

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: P695589

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-727-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5585 lumens  
Efficiency: N/A  
Efficacy: 90.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

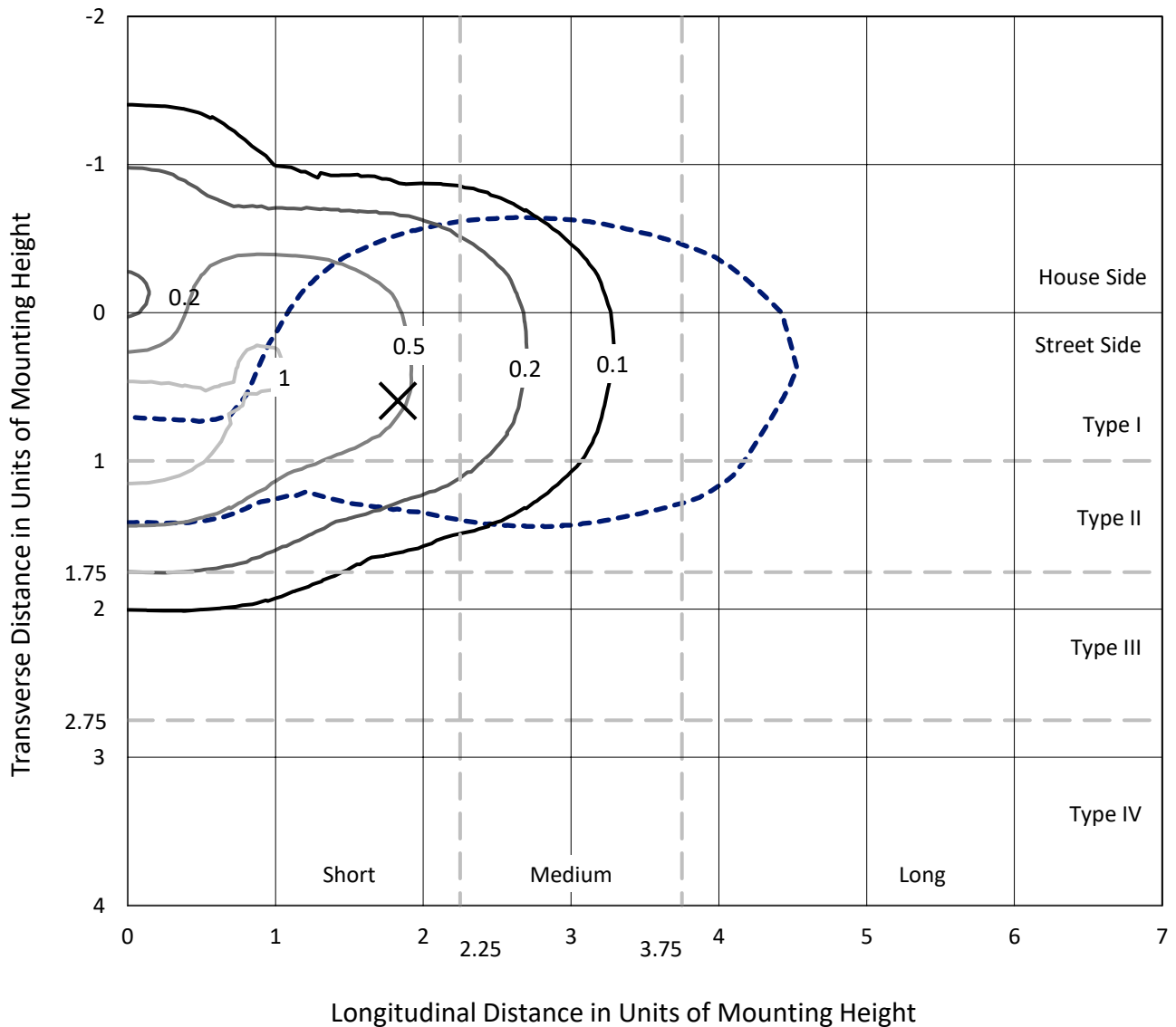
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

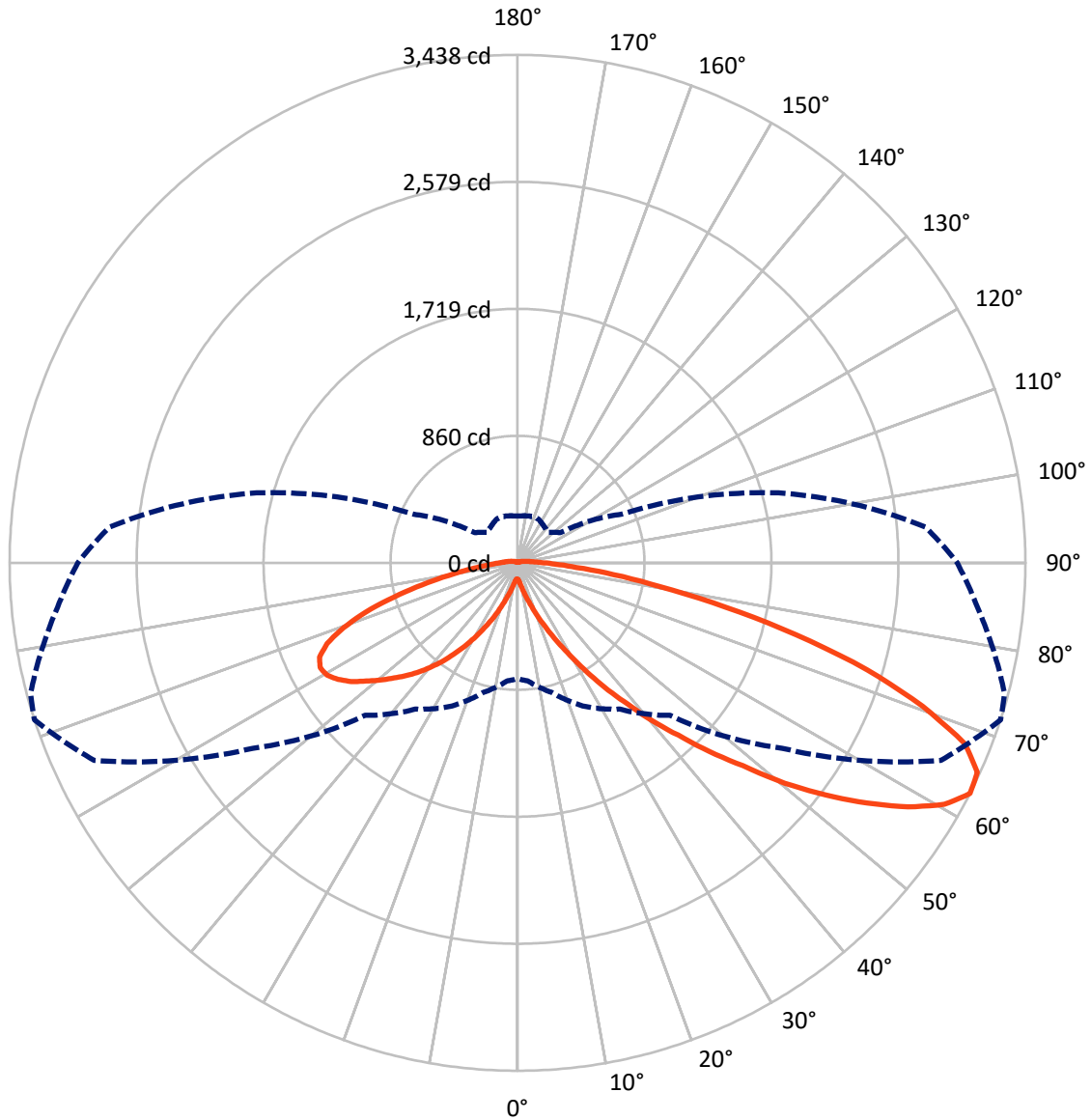
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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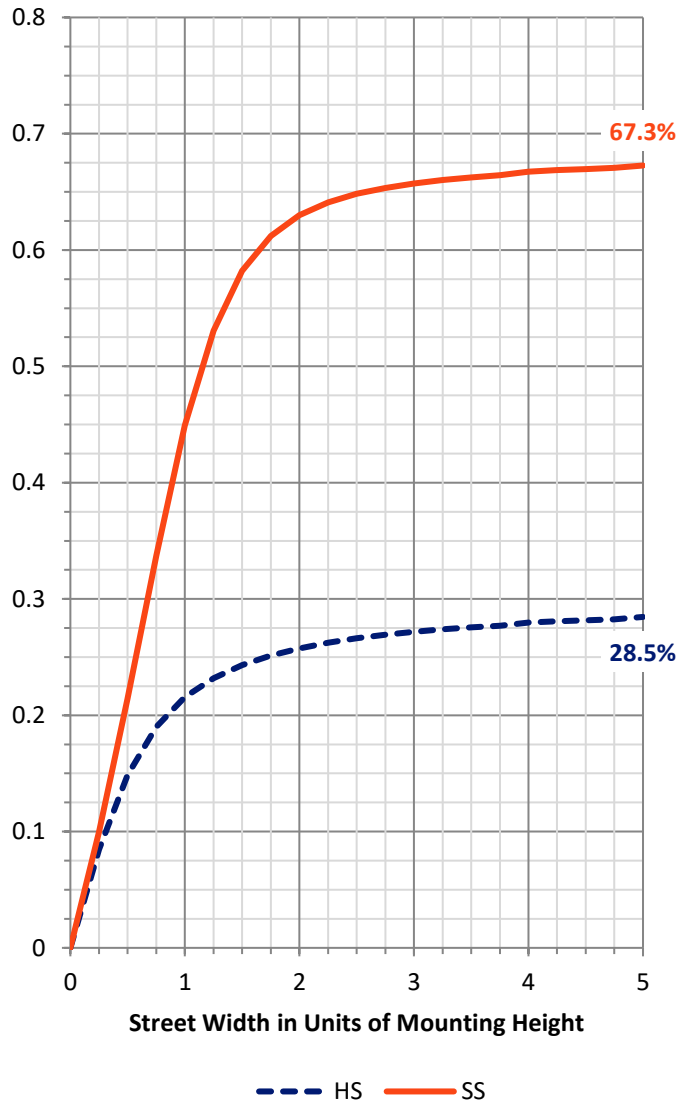
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1637.5	83.3	1720.8
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	3796.6	67.5	3864.2
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	5434.2	150.9	5585.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.9	0.2
10°-20°	70.5	1.3
20°-30°	232.8	4.2
30°-40°	556.1	10.0
40°-50°	988.7	17.7
50°-60°	1307.3	23.4
60°-70°	1256.0	22.5
70°-80°	762.4	13.7
80°-90°	247.4	4.4
90°-100°	76.0	1.4
100°-110°	35.5	0.6
110°-120°	18.4	0.3
120°-130°	10.9	0.2
130°-140°	6.5	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°	5434.2	97.3
0°-180°	5585.0	100.0

**Coefficient of Utilization**

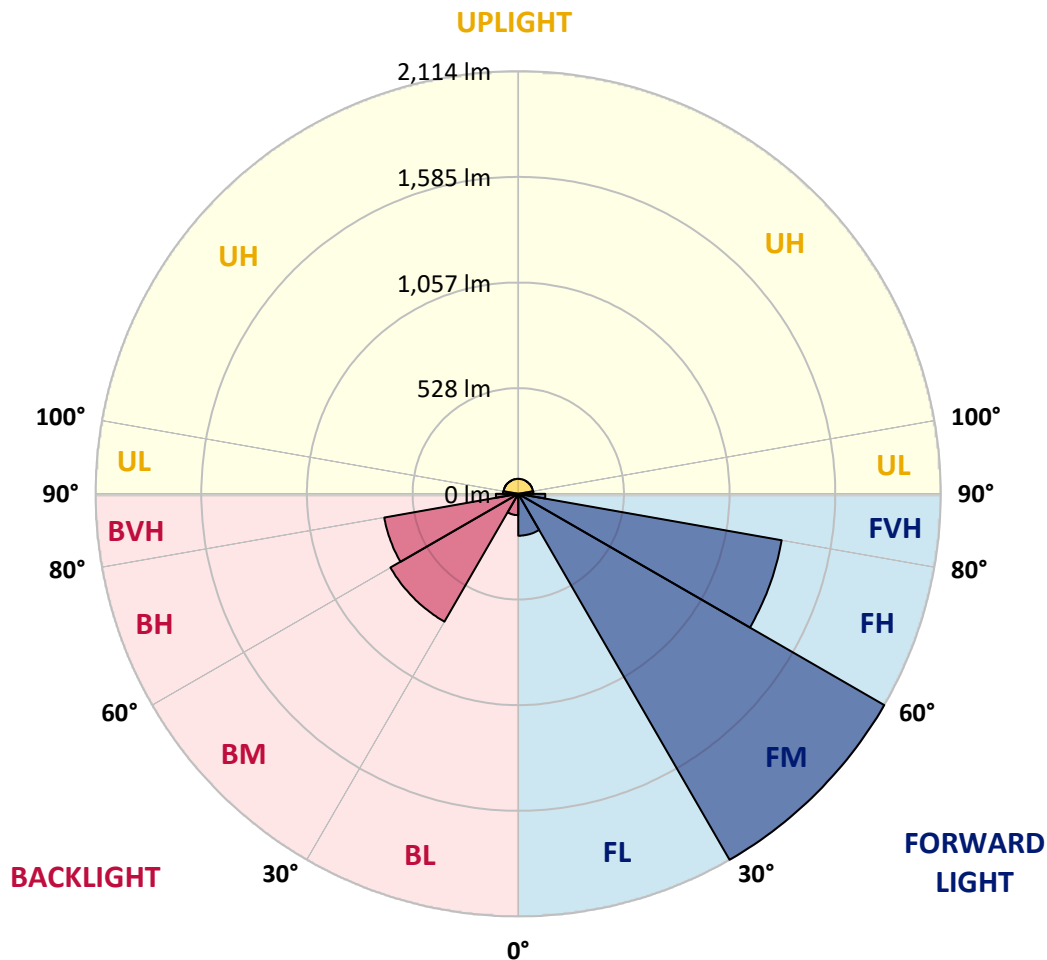


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.4	3.8			
FM (30°-60°)	2113.9	37.8			
FH (60°-80°)	1338.0	24.0			G1/1800
FVH (80°-90°)	135.4	2.4			G2/225
BL (0°-30°)	106.8	1.9	B0/110		
BM (30°-60°)	738.2	13.2	B1/1000		
BH (60°-80°)	680.4	12.2	B2/1000		G2/1000
BVH (80°-90°)	112.0	2.0			G2/225
UL (90°-100°)	76.0	1.4		U3/500	
UH (100°-180°)	74.8	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	123.3	125.2	123.3	125.2	123.3	121.3	121.3	117.4	117.4	115.4	113.5
5°	146.8	148.7	148.7	146.8	142.8	140.9	135.0	133.1	129.1	127.2	123.3
7.5°	180.0	178.1	180.0	174.2	172.2	168.3	160.5	154.6	148.7	146.8	140.9
10°	223.1	221.1	219.2	215.2	209.4	201.5	193.7	182.0	178.1	176.1	166.3
12.5°	273.9	277.9	272.0	266.1	256.3	246.6	232.9	219.2	213.3	211.3	195.7
15°	348.3	348.3	340.5	330.7	311.1	295.5	281.8	268.1	258.3	254.4	240.7
17.5°	442.2	436.4	426.6	403.1	385.5	360.0	344.4	322.9	313.1	311.1	293.5
20°	545.9	549.8	528.3	499.0	465.7	434.4	410.9	389.4	379.6	377.7	356.1
22.5°	682.9	682.9	653.6	614.4	559.6	516.6	489.2	467.7	454.0	446.1	432.4
25°	841.4	841.4	808.1	731.8	673.1	614.4	575.3	551.8	545.9	538.1	518.5
27.5°	1031.2	1037.1	974.5	898.1	790.5	720.1	673.1	659.4	647.7	651.6	612.5
30°	1250.4	1240.6	1174.0	1056.6	933.4	841.4	794.4	774.9	767.0	769.0	733.8
32.5°	1459.7	1444.1	1383.4	1248.4	1084.0	980.3	927.5	911.8	906.0	898.1	855.1
35°	1702.4	1688.7	1602.6	1438.2	1256.2	1121.2	1058.6	1058.6	1058.6	1048.8	986.2
37.5°	1937.2	1911.7	1817.8	1637.8	1426.5	1273.8	1221.0	1228.8	1217.1	1203.4	1133.0
40°	2125.0	2107.4	2017.4	1833.5	1600.6	1440.2	1389.3	1401.0	1406.9	1387.3	1289.5
42.5°	2258.1	2250.3	2177.9	2005.7	1757.2	1604.5	1585.0	1598.7	1594.7	1573.2	1465.6
45°	2322.7	2314.8	2267.9	2127.0	1909.8	1766.9	1768.9	1829.6	1819.8	1796.3	1641.7
47.5°	2287.4	2297.2	2279.6	2191.6	2005.7	1903.9	1958.7	2066.3	2052.6	2031.1	1841.3
50°	2181.8	2177.9	2205.3	2173.9	2042.8	1995.9	2144.6	2340.3	2344.2	2287.4	2070.2
52.5°	1960.7	1970.4	2048.7	2066.3	2011.5	2031.1	2301.1	2604.4	2612.3	2543.8	2289.4
55°	1698.5	1696.5	1798.3	1888.3	1892.2	1992.0	2391.1	2831.4	2870.5	2819.7	2524.2
57.5°	1350.2	1385.4	1491.0	1633.9	1704.3	1872.6	2422.5	3034.9	3117.1	3046.7	2735.5
60°	1044.9	1072.3	1199.5	1354.1	1467.6	1690.6	2344.2	3146.4	3320.6	3271.7	2962.5
62.5°	784.7	802.3	909.9	1072.3	1209.3	1459.7	2187.6	3162.1	3438.0	3412.6	3113.2
65°	577.2	587.0	690.7	831.6	966.6	1183.8	1905.9	3029.0	3420.4	3438.0	3216.9
67.5°	418.7	434.4	510.7	635.9	751.4	949.0	1598.7	2743.4	3265.8	3316.7	3179.7
70°	330.7	338.5	391.3	489.2	573.3	724.0	1289.5	2350.1	2909.7	3025.1	2993.8
72.5°	266.1	270.0	311.1	385.5	440.3	549.8	974.5	1900.0	2475.3	2608.3	2680.7
75°	219.2	223.1	256.3	307.2	350.3	410.9	714.2	1438.2	1945.0	2089.8	2246.3
77.5°	174.2	182.0	207.4	246.6	277.9	313.1	500.9	1039.0	1438.2	1551.7	1733.7
80°	138.9	142.8	166.3	197.6	221.1	246.6	367.9	688.8	972.5	1113.4	1250.4
82.5°	105.7	109.6	127.2	152.6	172.2	189.8	262.2	454.0	653.6	724.0	800.3
85°	76.3	76.3	93.9	115.4	133.1	150.7	191.8	295.5	399.2	440.3	493.1
87.5°	50.9	52.8	64.6	84.1	103.7	117.4	140.9	193.7	254.4	268.1	303.3
90°	35.2	37.2	45.0	60.7	78.3	92.0	105.7	133.1	160.5	174.2	199.6
92.5°	25.4	27.4	35.2	45.0	60.7	74.4	84.1	95.9	113.5	123.3	137.0
95°	19.6	21.5	27.4	37.2	48.9	60.7	68.5	74.4	86.1	92.0	101.8
97.5°	17.6	17.6	23.5	31.3	41.1	50.9	56.7	60.7	68.5	72.4	80.2
100°	15.7	15.7	19.6	27.4	35.2	43.0	47.0	48.9	54.8	56.7	62.6
102.5°	13.7	13.7	17.6	23.5	31.3	37.2	41.1	41.1	45.0	45.0	48.9
105°	11.7	11.7	15.7	21.5	27.4	33.3	35.2	35.2	35.2	37.2	37.2
107.5°	11.7	11.7	13.7	19.6	23.5	29.4	31.3	29.4	29.4	29.4	29.4
110°	9.8	9.8	13.7	17.6	21.5	25.4	25.4	25.4	23.5	23.5	23.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.8	9.8	11.7	15.7	19.6	21.5	23.5	21.5	19.6	19.6	19.6
115°	9.8	9.8	11.7	13.7	17.6	19.6	19.6	17.6	15.7	15.7	15.7
117.5°	7.8	9.8	9.8	13.7	15.7	17.6	17.6	15.7	13.7	13.7	13.7
120°	7.8	7.8	9.8	11.7	13.7	15.7	15.7	13.7	11.7	11.7	13.7
122.5°	7.8	7.8	9.8	11.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7
125°	7.8	7.8	7.8	9.8	11.7	13.7	11.7	11.7	9.8	9.8	11.7
127.5°	7.8	7.8	7.8	9.8	11.7	11.7	11.7	9.8	9.8	9.8	9.8
130°	7.8	7.8	7.8	7.8	9.8	9.8	9.8	9.8	7.8	7.8	9.8
132.5°	7.8	7.8	7.8	7.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.9	7.8	7.8
137.5°	7.8	7.8	5.9	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8
140°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	5.9	5.9
145°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9
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°	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5	111.5
2.5°	113.5	111.5	109.6	107.6	107.6	105.7	105.7	103.7	103.7	103.7	103.7
5°	121.3	119.4	115.4	111.5	107.6	105.7	101.8	99.8	99.8	97.8	97.8
7.5°	138.9	133.1	127.2	121.3	115.4	109.6	105.7	101.8	99.8	99.8	99.8
10°	160.5	156.5	144.8	137.0	129.1	121.3	115.4	109.6	105.7	105.7	103.7
12.5°	193.7	187.8	172.2	162.4	148.7	137.0	129.1	121.3	117.4	115.4	115.4
15°	232.9	225.0	211.3	191.8	174.2	158.5	146.8	140.9	137.0	135.0	135.0
17.5°	285.7	273.9	252.4	228.9	205.5	183.9	172.2	162.4	156.5	158.5	158.5
20°	348.3	334.6	305.3	273.9	240.7	217.2	197.6	187.8	183.9	183.9	183.9
22.5°	416.8	401.1	369.8	326.8	283.7	250.5	225.0	213.3	213.3	213.3	213.3
25°	506.8	479.4	440.3	383.5	326.8	279.8	252.4	242.6	242.6	244.6	246.6
27.5°	592.9	575.3	516.6	444.2	371.8	311.1	275.9	266.1	272.0	275.9	277.9
30°	702.5	671.2	600.7	506.8	412.9	336.6	297.4	289.6	299.4	305.3	307.2
32.5°	823.8	780.7	690.7	575.3	450.1	356.1	313.1	309.2	318.9	328.7	328.7
35°	947.1	896.2	782.7	641.8	479.4	367.9	322.9	322.9	334.6	344.4	344.4
37.5°	1082.1	1013.6	882.5	698.6	502.9	373.7	328.7	330.7	344.4	350.3	352.2
40°	1224.9	1146.7	976.4	751.4	514.6	371.8	330.7	336.6	346.3	352.2	352.2
42.5°	1373.6	1285.6	1078.2	790.5	516.6	367.9	328.7	336.6	346.3	348.3	348.3
45°	1541.9	1438.2	1176.0	819.9	508.8	360.0	326.8	336.6	342.4	340.5	340.5
47.5°	1727.8	1600.6	1269.9	843.4	493.1	350.3	324.8	336.6	338.5	334.6	332.6
50°	1937.2	1780.6	1379.5	853.1	475.5	340.5	322.9	334.6	334.6	326.8	326.8
52.5°	2154.4	1988.1	1491.0	855.1	454.0	330.7	322.9	334.6	332.6	320.9	320.9
55°	2354.0	2191.6	1610.4	853.1	430.5	318.9	318.9	334.6	330.7	318.9	318.9
57.5°	2610.3	2408.8	1710.2	837.5	405.0	311.1	317.0	334.6	328.7	317.0	317.0
60°	2802.1	2608.3	1788.5	816.0	381.6	299.4	313.1	332.6	326.8	317.0	317.0
62.5°	2976.2	2772.7	1827.6	778.8	354.2	289.6	307.2	328.7	326.8	318.9	317.0
65°	3064.3	2843.2	1811.9	722.0	328.7	277.9	301.3	324.8	322.9	317.0	317.0
67.5°	3042.7	2815.8	1723.9	649.6	303.3	266.1	291.6	313.1	315.0	313.1	313.1
70°	2884.2	2633.8	1557.6	559.6	279.8	250.5	279.8	301.3	303.3	303.3	305.3
72.5°	2575.1	2326.6	1342.3	475.5	254.4	234.8	262.2	283.7	287.6	289.6	287.6
75°	2164.2	1911.7	1074.3	393.3	230.9	217.2	242.6	262.2	268.1	268.1	268.1
77.5°	1665.2	1461.7	810.1	315.0	207.4	197.6	221.1	238.7	242.6	244.6	242.6
80°	1181.9	1031.2	571.4	254.4	183.9	178.1	195.7	209.4	213.3	217.2	215.2
82.5°	771.0	688.8	401.1	201.5	158.5	154.6	170.2	180.0	183.9	183.9	182.0
85°	467.7	428.5	264.2	160.5	135.0	131.1	142.8	148.7	150.7	150.7	150.7
87.5°	291.6	264.2	185.9	129.1	113.5	111.5	117.4	119.4	125.2	123.3	121.3
90°	187.8	176.1	137.0	101.8	92.0	92.0	95.9	95.9	99.8	99.8	95.9
92.5°	135.0	129.1	105.7	84.1	76.3	78.3	80.2	78.3	80.2	80.2	80.2
95°	103.7	99.8	88.1	72.4	64.6	66.5	64.6	64.6	66.5	66.5	64.6
97.5°	82.2	82.2	72.4	60.7	56.7	54.8	56.7	54.8	56.7	54.8	52.8
100°	64.6	64.6	60.7	52.8	48.9	47.0	48.9	47.0	48.9	47.0	45.0
102.5°	50.9	52.8	50.9	45.0	43.0	41.1	41.1	41.1	41.1	39.1	39.1
105°	39.1	41.1	43.0	39.1	37.2	35.2	35.2	35.2	35.2	33.3	31.3
107.5°	31.3	33.3	35.2	33.3	33.3	31.3	31.3	31.3	29.4	27.4	27.4
110°	25.4	27.4	29.4	29.4	27.4	27.4	27.4	27.4	25.4	23.5	23.5

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.5	21.5	23.5	25.4	25.4	25.4	25.4	23.5	21.5	21.5	21.5
115°	17.6	19.6	21.5	21.5	21.5	21.5	21.5	19.6	19.6	17.6	17.6
117.5°	15.7	15.7	17.6	19.6	19.6	19.6	19.6	17.6	15.7	15.7	17.6
120°	13.7	13.7	15.7	17.6	17.6	17.6	17.6	15.7	13.7	15.7	15.7
122.5°	13.7	13.7	13.7	15.7	15.7	15.7	15.7	13.7	13.7	13.7	13.7
125°	11.7	11.7	13.7	13.7	13.7	13.7	13.7	11.7	11.7	13.7	13.7
127.5°	11.7	11.7	11.7	11.7	13.7	13.7	11.7	11.7	11.7	11.7	11.7
130°	9.8	9.8	11.7	11.7	11.7	11.7	11.7	9.8	9.8	11.7	11.7
132.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
135°	7.8	7.8	9.8	9.8	9.8	9.8	9.8	7.8	9.8	9.8	9.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8
140°	5.9	5.9	5.9	7.8	7.8	7.8	7.8	5.9	7.8	7.8	7.8
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8
145°	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
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)