

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: P695586

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5565 lumens
Efficiency: N/A
Efficacy: 89.8 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

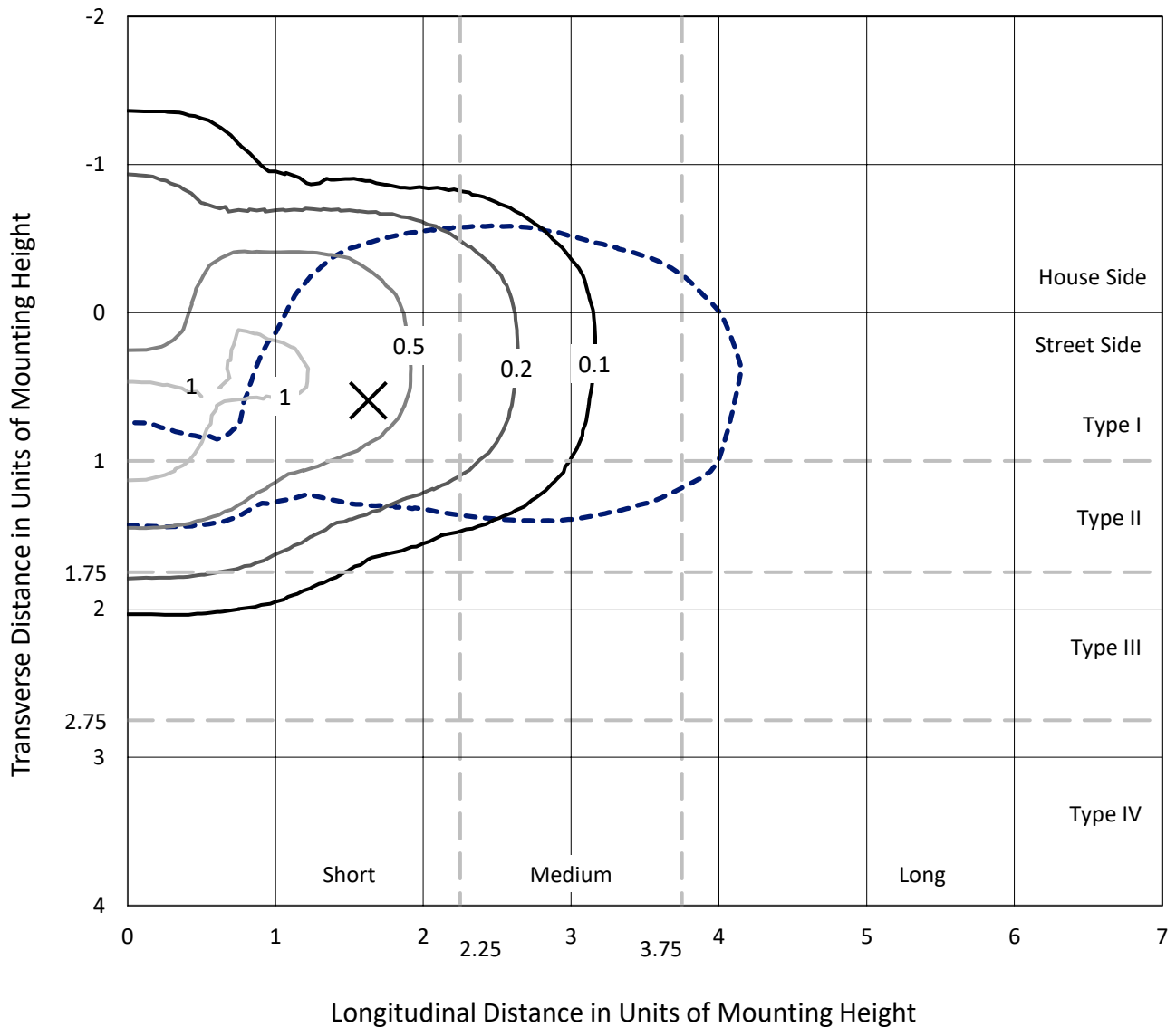
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

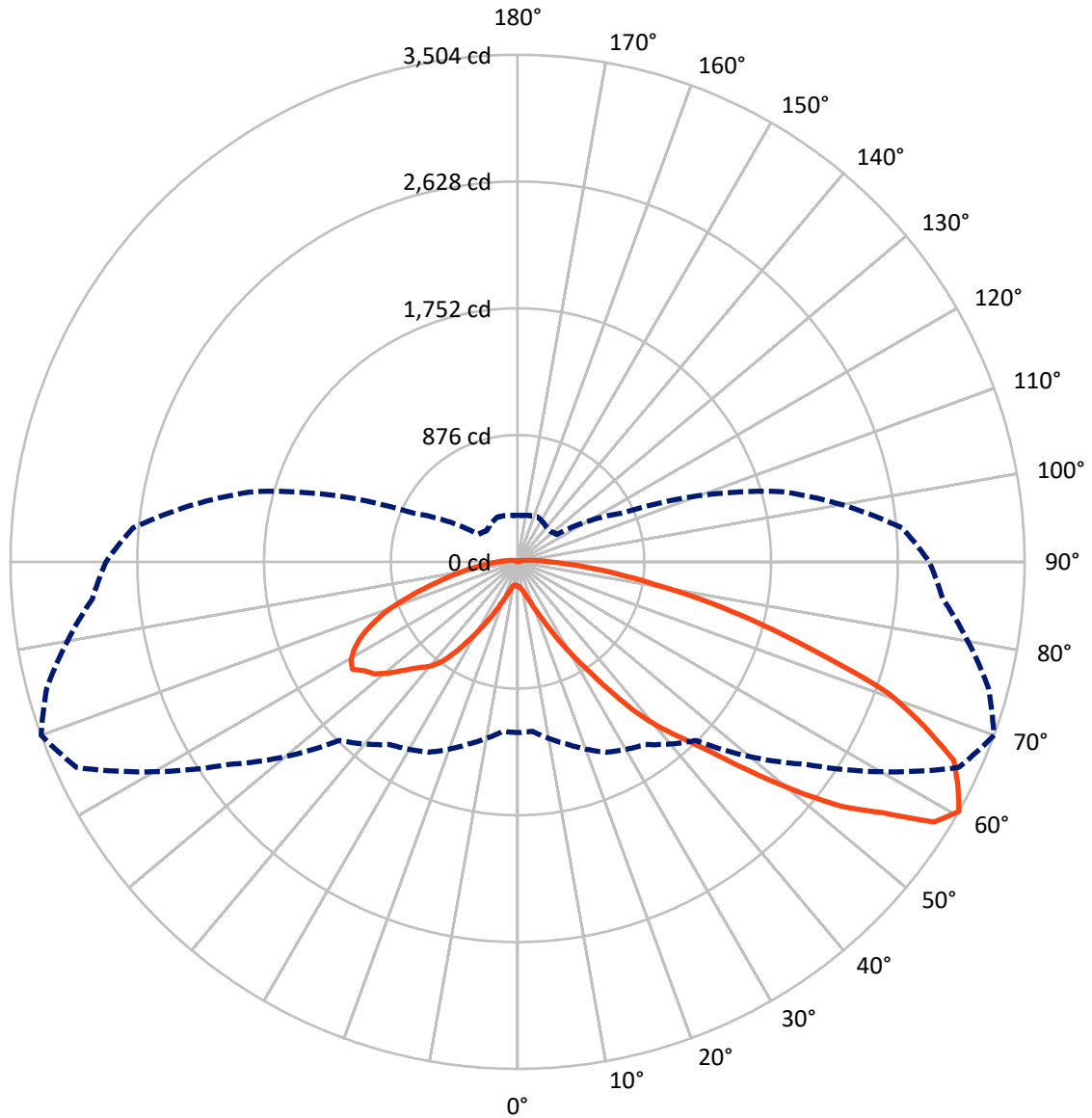
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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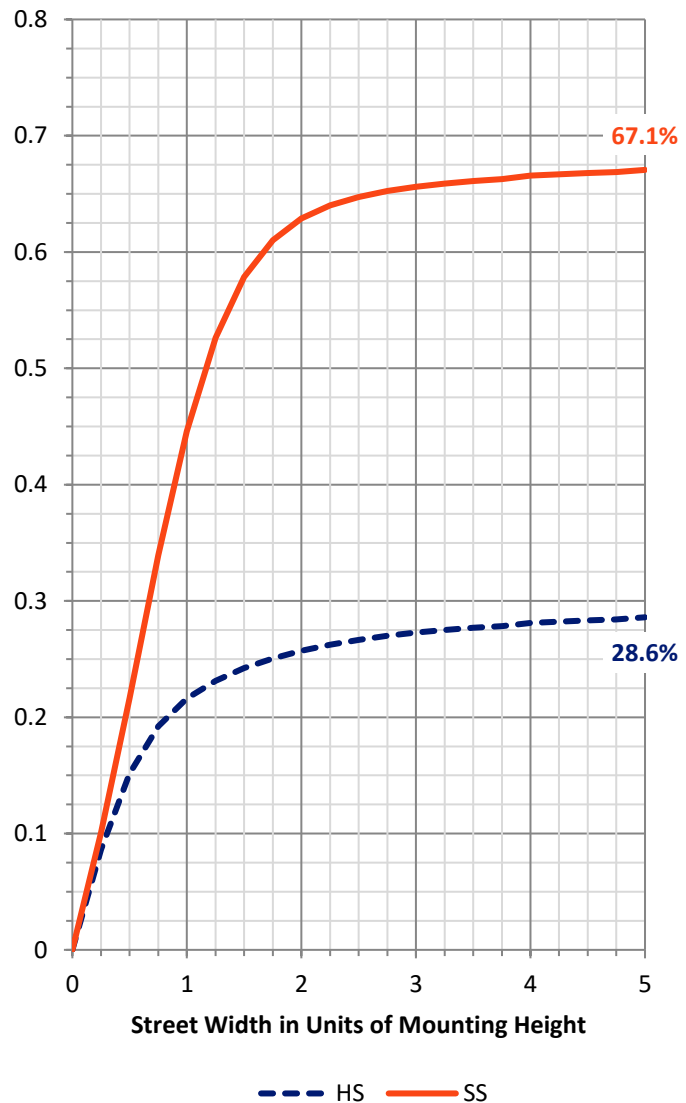
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1638.4	82.7	1721.1
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	3773.4	70.5	3843.9
	% Fixture	67.8	1.3	69.1
Total	Lumens	5411.8	153.2	5565.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.8	0.3
10°-20°	71.0	1.3
20°-30°	224.9	4.0
30°-40°	553.4	9.9
40°-50°	957.7	17.2
50°-60°	1348.0	24.2
60°-70°	1253.4	22.5
70°-80°	714.8	12.8
80°-90°	271.9	4.9
90°-100°	81.1	1.5
100°-110°	33.0	0.6
110°-120°	17.6	0.3
120°-130°	11.0	0.2
130°-140°	7.1	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5411.8	97.2
0°-180°	5565.0	100.0

Coefficient of Utilization

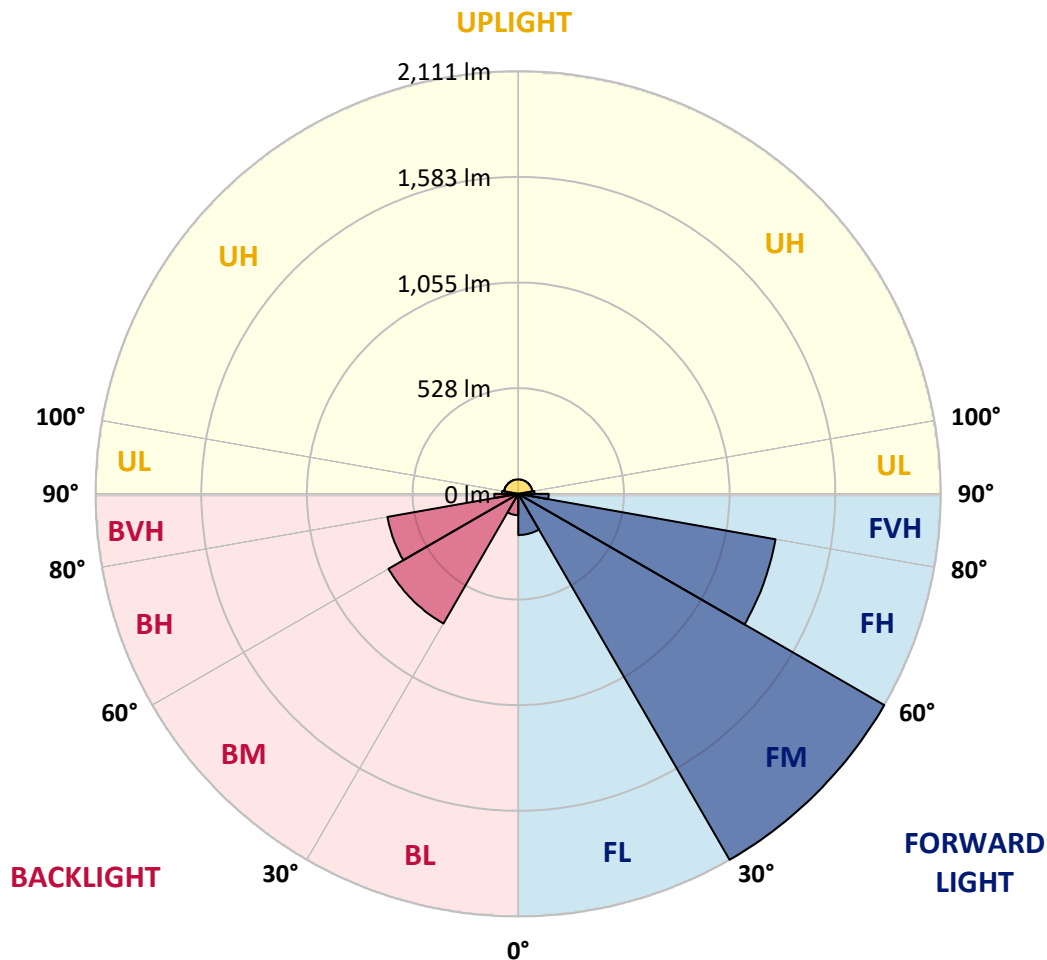


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.9	3.7			
FM (30°-60°)	2110.8	37.9			
FH (60°-80°)	1304.8	23.4			G1/1800
FVH (80°-90°)	151.9	2.7			G2/225
BL (0°-30°)	106.7	1.9	B0/110		
BM (30°-60°)	748.3	13.4	B1/1000		
BH (60°-80°)	663.3	11.9	B2/1000		G2/1000
BVH (80°-90°)	120.0	2.2			G2/225
UL (90°-100°)	81.1	1.5		U3/500	
UH (100°-180°)	72.1	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°	70°	75°	85°
0°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	180.0	178.1	178.1	178.1	178.1	176.1	174.1	172.2	172.2	170.2	168.3
5°	195.7	195.7	195.7	193.7	191.8	189.8	185.9	182.0	180.0	176.1	172.2
7.5°	221.1	217.2	217.2	215.2	209.4	205.4	199.6	191.8	189.8	185.9	180.0
10°	252.4	250.5	248.5	242.6	232.8	225.0	219.1	209.4	203.5	199.6	191.8
12.5°	301.3	301.3	295.5	283.7	270.0	256.3	244.6	232.8	227.0	221.1	213.3
15°	362.0	360.0	358.1	338.5	317.0	297.4	277.8	264.1	258.3	254.4	240.7
17.5°	442.2	444.2	432.4	401.1	369.8	348.3	324.8	307.2	299.4	293.5	281.8
20°	545.9	543.9	526.3	481.3	446.1	410.9	385.5	358.1	352.2	346.3	332.6
22.5°	680.9	677.0	641.8	587.0	534.2	485.2	452.0	432.4	420.7	412.9	401.1
25°	819.8	835.5	786.6	720.0	643.7	569.4	534.2	522.4	510.7	504.8	489.2
27.5°	1039.0	1040.9	970.5	862.9	761.1	684.8	639.8	620.3	620.3	612.4	592.9
30°	1271.8	1269.9	1183.8	1046.8	907.9	802.2	755.3	743.5	747.4	737.7	710.3
32.5°	1477.3	1473.4	1377.5	1242.5	1058.5	929.4	884.4	888.3	892.2	900.1	878.5
35°	1700.3	1698.4	1584.9	1418.6	1219.0	1074.2	1042.9	1080.1	1082.0	1093.8	1044.8
37.5°	1780.5	1792.3	1721.8	1573.1	1361.8	1222.9	1224.9	1265.9	1301.2	1305.1	1236.6
40°	1841.2	1847.1	1782.5	1663.1	1491.0	1377.5	1426.4	1492.9	1494.9	1461.6	1350.1
42.5°	1980.1	1986.0	1896.0	1745.3	1584.9	1534.0	1604.4	1674.9	1661.2	1631.8	1492.9
45°	2070.1	2078.0	2019.3	1874.5	1678.8	1649.5	1778.6	1872.5	1870.6	1851.0	1659.2
47.5°	2162.1	2173.8	2113.2	1976.2	1786.4	1757.1	1970.3	2164.0	2162.1	2107.3	1880.3
50°	2134.7	2144.5	2148.4	2058.4	1862.7	1868.6	2171.9	2469.3	2484.9	2414.5	2150.4
52.5°	1968.4	1984.0	2040.8	2052.5	1917.5	1944.9	2367.5	2792.1	2811.7	2694.3	2359.7
55°	1753.2	1772.7	1847.1	1929.3	1884.2	1964.5	2529.9	3048.5	3060.2	2964.3	2627.8
57.5°	1465.5	1506.6	1602.5	1719.9	1747.3	1917.5	2531.9	3259.8	3392.8	3318.5	2919.3
60°	1179.9	1175.9	1303.1	1451.8	1541.8	1745.3	2441.9	3363.5	3504.3	3369.3	2950.6
62.5°	847.2	860.9	997.9	1170.1	1281.6	1477.3	2232.5	3160.0	3416.3	3412.4	3115.0
65°	604.6	618.3	718.1	882.4	1011.6	1224.9	1894.0	2960.4	3312.6	3343.9	3099.3
67.5°	430.5	436.3	512.6	641.8	755.3	935.3	1551.6	2676.7	3028.9	3122.8	3009.3
70°	322.8	328.7	375.7	471.6	551.8	682.9	1238.6	2269.7	2719.7	2856.7	2778.4
72.5°	248.5	256.3	287.6	360.0	407.0	487.2	925.5	1851.0	2199.3	2334.3	2301.0
75°	195.7	199.6	223.1	272.0	301.3	342.4	655.5	1424.4	1751.2	1944.9	1944.9
77.5°	156.5	162.4	178.1	213.3	238.7	254.4	450.0	1023.3	1357.9	1553.6	1598.6
80°	125.2	129.1	142.8	168.3	185.9	195.7	303.3	710.3	974.4	1207.2	1338.3
82.5°	99.8	99.8	113.5	133.1	150.7	162.4	223.1	502.9	696.6	872.7	1017.5
85°	80.2	82.2	90.0	103.7	121.3	137.0	172.2	344.4	475.5	585.0	704.4
87.5°	62.6	62.6	70.4	80.2	97.8	115.4	140.9	232.8	313.1	403.1	473.5
90°	45.0	47.0	50.9	58.7	76.3	93.9	111.5	162.4	207.4	252.4	299.4
92.5°	33.3	33.3	35.2	41.1	54.8	74.4	90.0	117.4	142.8	164.4	185.9
95°	25.4	25.4	27.4	29.3	39.1	56.7	68.5	86.1	99.8	115.4	125.2
97.5°	21.5	21.5	21.5	23.5	31.3	43.0	52.8	64.6	74.4	84.1	93.9
100°	19.6	19.6	19.6	19.6	25.4	37.2	41.1	50.9	56.7	64.6	70.4
102.5°	17.6	17.6	17.6	17.6	23.5	31.3	35.2	39.1	45.0	48.9	54.8
105°	15.7	15.7	15.7	15.7	19.6	25.4	29.3	33.3	35.2	37.2	41.1
107.5°	13.7	13.7	13.7	13.7	17.6	23.5	25.4	25.4	27.4	29.3	33.3
110°	11.7	11.7	11.7	13.7	15.7	19.6	21.5	21.5	21.5	23.5	27.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	11.7	11.7	13.7	17.6	17.6	17.6	19.6	19.6	23.5
115°	9.8	9.8	9.8	11.7	13.7	15.7	15.7	15.7	15.7	17.6	19.6
117.5°	9.8	9.8	9.8	9.8	13.7	15.7	15.7	13.7	13.7	15.7	17.6
120°	9.8	9.8	9.8	9.8	11.7	13.7	13.7	13.7	13.7	13.7	15.7
122.5°	9.8	9.8	9.8	9.8	11.7	11.7	11.7	11.7	11.7	11.7	13.7
125°	9.8	9.8	9.8	9.8	11.7	11.7	11.7	9.8	9.8	11.7	13.7
127.5°	11.7	11.7	9.8	9.8	9.8	11.7	9.8	9.8	9.8	9.8	11.7
130°	11.7	11.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.7
132.5°	11.7	11.7	9.8	9.8	9.8	9.8	9.8	7.8	7.8	9.8	11.7
135°	9.8	11.7	9.8	9.8	9.8	7.8	7.8	7.8	7.8	7.8	9.8
137.5°	9.8	9.8	9.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8
140°	9.8	9.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8
142.5°	7.8	7.8	7.8	5.9	5.9	5.9	3.9	3.9	3.9	3.9	5.9
145°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	5.9	5.9	5.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0
150°	5.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	168.3	166.3	164.4	164.4	162.4	160.4	158.5	158.5	158.5	158.5	158.5
5°	170.2	168.3	164.4	160.4	156.5	152.6	150.7	146.7	146.7	146.7	144.8
7.5°	176.1	172.2	166.3	158.5	152.6	146.7	140.9	138.9	137.0	135.0	135.0
10°	185.9	182.0	172.2	162.4	152.6	144.8	137.0	131.1	127.2	127.2	127.2
12.5°	205.4	199.6	185.9	170.2	156.5	144.8	135.0	129.1	127.2	127.2	129.1
15°	236.8	228.9	209.4	189.8	168.3	150.7	142.8	142.8	144.8	146.7	146.7
17.5°	273.9	264.1	242.6	215.2	189.8	172.2	164.4	166.3	170.2	172.2	172.2
20°	326.8	309.1	287.6	250.5	217.2	201.5	191.8	189.8	199.6	203.5	203.5
22.5°	387.4	377.6	342.4	295.5	256.3	232.8	219.1	215.2	225.0	228.9	228.9
25°	477.4	457.9	416.8	354.2	303.3	264.1	244.6	240.7	254.4	262.2	262.2
27.5°	581.1	551.8	500.9	420.7	350.2	293.5	268.1	268.1	281.8	293.5	295.5
30°	688.7	655.5	594.8	495.0	397.2	317.0	285.7	287.6	301.3	318.9	315.0
32.5°	845.3	798.3	708.3	579.2	440.2	336.5	295.5	303.3	324.8	348.3	344.4
35°	997.9	949.0	841.4	673.1	477.4	346.3	301.3	318.9	342.4	360.0	360.0
37.5°	1160.3	1099.6	962.7	755.3	516.6	352.2	305.2	322.8	346.3	358.1	358.1
40°	1267.9	1207.2	1050.7	814.0	532.2	350.2	303.3	320.9	336.5	340.5	336.5
42.5°	1402.9	1312.9	1119.2	841.4	524.4	340.5	297.4	311.1	317.0	315.0	315.0
45°	1563.4	1463.6	1217.0	851.1	500.9	324.8	289.6	299.4	307.2	309.1	309.1
47.5°	1778.6	1663.1	1344.2	866.8	471.6	309.1	285.7	301.3	309.1	303.3	303.3
50°	2027.1	1892.1	1491.0	880.5	442.2	297.4	287.6	307.2	309.1	303.3	301.3
52.5°	2224.7	2078.0	1618.1	896.1	412.9	291.5	295.5	315.0	313.1	303.3	301.3
55°	2486.9	2336.2	1731.6	860.9	385.5	293.5	303.3	322.8	317.0	301.3	301.3
57.5°	2796.0	2614.1	1882.3	841.4	354.2	299.4	313.1	330.7	320.9	307.2	305.2
60°	2845.0	2668.9	1878.4	792.4	330.7	303.3	320.9	338.5	330.7	320.9	320.9
62.5°	3011.3	2821.5	1847.1	706.3	313.1	303.3	326.8	348.3	350.2	344.4	342.4
65°	2989.8	2782.3	1766.8	620.3	297.4	299.4	330.7	360.0	362.0	363.9	363.9
67.5°	2911.5	2694.3	1627.9	543.9	279.8	293.5	330.7	358.1	367.8	375.7	375.7
70°	2672.8	2475.2	1451.8	467.6	262.2	277.8	315.0	346.3	356.1	365.9	367.8
72.5°	2236.4	2052.5	1191.6	397.2	238.7	254.4	287.6	317.0	328.7	336.5	334.6
75°	1864.7	1716.0	968.5	315.0	213.3	225.0	252.4	277.8	285.7	291.5	291.5
77.5°	1539.9	1406.8	763.1	258.3	185.9	195.7	217.2	236.8	244.6	246.5	242.6
80°	1285.5	1129.0	598.7	209.4	158.5	164.4	185.9	201.5	209.4	205.4	207.4
82.5°	994.0	864.8	453.9	176.1	138.9	140.9	156.5	170.2	176.1	172.2	170.2
85°	675.0	587.0	326.8	152.6	121.3	119.4	129.1	140.9	144.8	142.8	140.9
87.5°	446.1	387.4	236.8	131.1	105.7	103.7	109.6	119.4	123.3	121.3	117.4
90°	281.8	256.3	170.2	111.5	92.0	88.0	92.0	97.8	103.7	101.7	99.8
92.5°	180.0	162.4	125.2	92.0	78.3	74.4	74.4	78.3	82.2	78.3	74.4
95°	121.3	117.4	95.9	74.4	64.6	60.7	58.7	58.7	62.6	58.7	56.7
97.5°	93.9	90.0	78.3	58.7	50.9	48.9	47.0	47.0	50.9	47.0	45.0
100°	72.4	72.4	62.6	48.9	39.1	39.1	39.1	41.1	43.0	41.1	41.1
102.5°	56.7	56.7	52.8	41.1	33.3	33.3	33.3	35.2	39.1	37.2	37.2
105°	43.0	45.0	43.0	33.3	29.3	29.3	29.3	31.3	33.3	33.3	33.3
107.5°	35.2	37.2	35.2	29.3	25.4	25.4	25.4	27.4	29.3	31.3	31.3
110°	29.3	31.3	29.3	25.4	23.5	23.5	23.5	23.5	27.4	27.4	29.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	25.4	25.4	21.5	21.5	21.5	19.6	21.5	23.5	25.4	25.4
115°	21.5	21.5	21.5	19.6	19.6	19.6	17.6	17.6	21.5	23.5	23.5
117.5°	19.6	19.6	19.6	17.6	17.6	17.6	15.7	15.7	17.6	21.5	21.5
120°	17.6	17.6	17.6	15.7	15.7	15.7	13.7	13.7	15.7	19.6	19.6
122.5°	15.7	15.7	15.7	13.7	13.7	13.7	13.7	13.7	15.7	17.6	17.6
125°	13.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	13.7	15.7	15.7
127.5°	13.7	13.7	13.7	11.7	11.7	11.7	11.7	11.7	11.7	13.7	15.7
130°	11.7	11.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7	13.7	13.7
132.5°	11.7	11.7	11.7	9.8	9.8	9.8	9.8	9.8	11.7	11.7	13.7
135°	9.8	11.7	9.8	9.8	9.8	7.8	7.8	7.8	9.8	11.7	11.7
137.5°	9.8	9.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
140°	7.8	7.8	7.8	5.9	5.9	5.9	5.9	5.9	7.8	9.8	9.8
142.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
145°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9	7.8	7.8
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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)