

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: P415392

Luminaire Tested: **LXF.LXT-PA1-50-727-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415392  
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-PA1-50-727-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 670mA 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: 5173 lumens  
Efficiency: N/A  
Efficacy: 95.8 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 - G2

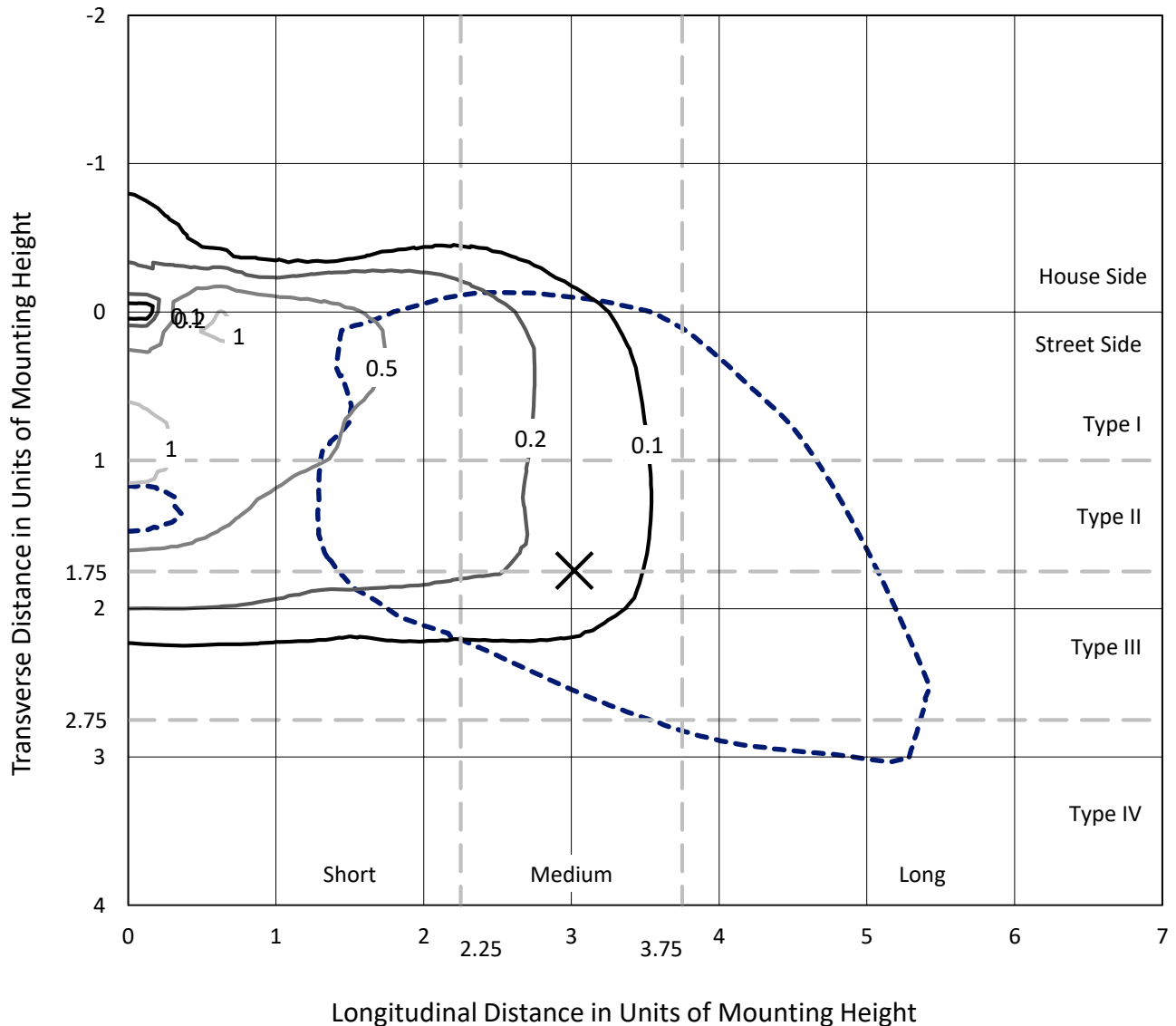
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

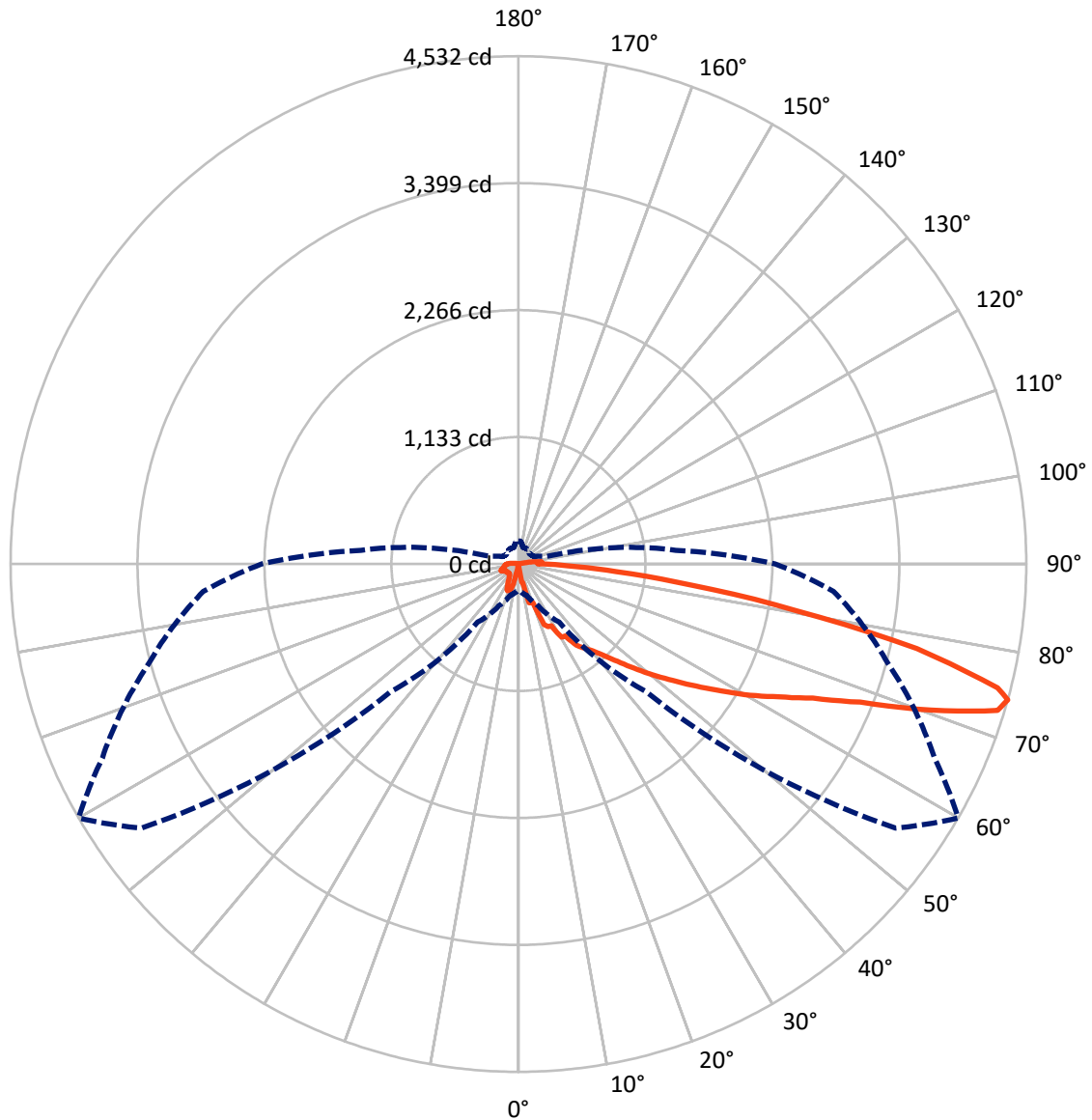
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	793.9	50.3	844.2
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	4274.9	53.9	4328.8
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	5068.8	104.2	5173.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	66.1	1.3
20°-30°	200.0	3.9
30°-40°	400.4	7.7
40°-50°	686.9	13.3
50°-60°	1047.1	20.2
60°-70°	1290.2	24.9
70°-80°	1078.6	20.9
80°-90°	293.8	5.7
90°-100°	75.9	1.5
100°-110°	13.6	0.3
110°-120°	5.0	0.1
120°-130°	3.8	0.1
130°-140°	2.7	0.1
140°-150°	2.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5068.8	98.0
0°-180°	5173.0	100.0

**Coefficient of Utilization**



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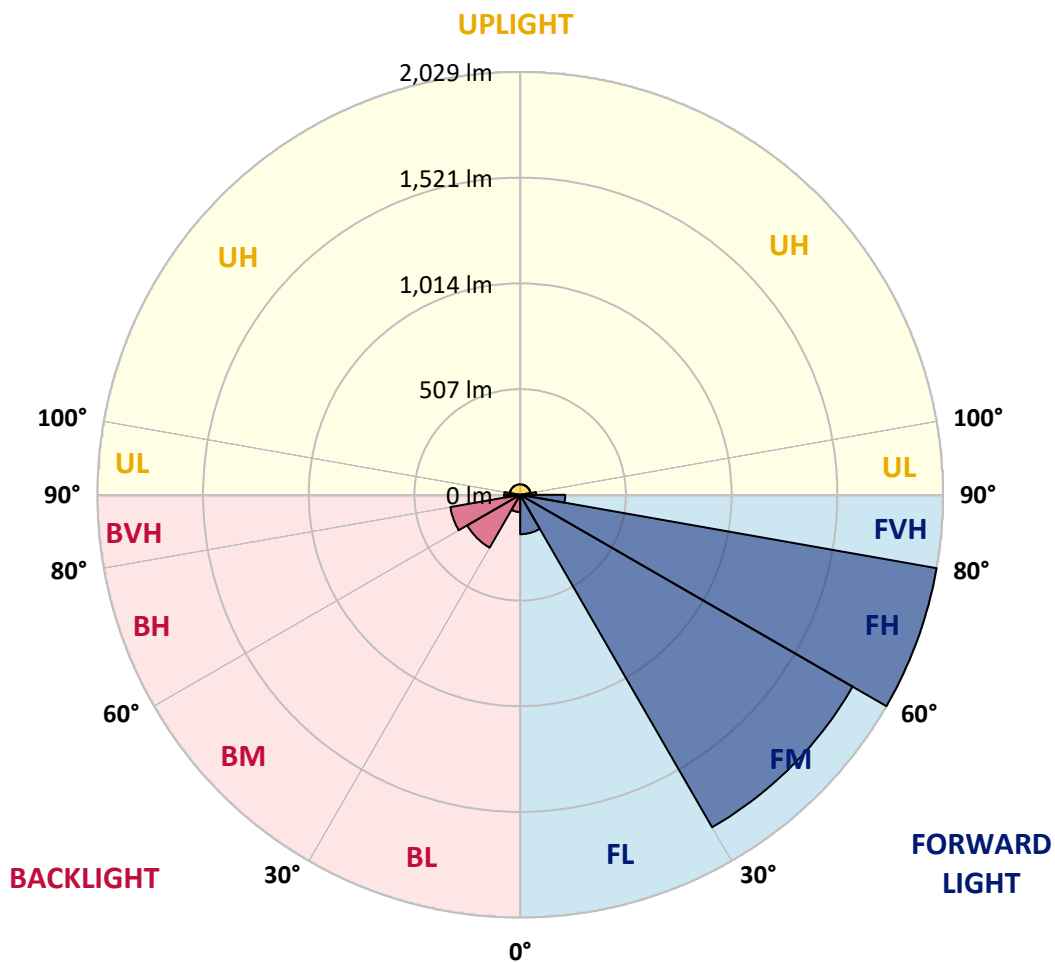
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.9	3.7			
FM (30°-60°)	1841.5	35.6			
FH (60°-80°)	2028.5	39.2			G2/5000
FVH (80°-90°)	215.9	4.2			G2/225
BL (0°-30°)	82.9	1.6	B0/110		
BM (30°-60°)	292.9	5.7	B1/1000		
BH (60°-80°)	340.2	6.6	B1/500		G1/500
BVH (80°-90°)	77.8	1.5			G1/100
UL (90°-100°)	75.9	1.5		U3/500	
UH (100°-180°)	50.3	1.0		U3/500	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	6.5	5.9	5.3	5.9	6.5	5.9	4.7	4.1	3.5	3.5	3.5
5°	172.4	170.1	168.9	131.7	31.3	19.5	7.7	5.3	4.7	3.5	3.5
7.5°	174.8	172.4	173.0	172.4	169.5	169.5	54.9	20.1	11.2	4.1	4.1
10°	184.2	180.7	176.0	175.4	174.2	172.4	169.5	165.9	37.8	6.5	5.9
12.5°	340.1	338.4	336.0	259.2	187.8	174.8	173.0	168.9	129.9	24.8	114.6
15°	337.8	337.2	333.1	334.8	334.2	190.1	215.5	359.6	345.5	250.4	288.8
17.5°	354.3	352.5	340.1	332.5	333.1	379.7	352.5	354.9	356.1	316.5	309.4
20°	480.7	477.7	476.5	463.0	338.4	445.8	454.7	368.5	377.3	491.3	549.2
22.5°	486.6	482.5	477.7	474.2	533.8	444.1	480.7	587.0	560.4	650.2	613.0
25°	657.2	646.0	599.4	485.4	533.2	511.4	621.8	618.9	585.8	678.5	655.5
27.5°	711.6	703.9	669.6	643.7	543.9	612.4	618.3	624.8	737.0	936.0	872.2
30°	953.1	893.5	739.3	723.4	649.0	617.7	706.8	757.6	829.1	940.1	922.4
32.5°	1091.3	1062.3	987.9	874.0	760.0	675.6	766.5	766.5	833.2	1136.2	1166.3
35°	1315.1	1221.8	1076.5	999.2	866.9	808.4	790.1	889.9	985.0	1193.4	1191.7
37.5°	1396.0	1387.1	1332.8	1095.4	1019.2	879.3	921.2	951.9	1032.2	1276.1	1272.6
40°	1440.3	1459.8	1463.9	1303.3	1132.0	1015.7	1000.9	1018.1	1095.4	1392.4	1347.6
42.5°	1590.3	1597.3	1619.2	1436.1	1300.9	1164.5	1123.2	1116.1	1169.8	1527.7	1446.8
45°	1832.4	1835.9	1820.0	1589.1	1438.5	1312.1	1266.1	1238.9	1286.1	1661.7	1572.5
47.5°	2109.9	2118.2	2041.4	1762.1	1563.7	1454.4	1429.6	1387.7	1417.8	1782.8	1729.0
50°	2330.8	2328.4	2191.4	1902.1	1690.1	1600.3	1592.6	1553.7	1557.2	1929.8	1897.9
52.5°	2388.1	2384.5	2267.6	2005.4	1805.2	1752.1	1786.9	1726.7	1695.4	2082.2	2073.3
55°	2301.8	2308.3	2253.4	2048.5	1878.4	1885.5	1975.9	1923.9	1881.4	2226.2	2240.4
57.5°	2177.2	2169.6	2177.8	2065.0	1935.7	2016.0	2200.9	2135.9	2095.2	2389.2	2405.2
60°	1946.3	1935.7	2042.6	2047.3	1988.9	2163.7	2440.0	2376.8	2319.6	2561.1	2543.9
62.5°	1595.0	1581.4	1774.5	1938.7	2049.7	2336.7	2676.2	2607.7	2552.2	2743.5	2711.1
65°	1061.7	1126.1	1352.3	1701.3	2027.2	2585.9	2988.6	2885.9	2784.9	2930.7	2924.8
67.5°	615.9	662.0	827.9	1210.0	1842.4	2799.1	3484.1	3289.2	3115.0	3142.7	3129.2
70°	382.1	396.2	468.3	698.0	1298.5	2728.8	4033.2	3907.5	3538.4	3378.9	3161.0
72.5°	296.4	305.9	347.2	455.9	789.5	2110.5	4294.2	4470.8	3965.9	3440.9	3004.0
74°	242.7	248.6	291.7	408.0	633.6	1609.2	4108.8	4532.2	4097.0	3410.8	2823.3
75°	191.9	197.8	246.2	391.5	602.3	1283.8	3834.2	4418.2	4101.1	3364.2	2605.4
77.5°	117.5	121.6	132.9	270.5	547.4	733.4	2829.2	3637.0	3634.6	2793.7	1868.4
80°	93.3	94.5	99.2	142.3	445.8	664.9	1791.6	2510.3	2492.0	1677.1	957.2
82.5°	64.4	69.1	78.5	92.1	237.4	651.3	1129.7	1559.6	1345.2	638.3	400.4
85°	43.1	46.7	59.6	68.5	127.0	693.3	810.8	877.5	662.0	315.9	264.0
87.5°	17.7	18.3	27.2	33.1	51.4	332.5	545.6	434.6	304.7	200.2	214.9
90°	9.4	9.4	7.1	7.7	18.9	71.5	178.3	173.0	143.5	164.8	202.0
92.5°	10.6	10.6	7.1	7.7	18.3	56.1	193.1	197.2	164.8	175.4	216.1
95°	11.8	11.8	7.1	7.1	17.7	38.4	185.4	208.5	169.5	184.2	217.9
97.5°	13.0	13.6	6.5	6.5	14.2	28.9	116.3	142.3	110.4	95.7	104.5
100°	13.6	13.6	5.9	5.9	9.4	20.7	53.7	68.5	53.1	24.8	17.1
102.5°	13.6	14.2	5.9	5.3	6.5	13.0	17.1	24.8	19.5	14.8	15.9
105°	13.0	14.2	5.9	5.3	5.3	7.1	8.9	10.0	10.6	10.6	16.5
107.5°	10.0	11.2	4.7	5.3	4.7	4.7	3.5	4.1	5.3	9.4	16.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.1	7.1	3.5	4.7	4.1	4.7	3.0	3.5	4.7	7.1	13.6
112.5°	3.5	3.0	2.4	3.5	3.5	4.1	3.0	3.0	4.1	5.9	9.4
115°	2.4	3.0	1.8	2.4	3.0	3.0	2.4	3.0	3.5	5.9	10.0
117.5°	2.4	2.4	1.8	2.4	3.0	2.4	2.4	3.0	3.5	5.9	10.0
120°	3.0	2.4	1.8	2.4	2.4	1.8	2.4	3.0	3.0	5.9	10.0
122.5°	3.0	3.0	2.4	2.4	2.4	1.8	2.4	2.4	3.0	5.9	9.4
125°	3.5	3.0	2.4	2.4	2.4	1.8	2.4	2.4	3.0	5.3	8.9
127.5°	3.5	3.5	2.4	2.4	3.0	1.8	2.4	2.4	3.0	4.7	8.3
130°	3.5	3.5	3.0	2.4	3.0	2.4	2.4	2.4	3.0	4.1	7.1
132.5°	3.5	3.5	3.0	3.0	3.0	2.4	2.4	2.4	2.4	3.5	5.9
135°	4.1	3.5	3.0	3.0	3.5	2.4	2.4	2.4	2.4	3.0	4.1
137.5°	4.1	4.1	3.5	3.5	4.1	3.0	2.4	3.0	3.0	3.0	3.5
140°	4.7	4.7	4.7	4.1	4.1	3.0	3.0	3.0	3.0	3.5	3.5
142.5°	5.9	5.3	5.3	4.7	4.1	3.0	3.0	3.0	3.5	3.5	3.5
145°	6.5	6.5	5.9	5.3	4.1	3.0	3.0	3.5	3.5	4.1	4.1
147.5°	6.5	6.5	5.9	4.7	3.5	2.4	3.0	3.5	3.5	4.1	4.7
150°	6.5	5.9	5.3	4.1	3.0	1.8	2.4	3.0	3.5	4.1	4.7
152.5°	4.7	4.7	4.1	3.0	2.4	1.2	1.8	2.4	3.0	3.5	4.1
155°	3.0	3.0	2.4	1.8	1.8	1.2	1.8	2.4	2.4	3.0	3.5
157.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	2.4	2.4
160°	0.6	0.6	1.2	0.6	1.2	1.2	1.2	1.8	1.8	1.8	1.8
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.0	3.0	1.8	2.4	2.4	3.0	3.5	4.1
5°	3.5	4.1	3.5	3.0	3.0	2.4	3.0	3.0	3.0	4.1	4.1
7.5°	4.1	4.1	3.5	3.5	3.0	2.4	4.1	127.6	146.4	151.2	152.4
10°	5.3	5.3	4.7	4.1	3.5	137.6	151.8	151.8	150.6	151.8	151.8
12.5°	117.5	126.4	20.1	10.0	113.4	142.9	139.4	137.0	134.6	132.3	131.1
15°	285.8	277.0	253.9	190.7	176.0	131.1	120.5	167.1	178.3	181.3	180.7
17.5°	301.8	287.6	252.7	265.1	232.7	167.7	151.2	150.0	143.5	143.5	144.1
20°	567.5	535.0	344.9	258.6	202.0	203.1	129.3	115.2	120.5	128.1	132.9
22.5°	582.8	540.3	403.3	336.6	181.9	164.2	126.4	111.6	150.6	165.9	167.1
25°	621.8	553.9	408.6	283.4	205.5	134.6	125.8	116.3	138.2	152.4	151.2
27.5°	842.1	747.0	519.1	261.0	162.4	127.0	118.7	111.6	137.6	160.6	160.0
30°	840.9	736.4	479.5	240.3	134.0	118.1	108.1	121.6	128.1	137.0	137.6
32.5°	1091.9	936.0	524.4	199.6	118.7	102.2	106.9	111.0	116.3	138.8	143.5
35°	1097.2	915.3	455.3	183.1	109.2	97.4	100.4	109.8	121.1	135.2	136.4
37.5°	1118.4	904.7	377.9	151.2	112.2	98.6	104.5	115.2	112.2	131.7	134.0
40°	1157.4	907.6	317.7	135.2	110.4	98.6	109.2	111.0	111.6	121.6	122.8
42.5°	1217.6	923.6	266.9	128.1	108.7	106.9	105.7	106.3	102.2	122.2	124.6
45°	1303.3	956.6	227.9	125.8	108.7	124.6	110.4	106.3	97.4	140.5	150.6
47.5°	1429.6	1021.6	204.9	126.4	109.2	119.3	109.2	103.3	101.6	164.2	171.2
50°	1572.5	1096.0	189.6	128.7	109.2	117.5	107.5	106.3	112.8	166.5	168.3
52.5°	1726.1	1195.2	184.2	131.1	117.5	119.3	122.2	121.6	108.7	133.5	133.5
55°	1882.0	1298.0	186.0	134.0	124.0	122.2	130.5	115.2	93.3	99.2	98.0
57.5°	2029.0	1417.8	198.4	132.3	119.9	121.1	131.7	108.1	93.3	99.2	101.6
60°	2188.5	1547.7	232.7	127.6	118.1	117.5	129.9	114.0	93.3	114.0	114.6
62.5°	2382.7	1726.7	307.1	132.3	127.6	121.1	130.5	125.8	106.9	109.2	111.6
65°	2612.4	1911.5	377.9	150.6	134.6	121.6	128.7	132.3	121.1	116.9	116.3
67.5°	2780.7	1957.0	380.9	174.8	144.1	128.1	129.9	144.1	132.3	134.6	133.5
70°	2738.2	1833.0	330.1	184.8	150.0	133.5	133.5	149.4	139.4	160.0	160.6
72.5°	2530.4	1591.4	278.7	171.2	142.3	135.2	148.2	154.7	148.2	192.5	190.1
74°	2291.8	1409.6	256.3	155.9	139.4	134.6	152.4	154.7	152.9	205.5	203.7
75°	2108.7	1266.7	243.9	147.0	137.6	132.9	153.5	155.3	154.7	207.3	206.7
77.5°	1457.4	855.7	213.2	131.1	134.6	132.9	152.9	158.8	163.0	206.1	204.3
80°	747.6	468.3	177.7	124.0	133.5	136.4	151.2	153.5	160.0	194.9	193.1
82.5°	375.0	269.9	130.5	114.0	135.2	148.2	151.8	148.8	150.6	179.5	176.6
85°	241.5	186.6	86.8	95.7	137.6	160.6	151.2	138.8	141.1	156.5	155.3
87.5°	194.3	138.2	53.1	74.4	146.4	147.0	138.2	122.8	119.9	122.8	121.1
90°	179.5	128.1	44.9	70.3	141.7	122.8	112.8	100.4	89.8	90.3	86.8
92.5°	193.1	134.0	47.8	69.7	112.8	86.2	82.7	76.2	63.2	56.1	52.6
95°	190.1	128.7	48.4	59.1	82.7	49.0	58.5	53.7	39.0	29.5	27.8
97.5°	91.5	65.0	43.1	46.1	48.4	37.2	49.6	45.5	28.3	18.3	17.1
100°	17.1	24.2	38.4	43.7	38.4	28.9	39.0	34.8	15.4	9.4	8.9
102.5°	16.5	13.6	28.9	39.6	24.2	16.5	21.3	19.5	10.0	7.1	7.1
105°	17.1	13.6	13.6	27.2	14.8	7.7	6.5	9.4	7.1	7.1	7.7
107.5°	17.7	13.6	8.3	8.9	7.1	5.9	4.7	4.7	5.3	7.7	8.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.2	11.8	7.7	7.1	6.5	5.9	4.7	4.1	5.3	8.3	8.9
112.5°	10.0	9.4	7.1	5.9	5.3	5.3	4.1	3.5	5.3	8.9	9.4
115°	10.0	9.4	5.9	5.3	4.1	4.7	4.1	3.5	5.3	10.0	10.6
117.5°	10.6	8.9	5.9	4.7	3.5	3.5	3.5	3.5	5.9	10.0	10.6
120°	10.6	8.9	5.9	4.1	3.5	3.0	3.5	3.5	5.9	10.0	11.2
122.5°	10.0	8.9	5.3	4.1	3.5	3.0	3.0	3.0	5.3	10.0	10.6
125°	9.4	8.3	5.3	4.1	3.5	2.4	3.0	3.0	5.3	9.4	10.6
127.5°	8.9	7.7	5.3	4.1	3.0	2.4	3.0	3.0	5.3	8.9	10.0
130°	7.7	7.1	4.7	3.5	3.0	2.4	3.0	3.0	5.3	8.3	9.4
132.5°	6.5	5.9	4.1	3.5	3.0	2.4	3.0	2.4	4.1	7.7	8.3
135°	4.7	4.7	4.1	3.0	3.0	1.8	2.4	2.4	3.5	5.9	6.5
137.5°	4.1	4.1	3.5	3.0	3.0	1.8	2.4	1.8	3.0	4.7	5.3
140°	4.1	4.1	3.5	3.0	2.4	1.8	1.8	1.8	2.4	4.1	4.1
142.5°	4.1	4.1	3.5	3.0	2.4	1.8	1.8	1.8	2.4	3.5	4.1
145°	4.1	4.1	4.1	3.5	2.4	1.8	1.8	1.8	2.4	3.5	3.5
147.5°	4.7	4.7	4.1	3.0	2.4	1.2	1.2	1.8	2.4	3.5	3.5
150°	4.7	4.7	4.1	3.0	2.4	1.2	0.6	1.2	1.8	3.0	3.5
152.5°	4.1	4.1	3.5	3.0	1.8	1.2	0.6	1.2	1.8	3.0	3.0
155°	3.5	3.5	3.0	2.4	1.8	0.6	0.0	0.6	1.2	2.4	2.4
157.5°	2.4	3.0	2.4	1.8	1.2	0.6	0.0	0.6	0.6	1.8	1.8
160°	2.4	2.4	2.4	1.8	1.2	0.6	0.0	0.0	0.6	1.2	1.2
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)