

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: P695593

Luminaire Tested: **LXF.LXT-PA16-60-727-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5285 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

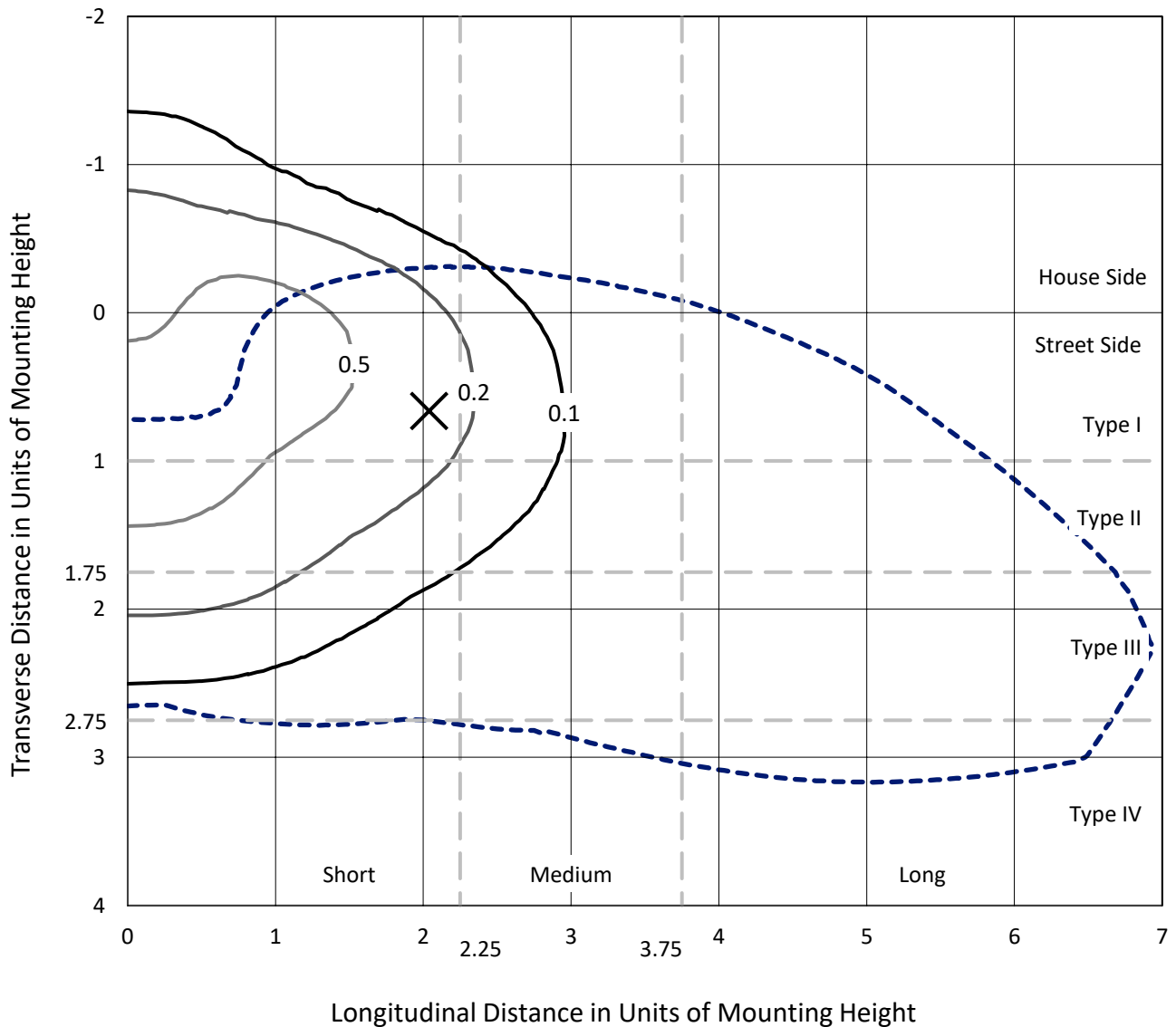
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

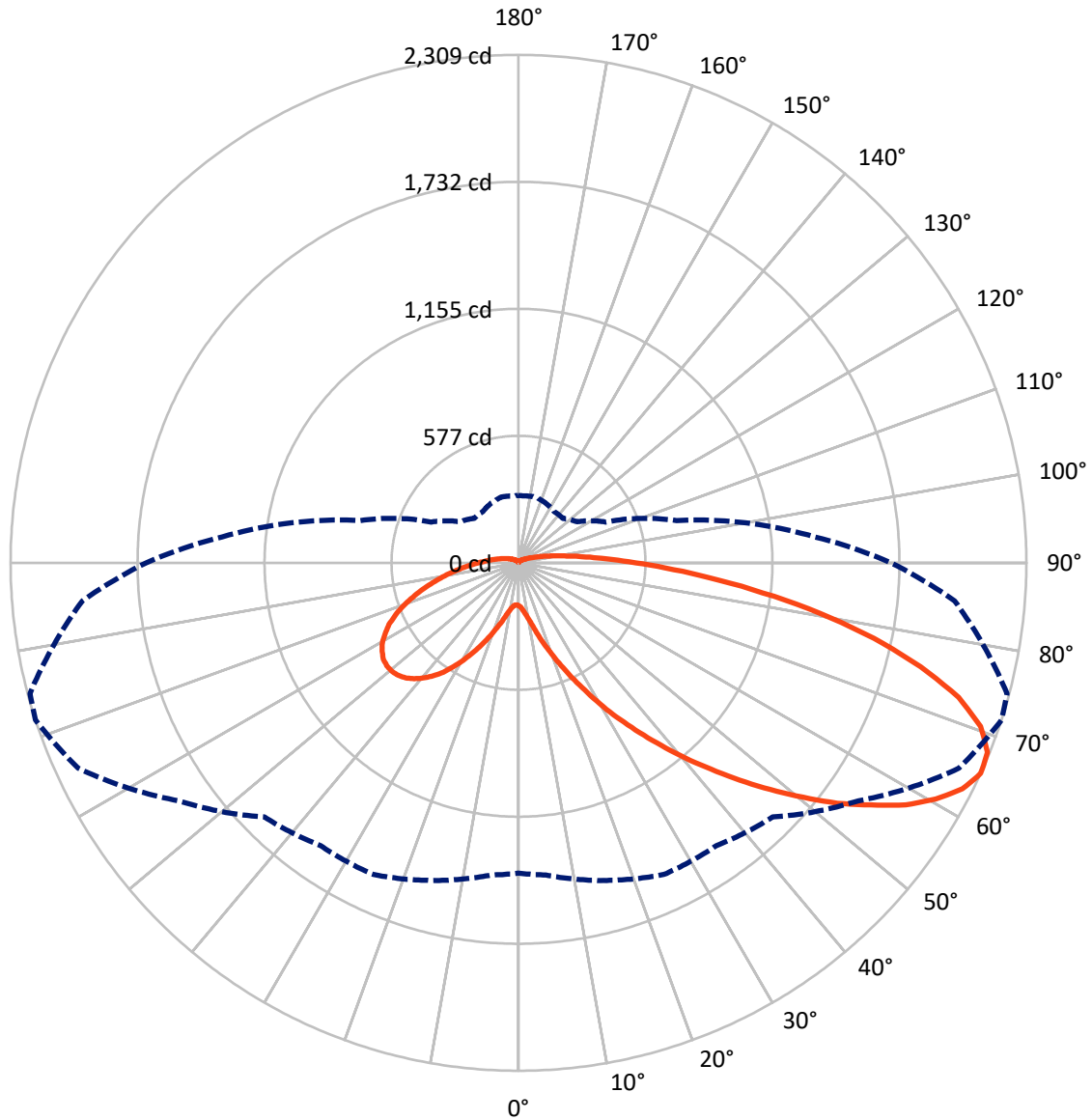
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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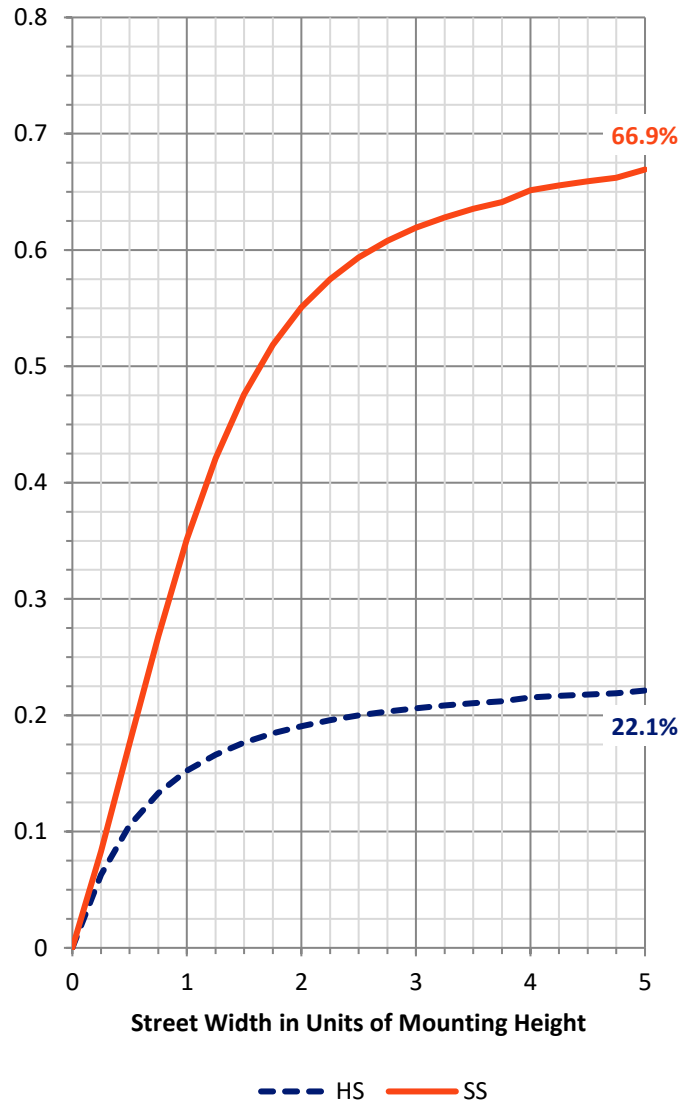
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1235.0	156.2	1391.3
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	3672.7	221.1	3893.8
	% Fixture	69.5	4.2	73.7
Total	Lumens	4907.7	377.3	5285.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.4
10°-20°	86.0	1.6
20°-30°	221.4	4.2
30°-40°	440.3	8.3
40°-50°	716.8	13.6
50°-60°	992.4	18.8
60°-70°	1108.6	21.0
70°-80°	867.9	16.4
80°-90°	453.9	8.6
90°-100°	197.5	3.7
100°-110°	91.0	1.7
110°-120°	46.4	0.9
120°-130°	24.9	0.5
130°-140°	12.5	0.2
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4907.7	92.9
0°-180°	5285.0	100.0

Coefficient of Utilization



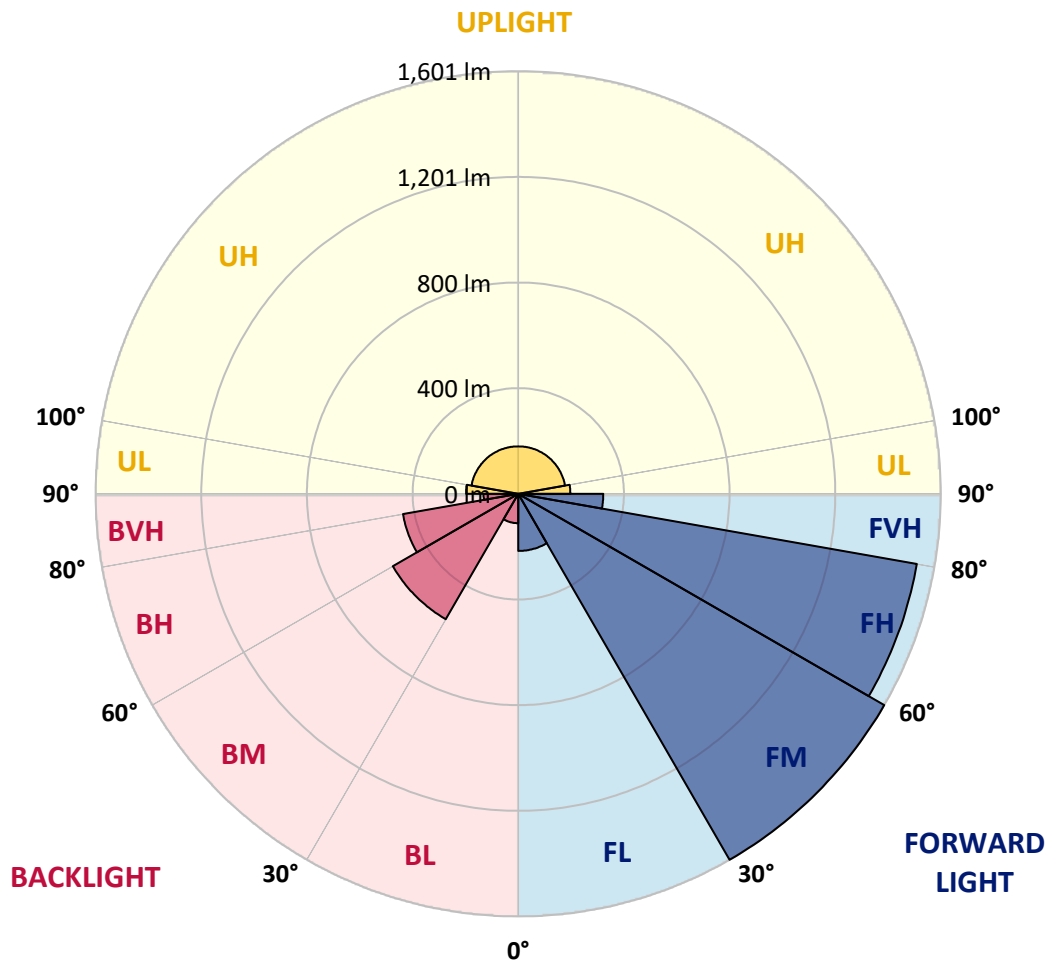
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.4	4.1			
FM (30°-60°)	1600.9	30.3			
FH (60°-80°)	1533.2	29.0			G1/1800
FVH (80°-90°)	322.1	6.1			G3/500
BL (0°-30°)	111.4	2.1	B1/500		
BM (30°-60°)	548.6	10.4	B1/1000		
BH (60°-80°)	443.3	8.4	B1/500		G1/500
BVH (80°-90°)	131.8	2.5			G2/225
UL (90°-100°)	197.5	3.7		U3/500	
UH (100°-180°)	179.8	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	211.4	213.3	213.3	211.4	211.4	209.4	207.4	203.5	201.6	201.6	197.7
5°	238.7	240.7	238.7	236.8	234.8	229.0	227.0	221.1	217.2	215.3	207.4
7.5°	274.0	274.0	272.0	268.1	264.2	260.3	250.5	242.7	236.8	232.9	223.1
10°	311.2	311.2	309.2	307.2	301.4	291.6	281.8	272.0	262.2	260.3	246.6
12.5°	362.0	358.1	354.2	348.3	342.5	332.7	319.0	307.2	297.5	295.5	279.8
15°	412.9	414.9	407.0	397.3	389.4	377.7	365.9	356.2	344.4	340.5	319.0
17.5°	471.6	473.6	467.7	459.9	446.2	434.4	418.8	405.1	397.3	389.4	364.0
20°	544.0	544.0	538.2	522.5	508.8	495.1	481.4	465.8	452.1	446.2	418.8
22.5°	620.4	618.4	610.6	591.0	573.4	555.8	544.0	528.4	518.6	510.8	479.5
25°	712.3	706.5	694.7	671.2	647.7	626.2	608.6	602.7	589.0	581.2	551.9
27.5°	802.3	806.3	786.7	755.4	722.1	700.6	684.9	677.1	667.3	663.4	626.2
30°	913.9	906.1	884.5	845.4	798.4	769.1	761.3	759.3	759.3	751.5	712.3
32.5°	1017.6	1009.8	986.3	939.3	882.6	845.4	839.5	845.4	849.3	847.4	798.4
35°	1123.3	1115.5	1088.1	1037.2	960.9	917.8	917.8	941.3	947.2	943.2	894.3
37.5°	1223.1	1219.2	1191.8	1123.3	1050.9	998.0	1005.9	1043.1	1052.8	1050.9	988.3
40°	1319.0	1319.0	1291.6	1217.2	1129.2	1076.3	1090.0	1146.8	1166.3	1164.4	1095.9
42.5°	1416.8	1412.9	1387.5	1315.1	1213.3	1154.6	1180.0	1250.5	1281.8	1285.7	1203.5
45°	1501.0	1497.1	1477.5	1397.3	1295.5	1234.8	1272.0	1367.9	1409.0	1407.0	1309.2
47.5°	1573.4	1571.4	1557.7	1483.4	1375.7	1319.0	1371.8	1489.2	1540.1	1540.1	1428.6
50°	1632.1	1634.0	1624.3	1563.6	1450.1	1399.2	1471.6	1612.5	1675.1	1675.1	1542.1
52.5°	1669.3	1673.2	1677.1	1620.4	1520.5	1473.6	1567.5	1741.7	1816.0	1814.1	1657.5
55°	1681.0	1684.9	1704.5	1669.3	1577.3	1542.1	1663.4	1866.9	1943.2	1937.4	1763.2
57.5°	1661.4	1669.3	1702.5	1690.8	1616.4	1596.9	1743.6	1974.6	2076.3	2070.4	1861.1
60°	1612.5	1622.3	1669.3	1683.0	1632.1	1634.0	1818.0	2082.2	2180.0	2176.1	1937.4
62.5°	1526.4	1542.1	1602.7	1639.9	1618.4	1649.7	1866.9	2164.4	2264.2	2258.3	1982.4
65°	1411.0	1424.7	1495.1	1563.6	1569.5	1634.0	1886.5	2209.4	2309.2	2299.4	1990.2
67.5°	1274.0	1268.1	1358.1	1446.2	1481.4	1577.3	1861.1	2203.5	2299.4	2281.8	1941.3
70°	1105.7	1105.7	1197.7	1285.7	1360.1	1489.2	1790.6	2140.9	2229.0	2203.5	1847.4
72.5°	908.0	929.5	1009.8	1113.5	1205.5	1362.0	1681.0	2017.6	2092.0	2062.6	1688.8
75°	743.6	761.3	831.7	935.4	1041.1	1215.3	1518.6	1839.5	1888.5	1859.1	1495.1
77.5°	596.9	604.7	681.0	769.1	878.7	1037.2	1324.9	1616.4	1651.7	1620.4	1275.9
80°	459.9	479.5	532.3	616.4	722.1	876.7	1123.3	1356.2	1389.4	1354.2	1043.1
82.5°	362.0	367.9	416.8	497.1	587.1	718.2	923.7	1101.8	1117.4	1076.3	841.5
85°	279.8	283.8	324.9	393.3	471.6	577.3	737.8	866.9	870.8	847.4	657.5
87.5°	213.3	221.1	258.3	313.1	379.6	471.6	581.2	671.2	665.4	647.7	512.7
90°	168.3	172.2	199.6	248.5	303.3	371.8	454.0	512.7	501.0	493.2	387.5
92.5°	133.1	135.0	164.4	201.6	246.6	301.4	356.2	395.3	379.6	373.8	295.5
95°	105.7	109.6	131.1	164.4	201.6	242.7	279.8	299.4	289.6	279.8	229.0
97.5°	86.1	88.1	107.6	135.0	166.3	197.7	223.1	230.9	221.1	217.2	178.1
100°	72.4	72.4	90.0	113.5	137.0	162.4	178.1	182.0	174.2	164.4	137.0
102.5°	60.7	60.7	74.4	95.9	117.4	135.0	144.8	144.8	135.0	129.2	109.6
105°	50.9	52.8	62.6	82.2	99.8	113.5	121.3	115.5	107.6	103.7	88.1
107.5°	45.0	45.0	54.8	70.5	86.1	95.9	99.8	93.9	86.1	80.2	70.5
110°	41.1	41.1	47.0	60.7	74.4	84.1	84.1	78.3	68.5	64.6	58.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	35.2	37.2	41.1	52.8	64.6	72.4	72.4	64.6	56.8	52.8	48.9
115°	33.3	33.3	37.2	47.0	56.8	62.6	62.6	54.8	47.0	45.0	41.1
117.5°	29.4	29.4	33.3	41.1	48.9	54.8	52.8	47.0	39.1	37.2	35.2
120°	27.4	27.4	29.4	35.2	43.1	47.0	45.0	39.1	33.3	31.3	31.3
122.5°	25.4	25.4	27.4	31.3	39.1	41.1	39.1	33.3	29.4	27.4	29.4
125°	23.5	23.5	25.4	29.4	33.3	35.2	33.3	27.4	25.4	25.4	25.4
127.5°	23.5	23.5	23.5	25.4	29.4	31.3	29.4	23.5	21.5	21.5	23.5
130°	21.5	21.5	21.5	23.5	25.4	27.4	23.5	19.6	19.6	19.6	19.6
132.5°	19.6	19.6	19.6	19.6	21.5	21.5	19.6	17.6	17.6	17.6	17.6
135°	17.6	17.6	17.6	17.6	17.6	17.6	15.7	13.7	15.7	15.7	15.7
137.5°	15.7	15.7	15.7	15.7	15.7	13.7	13.7	11.7	13.7	13.7	13.7
140°	13.7	13.7	13.7	13.7	11.7	11.7	9.8	9.8	9.8	11.7	11.7
142.5°	11.7	11.7	11.7	11.7	9.8	7.8	7.8	7.8	9.8	9.8	9.8
145°	9.8	9.8	9.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8
147.5°	7.8	7.8	7.8	5.9	5.9	3.9	3.9	3.9	5.9	5.9	5.9
150°	5.9	5.9	5.9	3.9	3.9	2.0	2.0	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°	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7	195.7
2.5°	195.7	195.7	191.8	189.8	187.9	185.9	184.0	182.0	182.0	182.0	182.0
5°	205.5	199.6	193.7	187.9	182.0	178.1	172.2	170.3	168.3	166.3	166.3
7.5°	217.2	213.3	201.6	191.8	182.0	174.2	168.3	162.4	158.5	156.6	156.6
10°	238.7	230.9	217.2	201.6	187.9	176.1	166.3	158.5	154.6	152.6	152.6
12.5°	270.1	258.3	238.7	217.2	197.7	182.0	170.3	160.5	154.6	154.6	152.6
15°	307.2	293.5	268.1	240.7	213.3	191.8	178.1	170.3	164.4	162.4	162.4
17.5°	350.3	336.6	303.3	266.1	236.8	209.4	191.8	182.0	176.1	172.2	172.2
20°	403.1	383.6	340.5	297.5	258.3	232.9	207.4	195.7	187.9	184.0	182.0
22.5°	459.9	438.4	385.5	330.7	285.7	252.4	225.0	207.4	197.7	195.7	193.7
25°	528.4	497.1	432.5	365.9	313.1	272.0	240.7	219.2	211.4	207.4	207.4
27.5°	600.8	563.6	483.4	403.1	338.6	287.7	252.4	230.9	223.1	221.1	219.2
30°	677.1	634.1	536.2	444.2	362.0	303.3	266.1	244.6	234.8	232.9	232.9
32.5°	761.3	710.4	589.0	475.5	379.6	313.1	274.0	254.4	244.6	244.6	244.6
35°	843.4	784.7	643.8	508.8	395.3	320.9	281.8	264.2	254.4	256.4	256.4
37.5°	931.5	866.9	690.8	532.3	407.0	326.8	285.7	272.0	266.1	266.1	266.1
40°	1027.4	935.4	733.9	549.9	411.0	328.8	289.6	277.9	274.0	274.0	275.9
42.5°	1119.4	1015.7	771.0	563.6	412.9	328.8	291.6	283.8	281.8	281.8	281.8
45°	1211.3	1086.1	804.3	567.5	411.0	326.8	293.5	287.7	287.7	287.7	287.7
47.5°	1311.2	1156.6	827.8	565.6	405.1	322.9	293.5	289.6	293.5	291.6	291.6
50°	1399.2	1223.1	843.4	559.7	397.3	319.0	291.6	293.5	297.5	295.5	295.5
52.5°	1491.2	1281.8	851.3	546.0	385.5	313.1	291.6	295.5	299.4	297.5	297.5
55°	1573.4	1332.7	851.3	530.3	375.7	309.2	291.6	297.5	303.3	301.4	301.4
57.5°	1639.9	1367.9	837.6	508.8	362.0	303.3	289.6	297.5	305.3	303.3	303.3
60°	1690.8	1387.5	818.0	487.3	350.3	297.5	287.7	297.5	307.2	303.3	305.3
62.5°	1712.3	1385.5	782.8	461.8	338.6	291.6	285.7	297.5	307.2	305.3	305.3
65°	1692.8	1352.2	743.6	438.4	324.9	285.7	283.8	297.5	309.2	305.3	305.3
67.5°	1636.0	1287.7	692.8	409.0	311.2	279.8	279.8	295.5	307.2	303.3	303.3
70°	1532.3	1193.7	634.1	383.6	297.5	272.0	274.0	289.6	301.4	301.4	299.4
72.5°	1393.3	1072.4	569.5	354.2	283.8	262.2	266.1	283.8	293.5	293.5	291.6
75°	1230.9	931.5	504.9	326.8	268.1	252.4	256.4	272.0	283.8	281.8	279.8
77.5°	1037.2	788.6	442.3	297.5	250.5	238.7	244.6	260.3	270.1	266.1	264.2
80°	859.1	663.4	385.5	268.1	232.9	225.0	230.9	242.7	250.5	248.5	246.6
82.5°	686.9	536.2	326.8	240.7	215.3	209.4	215.3	225.0	230.9	229.0	225.0
85°	534.2	434.4	279.8	213.3	195.7	191.8	197.7	205.5	209.4	205.5	203.5
87.5°	420.7	340.5	232.9	187.9	176.1	174.2	178.1	185.9	189.8	185.9	180.0
90°	328.8	274.0	197.7	166.3	158.5	158.5	160.5	166.3	166.3	162.4	160.5
92.5°	256.4	219.2	166.3	144.8	140.9	140.9	144.8	146.8	146.8	140.9	138.9
95°	201.6	176.1	140.9	127.2	125.2	125.2	129.2	129.2	127.2	121.3	119.4
97.5°	158.5	142.9	121.3	111.5	109.6	111.5	113.5	113.5	109.6	103.7	101.8
100°	127.2	117.4	101.8	97.8	97.8	99.8	99.8	97.8	93.9	88.1	88.1
102.5°	103.7	95.9	88.1	86.1	86.1	88.1	88.1	86.1	82.2	74.4	74.4
105°	84.1	78.3	74.4	74.4	76.3	76.3	76.3	74.4	68.5	62.6	62.6
107.5°	68.5	66.5	64.6	64.6	66.5	68.5	68.5	64.6	58.7	54.8	54.8
110°	56.8	56.8	56.8	56.8	58.7	60.7	60.7	56.8	50.9	47.0	47.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	48.9	47.0	48.9	50.9	52.8	54.8	52.8	48.9	43.1	41.1	41.1
115°	41.1	41.1	43.1	45.0	47.0	47.0	47.0	43.1	37.2	35.2	35.2
117.5°	37.2	37.2	37.2	39.1	41.1	43.1	41.1	37.2	31.3	31.3	31.3
120°	31.3	31.3	33.3	35.2	37.2	37.2	35.2	31.3	27.4	27.4	27.4
122.5°	29.4	29.4	29.4	31.3	33.3	33.3	31.3	27.4	23.5	25.4	25.4
125°	25.4	25.4	25.4	27.4	29.4	29.4	27.4	23.5	21.5	21.5	21.5
127.5°	23.5	23.5	23.5	23.5	25.4	25.4	23.5	21.5	19.6	19.6	19.6
130°	21.5	21.5	21.5	21.5	21.5	21.5	19.6	17.6	17.6	17.6	17.6
132.5°	17.6	17.6	17.6	17.6	19.6	19.6	17.6	15.7	15.7	15.7	15.7
135°	15.7	15.7	15.7	15.7	15.7	15.7	13.7	13.7	13.7	13.7	13.7
137.5°	13.7	13.7	13.7	13.7	13.7	13.7	11.7	11.7	11.7	11.7	11.7
140°	11.7	11.7	11.7	11.7	11.7	9.8	9.8	9.8	9.8	11.7	11.7
142.5°	9.8	9.8	9.8	9.8	7.8	7.8	7.8	7.8	9.8	9.8	9.8
145°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	7.8	7.8	7.8	7.8
147.5°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	5.9	5.9	7.8	7.8
150°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	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)