

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: P416900

Luminaire Tested: **LXF.LXT-PA1-80-827-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416900  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-827-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 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: 6440 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

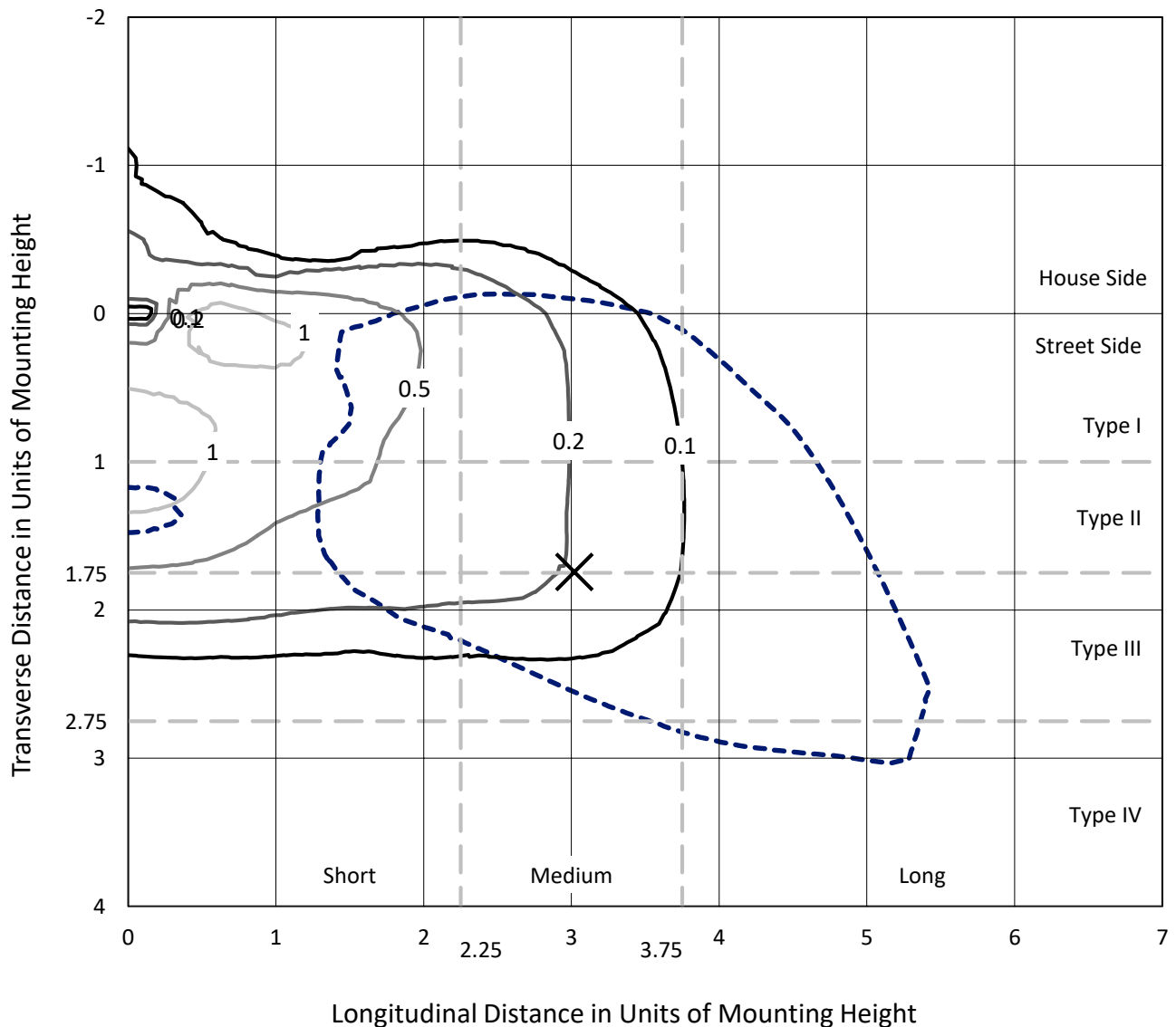
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

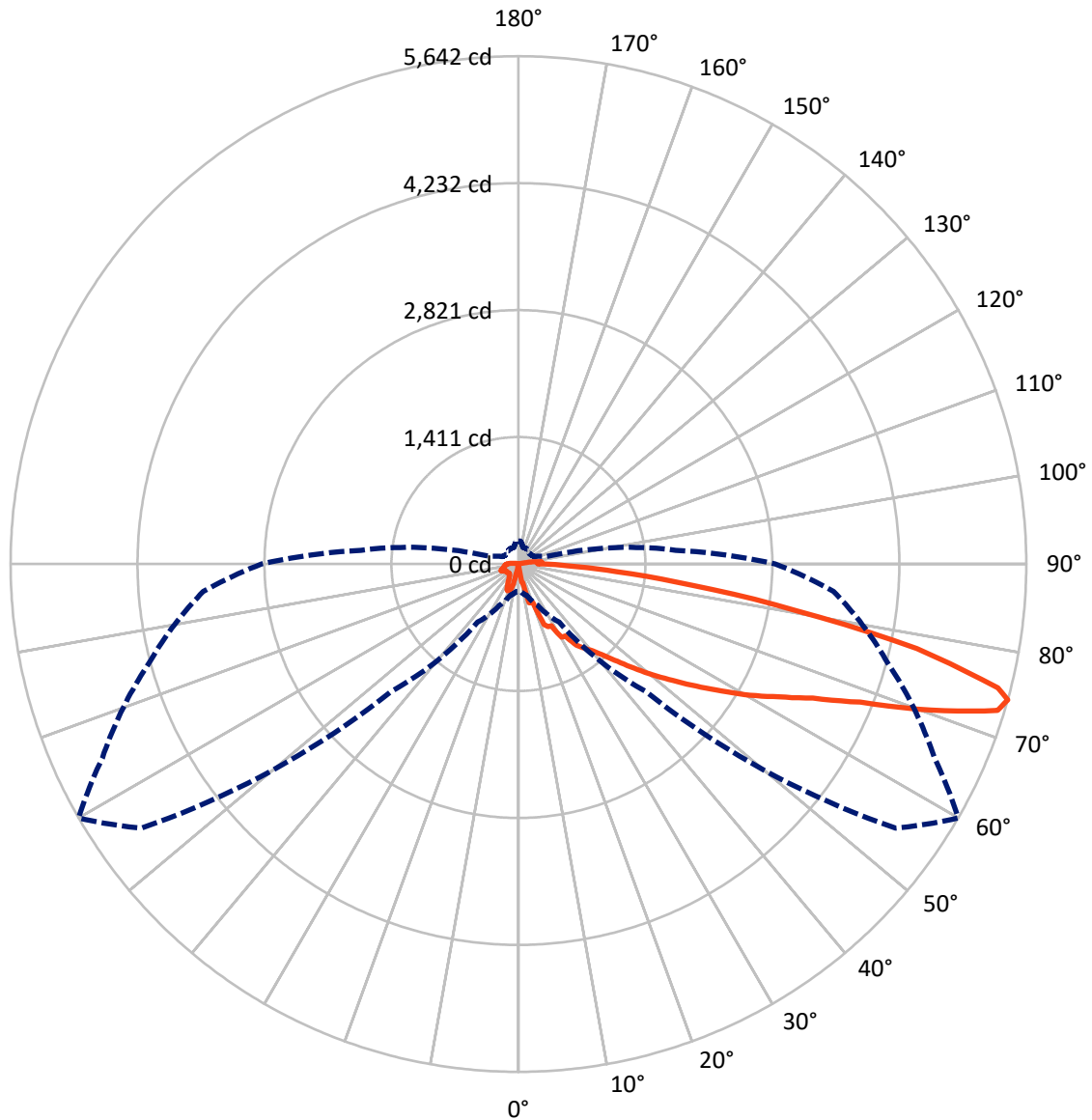
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



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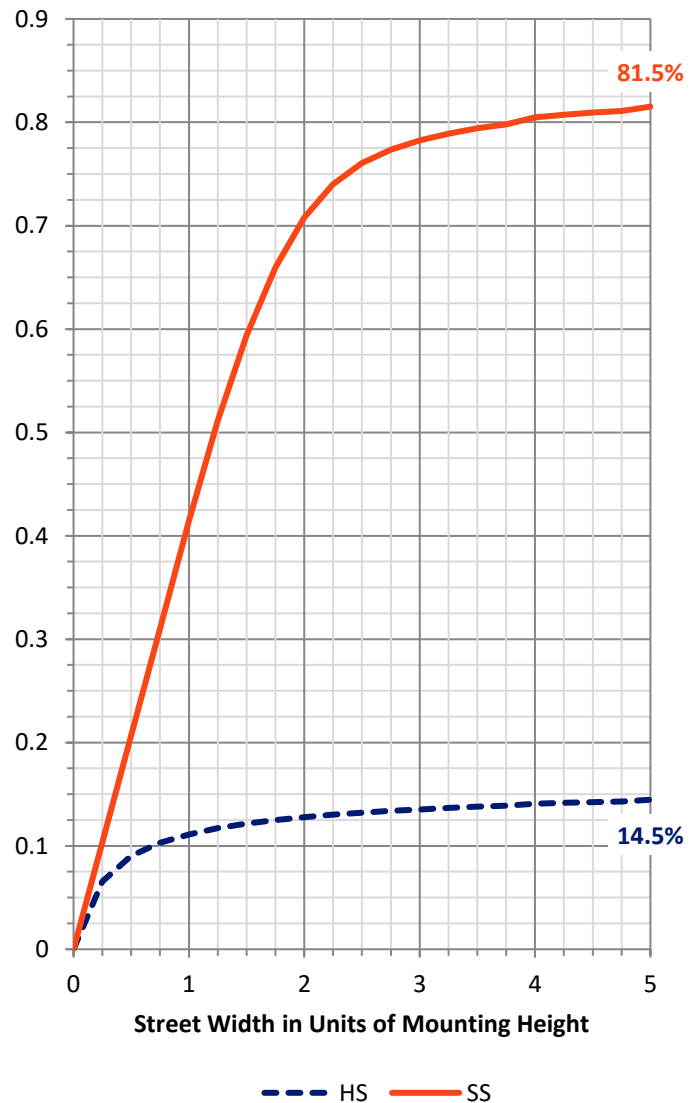
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	988.3	62.6	1050.9
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	5322.0	67.1	5389.1
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	6310.3	129.7	6440.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	82.3	1.3
20°-30°	249.0	3.9
30°-40°	498.5	7.7
40°-50°	855.2	13.3
50°-60°	1303.6	20.2
60°-70°	1606.2	24.9
70°-80°	1342.8	20.9
80°-90°	365.7	5.7
90°-100°	94.5	1.5
100°-110°	16.9	0.3
110°-120°	6.3	0.1
120°-130°	4.7	0.1
130°-140°	3.3	0.1
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6310.3	98.0
0°-180°	6440.0	100.0



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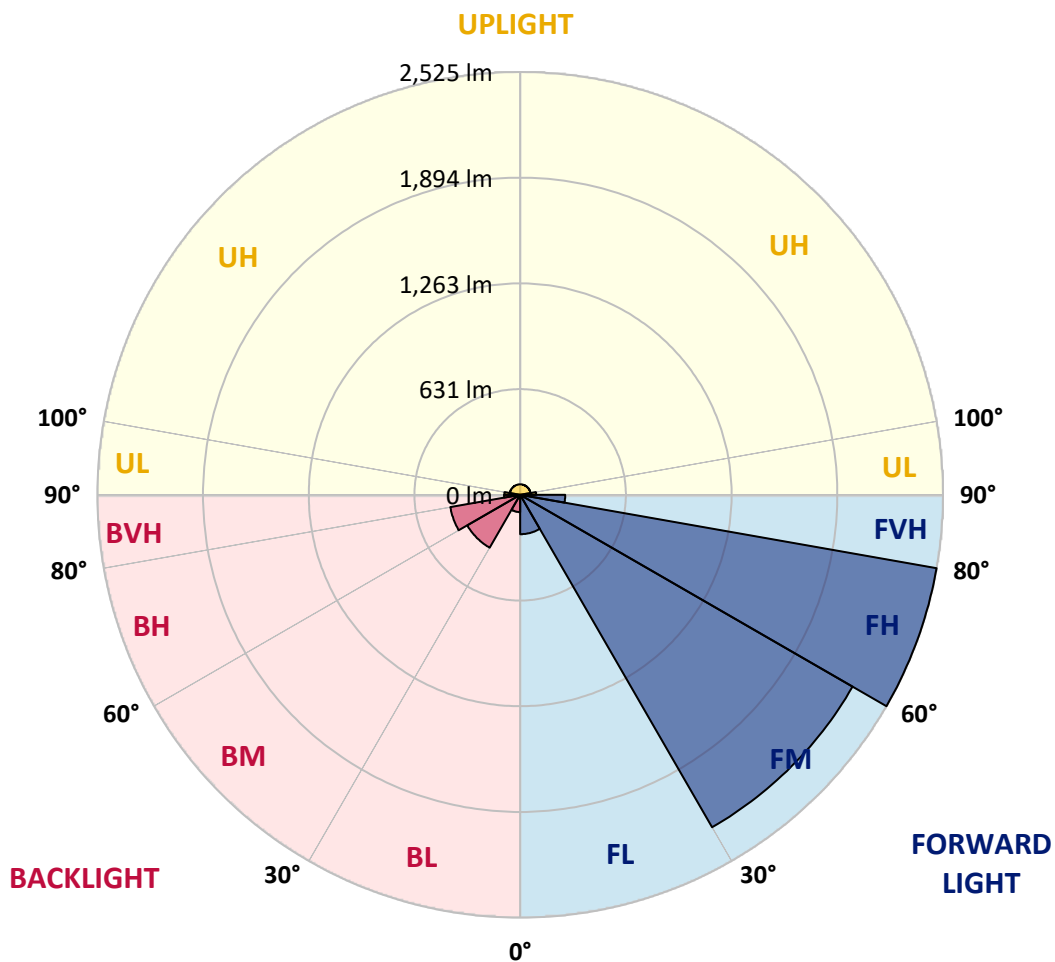
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.2	3.7			
FM (30°-60°)	2292.6	35.6			
FH (60°-80°)	2525.4	39.2			G2/5000
FVH (80°-90°)	268.8	4.2			G3/500
BL (0°-30°)	103.2	1.6	B0/110		
BM (30°-60°)	364.6	5.7	B1/1000		
BH (60°-80°)	423.6	6.6	B1/500		G1/500
BVH (80°-90°)	96.9	1.5			G1/100
UL (90°-100°)	94.5	1.5		U3/500	
UH (100°-180°)	62.6	1.0		U3/500	

**BUG Rating: B1-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	8.1	7.4	6.6	7.4	8.1	7.4	5.9	5.1	4.4	4.4	4.4
5°	214.7	211.7	210.3	163.9	39.0	24.3	9.6	6.6	5.9	4.4	4.4
7.5°	217.6	214.7	215.4	214.7	211.0	211.0	68.4	25.0	14.0	5.1	5.1
10°	229.4	225.0	219.1	218.3	216.9	214.7	211.0	206.6	47.0	8.1	7.4
12.5°	423.4	421.2	418.3	322.7	233.8	217.6	215.4	210.3	161.7	30.9	142.6
15°	420.5	419.8	414.6	416.8	416.1	236.7	268.3	447.7	430.1	311.7	359.5
17.5°	441.1	438.9	423.4	413.9	414.6	472.7	438.9	441.8	443.3	394.0	385.2
20°	598.4	594.7	593.3	576.4	421.2	555.0	566.1	458.7	469.8	611.6	683.7
22.5°	605.8	600.6	594.7	590.3	664.6	552.8	598.4	730.7	697.7	809.4	763.1
25°	818.2	804.3	746.2	604.3	663.8	636.6	774.1	770.4	729.3	844.7	816.0
27.5°	885.9	876.3	833.7	801.3	677.1	762.4	769.7	777.8	917.5	1165.2	1085.8
30°	1186.5	1112.3	920.4	900.6	807.9	769.0	880.0	943.2	1032.2	1170.4	1148.3
32.5°	1358.6	1322.5	1229.9	1088.0	946.1	841.0	954.2	954.2	1037.3	1414.4	1451.9
35°	1637.2	1521.0	1340.2	1243.9	1079.2	1006.4	983.6	1107.9	1226.2	1485.7	1483.5
37.5°	1737.9	1726.9	1659.2	1363.7	1268.9	1094.6	1146.8	1185.1	1285.0	1588.7	1584.2
40°	1793.0	1817.3	1822.4	1622.5	1409.3	1264.5	1246.1	1267.4	1363.7	1733.5	1677.6
42.5°	1979.8	1988.6	2015.8	1787.9	1619.5	1449.7	1398.3	1389.4	1456.3	1901.8	1801.1
45°	2281.2	2285.6	2265.7	1978.3	1790.8	1633.5	1576.2	1542.3	1601.2	2068.7	1957.7
47.5°	2626.7	2637.0	2541.4	2193.7	1946.7	1810.7	1779.8	1727.6	1765.1	2219.4	2152.5
50°	2901.6	2898.7	2728.1	2367.9	2104.0	1992.3	1982.7	1934.2	1938.6	2402.5	2362.8
52.5°	2972.9	2968.5	2823.0	2496.6	2247.4	2181.2	2224.6	2149.6	2110.6	2592.1	2581.1
55°	2865.6	2873.7	2805.3	2550.2	2338.5	2347.3	2459.8	2395.1	2342.2	2771.5	2789.2
57.5°	2710.5	2700.9	2711.2	2570.8	2409.8	2509.8	2739.9	2659.0	2608.3	2974.4	2994.3
60°	2423.1	2409.8	2542.9	2548.8	2476.0	2693.6	3037.6	2959.0	2887.7	3188.3	3167.0
62.5°	1985.6	1968.7	2209.1	2413.5	2551.7	2909.0	3331.7	3246.4	3177.3	3415.5	3375.1
65°	1321.8	1401.9	1683.5	2118.0	2523.8	3219.2	3720.6	3592.7	3467.0	3648.5	3641.2
67.5°	766.8	824.1	1030.7	1506.3	2293.7	3484.6	4337.4	4094.8	3877.9	3912.5	3895.6
70°	475.6	493.3	583.0	868.9	1616.6	3397.1	5021.1	4864.5	4405.0	4206.5	3935.3
72.5°	369.0	380.8	432.3	567.5	982.9	2627.4	5346.0	5565.8	4937.3	4283.7	3739.7
74°	302.1	309.5	363.2	508.0	788.8	2003.3	5115.2	5642.3	5100.5	4246.2	3514.8
75°	238.9	246.3	306.6	487.4	749.9	1598.2	4773.3	5500.4	5105.6	4188.1	3243.5
77.5°	146.3	151.4	165.4	336.7	681.5	913.1	3522.1	4527.8	4524.8	3478.0	2326.0
80°	116.2	117.6	123.5	177.2	555.0	827.8	2230.4	3125.1	3102.3	2087.8	1191.7
82.5°	80.1	86.0	97.8	114.7	295.5	810.9	1406.3	1941.5	1674.7	794.7	498.4
85°	53.7	58.1	74.3	85.3	158.1	863.1	1009.4	1092.4	824.1	393.3	328.6
87.5°	22.1	22.8	33.8	41.2	64.0	413.9	679.3	541.1	379.3	249.2	267.6
90°	11.8	11.8	8.8	9.6	23.5	89.0	222.0	215.4	178.6	205.1	251.4
92.5°	13.2	13.2	8.8	9.6	22.8	69.8	240.4	245.5	205.1	218.3	269.1
95°	14.7	14.7	8.8	8.8	22.1	47.8	230.8	259.5	211.0	229.4	271.3
97.5°	16.2	16.9	8.1	8.1	17.6	36.0	144.8	177.2	137.5	119.1	130.1
100°	16.9	16.9	7.4	7.4	11.8	25.7	66.9	85.3	66.2	30.9	21.3
102.5°	16.9	17.6	7.4	6.6	8.1	16.2	21.3	30.9	24.3	18.4	19.8
105°	16.2	17.6	7.4	6.6	6.6	8.8	11.0	12.5	13.2	13.2	20.6
107.5°	12.5	14.0	5.9	6.6	5.9	5.9	4.4	5.1	6.6	11.8	20.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.8	8.8	4.4	5.9	5.1	5.9	3.7	4.4	5.9	8.8	16.9
112.5°	4.4	3.7	2.9	4.4	4.4	5.1	3.7	3.7	5.1	7.4	11.8
115°	2.9	3.7	2.2	2.9	3.7	3.7	2.9	3.7	4.4	7.4	12.5
117.5°	2.9	2.9	2.2	2.9	3.7	2.9	2.9	3.7	4.4	7.4	12.5
120°	3.7	2.9	2.2	2.9	2.9	2.2	2.9	3.7	3.7	7.4	12.5
122.5°	3.7	3.7	2.9	2.9	2.9	2.2	2.9	2.9	3.7	7.4	11.8
125°	4.4	3.7	2.9	2.9	2.9	2.2	2.9	2.9	3.7	6.6	11.0
127.5°	4.4	4.4	2.9	2.9	3.7	2.2	2.9	2.9	3.7	5.9	10.3
130°	4.4	4.4	3.7	2.9	3.7	2.9	2.9	2.9	3.7	5.1	8.8
132.5°	4.4	4.4	3.7	3.7	3.7	2.9	2.9	2.9	2.9	4.4	7.4
135°	5.1	4.4	3.7	3.7	4.4	2.9	2.9	2.9	2.9	3.7	5.1
137.5°	5.1	5.1	4.4	4.4	5.1	3.7	2.9	3.7	3.7	3.7	4.4
140°	5.9	5.9	5.9	5.1	5.1	3.7	3.7	3.7	3.7	4.4	4.4
142.5°	7.4	6.6	6.6	5.9	5.1	3.7	3.7	3.7	4.4	4.4	4.4
145°	8.1	8.1	7.4	6.6	5.1	3.7	3.7	4.4	4.4	5.1	5.1
147.5°	8.1	8.1	7.4	5.9	4.4	2.9	3.7	4.4	4.4	5.1	5.9
150°	8.1	7.4	6.6	5.1	3.7	2.2	2.9	3.7	4.4	5.1	5.9
152.5°	5.9	5.9	5.1	3.7	2.9	1.5	2.2	2.9	3.7	4.4	5.1
155°	3.7	3.7	2.9	2.2	2.2	1.5	2.2	2.9	2.9	3.7	4.4
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.9	2.9
160°	0.7	0.7	1.5	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	4.4	4.4	4.4	3.7	3.7	2.2	2.9	2.9	3.7	4.4	5.1
5°	4.4	5.1	4.4	3.7	3.7	2.9	3.7	3.7	3.7	5.1	5.1
7.5°	5.1	5.1	4.4	4.4	3.7	2.9	5.1	158.8	182.3	188.2	189.7
10°	6.6	6.6	5.9	5.1	4.4	171.3	188.9	188.9	187.5	188.9	188.9
12.5°	146.3	157.3	25.0	12.5	141.1	177.9	173.5	170.6	167.6	164.7	163.2
15°	355.8	344.8	316.1	237.5	219.1	163.2	150.0	208.0	222.0	225.7	225.0
17.5°	375.7	358.0	314.6	330.1	289.6	208.8	188.2	186.7	178.6	178.6	179.4
20°	706.5	666.0	429.3	322.0	251.4	252.9	161.0	143.4	150.0	159.5	165.4
22.5°	725.6	672.7	502.1	419.0	226.4	204.4	157.3	138.9	187.5	206.6	208.0
25°	774.1	689.6	508.7	352.9	255.8	167.6	156.6	144.8	172.0	189.7	188.2
27.5°	1048.3	930.0	646.2	324.9	202.2	158.1	147.8	138.9	171.3	200.0	199.2
30°	1046.9	916.7	596.9	299.2	166.9	147.0	134.5	151.4	159.5	170.6	171.3
32.5°	1359.3	1165.2	652.8	248.5	147.8	127.2	133.1	138.2	144.8	172.8	178.6
35°	1365.9	1139.5	566.8	227.9	136.0	121.3	125.0	136.7	150.7	168.3	169.8
37.5°	1392.4	1126.2	470.5	188.2	139.7	122.8	130.1	143.4	139.7	163.9	166.9
40°	1440.9	1129.9	395.5	168.3	137.5	122.8	136.0	138.2	138.9	151.4	152.9
42.5°	1515.9	1149.8	332.3	159.5	135.3	133.1	131.6	132.3	127.2	152.2	155.1
45°	1622.5	1190.9	283.8	156.6	135.3	155.1	137.5	132.3	121.3	175.0	187.5
47.5°	1779.8	1271.8	255.1	157.3	136.0	148.5	136.0	128.7	126.4	204.4	213.2
50°	1957.7	1364.4	236.0	160.3	136.0	146.3	133.8	132.3	140.4	207.3	209.5
52.5°	2148.8	1487.9	229.4	163.2	146.3	148.5	152.2	151.4	135.3	166.1	166.1
55°	2342.9	1615.9	231.6	166.9	154.4	152.2	162.5	143.4	116.2	123.5	122.0
57.5°	2526.0	1765.1	247.0	164.7	149.2	150.7	163.9	134.5	116.2	123.5	126.4
60°	2724.5	1926.8	289.6	158.8	147.0	146.3	161.7	141.9	116.2	141.9	142.6
62.5°	2966.3	2149.6	382.3	164.7	158.8	150.7	162.5	156.6	133.1	136.0	138.9
65°	3252.3	2379.7	470.5	187.5	167.6	151.4	160.3	164.7	150.7	145.6	144.8
67.5°	3461.8	2436.3	474.2	217.6	179.4	159.5	161.7	179.4	164.7	167.6	166.1
70°	3408.9	2281.9	410.9	230.1	186.7	166.1	166.1	186.0	173.5	199.2	200.0
72.5°	3150.1	1981.2	347.0	213.2	177.2	168.3	184.5	192.6	184.5	239.7	236.7
74°	<b>2853.1</b>	<b>1754.8</b>	<b>319.1</b>	<b>194.1</b>	<b>173.5</b>	<b>167.6</b>	<b>189.7</b>	<b>192.6</b>	<b>190.4</b>	<b>255.8</b>	<b>253.6</b>
75°	2625.2	1576.9	303.6	183.1	171.3	165.4	191.1	193.3	192.6	258.0	257.3
77.5°	1814.3	1065.2	265.4	163.2	167.6	165.4	190.4	197.8	202.9	256.6	254.4
80°	930.7	583.0	221.3	154.4	166.1	169.8	188.2	191.1	199.2	242.6	240.4
82.5°	466.8	336.0	162.5	141.9	168.3	184.5	188.9	185.3	187.5	223.5	219.8
85°	300.7	232.3	108.1	119.1	171.3	200.0	188.2	172.8	175.7	194.8	193.3
87.5°	241.9	172.0	66.2	92.6	182.3	183.1	172.0	152.9	149.2	152.9	150.7
90°	223.5	159.5	55.9	87.5	176.4	152.9	140.4	125.0	111.7	112.5	108.1
92.5°	240.4	166.9	59.5	86.7	140.4	107.3	102.9	94.8	78.7	69.8	65.4
95°	236.7	160.3	60.3	73.5	102.9	61.0	72.8	66.9	48.5	36.8	34.6
97.5°	113.9	80.9	53.7	57.3	60.3	46.3	61.8	56.6	35.3	22.8	21.3
100°	21.3	30.1	47.8	54.4	47.8	36.0	48.5	43.4	19.1	11.8	11.0
102.5°	20.6	16.9	36.0	49.3	30.1	20.6	26.5	24.3	12.5	8.8	8.8
105°	21.3	16.9	16.9	33.8	18.4	9.6	8.1	11.8	8.8	8.8	9.6
107.5°	22.1	16.9	10.3	11.0	8.8	7.4	5.9	5.9	6.6	9.6	10.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.6	14.7	9.6	8.8	8.1	7.4	5.9	5.1	6.6	10.3	11.0
112.5°	12.5	11.8	8.8	7.4	6.6	6.6	5.1	4.4	6.6	11.0	11.8
115°	12.5	11.8	7.4	6.6	5.1	5.9	5.1	4.4	6.6	12.5	13.2
117.5°	13.2	11.0	7.4	5.9	4.4	4.4	4.4	4.4	7.4	12.5	13.2
120°	13.2	11.0	7.4	5.1	4.4	3.7	4.4	4.4	7.4	12.5	14.0
122.5°	12.5	11.0	6.6	5.1	4.4	3.7	3.7	3.7	6.6	12.5	13.2
125°	11.8	10.3	6.6	5.1	4.4	2.9	3.7	3.7	6.6	11.8	13.2
127.5°	11.0	9.6	6.6	5.1	3.7	2.9	3.7	3.7	6.6	11.0	12.5
130°	9.6	8.8	5.9	4.4	3.7	2.9	3.7	3.7	6.6	10.3	11.8
132.5°	8.1	7.4	5.1	4.4	3.7	2.9	3.7	2.9	5.1	9.6	10.3
135°	5.9	5.9	5.1	3.7	3.7	2.2	2.9	2.9	4.4	7.4	8.1
137.5°	5.1	5.1	4.4	3.7	3.7	2.2	2.9	2.2	3.7	5.9	6.6
140°	5.1	5.1	4.4	3.7	2.9	2.2	2.2	2.2	2.9	5.1	5.1
142.5°	5.1	5.1	4.4	3.7	2.9	2.2	2.2	2.2	2.9	4.4	5.1
145°	5.1	5.1	5.1	4.4	2.9	2.2	2.2	2.2	2.9	4.4	4.4
147.5°	5.9	5.9	5.1	3.7	2.9	1.5	1.5	2.2	2.9	4.4	4.4
150°	5.9	5.9	5.1	3.7	2.9	1.5	0.7	1.5	2.2	3.7	4.4
152.5°	5.1	5.1	4.4	3.7	2.2	1.5	0.7	1.5	2.2	3.7	3.7
155°	4.4	4.4	3.7	2.9	2.2	0.7	0.0	0.7	1.5	2.9	2.9
157.5°	2.9	3.7	2.9	2.2	1.5	0.7	0.0	0.7	0.7	2.2	2.2
160°	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
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)