

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: P417321

Luminaire Tested: **LXF.LXT-PA1-90-827-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P417321  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-90-827-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6741 lumens  
Efficiency: N/A  
Efficacy: 71.7 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: B1 - U3 - G3

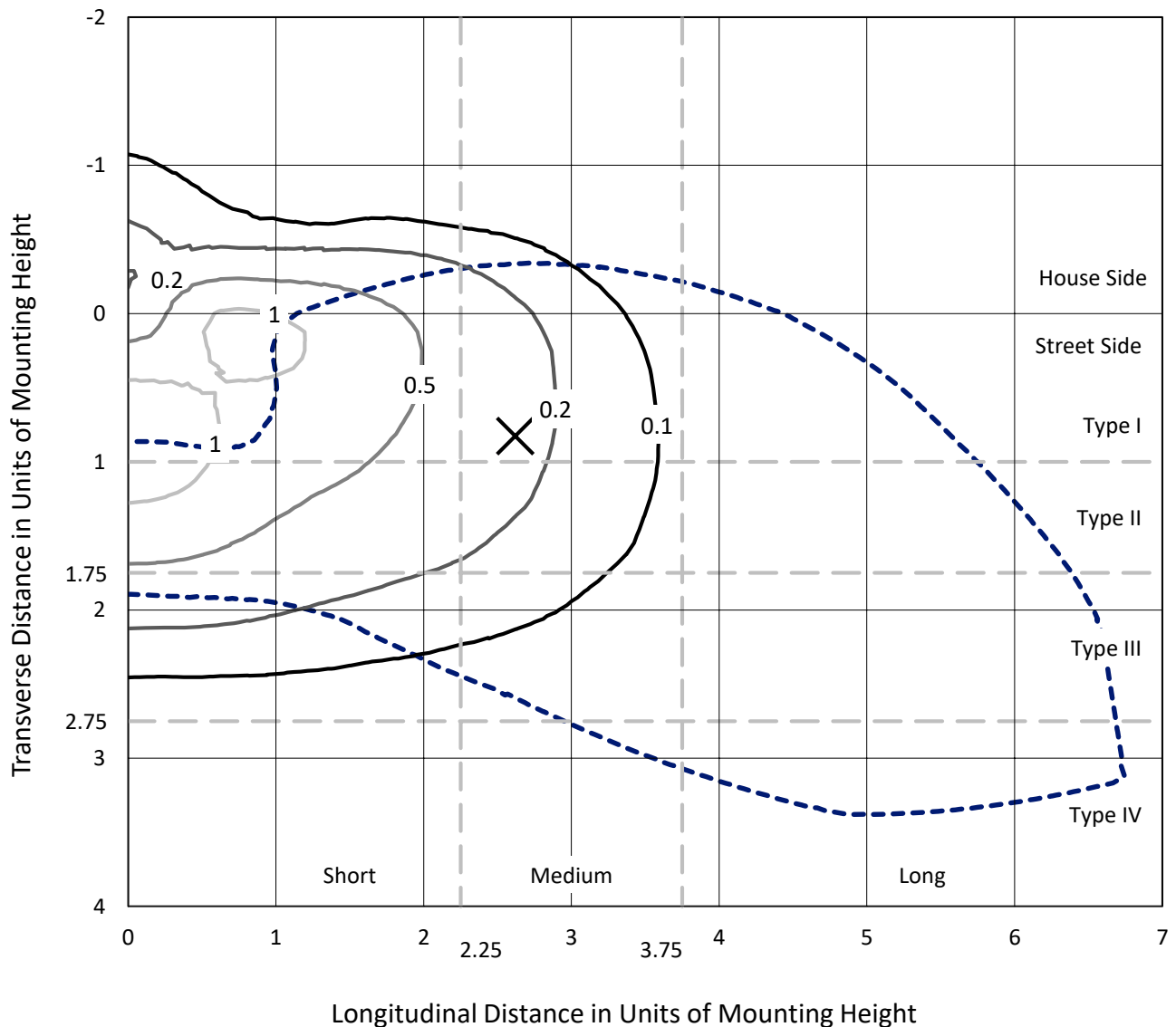
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

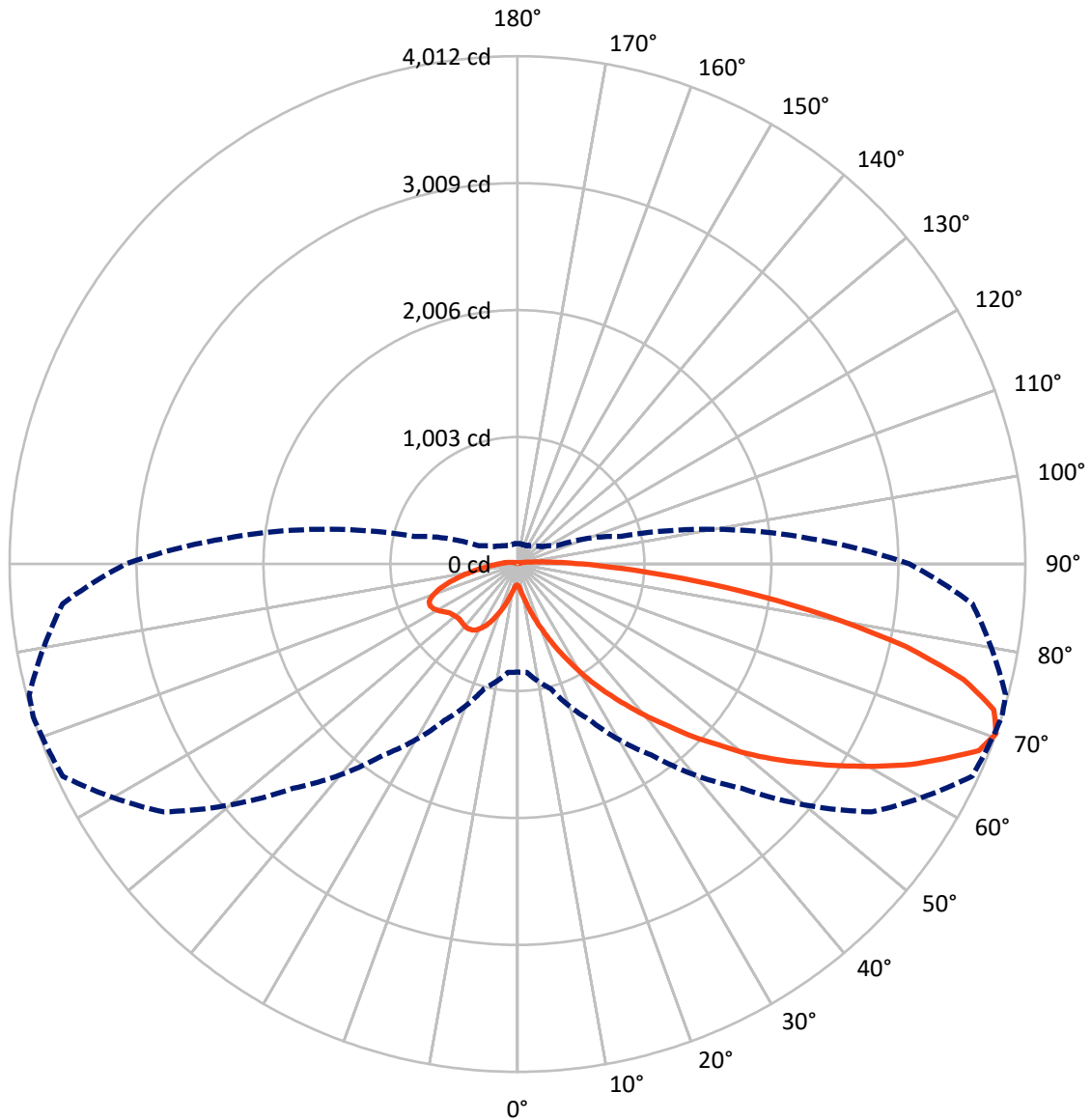
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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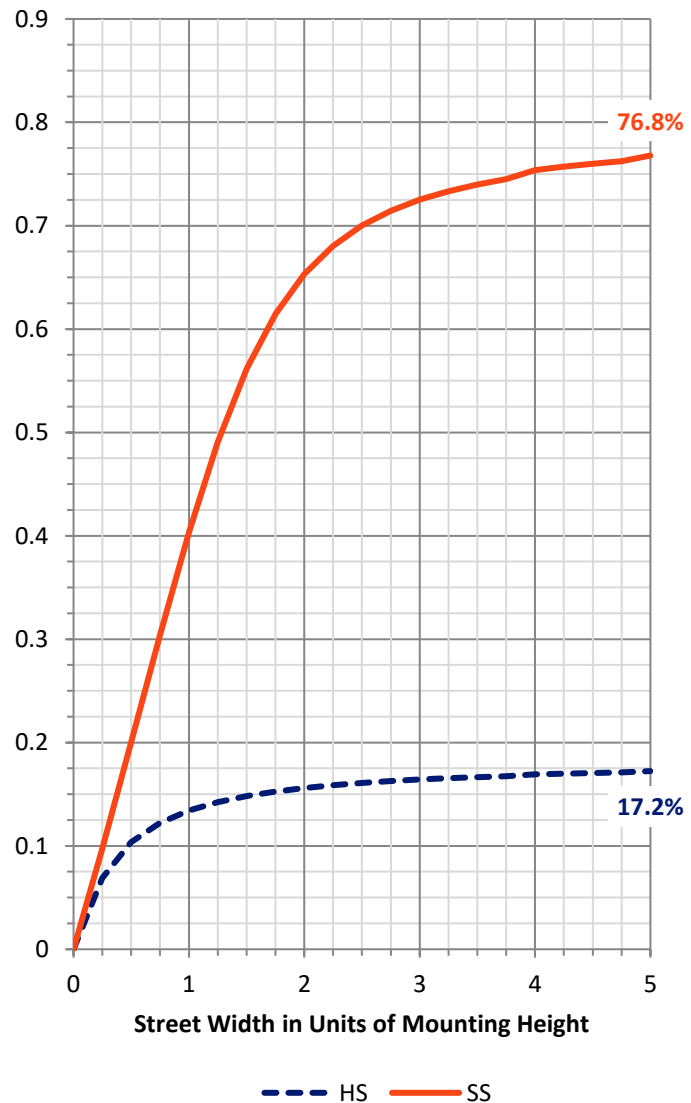
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1211.8	109.9	1321.8
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	5292.3	126.9	5419.3
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	6504.1	236.9	6741.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.0	0.3
10°-20°	91.2	1.4
20°-30°	254.7	3.8
30°-40°	528.0	7.8
40°-50°	911.9	13.5
50°-60°	1346.7	20.0
60°-70°	1589.6	23.6
70°-80°	1261.5	18.7
80°-90°	501.5	7.4
90°-100°	132.6	2.0
100°-110°	51.1	0.8
110°-120°	24.9	0.4
120°-130°	14.1	0.2
130°-140°	8.3	0.1
140°-150°	3.9	0.1
150°-160°	1.3	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6504.1	96.5
0°-180°	6741.0	100.0

**Coefficient of Utilization**



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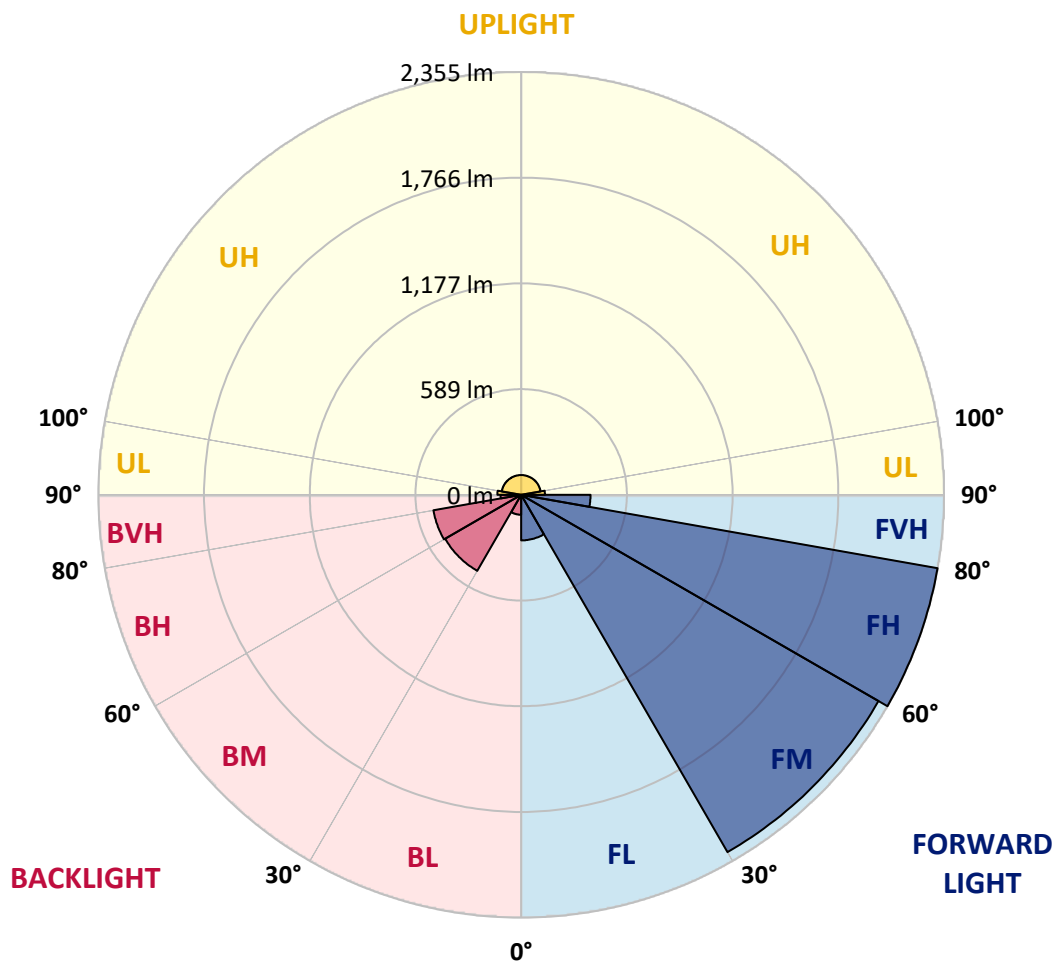
CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.7	3.8			
FM	(30°-60°)	2297.6	34.1			
FH	(60°-80°)	2354.8	34.9			G2/5000
FVH	(80°-90°)	386.2	5.7			G3/500
BL	(0°-30°)	111.2	1.6	B1/500		
BM	(30°-60°)	489.0	7.3	B1/1000		
BH	(60°-80°)	496.3	7.4	B1/500		G1/500
BVH	(80°-90°)	115.3	1.7			G2/225
UL	(90°-100°)	132.6	2.0		U3/500	
UH	(100°-180°)	109.9	1.6		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8
2.5°	189.4	190.2	189.4	189.4	187.8	187.1	182.3	179.1	176.8	175.2	172.8
5°	219.6	221.1	220.3	220.3	216.4	214.0	208.5	202.1	197.4	196.6	189.4
7.5°	260.0	259.2	256.0	255.2	253.6	249.7	241.7	232.2	227.5	225.9	215.6
10°	309.9	305.9	307.5	302.0	298.8	292.5	285.3	278.2	268.7	268.7	254.4
12.5°	359.8	368.6	366.2	358.3	351.9	341.6	332.9	330.5	319.4	321.0	307.5
15°	441.5	440.7	433.6	428.0	415.3	402.6	394.7	389.2	386.0	383.6	368.6
17.5°	527.9	523.1	517.6	500.9	482.7	471.6	464.5	458.9	462.9	462.1	443.9
20°	627.7	622.2	614.3	584.2	560.4	542.9	539.0	545.3	547.7	554.0	535.8
22.5°	738.7	736.3	717.3	683.2	642.8	619.8	615.9	630.9	649.1	652.3	639.6
25°	871.9	868.7	842.5	793.4	740.3	705.4	705.4	729.2	759.3	766.5	760.1
27.5°	1014.5	1006.6	972.5	912.3	839.4	794.2	788.6	831.4	873.5	894.1	886.1
30°	1178.6	1177.0	1120.8	1047.0	959.9	887.7	885.3	948.0	1007.4	1016.9	1018.5
32.5°	1347.4	1360.9	1295.9	1185.7	1080.3	995.5	991.6	1062.1	1144.5	1161.2	1161.2
35°	1542.4	1543.2	1463.2	1353.8	1209.5	1112.8	1101.7	1185.7	1277.7	1300.7	1313.4
37.5°	1739.0	1734.2	1662.1	1511.5	1349.8	1233.3	1223.0	1322.1	1426.7	1464.0	1461.6
40°	1932.4	1945.9	1854.7	1688.3	1493.3	1375.2	1349.8	1466.3	1586.8	1628.8	1612.2
42.5°	2140.8	2137.7	2056.0	1870.6	1653.4	1512.3	1497.2	1617.7	1751.7	1799.2	1784.2
45°	2323.1	2321.6	2232.8	2047.3	1806.4	1670.8	1650.2	1777.8	1945.9	1990.2	1959.3
47.5°	2491.2	2487.2	2395.3	2206.6	1940.3	1822.2	1823.8	1954.6	2132.9	2205.8	2158.3
50°	2621.2	2607.7	2549.8	2346.1	2085.4	1981.5	2011.6	2165.4	2355.6	2421.4	2369.9
52.5°	2690.9	2670.3	2625.1	2443.6	2222.5	2139.3	2197.1	2379.4	2567.3	2629.9	2573.6
55°	2657.6	2657.6	2632.3	2503.1	2320.0	2283.5	2400.0	2583.9	2779.7	2848.6	2798.7
57.5°	2523.7	2544.3	2556.2	2487.2	2387.3	2426.2	2610.9	2816.9	3004.8	3080.9	3015.1
60°	2289.1	2294.6	2381.8	2401.6	2414.3	2547.5	2829.6	3075.3	3244.2	3304.4	3229.9
62.5°	1957.0	1983.1	2089.3	2236.0	2374.7	2648.1	3059.5	3335.3	3487.5	3527.9	3419.3
65°	1587.6	1581.3	1777.8	1997.4	2265.3	2677.4	3244.9	3587.4	3705.5	3759.4	3570.7
67.5°	1204.0	1200.0	1381.5	1703.3	2079.8	2646.5	3395.5	3801.4	3931.4	3932.9	3665.8
70°	853.6	860.0	1020.9	1362.5	1840.4	2505.4	3413.8	3964.6	4012.2	3993.2	3608.0
72.5°	579.4	584.2	737.1	1043.9	1523.4	2277.2	3261.6	3947.2	3936.1	3883.0	3370.2
75°	373.3	405.0	518.4	793.4	1233.3	1948.2	2966.0	3697.5	3639.7	3551.7	2957.2
77.5°	257.6	273.5	360.6	577.8	963.8	1609.0	2546.7	3195.8	3135.6	3027.8	2384.2
80°	174.4	181.5	248.1	432.0	758.5	1265.0	2075.1	2572.8	2469.0	2358.0	1788.1
82.5°	116.5	130.0	178.3	309.9	573.9	976.5	1578.1	1964.9	1800.0	1704.1	1256.3
85°	77.7	84.8	126.8	225.1	415.3	711.0	1135.8	1334.8	1189.7	1104.9	802.9
87.5°	52.3	58.7	90.4	160.9	307.5	516.8	760.9	862.4	745.8	692.7	485.9
90°	34.9	38.8	66.6	115.7	217.2	360.6	513.6	532.6	457.3	424.8	297.2
92.5°	24.6	28.5	49.9	85.6	152.2	250.5	329.7	322.6	269.5	253.6	191.8
95°	19.0	22.2	38.8	65.8	111.0	172.0	214.8	196.6	170.4	164.9	132.4
97.5°	16.6	18.2	32.5	53.1	84.0	122.1	139.5	133.2	114.9	111.8	96.7
100°	15.1	16.6	28.5	46.0	67.4	89.6	99.9	92.7	83.2	80.8	71.3
102.5°	14.3	15.1	25.4	39.6	55.5	70.5	76.9	69.0	61.8	61.0	54.7
105°	13.5	14.3	22.2	34.1	46.8	57.9	60.2	53.9	48.3	46.0	41.2
107.5°	12.7	12.7	19.8	30.1	40.4	48.3	49.9	43.6	37.3	35.7	32.5
110°	11.9	12.7	18.2	26.9	35.7	42.0	42.0	35.7	29.3	27.7	26.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.9	11.9	16.6	23.8	31.7	36.5	35.7	29.3	23.8	21.4	21.4
115°	11.1	11.9	15.9	22.2	28.5	31.7	30.1	24.6	19.0	17.4	18.2
117.5°	11.1	11.9	14.3	19.8	25.4	27.7	26.2	20.6	15.9	15.1	16.6
120°	11.1	11.9	14.3	18.2	22.2	24.6	23.0	17.4	14.3	13.5	15.1
122.5°	11.9	11.9	13.5	16.6	20.6	22.2	19.8	15.1	12.7	11.9	13.5
125°	11.9	11.9	13.5	15.9	19.0	19.8	17.4	13.5	11.1	11.1	12.7
127.5°	11.9	11.9	13.5	15.1	17.4	17.4	15.9	11.9	10.3	10.3	11.9
130°	11.9	11.9	12.7	14.3	15.9	15.9	13.5	10.3	9.5	9.5	11.1
132.5°	12.7	12.7	12.7	13.5	14.3	14.3	11.9	9.5	8.7	8.7	11.1
135°	11.9	11.9	11.9	12.7	12.7	12.7	10.3	8.7	7.9	8.7	10.3
137.5°	11.1	11.1	11.9	11.9	11.9	11.1	8.7	7.1	7.1	7.9	9.5
140°	11.1	10.3	11.1	11.1	10.3	9.5	7.9	6.3	6.3	7.1	7.9
142.5°	9.5	9.5	9.5	9.5	8.7	7.9	6.3	5.5	6.3	6.3	7.1
145°	8.7	8.7	8.7	7.9	7.9	6.3	4.8	4.8	4.8	5.5	6.3
147.5°	7.1	7.1	7.1	7.1	6.3	5.5	3.2	4.0	4.0	4.0	4.8
150°	5.5	5.5	6.3	5.5	4.8	4.0	2.4	3.2	4.0	4.0	4.0
152.5°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	3.2	3.2	3.2	4.0
155°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	1.6	1.6	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8	168.8
2.5°	171.2	169.6	166.4	163.3	160.9	158.5	156.9	154.6	153.0	153.0	153.0
5°	184.7	183.1	175.2	167.2	160.1	153.8	149.0	143.5	141.1	138.7	139.5
7.5°	211.6	206.1	193.4	179.9	168.0	155.4	145.8	137.9	133.2	130.0	130.0
10°	248.1	239.4	220.3	199.7	179.9	161.7	147.4	136.3	128.4	125.2	125.2
12.5°	294.9	286.1	256.8	225.9	195.8	169.6	151.4	137.1	128.4	124.4	124.4
15°	357.5	342.4	302.8	258.4	214.8	179.1	155.4	143.5	137.9	135.5	135.5
17.5°	432.0	409.8	358.3	291.7	233.8	188.6	165.7	154.6	149.8	149.0	149.0
20°	519.2	491.4	413.7	325.0	248.9	200.5	174.4	164.9	163.3	164.1	164.1
22.5°	618.2	577.8	470.8	355.1	263.1	207.7	180.7	172.8	174.4	178.3	177.5
25°	722.9	680.1	533.4	382.0	272.7	210.8	184.7	179.9	186.3	191.0	191.0
27.5°	844.9	778.3	590.5	401.1	275.0	208.5	185.5	183.1	191.8	198.9	200.5
30°	969.4	883.8	639.6	413.0	270.3	202.9	182.3	183.9	194.2	203.7	204.5
32.5°	1095.4	983.6	680.1	415.3	262.4	195.8	179.1	182.3	193.4	203.7	205.3
35°	1220.6	1077.2	707.0	406.6	249.7	188.6	173.6	179.1	190.2	202.1	203.7
37.5°	1343.5	1165.9	723.7	392.3	237.0	182.3	169.6	175.2	186.3	199.7	201.3
40°	1477.4	1261.0	733.2	375.7	224.3	176.8	167.2	172.8	183.9	196.6	198.9
42.5°	1600.3	1348.2	734.0	355.1	214.8	174.4	165.7	170.4	180.7	194.2	196.6
45°	1760.4	1437.8	734.0	337.7	208.5	173.6	165.7	169.6	179.1	193.4	196.6
47.5°	1911.8	1540.8	735.5	322.6	205.3	175.2	167.2	168.8	176.8	193.4	196.6
50°	2087.7	1639.9	748.2	311.5	204.5	178.3	169.6	168.0	174.4	191.8	195.8
52.5°	2262.9	1770.7	764.1	303.6	206.1	181.5	171.2	168.0	172.0	187.8	192.6
55°	2454.7	1895.1	781.5	304.4	209.2	184.7	173.6	167.2	168.8	181.5	186.3
57.5°	2646.5	2041.0	819.6	309.1	213.2	188.6	176.0	167.2	164.9	174.4	178.3
60°	2814.6	2169.4	859.2	319.4	218.8	192.6	177.5	166.4	161.7	167.2	170.4
62.5°	2992.1	2309.7	890.9	328.1	225.1	195.8	177.5	165.7	159.3	163.3	164.9
65°	3107.8	2392.9	907.5	339.2	231.4	198.2	178.3	164.1	158.5	160.9	162.5
67.5°	3167.3	2406.4	896.4	343.2	237.0	199.7	177.5	162.5	159.3	160.9	162.5
70°	3096.7	2316.8	843.3	340.8	238.6	199.7	176.0	160.9	159.3	161.7	162.5
72.5°	2841.5	2101.2	764.9	328.9	236.2	196.6	173.6	158.5	158.5	162.5	162.5
75°	2446.8	1791.3	661.8	310.7	229.9	191.8	168.8	154.6	156.1	161.7	161.7
77.5°	1959.3	1417.2	545.3	284.5	218.0	183.9	162.5	149.0	153.0	159.3	158.5
80°	1458.4	1055.8	439.1	255.2	202.1	172.8	153.8	142.7	148.2	153.8	152.2
82.5°	971.7	741.1	347.2	224.3	185.5	161.7	144.3	134.0	141.1	146.6	144.3
85°	630.9	493.8	268.7	193.4	168.0	149.0	132.4	124.4	131.6	136.3	134.0
87.5°	393.1	331.3	204.5	164.9	149.8	134.7	122.1	113.3	120.5	125.2	122.1
90°	260.0	221.9	160.9	142.7	133.2	121.3	109.4	103.0	110.2	111.8	109.4
92.5°	171.2	156.9	130.8	122.1	117.3	107.8	99.1	93.5	99.1	99.9	98.3
95°	122.9	118.9	107.8	106.2	103.8	95.9	88.8	84.0	87.2	88.0	84.8
97.5°	93.5	92.7	91.9	91.9	90.4	84.8	78.5	74.5	76.1	75.3	72.9
100°	72.9	74.5	76.9	78.5	77.7	73.7	69.0	65.8	66.6	63.4	61.0
102.5°	57.1	60.2	64.2	66.6	66.6	63.4	61.0	57.9	55.5	51.5	50.7
105°	45.2	47.6	53.1	57.1	57.1	55.5	53.1	49.1	46.8	42.0	42.0
107.5°	35.7	38.8	45.2	48.3	49.1	47.6	46.0	42.8	38.8	34.1	34.1
110°	28.5	30.9	38.0	41.2	42.0	41.2	39.6	35.7	31.7	28.5	28.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.8	26.2	31.7	34.9	36.5	35.7	34.1	30.1	26.2	23.8	23.8
115°	20.6	23.0	26.9	30.1	30.9	30.9	28.5	26.2	21.4	20.6	20.6
117.5°	18.2	19.8	23.8	26.2	27.7	26.9	24.6	22.2	19.0	18.2	18.2
120°	16.6	18.2	21.4	23.8	23.8	23.0	21.4	19.0	16.6	15.9	16.6
122.5°	15.1	16.6	19.0	20.6	20.6	20.6	19.0	16.6	14.3	14.3	15.1
125°	14.3	15.1	17.4	18.2	19.0	18.2	16.6	14.3	12.7	13.5	13.5
127.5°	13.5	14.3	15.9	16.6	16.6	15.9	14.3	12.7	11.1	11.9	12.7
130°	12.7	13.5	14.3	15.1	15.1	14.3	12.7	11.1	10.3	11.1	11.1
132.5°	11.1	11.9	12.7	13.5	12.7	12.7	11.1	9.5	9.5	10.3	10.3
135°	10.3	11.1	11.1	11.9	11.1	11.1	9.5	8.7	8.7	9.5	9.5
137.5°	9.5	10.3	10.3	10.3	9.5	9.5	8.7	7.9	7.9	7.9	8.7
140°	8.7	8.7	8.7	8.7	7.9	7.9	7.1	6.3	7.1	7.1	7.1
142.5°	7.9	7.9	7.9	7.1	7.1	6.3	5.5	5.5	6.3	6.3	6.3
145°	6.3	6.3	6.3	5.5	5.5	4.8	4.8	4.8	5.5	5.5	5.5
147.5°	5.5	5.5	5.5	4.8	4.0	4.0	4.0	4.0	4.8	4.8	4.8
150°	4.8	4.8	4.8	4.0	3.2	3.2	2.4	3.2	4.0	4.0	4.0
152.5°	4.0	4.0	4.0	4.0	3.2	1.6	2.4	3.2	3.2	3.2	3.2
155°	3.2	3.2	4.0	3.2	2.4	0.8	1.6	2.4	2.4	2.4	2.4
157.5°	3.2	3.2	3.2	2.4	1.6	0.8	1.6	1.6	2.4	1.6	2.4
160°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	0.8	0.8	0.8
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	0.8	0.8	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)