

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: P695771

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695771
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-PA16-60-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA 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: 4842 lumens
Efficiency: N/A
Efficacy: 78.1 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 - G3

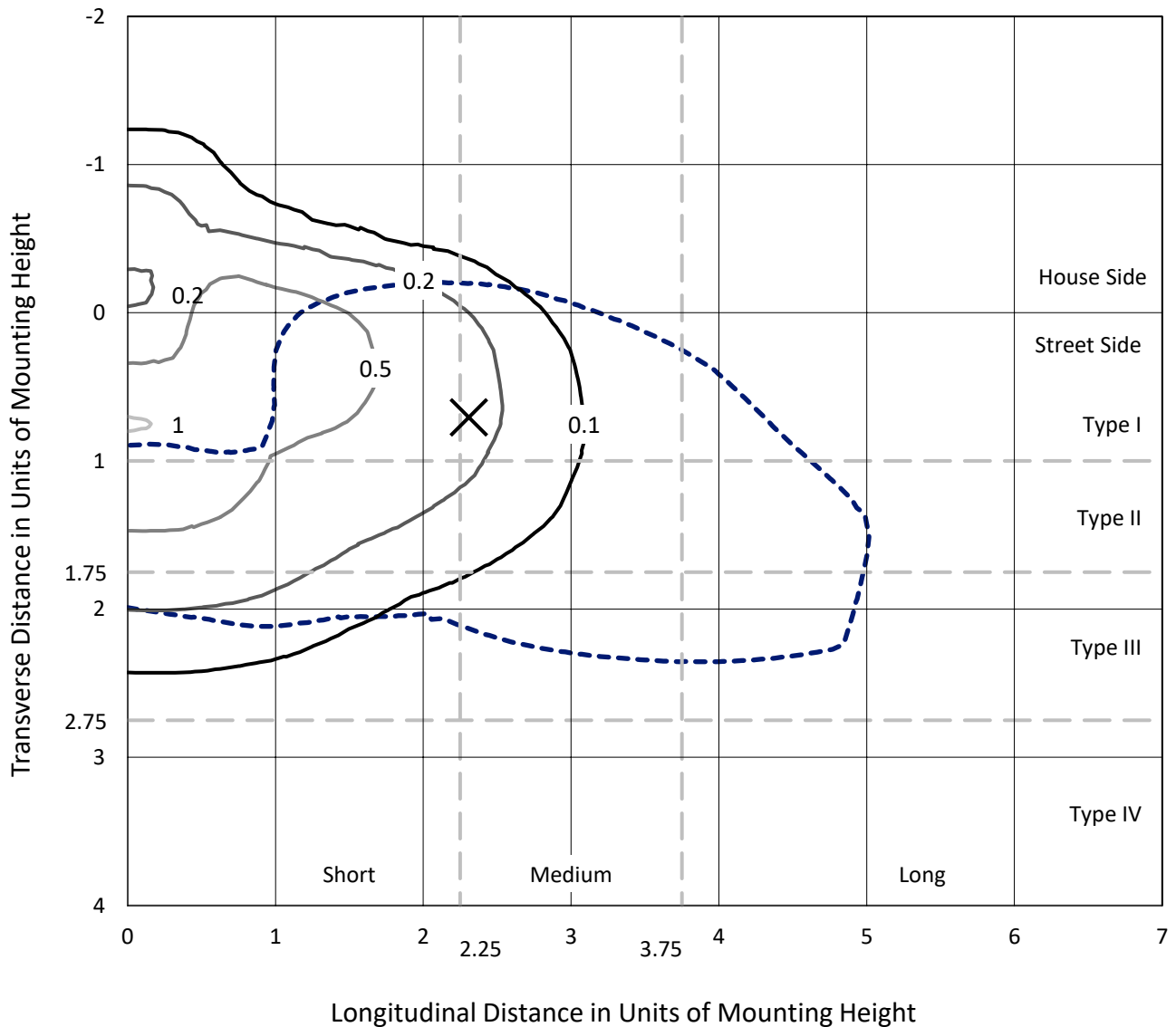
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

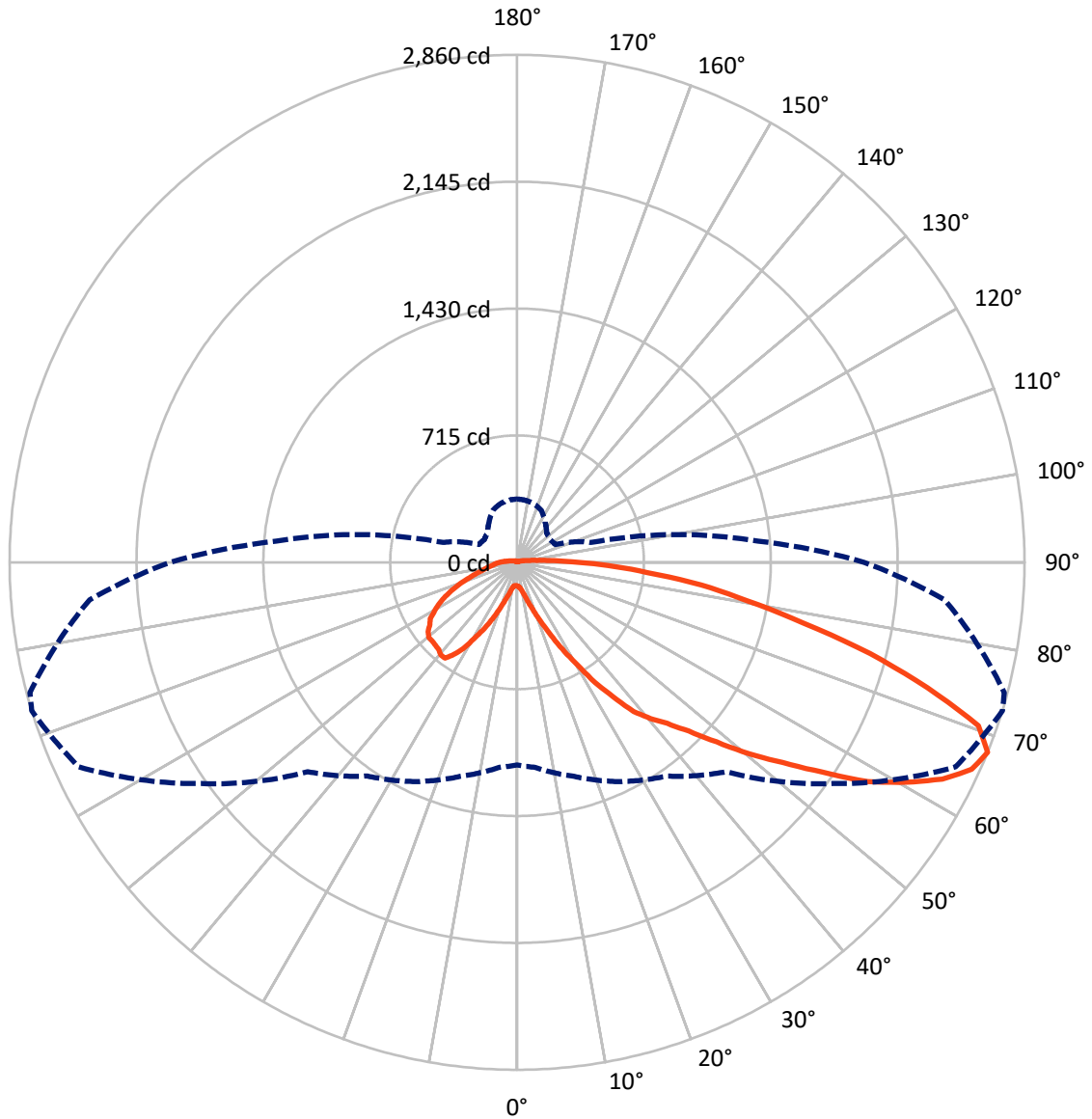
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - 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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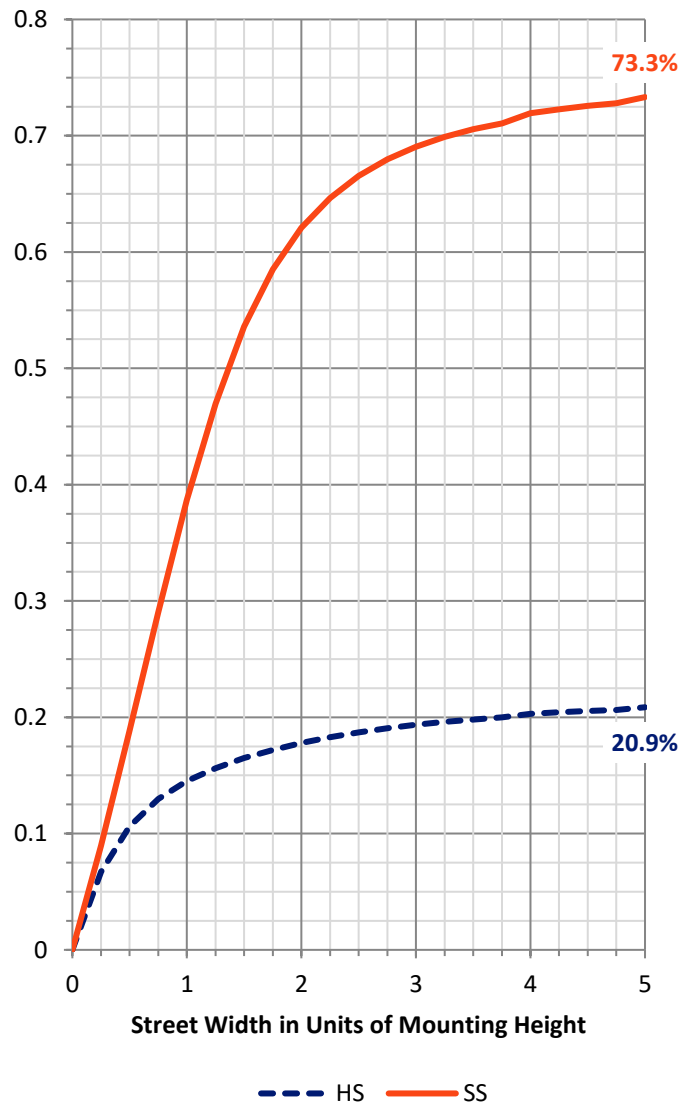
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.6	79.2	1138.8
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	3622.1	81.1	3703.2
	% Fixture	74.8	1.7	76.5
Total	Lumens	4681.7	160.3	4842.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.3
10°-20°	59.5	1.2
20°-30°	183.1	3.8
30°-40°	421.7	8.7
40°-50°	683.3	14.1
50°-60°	1013.6	20.9
60°-70°	1180.2	24.4
70°-80°	810.7	16.7
80°-90°	315.8	6.5
90°-100°	89.6	1.9
100°-110°	32.7	0.7
110°-120°	16.9	0.3
120°-130°	10.6	0.2
130°-140°	7.0	0.1
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4681.7	96.7
0°-180°	4842.0	100.0

Coefficient of Utilization

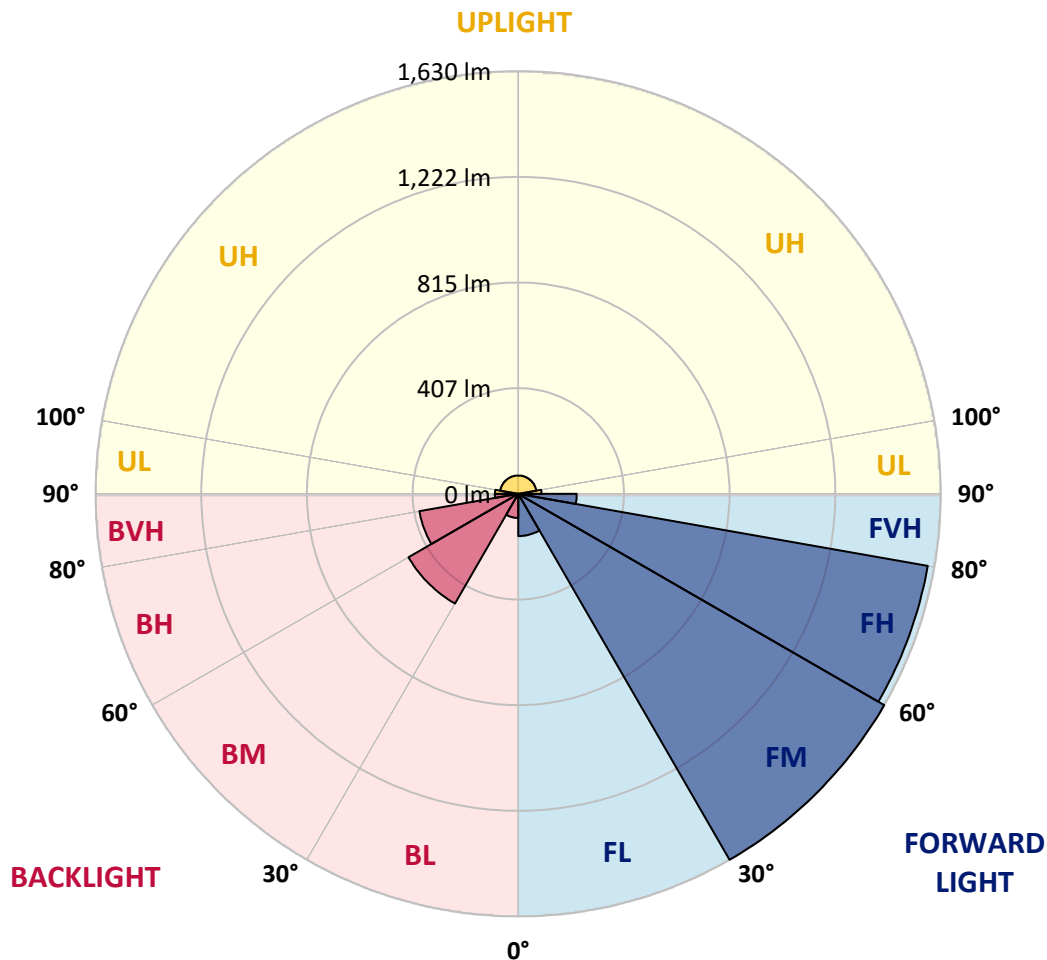


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	163.1	3.4			
FM (30°-60°)	1630.0	33.7			
FH (60°-80°)	1603.8	33.1			G1/1800
FVH (80°-90°)	225.3	4.7			G3/500
BL (0°-30°)	93.2	1.9	B0/110		
BM (30°-60°)	488.7	10.1	B1/1000		
BH (60°-80°)	387.2	8.0	B1/500		G1/500
BVH (80°-90°)	90.5	1.9			G1/100
UL (90°-100°)	89.6	1.9		U3/500	
UH (100°-180°)	70.6	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	140.4	142.1	142.1	142.1	142.1	140.4	138.6	136.9	136.9	135.1	133.3
5°	157.9	157.9	156.2	156.2	154.4	152.6	149.1	145.6	142.1	142.1	138.6
7.5°	173.7	175.5	175.5	171.9	170.2	166.7	161.4	156.2	152.6	150.9	145.6
10°	198.3	200.0	198.3	194.8	191.2	186.0	179.0	173.7	168.4	164.9	159.7
12.5°	231.6	231.6	229.8	222.8	215.8	210.5	203.5	198.3	191.2	191.2	184.2
15°	272.0	273.7	268.4	263.2	252.7	243.9	235.1	231.6	228.1	228.1	219.3
17.5°	322.8	324.6	317.6	303.5	291.3	284.2	279.0	273.7	270.2	270.2	261.4
20°	398.3	387.8	386.0	356.2	342.1	331.6	328.1	324.6	326.3	322.8	317.6
22.5°	482.5	475.5	465.0	429.9	403.5	387.8	382.5	384.2	389.5	389.5	387.8
25°	582.5	584.3	557.9	514.1	473.7	450.9	449.2	466.7	472.0	475.5	473.7
27.5°	696.6	703.6	661.5	614.1	557.9	519.3	522.9	552.7	570.2	572.0	570.2
30°	843.9	847.5	794.8	721.1	642.2	598.3	608.8	650.9	670.2	677.3	680.8
32.5°	1012.4	1012.4	952.7	856.2	738.7	677.3	687.8	761.5	807.1	805.3	815.9
35°	1173.8	1161.5	1110.6	987.8	845.7	761.5	787.8	872.0	928.2	938.7	933.4
37.5°	1286.1	1294.9	1247.5	1128.2	954.5	849.2	886.1	993.1	1066.8	1066.8	1052.7
40°	1359.8	1370.3	1326.4	1224.7	1061.5	945.7	986.1	1101.9	1158.0	1161.5	1110.6
42.5°	1438.7	1447.5	1417.7	1312.4	1151.0	1036.9	1073.8	1184.3	1240.5	1238.7	1186.1
45°	1526.5	1538.7	1524.7	1417.7	1240.5	1122.9	1154.5	1282.6	1356.3	1368.6	1300.1
47.5°	1633.5	1642.3	1626.5	1521.2	1340.5	1210.6	1259.8	1415.9	1512.4	1514.2	1435.2
50°	1693.1	1710.7	1735.3	1652.8	1454.5	1308.9	1384.3	1584.4	1696.7	1717.7	1612.4
52.5°	1730.0	1749.3	1789.6	1772.1	1598.4	1438.7	1551.0	1777.4	1873.9	1903.7	1751.0
55°	1791.4	1812.5	1856.3	1831.8	1710.7	1587.9	1707.2	1973.9	2086.2	2100.2	1965.1
57.5°	1705.4	1726.5	1845.8	1893.2	1787.9	1717.7	1873.9	2193.2	2331.8	2352.9	2165.1
60°	1628.2	1642.3	1721.2	1856.3	1833.5	1810.7	2052.8	2403.7	2517.8	2524.8	2284.4
62.5°	1484.4	1515.9	1607.2	1717.7	1779.1	1844.0	2182.7	2570.4	2689.7	2702.0	2402.0
65°	1284.3	1307.1	1408.9	1566.8	1640.5	1789.6	2237.1	2705.5	2814.3	2807.3	2459.9
67.5°	1142.2	1159.8	1249.2	1363.3	1470.3	1668.6	2173.9	2726.6	2859.9	2842.4	2417.8
70°	896.6	917.6	1019.4	1198.4	1282.6	1479.1	2024.8	2642.4	2758.2	2742.4	2226.5
72.5°	714.1	733.4	829.9	980.8	1122.9	1280.8	1826.5	2373.9	2419.5	2379.2	1875.6
75°	522.9	549.2	614.1	751.0	921.1	1107.1	1538.7	2017.7	2054.6	2016.0	1523.0
77.5°	361.4	363.2	421.1	550.9	698.3	933.4	1277.3	1675.6	1651.0	1610.7	1165.0
80°	231.6	235.1	272.0	356.2	507.1	705.3	1031.7	1335.2	1312.4	1294.9	893.1
82.5°	149.1	143.9	175.5	233.4	343.9	512.3	801.8	1070.3	1045.7	1003.6	675.5
85°	94.7	98.3	115.8	152.6	235.1	373.7	598.3	766.7	735.2	696.6	461.4
87.5°	71.9	73.7	84.2	108.8	159.7	263.2	408.8	533.4	512.3	475.5	310.6
90°	54.4	56.1	63.2	79.0	110.5	179.0	272.0	335.1	310.6	291.3	200.0
92.5°	38.6	40.4	47.4	59.7	82.5	124.6	175.5	196.5	182.5	175.5	129.8
95°	28.1	29.8	35.1	43.9	61.4	86.0	110.5	119.3	110.5	107.0	91.2
97.5°	22.8	24.6	26.3	33.3	47.4	63.2	75.4	77.2	75.4	71.9	68.4
100°	19.3	19.3	22.8	26.3	36.8	50.9	56.1	56.1	56.1	56.1	52.6
102.5°	15.8	15.8	19.3	22.8	29.8	40.4	43.9	43.9	42.1	43.9	42.1
105°	14.0	14.0	15.8	19.3	26.3	33.3	35.1	33.3	33.3	33.3	33.3
107.5°	12.3	12.3	14.0	17.5	22.8	28.1	29.8	28.1	26.3	26.3	28.1
110°	10.5	10.5	12.3	14.0	19.3	24.6	24.6	21.1	21.1	21.1	22.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	10.5	10.5	12.3	14.0	17.5	21.1	19.3	17.5	17.5	17.5	19.3
115°	10.5	10.5	10.5	12.3	15.8	17.5	17.5	15.8	14.0	15.8	17.5
117.5°	10.5	10.5	10.5	12.3	14.0	15.8	15.8	14.0	12.3	14.0	15.8
120°	10.5	10.5	10.5	12.3	14.0	14.0	14.0	12.3	12.3	12.3	14.0
122.5°	8.8	8.8	10.5	10.5	12.3	12.3	12.3	10.5	10.5	10.5	14.0
125°	8.8	8.8	10.5	10.5	12.3	12.3	10.5	10.5	10.5	10.5	12.3
127.5°	10.5	10.5	10.5	10.5	10.5	10.5	10.5	8.8	10.5	10.5	12.3
130°	10.5	10.5	10.5	10.5	10.5	10.5	8.8	8.8	10.5	10.5	12.3
132.5°	10.5	10.5	10.5	10.5	10.5	8.8	8.8	8.8	8.8	10.5	10.5
135°	10.5	10.5	10.5	10.5	8.8	8.8	7.0	8.8	8.8	8.8	10.5
137.5°	8.8	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0	8.8	8.8
140°	8.8	7.0	7.0	7.0	7.0	7.0	5.3	5.3	7.0	7.0	8.8
142.5°	7.0	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3	7.0	7.0
145°	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	5.3	5.3	5.3
147.5°	5.3	3.5	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
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°	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3	133.3
2.5°	133.3	131.6	131.6	129.8	128.1	128.1	126.3	126.3	126.3	126.3	124.6
5°	136.9	135.1	131.6	128.1	124.6	122.8	121.1	119.3	117.6	117.6	117.6
7.5°	142.1	140.4	135.1	129.8	124.6	119.3	115.8	114.0	112.3	110.5	110.5
10°	156.2	150.9	142.1	133.3	126.3	119.3	114.0	110.5	108.8	107.0	107.0
12.5°	175.5	173.7	159.7	145.6	133.3	122.8	115.8	114.0	112.3	112.3	110.5
15°	212.3	205.3	189.5	166.7	147.4	131.6	126.3	124.6	128.1	128.1	129.8
17.5°	252.7	243.9	222.8	194.8	168.4	150.9	143.9	145.6	149.1	152.6	152.6
20°	305.3	296.5	268.4	228.1	196.5	175.5	166.7	166.7	173.7	179.0	179.0
22.5°	377.2	361.4	321.1	266.7	224.6	200.0	187.7	186.0	194.8	200.0	200.0
25°	461.4	438.6	386.0	314.1	254.4	219.3	205.3	207.0	217.6	226.3	226.3
27.5°	549.2	524.6	450.9	357.9	282.5	233.4	221.1	228.1	242.1	250.9	252.7
30°	656.2	622.9	519.3	401.8	303.5	245.6	233.4	243.9	261.4	273.7	275.5
32.5°	777.3	735.2	605.3	445.7	319.3	252.7	240.4	261.4	282.5	300.0	300.0
35°	893.1	836.9	668.5	479.0	328.1	254.4	247.4	273.7	298.3	314.1	314.1
37.5°	996.6	924.7	721.1	496.5	328.1	254.4	249.1	279.0	301.8	312.3	310.6
40°	1036.9	951.0	722.9	487.8	322.8	250.9	247.4	275.5	293.0	296.5	293.0
42.5°	1098.4	993.1	710.6	457.9	305.3	245.6	242.1	263.2	273.7	273.7	270.2
45°	1193.1	1058.0	712.4	428.1	286.0	235.1	233.4	252.7	264.9	268.4	264.9
47.5°	1308.9	1138.7	714.1	401.8	268.4	226.3	228.1	250.9	263.2	259.7	257.9
50°	1461.5	1245.7	722.9	377.2	257.9	219.3	228.1	252.7	261.4	254.4	250.9
52.5°	1573.8	1308.9	707.1	354.4	250.9	217.6	231.6	256.2	261.4	250.9	250.9
55°	1738.8	1396.6	673.7	324.6	243.9	219.3	235.1	259.7	261.4	252.7	250.9
57.5°	1884.4	1475.6	654.4	298.3	236.9	222.8	240.4	264.9	268.4	263.2	261.4
60°	1951.1	1494.9	603.6	280.7	231.6	226.3	247.4	273.7	286.0	282.5	284.2
62.5°	2031.8	1498.4	554.4	264.9	229.8	229.8	256.2	291.3	307.0	307.0	308.8
65°	2026.5	1452.8	496.5	250.9	228.1	233.4	266.7	307.0	326.3	331.6	333.4
67.5°	1956.3	1363.3	433.4	236.9	224.6	235.1	275.5	322.8	345.6	354.4	356.2
70°	1738.8	1196.6	370.2	224.6	217.6	231.6	277.2	331.6	354.4	363.2	364.9
72.5°	1426.5	949.2	301.8	207.0	205.3	221.1	270.2	326.3	343.9	347.4	350.9
75°	1138.7	752.7	250.9	187.7	187.7	203.5	250.9	300.0	312.3	315.8	310.6
77.5°	852.7	570.2	208.8	170.2	170.2	186.0	226.3	264.9	275.5	273.7	275.5
80°	645.7	431.6	177.2	152.6	152.6	164.9	201.8	235.1	243.9	240.4	238.6
82.5°	484.3	322.8	154.4	136.9	136.9	147.4	175.5	203.5	210.5	210.5	205.3
85°	331.6	231.6	135.1	121.1	121.1	129.8	150.9	171.9	182.5	180.7	177.2
87.5°	231.6	175.5	119.3	108.8	107.0	114.0	129.8	149.1	161.4	163.2	159.7
90°	159.7	131.6	103.5	93.0	93.0	98.3	112.3	128.1	140.4	142.1	138.6
92.5°	112.3	100.0	86.0	79.0	77.2	84.2	93.0	103.5	110.5	110.5	112.3
95°	82.5	77.2	68.4	61.4	61.4	68.4	73.7	75.4	80.7	80.7	79.0
97.5°	63.2	61.4	56.1	49.1	47.4	54.4	56.1	57.9	61.4	59.7	57.9
100°	52.6	50.9	45.6	40.4	38.6	43.9	45.6	47.4	50.9	47.4	47.4
102.5°	42.1	42.1	38.6	33.3	33.3	36.8	38.6	40.4	42.1	40.4	38.6
105°	35.1	35.1	33.3	29.8	28.1	31.6	33.3	33.3	35.1	33.3	33.3
107.5°	28.1	29.8	28.1	24.6	24.6	26.3	28.1	28.1	28.1	28.1	28.1
110°	24.6	24.6	24.6	21.1	22.8	24.6	24.6	24.6	24.6	24.6	24.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.1	21.1	21.1	19.3	19.3	21.1	21.1	21.1	21.1	21.1	21.1
115°	19.3	19.3	19.3	17.5	17.5	19.3	17.5	17.5	17.5	19.3	19.3
117.5°	17.5	17.5	17.5	15.8	15.8	15.8	15.8	15.8	15.8	17.5	17.5
120°	15.8	15.8	15.8	14.0	14.0	14.0	14.0	14.0	14.0	15.8	15.8
122.5°	14.0	14.0	14.0	14.0	12.3	14.0	12.3	12.3	12.3	14.0	14.0
125°	12.3	14.0	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	14.0
127.5°	12.3	12.3	12.3	12.3	10.5	10.5	10.5	10.5	10.5	12.3	12.3
130°	12.3	12.3	12.3	10.5	10.5	10.5	8.8	8.8	10.5	10.5	12.3
132.5°	12.3	12.3	10.5	10.5	8.8	8.8	8.8	8.8	10.5	10.5	10.5
135°	10.5	10.5	10.5	8.8	8.8	8.8	7.0	8.8	8.8	10.5	10.5
137.5°	8.8	8.8	8.8	8.8	7.0	7.0	7.0	7.0	8.8	8.8	8.8
140°	8.8	8.8	7.0	7.0	7.0	5.3	5.3	7.0	7.0	8.8	8.8
142.5°	7.0	7.0	7.0	5.3	5.3	5.3	5.3	5.3	7.0	7.0	7.0
145°	5.3	5.3	5.3	5.3	3.5	3.5	5.3	5.3	5.3	7.0	7.0
147.5°	5.3	5.3	5.3	3.5	3.5	3.5	3.5	5.3	5.3	5.3	5.3
150°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	5.3
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)