

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: P266164

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-A-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T4W-A-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6023.4 lumens  
Efficiency: N/A  
Efficacy: 81.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 74  
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

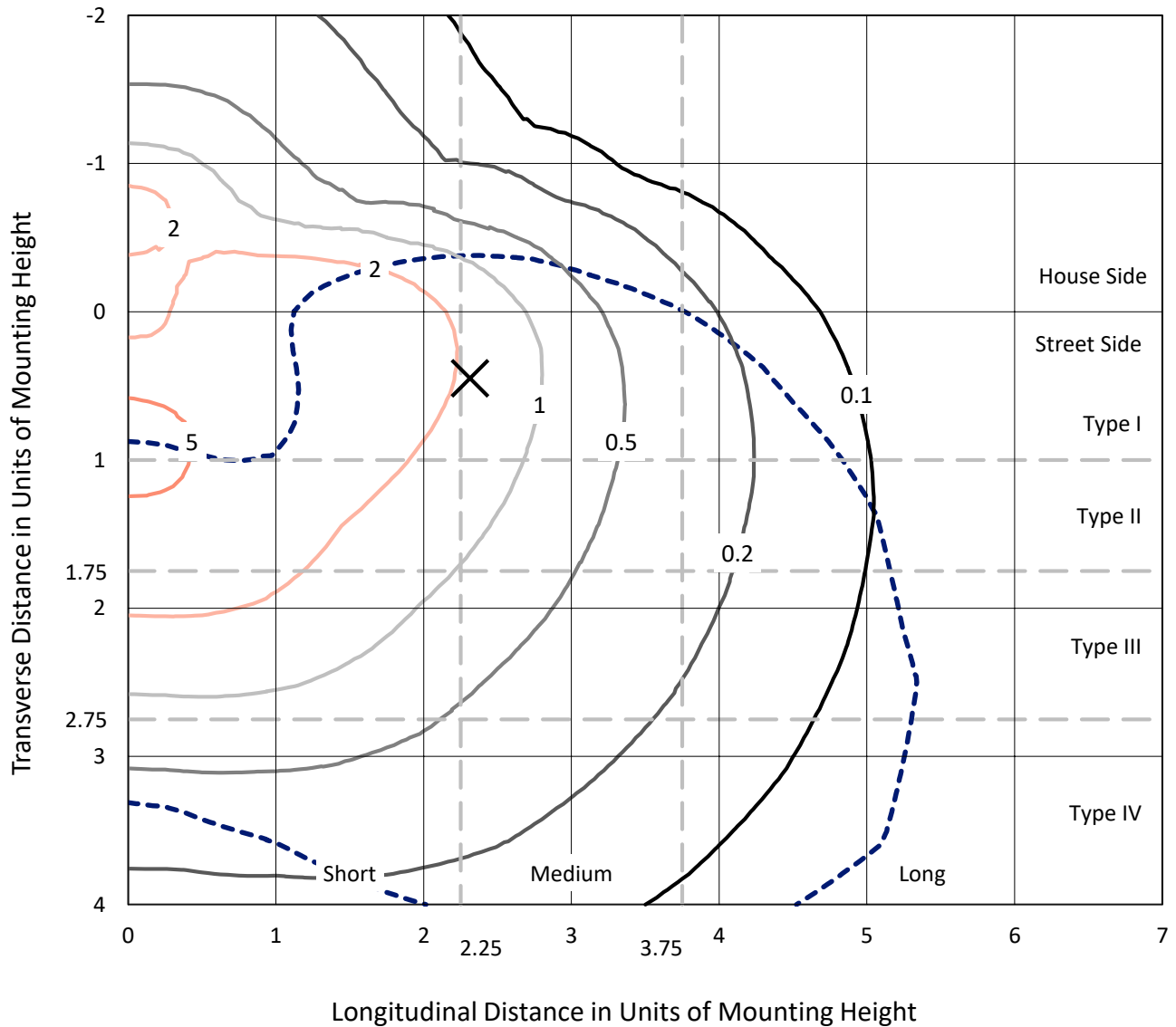


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### Iso-Footcandle Lines of Horizontal Illumination

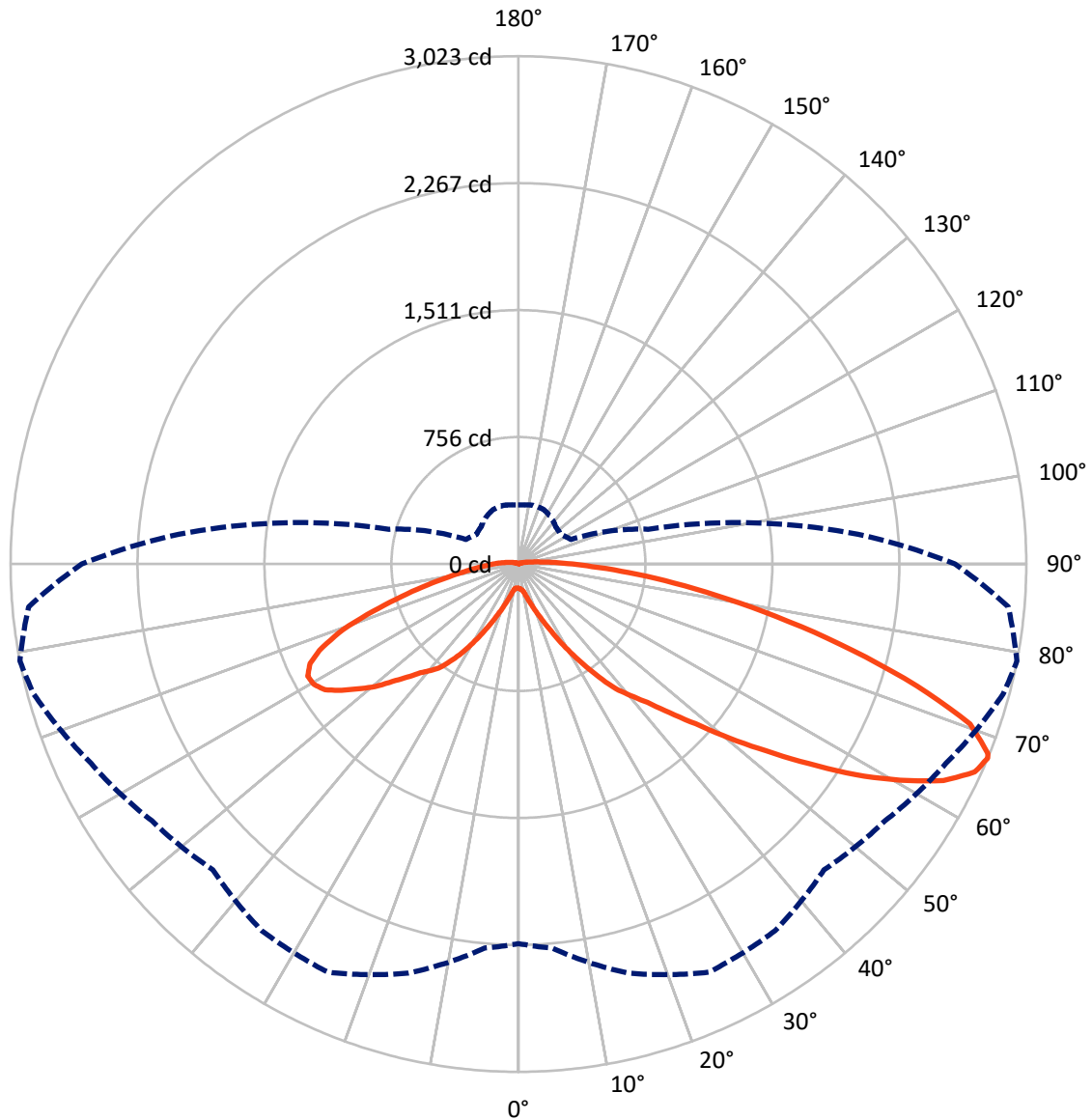
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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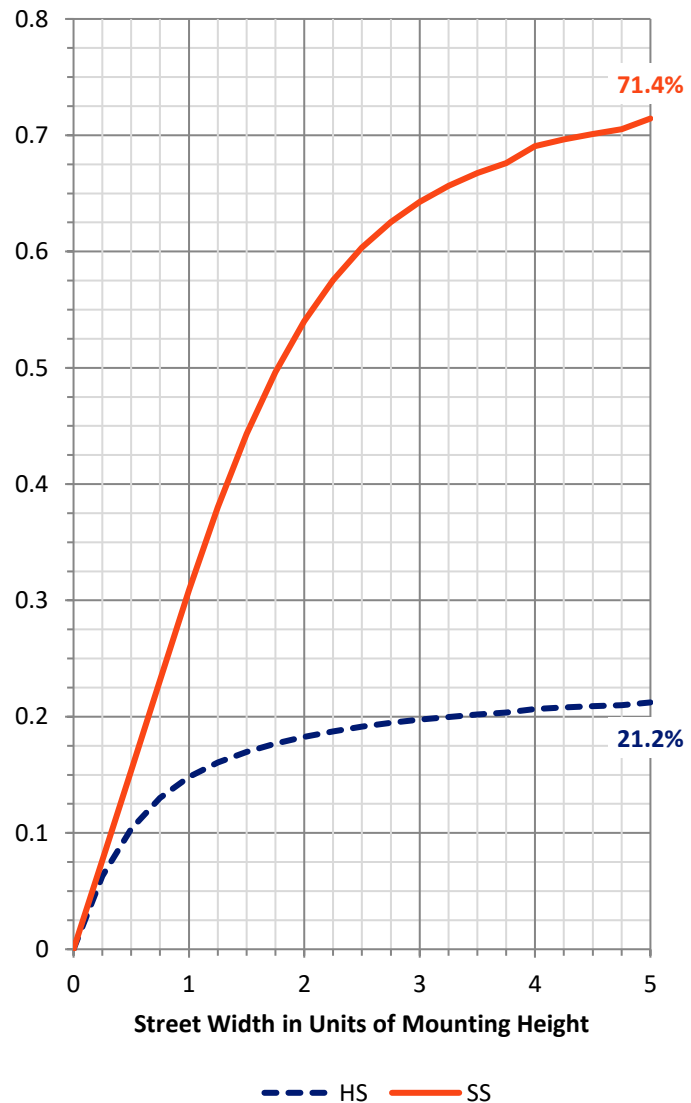
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1343.3	90.6	1433.9
	% Fixture	22.3	1.5	23.8
<b>Street Side</b>	Lumens	4463.8	125.7	4589.5
	% Fixture	74.1	2.1	76.2
<b>Total</b>	Lumens	5807.1	216.3	6023.4
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.6	0.2
10°-20°	61.9	1.0
20°-30°	178.5	3.0
30°-40°	404.9	6.7
40°-50°	703.5	11.7
50°-60°	1127.1	18.7
60°-70°	1570.6	26.1
70°-80°	1240.6	20.6
80°-90°	505.3	8.4
90°-100°	144.1	2.4
100°-110°	42.9	0.7
110°-120°	16.6	0.3
120°-130°	8.0	0.1
130°-140°	3.6	0.1
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5807.1	96.4
0°-180°	6023.4	100.0



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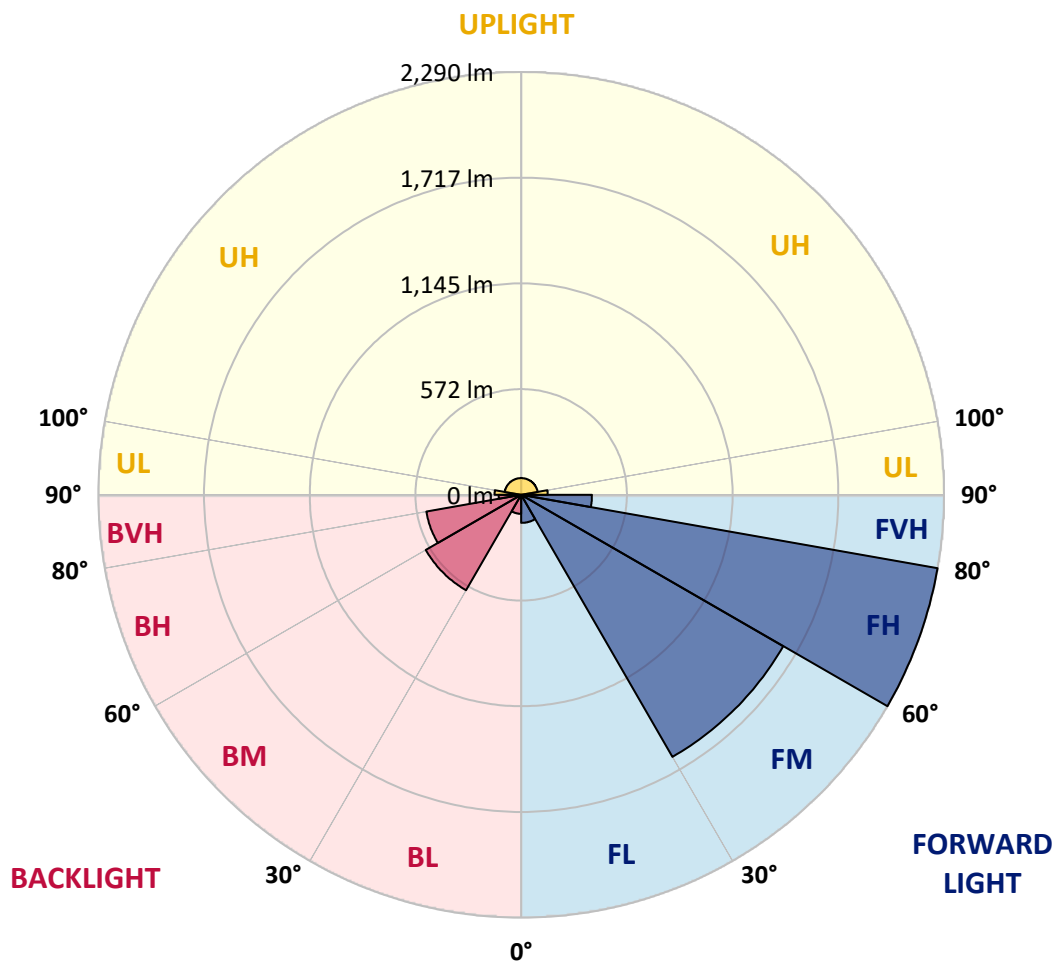
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-A-7027

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.1	2.5			
FM (30°-60°)	1638.7	27.2			
FH (60°-80°)	2289.7	38.0			G2/5000
FVH (80°-90°)	383.3	6.4			G3/500
BL (0°-30°)	103.0	1.7	B0/110		
BM (30°-60°)	596.8	9.9	B1/1000		
BH (60°-80°)	521.6	8.7	B2/1000		G2/1000
BVH (80°-90°)	122.0	2.0			G2/225
UL (90°-100°)	144.1	2.4		U3/500	
UH (100°-180°)	90.6	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	154.4	154.4	155.0	155.0	155.0	153.6	151.5	149.3	147.9	147.1	145.6
5°	165.9	165.3	165.9	165.3	165.3	162.4	158.7	155.0	152.2	150.7	148.5
7.5°	182.7	182.7	182.0	180.6	179.1	174.0	168.3	163.9	159.4	156.6	154.4
10°	203.8	204.6	203.1	199.6	195.8	189.4	182.7	177.0	170.4	166.7	163.9
12.5°	236.7	236.7	233.6	225.7	217.0	208.9	201.7	195.8	193.0	189.4	186.4
15°	277.3	276.7	272.2	259.9	248.3	234.5	229.3	225.7	223.5	220.7	217.0
17.5°	325.5	324.6	316.7	299.9	281.8	271.6	263.6	259.9	261.3	258.4	255.6
20°	382.9	381.5	369.2	345.8	327.6	313.8	305.1	301.4	305.9	303.5	301.4
22.5°	456.5	452.8	435.4	401.9	380.8	358.2	350.2	348.7	359.0	359.0	359.0
25°	543.8	540.2	514.0	475.5	438.4	410.6	402.6	410.6	427.4	429.6	433.9
27.5°	645.1	640.8	608.7	554.9	505.2	468.1	461.5	477.5	503.8	514.0	518.4
30°	764.5	761.6	715.7	647.3	577.4	530.8	523.5	552.5	593.4	609.4	620.3
32.5°	905.8	902.1	835.9	755.0	657.5	599.2	593.4	637.7	698.9	714.2	736.2
35°	1080.5	1076.8	989.5	876.6	747.0	672.0	672.0	729.6	804.5	825.6	852.6
37.5°	1255.9	1255.2	1167.1	1016.4	846.1	752.2	753.6	819.9	910.2	943.0	967.7
40°	1427.0	1428.5	1328.1	1155.5	956.7	840.3	839.5	906.5	1000.4	1028.7	1052.9
42.5°	1582.9	1582.2	1487.5	1303.3	1071.8	935.6	922.5	988.0	1087.8	1126.4	1158.4
45°	1691.2	1699.4	1626.6	1436.5	1187.5	1034.6	1007.7	1080.5	1208.0	1261.0	1304.0
47.5°	1826.1	1826.8	1759.8	1561.8	1306.1	1137.3	1112.6	1204.3	1365.9	1421.2	1466.4
50°	1974.6	1981.8	1928.8	1718.9	1440.2	1253.0	1243.6	1359.3	1551.6	1629.4	1685.5
52.5°	2101.2	2109.9	2077.2	1898.8	1601.8	1401.5	1401.5	1548.6	1754.7	1847.9	1902.5
55°	2194.4	2209.0	2216.9	2071.4	1784.6	1575.5	1591.5	1756.8	1985.4	2096.9	2163.1
57.5°	2268.7	2289.2	2326.9	2225.0	1964.4	1784.6	1807.7	1984.7	2262.9	2366.9	2436.9
60°	2378.6	2401.9	2470.3	2389.5	2171.2	2009.5	2040.8	2233.7	2517.7	2611.6	2664.7
62.5°	2389.5	2418.0	2556.2	2568.0	2364.8	2229.4	2298.6	2487.9	2758.7	2840.3	2851.8
65°	2339.4	2376.5	2559.9	2666.2	2570.8	2435.5	2533.0	2707.0	2931.2	2985.1	2955.2
67°	2259.2	2294.9	2520.6	2680.8	2664.1	2573.0	2664.1	2807.5	2987.4	3022.9	2926.9
67.5°	2225.0	2259.2	2498.7	2677.8	2675.7	2597.1	2685.2	2829.3	2990.2	3014.3	2905.7
70°	2005.8	2053.2	2309.5	2584.7	2670.7	2618.9	2722.3	2822.0	2861.3	2852.6	2696.8
72.5°	1620.7	1665.1	1944.7	2329.8	2526.5	2500.3	2592.0	2610.1	2540.9	2481.3	2268.7
75°	1188.9	1208.6	1466.4	1880.6	2203.2	2232.9	2302.1	2261.5	2134.7	2055.3	1839.1
77.5°	825.6	845.2	1043.3	1424.2	1776.5	1887.9	1956.4	1896.6	1763.5	1641.8	1405.8
80°	546.8	556.9	712.0	1037.5	1393.5	1548.6	1607.5	1546.4	1377.6	1258.2	1034.6
82.5°	333.5	353.2	465.2	727.4	1077.5	1268.2	1311.3	1240.6	1057.9	934.1	745.6
85°	200.2	210.5	297.8	491.5	792.8	1006.2	1047.0	955.3	770.2	658.8	499.5
87.5°	123.7	128.2	187.0	318.2	556.2	751.4	795.1	686.6	519.8	439.0	334.2
90°	80.0	83.7	123.1	209.7	367.6	535.1	554.9	467.4	345.8	292.7	226.5
92.5°	53.9	56.9	83.7	139.1	241.7	351.0	365.5	308.7	228.6	195.1	154.4
95°	37.9	40.1	59.0	94.6	157.3	216.2	231.6	200.2	149.3	128.8	106.3
97.5°	29.1	30.6	44.5	68.5	106.3	139.7	145.6	130.3	101.1	88.8	77.2
100°	23.3	24.8	34.9	51.7	76.4	95.4	99.1	89.6	71.3	64.0	56.9
102.5°	20.4	20.4	28.3	40.8	57.5	70.6	71.3	64.0	52.5	47.3	43.7
105°	17.4	17.4	23.3	32.8	45.9	54.5	54.5	47.3	38.5	34.9	33.4
107.5°	14.6	15.4	19.7	26.2	36.4	43.7	42.2	34.9	27.7	25.5	24.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	12.3	13.1	16.8	21.9	29.9	35.7	33.4	26.9	20.4	19.0	19.0
112.5°	10.9	11.7	13.8	19.0	25.5	29.9	26.9	20.4	15.4	14.6	15.4
115°	10.2	10.2	12.3	16.8	21.9	24.8	22.5	16.8	12.3	11.7	12.3
117.5°	8.8	9.4	10.9	14.6	19.7	21.1	19.0	13.1	9.4	9.4	10.9
120°	8.8	8.8	10.2	13.1	17.4	19.0	16.0	10.9	8.1	8.1	9.4
122.5°	8.1	8.1	9.4	12.3	15.4	16.8	13.8	9.4	7.2	7.2	8.1
125°	8.1	8.1	9.4	11.7	13.8	13.8	11.7	8.1	6.6	6.6	7.2
127.5°	8.8	8.8	9.4	10.9	12.3	12.3	10.2	7.2	5.7	5.7	6.6
130°	8.8	8.8	8.8	10.2	10.9	10.2	8.8	6.6	5.7	5.7	6.6
132.5°	8.8	8.8	8.8	8.8	9.4	8.8	7.2	5.1	5.1	5.1	5.7
135°	8.1	8.1	7.2	8.1	8.1	6.6	5.1	3.7	4.4	4.4	5.1
137.5°	6.6	6.6	6.6	6.6	5.7	5.1	3.7	3.0	3.7	4.4	4.4
140°	5.7	5.7	5.1	5.1	4.4	3.7	2.2	3.0	3.7	3.7	3.7
142.5°	4.4	4.4	4.4	3.7	3.0	2.2	1.4	2.2	3.0	3.0	3.7
145°	3.0	3.0	3.0	2.2	1.4	0.7	1.4	1.4	2.2	3.0	3.0
147.5°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	1.4	2.2	2.2	2.2
150°	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	1.4	2.2	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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°	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2.5°	144.8	144.2	142.0	140.6	139.1	138.2	137.6	137.6	136.9	136.2	136.2
5°	147.1	145.6	142.0	139.1	136.9	135.5	133.9	133.3	131.8	131.1	131.1
7.5°	151.5	149.3	144.8	139.7	136.2	133.9	132.5	131.1	129.5	129.5	129.5
10°	160.2	157.3	150.7	144.2	138.2	135.5	133.9	132.5	132.5	131.8	131.8
12.5°	182.0	177.7	166.7	155.0	144.8	140.6	139.1	142.7	147.1	147.9	149.9
15°	211.9	207.5	193.7	177.0	160.2	150.7	155.8	162.4	169.6	175.4	175.4
17.5°	249.0	243.9	224.9	201.7	181.3	175.4	177.0	186.4	196.5	201.7	202.4
20°	294.9	287.5	261.3	229.3	206.8	198.0	200.2	209.7	224.2	231.6	233.0
22.5°	352.3	341.4	306.5	261.3	233.6	222.2	224.2	235.9	255.6	265.8	269.4
25°	425.2	411.3	358.2	299.9	260.7	243.3	249.6	268.0	292.7	307.9	307.2
27.5°	508.9	487.2	420.9	340.0	287.5	263.6	273.8	299.2	329.0	346.6	348.7
30°	609.4	581.1	489.2	382.3	311.0	281.8	294.9	327.0	360.4	383.7	385.9
32.5°	720.8	687.4	559.1	424.4	329.8	295.6	310.2	350.2	388.7	416.5	417.3
35°	835.2	792.1	625.4	460.9	345.8	306.5	321.9	367.6	412.9	444.8	447.0
37.5°	944.3	894.1	686.6	484.8	356.0	312.3	328.4	382.3	433.3	467.4	469.6
40°	1026.7	964.7	724.5	492.9	358.2	315.2	334.2	388.1	433.3	459.5	460.9
42.5°	1130.0	1048.4	752.2	484.8	352.3	315.2	336.3	380.8	415.7	433.3	433.3
45°	1268.2	1167.8	794.3	475.5	340.7	313.1	330.5	364.7	388.1	396.8	396.8
47.5°	1433.5	1302.5	837.3	468.8	332.1	307.9	321.9	345.0	357.4	358.2	356.7
50°	1642.6	1473.0	890.4	459.5	327.0	302.9	313.8	329.0	336.3	333.5	332.1
52.5°	1842.1	1624.3	928.3	447.7	324.0	300.8	309.5	322.5	324.6	315.9	313.8
55°	2080.1	1802.0	954.4	428.9	321.1	302.2	309.5	320.3	318.9	307.2	305.1
57.5°	2317.4	1968.7	977.8	412.1	318.2	304.3	312.3	321.9	318.9	307.9	305.9
60°	2499.5	2083.0	964.7	394.6	315.2	307.9	317.5	327.0	327.0	318.2	317.5
62.5°	2642.2	2151.5	933.3	376.4	313.1	311.0	324.0	337.9	340.7	334.2	333.5
65°	2674.3	2123.9	873.0	359.0	310.2	313.1	332.7	350.2	352.3	345.8	345.0
67°	2599.2	2029.1	798.8	344.4	305.9	313.8	338.5	357.4	360.4	353.8	351.6
67.5°	2566.5	1992.0	779.8	340.7	304.3	313.8	339.3	358.2	361.8	355.3	353.2
70°	2315.3	1771.4	678.6	320.3	294.9	310.2	340.7	363.4	365.5	357.4	354.7
72.5°	1918.5	1428.5	561.4	300.8	283.2	300.8	335.6	359.7	359.0	347.3	345.0
75°	1521.0	1119.7	452.1	278.1	267.2	286.1	321.9	343.0	338.5	324.6	321.9
77.5°	1155.5	837.3	367.6	255.6	249.0	267.2	298.4	313.8	305.1	291.9	289.1
80°	823.4	602.9	299.2	234.5	229.3	245.3	269.4	277.3	271.6	259.3	255.6
82.5°	576.0	433.3	249.0	213.3	210.5	222.8	238.1	246.0	243.3	232.2	229.3
85°	398.3	302.9	209.7	192.1	190.8	199.6	208.9	214.1	216.2	210.5	206.8
87.5°	268.0	222.8	178.4	168.9	169.6	176.2	182.7	187.8	194.5	193.7	190.0
90°	191.5	166.7	149.3	144.8	146.3	153.6	156.6	159.4	167.4	167.4	165.3
92.5°	136.9	126.8	120.8	119.5	122.3	128.2	129.5	130.3	136.2	136.9	132.5
95°	97.6	92.4	94.6	96.1	99.1	104.2	103.3	101.1	104.2	104.2	100.5
97.5°	72.0	70.6	75.0	76.4	78.6	83.1	80.8	77.2	79.4	76.4	74.3
100°	55.3	55.3	60.5	61.2	62.6	64.8	64.0	61.2	62.0	58.2	56.9
102.5°	43.7	44.5	48.1	48.8	50.2	52.5	50.9	49.4	48.1	43.7	43.7
105°	34.2	34.9	37.9	38.5	40.1	42.2	41.5	39.3	37.1	33.4	33.4
107.5°	26.2	27.7	29.9	30.6	32.0	34.2	33.4	30.6	27.7	25.5	25.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.4	21.9	24.1	24.8	25.5	27.7	26.2	23.3	21.1	19.7	19.7
112.5°	16.8	17.4	19.7	20.4	21.1	22.5	21.1	18.1	16.0	15.4	15.4
115°	13.8	14.6	16.0	16.8	18.1	18.1	16.8	13.8	12.3	12.3	12.3
117.5°	11.7	12.3	13.8	14.6	14.6	15.4	13.1	10.9	9.4	10.2	10.2
120°	10.2	10.2	11.7	11.7	12.3	12.3	10.9	8.8	7.2	8.1	8.8
122.5°	8.8	8.8	9.4	10.2	10.2	10.2	8.8	7.2	5.7	6.6	7.2
125°	7.2	8.1	8.1	8.8	8.8	8.8	7.2	5.7	5.1	5.7	5.7
127.5°	7.2	7.2	7.2	7.2	7.2	7.2	5.7	4.4	4.4	5.1	5.1
130°	6.6	6.6	6.6	6.6	5.7	5.1	4.4	3.0	3.7	4.4	4.4
132.5°	5.7	5.7	5.7	5.1	4.4	3.7	3.0	2.2	2.2	3.7	3.7
135°	5.1	5.1	4.4	3.7	3.0	2.2	1.4	1.4	1.4	3.0	3.0
137.5°	4.4	4.4	3.7	3.0	2.2	1.4	0.7	0.0	0.7	1.4	1.4
140°	4.4	4.4	3.7	2.2	1.4	0.7	0.0	0.0	0.0	0.7	0.7
142.5°	3.7	3.7	3.0	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.0	3.0	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)