

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: P695877

Luminaire Tested: **LXF.LXT-PA16-730-U-SL3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695877  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6446 lumens  
Efficiency: N/A  
Efficacy: 89.5 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

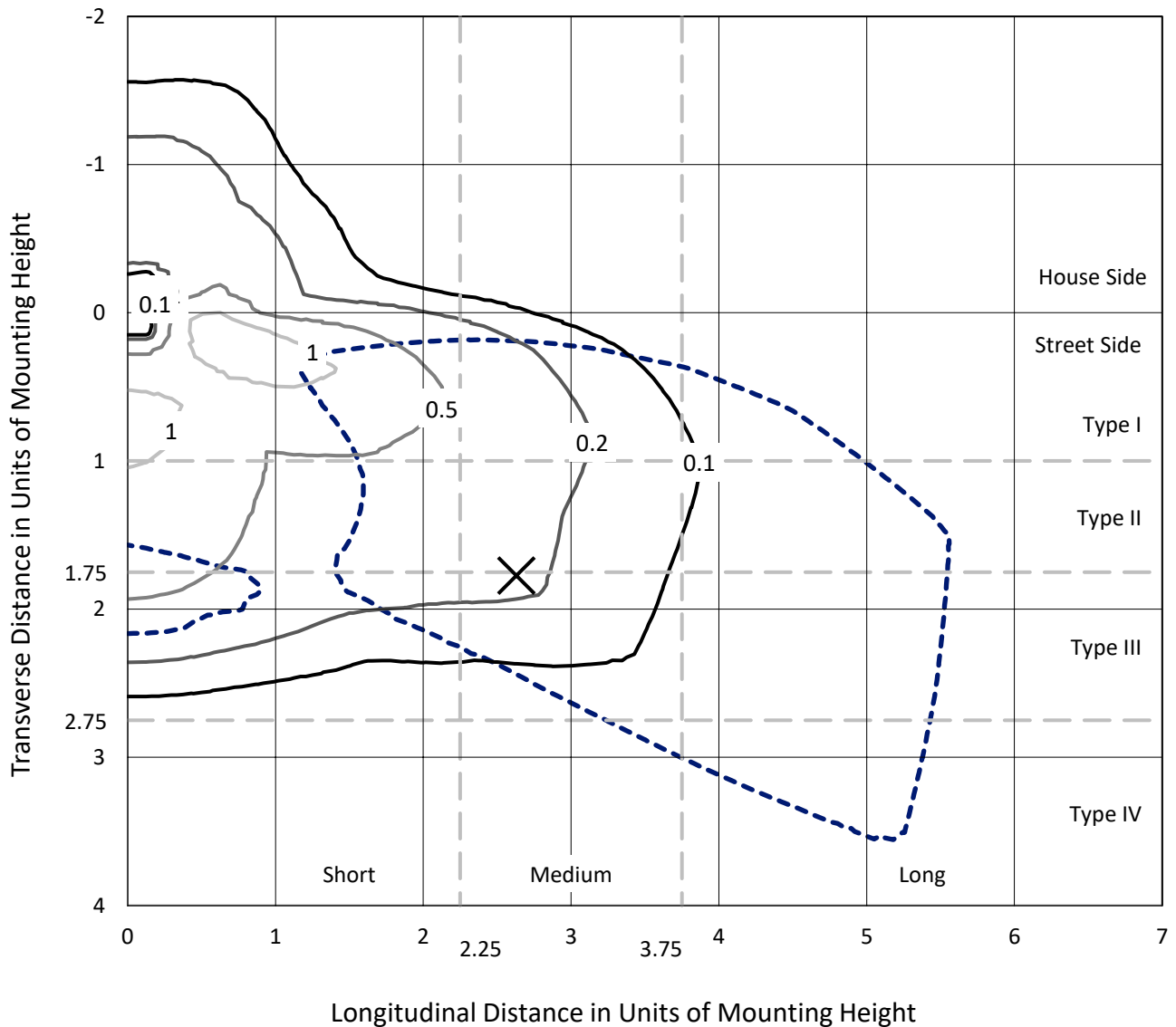
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

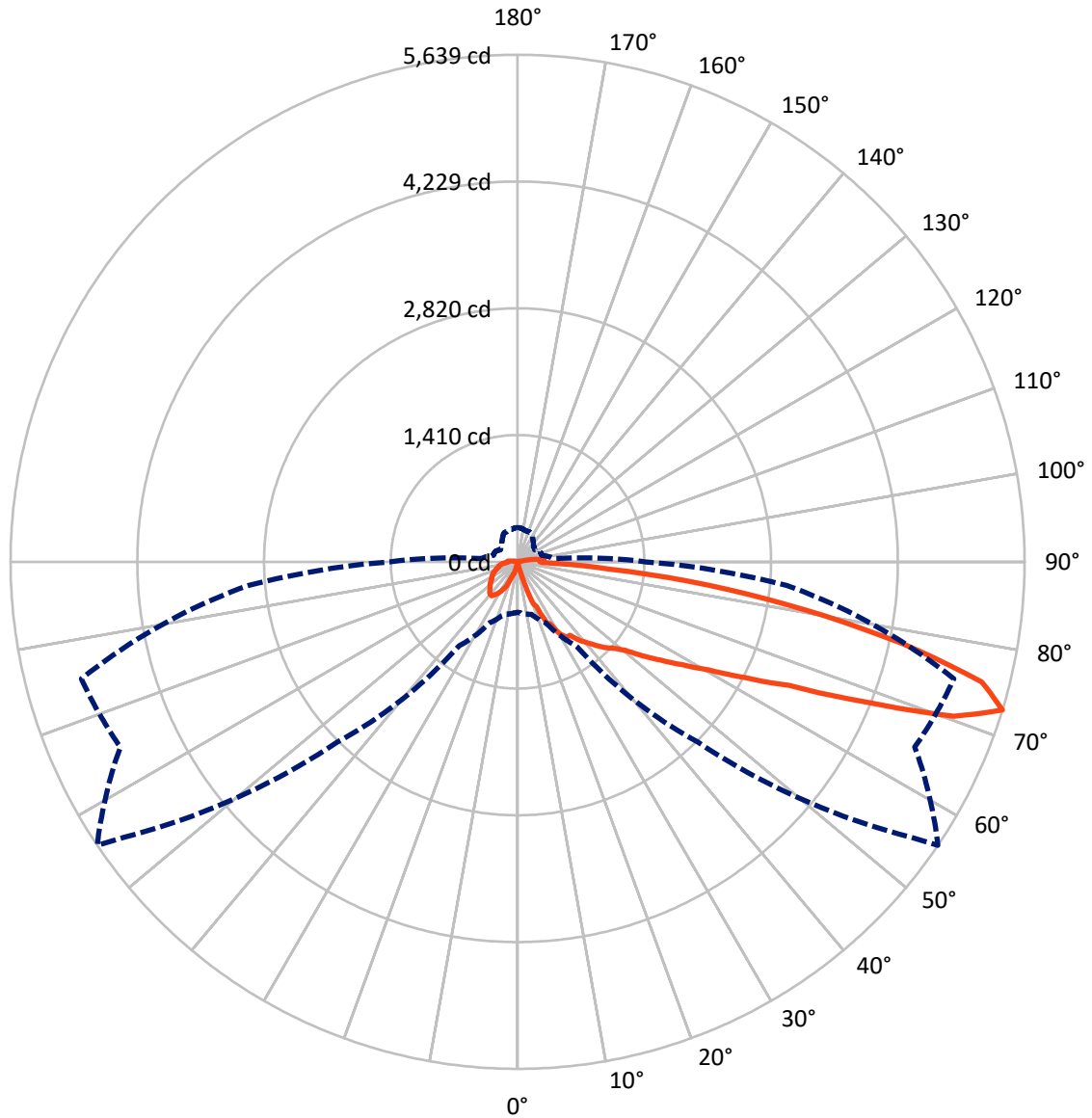
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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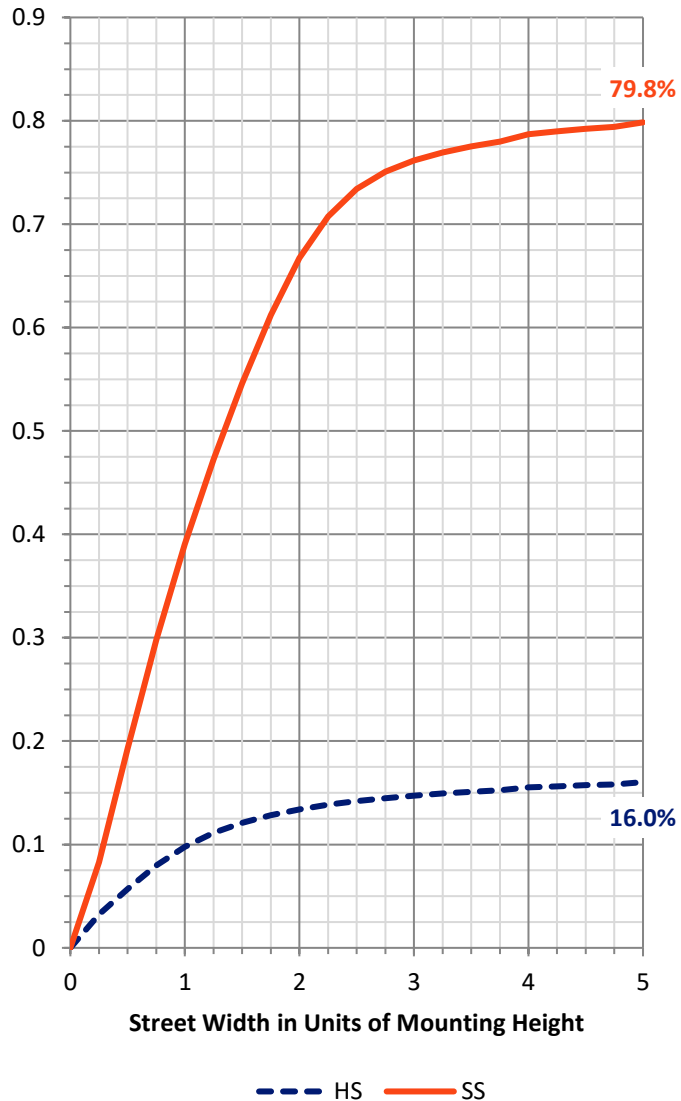
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1101.1	69.8	1170.9
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	5201.5	73.5	5275.1
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	6302.7	143.3	6446.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	53.0	0.8
20°-30°	249.1	3.9
30°-40°	548.6	8.5
40°-50°	822.6	12.8
50°-60°	1211.4	18.8
60°-70°	1682.1	26.1
70°-80°	1355.3	21.0
80°-90°	379.7	5.9
90°-100°	102.3	1.6
100°-110°	19.7	0.3
110°-120°	7.7	0.1
120°-130°	6.0	0.1
130°-140°	4.1	0.1
140°-150°	3.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6302.7	97.8
0°-180°	6446.0	100.0

**Coefficient of Utilization**

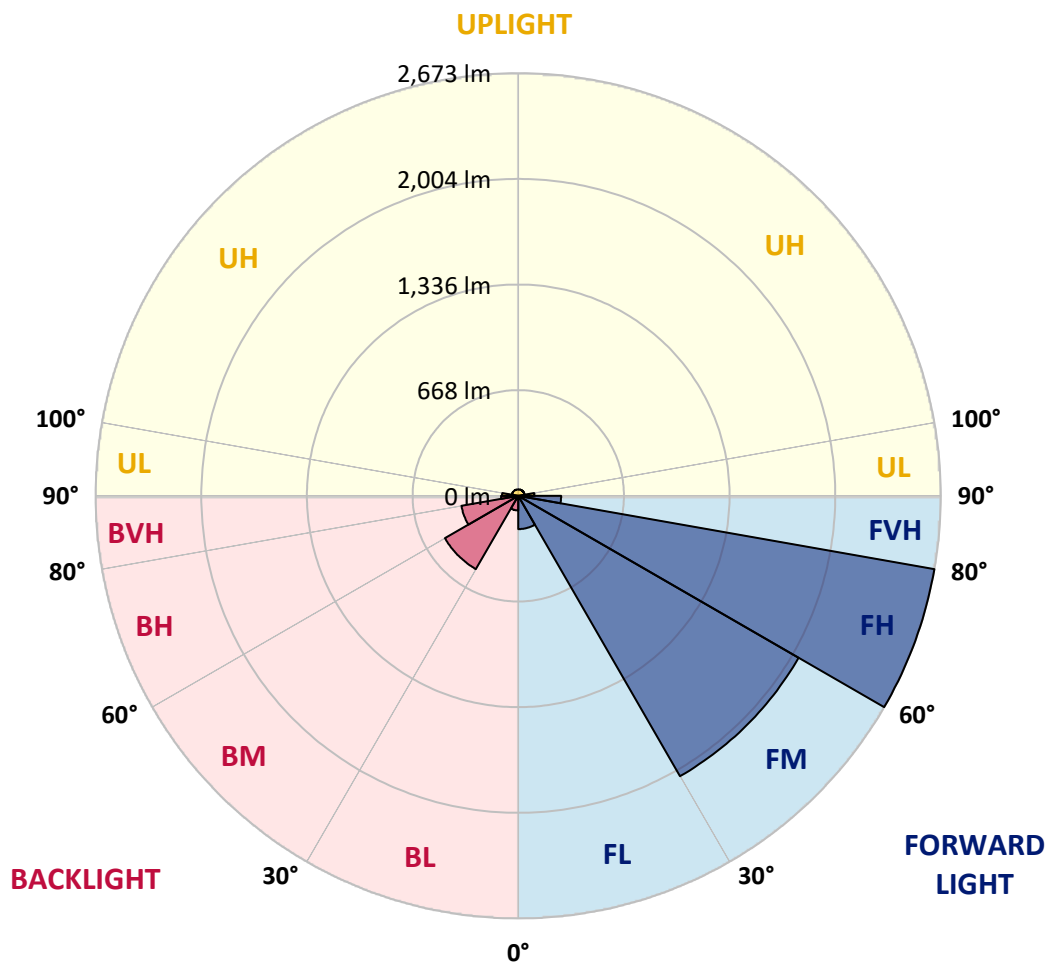


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.5	3.3			
FM (30°-60°)	2047.3	31.8			
FH (60°-80°)	2672.7	41.5			G2/5000
FVH (80°-90°)	271.1	4.2			G3/500
BL (0°-30°)	92.5	1.4	B0/110		
BM (30°-60°)	535.3	8.3	B1/1000		
BH (60°-80°)	364.7	5.7	B1/500		G1/500
BVH (80°-90°)	108.7	1.7			G2/225
UL (90°-100°)	102.3	1.6		U3/500	
UH (100°-180°)	41.0	0.6		U2/50	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
5°	7.1	7.1	7.1	7.1	9.4	9.4	7.1	7.1	7.1	7.1	7.1
7.5°	11.8	11.8	9.4	9.4	9.4	9.4	9.4	9.4	7.1	7.1	7.1
10°	68.5	66.1	59.0	40.1	23.6	11.8	9.4	9.4	9.4	9.4	11.8
12.5°	299.8	297.4	299.8	280.9	75.5	40.1	18.9	18.9	28.3	37.8	49.6
15°	316.3	318.7	318.7	309.2	309.2	132.2	73.2	101.5	290.3	316.3	309.2
17.5°	415.4	401.3	344.6	330.5	337.5	335.2	290.3	290.3	337.5	356.4	351.7
20°	488.6	488.6	491.0	486.2	361.1	462.6	498.0	500.4	398.9	552.3	597.2
22.5°	547.6	552.3	528.7	509.8	550.0	479.2	540.5	540.5	675.1	757.7	727.0
25°	760.0	757.7	715.2	571.2	571.2	580.7	734.1	748.2	845.0	842.7	809.6
27.5°	875.7	875.7	828.5	743.5	632.6	663.3	755.3	788.4	958.3	1218.0	1102.3
30°	1182.6	1187.3	1083.4	887.5	764.8	705.8	875.7	934.7	1201.4	1279.3	1144.8
32.5°	1272.3	1274.6	1281.7	1135.3	885.1	783.7	956.0	998.4	1288.8	1619.2	1442.2
35°	1298.2	1302.9	1302.9	1199.1	1109.4	911.1	972.5	1003.2	1534.3	1706.6	1444.6
37.5°	1383.2	1380.8	1361.9	1241.6	1196.7	1007.9	1074.0	1104.7	1635.8	1836.4	1437.5
40°	1503.6	1503.6	1472.9	1324.2	1232.1	1107.0	1144.8	1177.8	1753.8	1989.8	1442.2
42.5°	1642.8	1631.0	1595.6	1418.6	1288.8	1168.4	1239.2	1267.5	1876.5	2183.4	1449.3
45°	1810.4	1798.6	1727.8	1550.8	1387.9	1194.4	1307.7	1361.9	2015.8	2388.7	1491.8
47.5°	1970.9	1966.2	1886.0	1683.0	1487.0	1232.1	1359.6	1435.1	2183.4	2650.7	1574.4
50°	2169.2	2145.6	2041.7	1812.8	1576.7	1305.3	1494.1	1543.7	2360.4	2903.3	1699.5
52.5°	2348.6	2306.1	2197.5	1945.0	1685.3	1406.8	1699.5	1732.5	2563.4	3167.6	1843.5
55°	2523.3	2461.9	2313.2	2081.9	1789.2	1524.8	1921.4	1928.4	2794.7	3439.1	2020.5
57.5°	2785.3	2721.5	2506.7	2209.3	1926.1	1675.9	2136.2	2159.8	3023.7	3743.6	2228.2
60°	3148.8	3103.9	2844.3	2511.5	2169.2	1876.5	2393.4	2440.6	3250.3	4048.1	2433.6
62.5°	3288.0	3236.1	3040.2	2808.9	2516.2	2237.7	2712.1	2839.6	3455.6	4354.9	2672.0
65°	2910.4	2910.4	2806.5	2820.7	2733.3	2815.9	3165.3	3314.0	3696.4	4598.0	2877.3
67.5°	1893.0	1902.5	1968.6	2249.5	2561.0	3283.3	3946.6	4151.9	4062.2	4860.0	3049.6
70°	859.2	892.2	1036.2	1425.7	1949.7	3311.6	4845.9	5145.7	4487.1	5039.4	3111.0
72.5°	561.8	573.6	606.6	753.0	1147.2	2837.2	5343.9	5639.0	4874.2	5022.9	3000.1
75°	469.7	462.6	481.5	533.4	578.3	1947.3	5084.3	5329.8	4824.6	4725.5	2731.0
77.5°	389.5	382.4	401.3	429.6	342.3	1069.3	4227.5	4369.1	4173.2	4038.6	2228.2
80°	299.8	299.8	309.2	347.0	250.2	519.3	3141.7	3247.9	3089.8	2884.4	1333.6
82.5°	205.4	203.0	224.2	266.7	200.6	299.8	2145.6	2148.0	1845.8	1404.4	627.9
85°	92.1	92.1	110.9	153.4	118.0	186.5	979.6	1015.0	627.9	448.5	280.9
87.5°	30.7	30.7	33.0	37.8	40.1	87.3	273.8	278.5	243.1	276.2	207.7
90°	28.3	28.3	28.3	28.3	30.7	85.0	245.5	245.5	217.2	257.3	207.7
92.5°	28.3	28.3	26.0	23.6	26.0	77.9	271.4	292.7	238.4	269.1	217.2
95°	28.3	28.3	23.6	21.2	23.6	56.6	271.4	290.3	250.2	233.7	195.9
97.5°	18.9	18.9	16.5	16.5	18.9	33.0	198.3	205.4	160.5	118.0	118.0
100°	16.5	16.5	11.8	11.8	14.2	18.9	106.2	113.3	77.9	37.8	37.8
102.5°	16.5	16.5	9.4	9.4	9.4	11.8	30.7	33.0	28.3	16.5	18.9
105°	18.9	18.9	9.4	7.1	7.1	9.4	14.2	14.2	16.5	14.2	18.9
107.5°	16.5	16.5	7.1	7.1	7.1	7.1	7.1	7.1	9.4	14.2	18.9
110°	11.8	9.4	7.1	7.1	4.7	7.1	7.1	7.1	7.1	11.8	16.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	7.1	7.1	4.7	4.7	4.7	7.1	4.7	4.7	7.1	9.4	14.2
115°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	11.8
117.5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.4	14.2
120°	7.1	7.1	4.7	2.4	4.7	4.7	4.7	4.7	4.7	9.4	14.2
122.5°	7.1	7.1	4.7	2.4	4.7	4.7	4.7	4.7	4.7	9.4	14.2
125°	7.1	7.1	4.7	2.4	4.7	2.4	4.7	4.7	4.7	9.4	11.8
127.5°	7.1	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	7.1	11.8
130°	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	7.1	11.8
132.5°	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	7.1	9.4
135°	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7	4.7	4.7	7.1
137.5°	4.7	4.7	4.7	2.4	4.7	4.7	4.7	4.7	4.7	4.7	7.1
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1
147.5°	4.7	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1
150°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
2.5°	7.1	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1	7.1	7.1
5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
7.5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
10°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
12.5°	56.6	49.6	37.8	21.2	9.4	4.7	4.7	4.7	7.1	9.4	9.4
15°	295.0	276.2	221.9	146.3	47.2	11.8	7.1	21.2	66.1	89.7	87.3
17.5°	337.5	309.2	231.3	160.5	129.8	59.0	61.4	110.9	129.8	139.3	136.9
20°	583.0	481.5	285.6	186.5	151.1	141.6	125.1	141.6	160.5	172.3	174.7
22.5°	663.3	552.3	339.9	278.5	193.6	200.6	186.5	179.4	254.9	273.8	278.5
25°	717.6	573.6	356.4	313.9	295.0	233.7	257.3	264.4	295.0	306.9	309.2
27.5°	920.6	675.1	439.0	358.8	330.5	295.0	304.5	304.5	337.5	394.2	396.5
30°	908.8	634.9	460.3	420.1	370.6	347.0	332.8	387.1	429.6	441.4	443.8
32.5°	1064.5	686.9	514.6	443.8	413.1	368.2	394.2	424.9	450.8	483.9	502.8
35°	974.8	620.8	535.8	498.0	436.7	403.6	427.2	455.6	542.9	571.2	571.2
37.5°	875.7	566.5	516.9	502.8	469.7	429.6	436.7	514.6	554.7	542.9	542.9
40°	786.0	528.7	500.4	493.3	472.1	429.6	462.6	500.4	538.2	528.7	528.7
42.5°	729.4	505.1	483.9	479.2	462.6	422.5	448.5	493.3	535.8	519.3	516.9
45°	708.1	483.9	472.1	462.6	436.7	406.0	439.0	498.0	531.1	512.2	509.8
47.5°	729.4	472.1	460.3	448.5	415.4	380.0	443.8	491.0	521.6	493.3	488.6
50°	797.8	472.1	446.1	429.6	398.9	380.0	436.7	474.4	498.0	465.0	457.9
52.5°	887.5	481.5	432.0	408.3	382.4	377.7	427.2	465.0	479.2	443.8	441.4
55°	1010.2	498.0	413.1	391.8	356.4	368.2	427.2	467.4	462.6	422.5	420.1
57.5°	1135.3	516.9	396.5	380.0	339.9	356.4	422.5	469.7	441.4	391.8	391.8
60°	1269.9	540.5	375.3	365.9	328.1	339.9	408.3	465.0	420.1	368.2	368.2
62.5°	1404.4	552.3	358.8	351.7	313.9	323.4	391.8	450.8	413.1	363.5	363.5
65°	1513.0	540.5	342.3	332.8	295.0	304.5	368.2	439.0	401.3	365.9	368.2
67.5°	1574.4	507.5	325.7	318.7	276.2	285.6	339.9	413.1	382.4	363.5	368.2
70°	1546.1	450.8	304.5	295.0	257.3	269.1	313.9	382.4	370.6	363.5	370.6
72.5°	1423.3	408.3	278.5	273.8	233.7	250.2	297.4	356.4	356.4	377.7	380.0
75°	1267.5	363.5	257.3	252.6	217.2	229.0	290.3	325.7	332.8	361.1	368.2
77.5°	1029.1	304.5	226.6	231.3	212.4	212.4	276.2	306.9	313.9	347.0	349.3
80°	630.2	224.2	195.9	207.7	195.9	203.0	259.6	285.6	290.3	335.2	339.9
82.5°	313.9	158.1	167.6	184.1	174.7	200.6	247.8	271.4	295.0	339.9	342.3
85°	160.5	96.8	127.5	148.7	151.1	221.9	243.1	280.9	276.2	306.9	313.9
87.5°	101.5	49.6	73.2	80.3	113.3	210.1	214.8	231.3	226.6	262.0	262.0
90°	99.1	40.1	63.7	61.4	113.3	179.4	165.2	167.6	179.4	221.9	224.2
92.5°	103.9	37.8	66.1	61.4	120.4	141.6	132.2	127.5	141.6	167.6	172.3
95°	92.1	35.4	70.8	66.1	103.9	94.4	85.0	94.4	92.1	92.1	94.4
97.5°	54.3	26.0	68.5	66.1	82.6	49.6	56.6	70.8	54.3	40.1	37.8
100°	23.6	16.5	66.1	63.7	51.9	30.7	47.2	59.0	40.1	16.5	16.5
102.5°	14.2	14.2	47.2	59.0	30.7	16.5	35.4	40.1	23.6	14.2	14.2
105°	14.2	14.2	23.6	35.4	11.8	9.4	16.5	18.9	11.8	11.8	11.8
107.5°	14.2	14.2	11.8	11.8	9.4	9.4	9.4	9.4	9.4	11.8	11.8
110°	14.2	14.2	9.4	11.8	9.4	7.1	7.1	7.1	9.4	11.8	11.8

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**CANDELA DISTRIBUTION (continued):**

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