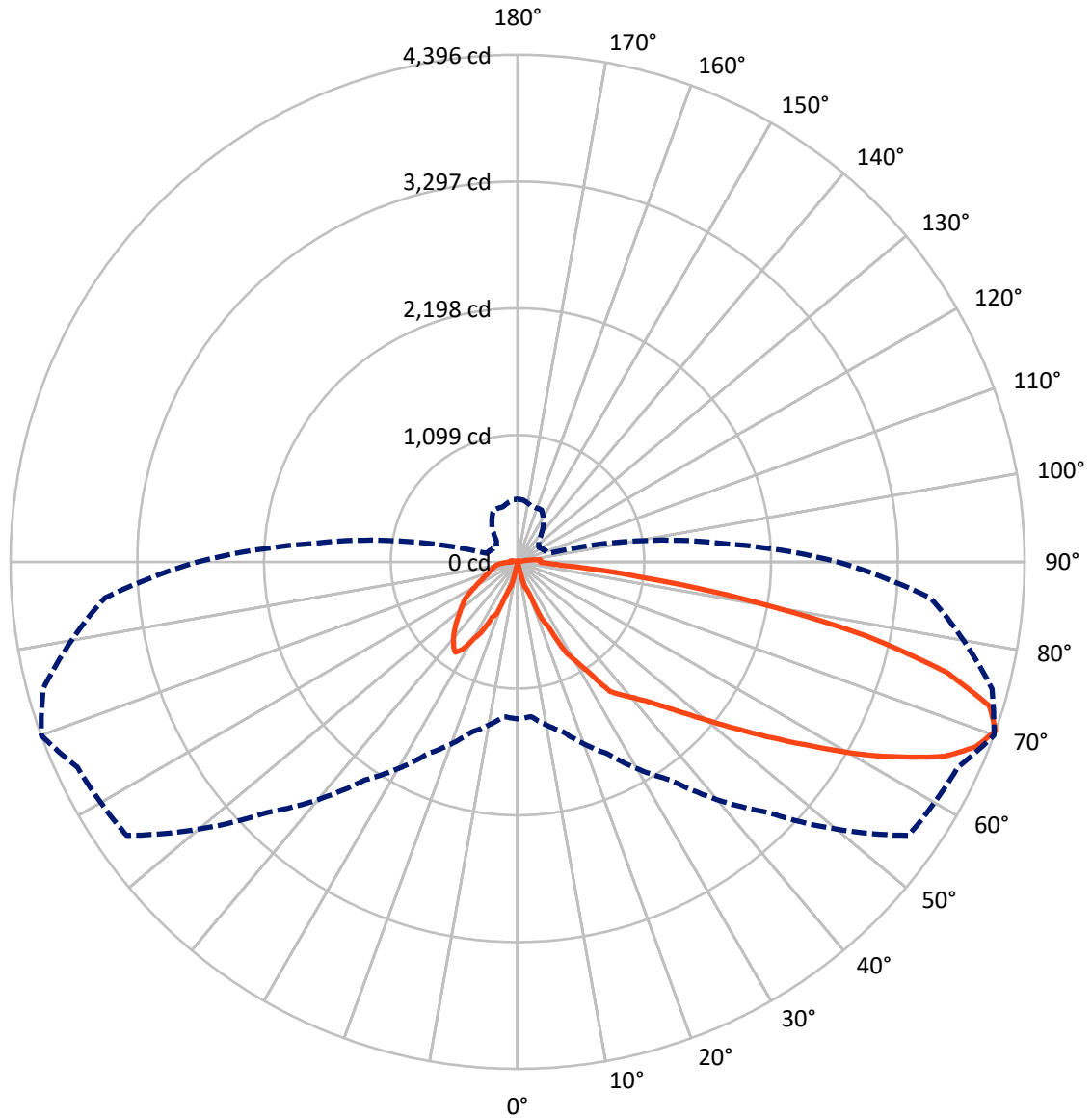
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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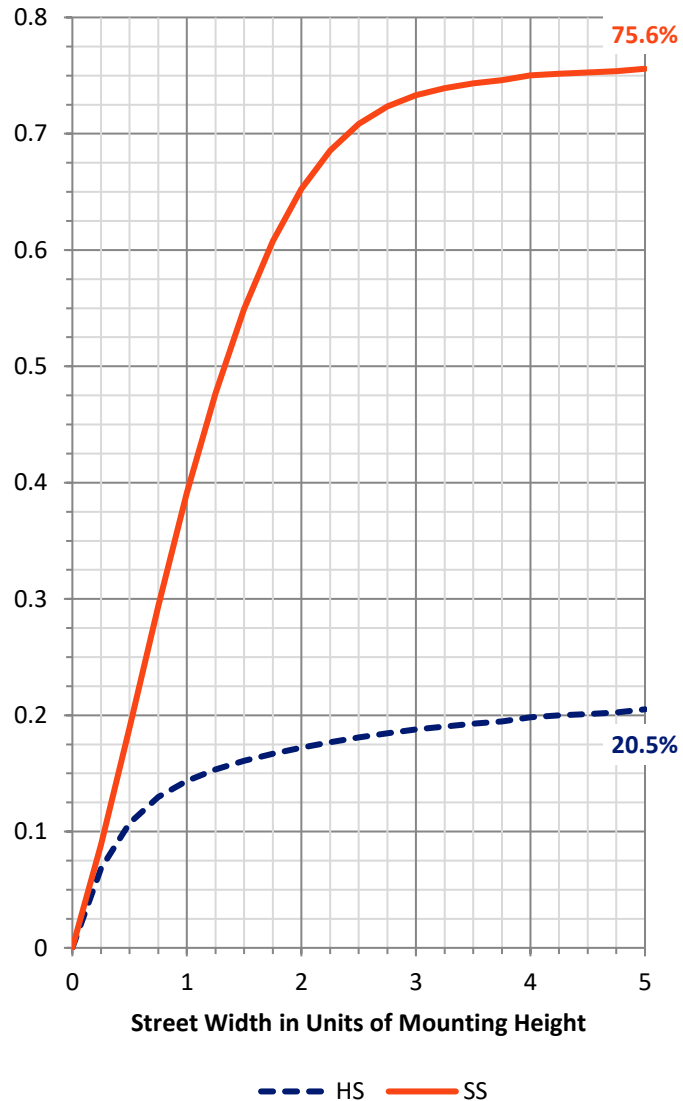
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1467.3	72.7	1540.0
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	5139.0	64.0	5203.0
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	6606.3	136.7	6743.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	48.1	0.7
20°-30°	275.5	4.1
30°-40°	636.0	9.4
40°-50°	931.7	13.8
50°-60°	1377.9	20.4
60°-70°	1807.2	26.8
70°-80°	1227.4	18.2
80°-90°	301.9	4.5
90°-100°	99.2	1.5
100°-110°	17.7	0.3
110°-120°	7.0	0.1
120°-130°	5.6	0.1
130°-140°	3.9	0.1
140°-150°	3.0	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6606.3	98.0
0°-180°	6743.0	100.0

**Coefficient of Utilization**

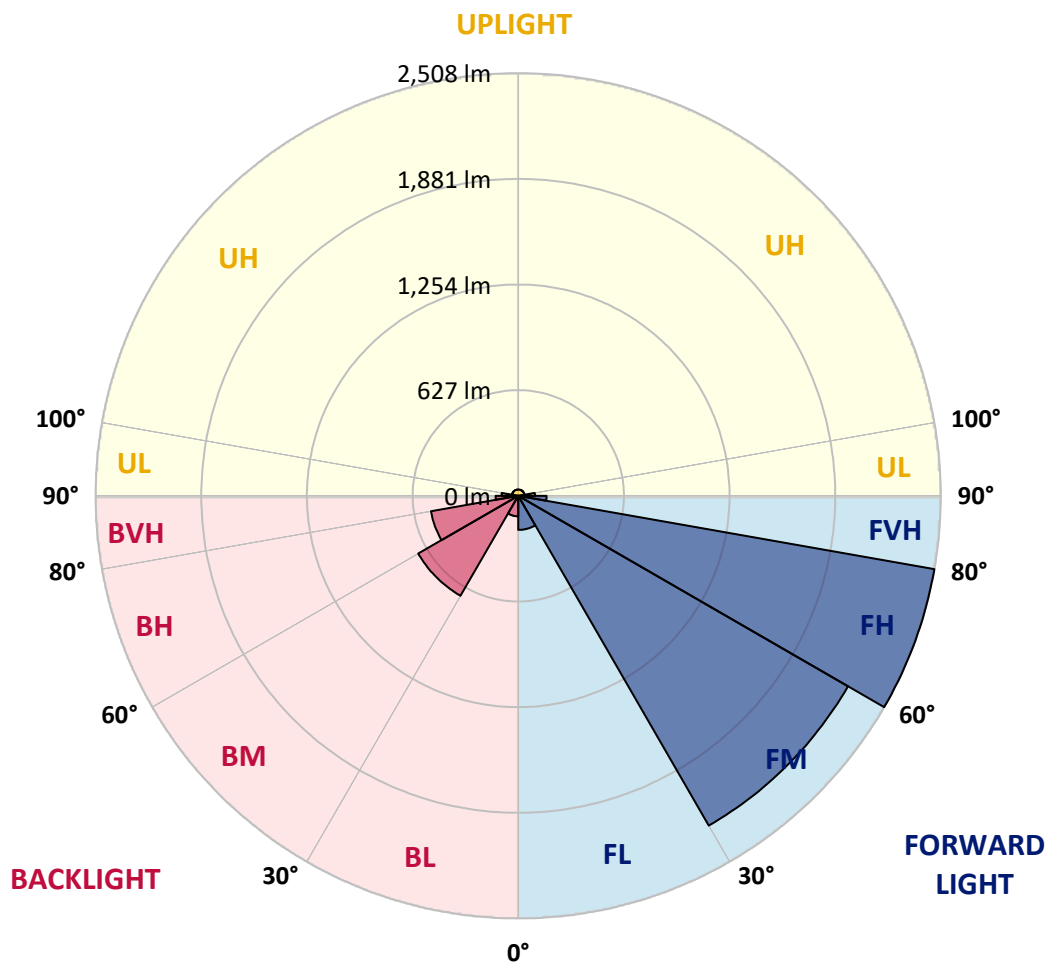


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.5	3.0			
FM (30°-60°)	2260.3	33.5			
FH (60°-80°)	2508.5	37.2			G2/5000
FVH (80°-90°)	167.8	2.5			G2/225
BL (0°-30°)	121.7	1.8	B1/500		
BM (30°-60°)	685.3	10.2	B1/1000		
BH (60°-80°)	526.1	7.8	B2/1000		G2/1000
BVH (80°-90°)	134.2	2.0			G2/225
UL (90°-100°)	99.2	1.5		U3/500	
UH (100°-180°)	37.5	0.6		U2/50	

**BUG Rating: B2-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	7.1	7.1	4.7	4.7	4.7	4.7	4.7
7.5°	7.1	4.7	4.7	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7
10°	40.1	42.5	28.3	16.5	11.8	7.1	7.1	7.1	7.1	7.1	7.1
12.5°	217.1	214.7	210.0	146.3	51.9	16.5	11.8	21.2	26.0	33.0	47.2
15°	245.4	247.8	240.7	238.3	224.2	85.0	44.8	198.2	217.1	219.5	219.5
17.5°	342.2	339.8	306.8	269.0	252.5	261.9	210.0	236.0	245.4	250.1	252.5
20°	575.8	573.4	566.4	483.8	311.5	382.3	370.5	280.8	297.3	382.3	486.1
22.5°	641.9	637.1	627.7	604.1	625.3	436.6	424.8	493.2	535.7	561.6	559.3
25°	984.0	993.5	818.8	679.6	691.4	597.0	641.9	637.1	625.3	630.1	637.1
27.5°	1094.9	1085.5	1071.3	1002.9	769.3	811.8	731.5	814.1	889.6	932.1	920.3
30°	1404.1	1401.7	1234.2	1116.2	1010.0	880.2	910.9	1026.5	1000.6	1007.6	969.9
32.5°	1640.1	1637.7	1614.1	1378.1	1144.5	995.8	1080.8	1085.5	1151.6	1281.4	1293.2
35°	1732.1	1722.6	1706.1	1533.9	1302.6	1172.8	1142.1	1342.7	1380.5	1385.2	1352.2
37.5°	1826.5	1814.7	1800.5	1609.4	1458.4	1243.6	1309.7	1463.1	1463.1	1493.7	1411.2
40°	1880.8	1880.8	1878.4	1673.1	1529.1	1307.3	1392.3	1555.1	1550.4	1571.6	1493.7
42.5°	1949.2	1942.1	1968.1	1739.2	1602.3	1373.4	1472.5	1642.4	1656.6	1710.8	1604.7
45°	2045.9	2055.4	2067.2	1880.8	1701.4	1470.2	1566.9	1779.3	1793.4	1866.6	1765.1
47.5°	2152.1	2163.9	2206.4	2029.4	1861.9	1592.9	1647.1	1935.0	1968.1	2057.7	1968.1
50°	2284.3	2286.6	2348.0	2178.1	2067.2	1767.5	1793.4	2086.1	2173.4	2253.6	2199.3
52.5°	2378.7	2388.1	2463.6	2369.2	2256.0	1977.5	2005.8	2281.9	2418.8	2517.9	2449.5
55°	2461.3	2468.3	2539.1	2515.5	2414.1	2138.0	2281.9	2546.2	2699.6	2784.6	2756.2
57.5°	2491.9	2499.0	2605.2	2624.1	2574.5	2340.9	2572.2	2808.2	3013.5	3107.8	3060.6
60°	2470.7	2470.7	2600.5	2702.0	2751.5	2565.1	2878.9	3103.1	3381.6	3445.3	3461.8
62.5°	2399.9	2418.8	2576.9	2735.0	2878.9	2784.6	3190.4	3468.9	3726.1	3785.1	3747.3
65°	2244.2	2248.9	2416.4	2664.2	2893.1	3022.9	3589.2	3778.0	4068.3	4047.0	3886.6
67.5°	1949.2	1916.2	2062.5	2411.7	2737.4	3145.6	3922.0	4040.0	4283.0	4212.2	3851.2
70°	1361.6	1347.4	1526.8	1833.6	2307.9	3074.8	4136.7	4212.2	4396.3	4259.4	3594.0
72.5°	646.6	698.5	788.2	1050.1	1599.9	2595.8	4077.7	4195.7	4278.3	4122.6	3122.0
75°	283.2	290.3	337.5	476.7	823.6	1640.1	3568.0	3768.6	3851.2	3674.2	2458.9
77.5°	202.9	202.9	224.2	259.6	375.2	783.5	2430.6	2985.1	3091.3	2919.1	1722.6
80°	158.1	158.1	174.6	198.2	233.6	323.3	1515.0	2001.1	2038.9	1784.0	960.4
82.5°	118.0	122.7	136.9	148.7	172.3	221.8	648.9	1028.9	1054.8	828.3	502.6
85°	85.0	85.0	94.4	94.4	113.3	172.3	335.1	377.6	375.2	332.7	311.5
87.5°	28.3	28.3	23.6	28.3	47.2	108.6	210.0	212.4	202.9	231.3	261.9
90°	33.0	33.0	23.6	26.0	35.4	99.1	202.9	202.9	193.5	207.7	261.9
92.5°	35.4	35.4	26.0	26.0	30.7	87.3	205.3	214.7	202.9	210.0	259.6
95°	35.4	35.4	26.0	23.6	28.3	59.0	198.2	198.2	191.1	186.4	205.3
97.5°	21.2	21.2	16.5	18.9	23.6	30.7	118.0	122.7	108.6	85.0	110.9
100°	14.2	14.2	11.8	14.2	16.5	16.5	56.6	59.0	44.8	21.2	23.6
102.5°	14.2	14.2	9.4	11.8	9.4	9.4	16.5	21.2	14.2	14.2	18.9
105°	14.2	16.5	7.1	7.1	7.1	7.1	7.1	14.2	11.8	11.8	18.9
107.5°	14.2	14.2	7.1	7.1	7.1	7.1	4.7	7.1	9.4	11.8	21.2
110°	7.1	9.4	4.7	7.1	4.7	7.1	4.7	7.1	9.4	9.4	16.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	4.7	4.7	2.4	4.7	4.7	4.7	4.7	7.1	7.1	7.1	11.8
115°	4.7	4.7	2.4	2.4	2.4	4.7	4.7	4.7	7.1	7.1	11.8
117.5°	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7	7.1	11.8
120°	7.1	4.7	2.4	2.4	2.4	2.4	4.7	4.7	7.1	7.1	11.8
122.5°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
125°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
127.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
130°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	9.4
132.5°	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7	9.4
135°	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7	7.1
137.5°	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.1	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
150°	7.1	7.1	7.1	4.7	4.7	2.4	4.7	4.7	4.7	4.7	7.1
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1
5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
7.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
10°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
12.5°	42.5	42.5	33.0	16.5	7.1	4.7	4.7	4.7	7.1	11.8	9.4
15°	224.2	224.2	219.5	200.6	42.5	11.8	9.4	21.2	94.4	169.9	172.3
17.5°	257.2	254.9	250.1	238.3	212.4	75.5	73.2	198.2	212.4	221.8	224.2
20°	483.8	479.0	370.5	264.3	231.3	228.9	200.6	224.2	231.3	236.0	238.3
22.5°	552.2	545.1	519.2	457.8	264.3	311.5	292.6	243.1	363.4	389.4	389.4
25°	634.8	615.9	564.0	493.2	450.7	328.0	337.5	354.0	375.2	379.9	379.9
27.5°	903.8	887.3	811.8	542.8	483.8	387.0	391.7	358.7	377.6	431.8	438.9
30°	946.3	920.3	851.9	670.2	502.6	434.2	375.2	420.0	441.3	438.9	441.3
32.5°	1260.1	1234.2	1094.9	689.1	540.4	408.2	410.6	420.0	434.2	457.8	474.3
35°	1309.7	1281.4	1123.3	783.5	516.8	405.9	405.9	424.8	488.5	497.9	497.9
37.5°	1364.0	1340.4	1111.5	731.5	521.5	405.9	394.1	434.2	460.2	457.8	457.8
40°	1458.4	1420.6	1080.8	667.8	474.3	389.4	394.1	408.2	422.4	408.2	401.2
42.5°	1569.3	1500.8	1040.7	601.7	436.6	368.1	372.8	377.6	377.6	351.6	349.2
45°	1710.8	1583.4	986.4	540.4	401.2	342.2	354.0	346.9	346.9	325.7	323.3
47.5°	1871.3	1668.4	920.3	486.1	370.5	318.6	335.1	328.0	332.7	313.9	311.5
50°	2057.7	1779.3	856.6	446.0	344.5	306.8	316.2	325.7	332.7	309.1	306.8
52.5°	2253.6	1887.8	811.8	401.2	320.9	292.6	323.3	325.7	330.4	306.8	306.8
55°	2494.3	2022.3	757.5	368.1	304.4	280.8	339.8	339.8	332.7	311.5	309.1
57.5°	2753.9	2156.8	656.0	337.5	290.3	273.7	346.9	358.7	342.2	316.2	316.2
60°	2994.6	2291.4	540.4	313.9	276.1	271.4	351.6	368.1	354.0	330.4	330.4
62.5°	3178.6	2357.4	453.1	295.0	259.6	264.3	349.2	387.0	382.3	370.5	370.5
65°	3199.9	2298.4	379.9	278.5	245.4	261.9	344.5	405.9	408.2	427.1	429.5
67.5°	3086.6	2109.7	323.3	264.3	233.6	254.9	346.9	446.0	457.8	493.2	488.5
70°	2775.1	1802.9	280.8	247.8	224.2	257.2	389.4	495.6	493.2	538.0	542.8
72.5°	2317.3	1427.7	254.9	238.3	228.9	276.1	438.9	509.7	500.3	549.8	545.1
75°	1758.0	1007.6	233.6	226.5	221.8	280.8	450.7	495.6	476.7	509.7	505.0
77.5°	1156.3	663.1	212.4	212.4	214.7	269.0	431.8	472.0	448.4	469.6	467.2
80°	651.3	394.1	191.1	200.6	205.3	257.2	403.5	438.9	415.3	431.8	431.8
82.5°	391.7	280.8	167.5	184.1	188.8	254.9	377.6	408.2	387.0	396.4	384.6
85°	266.7	205.3	132.1	155.7	177.0	245.4	356.3	377.6	339.8	332.7	323.3
87.5°	217.1	160.5	73.2	99.1	132.1	210.0	283.2	285.5	250.1	245.4	243.1
90°	212.4	148.7	51.9	54.3	87.3	146.3	186.4	179.3	167.5	169.9	167.5
92.5°	207.7	141.6	56.6	59.0	87.3	115.6	158.1	155.7	143.9	155.7	153.4
95°	177.0	122.7	59.0	63.7	75.5	70.8	115.6	122.7	113.3	120.3	122.7
97.5°	92.0	66.1	56.6	63.7	56.6	42.5	68.4	77.9	59.0	47.2	51.9
100°	30.7	21.2	56.6	66.1	42.5	30.7	49.6	56.6	35.4	14.2	14.2
102.5°	18.9	18.9	40.1	51.9	30.7	16.5	33.0	40.1	26.0	11.8	11.8
105°	18.9	18.9	16.5	28.3	11.8	9.4	11.8	21.2	14.2	11.8	11.8
107.5°	21.2	18.9	9.4	9.4	9.4	7.1	7.1	9.4	9.4	11.8	11.8
110°	18.9	16.5	9.4	9.4	7.1	7.1	7.1	7.1	9.4	14.2	14.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	14.2	9.4	7.1	7.1	7.1	7.1	7.1	9.4	14.2	14.2
115°	11.8	11.8	7.1	7.1	4.7	7.1	7.1	7.1	9.4	14.2	16.5
117.5°	14.2	11.8	7.1	4.7	4.7	4.7	4.7	7.1	9.4	16.5	16.5
120°	14.2	11.8	7.1	7.1	4.7	4.7	4.7	7.1	9.4	16.5	18.9
122.5°	14.2	11.8	7.1	4.7	4.7	4.7	4.7	7.1	9.4	16.5	18.9
125°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	7.1	9.4	16.5	16.5
127.5°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	7.1	9.4	16.5	16.5
130°	11.8	9.4	7.1	4.7	4.7	4.7	4.7	7.1	9.4	14.2	16.5
132.5°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	4.7	9.4	14.2	14.2
135°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	7.1	9.4	11.8
137.5°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	7.1	7.1	9.4
140°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	7.1	7.1
142.5°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	7.1	7.1
145°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	7.1	7.1
147.5°	7.1	4.7	4.7	4.7	2.4	2.4	4.7	4.7	4.7	7.1	7.1
150°	7.1	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	7.1	7.1
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)