

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: P413763

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA 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: 7934 lumens  
Efficiency: N/A  
Efficacy: 82.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G4

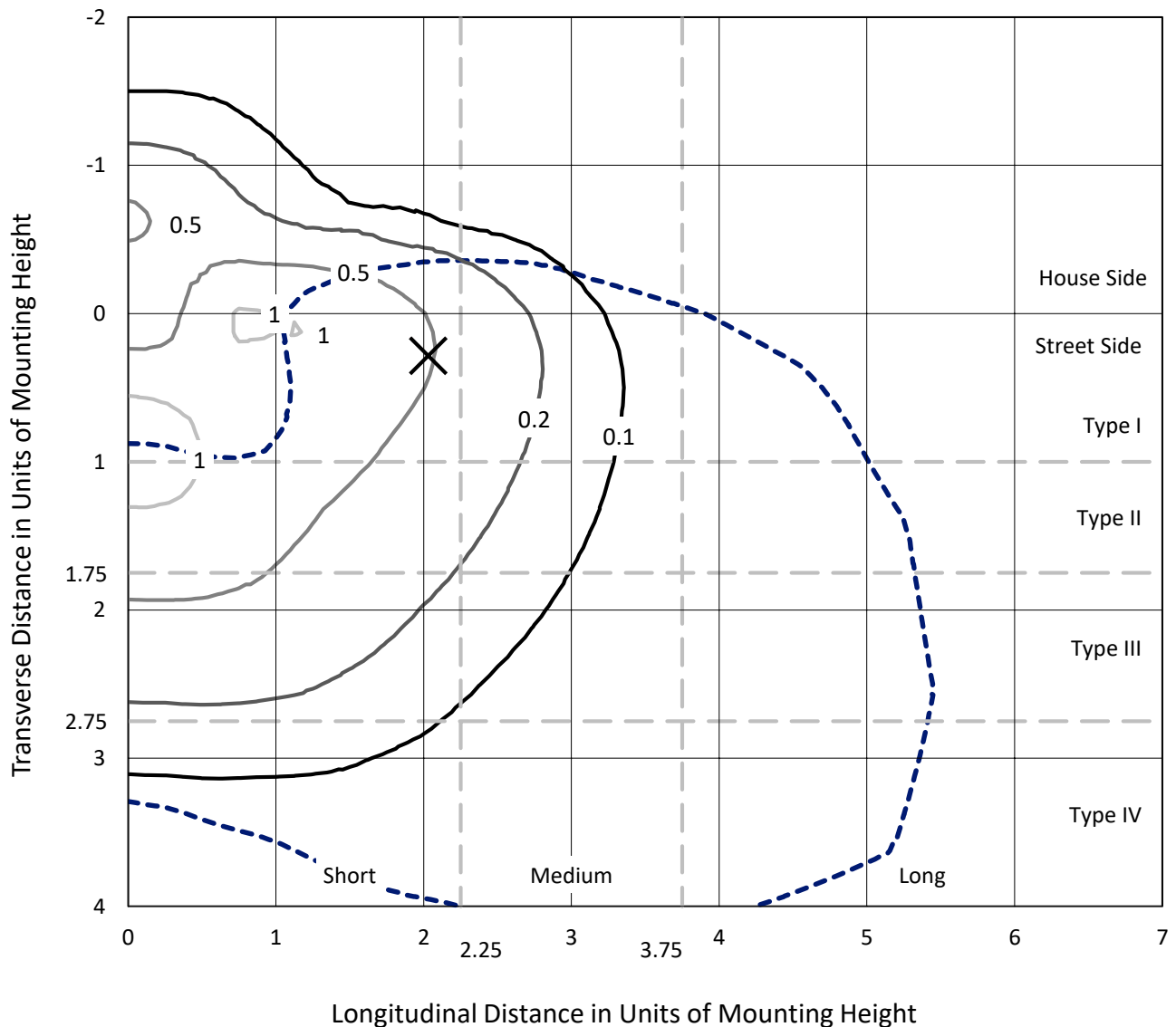
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

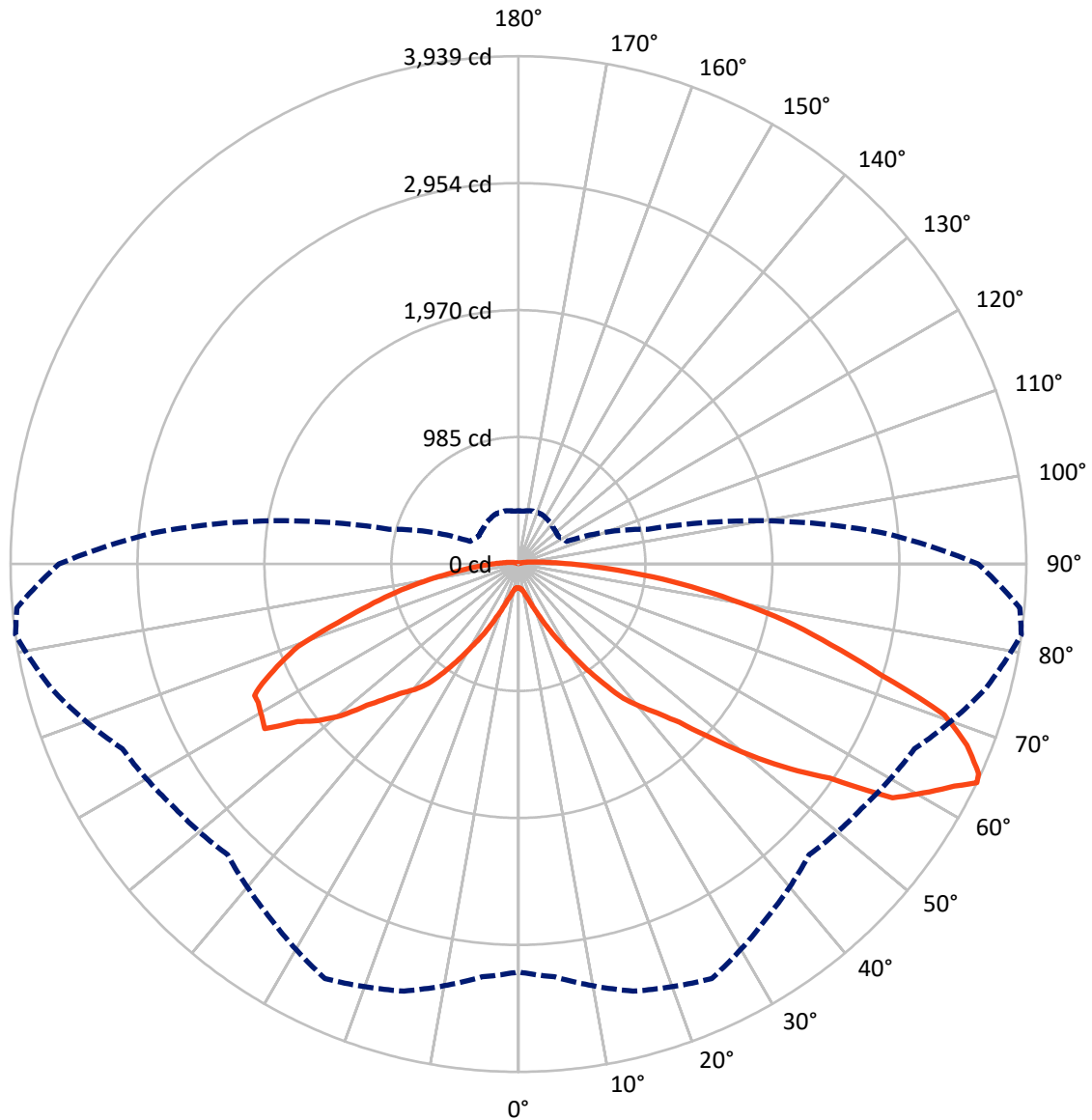
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical



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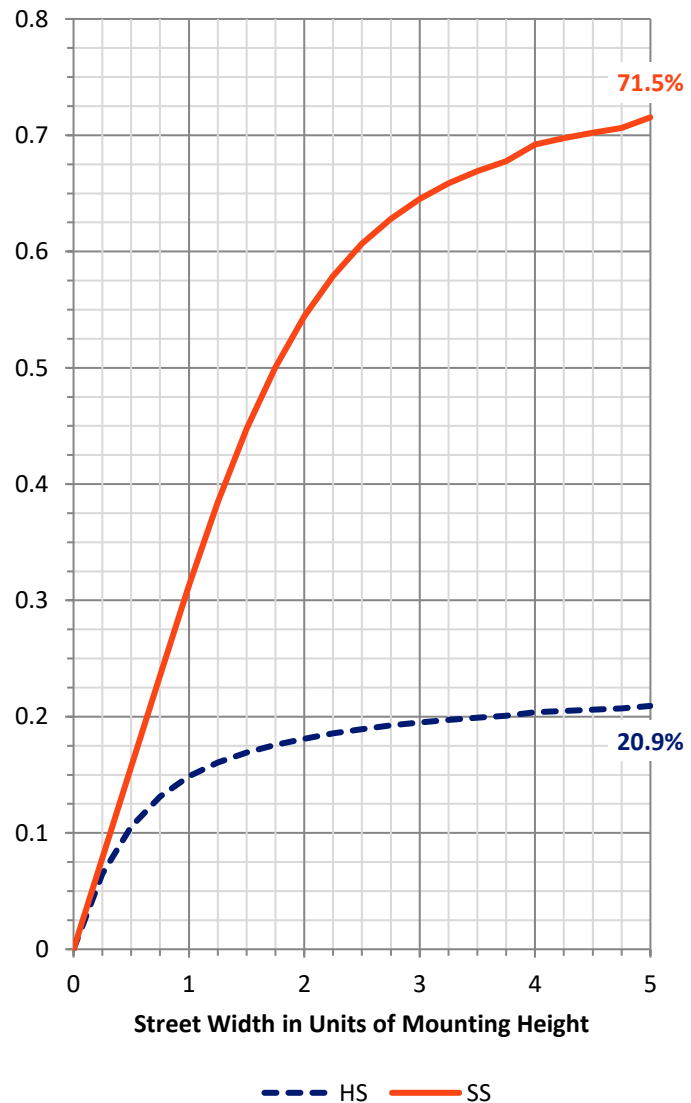
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1744.1	130.7	1874.8
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	5888.0	171.2	6059.2
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	7632.1	301.9	7934.0
	% Fixture	96.2	3.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.1	0.2
10°-20°	81.6	1.0
20°-30°	235.2	3.0
30°-40°	539.9	6.8
40°-50°	948.2	12.0
50°-60°	1523.2	19.2
60°-70°	2044.6	25.8
70°-80°	1563.2	19.7
80°-90°	677.1	8.5
90°-100°	190.2	2.4
100°-110°	57.7	0.7
110°-120°	25.4	0.3
120°-130°	14.5	0.2
130°-140°	8.8	0.1
140°-150°	3.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7632.1	96.2
0°-180°	7934.0	100.0



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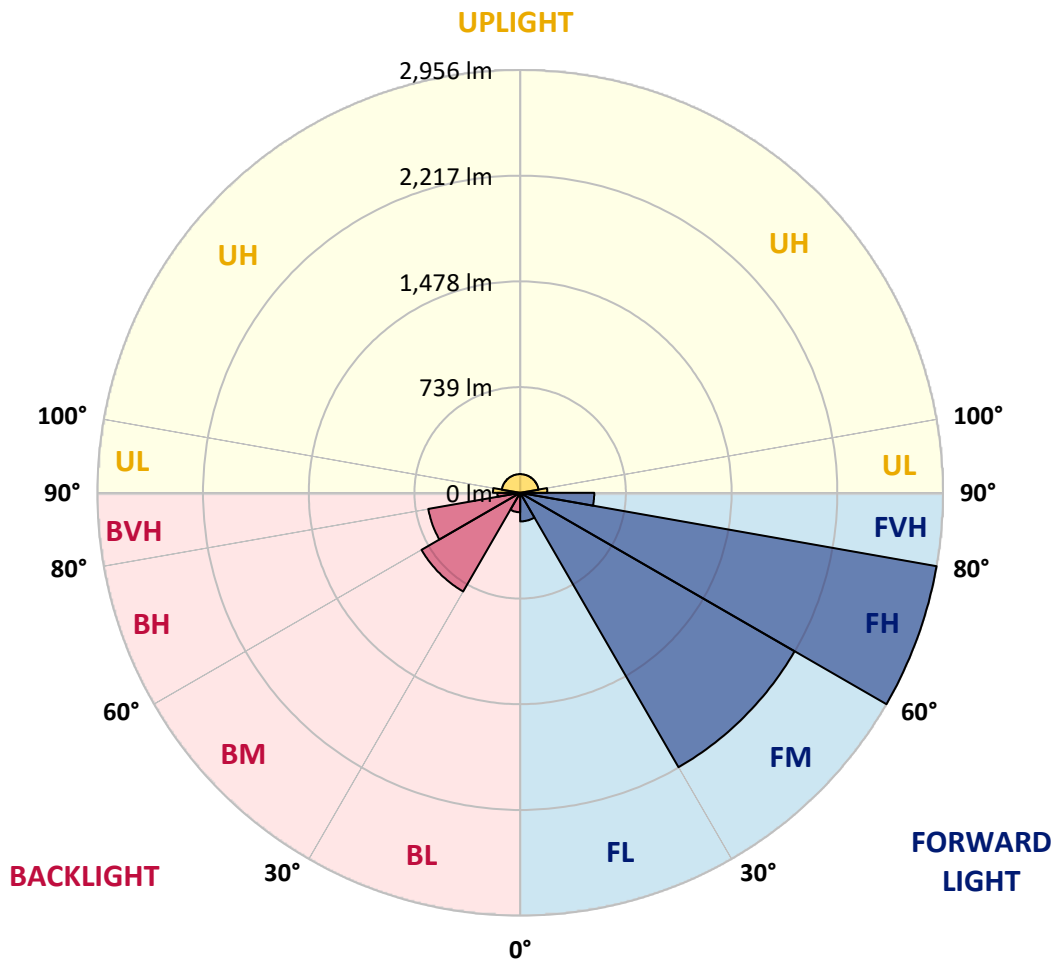
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.8	2.5			
FM	(30°-60°)	2214.8	27.9			
FH	(60°-80°)	2955.9	37.3			G2/5000
FVH	(80°-90°)	517.6	6.5			G4/750
BL	(0°-30°)	136.1	1.7	B1/500		
BM	(30°-60°)	796.6	10.0	B1/1000		
BH	(60°-80°)	652.0	8.2	B2/1000		G2/1000
BVH	(80°-90°)	159.5	2.0			G2/225
UL	(90°-100°)	190.2	2.4		U3/500	
UH	(100°-180°)	130.7	1.6		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	199.1	198.2	198.2	199.1	199.1	197.2	193.6	190.8	188.1	187.2	186.3
5°	217.3	216.4	215.5	216.4	213.7	210.9	205.5	200.0	196.3	192.7	191.8
7.5°	242.0	241.1	240.2	238.3	234.7	229.2	221.0	213.7	207.3	202.7	200.9
10°	273.9	270.3	269.4	265.7	259.3	250.2	241.1	231.9	224.6	218.2	215.5
12.5°	317.8	317.8	310.5	302.3	291.3	277.6	265.7	258.4	251.1	247.5	242.0
15°	371.7	369.8	362.5	348.8	330.6	315.0	302.3	293.1	288.6	282.2	279.4
17.5°	431.0	427.4	421.0	400.0	378.0	361.6	347.0	337.9	335.1	329.6	328.7
20°	508.6	503.1	487.6	462.1	431.9	413.7	400.0	389.9	389.0	390.8	389.9
22.5°	600.9	597.2	578.0	531.5	497.7	471.2	452.9	454.7	466.6	472.1	464.8
25°	711.3	715.0	683.0	620.9	576.2	531.5	524.1	534.2	560.7	575.3	576.2
27.5°	841.9	841.0	799.0	730.5	661.1	610.9	599.0	628.2	665.7	686.7	686.7
30°	988.0	1000.8	941.5	852.0	755.2	695.8	686.7	731.4	770.7	808.1	819.1
32.5°	1182.5	1179.8	1103.1	995.3	866.6	782.6	775.3	831.9	920.5	972.5	972.5
35°	1424.5	1414.5	1307.6	1146.0	973.4	879.4	880.3	958.8	1075.7	1139.6	1146.0
37.5°	1632.7	1640.9	1533.2	1336.9	1111.3	989.9	1000.8	1106.7	1247.4	1322.2	1347.8
40°	1855.5	1858.3	1739.5	1525.9	1260.1	1107.7	1134.1	1256.5	1389.8	1451.9	1476.6
42.5°	2051.8	2068.3	1949.6	1715.8	1410.8	1251.9	1264.7	1371.6	1504.0	1577.9	1612.6
45°	2187.0	2196.1	2123.1	1890.2	1574.3	1398.9	1397.1	1496.7	1667.4	1749.6	1805.3
47.5°	2370.5	2395.2	2290.2	2065.5	1742.3	1548.7	1533.2	1661.0	1885.7	2019.0	2066.5
50°	2586.0	2623.5	2549.5	2278.3	1934.1	1724.9	1727.7	1880.2	2156.9	2331.3	2380.6
52.5°	2800.6	2815.2	2765.9	2534.0	2156.9	1930.4	1952.3	2143.2	2460.9	2639.9	2670.0
55°	2915.7	2936.7	2951.3	2767.8	2424.4	2174.2	2212.6	2442.7	2720.3	2930.3	2998.8
57.5°	3025.3	3054.5	3092.8	2967.7	2690.1	2475.5	2513.0	2717.5	3123.0	3422.5	3474.5
60°	3210.6	3236.2	3310.2	3207.9	2933.9	2763.2	2802.5	3090.1	3400.6	3606.9	3612.4
62.5°	3207.9	3248.1	3427.0	3452.6	3195.1	3039.9	3135.8	3291.0	3536.6	3796.0	3790.5
64°	3164.1	3214.3	3429.8	3548.5	3354.0	3189.6	3272.7	3389.6	3747.6	3939.3	3904.6
65°	3133.0	3188.7	3421.6	3573.2	3440.7	3274.6	3336.6	3471.8	3808.7	3922.9	3875.4
67.5°	2962.3	3024.4	3333.0	3570.4	3530.2	3407.9	3428.0	3554.0	3707.4	3752.1	3667.2
70°	2656.4	2689.2	3039.9	3420.7	3441.7	3324.8	3379.6	3444.4	3528.4	3506.5	3395.1
72.5°	2096.6	2164.2	2518.5	3060.9	3180.5	3096.5	3117.5	3149.5	3064.5	2938.5	2806.1
75°	1493.0	1553.3	1883.8	2414.4	2769.6	2735.8	2765.0	2713.9	2619.8	2504.8	2375.1
77.5°	1038.3	1057.4	1330.5	1821.7	2213.5	2316.7	2379.7	2307.5	2254.6	2116.7	2012.6
80°	672.1	704.0	875.7	1319.5	1754.2	1965.1	2066.5	2019.9	1896.6	1676.5	1557.8
82.5°	416.4	442.0	577.1	936.9	1390.7	1683.8	1781.6	1717.6	1520.4	1274.8	1156.0
85°	238.3	243.8	337.9	610.0	1016.3	1337.8	1468.3	1366.1	1136.9	899.5	795.4
87.5°	137.0	141.5	201.8	373.5	703.1	1008.1	1132.3	983.5	763.4	578.0	509.5
90°	87.7	93.1	130.6	243.8	452.9	720.5	811.8	674.8	511.4	366.2	322.3
92.5°	60.3	63.0	87.7	151.6	292.2	475.8	542.4	451.1	318.7	233.8	207.3
95°	43.8	45.7	62.1	103.2	188.1	298.6	335.1	285.8	209.1	155.2	138.8
97.5°	35.6	36.5	48.4	75.8	129.7	189.9	200.9	178.1	138.8	110.5	104.1
100°	30.1	31.0	40.2	58.4	92.2	124.2	126.9	119.6	97.7	82.2	78.5
102.5°	27.4	27.4	33.8	47.5	69.4	88.6	88.6	82.2	67.6	60.3	60.3
105°	24.7	24.7	29.2	39.3	54.8	68.5	67.6	60.3	51.1	45.7	46.6
107.5°	21.9	21.9	25.6	32.0	44.7	53.9	52.0	44.7	39.3	35.6	36.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	20.1	20.1	22.8	27.4	37.4	44.7	42.0	34.7	29.2	29.2	30.1
112.5°	18.3	18.3	20.1	24.7	32.0	36.5	33.8	27.4	23.7	23.7	24.7
115°	16.4	16.4	18.3	21.9	28.3	31.0	28.3	21.9	19.2	20.1	21.9
117.5°	15.5	15.5	17.3	20.1	24.7	26.5	23.7	18.3	16.4	18.3	19.2
120°	14.6	14.6	16.4	19.2	22.8	23.7	20.1	16.4	14.6	16.4	17.3
122.5°	14.6	14.6	15.5	18.3	21.0	21.0	18.3	14.6	12.8	14.6	15.5
125°	14.6	14.6	15.5	17.3	19.2	19.2	16.4	12.8	11.9	13.7	13.7
127.5°	15.5	15.5	16.4	17.3	18.3	17.3	14.6	11.9	11.0	12.8	12.8
130°	15.5	15.5	15.5	16.4	16.4	15.5	12.8	11.0	11.0	11.9	12.8
132.5°	15.5	15.5	15.5	15.5	15.5	13.7	11.9	10.0	11.0	11.9	12.8
135°	14.6	14.6	14.6	14.6	13.7	11.9	10.0	8.2	10.0	11.0	11.0
137.5°	12.8	13.7	12.8	12.8	12.8	11.0	8.2	7.3	8.2	10.0	10.0
140°	11.9	11.9	11.9	11.9	11.0	9.1	7.3	5.5	6.4	8.2	8.2
142.5°	11.0	11.0	11.0	10.0	10.0	8.2	5.5	4.6	5.5	6.4	6.4
145°	9.1	9.1	9.1	9.1	8.2	6.4	4.6	3.7	4.6	5.5	5.5
147.5°	7.3	7.3	7.3	7.3	6.4	5.5	3.7	3.7	4.6	4.6	4.6
150°	5.5	6.4	6.4	6.4	5.5	4.6	2.7	2.7	3.7	4.6	4.6
152.5°	4.6	4.6	4.6	5.5	4.6	2.7	1.8	2.7	3.7	3.7	3.7
155°	2.7	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7
157.5°	1.8	1.8	2.7	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
160°	0.9	0.9	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7
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°	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4	185.4
2.5°	185.4	184.5	182.6	180.8	179.9	179.9	178.1	177.2	174.4	174.4	173.5
5°	189.0	187.2	183.5	179.9	177.2	176.2	174.4	171.7	169.8	168.9	168.9
7.5°	197.2	194.5	187.2	182.6	179.0	176.2	174.4	171.7	169.8	168.9	168.9
10°	210.9	206.4	198.2	189.9	184.5	180.8	179.0	178.1	177.2	176.2	176.2
12.5°	237.4	231.0	217.3	207.3	196.3	190.8	189.0	190.8	195.4	197.2	198.2
15°	273.9	265.7	249.3	231.0	214.6	205.5	209.1	218.2	226.5	230.1	229.2
17.5°	319.6	306.8	286.7	262.1	239.2	234.7	238.3	248.4	260.2	265.7	264.8
20°	378.0	368.0	337.9	297.7	272.1	264.8	267.6	280.3	297.7	303.2	305.0
22.5°	458.4	443.8	397.2	341.5	307.7	294.0	296.8	313.2	337.0	349.7	352.5
25°	562.5	547.0	478.5	393.6	340.6	319.6	330.6	352.5	390.8	410.9	409.1
27.5°	683.0	656.6	567.1	457.5	379.0	346.1	362.5	398.1	438.3	463.9	462.1
30°	794.4	771.6	652.0	515.9	411.8	371.7	389.0	434.7	481.2	512.3	514.1
32.5°	961.5	919.5	751.5	566.2	438.3	392.7	409.1	464.8	518.7	556.1	555.2
35°	1134.1	1086.6	861.1	624.6	461.1	406.4	423.7	486.7	546.1	590.8	591.7
37.5°	1315.8	1249.2	958.8	662.9	479.4	414.6	431.9	502.2	578.0	629.2	631.0
40°	1438.2	1362.4	1018.2	683.0	484.9	420.0	439.2	513.2	583.5	620.9	624.6
42.5°	1575.2	1468.3	1049.2	666.6	478.5	419.1	441.1	505.0	559.8	586.2	589.0
45°	1764.2	1620.8	1083.0	641.0	461.1	416.4	433.7	483.1	518.7	528.7	528.7
47.5°	2009.8	1806.2	1139.6	613.6	442.9	408.2	421.0	452.9	466.6	464.8	460.2
50°	2304.8	2069.2	1208.1	589.9	425.5	398.1	406.4	424.6	429.2	423.7	421.0
52.5°	2598.8	2281.0	1255.6	568.9	414.6	389.0	394.5	408.2	408.2	391.7	389.0
55°	2868.2	2472.8	1242.8	528.7	406.4	384.4	389.9	400.0	391.7	372.6	368.9
57.5°	3303.8	2804.3	1275.7	489.4	394.5	383.5	390.8	397.2	385.3	367.1	363.4
60°	3381.4	2790.6	1198.1	464.8	386.3	386.3	394.5	401.8	393.6	377.1	376.2
62.5°	3489.1	2803.4	1080.3	429.2	380.8	388.1	402.7	413.7	412.7	400.9	399.0
64°	3564.9	2821.6	1038.3	412.7	376.2	388.1	409.1	425.5	425.5	411.8	411.8
65°	3490.1	2752.2	1007.2	404.5	371.7	388.1	412.7	432.8	431.0	420.0	418.2
67.5°	3263.6	2526.7	875.7	386.3	361.6	388.1	422.8	444.7	447.4	438.3	434.7
70°	2986.9	2280.1	761.6	365.3	351.6	383.5	422.8	452.0	456.6	446.5	443.8
72.5°	2434.5	1833.6	628.2	342.4	337.0	372.6	417.3	448.4	452.9	441.1	437.4
75°	2040.9	1497.6	520.5	320.5	321.4	358.9	403.6	431.9	431.9	419.1	413.7
77.5°	1681.1	1209.0	431.0	299.5	303.2	341.5	379.0	397.2	391.7	379.9	372.6
80°	1259.2	913.1	355.2	276.7	280.3	313.2	344.3	357.0	351.6	337.0	335.1
82.5°	921.4	656.6	303.2	252.9	255.7	282.2	305.0	315.9	320.5	308.6	305.0
85°	605.4	463.0	260.2	229.2	231.0	251.1	265.7	274.9	284.9	281.3	279.4
87.5°	395.4	320.5	220.1	201.8	203.6	220.1	230.1	239.2	259.3	262.1	258.4
90°	265.7	224.6	181.7	174.4	177.2	190.8	196.3	205.5	227.4	231.0	231.0
92.5°	178.1	160.7	147.0	147.0	151.6	163.5	164.4	167.1	185.4	189.9	188.1
95°	125.1	119.6	118.7	120.5	126.0	135.1	130.6	128.8	140.6	141.5	139.7
97.5°	95.9	94.1	95.9	98.6	101.4	110.5	105.9	101.4	106.8	105.0	106.8
100°	76.7	75.8	78.5	78.5	81.3	89.5	85.8	83.1	84.0	80.4	80.4
102.5°	61.2	61.2	63.9	64.8	66.7	73.1	72.1	69.4	67.6	63.9	64.8
105°	47.5	48.4	52.0	53.0	55.7	61.2	60.3	56.6	54.8	50.2	51.1
107.5°	38.4	40.2	42.9	43.8	46.6	51.1	49.3	45.7	42.9	41.1	41.1



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.0	32.9	35.6	36.5	39.3	42.9	42.0	37.4	33.8	32.9	33.8
112.5°	26.5	28.3	30.1	31.0	33.8	36.5	33.8	30.1	27.4	28.3	28.3
115°	22.8	23.7	25.6	26.5	28.3	31.0	28.3	24.7	22.8	23.7	24.7
117.5°	21.0	21.9	22.8	22.8	24.7	26.5	23.7	21.0	20.1	21.0	21.9
120°	18.3	19.2	20.1	21.0	21.9	22.8	21.0	18.3	17.3	19.2	19.2
122.5°	16.4	17.3	17.3	18.3	19.2	20.1	18.3	16.4	15.5	16.4	17.3
125°	14.6	15.5	16.4	16.4	17.3	17.3	16.4	14.6	14.6	15.5	15.5
127.5°	13.7	14.6	14.6	15.5	15.5	15.5	14.6	12.8	13.7	14.6	14.6
130°	13.7	13.7	13.7	13.7	13.7	13.7	12.8	11.9	12.8	13.7	13.7
132.5°	12.8	12.8	12.8	12.8	12.8	11.9	11.0	11.0	11.9	12.8	12.8
135°	11.9	11.9	11.0	11.0	11.0	11.0	10.0	10.0	10.0	11.0	11.0
137.5°	10.0	10.0	9.1	9.1	9.1	9.1	8.2	8.2	9.1	10.0	10.0
140°	8.2	8.2	7.3	7.3	7.3	7.3	7.3	7.3	8.2	8.2	9.1
142.5°	6.4	6.4	6.4	5.5	5.5	6.4	6.4	6.4	7.3	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	5.5	5.5	5.5	6.4	6.4	6.4
147.5°	4.6	4.6	4.6	3.7	2.7	4.6	4.6	4.6	5.5	4.6	4.6
150°	4.6	4.6	3.7	2.7	2.7	2.7	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	2.7	1.8	1.8	2.7	3.7	2.7	2.7	2.7
155°	3.7	3.7	2.7	2.7	1.8	0.9	1.8	2.7	1.8	1.8	1.8
157.5°	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	0.9	1.8	1.8	0.9	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)