

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: P695719

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-750-U-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6439 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B2 - U3 - G3

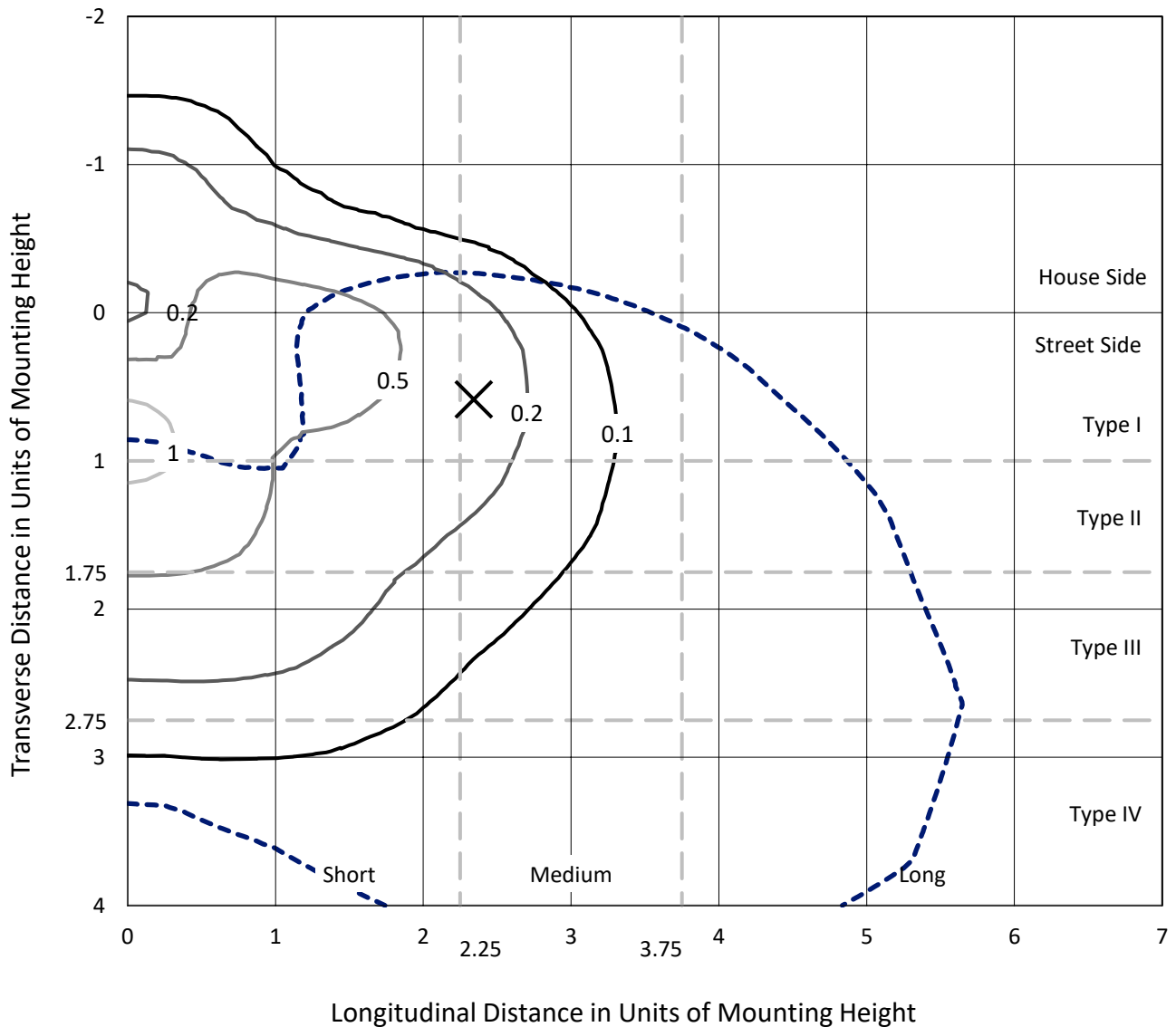
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

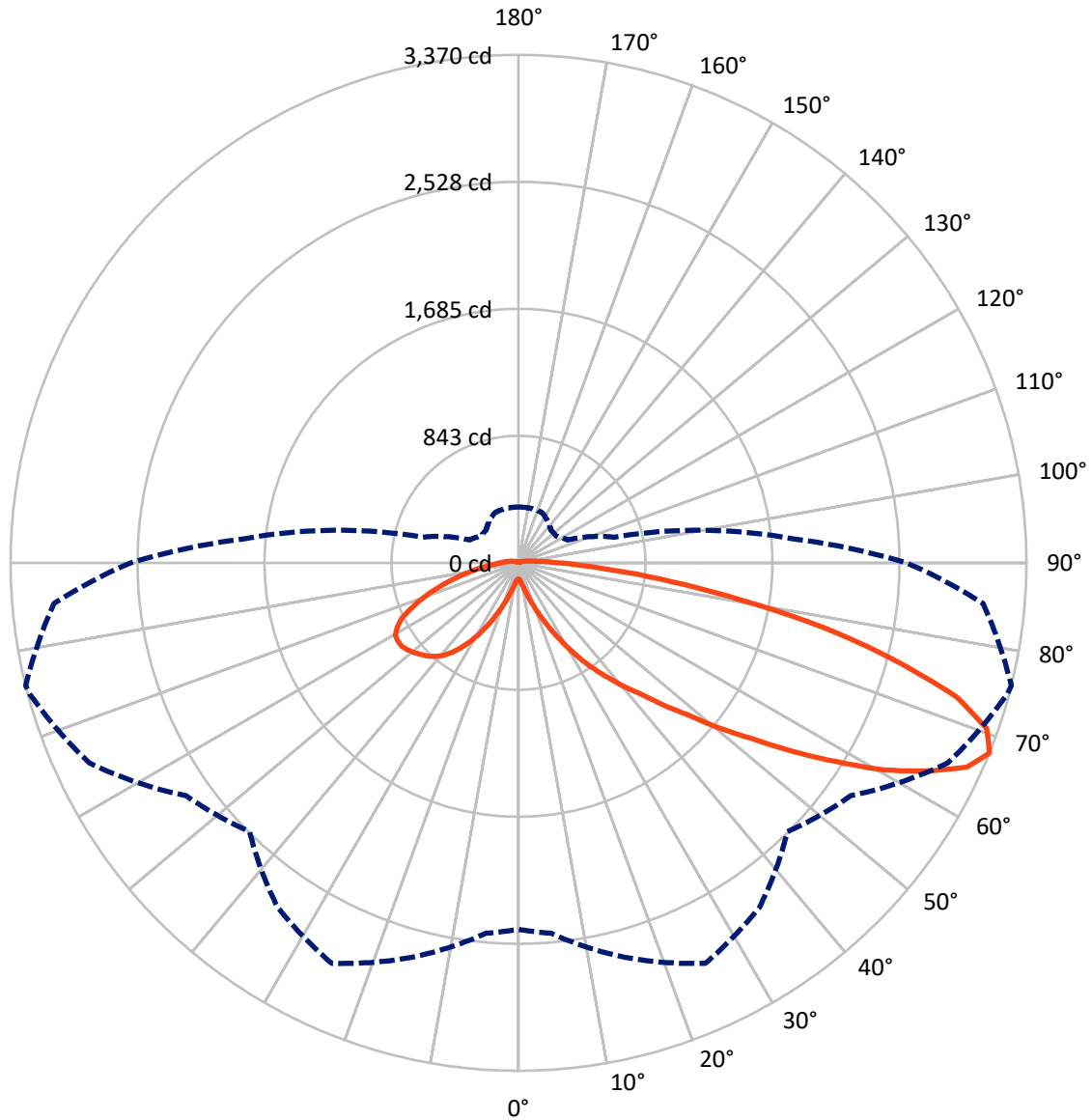
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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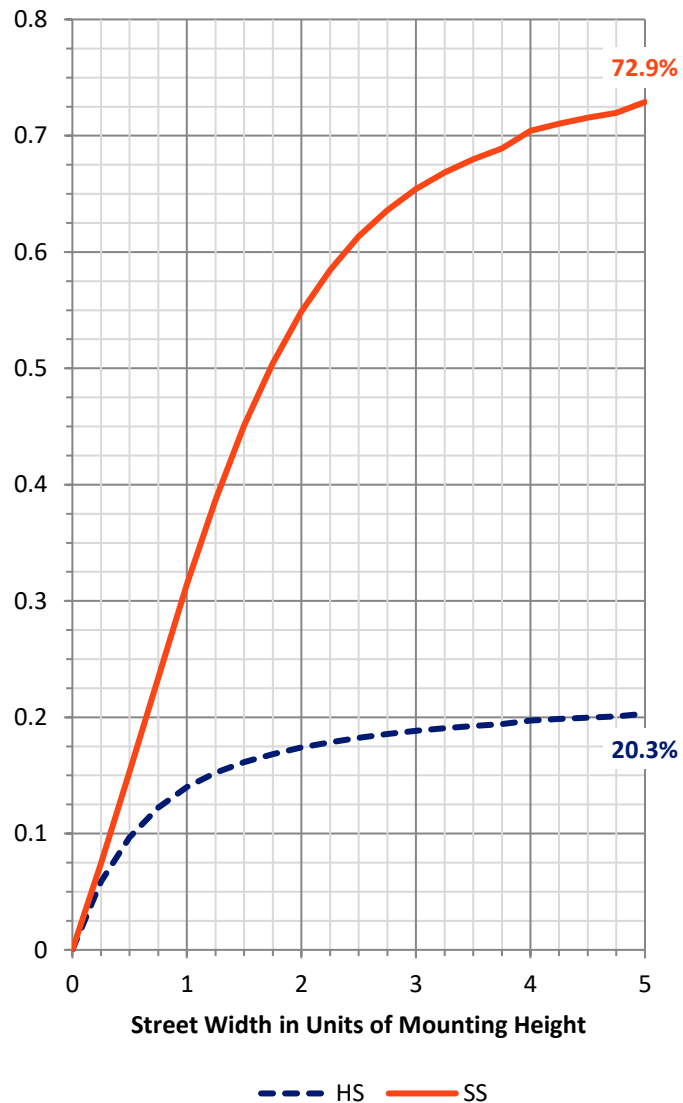
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.0	111.2	1490.1
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	4836.5	112.4	4948.9
	% Fixture	75.1	1.7	76.9
Total	Lumens	6215.4	223.6	6439.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.2	0.2
10°-20°	63.6	1.0
20°-30°	200.9	3.1
30°-40°	447.9	7.0
40°-50°	768.7	11.9
50°-60°	1199.2	18.6
60°-70°	1641.9	25.5
70°-80°	1376.1	21.4
80°-90°	504.9	7.8
90°-100°	127.2	2.0
100°-110°	48.4	0.8
110°-120°	23.1	0.4
120°-130°	13.1	0.2
130°-140°	7.6	0.1
140°-150°	3.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6215.4	96.5
0°-180°	6439.0	100.0

Coefficient of Utilization

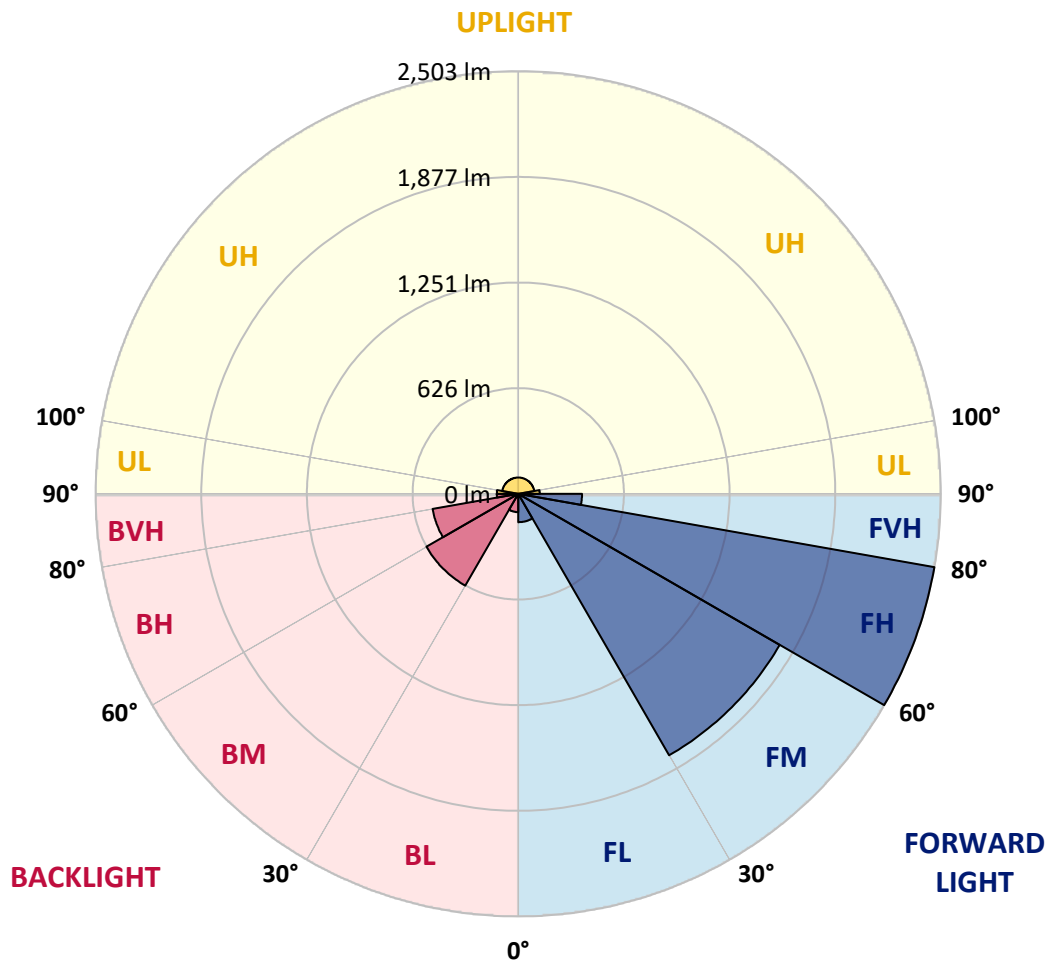


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.1	2.6			
FM (30°-60°)	1787.9	27.8			
FH (60°-80°)	2502.9	38.9			G2/5000
FVH (80°-90°)	377.5	5.9			G3/500
BL (0°-30°)	108.6	1.7	B0/110		
BM (30°-60°)	627.9	9.8	B1/1000		
BH (60°-80°)	515.1	8.0	B2/1000		G2/1000
BVH (80°-90°)	127.4	2.0			G2/225
UL (90°-100°)	127.2	2.0		U3/500	
UH (100°-180°)	96.4	1.5		U3/500	

BUG Rating: B2-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1
2.5°	114.1	114.1	114.1	114.1	116.4	114.1	114.1	111.7	111.7	109.4	109.4
5°	130.3	130.3	130.3	130.3	130.3	128.0	125.7	123.4	121.0	118.7	118.7
7.5°	153.6	153.6	153.6	151.3	149.0	146.6	144.3	139.7	135.0	135.0	130.3
10°	186.2	186.2	186.2	183.9	176.9	172.2	167.6	160.6	158.3	155.9	151.3
12.5°	230.4	230.4	225.8	221.1	211.8	204.8	197.8	190.9	188.5	186.2	179.2
15°	286.3	284.0	279.3	265.3	256.0	244.4	237.4	230.4	223.4	223.4	221.1
17.5°	353.8	351.5	339.8	321.2	307.2	288.6	279.3	274.7	274.7	272.3	267.7
20°	435.3	435.3	419.0	391.0	363.1	339.8	332.8	330.5	330.5	332.8	325.9
22.5°	540.0	537.7	514.4	467.8	428.3	398.0	391.0	391.0	398.0	398.0	395.7
25°	656.4	654.0	612.1	560.9	498.1	465.5	449.2	460.9	477.1	479.5	481.8
27.5°	798.4	789.0	740.2	661.0	579.6	528.4	516.7	535.3	567.9	565.6	570.3
30°	945.0	940.3	872.8	775.1	665.7	595.9	586.5	621.5	658.7	661.0	672.7
32.5°	1117.2	1091.6	1028.8	898.4	754.1	668.0	654.0	705.2	761.1	765.8	777.4
35°	1289.5	1287.1	1184.7	1031.1	847.2	735.5	723.9	784.4	863.5	865.9	882.1
37.5°	1464.0	1454.7	1357.0	1161.4	949.6	812.3	793.7	872.8	961.3	965.9	989.2
40°	1647.9	1636.3	1531.5	1301.1	1056.7	896.1	875.2	968.3	1070.7	1080.0	1107.9
42.5°	1808.5	1806.2	1706.1	1454.7	1161.4	977.6	963.6	1063.7	1184.7	1189.4	1231.3
45°	1985.4	1955.1	1862.0	1608.3	1291.8	1077.7	1063.7	1187.1	1324.4	1343.0	1377.9
47.5°	2125.1	2111.1	2025.0	1775.9	1424.5	1187.1	1173.1	1319.7	1487.3	1503.6	1533.9
50°	2267.0	2250.7	2173.9	1934.2	1568.8	1315.1	1312.7	1487.3	1692.1	1717.7	1750.3
52.5°	2383.4	2374.1	2327.6	2104.1	1722.4	1443.1	1468.7	1685.1	1917.9	1936.5	1969.1
55°	2492.8	2485.8	2476.5	2292.6	1906.3	1613.0	1633.9	1906.3	2173.9	2208.8	2260.1
57.5°	2574.3	2585.9	2604.5	2476.5	2099.5	1782.9	1827.1	2176.3	2457.9	2490.5	2541.7
60°	2630.1	2648.8	2716.3	2660.4	2302.0	1971.4	2064.5	2425.3	2753.5	2790.7	2816.3
62.5°	2637.1	2667.4	2804.7	2816.3	2492.8	2169.3	2274.0	2690.7	3035.1	3042.1	3011.9
65°	2583.6	2606.9	2800.0	2911.8	2662.7	2362.5	2504.4	2963.0	3251.6	3267.9	3128.2
67.5°	2432.3	2467.2	2709.3	2932.7	2788.4	2523.1	2693.0	3142.2	3358.7	3370.3	3093.3
70°	2150.7	2213.5	2502.1	2811.7	2814.0	2611.5	2816.3	3219.0	3309.8	3295.8	2883.8
72.5°	1810.8	1827.1	2146.0	2560.3	2716.3	2609.2	2802.4	3125.9	3060.7	3035.1	2492.8
75°	1324.4	1368.6	1666.5	2171.6	2483.5	2455.6	2637.1	2848.9	2625.5	2578.9	2032.0
77.5°	896.1	942.7	1177.7	1666.5	2090.1	2180.9	2334.5	2397.4	2113.4	2073.9	1489.6
80°	563.3	595.9	761.1	1163.8	1638.6	1780.6	1897.0	1857.4	1533.9	1496.6	1059.0
82.5°	314.2	330.5	465.5	758.8	1154.5	1354.6	1445.4	1347.7	1056.7	1014.8	686.6
85°	165.3	186.2	263.0	460.9	770.4	963.6	1035.8	891.5	649.4	635.4	428.3
87.5°	90.8	100.1	151.3	277.0	477.1	654.0	686.6	560.9	402.7	384.0	272.3
90°	55.9	60.5	88.4	165.3	295.6	409.6	430.6	351.5	251.4	246.7	181.5
92.5°	37.2	39.6	60.5	107.1	186.2	263.0	277.0	218.8	165.3	160.6	130.3
95°	27.9	30.3	46.6	76.8	128.0	179.2	176.9	149.0	111.7	109.4	95.4
97.5°	23.3	25.6	39.6	60.5	93.1	121.0	121.0	97.8	81.5	81.5	74.5
100°	20.9	20.9	32.6	48.9	69.8	88.4	88.4	72.2	60.5	60.5	55.9
102.5°	18.6	18.6	27.9	41.9	55.9	69.8	67.5	55.9	46.6	46.6	44.2
105°	16.3	16.3	25.6	34.9	46.6	55.9	53.5	44.2	37.2	34.9	32.6
107.5°	14.0	14.0	20.9	30.3	41.9	46.6	44.2	37.2	27.9	27.9	25.6
110°	14.0	14.0	18.6	27.9	34.9	39.6	37.2	30.3	23.3	23.3	20.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	11.6	11.6	16.3	23.3	30.3	34.9	32.6	25.6	18.6	18.6	18.6
115°	11.6	11.6	14.0	20.9	25.6	30.3	27.9	20.9	16.3	16.3	16.3
117.5°	11.6	11.6	14.0	18.6	23.3	25.6	23.3	18.6	14.0	14.0	14.0
120°	9.3	9.3	11.6	16.3	20.9	23.3	20.9	16.3	11.6	11.6	14.0
122.5°	9.3	9.3	11.6	14.0	18.6	20.9	18.6	14.0	11.6	11.6	11.6
125°	9.3	9.3	11.6	14.0	16.3	18.6	16.3	11.6	11.6	11.6	11.6
127.5°	9.3	9.3	9.3	11.6	14.0	16.3	14.0	11.6	9.3	9.3	11.6
130°	9.3	9.3	9.3	11.6	14.0	14.0	11.6	9.3	9.3	9.3	11.6
132.5°	9.3	9.3	9.3	9.3	11.6	11.6	11.6	9.3	9.3	9.3	9.3
135°	9.3	9.3	9.3	9.3	11.6	11.6	9.3	9.3	9.3	9.3	9.3
137.5°	9.3	7.0	7.0	9.3	9.3	9.3	9.3	7.0	7.0	7.0	9.3
140°	7.0	7.0	7.0	7.0	9.3	9.3	7.0	7.0	7.0	7.0	7.0
142.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
145°	7.0	7.0	7.0	4.7	7.0	7.0	4.7	4.7	4.7	7.0	7.0
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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°	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1
2.5°	109.4	107.1	107.1	107.1	107.1	104.7	104.7	104.7	104.7	102.4	104.7
5°	116.4	116.4	114.1	109.4	109.4	107.1	107.1	104.7	104.7	102.4	102.4
7.5°	130.3	128.0	123.4	121.0	116.4	114.1	111.7	109.4	109.4	107.1	107.1
10°	149.0	146.6	139.7	135.0	130.3	125.7	123.4	121.0	118.7	116.4	116.4
12.5°	176.9	172.2	165.3	153.6	149.0	142.0	137.3	135.0	135.0	135.0	132.7
15°	216.5	209.5	197.8	183.9	169.9	160.6	158.3	158.3	158.3	160.6	160.6
17.5°	263.0	253.7	239.7	216.5	197.8	186.2	183.9	183.9	186.2	190.9	190.9
20°	321.2	309.6	288.6	258.4	230.4	214.1	209.5	214.1	223.4	225.8	225.8
22.5°	388.7	379.4	344.5	300.3	265.3	244.4	239.7	244.4	256.0	265.3	267.7
25°	470.2	456.2	407.3	349.1	300.3	274.7	267.7	279.3	295.6	309.6	309.6
27.5°	560.9	544.6	477.1	400.3	335.2	300.3	293.3	309.6	337.5	353.8	356.1
30°	658.7	633.1	544.6	449.2	365.4	323.5	318.9	342.2	374.7	395.7	398.0
32.5°	765.8	723.9	614.5	493.4	393.4	339.8	337.5	367.8	407.3	432.9	435.3
35°	865.9	819.3	677.3	526.0	412.0	351.5	351.5	386.4	432.9	458.5	460.9
37.5°	963.6	903.1	730.9	551.6	421.3	356.1	358.4	400.3	446.9	472.5	474.8
40°	1070.7	993.9	777.4	563.3	423.6	358.4	363.1	407.3	449.2	474.8	474.8
42.5°	1182.4	1089.3	807.7	563.3	419.0	356.1	360.8	405.0	444.6	463.2	465.5
45°	1312.7	1191.7	828.6	554.0	409.6	349.1	356.1	400.3	430.6	439.9	442.2
47.5°	1461.7	1298.8	844.9	540.0	398.0	342.2	351.5	388.7	414.3	414.3	414.3
50°	1650.2	1419.8	858.9	516.7	384.0	335.2	344.5	379.4	393.4	388.7	388.7
52.5°	1855.1	1552.5	868.2	493.4	370.1	325.9	337.5	370.1	377.1	365.4	365.4
55°	2083.2	1708.4	868.2	470.2	356.1	318.9	332.8	360.8	363.1	351.5	346.8
57.5°	2302.0	1831.8	856.5	444.6	342.2	311.9	328.2	356.1	356.1	344.5	342.2
60°	2497.5	1945.8	837.9	421.3	332.8	307.2	328.2	353.8	353.8	344.5	344.5
62.5°	2637.1	1983.1	791.4	400.3	323.5	307.2	330.5	356.1	358.4	353.8	351.5
65°	2672.0	1964.5	737.8	377.1	314.2	304.9	335.2	363.1	365.4	363.1	363.1
67.5°	2574.3	1827.1	656.4	358.4	307.2	304.9	337.5	367.8	370.1	370.1	370.1
70°	2320.6	1622.3	581.9	337.5	300.3	302.6	342.2	372.4	372.4	372.4	372.4
72.5°	1962.1	1361.6	505.1	318.9	288.6	297.9	342.2	370.1	370.1	367.8	367.8
75°	1550.2	1077.7	432.9	300.3	274.7	288.6	337.5	363.1	360.8	358.4	356.1
77.5°	1147.5	800.7	363.1	274.7	258.4	277.0	323.5	346.8	344.5	342.2	337.5
80°	791.4	558.6	302.6	249.0	237.4	258.4	302.6	323.5	321.2	316.5	316.5
82.5°	514.4	384.0	244.4	218.8	214.1	237.4	279.3	295.6	290.9	286.3	284.0
85°	332.8	260.7	195.5	186.2	190.9	211.8	244.4	258.4	256.0	251.4	246.7
87.5°	218.8	186.2	153.6	153.6	162.9	186.2	209.5	216.5	214.1	214.1	209.5
90°	153.6	139.7	125.7	128.0	139.7	160.6	172.2	174.6	172.2	174.6	169.9
92.5°	114.1	107.1	102.4	107.1	118.7	135.0	142.0	137.3	139.7	139.7	137.3
95°	88.4	86.1	86.1	90.8	102.4	114.1	116.4	109.4	114.1	114.1	111.7
97.5°	69.8	69.8	72.2	76.8	86.1	95.4	95.4	90.8	93.1	93.1	93.1
100°	55.9	55.9	60.5	65.2	74.5	81.5	79.1	74.5	76.8	74.5	72.2
102.5°	44.2	46.6	51.2	55.9	62.8	67.5	67.5	62.8	62.8	60.5	60.5
105°	34.9	37.2	41.9	48.9	53.5	58.2	58.2	53.5	48.9	46.6	46.6
107.5°	27.9	30.3	34.9	39.6	46.6	48.9	48.9	44.2	39.6	34.9	34.9
110°	23.3	25.6	30.3	34.9	39.6	41.9	41.9	37.2	32.6	27.9	27.9

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.9	20.9	25.6	30.3	32.6	34.9	34.9	32.6	25.6	23.3	23.3
115°	16.3	18.6	20.9	25.6	27.9	30.3	30.3	25.6	20.9	18.6	18.6
117.5°	16.3	16.3	18.6	23.3	25.6	27.9	25.6	23.3	18.6	16.3	16.3
120°	14.0	16.3	18.6	18.6	23.3	23.3	23.3	18.6	16.3	16.3	16.3
122.5°	14.0	14.0	16.3	18.6	18.6	20.9	20.9	16.3	14.0	14.0	14.0
125°	11.6	14.0	14.0	16.3	18.6	18.6	18.6	14.0	14.0	14.0	14.0
127.5°	11.6	11.6	14.0	14.0	16.3	16.3	16.3	14.0	11.6	11.6	11.6
130°	11.6	11.6	11.6	11.6	14.0	14.0	14.0	11.6	11.6	11.6	11.6
132.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.3	11.6	11.6
135°	9.3	9.3	9.3	9.3	11.6	11.6	9.3	9.3	9.3	9.3	9.3
137.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
140°	9.3	9.3	9.3	7.0	9.3	9.3	7.0	7.0	7.0	9.3	9.3
142.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
145°	7.0	7.0	7.0	4.7	4.7	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	4.7
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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)