

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: P695859

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695859
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6202 lumens
Efficiency: N/A
Efficacy: 86.1 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

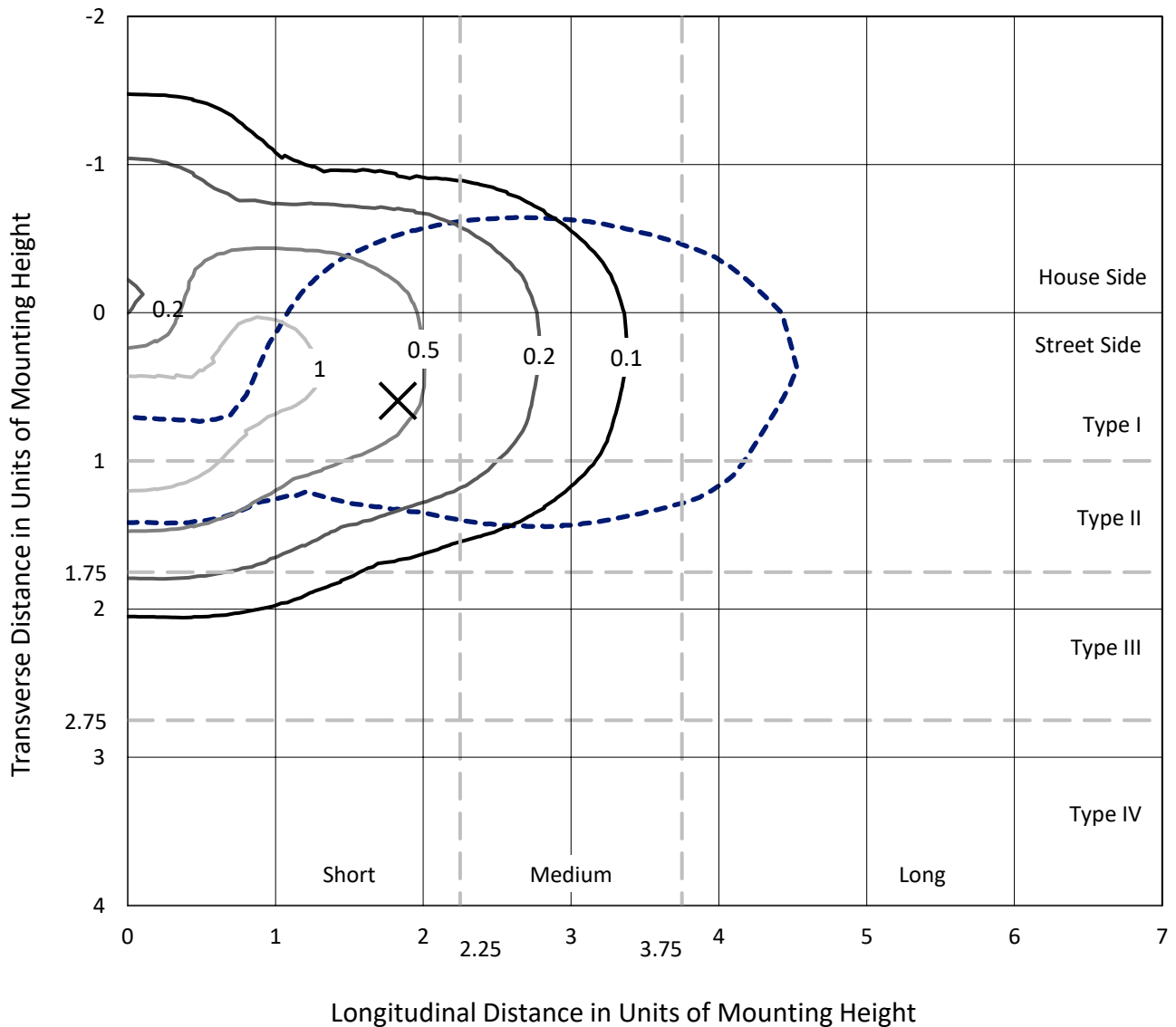
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

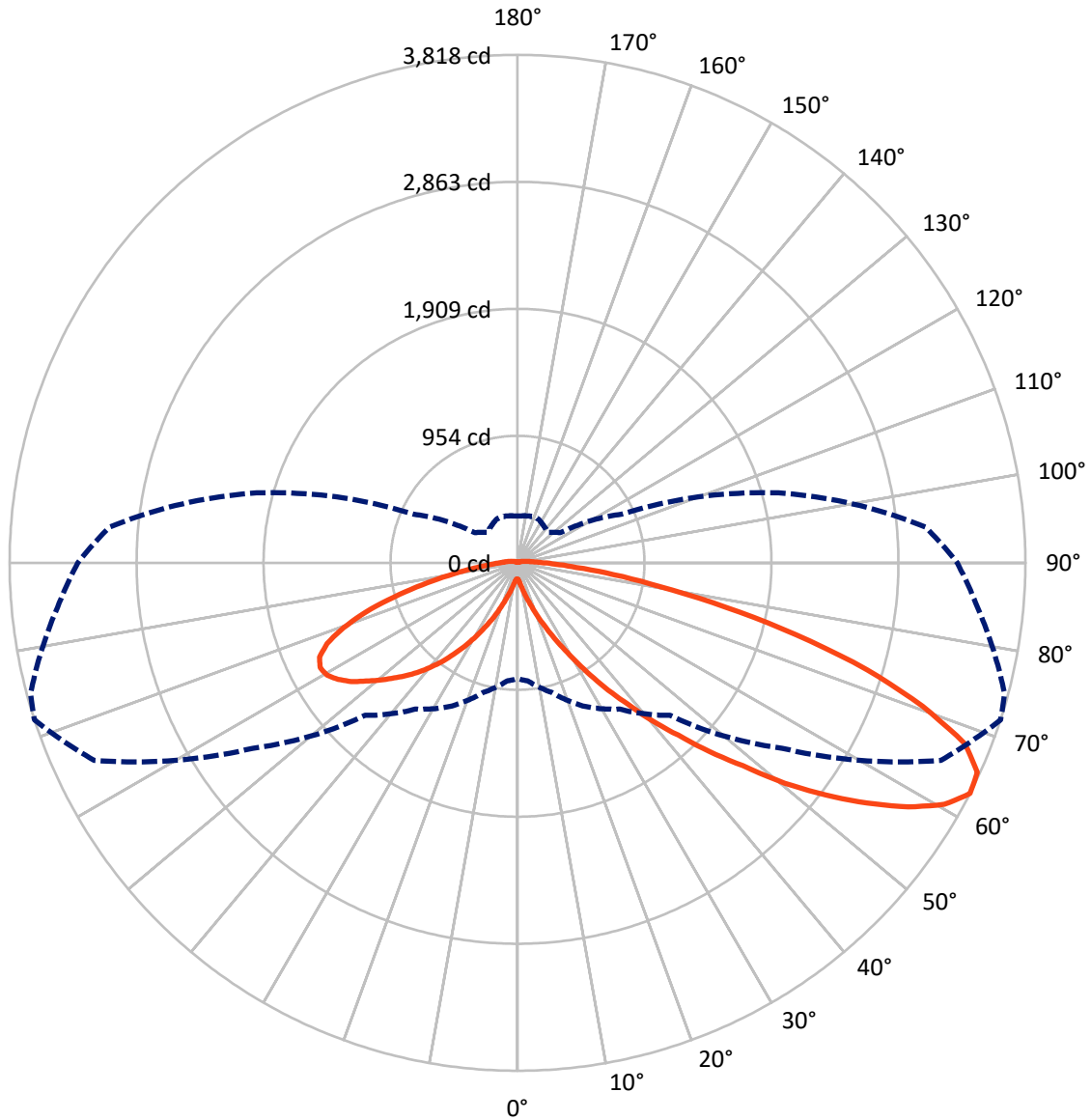
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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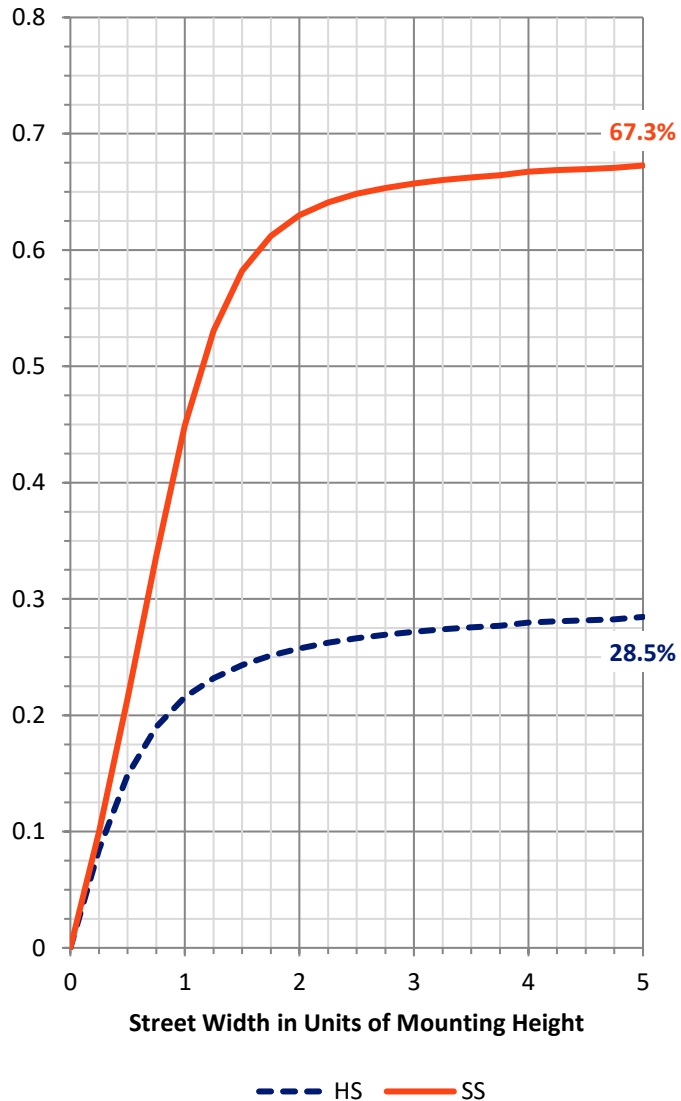
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1818.4	92.5	1910.9
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	4216.1	75.0	4291.1
	% Fixture	68.0	1.2	69.2
Total	Lumens	6034.5	167.5	6202.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.2
10°-20°	78.3	1.3
20°-30°	258.5	4.2
30°-40°	617.5	10.0
40°-50°	1097.9	17.7
50°-60°	1451.7	23.4
60°-70°	1394.7	22.5
70°-80°	846.6	13.7
80°-90°	274.7	4.4
90°-100°	84.4	1.4
100°-110°	39.4	0.6
110°-120°	20.5	0.3
120°-130°	12.1	0.2
130°-140°	7.3	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6034.5	97.3
0°-180°	6202.0	100.0

Coefficient of Utilization

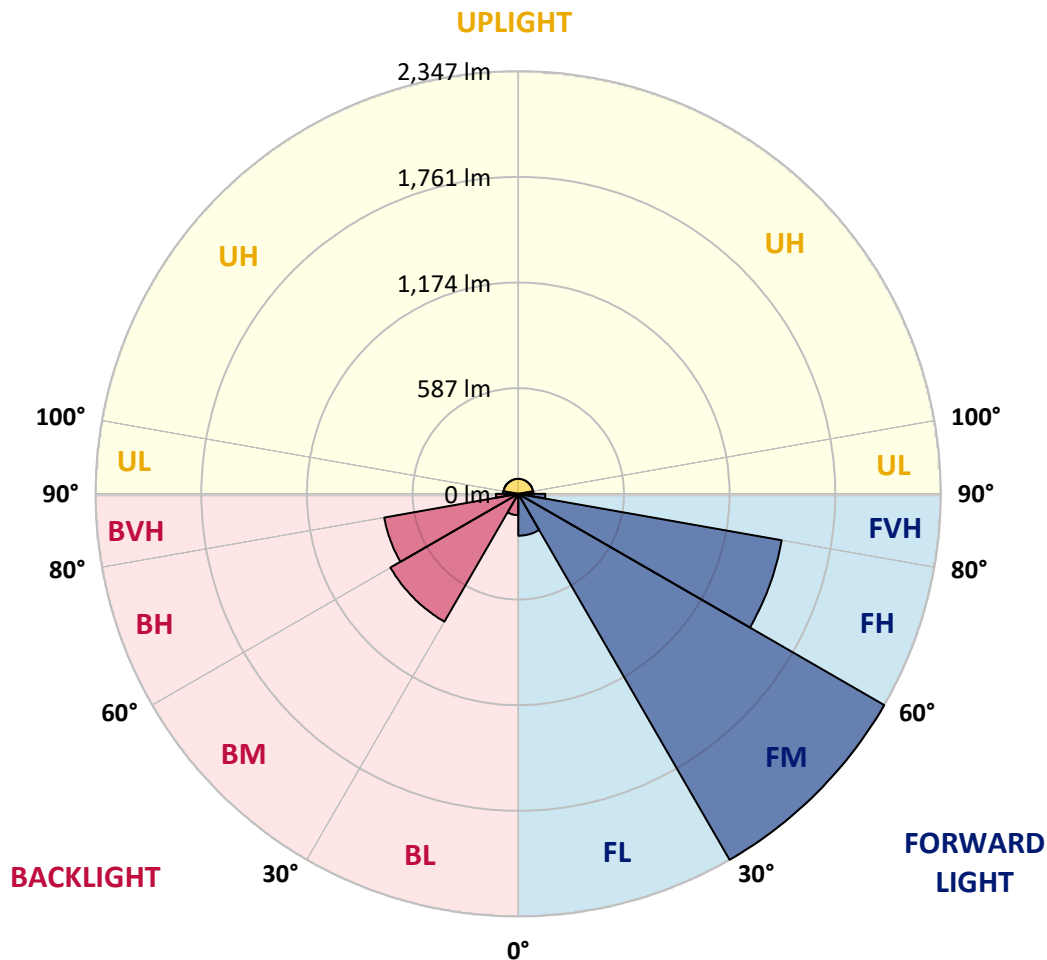


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.6	3.8			
FM (30°-60°)	2347.4	37.8			
FH (60°-80°)	1485.8	24.0			G1/1800
FVH (80°-90°)	150.3	2.4			G2/225
BL (0°-30°)	118.6	1.9	B1/500		
BM (30°-60°)	819.8	13.2	B1/1000		
BH (60°-80°)	755.6	12.2	B2/1000		G2/1000
BVH (80°-90°)	124.4	2.0			G2/225
UL (90°-100°)	84.4	1.4		U3/500	
UH (100°-180°)	83.1	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9
2.5°	136.9	139.1	136.9	139.1	136.9	134.7	134.7	130.4	130.4	128.2	126.0
5°	163.0	165.1	165.1	163.0	158.6	156.5	149.9	147.8	143.4	141.2	136.9
7.5°	199.9	197.7	199.9	193.4	191.2	186.9	178.2	171.7	165.1	163.0	156.5
10°	247.7	245.5	243.4	239.0	232.5	223.8	215.1	202.1	197.7	195.6	184.7
12.5°	304.2	308.6	302.0	295.5	284.7	273.8	258.6	243.4	236.8	234.7	217.3
15°	386.8	386.8	378.1	367.2	345.5	328.1	312.9	297.7	286.8	282.5	267.3
17.5°	491.1	484.6	473.7	447.6	428.1	399.8	382.4	358.5	347.7	345.5	325.9
20°	606.2	610.6	586.7	554.1	517.2	482.4	456.3	432.4	421.5	419.4	395.5
22.5°	758.3	758.3	725.8	682.3	621.5	573.7	543.2	519.3	504.1	495.4	480.2
25°	934.4	934.4	897.4	812.7	747.5	682.3	638.8	612.8	606.2	597.6	575.8
27.5°	1145.1	1151.6	1082.1	997.4	877.9	799.6	747.5	732.3	719.2	723.6	680.1
30°	1388.5	1377.6	1303.8	1173.4	1036.5	934.4	882.2	860.5	851.8	854.0	814.8
32.5°	1621.0	1603.6	1536.3	1386.3	1203.8	1088.6	1030.0	1012.6	1006.1	997.4	949.6
35°	1890.4	1875.2	1779.6	1597.1	1395.0	1245.1	1175.5	1175.5	1175.5	1164.7	1095.2
37.5°	2151.2	2122.9	2018.6	1818.7	1584.1	1414.6	1355.9	1364.6	1351.6	1336.3	1258.1
40°	2359.8	2340.2	2240.3	2036.0	1777.4	1599.3	1542.8	1555.8	1562.3	1540.6	1432.0
42.5°	2507.5	2498.9	2418.5	2227.2	1951.3	1781.8	1760.1	1775.3	1770.9	1747.0	1627.5
45°	2579.3	2570.6	2518.4	2362.0	2120.8	1962.1	1964.3	2031.7	2020.8	1994.7	1823.1
47.5°	2540.1	2551.0	2531.4	2433.7	2227.2	2114.2	2175.1	2294.6	2279.4	2255.5	2044.7
50°	2422.8	2418.5	2448.9	2414.1	2268.5	2216.4	2381.5	2598.8	2603.2	2540.1	2298.9
52.5°	2177.3	2188.1	2275.0	2294.6	2233.8	2255.5	2555.4	2892.2	2900.8	2824.8	2542.3
55°	1886.1	1883.9	1996.9	2096.9	2101.2	2212.0	2655.3	3144.2	3187.7	3131.2	2803.1
57.5°	1499.3	1538.4	1655.8	1814.4	1892.6	2079.5	2690.1	3370.2	3461.5	3383.2	3037.7
60°	1160.3	1190.8	1332.0	1503.7	1629.7	1877.4	2603.2	3494.1	3687.4	3633.1	3289.8
62.5°	871.3	890.9	1010.4	1190.8	1342.9	1621.0	2429.3	3511.4	3817.8	3789.6	3457.1
65°	641.0	651.9	767.0	923.5	1073.4	1314.6	2116.4	3363.7	3798.3	3817.8	3572.3
67.5°	465.0	482.4	567.1	706.2	834.4	1053.9	1775.3	3046.4	3626.6	3683.1	3531.0
70°	367.2	375.9	434.6	543.2	636.7	804.0	1432.0	2609.7	3231.1	3359.3	3324.6
72.5°	295.5	299.9	345.5	428.1	488.9	610.6	1082.1	2109.9	2748.7	2896.5	2976.9
75°	243.4	247.7	284.7	341.1	389.0	456.3	793.1	1597.1	2159.9	2320.7	2494.5
77.5°	193.4	202.1	230.3	273.8	308.6	347.7	556.3	1153.8	1597.1	1723.1	1925.2
80°	154.3	158.6	184.7	219.5	245.5	273.8	408.5	764.9	1079.9	1236.4	1388.5
82.5°	117.3	121.7	141.2	169.5	191.2	210.8	291.2	504.1	725.8	804.0	888.7
85°	84.7	84.7	104.3	128.2	147.8	167.3	212.9	328.1	443.3	488.9	547.6
87.5°	56.5	58.7	71.7	93.4	115.2	130.4	156.5	215.1	282.5	297.7	336.8
90°	39.1	41.3	50.0	67.4	86.9	102.1	117.3	147.8	178.2	193.4	221.6
92.5°	28.2	30.4	39.1	50.0	67.4	82.6	93.4	106.5	126.0	136.9	152.1
95°	21.7	23.9	30.4	41.3	54.3	67.4	76.1	82.6	95.6	102.1	113.0
97.5°	19.6	19.6	26.1	34.8	45.6	56.5	63.0	67.4	76.1	80.4	89.1
100°	17.4	17.4	21.7	30.4	39.1	47.8	52.2	54.3	60.8	63.0	69.5
102.5°	15.2	15.2	19.6	26.1	34.8	41.3	45.6	45.6	50.0	50.0	54.3
105°	13.0	13.0	17.4	23.9	30.4	36.9	39.1	39.1	39.1	41.3	41.3
107.5°	13.0	13.0	15.2	21.7	26.1	32.6	34.8	32.6	32.6	32.6	32.6
110°	10.9	10.9	15.2	19.6	23.9	28.2	28.2	28.2	26.1	26.1	26.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.9	10.9	13.0	17.4	21.7	23.9	26.1	23.9	21.7	21.7	21.7
115°	10.9	10.9	13.0	15.2	19.6	21.7	21.7	19.6	17.4	17.4	17.4
117.5°	8.7	10.9	10.9	15.2	17.4	19.6	19.6	17.4	15.2	15.2	15.2
120°	8.7	8.7	10.9	13.0	15.2	17.4	17.4	15.2	13.0	13.0	15.2
122.5°	8.7	8.7	10.9	13.0	15.2	15.2	15.2	13.0	13.0	13.0	13.0
125°	8.7	8.7	8.7	10.9	13.0	15.2	13.0	13.0	10.9	10.9	13.0
127.5°	8.7	8.7	8.7	10.9	13.0	13.0	13.0	10.9	10.9	10.9	10.9
130°	8.7	8.7	8.7	8.7	10.9	10.9	10.9	10.9	8.7	8.7	10.9
132.5°	8.7	8.7	8.7	8.7	10.9	10.9	10.9	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	6.5	8.7	8.7
137.5°	8.7	8.7	6.5	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	6.5	6.5
145°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9	123.9
2.5°	126.0	123.9	121.7	119.5	119.5	117.3	117.3	115.2	115.2	115.2	115.2
5°	134.7	132.5	128.2	123.9	119.5	117.3	113.0	110.8	110.8	108.6	108.6
7.5°	154.3	147.8	141.2	134.7	128.2	121.7	117.3	113.0	110.8	110.8	110.8
10°	178.2	173.8	160.8	152.1	143.4	134.7	128.2	121.7	117.3	117.3	115.2
12.5°	215.1	208.6	191.2	180.4	165.1	152.1	143.4	134.7	130.4	128.2	128.2
15°	258.6	249.9	234.7	212.9	193.4	176.0	163.0	156.5	152.1	149.9	149.9
17.5°	317.2	304.2	280.3	254.2	228.2	204.3	191.2	180.4	173.8	176.0	176.0
20°	386.8	371.6	339.0	304.2	267.3	241.2	219.5	208.6	204.3	204.3	204.3
22.5°	462.8	445.4	410.7	362.9	315.1	278.1	249.9	236.8	236.8	236.8	236.8
25°	562.8	532.4	488.9	425.9	362.9	310.7	280.3	269.4	269.4	271.6	273.8
27.5°	658.4	638.8	573.7	493.3	412.9	345.5	306.4	295.5	302.0	306.4	308.6
30°	780.1	745.3	667.1	562.8	458.5	373.7	330.3	321.6	332.5	339.0	341.1
32.5°	914.8	867.0	767.0	638.8	499.8	395.5	347.7	343.3	354.2	365.1	365.1
35°	1051.7	995.2	869.2	712.7	532.4	408.5	358.5	358.5	371.6	382.4	382.4
37.5°	1201.6	1125.6	980.0	775.7	558.4	415.0	365.1	367.2	382.4	389.0	391.1
40°	1360.2	1273.3	1084.3	834.4	571.5	412.9	367.2	373.7	384.6	391.1	391.1
42.5°	1525.4	1427.6	1197.3	877.9	573.7	408.5	365.1	373.7	384.6	386.8	386.8
45°	1712.3	1597.1	1305.9	910.5	565.0	399.8	362.9	373.7	380.3	378.1	378.1
47.5°	1918.7	1777.4	1410.2	936.5	547.6	389.0	360.7	373.7	375.9	371.6	369.4
50°	2151.2	1977.4	1531.9	947.4	528.0	378.1	358.5	371.6	371.6	362.9	362.9
52.5°	2392.4	2207.7	1655.8	949.6	504.1	367.2	358.5	371.6	369.4	356.4	356.4
55°	2614.0	2433.7	1788.3	947.4	478.0	354.2	354.2	371.6	367.2	354.2	354.2
57.5°	2898.7	2674.9	1899.1	930.0	449.8	345.5	352.0	371.6	365.1	352.0	352.0
60°	3111.6	2896.5	1986.0	906.1	423.7	332.5	347.7	369.4	362.9	352.0	352.0
62.5°	3305.0	3079.0	2029.5	864.8	393.3	321.6	341.1	365.1	362.9	354.2	352.0
65°	3402.8	3157.2	2012.1	801.8	365.1	308.6	334.6	360.7	358.5	352.0	352.0
67.5°	3378.9	3126.8	1914.3	721.4	336.8	295.5	323.8	347.7	349.8	347.7	347.7
70°	3202.9	2924.7	1729.6	621.5	310.7	278.1	310.7	334.6	336.8	336.8	339.0
72.5°	2859.6	2583.6	1490.6	528.0	282.5	260.8	291.2	315.1	319.4	321.6	319.4
75°	2403.2	2122.9	1192.9	436.8	256.4	241.2	269.4	291.2	297.7	297.7	297.7
77.5°	1849.2	1623.2	899.6	349.8	230.3	219.5	245.5	265.1	269.4	271.6	269.4
80°	1312.4	1145.1	634.5	282.5	204.3	197.7	217.3	232.5	236.8	241.2	239.0
82.5°	856.1	764.9	445.4	223.8	176.0	171.7	189.0	199.9	204.3	204.3	202.1
85°	519.3	475.9	293.3	178.2	149.9	145.6	158.6	165.1	167.3	167.3	167.3
87.5°	323.8	293.3	206.4	143.4	126.0	123.9	130.4	132.5	139.1	136.9	134.7
90°	208.6	195.6	152.1	113.0	102.1	102.1	106.5	106.5	110.8	110.8	106.5
92.5°	149.9	143.4	117.3	93.4	84.7	86.9	89.1	86.9	89.1	89.1	89.1
95°	115.2	110.8	97.8	80.4	71.7	73.9	71.7	71.7	73.9	73.9	71.7
97.5°	91.3	91.3	80.4	67.4	63.0	60.8	63.0	60.8	63.0	60.8	58.7
100°	71.7	71.7	67.4	58.7	54.3	52.2	54.3	52.2	54.3	52.2	50.0
102.5°	56.5	58.7	56.5	50.0	47.8	45.6	45.6	45.6	45.6	43.5	43.5
105°	43.5	45.6	47.8	43.5	41.3	39.1	39.1	39.1	39.1	36.9	34.8
107.5°	34.8	36.9	39.1	36.9	36.9	34.8	34.8	34.8	32.6	30.4	30.4
110°	28.2	30.4	32.6	32.6	30.4	30.4	30.4	30.4	28.2	26.1	26.1

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.9	23.9	26.1	28.2	28.2	28.2	28.2	26.1	23.9	23.9	23.9
115°	19.6	21.7	23.9	23.9	23.9	23.9	23.9	21.7	21.7	19.6	19.6
117.5°	17.4	17.4	19.6	21.7	21.7	21.7	21.7	19.6	17.4	17.4	19.6
120°	15.2	15.2	17.4	19.6	19.6	19.6	19.6	17.4	15.2	17.4	17.4
122.5°	15.2	15.2	15.2	17.4	17.4	17.4	17.4	15.2	15.2	15.2	15.2
125°	13.0	13.0	15.2	15.2	15.2	15.2	15.2	13.0	13.0	15.2	15.2
127.5°	13.0	13.0	13.0	13.0	15.2	15.2	13.0	13.0	13.0	13.0	13.0
130°	10.9	10.9	13.0	13.0	13.0	13.0	13.0	10.9	10.9	13.0	13.0
132.5°	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
135°	8.7	8.7	10.9	10.9	10.9	10.9	10.9	8.7	10.9	10.9	10.9
137.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	10.9	10.9
140°	6.5	6.5	6.5	8.7	8.7	8.7	8.7	6.5	8.7	8.7	8.7
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.7	8.7
145°	4.3	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
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

(END OF REPORT)