

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: P695592

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5590 lumens
Efficiency: N/A
Efficacy: 90.2 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 - G2

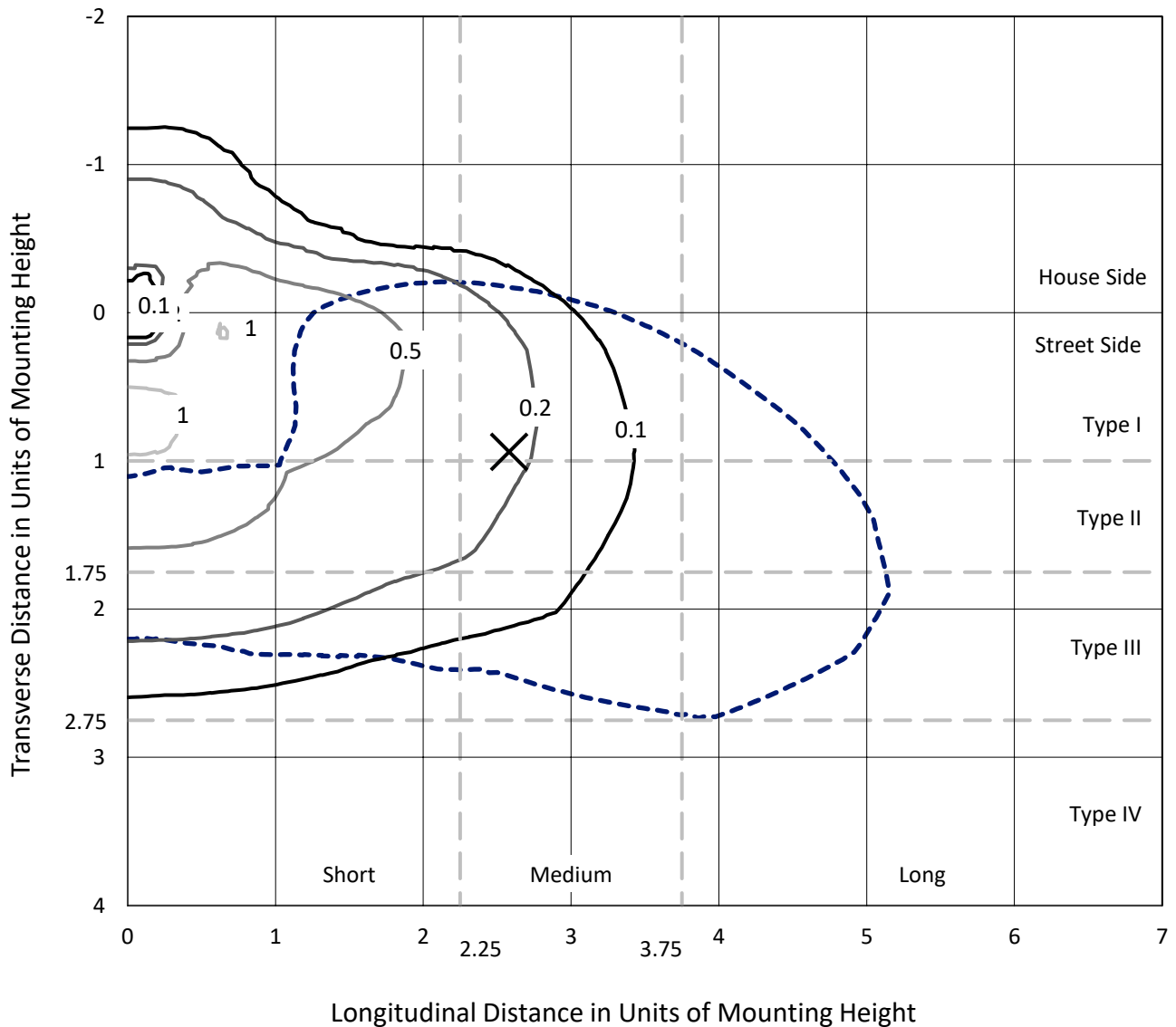
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

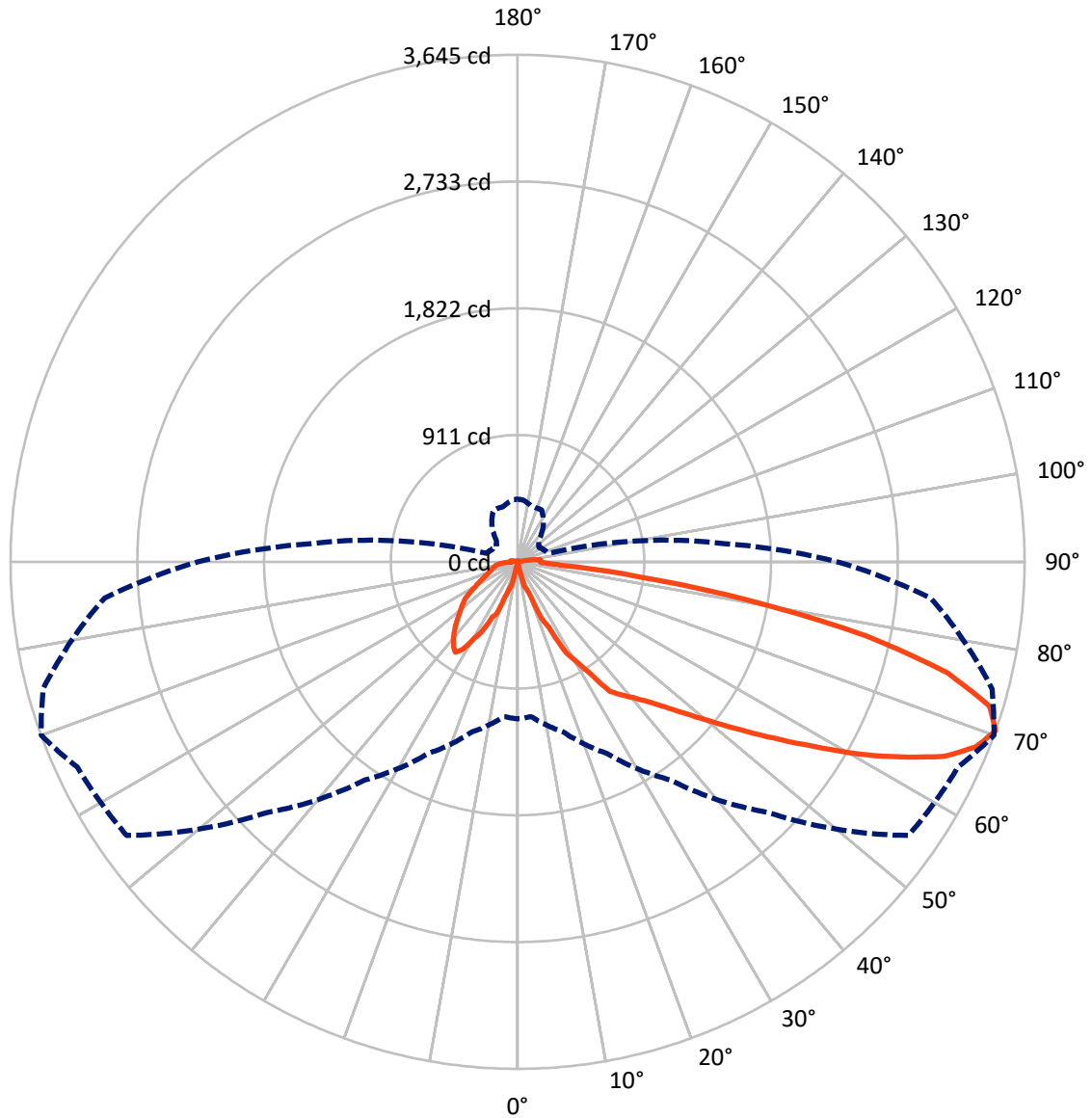
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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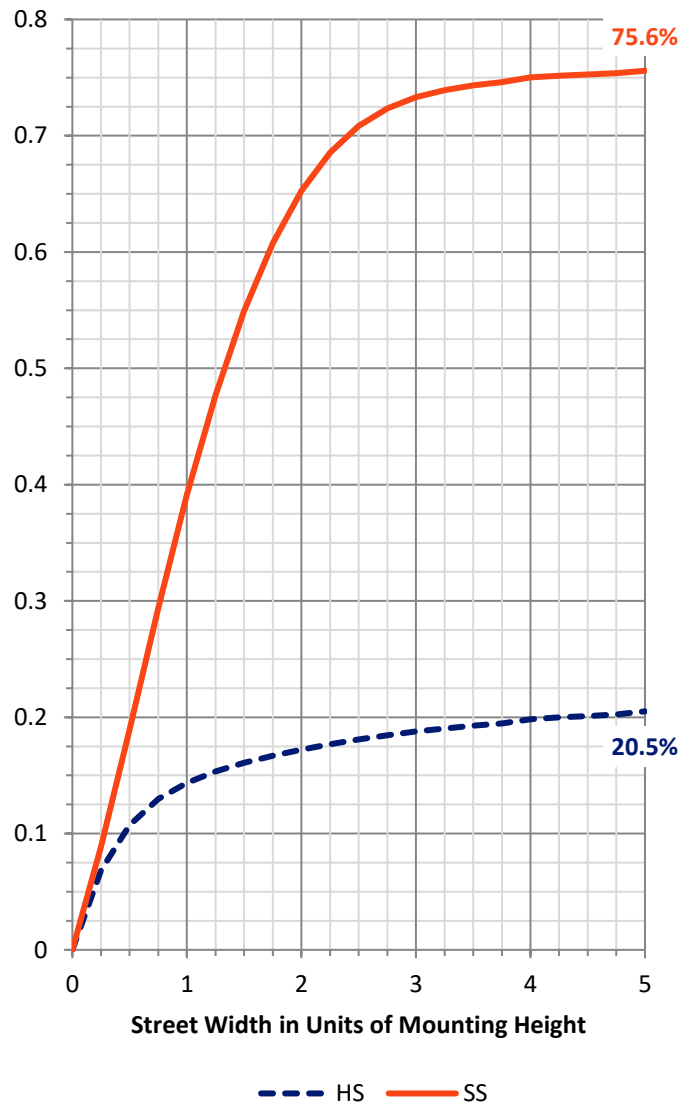
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1216.4	60.3	1276.7
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	4260.3	53.0	4313.3
	% Fixture	76.2	0.9	77.2
Total	Lumens	5476.7	113.3	5590.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	39.9	0.7
20°-30°	228.4	4.1
30°-40°	527.3	9.4
40°-50°	772.4	13.8
50°-60°	1142.3	20.4
60°-70°	1498.2	26.8
70°-80°	1017.5	18.2
80°-90°	250.3	4.5
90°-100°	82.2	1.5
100°-110°	14.7	0.3
110°-120°	5.8	0.1
120°-130°	4.6	0.1
130°-140°	3.3	0.1
140°-150°	2.5	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5476.7	98.0
0°-180°	5590.0	100.0

Coefficient of Utilization

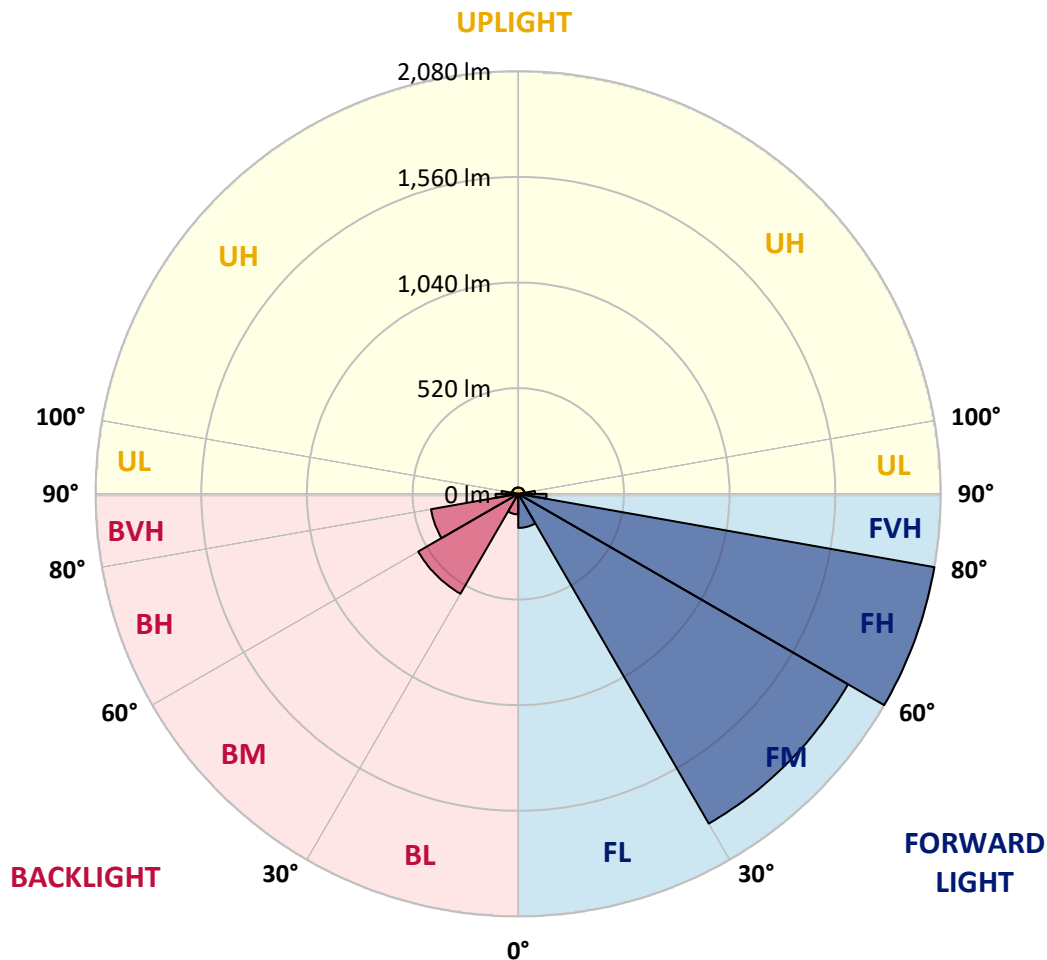


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.9	3.0			
FM (30°-60°)	1873.8	33.5			
FH (60°-80°)	2079.5	37.2			G2/5000
FVH (80°-90°)	139.1	2.5			G2/225
BL (0°-30°)	100.9	1.8	B0/110		
BM (30°-60°)	568.1	10.2	B1/1000		
BH (60°-80°)	436.2	7.8	B1/500		G1/500
BVH (80°-90°)	111.2	2.0			G2/225
UL (90°-100°)	82.2	1.5		U3/500	
UH (100°-180°)	31.1	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	3.9	3.9	5.9	5.9	3.9	3.9	3.9	3.9	3.9
7.5°	5.9	3.9	3.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9
10°	33.3	35.2	23.5	13.7	9.8	5.9	5.9	5.9	5.9	5.9	5.9
12.5°	180.0	178.0	174.1	121.3	43.0	13.7	9.8	17.6	21.5	27.4	39.1
15°	203.5	205.4	199.5	197.6	185.8	70.4	37.2	164.3	180.0	181.9	181.9
17.5°	283.7	281.7	254.3	223.0	209.3	217.1	174.1	195.6	203.5	207.4	209.3
20°	477.3	475.4	469.5	401.0	258.2	316.9	307.1	232.8	246.5	316.9	403.0
22.5°	532.1	528.2	520.4	500.8	518.4	361.9	352.1	408.9	444.1	465.6	463.6
25°	815.8	823.6	678.8	563.4	573.2	494.9	532.1	528.2	518.4	522.3	528.2
27.5°	907.7	899.9	888.2	831.4	637.7	673.0	606.4	674.9	737.5	772.7	763.0
30°	1164.0	1162.0	1023.1	925.3	837.3	729.7	755.1	851.0	829.5	835.3	804.0
32.5°	1359.6	1357.7	1338.1	1142.5	948.8	825.6	896.0	899.9	954.7	1062.3	1072.0
35°	1435.9	1428.1	1414.4	1271.6	1079.9	972.3	946.8	1113.1	1144.4	1148.3	1121.0
37.5°	1514.2	1504.4	1492.6	1334.2	1209.0	1031.0	1085.7	1212.9	1212.9	1238.3	1169.9
40°	1559.2	1559.2	1557.2	1387.0	1267.7	1083.8	1154.2	1289.2	1285.3	1302.9	1238.3
42.5°	1615.9	1610.0	1631.5	1441.8	1328.3	1138.6	1220.7	1361.6	1373.3	1418.3	1330.3
45°	1696.1	1703.9	1713.7	1559.2	1410.5	1218.8	1299.0	1475.0	1486.8	1547.4	1463.3
47.5°	1784.1	1793.9	1829.1	1682.4	1543.5	1320.5	1365.5	1604.2	1631.5	1705.9	1631.5
50°	1893.7	1895.6	1946.5	1805.7	1713.7	1465.3	1486.8	1729.4	1801.7	1868.3	1823.3
52.5°	1971.9	1979.8	2042.4	1964.1	1870.2	1639.4	1662.8	1891.7	2005.2	2087.4	2030.6
55°	2040.4	2046.3	2105.0	2085.4	2001.3	1772.4	1891.7	2110.8	2238.0	2308.4	2284.9
57.5°	2065.8	2071.7	2159.7	2175.4	2134.3	1940.6	2132.4	2328.0	2498.2	2576.4	2537.3
60°	2048.2	2048.2	2155.8	2239.9	2281.0	2126.5	2386.7	2572.5	2803.4	2856.2	2869.9
62.5°	1989.5	2005.2	2136.3	2267.3	2386.7	2308.4	2644.9	2875.7	3089.0	3137.9	3106.6
65°	1860.4	1864.3	2003.2	2208.6	2398.4	2506.0	2975.5	3132.0	3372.6	3355.0	3222.0
67.5°	1615.9	1588.5	1709.8	1999.3	2269.3	2607.7	3251.3	3349.2	3550.7	3492.0	3192.7
70°	1128.8	1117.0	1265.7	1520.0	1913.2	2549.0	3429.4	3492.0	3644.6	3531.1	2979.4
72.5°	536.0	579.1	653.4	870.5	1326.4	2151.9	3380.5	3478.3	3546.7	3417.6	2588.2
75°	234.8	240.6	279.7	395.2	682.7	1359.6	2957.9	3124.2	3192.7	3045.9	2038.4
77.5°	168.2	168.2	185.8	215.2	311.0	649.5	2015.0	2474.7	2562.7	2419.9	1428.1
80°	131.1	131.1	144.8	164.3	193.7	268.0	1255.9	1658.9	1690.2	1479.0	796.2
82.5°	97.8	101.7	113.5	123.2	142.8	183.9	538.0	852.9	874.5	686.7	416.7
85°	70.4	70.4	78.3	78.3	93.9	142.8	277.8	313.0	311.0	275.8	258.2
87.5°	23.5	23.5	19.6	23.5	39.1	90.0	174.1	176.1	168.2	191.7	217.1
90°	27.4	27.4	19.6	21.5	29.3	82.2	168.2	168.2	160.4	172.2	217.1
92.5°	29.3	29.3	21.5	21.5	25.4	72.4	170.2	178.0	168.2	174.1	215.2
95°	29.3	29.3	21.5	19.6	23.5	48.9	164.3	164.3	158.5	154.5	170.2
97.5°	17.6	17.6	13.7	15.7	19.6	25.4	97.8	101.7	90.0	70.4	91.9
100°	11.7	11.7	9.8	11.7	13.7	13.7	47.0	48.9	37.2	17.6	19.6
102.5°	11.7	11.7	7.8	9.8	7.8	7.8	13.7	17.6	11.7	11.7	15.7
105°	11.7	13.7	5.9	5.9	5.9	5.9	5.9	11.7	9.8	9.8	15.7
107.5°	11.7	11.7	5.9	5.9	5.9	5.9	3.9	5.9	7.8	9.8	17.6
110°	5.9	7.8	3.9	5.9	3.9	5.9	3.9	5.9	7.8	7.8	13.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.9	3.9	2.0	3.9	3.9	3.9	3.9	5.9	5.9	5.9	9.8
115°	3.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9	9.8
117.5°	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	3.9	5.9	9.8
120°	5.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	5.9	5.9	9.8
122.5°	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
125°	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
127.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
130°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	7.8
132.5°	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	7.8
135°	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	5.9
137.5°	3.9	3.9	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	5.9	5.9	3.9	3.9	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	3.9	3.9	3.9	3.9	5.9
150°	5.9	5.9	5.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9
7.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
10°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9
12.5°	35.2	35.2	27.4	13.7	5.9	3.9	3.9	3.9	5.9	9.8	7.8
15°	185.8	185.8	181.9	166.3	35.2	9.8	7.8	17.6	78.3	140.9	142.8
17.5°	213.2	211.3	207.4	197.6	176.1	62.6	60.6	164.3	176.1	183.9	185.8
20°	401.0	397.1	307.1	219.1	191.7	189.8	166.3	185.8	191.7	195.6	197.6
22.5°	457.8	451.9	430.4	379.5	219.1	258.2	242.6	201.5	301.3	322.8	322.8
25°	526.2	510.6	467.6	408.9	373.7	271.9	279.7	293.4	311.0	315.0	315.0
27.5°	749.3	735.6	673.0	449.9	401.0	320.8	324.7	297.4	313.0	358.0	363.9
30°	784.5	763.0	706.2	555.6	416.7	360.0	311.0	348.2	365.8	363.9	365.8
32.5°	1044.7	1023.1	907.7	571.2	448.0	338.4	340.4	348.2	360.0	379.5	393.2
35°	1085.7	1062.3	931.2	649.5	428.4	336.5	336.5	352.1	405.0	412.8	412.8
37.5°	1130.7	1111.2	921.4	606.4	432.3	336.5	326.7	360.0	381.5	379.5	379.5
40°	1209.0	1177.7	896.0	553.6	393.2	322.8	326.7	338.4	350.2	338.4	332.6
42.5°	1300.9	1244.2	862.7	498.9	361.9	305.2	309.1	313.0	313.0	291.5	289.5
45°	1418.3	1312.7	817.7	448.0	332.6	283.7	293.4	287.6	287.6	270.0	268.0
47.5°	1551.3	1383.1	763.0	403.0	307.1	264.1	277.8	271.9	275.8	260.2	258.2
50°	1705.9	1475.0	710.1	369.7	285.6	254.3	262.1	270.0	275.8	256.3	254.3
52.5°	1868.3	1565.0	673.0	332.6	266.1	242.6	268.0	270.0	273.9	254.3	254.3
55°	2067.8	1676.5	628.0	305.2	252.4	232.8	281.7	281.7	275.8	258.2	256.3
57.5°	2283.0	1788.0	543.8	279.7	240.6	226.9	287.6	297.4	283.7	262.1	262.1
60°	2482.5	1899.6	448.0	260.2	228.9	225.0	291.5	305.2	293.4	273.9	273.9
62.5°	2635.1	1954.3	375.6	244.5	215.2	219.1	289.5	320.8	316.9	307.1	307.1
65°	2652.7	1905.4	315.0	230.8	203.5	217.1	285.6	336.5	338.4	354.1	356.0
67.5°	2558.8	1748.9	268.0	219.1	193.7	211.3	287.6	369.7	379.5	408.9	405.0
70°	2300.6	1494.6	232.8	205.4	185.8	213.2	322.8	410.8	408.9	446.0	449.9
72.5°	1921.1	1183.6	211.3	197.6	189.8	228.9	363.9	422.6	414.7	455.8	451.9
75°	1457.4	835.3	193.7	187.8	183.9	232.8	373.7	410.8	395.2	422.6	418.6
77.5°	958.6	549.7	176.1	176.1	178.0	223.0	358.0	391.3	371.7	389.3	387.3
80°	539.9	326.7	158.5	166.3	170.2	213.2	334.5	363.9	344.3	358.0	358.0
82.5°	324.7	232.8	138.9	152.6	156.5	211.3	313.0	338.4	320.8	328.7	318.9
85°	221.1	170.2	109.6	129.1	146.7	203.5	295.4	313.0	281.7	275.8	268.0
87.5°	180.0	133.0	60.6	82.2	109.6	174.1	234.8	236.7	207.4	203.5	201.5
90°	176.1	123.2	43.0	45.0	72.4	121.3	154.5	148.7	138.9	140.9	138.9
92.5°	172.2	117.4	47.0	48.9	72.4	95.9	131.1	129.1	119.3	129.1	127.2
95°	146.7	101.7	48.9	52.8	62.6	58.7	95.9	101.7	93.9	99.8	101.7
97.5°	76.3	54.8	47.0	52.8	47.0	35.2	56.7	64.6	48.9	39.1	43.0
100°	25.4	17.6	47.0	54.8	35.2	25.4	41.1	47.0	29.3	11.7	11.7
102.5°	15.7	15.7	33.3	43.0	25.4	13.7	27.4	33.3	21.5	9.8	9.8
105°	15.7	15.7	13.7	23.5	9.8	7.8	9.8	17.6	11.7	9.8	9.8
107.5°	17.6	15.7	7.8	7.8	7.8	5.9	5.9	7.8	7.8	9.8	9.8
110°	15.7	13.7	7.8	7.8	5.9	5.9	5.9	5.9	7.8	11.7	11.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.8	11.7	7.8	5.9	5.9	5.9	5.9	5.9	7.8	11.7	11.7
115°	9.8	9.8	5.9	5.9	3.9	5.9	5.9	5.9	7.8	11.7	13.7
117.5°	11.7	9.8	5.9	3.9	3.9	3.9	3.9	5.9	7.8	13.7	13.7
120°	11.7	9.8	5.9	5.9	3.9	3.9	3.9	5.9	7.8	13.7	15.7
122.5°	11.7	9.8	5.9	3.9	3.9	3.9	3.9	5.9	7.8	13.7	15.7
125°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	5.9	7.8	13.7	13.7
127.5°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	5.9	7.8	13.7	13.7
130°	9.8	7.8	5.9	3.9	3.9	3.9	3.9	5.9	7.8	11.7	13.7
132.5°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
135°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	7.8	9.8
137.5°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	7.8
140°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9	5.9
142.5°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9	5.9
145°	3.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9	5.9
147.5°	5.9	3.9	3.9	3.9	2.0	2.0	3.9	3.9	3.9	5.9	5.9
150°	5.9	3.9	3.9	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)