

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: P415809

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5675 lumens  
Efficiency: N/A  
Efficacy: 88.7 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

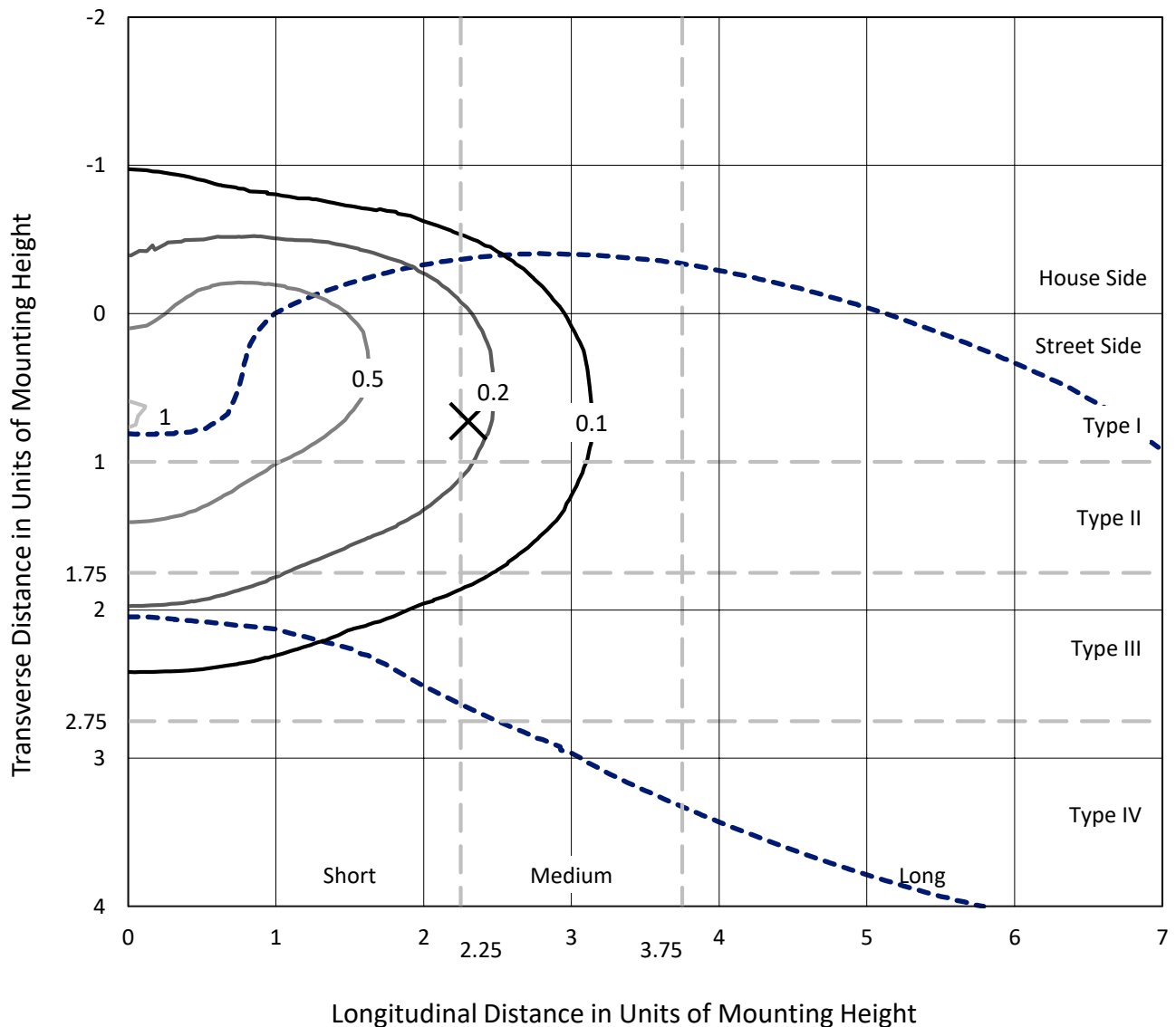
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

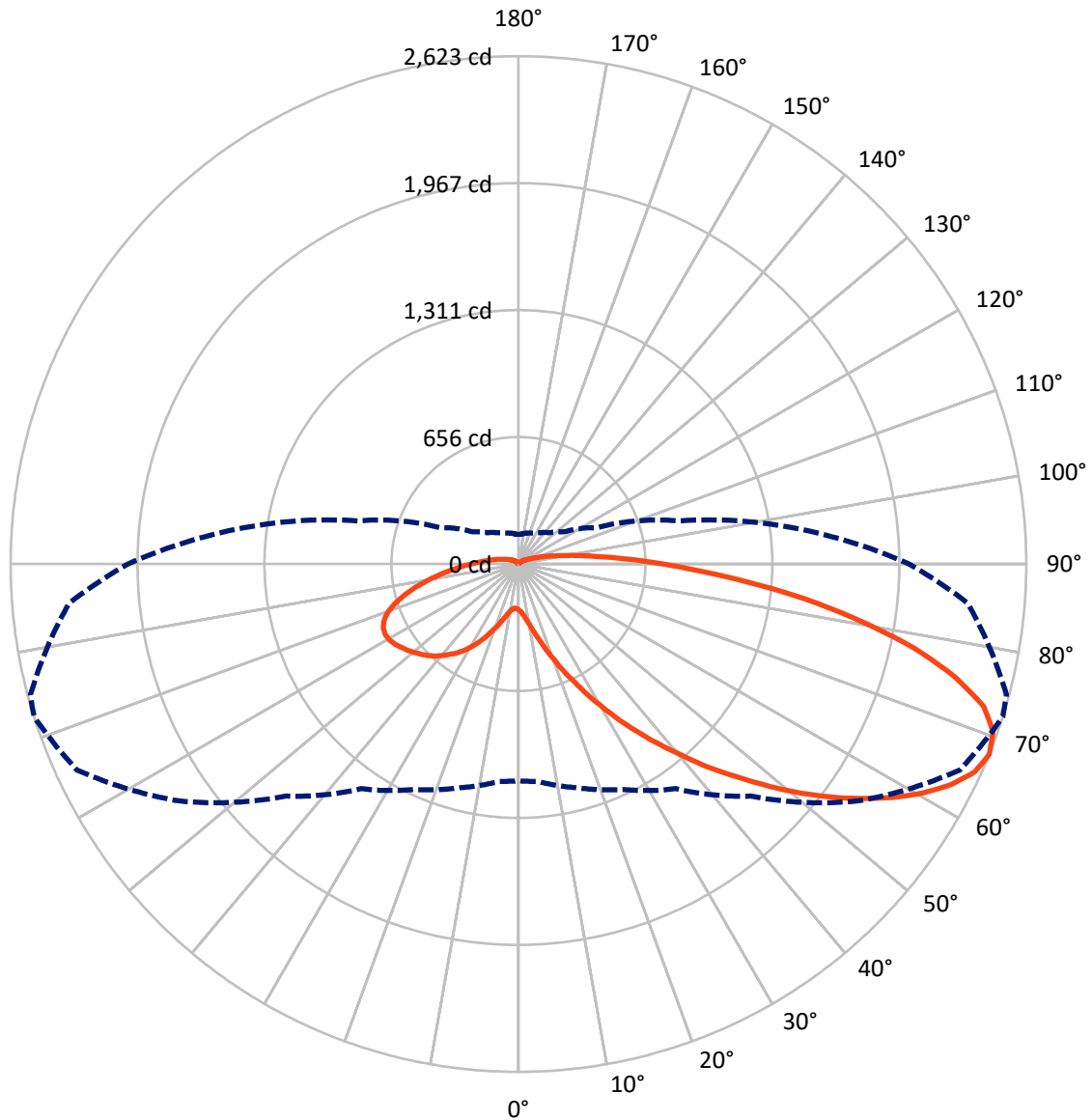
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1152.4	163.9	1316.3
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	4040.9	317.8	4358.7
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	5193.3	481.7	5675.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.4	0.4
10°-20°	96.8	1.7
20°-30°	233.8	4.1
30°-40°	445.7	7.9
40°-50°	717.3	12.6
50°-60°	992.5	17.5
60°-70°	1140.4	20.1
70°-80°	978.8	17.2
80°-90°	563.6	9.9
90°-100°	254.7	4.5
100°-110°	117.1	2.1
110°-120°	58.8	1.0
120°-130°	30.5	0.5
130°-140°	14.5	0.3
140°-150°	5.0	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5193.3	91.5
0°-180°	5675.0	100.0



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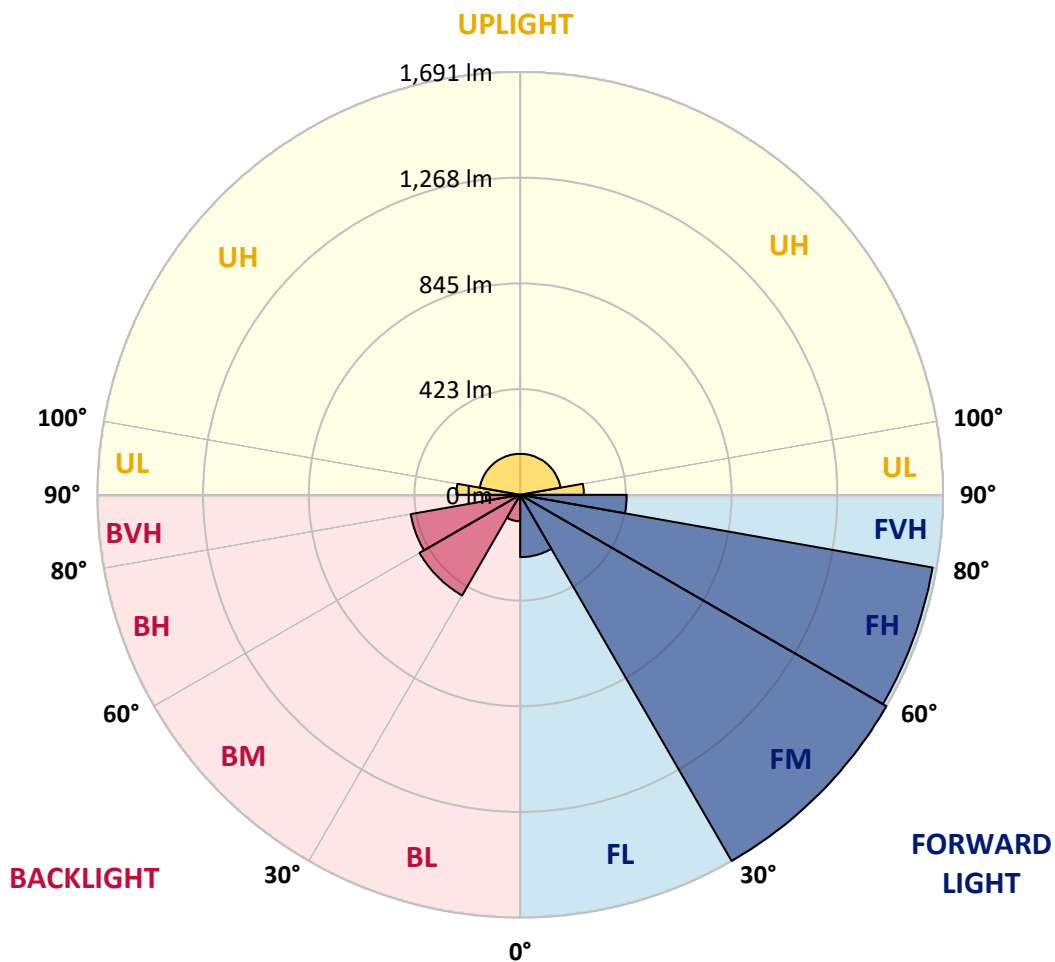
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-SL3-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.2	4.4			
FM (30°-60°)	1690.8	29.8			
FH (60°-80°)	1674.8	29.5			G1/1800
FVH (80°-90°)	426.0	7.5			G3/500
BL (0°-30°)	105.8	1.9	B0/110		
BM (30°-60°)	464.7	8.2	B1/1000		
BH (60°-80°)	444.4	7.8	B1/500		G1/500
BVH (80°-90°)	137.5	2.4			G2/225
UL (90°-100°)	254.7	4.5		U3/500	
UH (100°-180°)	163.9	2.9		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°	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7
2.5°	265.4	264.7	265.4	263.4	261.3	257.2	254.5	249.0	246.3	244.9	239.5
5°	302.9	302.2	301.6	298.8	292.0	287.2	279.0	269.5	263.4	260.6	251.8
7.5°	343.9	342.5	341.1	335.0	330.2	322.0	309.7	297.5	287.2	285.2	268.8
10°	390.3	388.9	386.2	381.4	372.5	360.9	350.0	332.3	319.3	313.2	295.4
12.5°	438.0	440.7	437.3	427.8	417.5	406.6	390.9	373.9	360.2	355.5	328.2
15°	496.0	498.0	494.6	483.7	472.8	456.4	444.2	426.4	408.0	405.3	375.2
17.5°	560.1	559.5	552.6	542.4	532.8	519.9	502.1	485.8	465.3	460.5	423.7
20°	629.7	627.0	620.9	603.8	594.9	579.9	569.0	546.5	526.7	519.9	483.0
22.5°	699.3	698.0	692.5	676.8	665.9	652.9	636.5	616.1	602.4	588.8	547.9
25°	786.6	778.5	771.6	743.7	733.4	721.1	706.8	689.8	676.8	669.3	622.2
27.5°	874.0	867.8	852.1	831.7	811.9	792.1	786.0	771.0	766.9	760.7	707.5
30°	960.6	957.9	940.8	914.9	886.3	867.2	863.7	865.1	859.0	851.5	794.8
32.5°	1058.9	1052.7	1033.6	998.8	968.8	946.3	946.3	955.8	961.3	953.8	893.8
35°	1155.1	1149.6	1125.7	1082.7	1049.3	1022.0	1032.9	1055.5	1068.4	1068.4	994.1
37.5°	1256.7	1244.4	1219.9	1174.8	1129.8	1110.0	1122.3	1161.2	1180.3	1180.3	1105.3
40°	1345.4	1344.7	1311.3	1257.4	1213.1	1183.7	1221.2	1273.1	1298.3	1296.3	1217.1
42.5°	1434.1	1433.4	1401.4	1342.0	1286.1	1271.0	1318.1	1391.1	1432.1	1432.1	1330.4
45°	1513.9	1508.5	1481.2	1415.7	1363.8	1357.0	1426.6	1519.4	1561.7	1568.5	1453.2
47.5°	1572.6	1567.8	1544.0	1480.5	1431.4	1443.7	1527.6	1645.6	1702.9	1702.2	1578.7
50°	1612.2	1607.4	1586.9	1532.4	1490.1	1520.8	1637.4	1779.3	1851.0	1856.4	1702.9
52.5°	1623.8	1621.0	1610.1	1565.1	1537.8	1590.3	1740.4	1915.8	1997.0	2001.7	1838.7
55°	1604.0	1604.0	1603.3	1576.0	1565.1	1652.4	1846.9	2048.8	2136.8	2145.7	1972.4
57.5°	1557.6	1559.6	1571.9	1563.1	1579.4	1702.2	1936.9	2168.9	2275.3	2280.8	2091.8
60°	1487.3	1483.2	1510.5	1526.9	1571.2	1733.6	2016.8	2289.7	2400.9	2402.9	2196.9
62.5°	1380.9	1382.9	1422.5	1465.5	1541.9	1746.6	2087.0	2395.4	2508.0	2512.8	2278.7
65°	1255.4	1260.1	1314.0	1386.3	1491.4	1732.9	2127.3	2476.6	2589.2	2583.0	2325.8
67.5°	1119.6	1126.4	1196.7	1284.7	1416.4	1694.7	2134.1	2515.5	2622.6	2609.0	2329.9
70°	970.9	988.6	1058.9	1173.5	1319.5	1621.7	2094.5	2508.7	2600.1	2587.1	2269.2
72.5°	835.8	848.7	925.8	1045.2	1211.0	1516.0	2010.6	2430.2	2512.1	2486.1	2142.3
75°	701.4	721.1	794.1	921.7	1093.7	1385.0	1868.0	2278.7	2329.2	2301.3	1953.3
77.5°	586.7	604.5	676.8	799.6	964.7	1247.9	1681.1	2048.8	2090.4	2061.8	1714.5
80°	478.3	498.0	568.3	689.1	844.0	1086.8	1466.9	1780.0	1795.7	1750.7	1451.2
82.5°	399.8	410.0	475.5	582.0	724.6	937.4	1247.2	1493.5	1494.1	1440.2	1178.9
85°	326.8	332.9	393.0	489.2	611.3	792.1	1024.1	1202.8	1189.2	1159.8	908.8
87.5°	264.7	270.9	324.8	411.4	514.4	661.1	835.8	947.0	914.9	891.7	705.5
90°	217.0	223.8	268.1	343.2	431.9	545.8	665.2	732.1	703.4	685.7	543.8
92.5°	177.4	184.2	223.1	287.2	365.7	446.9	528.8	560.1	540.3	519.9	410.0
95°	150.1	151.5	186.3	240.2	302.2	360.9	414.1	432.6	405.3	397.8	317.3
97.5°	123.5	127.6	154.9	202.6	252.4	300.9	328.2	337.7	313.2	296.8	242.9
100°	105.1	107.1	131.0	169.2	210.1	244.9	266.1	261.3	239.5	229.9	184.2
102.5°	90.1	92.1	111.2	146.7	178.8	204.0	214.2	206.7	186.3	180.1	144.6
105°	79.1	79.8	95.5	124.2	151.5	172.6	176.7	165.1	145.3	137.1	113.9
107.5°	70.3	71.0	83.2	107.8	131.0	145.3	146.7	133.7	114.6	108.5	91.4
110°	62.8	64.1	73.0	93.5	113.3	124.2	122.8	109.2	91.4	86.0	75.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	56.6	58.0	64.8	81.9	98.2	107.8	104.4	88.0	73.0	69.6	62.1
115°	51.9	53.2	58.7	72.3	86.6	93.5	88.0	73.0	60.0	55.9	51.9
117.5°	48.4	49.1	53.2	64.1	75.0	80.5	74.4	60.7	49.1	46.4	44.3
120°	45.0	45.7	49.1	56.6	66.2	68.9	62.8	49.8	40.9	39.6	38.9
122.5°	42.3	42.3	45.0	50.5	57.3	59.4	53.2	41.6	34.8	33.4	34.1
125°	39.6	39.6	40.9	45.0	49.8	51.2	44.3	34.8	29.3	28.7	30.0
127.5°	36.8	36.8	37.5	40.3	43.0	43.0	36.8	28.7	25.2	24.6	26.6
130°	34.1	34.1	34.1	35.5	36.8	36.2	30.0	23.9	21.8	21.8	23.2
132.5°	31.4	31.4	31.4	31.4	30.7	29.3	24.6	19.1	19.1	19.1	20.5
135°	28.0	28.0	28.0	27.3	25.9	23.9	19.1	15.7	15.7	16.4	17.7
137.5°	25.2	25.2	24.6	23.2	21.2	18.4	15.0	12.3	13.6	13.6	15.0
140°	21.8	21.8	21.2	19.1	16.4	13.6	10.9	10.2	10.9	11.6	13.0
142.5°	18.4	18.4	17.7	15.7	13.0	9.6	7.5	7.5	8.9	8.9	10.2
145°	15.0	15.0	14.3	12.3	8.9	6.1	4.8	5.5	6.8	6.8	7.5
147.5°	11.6	11.6	10.9	8.9	6.1	4.1	2.7	4.1	4.8	4.8	5.5
150°	8.2	8.2	7.5	6.1	4.1	2.0	1.4	2.0	2.7	3.4	3.4
152.5°	5.5	5.5	4.8	4.1	2.0	0.7	1.4	2.0	2.0	2.0	2.7
155°	3.4	2.7	2.7	2.0	0.7	0.0	0.7	1.4	1.4	1.4	2.0
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.7	0.7	0.7	1.4	1.4
160°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.4	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7	236.7
2.5°	238.1	235.4	231.3	227.2	223.1	220.4	217.6	216.3	214.2	212.2	212.2
5°	246.3	240.8	231.3	221.7	212.9	205.4	197.9	193.8	191.0	188.3	189.0
7.5°	261.3	253.1	237.4	221.7	207.4	195.1	184.9	176.7	171.2	167.8	168.5
10°	282.5	273.6	249.7	227.2	206.7	189.0	174.7	163.1	156.2	152.8	152.8
12.5°	315.9	300.9	269.5	237.4	210.1	186.3	167.8	154.2	144.6	140.5	139.9
15°	356.1	335.0	296.8	257.2	218.3	186.3	162.4	152.8	146.7	144.0	143.3
17.5°	403.9	380.7	328.2	275.6	229.2	190.4	169.9	158.3	151.5	148.7	148.1
20°	455.7	428.5	362.3	298.8	240.2	202.6	177.4	163.1	155.6	152.8	152.8
22.5°	519.2	483.0	399.1	319.3	253.8	212.9	184.9	167.2	160.3	157.6	156.9
25°	584.7	543.8	442.8	341.1	268.8	221.1	190.4	171.2	164.4	161.7	162.4
27.5°	661.8	609.3	485.8	363.0	281.8	225.8	193.1	174.7	167.8	165.8	166.5
30°	742.3	676.1	524.0	385.5	290.6	229.2	195.1	177.4	169.9	168.5	168.5
32.5°	827.6	752.5	563.5	405.3	296.1	229.9	195.1	178.8	171.2	170.6	171.2
35°	914.9	826.2	601.8	421.0	298.8	229.2	194.4	180.1	171.2	171.2	171.2
37.5°	1011.8	898.5	633.8	431.9	299.5	227.2	193.8	179.4	171.2	171.2	171.9
40°	1111.4	975.6	669.3	440.7	298.8	225.8	193.1	179.4	171.2	171.2	171.9
42.5°	1210.3	1047.3	702.7	446.2	297.5	224.5	192.4	179.4	171.2	169.9	170.6
45°	1317.4	1130.5	734.8	449.6	296.1	223.8	192.4	178.8	171.2	168.5	169.2
47.5°	1417.1	1207.6	760.7	453.7	295.4	223.8	193.1	178.8	170.6	167.8	167.8
50°	1529.6	1287.4	787.3	455.1	294.1	223.8	193.1	178.8	169.9	165.8	166.5
52.5°	1640.8	1367.9	813.3	457.8	294.1	224.5	193.8	178.8	169.2	163.7	163.7
55°	1747.3	1439.6	836.4	459.8	294.1	225.8	195.8	178.8	168.5	161.7	161.7
57.5°	1844.8	1513.2	859.6	460.5	294.1	227.2	195.8	179.4	167.8	159.6	159.6
60°	1931.5	1576.7	876.0	461.2	293.4	228.6	197.2	178.8	167.2	157.6	157.6
62.5°	1992.9	1625.1	884.2	459.2	293.4	228.6	197.9	178.8	166.5	156.9	156.2
65°	2027.7	1642.2	879.4	453.0	292.0	228.6	197.2	178.1	165.1	155.6	154.9
67.5°	2016.1	1623.8	859.0	443.5	288.6	227.9	197.2	176.7	165.1	154.9	153.5
70°	1953.3	1568.5	820.1	429.1	283.8	225.1	194.4	174.7	163.7	154.2	152.8
72.5°	1830.5	1457.3	763.4	406.6	275.6	221.1	191.0	171.2	161.0	152.1	150.1
75°	1659.9	1324.9	694.5	383.4	265.4	215.6	186.9	167.8	157.6	149.4	147.4
77.5°	1440.9	1148.2	618.1	353.4	252.4	208.1	181.5	162.4	152.8	145.3	142.6
80°	1213.7	967.4	535.6	322.0	238.8	198.5	173.3	155.6	146.7	139.9	136.5
82.5°	982.5	794.8	458.5	292.0	223.1	187.6	165.1	148.1	139.9	132.4	128.9
85°	775.0	628.4	384.1	260.6	206.7	176.7	155.6	139.2	131.7	123.5	120.1
87.5°	603.1	498.7	321.3	232.0	189.0	164.4	145.3	130.3	121.4	113.9	111.2
90°	470.1	393.0	268.8	204.7	173.3	152.1	134.4	120.8	111.9	104.4	101.0
92.5°	358.2	311.1	225.1	180.8	157.6	139.9	124.2	111.2	102.3	94.2	90.7
95°	280.4	247.0	190.4	159.0	141.9	126.9	113.9	101.7	92.1	83.2	81.2
97.5°	217.6	197.9	160.3	139.2	128.3	114.6	103.0	92.1	82.6	73.7	71.6
100°	171.9	157.6	135.8	123.5	113.9	103.0	92.8	83.2	73.0	63.5	62.8
102.5°	135.8	129.6	115.3	108.5	101.0	92.8	83.9	73.7	63.5	54.6	53.9
105°	111.2	105.8	98.9	94.8	90.1	82.6	74.4	65.5	55.3	47.1	47.1
107.5°	90.1	87.3	83.9	83.2	79.8	73.7	66.9	58.0	47.8	40.9	40.9
110°	73.7	73.0	73.0	73.0	71.0	66.2	59.4	50.5	40.3	35.5	35.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	62.1	62.1	62.8	64.1	62.8	58.0	51.9	43.7	34.8	30.7	30.7
115°	52.5	53.2	55.3	55.9	55.3	51.9	45.7	37.5	29.3	26.6	27.3
117.5°	45.7	45.7	48.4	49.8	49.1	45.7	39.6	32.1	25.2	23.9	23.9
120°	39.6	40.9	43.0	43.7	43.0	39.6	34.8	27.3	21.8	21.2	21.2
122.5°	34.8	35.5	37.5	38.9	37.5	34.8	29.3	23.2	18.4	18.4	19.1
125°	30.7	31.4	32.7	34.1	32.7	29.3	25.2	19.1	16.4	16.4	16.4
127.5°	27.3	28.0	29.3	29.3	28.0	25.2	21.2	16.4	13.6	14.3	14.3
130°	23.9	24.6	25.2	25.2	24.6	21.8	17.7	13.6	12.3	13.0	13.0
132.5°	21.2	21.8	21.8	21.8	20.5	18.4	15.0	11.6	10.9	11.6	11.6
135°	18.4	18.4	19.1	18.4	17.1	15.0	11.6	9.6	9.6	10.2	10.2
137.5°	15.7	16.4	16.4	15.0	13.6	11.6	9.6	8.2	8.2	8.9	8.9
140°	13.0	13.6	13.0	12.3	10.9	9.6	7.5	6.1	6.8	7.5	7.5
142.5°	10.9	10.9	10.9	9.6	8.2	6.8	5.5	5.5	6.1	6.1	6.8
145°	8.2	8.2	8.2	7.5	6.1	4.8	4.1	4.1	4.8	5.5	5.5
147.5°	6.1	6.1	6.1	5.5	4.1	3.4	2.7	3.4	4.1	4.8	4.1
150°	4.1	4.1	4.1	3.4	2.7	2.0	2.0	2.7	3.4	3.4	3.4
152.5°	2.7	2.7	2.7	2.7	2.0	0.7	1.4	2.0	2.7	2.7	2.7
155°	2.0	2.0	2.0	2.0	1.4	0.0	0.7	1.4	2.0	2.0	2.0
157.5°	1.4	1.4	1.4	1.4	0.7	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.7	1.4	1.4	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)