

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: P413988

Luminaire Tested: **LXF.LXT-PA1-100-827-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413988  
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-PA1-100-827-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 7030.9 lumens  
Efficiency: N/A  
Efficacy: 73.2 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): 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

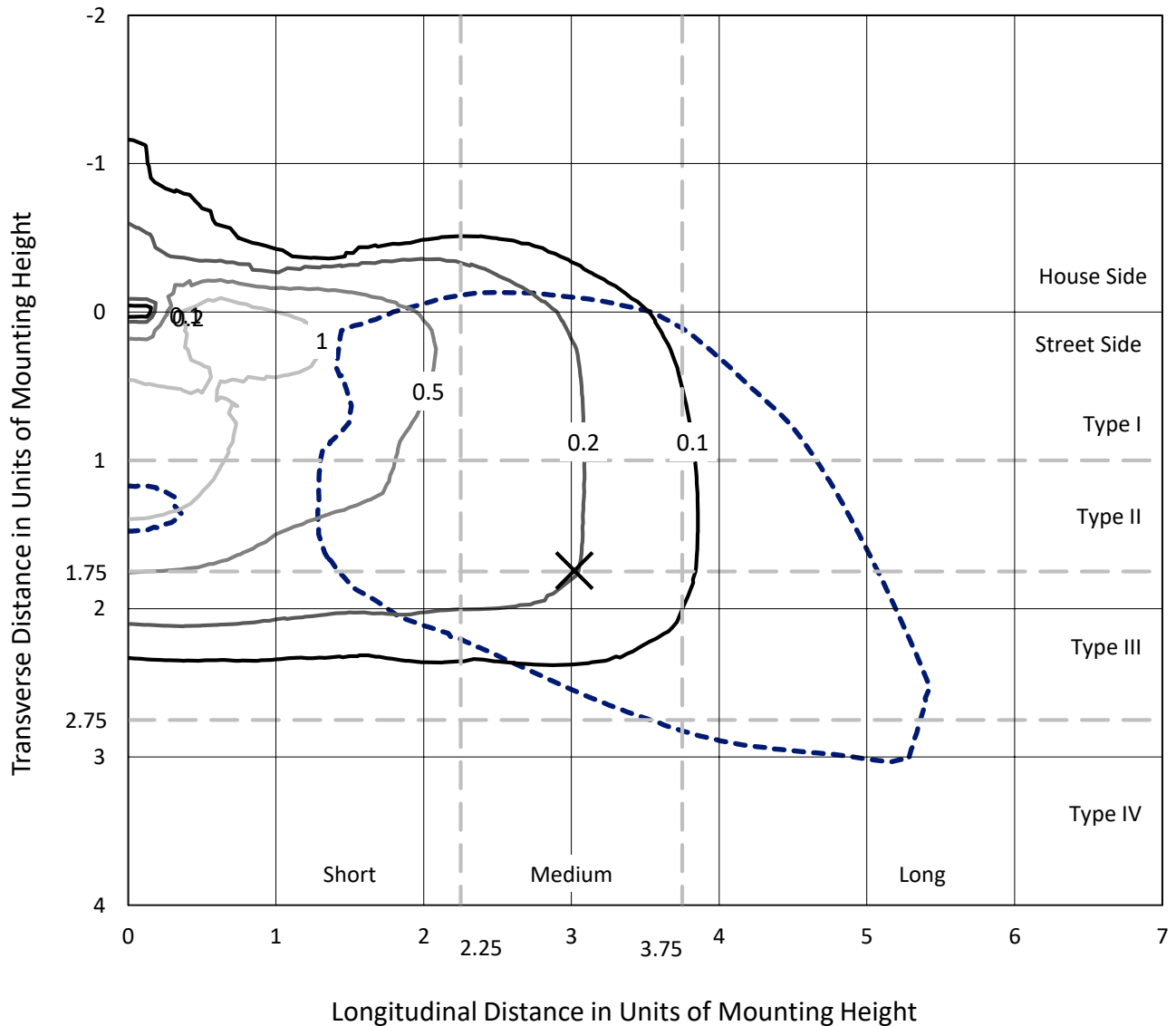


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

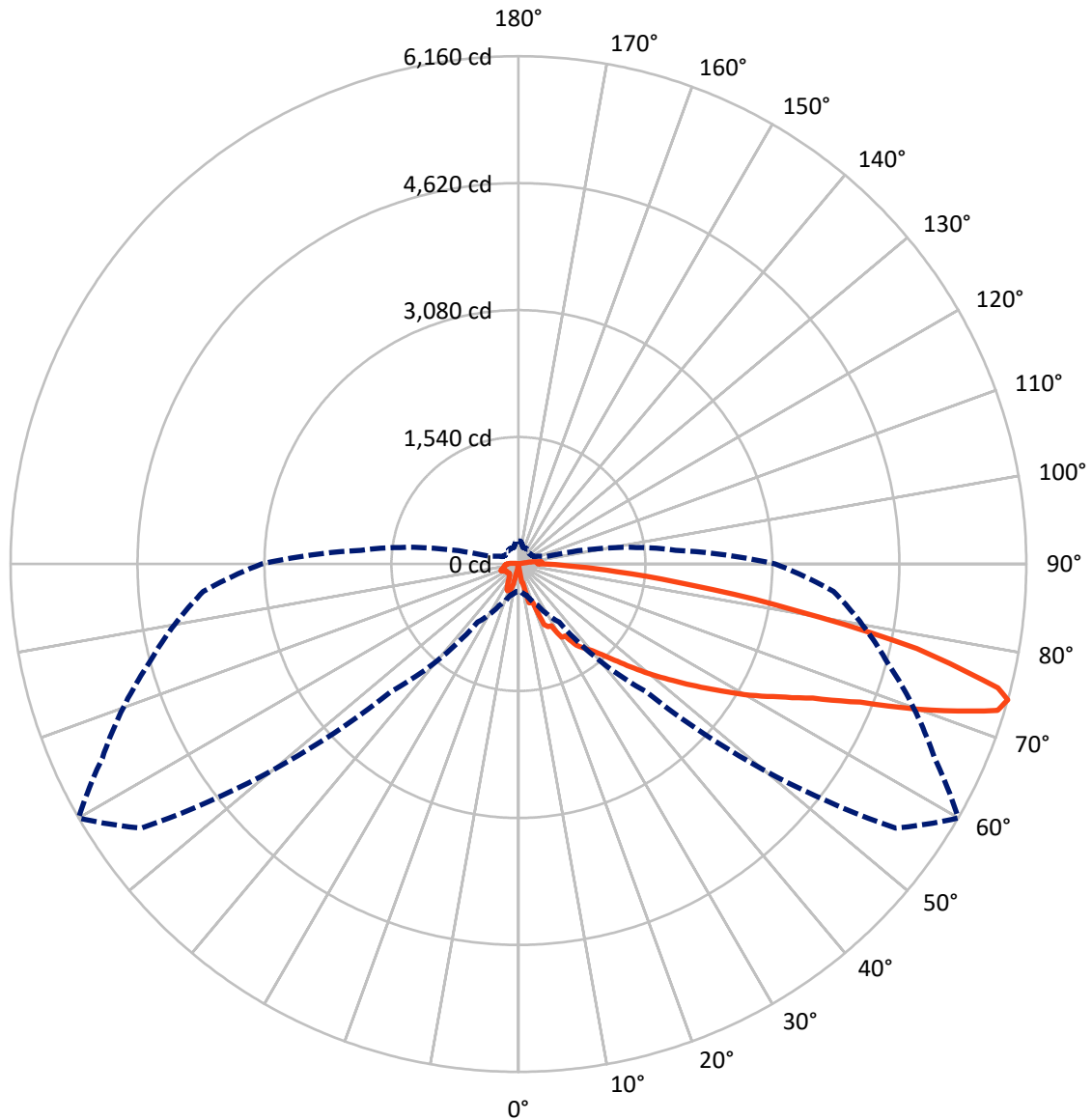


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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

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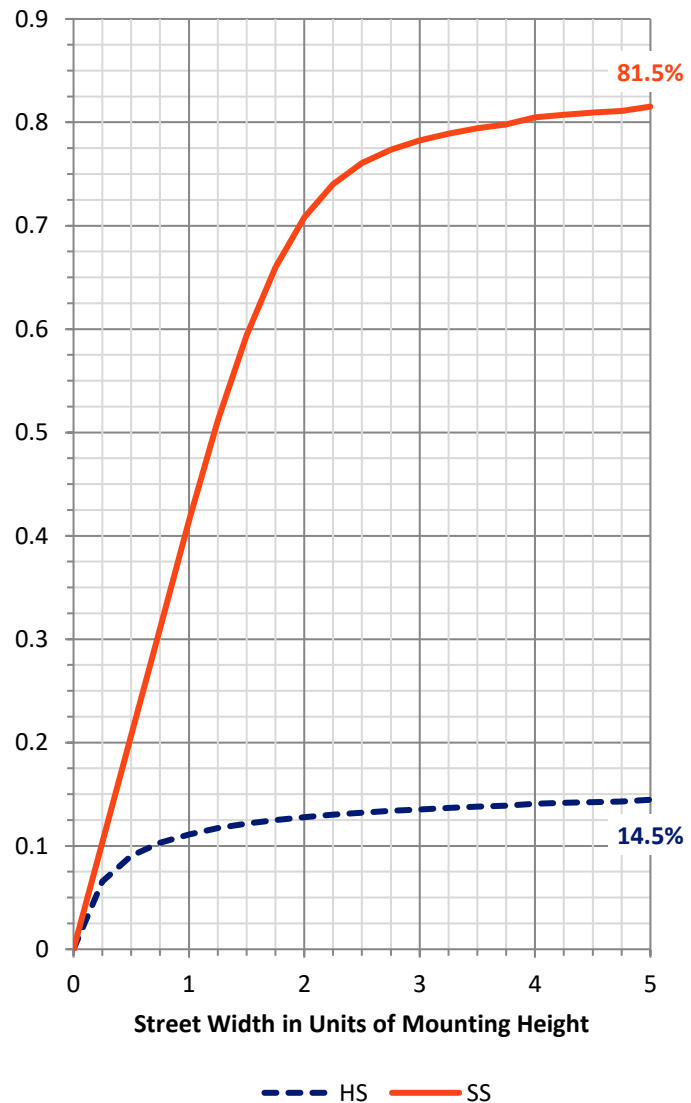
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1079.1	68.3	1147.3
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	5810.4	73.2	5883.6
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	6889.4	141.5	7030.9
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.1
10°-20°	89.8	1.3
20°-30°	271.9	3.9
30°-40°	544.2	7.7
40°-50°	933.6	13.3
50°-60°	1423.2	20.2
60°-70°	1753.6	24.9
70°-80°	1466.0	20.9
80°-90°	399.3	5.7
90°-100°	103.1	1.5
100°-110°	18.5	0.3
110°-120°	6.8	0.1
120°-130°	5.2	0.1
130°-140°	3.6	0.1
140°-150°	2.9	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6889.4	98.0
0°-180°	7030.9	100.0



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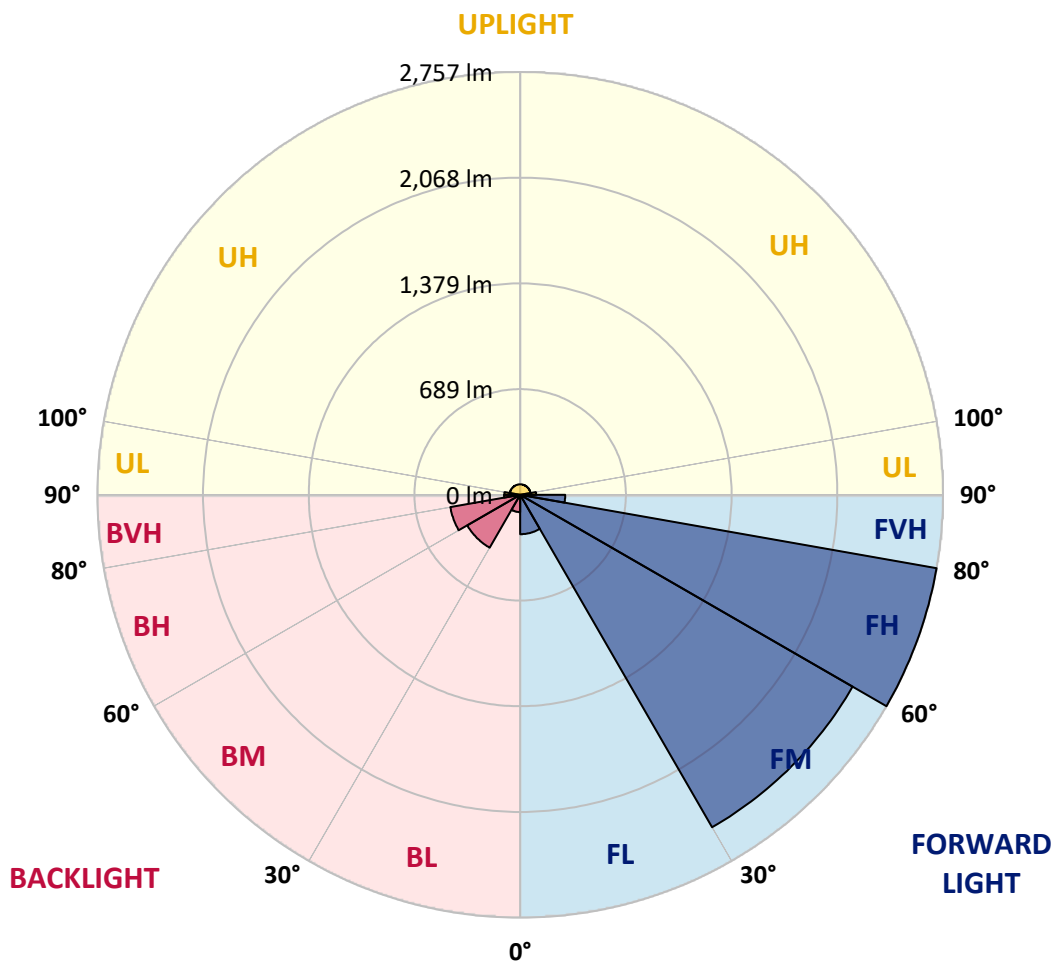
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.8	3.7			
FM (30°-60°)	2503.0	35.6			
FH (60°-80°)	2757.2	39.2			G2/5000
FVH (80°-90°)	293.5	4.2			G3/500
BL (0°-30°)	112.7	1.6	B1/500		
BM (30°-60°)	398.1	5.7	B1/1000		
BH (60°-80°)	462.5	6.6	B1/500		G1/500
BVH (80°-90°)	105.8	1.5			G2/225
UL (90°-100°)	103.1	1.5		U3/500	
UH (100°-180°)	68.3	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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	8.8	8.0	7.2	8.0	8.8	8.0	6.4	5.6	4.8	4.8	4.8
5°	234.4	231.2	229.5	179.0	42.5	26.5	10.4	7.2	6.4	4.8	4.8
7.5°	237.6	234.4	235.2	234.4	230.4	230.4	74.6	27.3	15.2	5.6	5.6
10°	250.4	245.6	239.2	238.4	236.8	234.4	230.4	225.5	51.4	8.8	8.0
12.5°	462.3	459.9	456.7	352.3	255.2	237.6	235.2	229.5	176.6	33.7	155.7
15°	459.1	458.3	452.7	455.1	454.3	258.4	293.0	488.8	469.5	340.3	392.5
17.5°	481.6	479.2	462.3	451.9	452.7	516.1	479.2	482.4	484.0	430.2	420.6
20°	653.3	649.3	647.7	629.2	459.9	606.0	618.0	500.8	512.9	667.8	746.4
22.5°	661.4	655.7	649.3	644.5	725.6	603.6	653.3	797.8	761.7	883.7	833.1
25°	893.3	878.1	814.7	659.7	724.8	695.1	845.2	841.1	796.2	922.2	890.9
27.5°	967.2	956.7	910.2	874.9	739.2	832.3	840.3	849.2	1001.7	1272.1	1185.5
30°	1295.4	1214.4	1004.9	983.2	882.1	839.5	960.7	1029.8	1126.9	1277.8	1253.7
32.5°	1483.2	1443.9	1342.8	1187.9	1033.0	918.2	1041.8	1041.8	1132.5	1544.2	1585.2
35°	1787.4	1660.6	1463.2	1358.0	1178.2	1098.8	1073.9	1209.5	1338.8	1622.1	1619.7
37.5°	1897.4	1885.3	1811.5	1488.9	1385.3	1195.1	1252.1	1293.8	1403.0	1734.5	1729.6
40°	1957.6	1984.1	1989.7	1771.4	1538.6	1380.5	1360.4	1383.7	1488.9	1892.6	1831.6
42.5°	2161.4	2171.1	2200.8	1952.0	1768.2	1582.8	1526.6	1516.9	1590.0	2076.4	1966.4
45°	2490.5	2495.3	2473.7	2159.8	1955.2	1783.4	1720.8	1683.9	1748.1	2258.6	2137.4
47.5°	2867.7	2879.0	2774.6	2395.0	2125.3	1976.8	1943.1	1886.1	1927.1	2423.1	2350.1
50°	3167.9	3164.7	2978.5	2585.2	2297.1	2175.1	2164.7	2111.7	2116.5	2622.9	2579.6
52.5°	3245.8	3241.0	3082.0	2725.7	2453.6	2381.4	2428.7	2346.8	2304.3	2830.0	2818.0
55°	3128.6	3137.4	3062.8	2784.3	2553.1	2562.7	2685.5	2614.9	2557.1	3025.9	3045.1
57.5°	2959.2	2948.8	2960.0	2806.7	2631.0	2740.1	2991.3	2903.1	2847.7	3247.4	3269.0
60°	2645.4	2631.0	2776.2	2782.7	2703.2	2940.8	3316.4	3230.5	3152.7	3480.9	3457.7
62.5°	2167.9	2149.4	2411.9	2635.0	2785.9	3175.9	3637.4	3544.3	3468.9	3728.9	3684.8
65°	1443.1	1530.6	1838.0	2312.3	2755.4	3514.6	4062.0	3922.4	3785.1	3983.4	3975.4
67.5°	837.1	899.7	1125.3	1644.6	2504.2	3804.4	4735.4	4470.6	4233.8	4271.5	4253.1
70°	519.3	538.6	636.5	948.7	1764.9	3708.9	5481.9	5310.9	4809.3	4592.6	4296.4
72.5°	402.9	415.8	471.9	619.6	1073.1	2868.5	5836.6	6076.6	5390.4	4676.8	4082.9
74°	329.9	337.9	396.5	554.6	861.2	2187.1	5584.6	6160.1	5568.5	4635.9	3837.3
75°	260.8	268.9	334.7	532.1	818.7	1744.9	5211.4	6005.2	5574.2	4572.5	3541.1
77.5°	159.7	165.3	180.6	367.6	744.0	996.8	3845.3	4943.3	4940.1	3797.2	2539.5
80°	126.8	128.4	134.8	193.4	606.0	903.7	2435.1	3411.9	3387.0	2279.4	1301.0
82.5°	87.5	93.9	106.7	125.2	322.7	885.3	1535.4	2119.7	1828.4	867.6	544.2
85°	58.6	63.4	81.1	93.1	172.6	942.3	1102.0	1192.7	899.7	429.4	358.8
87.5°	24.1	24.9	36.9	44.9	69.8	451.9	741.6	590.7	414.1	272.1	292.2
90°	12.8	12.8	9.6	10.4	25.7	97.1	242.4	235.2	195.0	223.9	274.5
92.5°	14.4	14.4	9.6	10.4	24.9	76.2	262.5	268.1	223.9	238.4	293.8
95°	16.1	16.1	9.6	9.6	24.1	52.2	252.0	283.3	230.4	250.4	296.2
97.5°	17.7	18.5	8.8	8.8	19.3	39.3	158.1	193.4	150.1	130.0	142.1
100°	18.5	18.5	8.0	8.0	12.8	28.1	73.0	93.1	72.2	33.7	23.3
102.5°	18.5	19.3	8.0	7.2	8.8	17.7	23.3	33.7	26.5	20.1	21.7
105°	17.7	19.3	8.0	7.2	7.2	9.6	12.0	13.6	14.4	14.4	22.5
107.5°	13.6	15.2	6.4	7.2	6.4	6.4	4.8	5.6	7.2	12.8	22.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	9.6	9.6	4.8	6.4	5.6	6.4	4.0	4.8	6.4	9.6	18.5
112.5°	4.8	4.0	3.2	4.8	4.8	5.6	4.0	4.0	5.6	8.0	12.8
115°	3.2	4.0	2.4	3.2	4.0	4.0	3.2	4.0	4.8	8.0	13.6
117.5°	3.2	3.2	2.4	3.2	4.0	3.2	3.2	4.0	4.8	8.0	13.6
120°	4.0	3.2	2.4	3.2	3.2	2.4	3.2	4.0	4.0	8.0	13.6
122.5°	4.0	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	8.0	12.8
125°	4.8	4.0	3.2	3.2	3.2	2.4	3.2	3.2	4.0	7.2	12.0
127.5°	4.8	4.8	3.2	3.2	4.0	2.4	3.2	3.2	4.0	6.4	11.2
130°	4.8	4.8	4.0	3.2	4.0	3.2	3.2	3.2	4.0	5.6	9.6
132.5°	4.8	4.8	4.0	4.0	4.0	3.2	3.2	3.2	3.2	4.8	8.0
135°	5.6	4.8	4.0	4.0	4.8	3.2	3.2	3.2	3.2	4.0	5.6
137.5°	5.6	5.6	4.8	4.8	5.6	4.0	3.2	4.0	4.0	4.0	4.8
140°	6.4	6.4	6.4	5.6	5.6	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	8.0	7.2	7.2	6.4	5.6	4.0	4.0	4.0	4.8	4.8	4.8
145°	8.8	8.8	8.0	7.2	5.6	4.0	4.0	4.8	4.8	5.6	5.6
147.5°	8.8	8.8	8.0	6.4	4.8	3.2	4.0	4.8	4.8	5.6	6.4
150°	8.8	8.0	7.2	5.6	4.0	2.4	3.2	4.0	4.8	5.6	6.4
152.5°	6.4	6.4	5.6	4.0	3.2	1.6	2.4	3.2	4.0	4.8	5.6
155°	4.0	4.0	3.2	2.4	2.4	1.6	2.4	3.2	3.2	4.0	4.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	3.2	3.2
160°	0.8	0.8	1.6	0.8	1.6	1.6	1.6	2.4	2.4	2.4	2.4
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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	4.8	4.8	4.8	4.0	4.0	2.4	3.2	3.2	4.0	4.8	5.6
5°	4.8	5.6	4.8	4.0	4.0	3.2	4.0	4.0	4.0	5.6	5.6
7.5°	5.6	5.6	4.8	4.8	4.0	3.2	5.6	173.4	199.0	205.5	207.1
10°	7.2	7.2	6.4	5.6	4.8	187.0	206.3	206.3	204.7	206.3	206.3
12.5°	159.7	171.8	27.3	13.6	154.1	194.2	189.4	186.2	183.0	179.8	178.2
15°	388.5	376.4	345.1	259.2	239.2	178.2	163.7	227.1	242.4	246.4	245.6
17.5°	410.1	390.9	343.5	360.4	316.2	227.9	205.5	203.9	195.0	195.0	195.8
20°	771.3	727.2	468.7	351.5	274.5	276.1	175.8	156.5	163.7	174.2	180.6
22.5°	792.2	734.4	548.2	457.5	247.2	223.1	171.8	151.7	204.7	225.5	227.1
25°	845.2	752.9	555.4	385.3	279.3	183.0	171.0	158.1	187.8	207.1	205.5
27.5°	1144.5	1015.3	705.5	354.8	220.7	172.6	161.3	151.7	187.0	218.3	217.5
30°	1142.9	1000.9	651.7	326.7	182.2	160.5	146.9	165.3	174.2	186.2	187.0
32.5°	1484.0	1272.1	712.7	271.3	161.3	138.9	145.3	150.9	158.1	188.6	195.0
35°	1491.3	1244.1	618.8	248.8	148.5	132.4	136.4	149.3	164.5	183.8	185.4
37.5°	1520.2	1229.6	513.7	205.5	152.5	134.0	142.1	156.5	152.5	179.0	182.2
40°	1573.1	1233.6	431.8	183.8	150.1	134.0	148.5	150.9	151.7	165.3	166.9
42.5°	1655.0	1255.3	362.8	174.2	147.7	145.3	143.7	144.5	138.9	166.1	169.4
45°	1771.4	1300.2	309.8	171.0	147.7	169.4	150.1	144.5	132.4	191.0	204.7
47.5°	1943.1	1388.5	278.5	171.8	148.5	162.1	148.5	140.5	138.0	223.1	232.8
50°	2137.4	1489.7	257.6	175.0	148.5	159.7	146.1	144.5	153.3	226.3	228.7
52.5°	2346.0	1624.5	250.4	178.2	159.7	162.1	166.1	165.3	147.7	181.4	181.4
55°	2557.9	1764.1	252.8	182.2	168.5	166.1	177.4	156.5	126.8	134.8	133.2
57.5°	2757.8	1927.1	269.7	179.8	162.9	164.5	179.0	146.9	126.8	134.8	138.0
60°	2974.5	2103.7	316.2	173.4	160.5	159.7	176.6	154.9	126.8	154.9	155.7
62.5°	3238.6	2346.8	417.4	179.8	173.4	164.5	177.4	171.0	145.3	148.5	151.7
65°	3550.8	2598.1	513.7	204.7	183.0	165.3	175.0	179.8	164.5	158.9	158.1
67.5°	3779.5	2659.9	517.7	237.6	195.8	174.2	176.6	195.8	179.8	183.0	181.4
70°	3721.7	2491.3	448.7	251.2	203.9	181.4	181.4	203.1	189.4	217.5	218.3
72.5°	3439.2	2163.0	378.8	232.8	193.4	183.8	201.5	210.3	201.5	261.7	258.4
74°	3114.9	1915.8	348.3	211.9	189.4	183.0	207.1	210.3	207.9	279.3	276.9
75°	2866.1	1721.6	331.5	199.9	187.0	180.6	208.7	211.1	210.3	281.7	280.9
77.5°	1980.9	1163.0	289.7	178.2	183.0	180.6	207.9	215.9	221.5	280.1	277.7
80°	1016.1	636.5	241.6	168.5	181.4	185.4	205.5	208.7	217.5	264.9	262.5
82.5°	509.7	366.8	177.4	154.9	183.8	201.5	206.3	202.3	204.7	244.0	240.0
85°	328.3	253.6	118.0	130.0	187.0	218.3	205.5	188.6	191.8	212.7	211.1
87.5°	264.1	187.8	72.2	101.1	199.0	199.9	187.8	166.9	162.9	166.9	164.5
90°	244.0	174.2	61.0	95.5	192.6	166.9	153.3	136.4	122.0	122.8	118.0
92.5°	262.5	182.2	65.0	94.7	153.3	117.2	112.4	103.5	85.9	76.2	71.4
95°	258.4	175.0	65.8	80.3	112.4	66.6	79.5	73.0	53.0	40.1	37.7
97.5°	124.4	88.3	58.6	62.6	65.8	50.6	67.4	61.8	38.5	24.9	23.3
100°	23.3	32.9	52.2	59.4	52.2	39.3	53.0	47.4	20.9	12.8	12.0
102.5°	22.5	18.5	39.3	53.8	32.9	22.5	28.9	26.5	13.6	9.6	9.6
105°	23.3	18.5	18.5	36.9	20.1	10.4	8.8	12.8	9.6	9.6	10.4
107.5°	24.1	18.5	11.2	12.0	9.6	8.0	6.4	6.4	7.2	10.4	11.2



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.3	16.1	10.4	9.6	8.8	8.0	6.4	5.6	7.2	11.2	12.0
112.5°	13.6	12.8	9.6	8.0	7.2	7.2	5.6	4.8	7.2	12.0	12.8
115°	13.6	12.8	8.0	7.2	5.6	6.4	5.6	4.8	7.2	13.6	14.4
117.5°	14.4	12.0	8.0	6.4	4.8	4.8	4.8	4.8	8.0	13.6	14.4
120°	14.4	12.0	8.0	5.6	4.8	4.0	4.8	4.8	8.0	13.6	15.2
122.5°	13.6	12.0	7.2	5.6	4.8	4.0	4.0	4.0	7.2	13.6	14.4
125°	12.8	11.2	7.2	5.6	4.8	3.2	4.0	4.0	7.2	12.8	14.4
127.5°	12.0	10.4	7.2	5.6	4.0	3.2	4.0	4.0	7.2	12.0	13.6
130°	10.4	9.6	6.4	4.8	4.0	3.2	4.0	4.0	7.2	11.2	12.8
132.5°	8.8	8.0	5.6	4.8	4.0	3.2	4.0	3.2	5.6	10.4	11.2
135°	6.4	6.4	5.6	4.0	4.0	2.4	3.2	3.2	4.8	8.0	8.8
137.5°	5.6	5.6	4.8	4.0	4.0	2.4	3.2	2.4	4.0	6.4	7.2
140°	5.6	5.6	4.8	4.0	3.2	2.4	2.4	2.4	3.2	5.6	5.6
142.5°	5.6	5.6	4.8	4.0	3.2	2.4	2.4	2.4	3.2	4.8	5.6
145°	5.6	5.6	5.6	4.8	3.2	2.4	2.4	2.4	3.2	4.8	4.8
147.5°	6.4	6.4	5.6	4.0	3.2	1.6	1.6	2.4	3.2	4.8	4.8
150°	6.4	6.4	5.6	4.0	3.2	1.6	0.8	1.6	2.4	4.0	4.8
152.5°	5.6	5.6	4.8	4.0	2.4	1.6	0.8	1.6	2.4	4.0	4.0
155°	4.8	4.8	4.0	3.2	2.4	0.8	0.0	0.8	1.6	3.2	3.2
157.5°	3.2	4.0	3.2	2.4	1.6	0.8	0.0	0.8	0.8	2.4	2.4
160°	3.2	3.2	3.2	2.4	1.6	0.8	0.0	0.0	0.8	1.6	1.6
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)