

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: P695596

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5444 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

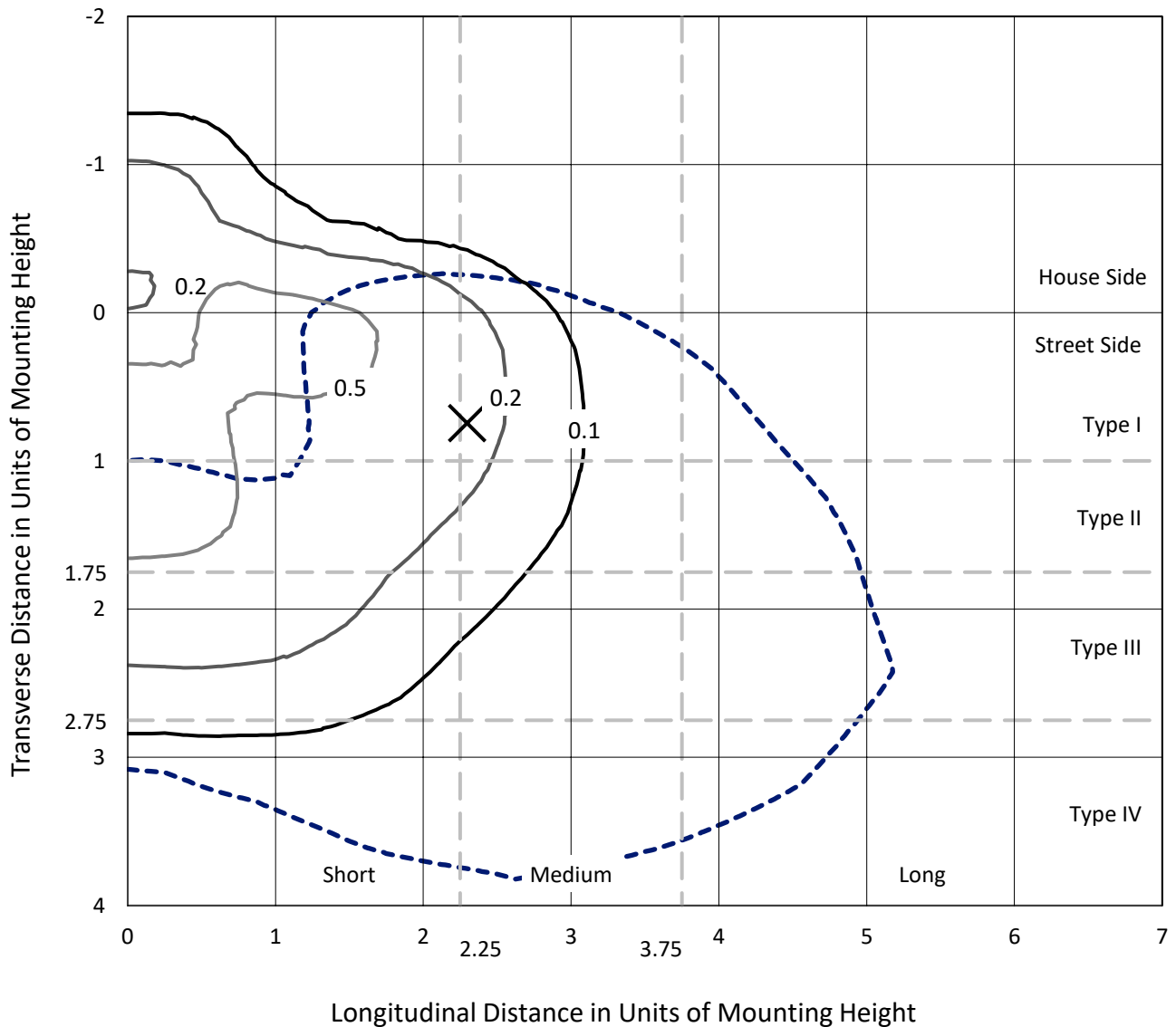
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

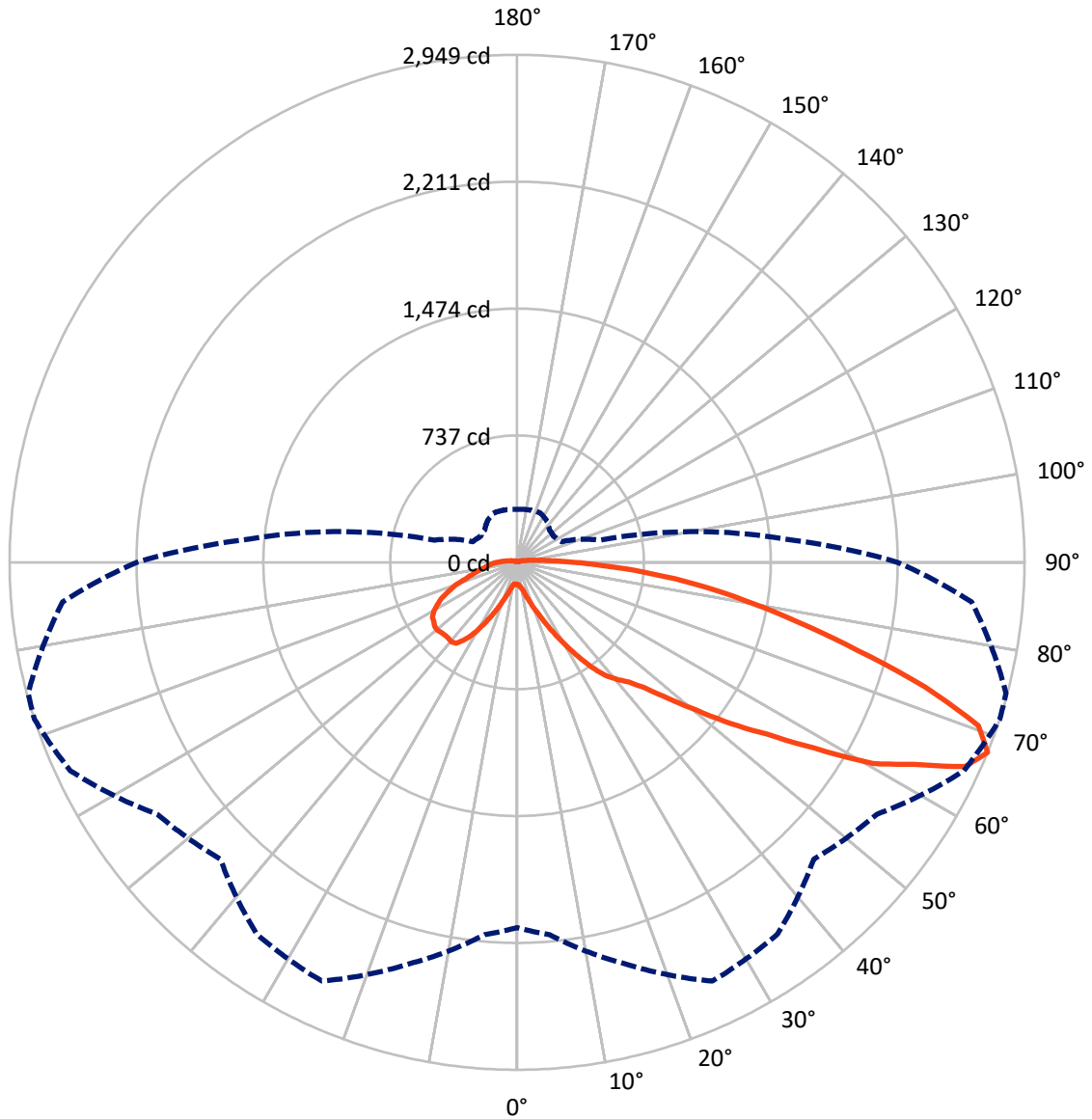
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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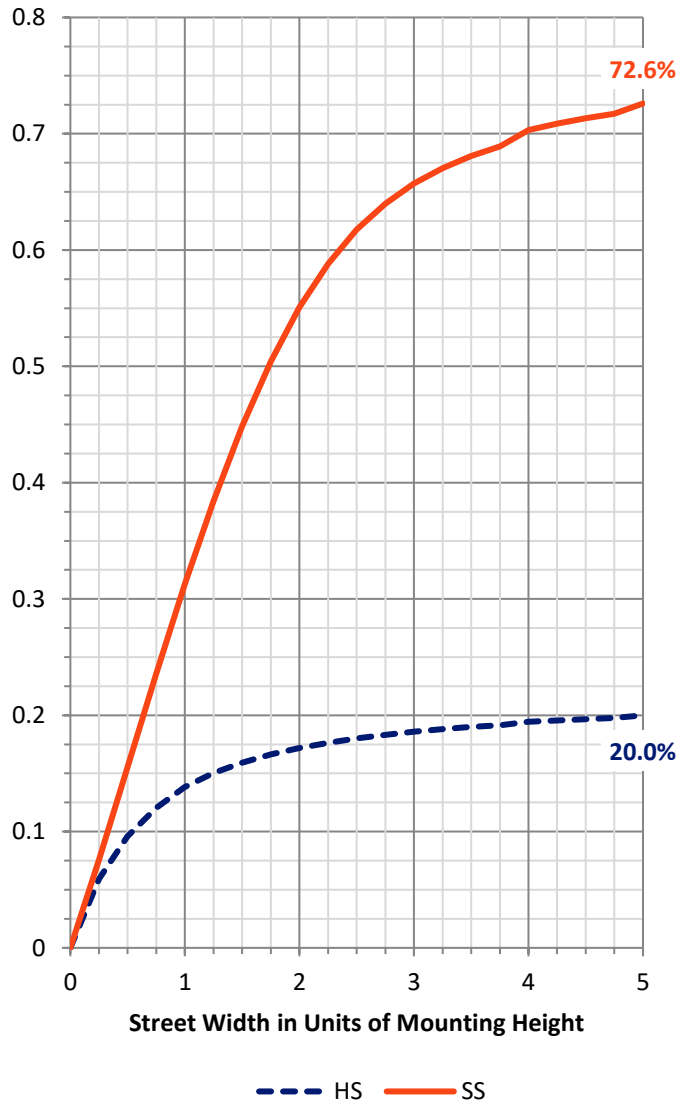
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.9	98.8	1247.7
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	4091.1	105.2	4196.3
	% Fixture	75.1	1.9	77.1
Total	Lumens	5240.1	203.9	5444.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.2
10°-20°	56.4	1.0
20°-30°	170.9	3.1
30°-40°	384.6	7.1
40°-50°	617.4	11.3
50°-60°	1000.8	18.4
60°-70°	1459.7	26.8
70°-80°	1094.3	20.1
80°-90°	443.0	8.1
90°-100°	123.0	2.3
100°-110°	40.3	0.7
110°-120°	18.6	0.3
120°-130°	11.2	0.2
130°-140°	7.2	0.1
140°-150°	3.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5240.1	96.3
0°-180°	5444.0	100.0

Coefficient of Utilization

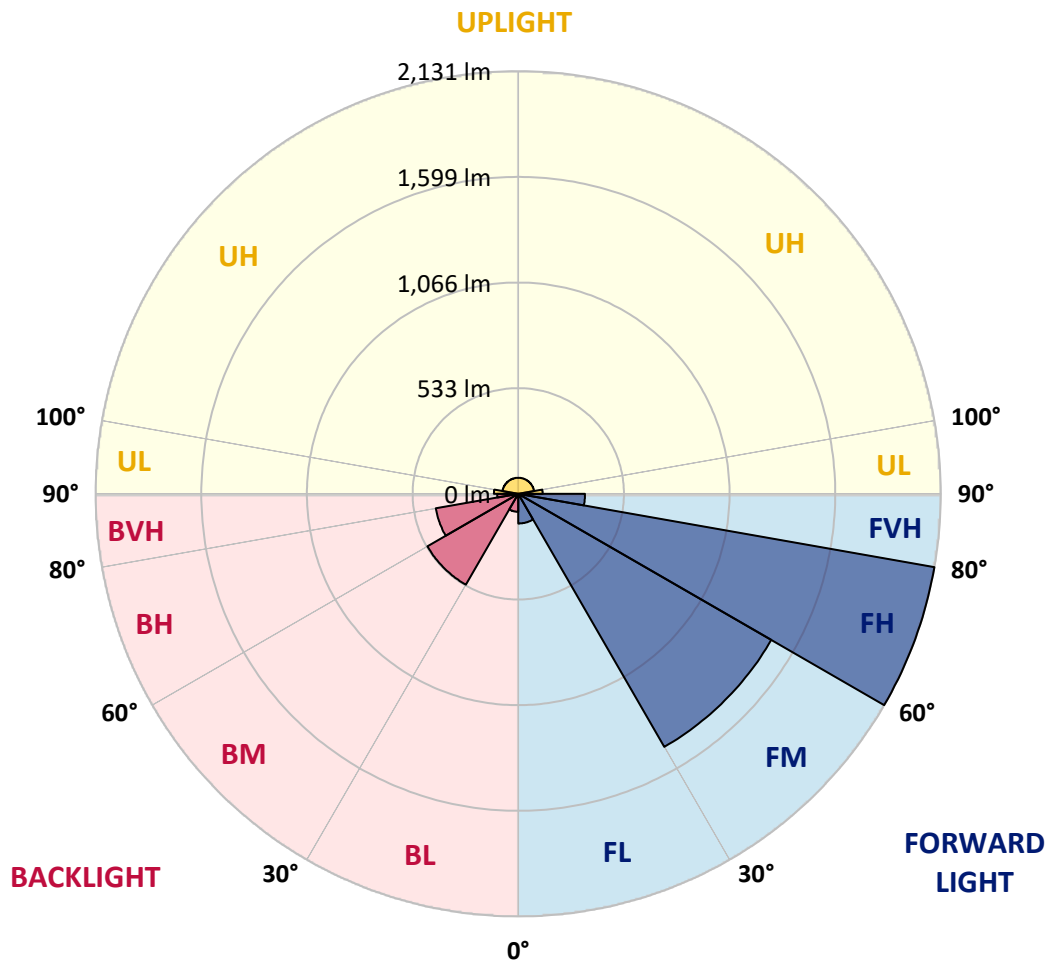


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	149.7	2.7			
FM (30°-60°)	1473.7	27.1			
FH (60°-80°)	2131.4	39.2			G2/5000
FVH (80°-90°)	336.3	6.2			G3/500
BL (0°-30°)	90.6	1.7	B0/110		
BM (30°-60°)	529.2	9.7	B1/1000		
BH (60°-80°)	422.5	7.8	B1/500		G1/500
BVH (80°-90°)	106.6	2.0			G2/225
UL (90°-100°)	123.0	2.3		U3/500	
UH (100°-180°)	81.0	1.5		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°	75°	85°
0°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	135.0	135.0	135.0	135.0	135.0	135.0	135.0	133.0	131.1	131.1	129.1
5°	146.7	146.7	146.7	146.7	146.7	144.8	140.9	138.9	137.0	135.0	133.0
7.5°	164.4	162.4	162.4	160.4	158.5	156.5	152.6	148.7	144.8	142.8	138.9
10°	185.9	185.9	183.9	180.0	178.1	170.2	166.3	160.4	156.5	154.6	148.7
12.5°	225.0	221.1	219.1	213.3	203.5	193.7	185.9	180.0	176.1	176.1	168.3
15°	270.0	268.1	264.1	248.5	236.7	223.1	213.3	209.4	207.4	203.5	197.6
17.5°	324.8	324.8	317.0	295.4	275.9	262.2	250.4	244.6	242.6	242.6	236.7
20°	395.2	395.2	379.6	348.3	324.8	307.2	293.5	285.7	285.7	283.7	279.8
22.5°	477.4	481.3	457.8	416.8	377.6	352.2	336.5	334.6	334.6	342.4	338.5
25°	573.3	573.3	543.9	491.1	446.1	401.1	389.4	397.2	403.1	410.9	412.8
27.5°	696.6	692.6	643.7	577.2	506.8	457.8	444.1	459.8	477.4	483.3	495.0
30°	837.4	831.6	770.9	677.0	581.1	508.7	502.8	532.2	563.5	569.4	585.0
32.5°	956.8	960.7	892.2	788.5	657.4	571.3	565.5	612.4	651.6	665.2	694.6
35°	1101.6	1103.5	1021.3	890.3	731.8	630.0	628.1	692.6	749.4	767.0	798.3
37.5°	1162.2	1174.0	1111.4	978.3	806.1	692.6	688.7	768.9	833.5	853.1	888.3
40°	1224.8	1232.7	1168.1	1042.9	866.8	747.4	749.4	835.5	894.2	917.6	937.2
42.5°	1354.0	1357.9	1269.8	1111.4	917.6	804.2	806.1	884.4	950.9	980.3	1015.5
45°	1469.4	1487.0	1400.9	1219.0	986.1	853.1	857.0	964.6	1039.0	1080.0	1123.1
47.5°	1633.8	1633.8	1563.3	1361.8	1087.9	919.6	941.1	1078.1	1179.8	1215.1	1277.7
50°	1780.5	1782.5	1729.6	1516.4	1201.4	1011.6	1050.7	1220.9	1350.1	1391.1	1475.3
52.5°	1901.8	1903.8	1866.6	1694.4	1355.9	1132.9	1177.9	1410.7	1555.5	1606.4	1680.7
55°	2052.5	2042.7	2019.2	1872.5	1532.0	1289.4	1355.9	1612.2	1762.9	1831.4	1921.4
57.5°	2212.9	2201.2	2211.0	2066.2	1733.6	1483.1	1551.6	1827.5	2036.8	2124.9	2228.6
60°	2301.0	2304.9	2379.2	2320.5	1978.1	1723.8	1800.1	2156.2	2373.4	2441.8	2465.3
62.5°	2344.0	2347.9	2475.1	2514.2	2267.7	1976.2	2083.8	2428.1	2584.7	2670.8	2653.2
65°	2332.3	2347.9	2551.4	2659.0	2510.3	2248.1	2363.6	2684.5	2860.6	2905.6	2768.6
67.5°	2122.9	2171.8	2414.5	2684.5	2637.5	2437.9	2551.4	2864.5	2948.6	2940.8	2651.2
70°	1798.1	1811.8	2103.4	2494.7	2600.3	2430.1	2569.0	2827.3	2842.9	2801.9	2391.0
72.5°	1383.3	1416.6	1680.7	2105.3	2342.1	2256.0	2373.4	2576.9	2481.0	2377.3	1929.2
75°	1015.5	1001.8	1222.9	1635.7	1939.0	1950.7	2066.2	2185.5	2042.7	1958.6	1575.1
77.5°	688.7	722.0	880.5	1211.1	1524.2	1629.9	1745.3	1760.9	1667.0	1598.5	1205.3
80°	471.5	477.4	596.8	884.4	1189.6	1338.3	1440.1	1475.3	1340.3	1262.0	909.8
82.5°	270.0	275.9	377.6	635.9	933.3	1105.5	1209.2	1199.4	1044.8	966.6	632.0
85°	150.7	152.6	219.1	393.3	702.4	884.4	974.4	896.1	741.6	669.2	414.8
87.5°	90.0	93.9	131.1	252.4	477.4	684.8	729.8	624.2	479.4	426.5	273.9
90°	56.7	60.7	80.2	148.7	307.2	481.3	495.0	393.3	297.4	268.1	185.9
92.5°	37.2	39.1	52.8	92.0	189.8	303.3	317.0	236.7	183.9	164.4	127.2
95°	29.3	29.3	37.2	62.6	117.4	178.1	191.7	142.8	119.4	107.6	88.0
97.5°	23.5	23.5	29.3	45.0	80.2	111.5	115.4	93.9	80.2	78.3	66.5
100°	19.6	21.5	25.4	35.2	56.7	74.4	74.4	64.6	58.7	58.7	52.8
102.5°	17.6	17.6	21.5	29.3	45.0	56.7	54.8	48.9	45.0	45.0	43.0
105°	17.6	15.7	19.6	23.5	35.2	43.0	41.1	37.2	35.2	33.3	33.3
107.5°	15.7	13.7	15.7	19.6	29.3	35.2	33.3	29.3	27.4	25.4	27.4
110°	13.7	13.7	13.7	17.6	23.5	29.3	27.4	23.5	21.5	21.5	21.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.7	11.7	11.7	15.7	19.6	23.5	23.5	19.6	17.6	15.7	17.6
115°	11.7	11.7	11.7	13.7	17.6	21.5	19.6	15.7	13.7	13.7	15.7
117.5°	9.8	9.8	9.8	13.7	15.7	17.6	17.6	13.7	11.7	11.7	13.7
120°	9.8	9.8	9.8	11.7	15.7	15.7	15.7	11.7	11.7	11.7	13.7
122.5°	9.8	9.8	9.8	11.7	13.7	15.7	13.7	11.7	9.8	9.8	11.7
125°	9.8	9.8	9.8	11.7	13.7	13.7	11.7	9.8	9.8	9.8	11.7
127.5°	9.8	9.8	9.8	11.7	11.7	11.7	11.7	9.8	9.8	9.8	11.7
130°	9.8	9.8	9.8	9.8	11.7	11.7	9.8	9.8	9.8	9.8	9.8
132.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	7.8	9.8	9.8	9.8
135°	9.8	9.8	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.8
140°	7.8	7.8	7.8	7.8	7.8	7.8	5.9	5.9	5.9	5.9	7.8
142.5°	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
145°	5.9	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9
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	3.9	3.9	3.9	3.9	3.9	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°	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1	129.1
2.5°	129.1	129.1	127.2	125.2	125.2	125.2	125.2	125.2	123.3	123.3	123.3
5°	131.1	129.1	127.2	125.2	123.3	121.3	119.4	119.4	117.4	117.4	117.4
7.5°	137.0	135.0	129.1	125.2	121.3	119.4	117.4	115.4	113.5	111.5	111.5
10°	146.7	142.8	135.0	129.1	123.3	119.4	115.4	113.5	111.5	111.5	109.6
12.5°	164.4	160.4	148.7	138.9	129.1	123.3	117.4	115.4	115.4	115.4	117.4
15°	193.7	187.8	172.2	158.5	142.8	131.1	127.2	129.1	131.1	133.0	133.0
17.5°	230.9	223.1	205.4	182.0	160.4	146.7	144.8	146.7	150.7	154.6	154.6
20°	273.9	264.1	236.7	209.4	182.0	170.2	164.4	168.3	174.1	182.0	180.0
22.5°	334.6	318.9	285.7	240.7	209.4	193.7	185.9	191.7	203.5	211.3	211.3
25°	403.1	383.5	340.4	279.8	236.7	213.3	209.4	219.1	240.7	252.4	252.4
27.5°	481.3	457.8	399.1	320.9	266.1	234.8	230.9	252.4	279.8	301.3	299.4
30°	573.3	545.9	469.6	363.9	293.5	252.4	256.3	285.7	322.8	348.3	348.3
32.5°	678.9	635.9	538.1	410.9	315.0	268.1	275.9	315.0	360.0	385.5	389.4
35°	778.7	727.9	594.8	446.1	332.6	281.8	291.5	342.4	395.2	426.5	426.5
37.5°	864.8	810.0	639.8	469.6	340.4	289.6	305.2	363.9	414.8	446.1	446.1
40°	905.9	841.3	653.5	473.5	342.4	293.5	313.1	373.7	422.6	448.1	446.1
42.5°	980.3	894.2	655.5	452.0	336.5	295.4	317.0	369.8	407.0	418.7	416.8
45°	1080.0	968.5	665.2	432.4	322.8	291.5	313.1	356.1	377.6	379.6	375.7
47.5°	1209.2	1076.1	678.9	414.8	311.1	285.7	303.3	336.5	348.3	342.4	340.4
50°	1387.2	1199.4	698.5	395.2	303.3	275.9	293.5	322.8	330.7	318.9	317.0
52.5°	1561.4	1322.7	706.3	375.7	295.4	270.0	287.6	317.0	318.9	299.4	297.4
55°	1772.7	1455.7	696.6	354.1	291.5	268.1	287.6	313.1	305.2	285.7	281.8
57.5°	2036.8	1625.9	694.6	334.6	283.7	268.1	289.6	309.1	303.3	289.6	287.6
60°	2201.2	1698.3	663.3	322.8	277.8	272.0	293.5	315.0	307.2	291.5	289.6
62.5°	2318.6	1729.6	616.3	309.1	273.9	272.0	299.4	317.0	305.2	293.5	291.5
65°	2351.8	1698.3	567.4	295.4	268.1	272.0	301.3	315.0	309.1	301.3	301.3
67.5°	2211.0	1557.5	497.0	283.7	260.2	266.1	297.4	317.0	313.1	309.1	307.2
70°	1954.7	1357.9	432.4	268.1	246.5	256.3	291.5	317.0	317.0	315.0	315.0
72.5°	1559.4	1048.7	348.3	250.4	230.9	244.6	283.7	311.1	309.1	307.2	305.2
75°	1250.3	827.6	295.4	227.0	215.2	228.9	272.0	299.4	295.4	295.4	293.5
77.5°	941.1	626.1	250.4	205.4	195.7	215.2	254.4	279.8	277.8	275.9	272.0
80°	680.9	463.7	213.3	185.9	180.0	197.6	232.8	254.4	254.4	254.4	252.4
82.5°	493.1	342.4	185.9	168.3	164.4	180.0	209.4	227.0	234.8	240.7	236.7
85°	324.8	240.7	164.4	152.6	152.6	166.3	189.8	205.4	217.2	223.1	221.1
87.5°	221.1	183.9	144.8	135.0	138.9	152.6	174.1	185.9	195.7	201.5	199.6
90°	156.5	142.8	123.3	115.4	119.4	137.0	156.5	166.3	170.2	172.2	170.2
92.5°	111.5	105.7	97.8	93.9	99.8	119.4	137.0	140.9	140.9	138.9	135.0
95°	84.1	80.2	78.3	74.4	82.2	99.8	113.5	113.5	113.5	107.6	107.6
97.5°	64.6	64.6	64.6	60.7	66.5	80.2	90.0	88.0	88.0	84.1	84.1
100°	52.8	52.8	52.8	50.9	54.8	64.6	68.5	68.5	70.4	68.5	68.5
102.5°	43.0	43.0	43.0	43.0	45.0	52.8	56.7	54.8	56.7	56.7	56.7
105°	35.2	35.2	37.2	35.2	39.1	45.0	45.0	45.0	47.0	43.0	45.0
107.5°	27.4	29.3	29.3	29.3	33.3	37.2	39.1	37.2	37.2	35.2	35.2
110°	23.5	25.4	25.4	25.4	27.4	31.3	33.3	31.3	29.3	29.3	29.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	21.5	21.5	21.5	23.5	27.4	27.4	25.4	23.5	23.5	23.5
115°	17.6	17.6	19.6	19.6	21.5	23.5	23.5	21.5	19.6	21.5	21.5
117.5°	15.7	15.7	17.6	17.6	17.6	19.6	19.6	17.6	17.6	19.6	19.6
120°	13.7	15.7	15.7	15.7	15.7	17.6	17.6	15.7	15.7	17.6	17.6
122.5°	13.7	13.7	13.7	13.7	15.7	15.7	15.7	13.7	13.7	15.7	15.7
125°	11.7	13.7	13.7	13.7	13.7	13.7	13.7	11.7	13.7	13.7	15.7
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.7	13.7
130°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	9.8	11.7	11.7	11.7
132.5°	11.7	11.7	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.7	11.7
135°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	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	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8	7.8
145°	5.9	5.9	5.9	3.9	3.9	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	5.9	5.9	5.9	5.9
150°	3.9	3.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9	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

(END OF REPORT)