

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: P695321

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T3-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695321  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-727-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4775 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

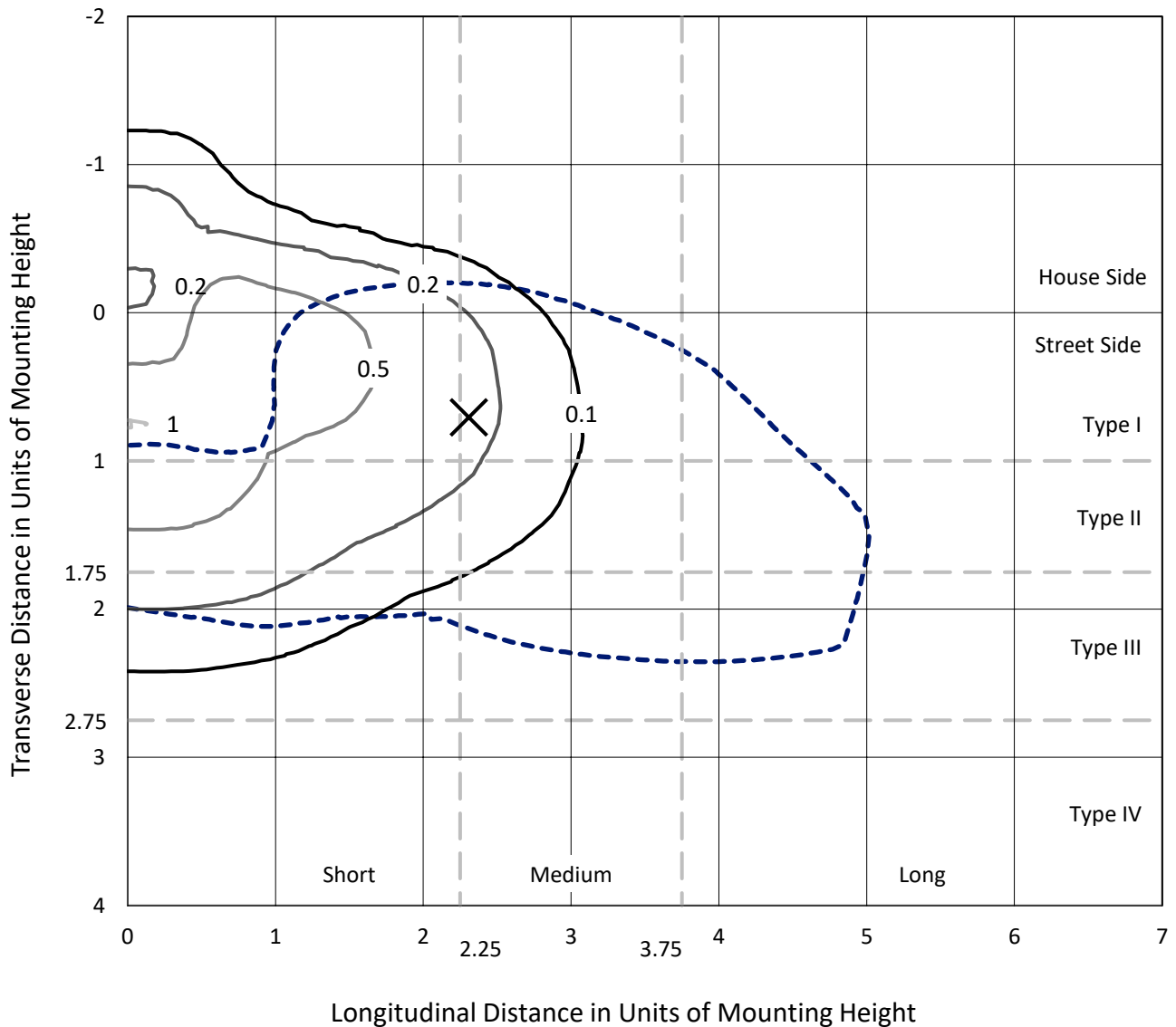
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

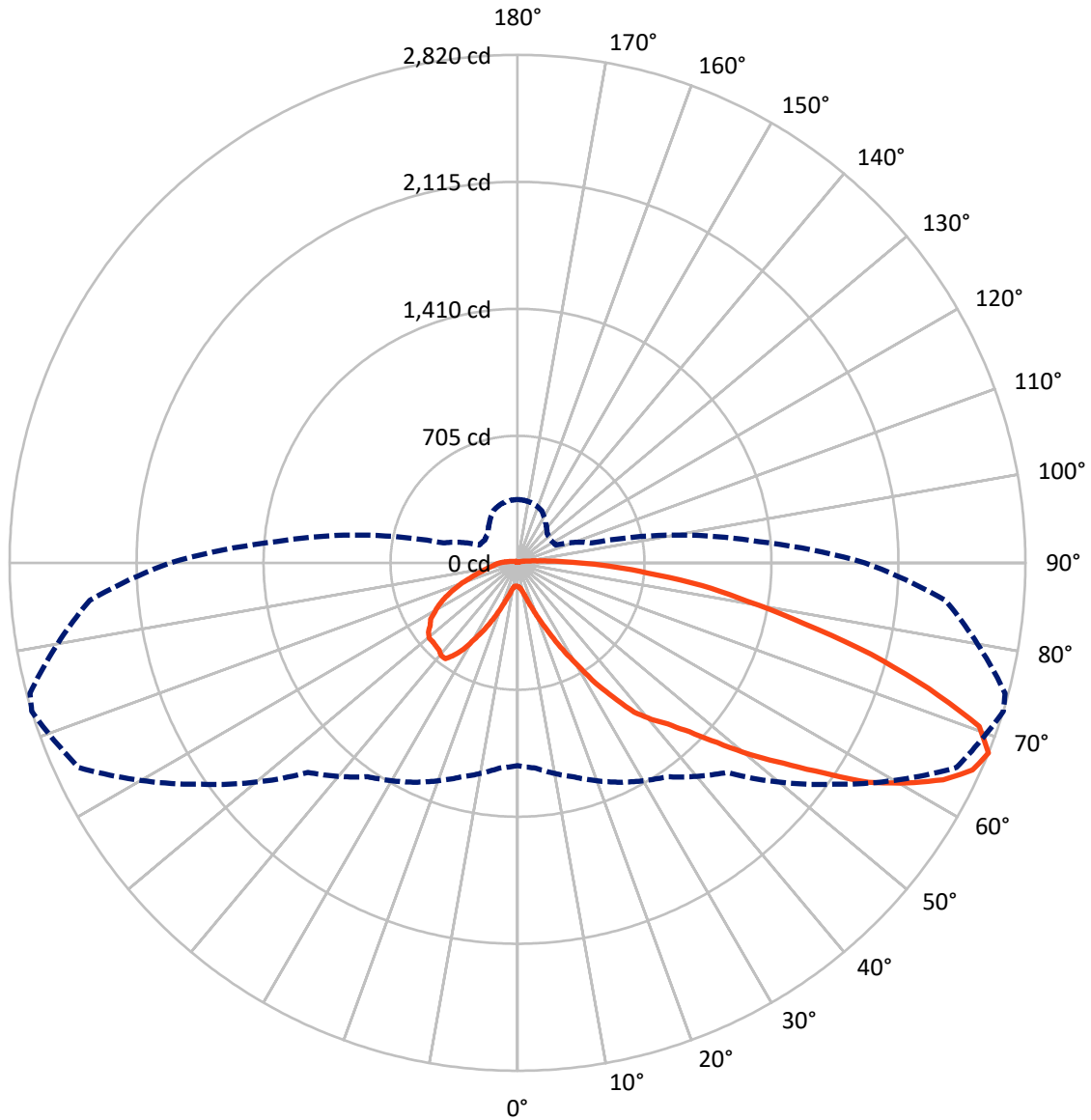
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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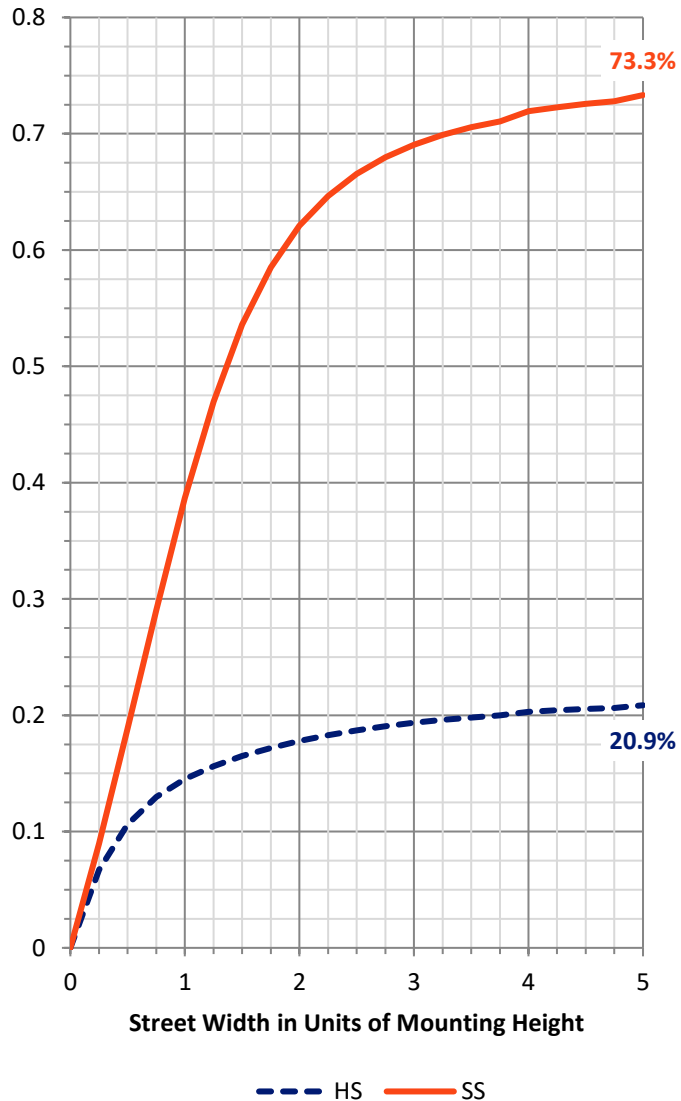
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1044.9	78.1	1123.0
	% Fixture	21.9	1.6	23.5
<b>Street Side</b>	Lumens	3572.0	80.0	3652.0
	% Fixture	74.8	1.7	76.5
<b>Total</b>	Lumens	4616.9	158.1	4775.0
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	58.7	1.2
20°-30°	180.6	3.8
30°-40°	415.9	8.7
40°-50°	673.9	14.1
50°-60°	999.6	20.9
60°-70°	1163.9	24.4
70°-80°	799.5	16.7
80°-90°	311.5	6.5
90°-100°	88.4	1.9
100°-110°	32.3	0.7
110°-120°	16.6	0.3
120°-130°	10.4	0.2
130°-140°	6.9	0.1
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4616.9	96.7
0°-180°	4775.0	100.0

**Coefficient of Utilization**

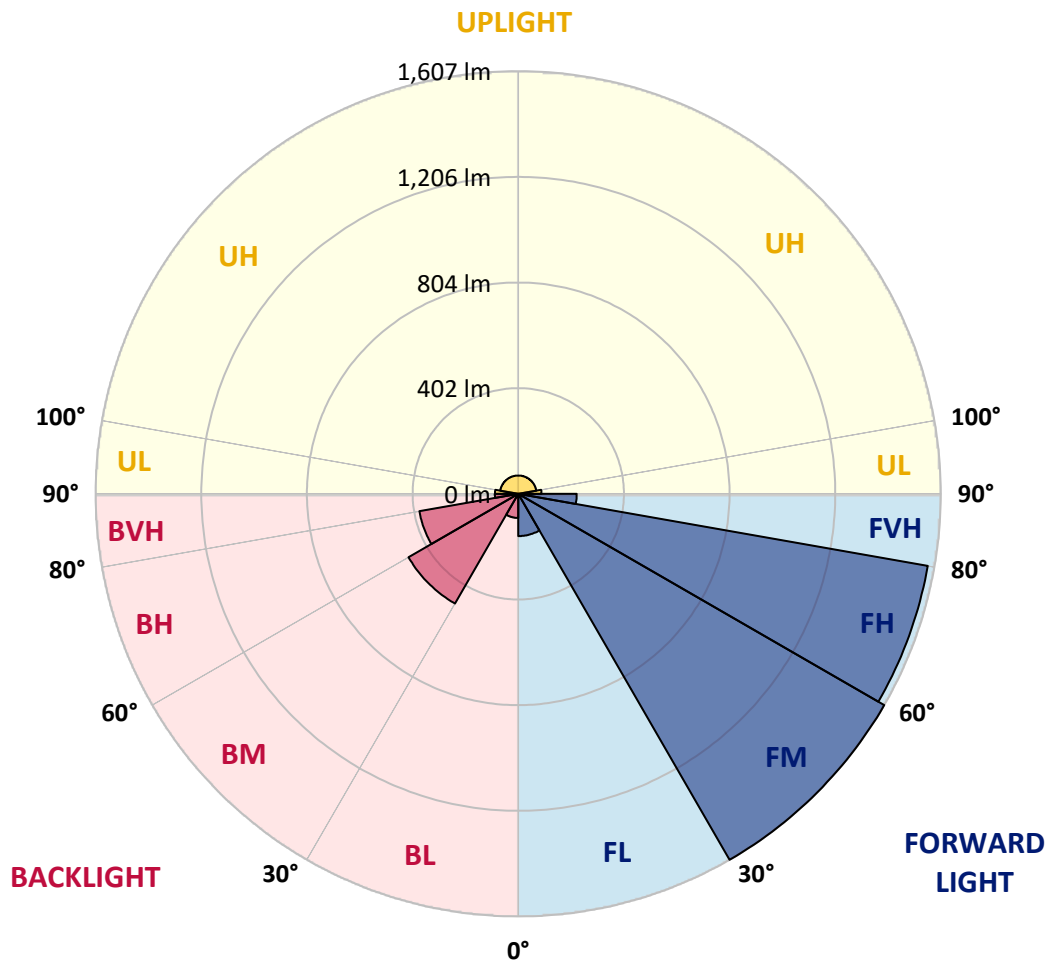


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	160.8	3.4			
FM (30°-60°)	1607.4	33.7			
FH (60°-80°)	1581.6	33.1			G1/1800
FVH (80°-90°)	222.2	4.7			G2/225
BL (0°-30°)	91.9	1.9	B0/110		
BM (30°-60°)	481.9	10.1	B1/1000		
BH (60°-80°)	381.8	8.0	B1/500		G1/500
BVH (80°-90°)	89.3	1.9			G1/100
UL (90°-100°)	88.4	1.9		U3/500	
UH (100°-180°)	69.7	1.5		U3/500	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	138.4	140.2	140.2	140.2	140.2	138.4	136.7	135.0	135.0	133.2	131.5
5°	155.7	155.7	154.0	154.0	152.3	150.5	147.1	143.6	140.2	140.2	136.7
7.5°	171.3	173.0	173.0	169.6	167.8	164.4	159.2	154.0	150.5	148.8	143.6
10°	195.5	197.3	195.5	192.1	188.6	183.4	176.5	171.3	166.1	162.6	157.5
12.5°	228.4	228.4	226.7	219.7	212.8	207.6	200.7	195.5	188.6	188.6	181.7
15°	268.2	269.9	264.7	259.5	249.2	240.5	231.9	228.4	224.9	224.9	216.3
17.5°	318.4	320.1	313.2	299.3	287.2	280.3	275.1	269.9	266.5	266.5	257.8
20°	392.8	382.4	380.7	351.2	337.4	327.0	323.6	320.1	321.8	318.4	313.2
22.5°	475.8	468.9	458.5	423.9	398.0	382.4	377.2	378.9	384.1	384.1	382.4
25°	574.5	576.2	550.2	507.0	467.2	444.7	443.0	460.3	465.4	468.9	467.2
27.5°	686.9	693.8	652.3	605.6	550.2	512.2	515.6	545.0	562.3	564.1	562.3
30°	832.3	835.7	783.8	711.1	633.3	590.0	600.4	641.9	661.0	667.9	671.3
32.5°	998.4	998.4	939.5	844.4	728.4	667.9	678.3	750.9	795.9	794.2	804.6
35°	1157.6	1145.4	1095.3	974.1	834.0	750.9	776.9	859.9	915.3	925.7	920.5
37.5°	1268.3	1276.9	1230.2	1112.6	941.3	837.5	873.8	979.3	1052.0	1052.0	1038.2
40°	1341.0	1351.3	1308.1	1207.7	1046.8	932.6	972.4	1086.6	1142.0	1145.4	1095.3
42.5°	1418.8	1427.5	1398.1	1294.2	1135.1	1022.6	1058.9	1167.9	1223.3	1221.6	1169.7
45°	1505.3	1517.5	1503.6	1398.1	1223.3	1107.4	1138.5	1264.8	1337.5	1349.6	1282.1
47.5°	1610.9	1619.5	1604.0	1500.2	1321.9	1193.9	1242.3	1396.3	1491.5	1493.2	1415.4
50°	1669.7	1687.0	1711.2	1629.9	1434.4	1290.8	1365.2	1562.4	1673.2	1693.9	1590.1
52.5°	1706.1	1725.1	1764.9	1747.6	1576.3	1418.8	1529.6	1752.8	1847.9	1877.4	1726.8
55°	1766.6	1787.4	1830.6	1806.4	1687.0	1565.9	1683.6	1946.6	2057.3	2071.1	1937.9
57.5°	1681.8	1702.6	1820.3	1867.0	1763.2	1693.9	1847.9	2162.8	2299.5	2320.3	2135.2
60°	1605.7	1619.5	1697.4	1830.6	1808.1	1785.6	2024.4	2370.5	2483.0	2489.9	2252.8
62.5°	1463.8	1495.0	1584.9	1693.9	1754.5	1818.5	2152.5	2534.9	2652.5	2664.6	2368.8
65°	1266.6	1289.1	1389.4	1545.1	1617.8	1764.9	2206.1	2668.1	2775.4	2768.4	2425.9
67.5°	1126.4	1143.7	1232.0	1344.4	1450.0	1645.5	2143.8	2688.9	2820.4	2803.1	2384.3
70°	884.2	904.9	1005.3	1181.8	1264.8	1458.6	1996.7	2605.8	2720.0	2704.4	2195.7
72.5°	704.2	723.3	818.4	967.2	1107.4	1263.1	1801.2	2341.1	2386.1	2346.3	1849.7
75°	515.6	541.6	605.6	740.6	908.4	1091.8	1517.5	1989.8	2026.2	1988.1	1501.9
77.5°	356.4	358.2	415.3	543.3	688.7	920.5	1259.6	1652.4	1628.2	1588.4	1148.9
80°	228.4	231.9	268.2	351.2	500.1	695.6	1017.4	1316.7	1294.2	1276.9	880.7
82.5°	147.1	141.9	173.0	230.1	339.1	505.2	790.7	1055.5	1031.2	989.7	666.2
85°	93.4	96.9	114.2	150.5	231.9	368.5	590.0	756.1	725.0	686.9	455.1
87.5°	70.9	72.7	83.1	107.3	157.5	259.5	403.2	526.0	505.2	468.9	306.3
90°	53.6	55.4	62.3	77.9	109.0	176.5	268.2	330.5	306.3	287.2	197.3
92.5°	38.1	39.8	46.7	58.8	81.3	122.8	173.0	193.8	179.9	173.0	128.0
95°	27.7	29.4	34.6	43.3	60.6	84.8	109.0	117.7	109.0	105.5	90.0
97.5°	22.5	24.2	26.0	32.9	46.7	62.3	74.4	76.1	74.4	70.9	67.5
100°	19.0	19.0	22.5	26.0	36.3	50.2	55.4	55.4	55.4	55.4	51.9
102.5°	15.6	15.6	19.0	22.5	29.4	39.8	43.3	43.3	41.5	43.3	41.5
105°	13.8	13.8	15.6	19.0	26.0	32.9	34.6	32.9	32.9	32.9	32.9
107.5°	12.1	12.1	13.8	17.3	22.5	27.7	29.4	27.7	26.0	26.0	27.7
110°	10.4	10.4	12.1	13.8	19.0	24.2	24.2	20.8	20.8	20.8	22.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	10.4	10.4	12.1	13.8	17.3	20.8	19.0	17.3	17.3	17.3	19.0
115°	10.4	10.4	10.4	12.1	15.6	17.3	17.3	15.6	13.8	15.6	17.3
117.5°	10.4	10.4	10.4	12.1	13.8	15.6	15.6	13.8	12.1	13.8	15.6
120°	10.4	10.4	10.4	12.1	13.8	13.8	13.8	12.1	12.1	12.1	13.8
122.5°	8.7	8.7	10.4	10.4	12.1	12.1	12.1	10.4	10.4	10.4	13.8
125°	8.7	8.7	10.4	10.4	12.1	12.1	10.4	10.4	10.4	10.4	12.1
127.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	8.7	10.4	10.4	12.1
130°	10.4	10.4	10.4	10.4	10.4	10.4	8.7	8.7	10.4	10.4	12.1
132.5°	10.4	10.4	10.4	10.4	10.4	8.7	8.7	8.7	8.7	10.4	10.4
135°	10.4	10.4	10.4	10.4	8.7	8.7	6.9	8.7	8.7	8.7	10.4
137.5°	8.7	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9	8.7	8.7
140°	8.7	6.9	6.9	6.9	6.9	6.9	5.2	5.2	6.9	6.9	8.7
142.5°	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9	6.9
145°	5.2	5.2	5.2	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2
147.5°	5.2	3.5	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2
150°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5	131.5
2.5°	131.5	129.8	129.8	128.0	126.3	126.3	124.6	124.6	124.6	124.6	122.8
5°	135.0	133.2	129.8	126.3	122.8	121.1	119.4	117.7	115.9	115.9	115.9
7.5°	140.2	138.4	133.2	128.0	122.8	117.7	114.2	112.5	110.7	109.0	109.0
10°	154.0	148.8	140.2	131.5	124.6	117.7	112.5	109.0	107.3	105.5	105.5
12.5°	173.0	171.3	157.5	143.6	131.5	121.1	114.2	112.5	110.7	110.7	109.0
15°	209.4	202.4	186.9	164.4	145.3	129.8	124.6	122.8	126.3	126.3	128.0
17.5°	249.2	240.5	219.7	192.1	166.1	148.8	141.9	143.6	147.1	150.5	150.5
20°	301.1	292.4	264.7	224.9	193.8	173.0	164.4	164.4	171.3	176.5	176.5
22.5°	372.0	356.4	316.6	263.0	221.5	197.3	185.1	183.4	192.1	197.3	197.3
25°	455.1	432.6	380.7	309.7	250.9	216.3	202.4	204.2	214.6	223.2	223.2
27.5°	541.6	517.4	444.7	353.0	278.6	230.1	218.0	224.9	238.8	247.4	249.2
30°	647.1	614.2	512.2	396.2	299.3	242.2	230.1	240.5	257.8	269.9	271.7
32.5°	766.5	725.0	596.9	439.5	314.9	249.2	237.0	257.8	278.6	295.9	295.9
35°	880.7	825.3	659.2	472.4	323.6	250.9	244.0	269.9	294.1	309.7	309.7
37.5°	982.8	911.9	711.1	489.7	323.6	250.9	245.7	275.1	297.6	308.0	306.3
40°	1022.6	937.8	712.9	481.0	318.4	247.4	244.0	271.7	289.0	292.4	289.0
42.5°	1083.2	979.3	700.8	451.6	301.1	242.2	238.8	259.5	269.9	269.9	266.5
45°	1176.6	1043.4	702.5	422.2	282.0	231.9	230.1	249.2	261.3	264.7	261.3
47.5°	1290.8	1123.0	704.2	396.2	264.7	223.2	224.9	247.4	259.5	256.1	254.4
50°	1441.3	1228.5	712.9	372.0	254.4	216.3	224.9	249.2	257.8	250.9	247.4
52.5°	1552.1	1290.8	697.3	349.5	247.4	214.6	228.4	252.6	257.8	247.4	247.4
55°	1714.7	1377.3	664.4	320.1	240.5	216.3	231.9	256.1	257.8	249.2	247.4
57.5°	1858.3	1455.2	645.4	294.1	233.6	219.7	237.0	261.3	264.7	259.5	257.8
60°	1924.1	1474.2	595.2	276.8	228.4	223.2	244.0	269.9	282.0	278.6	280.3
62.5°	2003.7	1477.7	546.8	261.3	226.7	226.7	252.6	287.2	302.8	302.8	304.5
65°	1998.5	1432.7	489.7	247.4	224.9	230.1	263.0	302.8	321.8	327.0	328.8
67.5°	1929.3	1344.4	427.4	233.6	221.5	231.9	271.7	318.4	340.9	349.5	351.2
70°	1714.7	1180.1	365.1	221.5	214.6	228.4	273.4	327.0	349.5	358.2	359.9
72.5°	1406.7	936.1	297.6	204.2	202.4	218.0	266.5	321.8	339.1	342.6	346.1
75°	1123.0	742.3	247.4	185.1	185.1	200.7	247.4	295.9	308.0	311.5	306.3
77.5°	840.9	562.3	205.9	167.8	167.8	183.4	223.2	261.3	271.7	269.9	271.7
80°	636.7	425.6	174.8	150.5	150.5	162.6	199.0	231.9	240.5	237.0	235.3
82.5°	477.6	318.4	152.3	135.0	135.0	145.3	173.0	200.7	207.6	207.6	202.4
85°	327.0	228.4	133.2	119.4	119.4	128.0	148.8	169.6	179.9	178.2	174.8
87.5°	228.4	173.0	117.7	107.3	105.5	112.5	128.0	147.1	159.2	160.9	157.5
90°	157.5	129.8	102.1	91.7	91.7	96.9	110.7	126.3	138.4	140.2	136.7
92.5°	110.7	98.6	84.8	77.9	76.1	83.1	91.7	102.1	109.0	109.0	110.7
95°	81.3	76.1	67.5	60.6	60.6	67.5	72.7	74.4	79.6	79.6	77.9
97.5°	62.3	60.6	55.4	48.4	46.7	53.6	55.4	57.1	60.6	58.8	57.1
100°	51.9	50.2	45.0	39.8	38.1	43.3	45.0	46.7	50.2	46.7	46.7
102.5°	41.5	41.5	38.1	32.9	32.9	36.3	38.1	39.8	41.5	39.8	38.1
105°	34.6	34.6	32.9	29.4	27.7	31.1	32.9	32.9	34.6	32.9	32.9
107.5°	27.7	29.4	27.7	24.2	24.2	26.0	27.7	27.7	27.7	27.7	27.7
110°	24.2	24.2	24.2	20.8	22.5	24.2	24.2	24.2	24.2	24.2	24.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.8	20.8	20.8	19.0	19.0	20.8	20.8	20.8	20.8	20.8	20.8
115°	19.0	19.0	19.0	17.3	17.3	19.0	17.3	17.3	17.3	19.0	19.0
117.5°	17.3	17.3	17.3	15.6	15.6	15.6	15.6	15.6	15.6	17.3	17.3
120°	15.6	15.6	15.6	13.8	13.8	13.8	13.8	13.8	13.8	15.6	15.6
122.5°	13.8	13.8	13.8	13.8	12.1	13.8	12.1	12.1	12.1	13.8	13.8
125°	12.1	13.8	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	13.8
127.5°	12.1	12.1	12.1	12.1	10.4	10.4	10.4	10.4	10.4	12.1	12.1
130°	12.1	12.1	12.1	10.4	10.4	10.4	8.7	8.7	10.4	10.4	12.1
132.5°	12.1	12.1	10.4	10.4	8.7	8.7	8.7	8.7	10.4	10.4	10.4
135°	10.4	10.4	10.4	8.7	8.7	8.7	6.9	8.7	8.7	10.4	10.4
137.5°	8.7	8.7	8.7	8.7	6.9	6.9	6.9	6.9	8.7	8.7	8.7
140°	8.7	8.7	6.9	6.9	6.9	5.2	5.2	6.9	6.9	8.7	8.7
142.5°	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	6.9	6.9	6.9
145°	5.2	5.2	5.2	5.2	3.5	3.5	5.2	5.2	5.2	6.9	6.9
147.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	5.2	5.2	5.2	5.2
150°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)