

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: P415813

Luminaire Tested: **LXF.LXT-PA1-60-727-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415813  
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-PA1-60-727-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA 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: 5802 lumens  
Efficiency: N/A  
Efficacy: 90.7 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

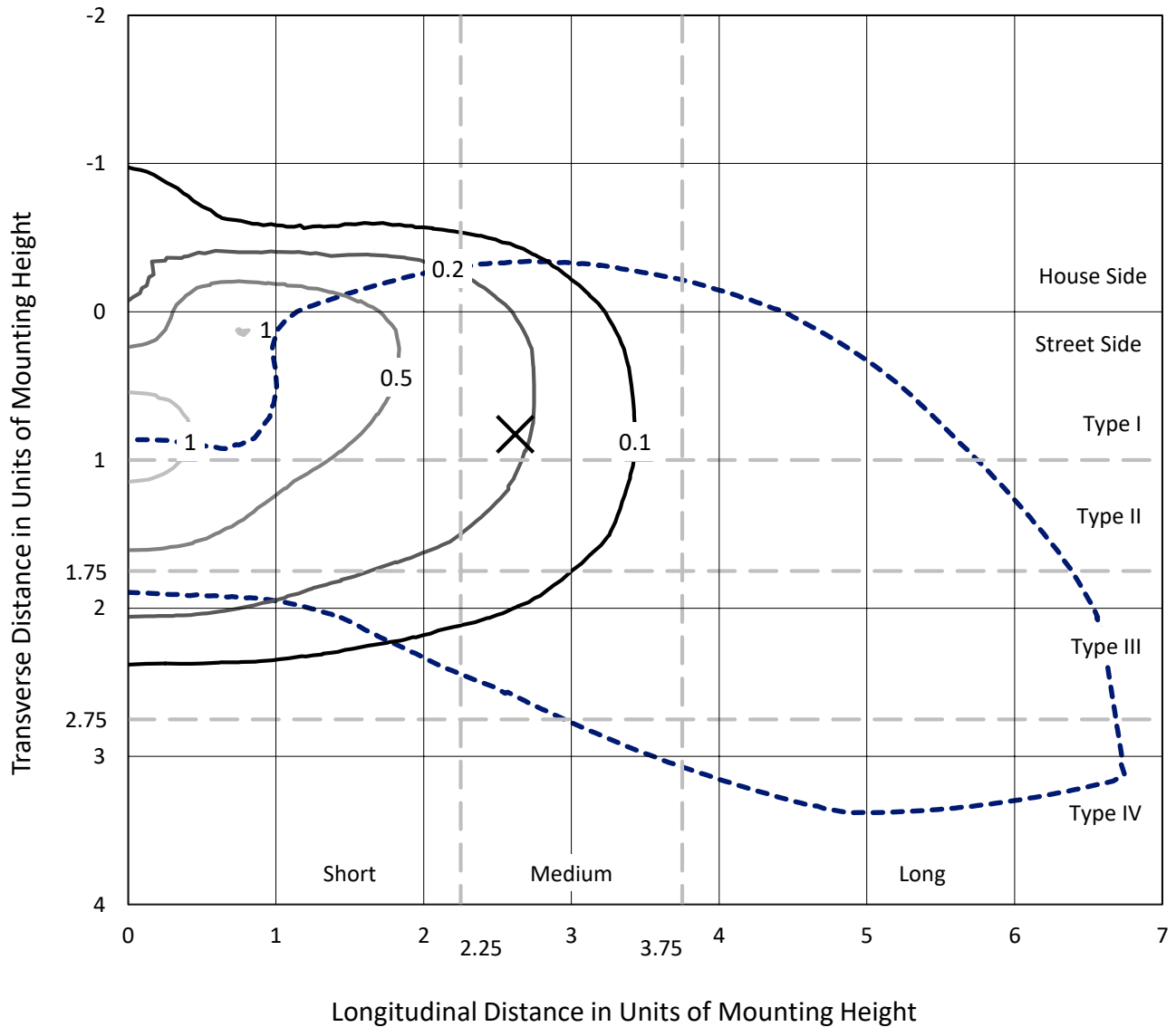
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

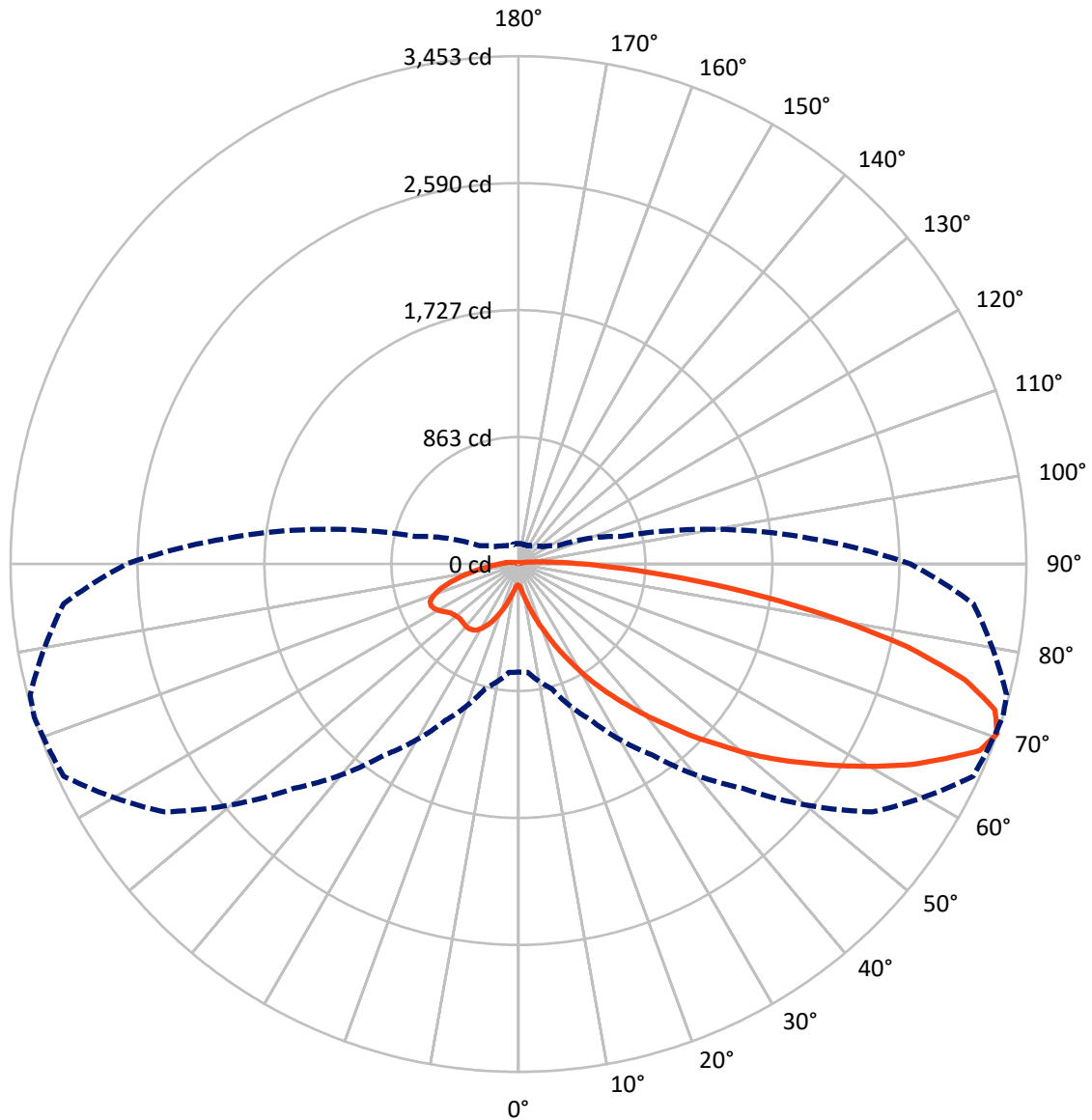
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1043.0	94.6	1137.6
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4555.1	109.3	4664.4
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	5598.1	203.9	5802.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.3	0.3
10°-20°	78.5	1.4
20°-30°	219.2	3.8
30°-40°	454.4	7.8
40°-50°	784.9	13.5
50°-60°	1159.1	20.0
60°-70°	1368.2	23.6
70°-80°	1085.8	18.7
80°-90°	431.7	7.4
90°-100°	114.1	2.0
100°-110°	44.0	0.8
110°-120°	21.4	0.4
120°-130°	12.2	0.2
130°-140°	7.2	0.1
140°-150°	3.4	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5598.1	96.5
0°-180°	5802.0	100.0

**Coefficient of Utilization**



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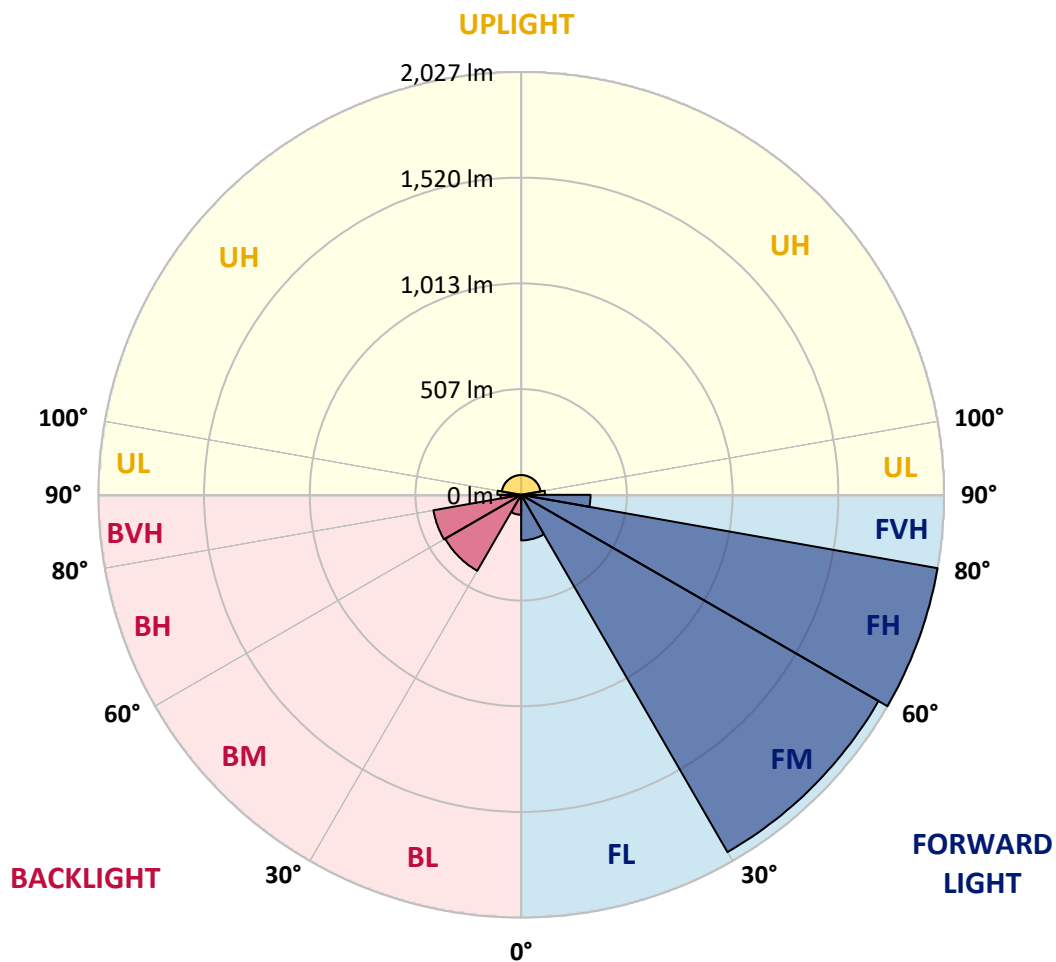
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.4	3.8			
FM	(30°-60°)	1977.6	34.1			
FH	(60°-80°)	2026.7	34.9			G2/5000
FVH	(80°-90°)	332.4	5.7			G3/500
BL	(0°-30°)	95.7	1.6	B0/110		
BM	(30°-60°)	420.9	7.3	B1/1000		
BH	(60°-80°)	427.2	7.4	B1/500		G1/500
BVH	(80°-90°)	99.3	1.7			G1/100
UL	(90°-100°)	114.1	2.0		U3/500	
UH	(100°-180°)	94.6	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°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3
2.5°	163.0	163.7	163.0	163.0	161.7	161.0	156.9	154.2	152.1	150.8	148.7
5°	189.0	190.3	189.7	189.7	186.2	184.2	179.4	174.0	169.9	169.2	163.0
7.5°	223.8	223.1	220.4	219.7	218.3	214.9	208.1	199.9	195.8	194.4	185.6
10°	266.7	263.3	264.7	259.9	257.2	251.7	245.6	239.5	231.3	231.3	219.0
12.5°	309.7	317.2	315.2	308.4	302.9	294.0	286.5	284.5	274.9	276.3	264.7
15°	380.0	379.3	373.2	368.4	357.5	346.6	339.7	335.0	332.2	330.2	317.2
17.5°	454.3	450.3	445.5	431.2	415.5	405.9	399.8	395.0	398.4	397.7	382.0
20°	540.3	535.5	528.7	502.8	482.3	467.3	463.9	469.4	471.4	476.9	461.2
22.5°	635.8	633.8	617.4	588.1	553.3	533.5	530.1	543.0	558.7	561.5	550.5
25°	750.4	747.7	725.2	682.9	637.2	607.2	607.2	627.6	653.6	659.7	654.2
27.5°	873.2	866.4	837.1	785.2	722.5	683.6	678.8	715.6	751.8	769.5	762.7
30°	1014.4	1013.1	964.6	901.2	826.1	764.1	762.0	815.9	867.1	875.3	876.6
32.5°	1159.7	1171.3	1115.4	1020.6	929.8	856.8	853.4	914.2	985.1	999.4	999.4
35°	1327.6	1328.2	1259.3	1165.2	1041.0	957.8	948.3	1020.6	1099.7	1119.5	1130.4
37.5°	1496.8	1492.7	1430.6	1301.0	1161.8	1061.5	1052.6	1137.9	1228.0	1260.0	1258.0
40°	1663.2	1674.8	1596.4	1453.1	1285.3	1183.6	1161.8	1262.1	1365.8	1401.9	1387.6
42.5°	1842.6	1839.9	1769.6	1610.0	1423.1	1301.6	1288.7	1392.4	1507.7	1548.6	1535.6
45°	1999.5	1998.2	1921.8	1762.1	1554.7	1438.1	1420.3	1530.2	1674.8	1713.0	1686.4
47.5°	2144.2	2140.8	2061.6	1899.3	1670.0	1568.4	1569.7	1682.3	1835.8	1898.6	1857.6
50°	2256.0	2244.4	2194.6	2019.3	1794.9	1705.5	1731.4	1863.8	2027.5	2084.1	2039.8
52.5°	2316.1	2298.3	2259.5	2103.2	1912.9	1841.3	1891.1	2048.0	2209.7	2263.5	2215.1
55°	2287.4	2287.4	2265.6	2154.4	1996.8	1965.4	2065.7	2224.0	2392.5	2451.8	2408.9
57.5°	2172.1	2189.9	2200.1	2140.8	2054.8	2088.2	2247.2	2424.5	2586.2	2651.7	2595.1
60°	1970.2	1975.0	2050.0	2067.1	2078.0	2192.6	2435.5	2646.9	2792.3	2844.1	2780.0
62.5°	1684.4	1706.9	1798.3	1924.5	2043.9	2279.2	2633.3	2870.7	3001.7	3036.5	2943.0
65°	1366.5	1361.0	1530.2	1719.2	1949.7	2304.5	2792.9	3087.6	3189.3	3235.7	3073.3
67.5°	1036.3	1032.9	1189.1	1466.1	1790.1	2277.9	2922.6	3271.8	3383.7	3385.1	3155.2
70°	734.7	740.2	878.7	1172.7	1584.1	2156.4	2938.2	3412.4	3453.3	3436.9	3105.4
72.5°	498.7	502.8	634.4	898.5	1311.2	1960.0	2807.3	3397.4	3387.8	3342.1	2900.7
75°	321.3	348.6	446.2	682.9	1061.5	1676.9	2552.8	3182.5	3132.7	3057.0	2545.3
77.5°	221.7	235.4	310.4	497.3	829.6	1384.9	2191.9	2750.6	2698.8	2606.0	2052.1
80°	150.1	156.2	213.5	371.8	652.9	1088.8	1786.0	2214.4	2125.1	2029.6	1539.0
82.5°	100.3	111.9	153.5	266.7	493.9	840.5	1358.3	1691.2	1549.3	1466.7	1081.3
85°	66.9	73.0	109.2	193.7	357.5	611.9	977.6	1148.8	1024.0	951.0	691.1
87.5°	45.0	50.5	77.8	138.5	264.7	444.8	654.9	742.2	642.0	596.2	418.2
90°	30.0	33.4	57.3	99.6	186.9	310.4	442.1	458.4	393.6	365.7	255.8
92.5°	21.1	24.6	43.0	73.7	131.0	215.6	283.8	277.7	231.9	218.3	165.1
95°	16.4	19.1	33.4	56.6	95.5	148.0	184.9	169.2	146.7	141.9	113.9
97.5°	14.3	15.7	28.0	45.7	72.3	105.1	120.1	114.6	98.9	96.2	83.2
100°	13.0	14.3	24.6	39.6	58.0	77.1	86.0	79.8	71.6	69.6	61.4
102.5°	12.3	13.0	21.8	34.1	47.8	60.7	66.2	59.4	53.2	52.5	47.1
105°	11.6	12.3	19.1	29.3	40.2	49.8	51.8	46.4	41.6	39.6	35.5
107.5°	10.9	10.9	17.1	25.9	34.8	41.6	43.0	37.5	32.1	30.7	28.0
110°	10.2	10.9	15.7	23.2	30.7	36.2	36.2	30.7	25.2	23.9	22.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.2	10.2	14.3	20.5	27.3	31.4	30.7	25.2	20.5	18.4	18.4
115°	9.6	10.2	13.6	19.1	24.6	27.3	25.9	21.1	16.4	15.0	15.7
117.5°	9.6	10.2	12.3	17.1	21.8	23.9	22.5	17.7	13.6	13.0	14.3
120°	9.6	10.2	12.3	15.7	19.1	21.1	19.8	15.0	12.3	11.6	13.0
122.5°	10.2	10.2	11.6	14.3	17.7	19.1	17.1	13.0	10.9	10.2	11.6
125°	10.2	10.2	11.6	13.6	16.4	17.1	15.0	11.6	9.6	9.6	10.9
127.5°	10.2	10.2	11.6	13.0	15.0	15.0	13.6	10.2	8.9	8.9	10.2
130°	10.2	10.2	10.9	12.3	13.6	13.6	11.6	8.9	8.2	8.2	9.6
132.5°	10.9	10.9	10.9	11.6	12.3	12.3	10.2	8.2	7.5	7.5	9.6
135°	10.2	10.2	10.2	10.9	10.9	10.9	8.9	7.5	6.8	7.5	8.9
137.5°	9.6	9.6	10.2	10.2	10.2	9.6	7.5	6.1	6.1	6.8	8.2
140°	9.6	8.9	9.6	9.6	8.9	8.2	6.8	5.5	5.5	6.1	6.8
142.5°	8.2	8.2	8.2	8.2	7.5	6.8	5.5	4.8	5.5	5.5	6.1
145°	7.5	7.5	7.5	6.8	6.8	5.5	4.1	4.1	4.1	4.8	5.5
147.5°	6.1	6.1	6.1	6.1	5.5	4.8	2.7	3.4	3.4	3.4	4.1
150°	4.8	4.8	5.5	4.8	4.1	3.4	2.0	2.7	3.4	3.4	3.4
152.5°	4.1	4.1	4.1	4.1	3.4	2.0	2.0	2.7	2.7	2.7	3.4
155°	2.7	2.7	2.7	2.7	2.0	1.4	2.0	2.0	2.7	2.7	2.7
157.5°	1.4	1.4	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
160°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
162.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
165°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
167.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
170°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
172.5°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
175°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
177.5°	0.0	0.7	1.4	1.4	2.0	1.4	1.4	1.4	1.4	1.4	2.0
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3	145.3
2.5°	147.4	146.0	143.3	140.5	138.5	136.4	135.1	133.0	131.7	131.7	131.7
5°	159.0	157.6	150.8	143.9	137.8	132.3	128.3	123.5	121.4	119.4	120.1
7.5°	182.1	177.4	166.5	154.9	144.6	133.7	125.5	118.7	114.6	111.9	111.9
10°	213.5	206.0	189.7	171.9	154.9	139.2	126.9	117.3	110.5	107.8	107.8
12.5°	253.8	246.3	221.0	194.4	168.5	146.0	130.3	118.0	110.5	107.1	107.1
15°	307.7	294.7	260.6	222.4	184.9	154.2	133.7	123.5	118.7	116.7	116.7
17.5°	371.8	352.7	308.4	251.1	201.2	162.4	142.6	133.0	128.9	128.3	128.3
20°	446.8	423.0	356.1	279.7	214.2	172.6	150.1	141.9	140.5	141.2	141.2
22.5°	532.1	497.3	405.2	305.6	226.5	178.7	155.5	148.7	150.1	153.5	152.8
25°	622.2	585.3	459.1	328.8	234.7	181.5	159.0	154.9	160.3	164.4	164.4
27.5°	727.2	669.9	508.2	345.2	236.7	179.4	159.6	157.6	165.1	171.2	172.6
30°	834.3	760.7	550.5	355.4	232.6	174.6	156.9	158.3	167.1	175.3	176.0
32.5°	942.8	846.6	585.3	357.5	225.8	168.5	154.2	156.9	166.5	175.3	176.7
35°	1050.6	927.1	608.5	350.0	214.9	162.4	149.4	154.2	163.7	174.0	175.3
37.5°	1156.3	1003.5	622.9	337.7	204.0	156.9	146.0	150.8	160.3	171.9	173.3
40°	1271.6	1085.4	631.0	323.4	193.1	152.1	143.9	148.7	158.3	169.2	171.2
42.5°	1377.4	1160.4	631.7	305.6	184.9	150.1	142.6	146.7	155.5	167.1	169.2
45°	1515.2	1237.5	631.7	290.6	179.4	149.4	142.6	146.0	154.2	166.5	169.2
47.5°	1645.5	1326.2	633.1	277.7	176.7	150.8	143.9	145.3	152.1	166.5	169.2
50°	1796.9	1411.5	644.0	268.1	176.0	153.5	146.0	144.6	150.1	165.1	168.5
52.5°	1947.7	1524.0	657.6	261.3	177.4	156.2	147.4	144.6	148.0	161.7	165.8
55°	2112.8	1631.1	672.7	262.0	180.1	159.0	149.4	143.9	145.3	156.2	160.3
57.5°	2277.9	1756.7	705.4	266.1	183.5	162.4	151.4	143.9	141.9	150.1	153.5
60°	2422.5	1867.2	739.5	274.9	188.3	165.8	152.8	143.3	139.2	143.9	146.7
62.5°	2575.3	1987.9	766.8	282.4	193.7	168.5	152.8	142.6	137.1	140.5	141.9
65°	2674.9	2059.6	781.1	292.0	199.2	170.6	153.5	141.2	136.4	138.5	139.9
67.5°	2726.1	2071.2	771.6	295.4	204.0	171.9	152.8	139.9	137.1	138.5	139.9
70°	2665.4	1994.1	725.9	293.3	205.3	171.9	151.4	138.5	137.1	139.2	139.9
72.5°	2445.7	1808.5	658.3	283.1	203.3	169.2	149.4	136.4	136.4	139.9	139.9
75°	2106.0	1541.8	569.6	267.4	197.8	165.1	145.3	133.0	134.4	139.2	139.2
77.5°	1686.4	1219.8	469.4	244.9	187.6	158.3	139.9	128.3	131.7	137.1	136.4
80°	1255.3	908.7	377.9	219.7	174.0	148.7	132.3	122.8	127.6	132.3	131.0
82.5°	836.4	637.9	298.8	193.1	159.6	139.2	124.2	115.3	121.4	126.2	124.2
85°	543.0	425.0	231.3	166.5	144.6	128.3	113.9	107.1	113.2	117.3	115.3
87.5°	338.4	285.2	176.0	141.9	128.9	116.0	105.1	97.6	103.7	107.8	105.1
90°	223.8	191.0	138.5	122.8	114.6	104.4	94.1	88.7	94.8	96.2	94.1
92.5°	147.4	135.1	112.6	105.1	101.0	92.8	85.3	80.5	85.3	86.0	84.6
95°	105.7	102.3	92.8	91.4	89.4	82.5	76.4	72.3	75.0	75.7	73.0
97.5°	80.5	79.8	79.1	79.1	77.8	73.0	67.5	64.1	65.5	64.8	62.8
100°	62.8	64.1	66.2	67.5	66.9	63.4	59.4	56.6	57.3	54.6	52.5
102.5°	49.1	51.8	55.3	57.3	57.3	54.6	52.5	49.8	47.8	44.3	43.7
105°	38.9	40.9	45.7	49.1	49.1	47.8	45.7	42.3	40.2	36.2	36.2
107.5°	30.7	33.4	38.9	41.6	42.3	40.9	39.6	36.8	33.4	29.3	29.3
110°	24.6	26.6	32.7	35.5	36.2	35.5	34.1	30.7	27.3	24.6	24.6



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	22.5	27.3	30.0	31.4	30.7	29.3	25.9	22.5	20.5	20.5
115°	17.7	19.8	23.2	25.9	26.6	26.6	24.6	22.5	18.4	17.7	17.7
117.5°	15.7	17.1	20.5	22.5	23.9	23.2	21.1	19.1	16.4	15.7	15.7
120°	14.3	15.7	18.4	20.5	20.5	19.8	18.4	16.4	14.3	13.6	14.3
122.5°	13.0	14.3	16.4	17.7	17.7	17.7	16.4	14.3	12.3	12.3	13.0
125°	12.3	13.0	15.0	15.7	16.4	15.7	14.3	12.3	10.9	11.6	11.6
127.5°	11.6	12.3	13.6	14.3	14.3	13.6	12.3	10.9	9.6	10.2	10.9
130°	10.9	11.6	12.3	13.0	13.0	12.3	10.9	9.6	8.9	9.6	9.6
132.5°	9.6	10.2	10.9	11.6	10.9	10.9	9.6	8.2	8.2	8.9	8.9
135°	8.9	9.6	9.6	10.2	9.6	9.6	8.2	7.5	7.5	8.2	8.2
137.5°	8.2	8.9	8.9	8.9	8.2	8.2	7.5	6.8	6.8	6.8	7.5
140°	7.5	7.5	7.5	7.5	6.8	6.8	6.1	5.5	6.1	6.1	6.1
142.5°	6.8	6.8	6.8	6.1	6.1	5.5	4.8	4.8	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.8	4.8	4.1	4.1	4.1	4.8	4.8	4.8
147.5°	4.8	4.8	4.8	4.1	3.4	3.4	3.4	3.4	4.1	4.1	4.1
150°	4.1	4.1	4.1	3.4	2.7	2.7	2.0	2.7	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	2.7	1.4	2.0	2.7	2.7	2.7	2.7
155°	2.7	2.7	3.4	2.7	2.0	0.7	1.4	2.0	2.0	2.0	2.0
157.5°	2.7	2.7	2.7	2.0	1.4	0.7	1.4	1.4	2.0	1.4	2.0
160°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	1.4	1.4	1.4
162.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	1.4	0.7	0.7	0.7
165°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)