

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: P416905

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416905  
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-PA1-80-827-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA 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: 6252 lumens  
Efficiency: N/A  
Efficacy: 75.3 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

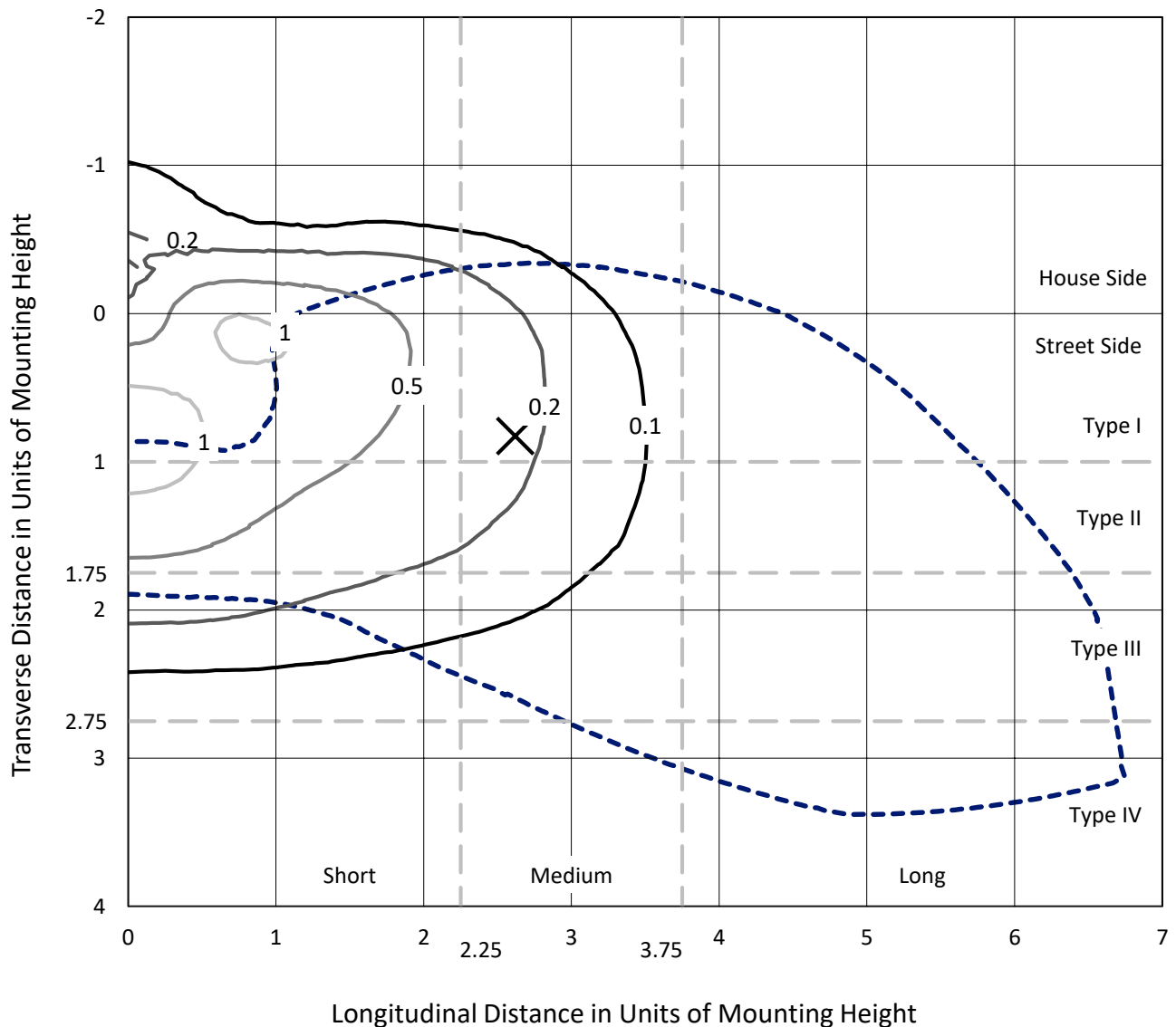
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

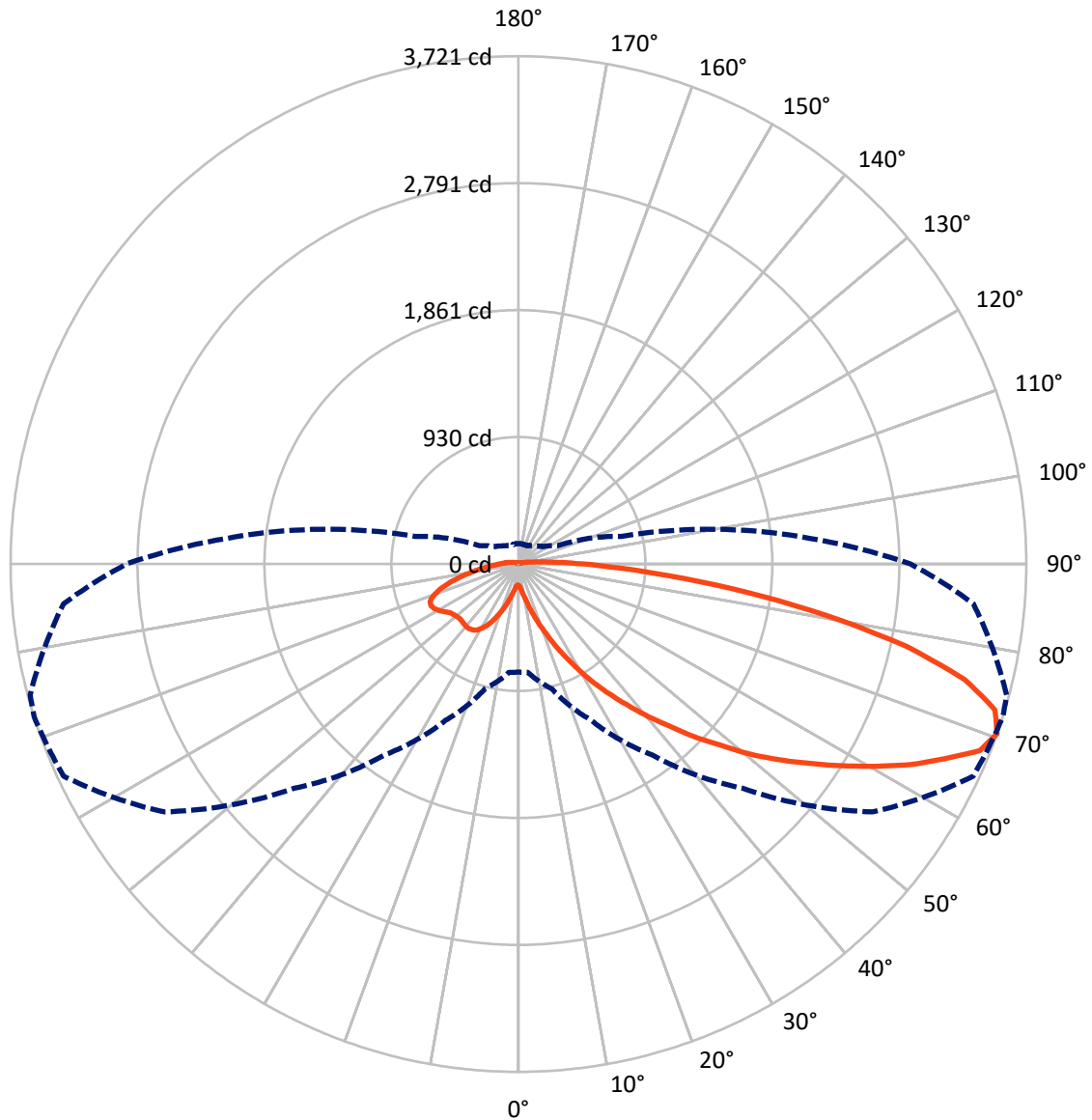
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1123.9	102.0	1225.9
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4908.4	117.7	5026.1
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	6032.3	219.7	6252.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.6	0.3
10°-20°	84.6	1.4
20°-30°	236.2	3.8
30°-40°	489.7	7.8
40°-50°	845.8	13.5
50°-60°	1249.1	20.0
60°-70°	1474.3	23.6
70°-80°	1170.0	18.7
80°-90°	465.2	7.4
90°-100°	122.9	2.0
100°-110°	47.4	0.8
110°-120°	23.1	0.4
120°-130°	13.1	0.2
130°-140°	7.7	0.1
140°-150°	3.6	0.1
150°-160°	1.2	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	6032.3	96.5
0°-180°	6252.0	100.0

**Coefficient of Utilization**



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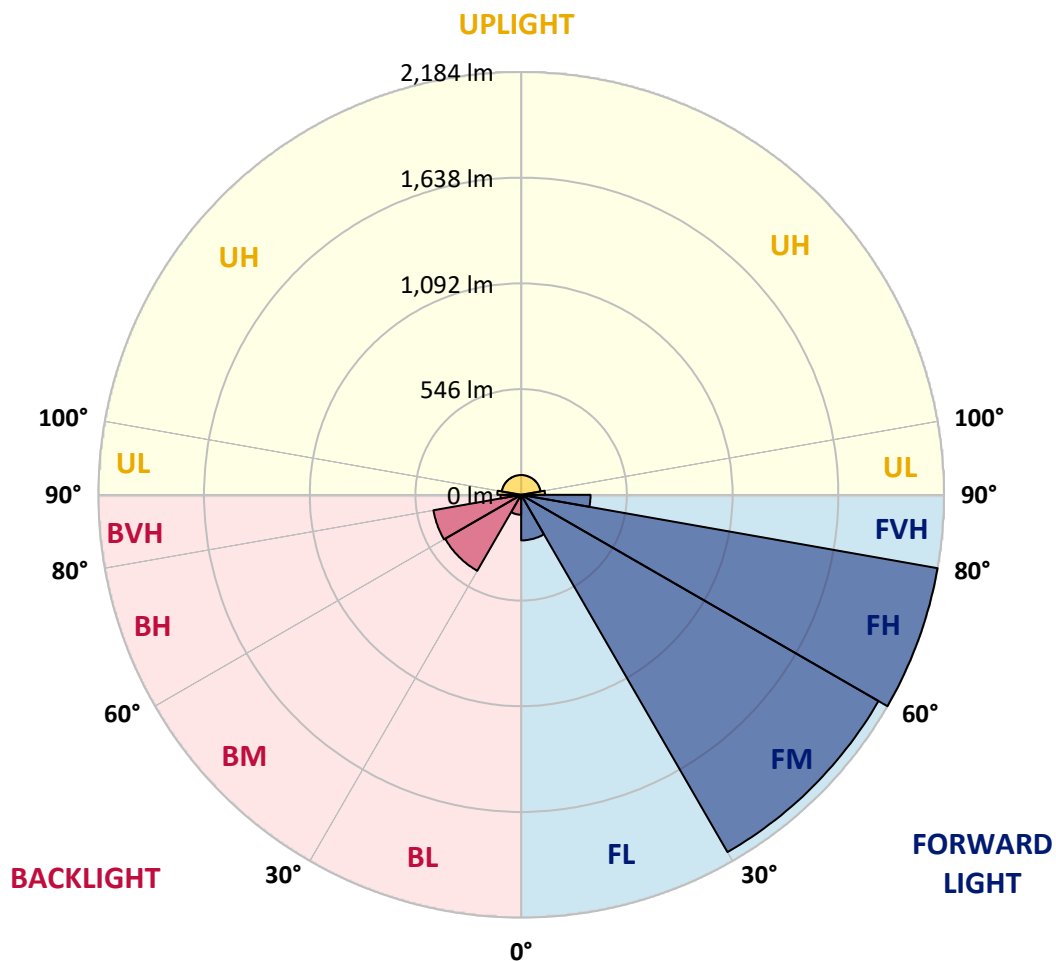
CATALOG NUMBER: LXF.LXT-PA1-80-827-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	235.3	3.8			
FM	(30°-60°)	2131.0	34.1			
FH	(60°-80°)	2183.9	34.9			G2/5000
FVH	(80°-90°)	358.2	5.7			G3/500
BL	(0°-30°)	103.1	1.6	B0/110		
BM	(30°-60°)	453.5	7.3	B1/1000		
BH	(60°-80°)	460.3	7.4	B1/500		G1/500
BVH	(80°-90°)	107.0	1.7			G2/225
UL	(90°-100°)	122.9	2.0		U3/500	
UH	(100°-180°)	102.0	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°	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6
2.5°	175.7	176.4	175.7	175.7	174.2	173.5	169.1	166.1	163.9	162.5	160.3
5°	203.6	205.1	204.4	204.4	200.7	198.5	193.3	187.5	183.0	182.3	175.7
7.5°	241.1	240.4	237.4	236.7	235.2	231.6	224.2	215.4	211.0	209.5	200.0
10°	287.4	283.8	285.2	280.1	277.1	271.3	264.6	258.0	249.2	249.2	236.0
12.5°	333.7	341.8	339.6	332.3	326.4	316.8	308.7	306.5	296.3	297.7	285.2
15°	409.5	408.7	402.1	397.0	385.2	373.4	366.1	360.9	358.0	355.8	341.8
17.5°	489.6	485.2	480.0	464.6	447.7	437.4	430.8	425.6	429.3	428.6	411.7
20°	582.2	577.1	569.7	541.8	519.7	503.6	499.9	505.8	508.0	513.8	496.9
22.5°	685.1	682.9	665.3	633.7	596.2	574.9	571.2	585.2	602.1	605.0	593.2
25°	808.6	805.7	781.4	735.8	686.6	654.3	654.3	676.3	704.2	710.9	705.0
27.5°	940.9	933.6	902.0	846.1	778.5	736.6	731.4	771.1	810.1	829.2	821.9
30°	1093.1	1091.6	1039.5	971.1	890.2	823.3	821.1	879.2	934.3	943.2	944.6
32.5°	1249.7	1262.2	1201.9	1099.7	1002.0	923.3	919.6	985.1	1061.5	1076.9	1076.9
35°	1430.5	1431.3	1357.0	1255.6	1121.8	1032.1	1021.8	1099.7	1185.0	1206.3	1218.1
37.5°	1612.8	1608.4	1541.5	1401.9	1251.9	1143.8	1134.3	1226.2	1323.2	1357.8	1355.6
40°	1792.2	1804.7	1720.2	1565.8	1385.0	1275.4	1251.9	1360.0	1471.7	1510.7	1495.2
42.5°	1985.5	1982.6	1906.9	1734.9	1533.4	1402.6	1388.6	1500.4	1624.6	1668.7	1654.7
45°	2154.6	2153.1	2070.8	1898.8	1675.3	1549.6	1530.5	1648.9	1804.7	1845.9	1817.2
47.5°	2310.5	2306.8	2221.5	2046.6	1799.6	1690.0	1691.5	1812.8	1978.2	2045.8	2001.7
50°	2431.0	2418.5	2364.9	2175.9	1934.1	1837.8	1865.7	2008.3	2184.8	2245.8	2198.0
52.5°	2495.7	2476.6	2434.7	2266.4	2061.3	1984.1	2037.7	2206.8	2381.0	2439.1	2386.9
55°	2464.8	2464.8	2441.3	2321.5	2151.7	2117.9	2225.9	2396.5	2578.0	2642.0	2595.7
57.5°	2340.6	2359.7	2370.7	2306.8	2214.2	2250.2	2421.5	2612.6	2786.8	2857.4	2796.4
60°	2123.0	2128.2	2209.0	2227.4	2239.2	2362.7	2624.4	2852.2	3008.8	3064.7	2995.6
62.5°	1815.0	1839.3	1937.8	2073.8	2202.4	2456.0	2837.5	3093.4	3234.5	3272.0	3171.3
65°	1472.4	1466.6	1648.9	1852.5	2101.0	2483.2	3009.6	3327.1	3436.7	3486.6	3311.7
67.5°	1116.6	1113.0	1281.3	1579.8	1928.9	2454.5	3149.2	3525.6	3646.2	3647.6	3399.9
70°	791.7	797.6	946.8	1263.7	1706.9	2323.7	3166.1	3677.0	3721.1	3703.5	3346.2
72.5°	537.4	541.8	683.7	968.1	1412.9	2112.0	3025.0	3660.9	3650.6	3601.3	3125.7
75°	346.2	375.6	480.8	735.8	1143.8	1806.9	2750.8	3429.3	3375.6	3294.0	2742.7
77.5°	238.9	253.6	334.5	535.9	893.9	1492.3	2361.9	2964.0	2908.1	2808.1	2211.2
80°	161.7	168.3	230.1	400.6	703.5	1173.2	1924.5	2386.2	2289.9	2187.0	1658.4
82.5°	108.1	120.6	165.4	287.4	532.2	905.7	1463.6	1822.3	1669.4	1580.5	1165.2
85°	72.0	78.7	117.6	208.8	385.2	659.4	1053.4	1237.9	1103.4	1024.7	744.7
87.5°	48.5	54.4	83.8	149.2	285.2	479.3	705.7	799.8	691.7	642.5	450.6
90°	32.3	36.0	61.7	107.3	201.4	334.5	476.4	494.0	424.2	394.0	275.7
92.5°	22.8	26.5	46.3	79.4	141.1	232.3	305.8	299.2	249.9	235.2	177.9
95°	17.6	20.6	36.0	61.0	102.9	159.5	199.2	182.3	158.0	152.9	122.8
97.5°	15.4	16.9	30.1	49.3	77.9	113.2	129.4	123.5	106.6	103.7	89.7
100°	14.0	15.4	26.5	42.6	62.5	83.1	92.6	86.0	77.2	75.0	66.2
102.5°	13.2	14.0	23.5	36.8	51.5	65.4	71.3	64.0	57.3	56.6	50.7
105°	12.5	13.2	20.6	31.6	43.4	53.7	55.9	50.0	44.8	42.6	38.2
107.5°	11.8	11.8	18.4	27.9	37.5	44.8	46.3	40.4	34.6	33.1	30.1
110°	11.0	11.8	16.9	25.0	33.1	39.0	39.0	33.1	27.2	25.7	24.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.0	11.0	15.4	22.1	29.4	33.8	33.1	27.2	22.1	19.8	19.8
115°	10.3	11.0	14.7	20.6	26.5	29.4	27.9	22.8	17.6	16.2	16.9
117.5°	10.3	11.0	13.2	18.4	23.5	25.7	24.3	19.1	14.7	14.0	15.4
120°	10.3	11.0	13.2	16.9	20.6	22.8	21.3	16.2	13.2	12.5	14.0
122.5°	11.0	11.0	12.5	15.4	19.1	20.6	18.4	14.0	11.8	11.0	12.5
125°	11.0	11.0	12.5	14.7	17.6	18.4	16.2	12.5	10.3	10.3	11.8
127.5°	11.0	11.0	12.5	14.0	16.2	16.2	14.7	11.0	9.6	9.6	11.0
130°	11.0	11.0	11.8	13.2	14.7	14.7	12.5	9.6	8.8	8.8	10.3
132.5°	11.8	11.8	11.8	12.5	13.2	13.2	11.0	8.8	8.1	8.1	10.3
135°	11.0	11.0	11.0	11.8	11.8	11.8	9.6	8.1	7.4	8.1	9.6
137.5°	10.3	10.3	11.0	11.0	11.0	10.3	8.1	6.6	6.6	7.4	8.8
140°	10.3	9.6	10.3	10.3	9.6	8.8	7.4	5.9	5.9	6.6	7.4
142.5°	8.8	8.8	8.8	8.8	8.1	7.4	5.9	5.1	5.9	5.9	6.6
145°	8.1	8.1	8.1	7.4	7.4	5.9	4.4	4.4	4.4	5.1	5.9
147.5°	6.6	6.6	6.6	6.6	5.9	5.1	2.9	3.7	3.7	3.7	4.4
150°	5.1	5.1	5.9	5.1	4.4	3.7	2.2	2.9	3.7	3.7	3.7
152.5°	4.4	4.4	4.4	4.4	3.7	2.2	2.2	2.9	2.9	2.9	3.7
155°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.2	2.9	2.9	2.9
157.5°	1.5	1.5	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
160°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	1.5	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6	156.6
2.5°	158.8	157.3	154.4	151.4	149.2	147.0	145.6	143.3	141.9	141.9	141.9
5°	171.3	169.8	162.5	155.1	148.5	142.6	138.2	133.1	130.9	128.6	129.4
7.5°	196.3	191.1	179.4	166.9	155.8	144.1	135.3	127.9	123.5	120.6	120.6
10°	230.1	222.0	204.4	185.2	166.9	150.0	136.7	126.4	119.1	116.1	116.1
12.5°	273.5	265.4	238.2	209.5	181.6	157.3	140.4	127.2	119.1	115.4	115.4
15°	331.5	317.6	280.8	239.6	199.2	166.1	144.1	133.1	127.9	125.7	125.7
17.5°	400.6	380.1	332.3	270.5	216.9	175.0	153.6	143.3	138.9	138.2	138.2
20°	481.5	455.8	383.7	301.4	230.8	186.0	161.7	152.9	151.4	152.2	152.2
22.5°	573.4	535.9	436.7	329.3	244.1	192.6	167.6	160.3	161.7	165.4	164.7
25°	670.4	630.7	494.7	354.3	252.9	195.5	171.3	166.9	172.8	177.2	177.2
27.5°	783.6	721.9	547.7	372.0	255.1	193.3	172.0	169.8	177.9	184.5	186.0
30°	899.0	819.7	593.2	383.0	250.7	188.2	169.1	170.5	180.1	188.9	189.7
32.5°	1015.9	912.3	630.7	385.2	243.3	181.6	166.1	169.1	179.4	188.9	190.4
35°	1132.1	999.0	655.7	377.1	231.6	175.0	161.0	166.1	176.4	187.5	188.9
37.5°	1246.0	1081.4	671.2	363.9	219.8	169.1	157.3	162.5	172.8	185.2	186.7
40°	1370.3	1169.6	680.0	348.4	208.0	163.9	155.1	160.3	170.5	182.3	184.5
42.5°	1484.2	1250.4	680.7	329.3	199.2	161.7	153.6	158.0	167.6	180.1	182.3
45°	1632.7	1333.5	680.7	313.2	193.3	161.0	153.6	157.3	166.1	179.4	182.3
47.5°	1773.1	1429.1	682.2	299.2	190.4	162.5	155.1	156.6	163.9	179.4	182.3
50°	1936.3	1521.0	693.9	288.9	189.7	165.4	157.3	155.8	161.7	177.9	181.6
52.5°	2098.8	1642.2	708.6	281.5	191.1	168.3	158.8	155.8	159.5	174.2	178.6
55°	2276.6	1757.7	724.8	282.3	194.1	171.3	161.0	155.1	156.6	168.3	172.8
57.5°	2454.5	1892.9	760.1	286.7	197.7	175.0	163.2	155.1	152.9	161.7	165.4
60°	2610.4	2012.0	796.9	296.3	202.9	178.6	164.7	154.4	150.0	155.1	158.0
62.5°	2775.1	2142.1	826.3	304.3	208.8	181.6	164.7	153.6	147.8	151.4	152.9
65°	2882.4	2219.3	841.7	314.6	214.7	183.8	165.4	152.2	147.0	149.2	150.7
67.5°	2937.5	2231.8	831.4	318.3	219.8	185.2	164.7	150.7	147.8	149.2	150.7
70°	2872.1	2148.7	782.2	316.1	221.3	185.2	163.2	149.2	147.8	150.0	150.7
72.5°	2635.4	1948.8	709.4	305.1	219.1	182.3	161.0	147.0	147.0	150.7	150.7
75°	2269.3	1661.4	613.8	288.2	213.2	177.9	156.6	143.3	144.8	150.0	150.0
77.5°	1817.2	1314.4	505.8	263.9	202.2	170.5	150.7	138.2	141.9	147.8	147.0
80°	1352.6	979.2	407.3	236.7	187.5	160.3	142.6	132.3	137.5	142.6	141.1
82.5°	901.2	687.3	322.0	208.0	172.0	150.0	133.8	124.2	130.9	136.0	133.8
85°	585.2	458.0	249.2	179.4	155.8	138.2	122.8	115.4	122.0	126.4	124.2
87.5°	364.6	307.3	189.7	152.9	138.9	125.0	113.2	105.1	111.7	116.1	113.2
90°	241.1	205.8	149.2	132.3	123.5	112.5	101.4	95.6	102.2	103.7	101.4
92.5°	158.8	145.6	121.3	113.2	108.8	100.0	91.9	86.7	91.9	92.6	91.2
95°	113.9	110.3	100.0	98.5	96.3	88.9	82.3	77.9	80.9	81.6	78.7
97.5°	86.7	86.0	85.3	85.3	83.8	78.7	72.8	69.1	70.6	69.8	67.6
100°	67.6	69.1	71.3	72.8	72.0	68.4	64.0	61.0	61.7	58.8	56.6
102.5°	52.9	55.9	59.5	61.7	61.7	58.8	56.6	53.7	51.5	47.8	47.0
105°	41.9	44.1	49.3	52.9	52.9	51.5	49.3	45.6	43.4	39.0	39.0
107.5°	33.1	36.0	41.9	44.8	45.6	44.1	42.6	39.7	36.0	31.6	31.6
110°	26.5	28.7	35.3	38.2	39.0	38.2	36.8	33.1	29.4	26.5	26.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.1	24.3	29.4	32.3	33.8	33.1	31.6	27.9	24.3	22.1	22.1
115°	19.1	21.3	25.0	27.9	28.7	28.7	26.5	24.3	19.8	19.1	19.1
117.5°	16.9	18.4	22.1	24.3	25.7	25.0	22.8	20.6	17.6	16.9	16.9
120°	15.4	16.9	19.8	22.1	22.1	21.3	19.8	17.6	15.4	14.7	15.4
122.5°	14.0	15.4	17.6	19.1	19.1	19.1	17.6	15.4	13.2	13.2	14.0
125°	13.2	14.0	16.2	16.9	17.6	16.9	15.4	13.2	11.8	12.5	12.5
127.5°	12.5	13.2	14.7	15.4	15.4	14.7	13.2	11.8	10.3	11.0	11.8
130°	11.8	12.5	13.2	14.0	14.0	13.2	11.8	10.3	9.6	10.3	10.3
132.5°	10.3	11.0	11.8	12.5	11.8	11.8	10.3	8.8	8.8	9.6	9.6
135°	9.6	10.3	10.3	11.0	10.3	10.3	8.8	8.1	8.1	8.8	8.8
137.5°	8.8	9.6	9.6	9.6	8.8	8.8	8.1	7.4	7.4	7.4	8.1
140°	8.1	8.1	8.1	8.1	7.4	7.4	6.6	5.9	6.6	6.6	6.6
142.5°	7.4	7.4	7.4	6.6	6.6	5.9	5.1	5.1	5.9	5.9	5.9
145°	5.9	5.9	5.9	5.1	5.1	4.4	4.4	4.4	5.1	5.1	5.1
147.5°	5.1	5.1	5.1	4.4	3.7	3.7	3.7	3.7	4.4	4.4	4.4
150°	4.4	4.4	4.4	3.7	2.9	2.9	2.2	2.9	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	2.9	1.5	2.2	2.9	2.9	2.9	2.9
155°	2.9	2.9	3.7	2.9	2.2	0.7	1.5	2.2	2.2	2.2	2.2
157.5°	2.9	2.9	2.9	2.2	1.5	0.7	1.5	1.5	2.2	1.5	2.2
160°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	0.7	0.7	0.7
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)