

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: P695587

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695587
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5782 lumens
Efficiency: N/A
Efficacy: 93.3 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

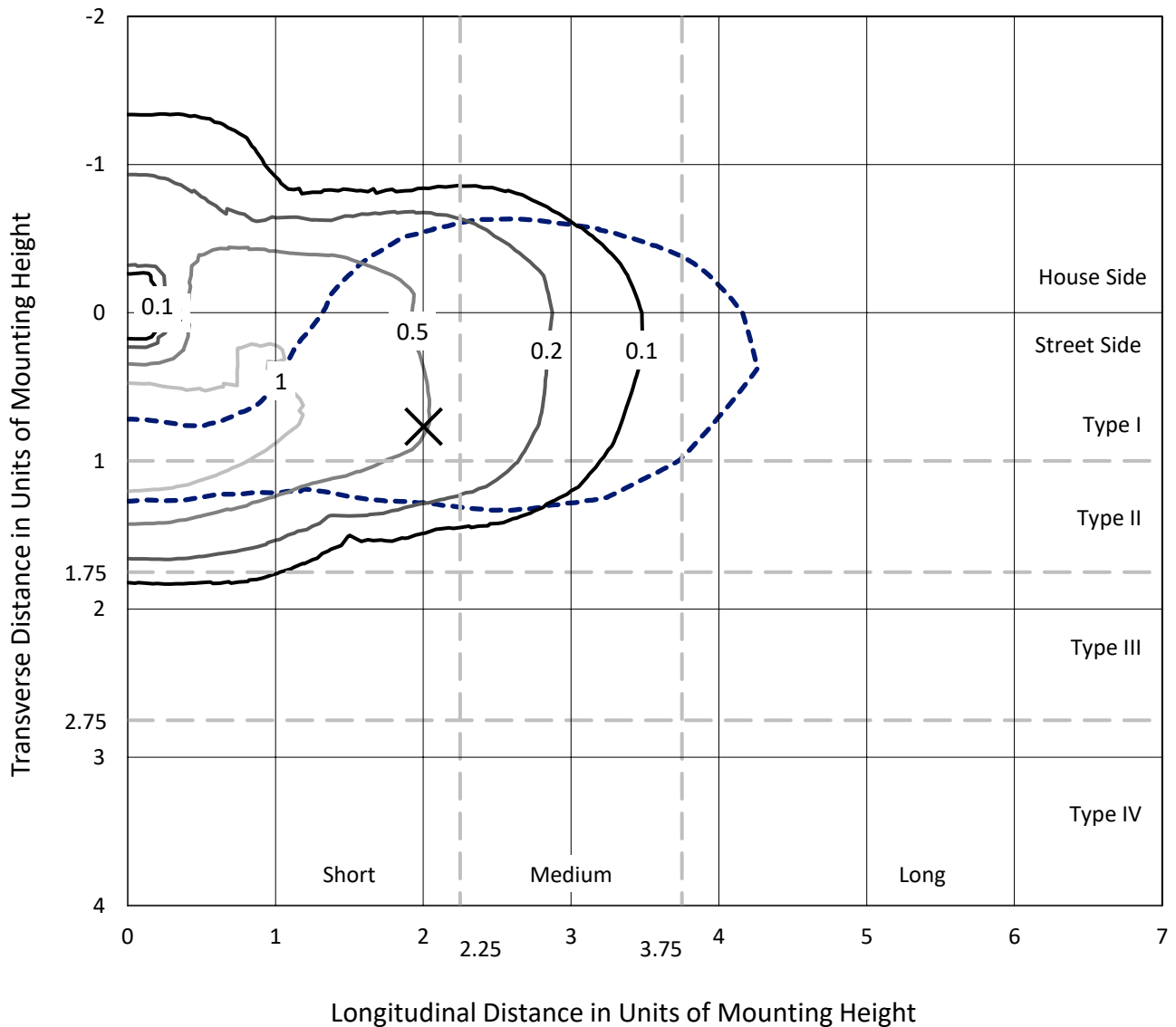
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

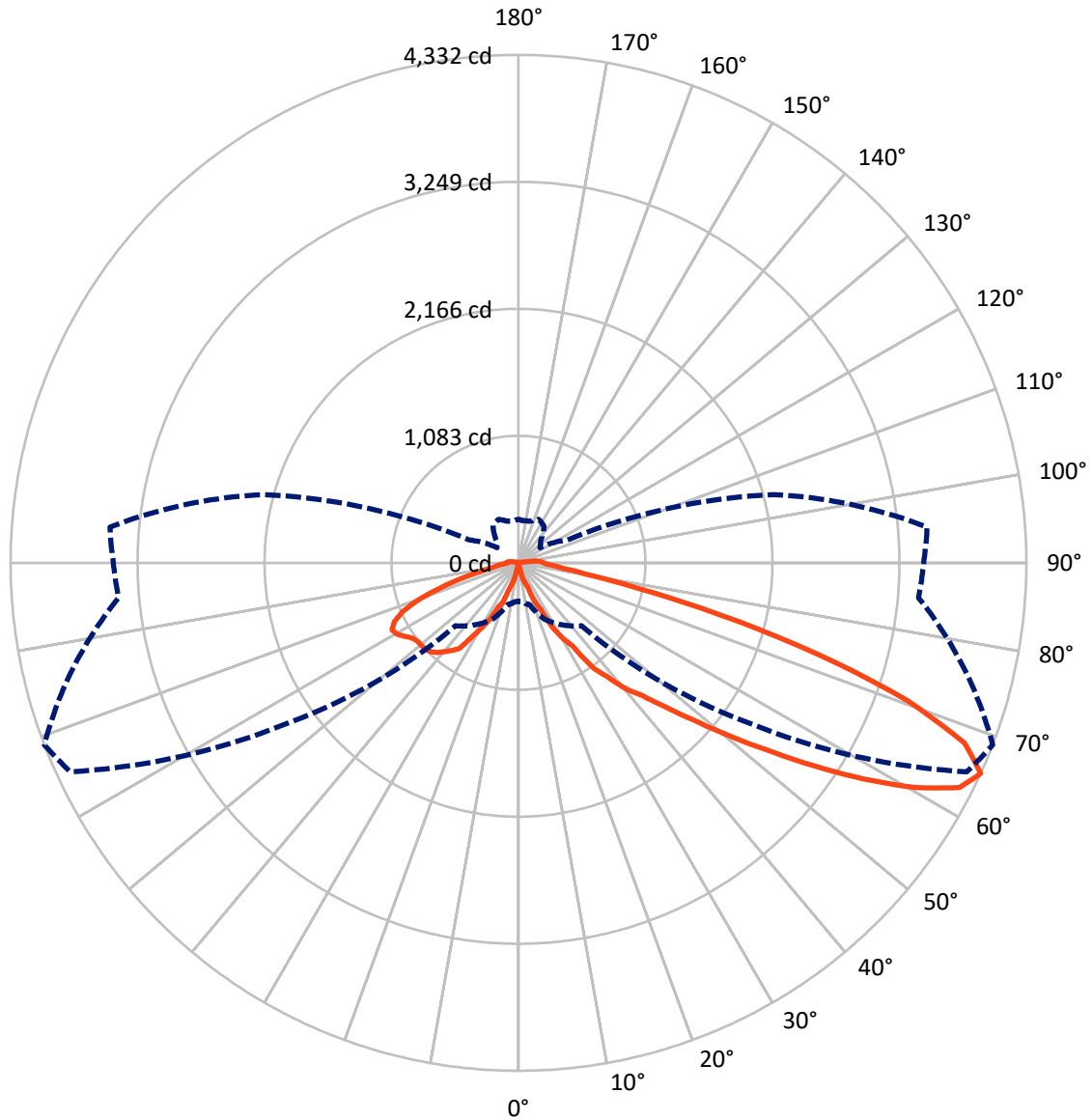
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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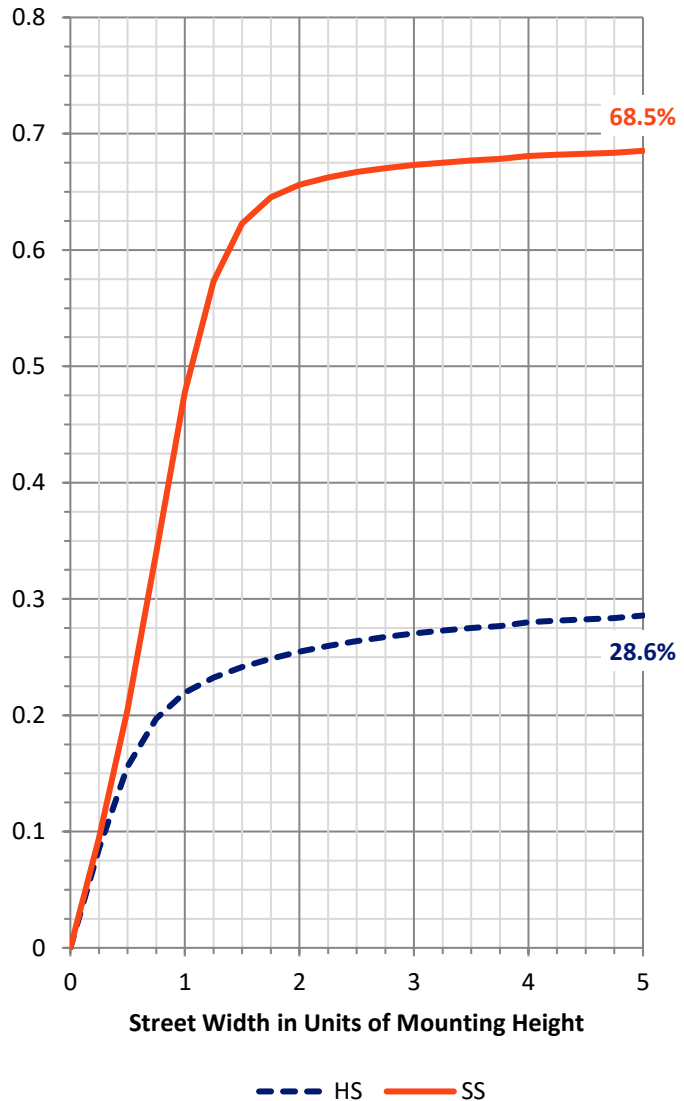
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.1	49.6	1744.7
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	3994.4	43.0	4037.4
	% Fixture	69.1	0.7	69.8
Total	Lumens	5689.4	92.6	5782.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	34.9	0.6
20°-30°	222.7	3.9
30°-40°	611.0	10.6
40°-50°	1089.3	18.8
50°-60°	1413.9	24.5
60°-70°	1352.1	23.4
70°-80°	779.3	13.5
80°-90°	185.8	3.2
90°-100°	65.7	1.1
100°-110°	11.9	0.2
110°-120°	5.7	0.1
120°-130°	4.6	0.1
130°-140°	2.8	0.0
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5689.4	98.4
0°-180°	5782.0	100.0

Coefficient of Utilization

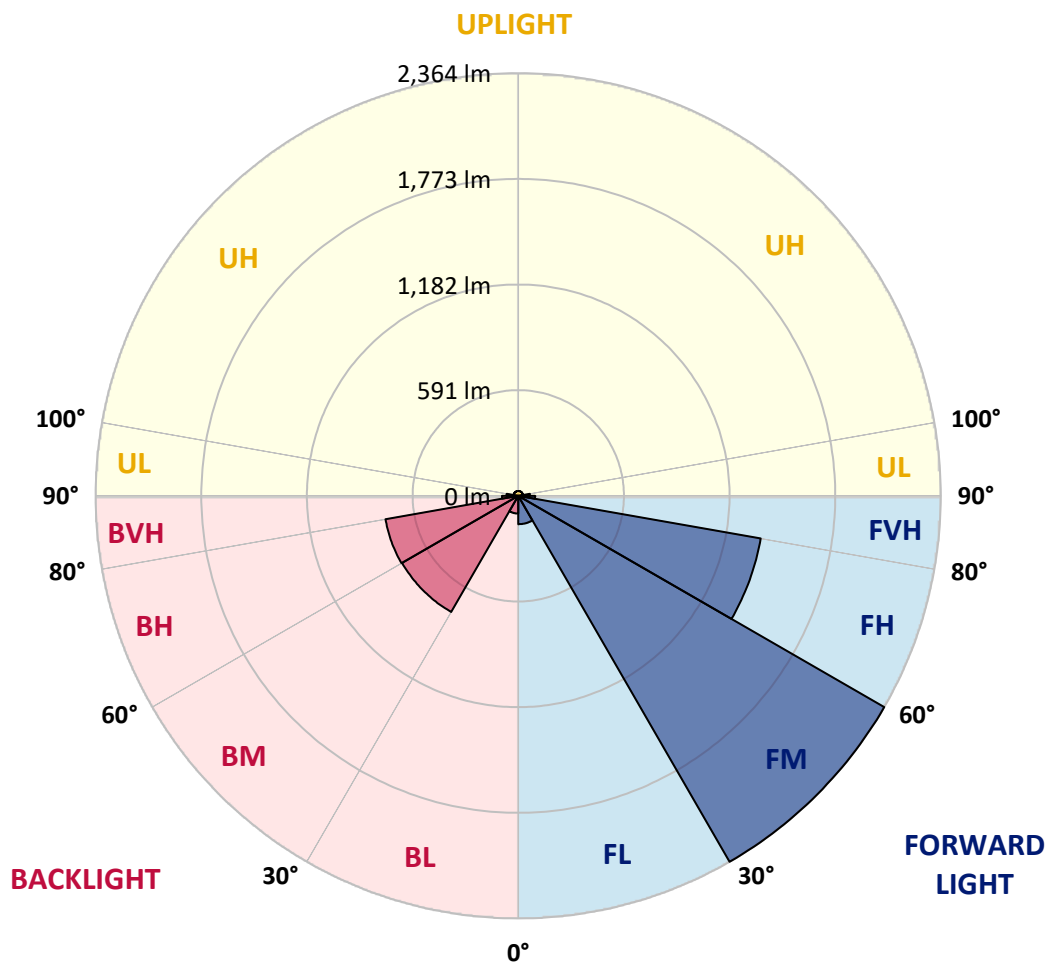


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	158.8	2.7			
FM (30°-60°)	2363.9	40.9			
FH (60°-80°)	1377.1	23.8			G1/1800
FVH (80°-90°)	94.6	1.6			G1/100
BL (0°-30°)	99.2	1.7	B0/110		
BM (30°-60°)	750.4	13.0	B1/1000		
BH (60°-80°)	754.2	13.0	B2/1000		G2/1000
BVH (80°-90°)	91.2	1.6			G1/100
UL (90°-100°)	65.7	1.1		U3/500	
UH (100°-180°)	27.0	0.5		U2/50	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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	2.0	2.0
5°	3.9	3.9	3.9	5.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0
7.5°	7.8	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	2.0	2.0
10°	33.3	27.4	21.5	15.7	9.8	5.9	5.9	3.9	3.9	3.9	3.9
12.5°	144.8	138.9	137.0	129.1	43.0	15.7	9.8	15.7	19.6	27.4	33.3
15°	170.2	168.3	164.3	152.6	144.8	107.6	35.2	133.0	144.8	152.6	154.6
17.5°	311.1	283.7	219.1	189.8	168.3	154.6	146.7	170.2	174.1	178.0	183.9
20°	420.7	420.7	403.0	354.1	215.2	256.3	252.4	203.5	213.3	264.1	332.6
22.5°	526.3	520.4	487.2	450.0	442.2	307.2	293.5	356.1	362.0	395.2	395.2
25°	866.7	866.7	768.9	567.4	530.2	446.1	452.0	455.9	442.2	450.0	469.6
27.5°	1029.1	1015.4	978.3	864.8	657.4	620.2	536.1	534.1	635.9	657.4	671.1
30°	1471.3	1465.4	1256.1	1019.4	888.3	718.0	731.7	747.4	747.4	749.4	727.8
32.5°	1778.5	1786.3	1678.7	1355.9	1042.8	882.4	886.3	827.6	847.2	982.2	992.0
35°	2077.8	2093.5	1944.8	1649.4	1346.1	1093.7	992.0	1064.4	1105.4	1103.5	1078.0
37.5°	2381.1	2369.4	2238.3	1905.7	1577.0	1258.1	1209.1	1252.2	1232.6	1258.1	1177.8
40°	2594.4	2592.4	2475.0	2175.7	1811.7	1485.0	1363.7	1402.8	1416.5	1406.7	1303.1
42.5°	2741.1	2727.4	2678.5	2453.5	2118.9	1786.3	1567.2	1594.6	1547.6	1584.8	1453.7
45°	2801.8	2784.1	2776.3	2606.1	2385.0	2246.1	1856.7	1802.0	1749.1	1823.5	1629.8
47.5°	2719.6	2696.1	2741.1	2688.3	2594.4	2568.9	2195.2	2005.4	1997.6	2054.4	1848.9
50°	2453.5	2412.4	2533.7	2627.6	2694.1	2792.0	2574.8	2330.2	2304.8	2308.7	2054.4
52.5°	2030.9	2032.8	2177.6	2347.8	2655.0	2831.1	2938.7	2739.1	2651.1	2608.1	2261.8
55°	1622.0	1635.7	1745.2	1895.9	2332.2	2792.0	3216.5	3200.9	3052.2	2897.6	2482.8
57.5°	1166.1	1195.4	1363.7	1467.4	1888.1	2518.1	3355.5	3611.8	3482.6	3197.0	2719.6
60°	667.2	702.4	886.3	1121.1	1445.9	2007.4	3287.0	4034.4	3893.5	3512.0	2956.3
62.5°	424.6	434.4	514.6	761.1	945.0	1320.7	2997.4	4290.7	4220.2	3801.5	3212.6
65°	328.7	332.6	371.7	532.2	645.7	759.1	2357.6	4218.3	4331.8	4001.1	3423.9
67.5°	301.3	301.3	313.0	381.5	489.1	479.4	1524.1	3778.1	4102.8	4028.5	3494.4
70°	281.7	285.7	299.3	309.1	385.4	362.0	819.8	2989.6	3521.8	3760.5	3470.9
72.5°	246.5	250.4	268.0	293.5	299.3	293.5	457.8	1987.8	2676.5	3157.8	3281.1
75°	209.3	211.3	223.0	264.1	262.2	236.7	379.6	1187.6	1772.6	2316.5	2782.2
77.5°	172.2	178.0	191.7	213.3	238.7	187.8	338.5	698.5	1011.5	1457.6	1929.1
80°	127.2	131.1	144.8	176.1	191.7	162.4	279.8	453.9	567.4	755.2	929.4
82.5°	92.0	93.9	105.7	127.2	137.0	138.9	219.1	365.9	389.4	416.7	418.7
85°	56.7	54.8	56.7	66.5	84.1	90.0	158.5	291.5	293.5	283.7	279.8
87.5°	25.4	25.4	19.6	23.5	27.4	27.4	82.2	230.9	230.9	219.1	227.0
90°	27.4	27.4	19.6	19.6	21.5	19.6	47.0	195.7	207.4	207.4	228.9
92.5°	29.3	27.4	21.5	19.6	19.6	17.6	29.3	156.5	187.8	207.4	236.7
95°	27.4	27.4	19.6	17.6	17.6	15.7	23.5	107.6	150.7	168.3	201.5
97.5°	19.6	19.6	13.7	13.7	15.7	13.7	17.6	45.0	58.7	76.3	101.7
100°	13.7	13.7	9.8	9.8	9.8	9.8	11.7	19.6	23.5	19.6	23.5
102.5°	11.7	13.7	7.8	7.8	7.8	5.9	7.8	9.8	11.7	13.7	17.6
105°	11.7	11.7	5.9	5.9	5.9	5.9	3.9	7.8	7.8	9.8	17.6
107.5°	7.8	7.8	5.9	5.9	3.9	3.9	3.9	5.9	7.8	9.8	17.6
110°	5.9	5.9	3.9	3.9	3.9	3.9	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°	69°	75°	85°
112.5°	3.9	3.9	3.9	2.0	2.0	3.9	3.9	5.9	5.9	5.9	9.8
115°	3.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	5.9	5.9	9.8
117.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
120°	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
122.5°	5.9	5.9	2.0	2.0	2.0	2.0	2.0	3.9	3.9	5.9	9.8
125°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	3.9	3.9	5.9	7.8
127.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	7.8
130°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	7.8
132.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9
135°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
137.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9
140°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	3.9	5.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	5.9	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	5.9	5.9	5.9	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9
7.5°	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9	3.9
10°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
12.5°	31.3	29.3	25.4	13.7	5.9	3.9	3.9	3.9	5.9	7.8	7.8
15°	158.5	160.4	156.5	140.9	35.2	9.8	5.9	17.6	66.5	115.4	80.2
17.5°	183.9	185.9	182.0	178.0	162.4	72.4	47.0	154.6	160.4	172.2	168.3
20°	338.5	334.6	279.8	207.4	187.8	174.1	146.7	178.0	187.8	191.7	191.7
22.5°	393.3	391.3	383.5	362.0	223.0	260.2	232.8	195.7	320.9	336.5	334.6
25°	455.9	444.1	422.6	403.0	385.4	285.7	287.6	311.1	328.7	330.7	330.7
27.5°	653.5	637.8	602.6	500.9	452.0	356.1	360.0	318.9	320.9	385.4	397.2
30°	710.2	684.8	647.6	628.0	520.4	418.7	344.3	365.9	377.6	375.7	379.6
32.5°	947.0	909.8	780.7	702.4	573.3	405.0	360.0	354.1	354.1	385.4	389.4
35°	1021.3	966.5	896.1	876.5	583.0	397.2	340.4	346.3	391.3	397.2	395.2
37.5°	1109.4	1033.0	962.6	915.7	610.4	367.8	322.8	348.3	362.0	362.0	360.0
40°	1207.2	1130.9	1058.5	927.4	581.1	338.5	324.8	330.7	340.4	334.6	332.6
42.5°	1350.0	1248.3	1183.7	927.4	506.7	320.9	317.0	317.0	324.8	318.9	317.0
45°	1524.1	1406.7	1289.4	913.7	430.4	311.1	313.0	311.1	318.9	311.1	309.1
47.5°	1708.1	1586.7	1385.2	880.4	371.7	303.3	318.9	309.1	311.1	299.3	297.4
50°	1917.4	1786.3	1485.0	821.7	338.5	303.3	317.0	311.1	305.2	293.5	291.5
52.5°	2128.7	1995.7	1602.4	749.4	315.0	297.4	318.9	317.0	309.1	291.5	291.5
55°	2345.9	2253.9	1737.4	686.7	289.6	295.4	328.7	328.7	313.0	289.6	287.6
57.5°	2578.7	2516.1	1886.1	663.3	266.1	283.7	344.3	348.3	318.9	287.6	287.6
60°	2850.7	2876.1	2044.6	635.9	250.4	273.9	352.2	365.9	326.7	287.6	287.6
62.5°	3189.1	3261.5	2193.3	573.3	236.7	260.2	360.0	385.4	350.2	320.9	322.8
65°	3455.2	3498.3	2246.1	459.8	223.0	266.1	379.6	408.9	365.9	362.0	371.7
67.5°	3602.0	3582.4	2165.9	350.2	207.4	262.2	373.7	424.6	383.5	393.3	399.1
70°	3598.1	3455.2	1899.8	270.0	193.7	258.3	379.6	418.7	393.3	420.7	438.3
72.5°	3347.6	3022.8	1440.0	234.8	193.7	254.3	369.8	403.0	395.2	422.6	436.3
75°	2690.2	2297.0	988.0	205.4	183.9	242.6	352.2	375.7	360.0	383.5	391.3
77.5°	1782.4	1510.4	551.7	185.9	182.0	223.0	320.9	332.6	315.0	330.7	336.5
80°	835.4	696.5	307.2	172.2	176.1	197.6	264.1	281.7	254.3	270.0	270.0
82.5°	383.5	354.1	232.8	156.5	158.5	150.7	205.4	232.8	207.4	215.2	207.4
85°	258.3	260.2	185.9	133.0	129.1	107.6	162.4	180.0	156.5	162.4	137.0
87.5°	225.0	230.9	148.7	86.1	74.3	66.5	105.7	109.6	80.2	66.5	64.6
90°	230.9	232.8	137.0	64.6	45.0	35.2	56.7	54.8	35.2	31.3	31.3
92.5°	238.7	238.7	138.9	68.5	45.0	33.3	50.9	41.1	31.3	27.4	27.4
95°	217.2	205.4	121.3	68.5	43.0	29.3	41.1	35.2	27.4	27.4	25.4
97.5°	133.0	121.3	90.0	68.5	35.2	25.4	31.3	27.4	19.6	17.6	17.6
100°	37.2	31.3	56.7	54.8	25.4	17.6	21.5	17.6	11.7	9.8	7.8
102.5°	17.6	17.6	29.3	35.2	13.7	9.8	11.7	11.7	9.8	9.8	7.8
105°	17.6	17.6	13.7	15.7	7.8	5.9	5.9	7.8	7.8	9.8	9.8
107.5°	17.6	19.6	11.7	7.8	7.8	5.9	3.9	5.9	7.8	9.8	11.7
110°	15.7	15.7	9.8	7.8	5.9	5.9	3.9	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°	11.7	11.7	7.8	7.8	5.9	5.9	3.9	3.9	7.8	11.7	13.7
115°	9.8	9.8	7.8	5.9	3.9	3.9	3.9	3.9	7.8	13.7	15.7
117.5°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	15.7	15.7
120°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	5.9	9.8	15.7	17.6
122.5°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	5.9	9.8	15.7	17.6
125°	9.8	9.8	5.9	3.9	3.9	3.9	3.9	5.9	9.8	15.7	15.7
127.5°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	13.7	15.7
130°	7.8	7.8	5.9	3.9	3.9	3.9	3.9	3.9	7.8	13.7	13.7
132.5°	5.9	5.9	3.9	3.9	3.9	2.0	3.9	3.9	7.8	11.7	11.7
135°	3.9	3.9	3.9	2.0	2.0	2.0	3.9	3.9	5.9	7.8	9.8
137.5°	3.9	3.9	2.0	2.0	3.9	3.9	3.9	3.9	5.9	5.9	5.9
140°	2.0	2.0	2.0	2.0	3.9	3.9	3.9	3.9	3.9	5.9	5.9
142.5°	2.0	2.0	2.0	2.0	3.9	2.0	3.9	3.9	3.9	5.9	5.9
145°	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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)