

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: P417361

Luminaire Tested: **LXF.LXT-PA1-90-830-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-830-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8088 lumens  
Efficiency: N/A  
Efficacy: 86.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

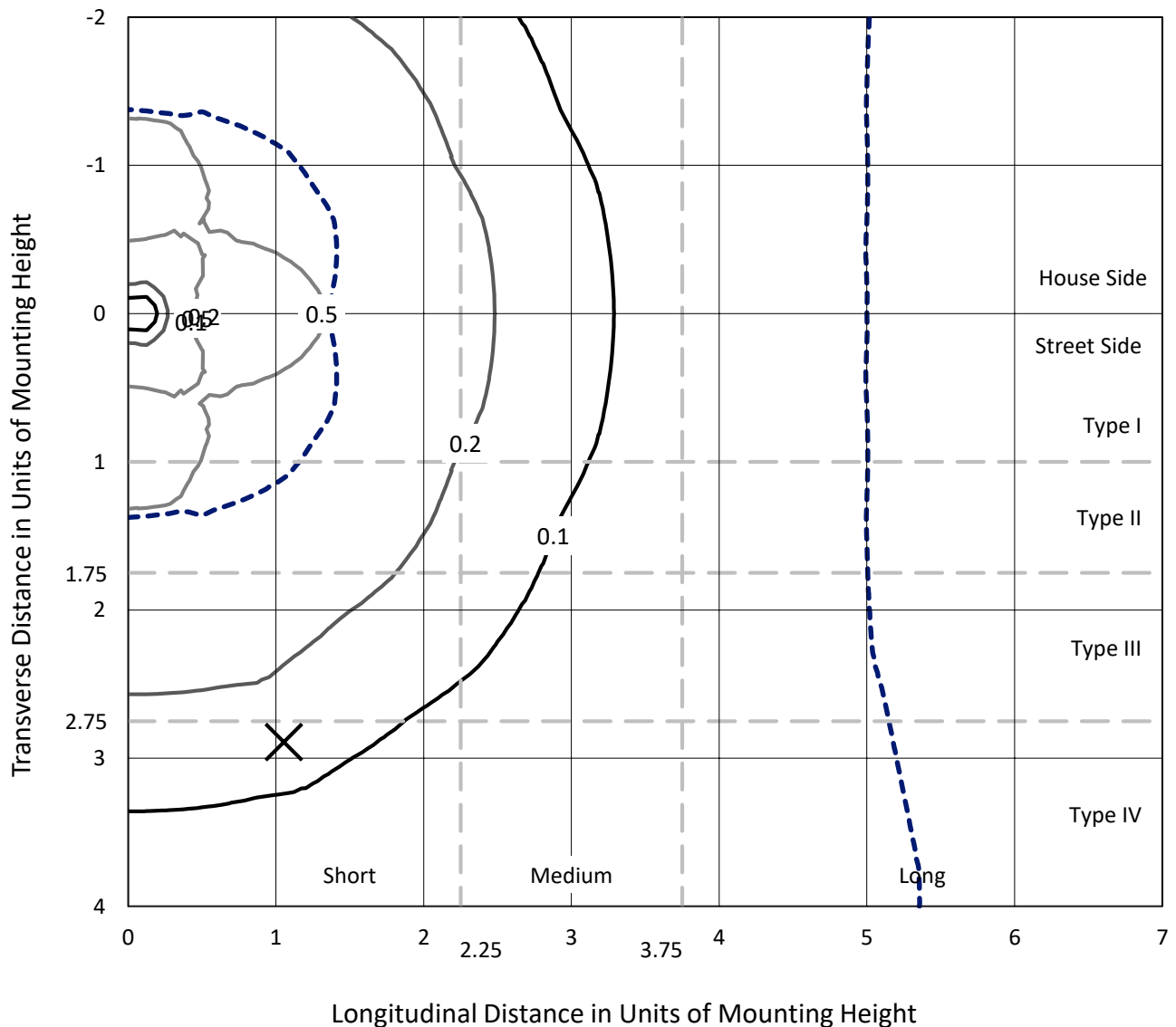
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

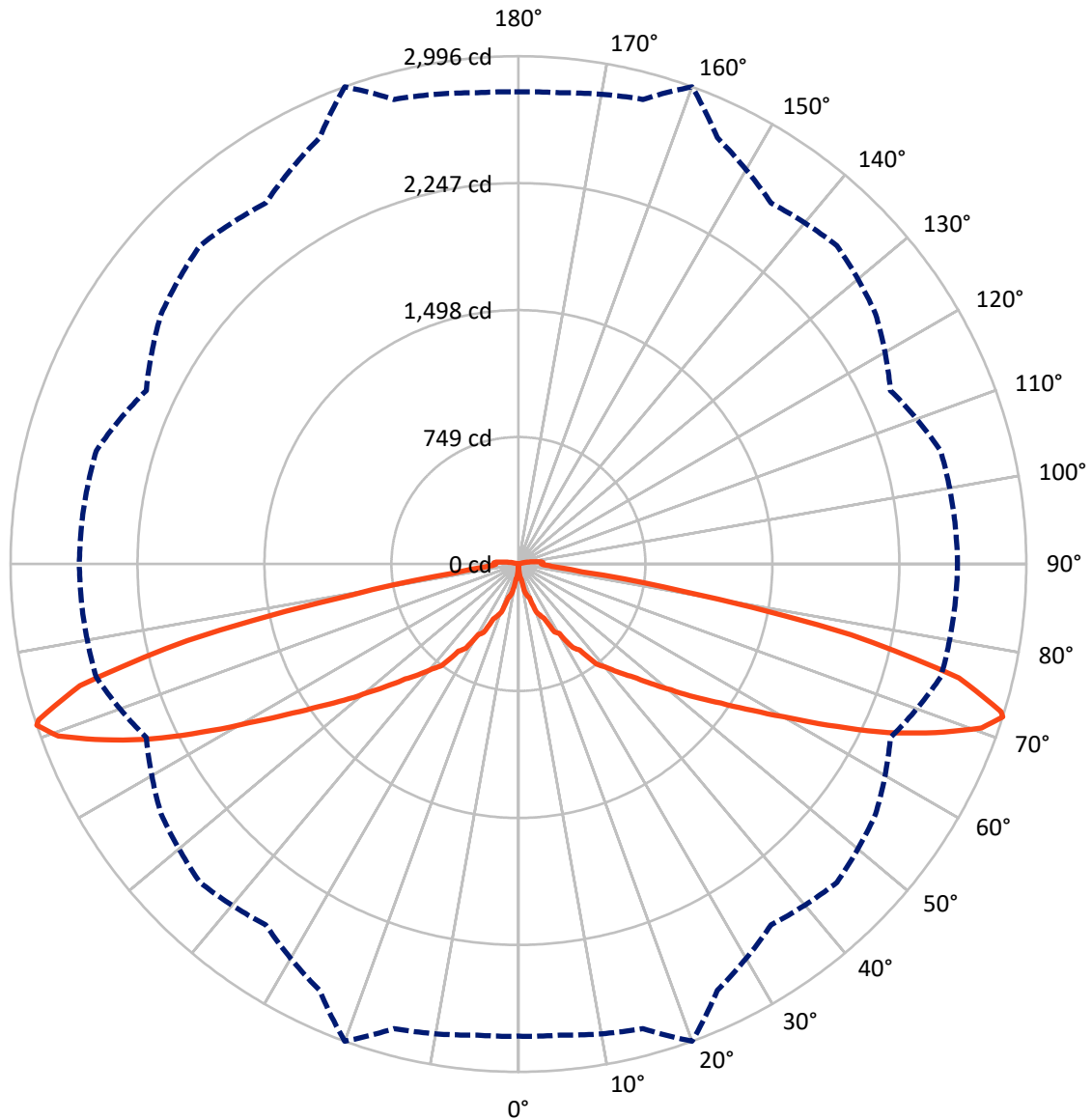
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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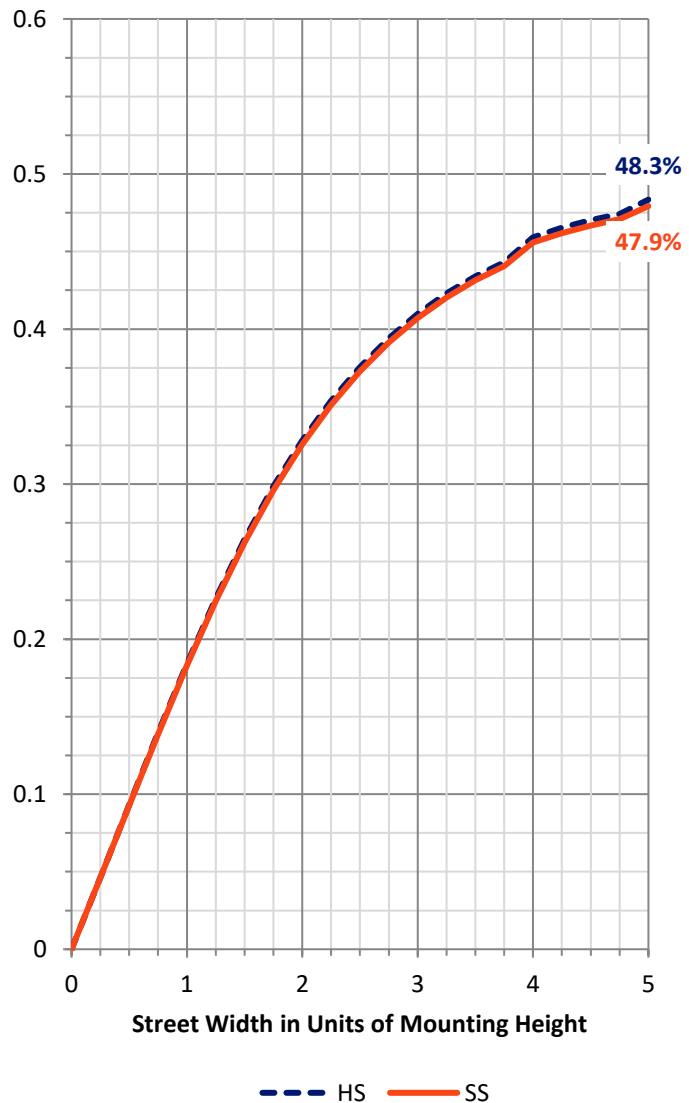
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3950.0	94.0	4044.0
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	3950.0	94.0	4044.0
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	7900.1	188.0	8088.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	44.3	0.5
20°-30°	175.2	2.2
30°-40°	405.7	5.0
40°-50°	738.4	9.1
50°-60°	1309.2	16.2
60°-70°	2214.7	27.4
70°-80°	2460.8	30.4
80°-90°	548.6	6.8
90°-100°	152.7	1.9
100°-110°	22.5	0.3
110°-120°	5.3	0.1
120°-130°	3.3	0.0
130°-140°	2.0	0.0
140°-150°	1.7	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7900.1	97.7
0°-180°	8088.0	100.0



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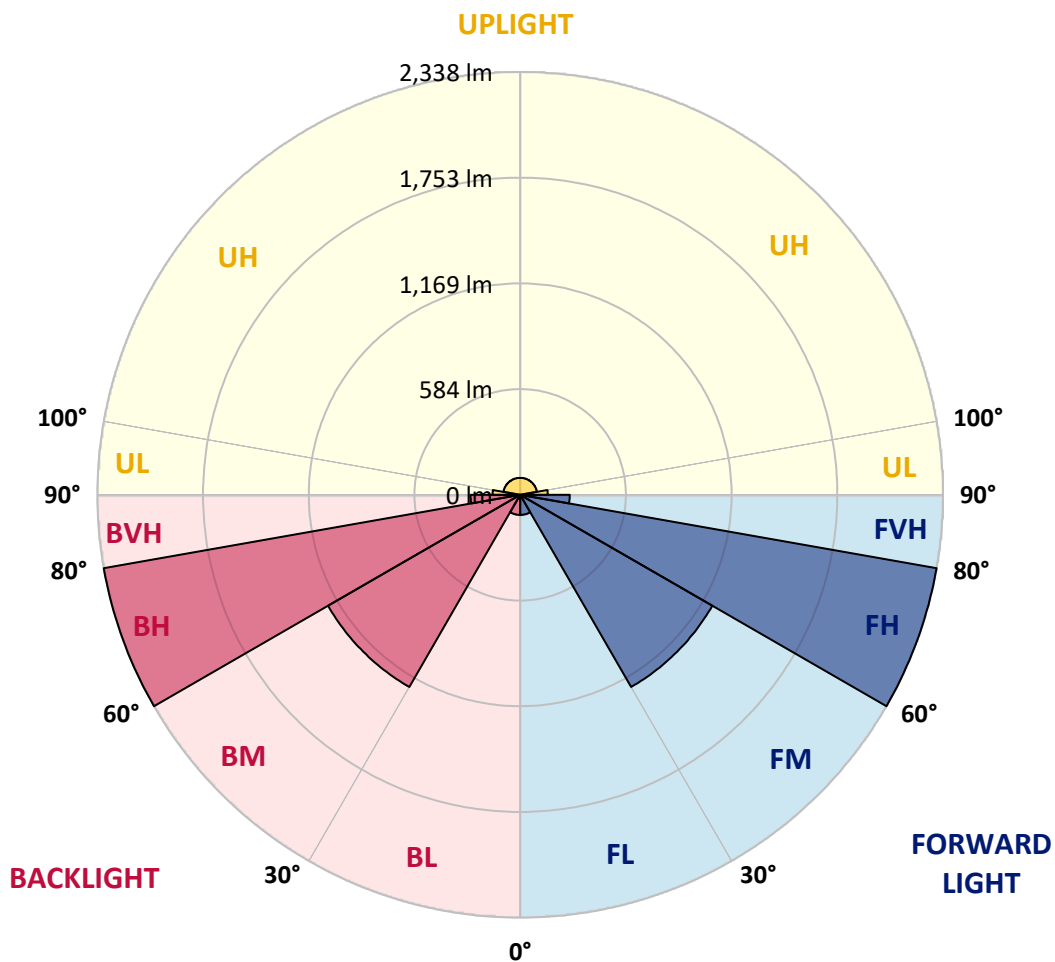
CATALOG NUMBER: LXF.LXT-PA1-90-830-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.3	1.4			
FM (30°-60°)	1226.7	15.2			
FH (60°-80°)	2337.7	28.9			G2/5000
FVH (80°-90°)	274.3	3.4			G3/500
BL (0°-30°)	111.3	1.4	B1/500		
BM (30°-60°)	1226.7	15.2	B2/2500		
BH (60°-80°)	2337.7	28.9	B3/2500		G2/5000
BVH (80°-90°)	274.3	3.4			G3/500
UL (90°-100°)	152.7	1.9		U3/500	
UH (100°-180°)	94.0	1.2		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.3	4.3	4.3	5.1	3.4	4.3	3.4	3.4	3.4	3.4	3.4
5°	37.7	36.8	34.3	63.4	30.0	15.4	8.6	5.1	3.4	3.4	3.4
7.5°	80.5	79.7	77.1	84.8	64.3	48.8	38.6	25.7	6.9	4.3	4.3
10°	96.8	96.0	92.5	93.4	90.0	87.4	72.0	43.7	19.7	6.9	6.9
12.5°	144.8	143.9	137.9	167.9	116.5	96.8	90.0	76.3	42.8	34.3	66.8
15°	197.9	197.9	189.4	193.6	160.2	141.4	104.5	131.1	143.9	137.1	146.5
17.5°	220.2	219.3	210.8	209.1	200.5	184.2	180.8	190.2	185.1	164.5	165.4
20°	280.2	279.3	268.2	300.7	248.5	209.1	260.5	227.9	209.9	239.1	277.6
22.5°	336.7	335.9	327.3	329.0	300.7	307.6	284.5	263.9	311.9	323.0	333.3
25°	399.3	396.7	363.3	356.4	332.4	364.1	326.4	379.6	347.0	362.4	389.9
27.5°	468.7	465.3	449.0	454.1	407.8	394.1	416.4	405.3	426.7	493.5	508.1
30°	513.2	493.5	479.0	476.4	485.8	441.3	458.4	469.5	492.7	521.8	547.5
32.5°	616.9	612.6	556.9	586.9	531.2	526.1	490.1	527.8	527.8	640.9	718.0
35°	663.2	658.9	643.5	623.8	610.1	562.9	580.1	568.1	655.5	697.5	761.7
37.5°	823.4	819.1	737.7	748.0	664.9	638.3	620.3	666.6	700.9	744.6	819.1
40°	886.0	882.5	850.0	803.7	772.9	696.6	674.3	712.9	754.9	802.8	879.1
42.5°	960.5	957.9	919.4	876.5	845.7	780.6	756.6	760.0	811.4	882.5	957.1
45°	1049.6	1049.6	1024.8	951.1	921.1	874.8	836.3	840.5	888.5	974.2	1051.3
47.5°	1151.6	1149.9	1135.3	1053.0	1029.9	959.6	928.8	942.5	979.3	1074.5	1155.9
50°	1270.7	1262.1	1261.2	1167.0	1138.7	1066.7	1037.6	1060.7	1083.0	1177.3	1265.5
52.5°	1393.2	1395.8	1396.6	1304.1	1275.8	1214.1	1172.1	1197.0	1197.0	1296.4	1393.2
55°	1538.9	1544.8	1540.6	1448.9	1453.2	1386.3	1328.9	1359.8	1348.6	1443.7	1530.3
57.5°	1726.5	1724.8	1733.3	1628.0	1641.7	1587.7	1522.6	1542.3	1525.1	1603.1	1680.2
60°	1914.1	1914.1	1936.4	1844.7	1881.6	1800.2	1758.2	1768.5	1707.6	1772.8	1841.3
62.5°	2109.5	2111.2	2143.8	2112.9	2121.5	2035.0	2008.4	1992.1	1876.4	1961.3	2008.4
65°	2307.4	2310.0	2364.0	2397.4	2334.0	2255.2	2232.0	2192.6	2068.4	2188.3	2196.9
67.5°	2507.9	2519.1	2583.3	2654.4	2557.6	2411.1	2444.5	2373.4	2244.9	2359.7	2353.7
70°	2728.1	2735.8	2779.5	2898.6	2724.7	2536.2	2572.2	2519.9	2367.4	2510.5	2521.6
72°	2785.5	2790.7	2837.8	2996.3	2775.2	2598.7	2657.0	2573.0	2422.2	2579.0	2587.6
72.5°	2782.1	2789.8	2828.4	2977.5	2773.5	2609.9	2672.4	2579.0	2421.4	2574.7	2573.9
75°	2520.8	2538.8	2597.9	2684.4	2621.0	2587.6	2721.3	2543.0	2324.6	2409.4	2389.7
77.5°	1849.9	1863.6	1949.3	2004.1	2129.2	2353.7	2594.5	2335.7	2032.4	1993.8	1928.7
80°	907.4	902.2	1074.5	996.5	1358.1	1801.0	2153.2	1848.2	1436.9	1169.6	1001.6
82.5°	306.7	324.7	395.0	380.4	604.1	1039.3	1457.5	1141.3	665.8	453.3	374.4
85°	173.1	179.1	217.6	209.1	245.9	403.6	749.7	519.2	291.3	243.3	216.8
87.5°	152.5	155.1	153.4	150.8	162.8	226.2	227.1	234.8	178.2	165.4	166.2
90°	154.2	155.9	139.7	133.7	143.1	189.4	210.8	199.6	145.7	142.2	155.9
92.5°	167.1	168.8	151.7	145.7	153.4	194.5	216.8	205.6	147.4	151.7	166.2
95°	152.5	154.2	139.7	133.7	142.2	180.8	203.1	198.8	140.5	155.1	176.5
97.5°	97.7	98.5	97.7	97.7	112.2	137.1	143.1	135.4	93.4	95.1	96.8
100°	38.6	30.8	43.7	64.3	79.7	80.5	77.1	71.1	60.0	39.4	19.7
102.5°	12.9	12.9	30.0	42.0	47.1	37.7	30.0	30.0	35.1	24.8	12.9
105°	12.9	12.9	16.3	19.7	19.7	10.3	9.4	15.4	22.3	12.9	12.9
107.5°	12.0	12.9	8.6	7.7	6.9	6.9	6.9	6.9	8.6	9.4	12.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	10.3	10.3	6.9	6.9	6.0	5.1	6.9	6.0	6.9	7.7	10.3
112.5°	7.7	8.6	5.1	5.1	5.1	4.3	6.0	5.1	5.1	6.0	6.9
115°	7.7	7.7	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.1	6.9
117.5°	7.7	6.9	4.3	3.4	3.4	3.4	3.4	3.4	3.4	5.1	6.9
120°	7.7	6.9	4.3	3.4	2.6	2.6	2.6	2.6	3.4	4.3	6.9
122.5°	6.9	6.9	4.3	3.4	2.6	2.6	2.6	2.6	2.6	4.3	6.9
125°	6.9	6.9	4.3	3.4	2.6	2.6	1.7	2.6	2.6	4.3	6.0
127.5°	6.9	6.0	4.3	2.6	2.6	1.7	1.7	1.7	2.6	3.4	6.0
130°	6.0	6.0	4.3	2.6	1.7	1.7	1.7	1.7	1.7	3.4	5.1
132.5°	5.1	5.1	3.4	2.6	1.7	1.7	1.7	1.7	1.7	2.6	4.3
135°	4.3	4.3	3.4	2.6	1.7	2.6	1.7	1.7	1.7	1.7	3.4
137.5°	4.3	4.3	3.4	2.6	1.7	2.6	1.7	1.7	1.7	1.7	2.6
140°	4.3	4.3	3.4	2.6	2.6	2.6	1.7	1.7	1.7	1.7	2.6
142.5°	4.3	4.3	3.4	2.6	2.6	2.6	1.7	1.7	1.7	2.6	2.6
145°	4.3	4.3	4.3	3.4	2.6	2.6	1.7	1.7	2.6	2.6	3.4
147.5°	5.1	5.1	4.3	3.4	2.6	1.7	1.7	1.7	2.6	3.4	3.4
150°	4.3	4.3	3.4	2.6	2.6	1.7	0.9	0.9	1.7	3.4	3.4
152.5°	3.4	3.4	2.6	1.7	1.7	0.9	0.0	0.9	1.7	2.6	3.4
155°	2.6	1.7	1.7	0.9	0.9	0.0	0.0	0.0	0.9	1.7	2.6
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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°
0°	3.4
2.5°	3.4
5°	3.4
7.5°	4.3
10°	6.9
12.5°	68.5
15°	147.4
17.5°	165.4
20°	299.9
22.5°	337.6
25°	398.4
27.5°	520.1
30°	552.6
32.5°	736.0
35°	775.4
37.5°	828.5
40°	886.0
42.5°	959.6
45°	1051.3
47.5°	1157.6
50°	1263.0
52.5°	1389.8
55°	1536.3
57.5°	1675.9
60°	1836.2
62.5°	1997.3
65°	2196.9
67.5°	2353.7
70°	2525.9
72°	2590.2
72.5°	2574.7
75°	2393.1
77.5°	1934.7
80°	982.8
82.5°	347.9
85°	213.3
87.5°	162.8
90°	153.4
92.5°	163.7
95°	173.9
97.5°	92.5
100°	13.7
102.5°	13.7
105°	13.7
107.5°	13.7



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**CANDELA DISTRIBUTION (continued):**

	90°
110°	11.1
112.5°	7.7
115°	7.7
117.5°	7.7
120°	7.7
122.5°	7.7
125°	6.9
127.5°	6.0
130°	5.1
132.5°	4.3
135°	3.4
137.5°	2.6
140°	2.6
142.5°	2.6
145°	3.4
147.5°	3.4
150°	3.4
152.5°	3.4
155°	2.6
157.5°	0.9
160°	0.9
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)