

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: P695702

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695702
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6555.1 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

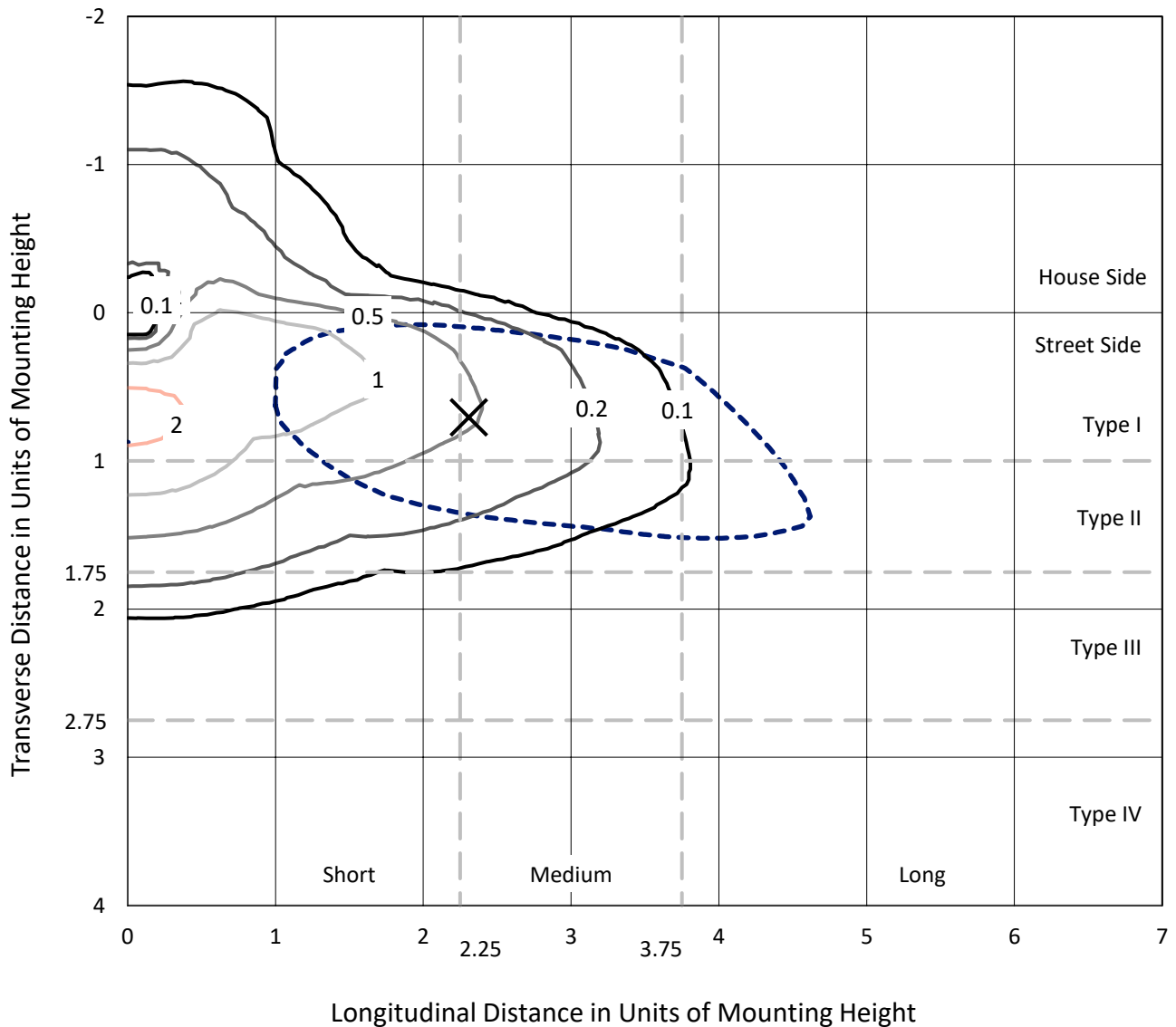
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

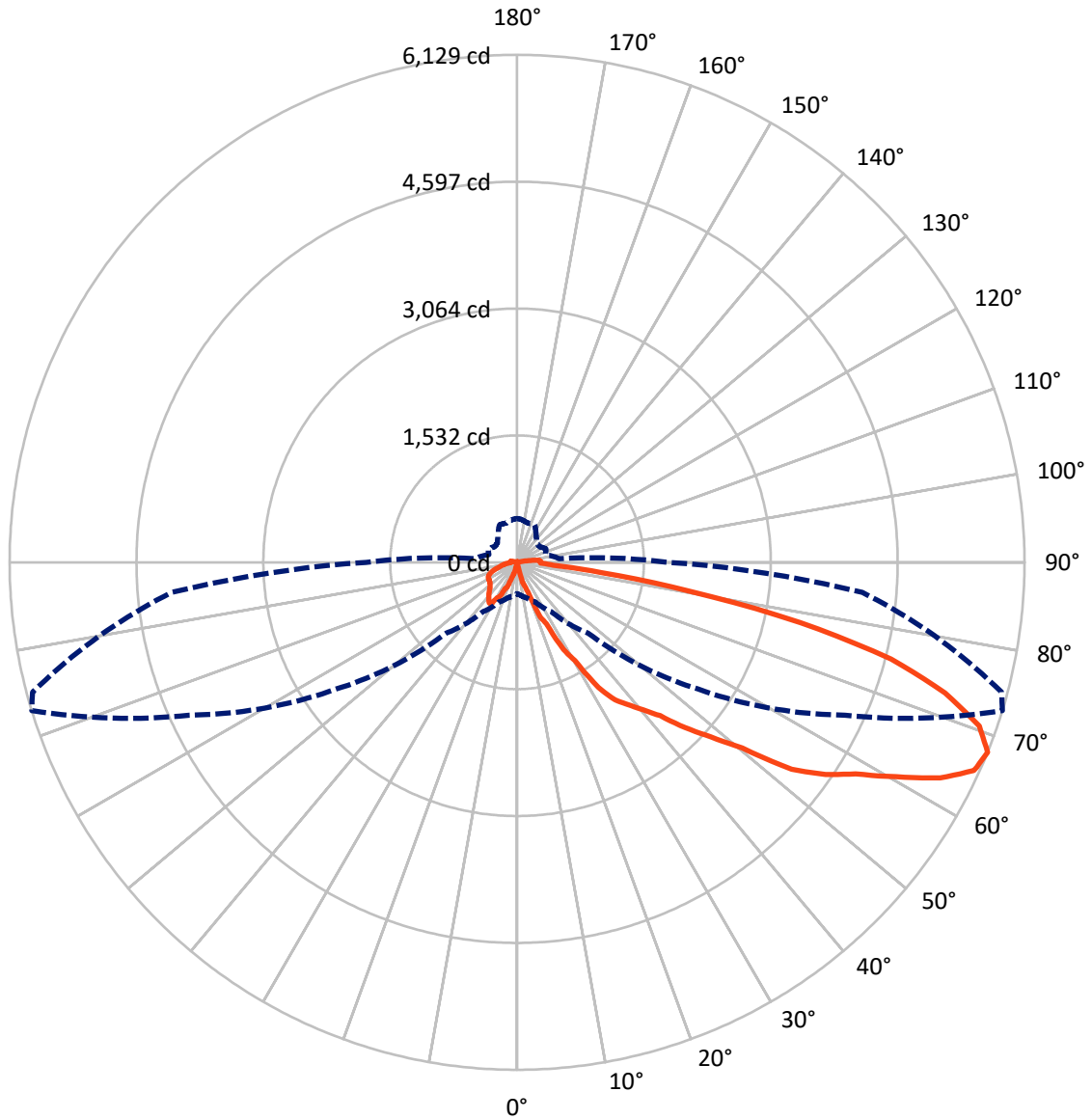
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - 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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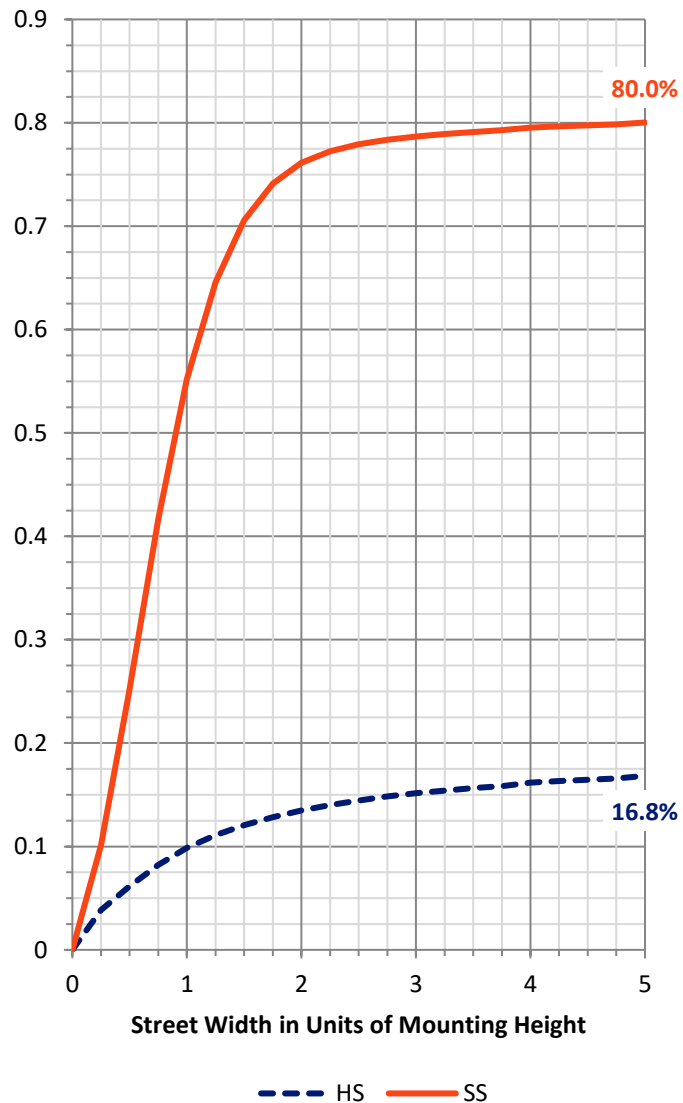
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1158.8	49.3	1208.1
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	5286.3	60.7	5347.0
	% Fixture	80.6	0.9	81.6
Total	Lumens	6445.1	110.0	6555.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	53.0	0.8
20°-30°	328.1	5.0
30°-40°	825.4	12.6
40°-50°	1191.9	18.2
50°-60°	1457.6	22.2
60°-70°	1437.1	21.9
70°-80°	904.1	13.8
80°-90°	247.2	3.8
90°-100°	71.9	1.1
100°-110°	15.4	0.2
110°-120°	7.9	0.1
120°-130°	6.5	0.1
130°-140°	4.6	0.1
140°-150°	3.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6445.1	98.3
0°-180°	6555.1	100.0

Coefficient of Utilization

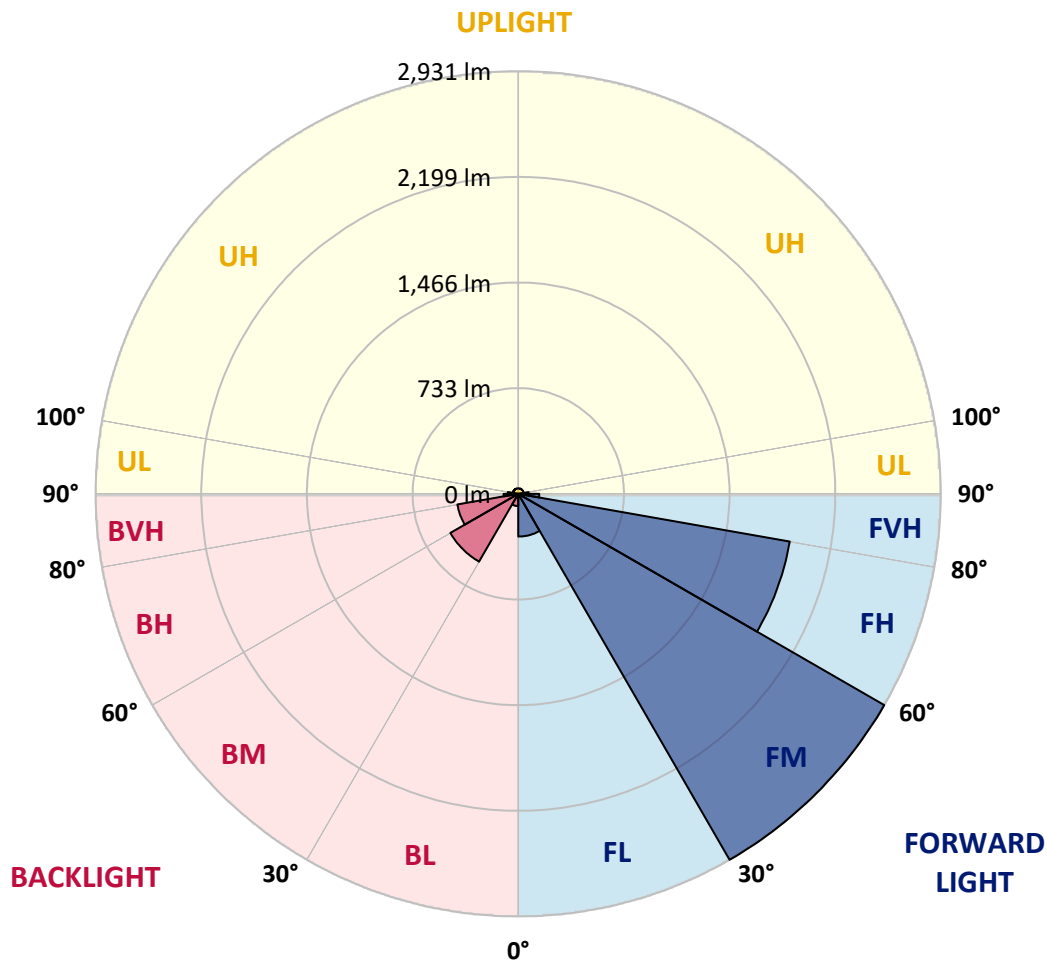


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.7	4.5			
FM (30°-60°)	2931.4	44.7			
FH (60°-80°)	1912.6	29.2			G2/5000
FVH (80°-90°)	145.6	2.2			G2/225
BL (0°-30°)	85.1	1.3	B0/110		
BM (30°-60°)	543.5	8.3	B1/1000		
BH (60°-80°)	428.6	6.5	B1/500		G1/500
BVH (80°-90°)	101.6	1.5			G2/225
UL (90°-100°)	71.9	1.1		U3/500	
UH (100°-180°)	38.1	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7
5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7
7.5°	9.3	11.6	9.3	9.3	9.3	9.3	9.3	7.0	4.7	4.7	4.7
10°	39.6	37.2	25.6	23.3	14.0	11.6	9.3	7.0	7.0	7.0	7.0
12.5°	311.9	309.6	302.6	272.3	46.6	23.3	14.0	18.6	25.6	30.3	34.9
15°	358.5	363.1	356.1	349.2	337.5	111.7	48.9	270.0	251.4	242.1	186.2
17.5°	647.1	484.2	426.0	416.7	391.1	328.2	297.9	330.5	300.3	291.0	225.8
20°	889.2	884.5	868.2	838.0	470.2	598.2	572.6	388.7	393.4	416.7	444.6
22.5°	993.9	989.3	968.3	935.7	977.6	689.0	649.4	721.6	714.6	693.7	537.7
25°	1629.4	1608.4	1494.4	1089.4	1091.7	961.3	996.3	928.7	819.3	798.4	626.1
27.5°	1766.7	1778.4	1750.4	1589.8	1250.0	1280.2	1094.0	1068.4	1191.8	1226.7	947.4
30°	2362.6	2418.5	2150.8	1813.3	1638.7	1398.9	1340.8	1466.4	1378.0	1338.4	1035.8
32.5°	2760.6	2735.0	2683.8	2262.5	1859.8	1675.9	1673.6	1617.7	1804.0	1799.3	1454.8
35°	2918.9	2898.0	2846.8	2479.0	2139.1	1966.9	1820.3	2011.1	2041.4	1964.6	1552.6
37.5°	3037.6	3014.4	2953.8	2558.1	2362.6	2085.6	2146.1	2155.4	2183.4	2167.1	1638.7
40°	3044.6	3030.7	2988.8	2669.9	2486.0	2178.7	2325.4	2346.3	2339.3	2381.2	1748.1
42.5°	3019.0	2991.1	2965.5	2690.8	2551.2	2250.9	2462.7	2583.7	2532.5	2593.0	1876.1
45°	2918.9	2886.3	2874.7	2690.8	2541.8	2299.8	2623.3	2807.2	2846.8	2793.2	2015.8
47.5°	2749.0	2742.0	2746.7	2628.0	2532.5	2355.6	2776.9	2977.1	3149.4	3065.6	2220.6
50°	2576.8	2588.4	2621.0	2555.8	2504.6	2388.2	2972.5	3270.4	3524.1	3410.1	2527.9
52.5°	2304.4	2320.7	2413.8	2439.4	2425.5	2385.9	3123.8	3666.1	4152.6	3994.3	2846.8
55°	2055.4	2064.7	2127.5	2220.6	2274.2	2337.0	3184.3	3840.7	4522.7	4343.5	3053.9
57.5°	1771.4	1752.8	1834.2	1969.2	2090.3	2269.5	3247.1	3978.0	4820.6	4722.9	3323.9
60°	1433.9	1394.3	1513.0	1638.7	1822.6	2129.8	3286.7	4215.4	5258.3	5202.4	3717.3
62.5°	966.0	984.6	1103.3	1273.2	1529.3	1894.7	3242.5	4431.9	5733.1	5700.5	4045.5
65°	607.5	633.1	709.9	856.6	1117.3	1594.5	3056.3	4534.3	6063.6	6007.8	4234.1
67.5°	379.4	395.7	444.6	533.0	733.2	1208.1	2669.9	4369.1	6128.8	6056.7	4187.5
70°	314.2	318.9	325.9	346.8	451.6	835.6	2122.9	3940.8	5921.6	5933.3	3994.3
72.5°	281.7	286.3	286.3	284.0	291.0	523.7	1513.0	3342.6	5404.9	5404.9	3610.2
75°	258.4	260.7	253.7	251.4	246.7	325.9	924.1	2648.9	4667.0	4578.6	3016.7
77.5°	228.1	232.8	225.8	225.8	223.5	249.1	535.4	2020.4	3496.2	3347.2	2034.4
80°	195.5	195.5	195.5	195.5	197.9	197.9	335.2	1387.3	2106.6	1941.3	1098.7
82.5°	156.0	153.6	158.3	167.6	162.9	151.3	258.4	807.7	1021.9	926.4	542.4
85°	60.5	74.5	86.1	104.7	109.4	104.7	197.9	398.0	435.3	465.5	335.2
87.5°	34.9	34.9	27.9	27.9	30.3	41.9	123.4	239.8	281.7	316.6	295.6
90°	37.2	37.2	27.9	25.6	25.6	34.9	107.1	218.8	286.3	318.9	300.3
92.5°	39.6	39.6	27.9	25.6	25.6	27.9	88.5	195.5	284.0	325.9	293.3
95°	34.9	37.2	25.6	23.3	25.6	25.6	65.2	156.0	263.0	267.7	274.7
97.5°	23.3	25.6	16.3	18.6	23.3	20.9	34.9	90.8	139.7	107.1	128.0
100°	14.0	16.3	11.6	14.0	16.3	16.3	18.6	39.6	34.9	23.3	23.3
102.5°	14.0	14.0	9.3	11.6	11.6	9.3	9.3	16.3	14.0	14.0	23.3
105°	14.0	14.0	9.3	9.3	7.0	7.0	7.0	11.6	11.6	14.0	23.3
107.5°	9.3	11.6	7.0	7.0	7.0	7.0	4.7	7.0	11.6	11.6	25.6
110°	7.0	7.0	4.7	4.7	4.7	7.0	4.7	7.0	9.3	11.6	18.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	4.7	7.0	4.7	4.7	4.7	4.7	4.7	7.0	9.3	9.3	11.6
115°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	9.3	14.0
117.5°	7.0	7.0	4.7	4.7	2.3	4.7	4.7	4.7	7.0	9.3	14.0
120°	7.0	7.0	4.7	4.7	2.3	2.3	4.7	4.7	9.3	9.3	14.0
122.5°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	7.0	9.3	14.0
125°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	7.0	9.3	11.6
127.5°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	7.0	7.0	11.6
130°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	7.0	7.0	11.6
132.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	9.3
135°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7
145°	9.3	9.3	9.3	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	9.3	9.3	9.3	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7
150°	9.3	11.6	9.3	7.0	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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7
7.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7
10°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	2.3
12.5°	34.9	34.9	25.6	11.6	4.7	2.3	2.3	2.3	7.0	7.0	7.0
15°	169.9	153.6	137.3	121.0	32.6	4.7	4.7	20.9	79.1	111.7	116.4
17.5°	197.9	179.2	160.6	146.6	130.4	48.9	53.5	139.7	144.3	146.6	144.3
20°	381.7	339.8	221.1	167.6	144.3	151.3	132.7	149.0	160.6	165.3	165.3
22.5°	453.9	391.1	335.2	293.3	172.2	207.2	193.2	172.2	267.7	274.7	277.0
25°	526.1	444.6	360.8	311.9	300.3	214.1	228.1	263.0	284.0	288.6	286.3
27.5°	768.1	633.1	505.1	337.5	318.9	267.7	286.3	277.0	302.6	370.1	377.1
30°	826.3	658.7	514.4	409.7	335.2	314.2	295.6	360.8	391.1	391.1	393.4
32.5°	1145.2	879.9	633.1	409.7	370.1	316.6	353.8	377.1	395.7	423.6	414.3
35°	1198.8	889.2	626.1	474.8	370.1	332.9	365.4	388.7	474.8	484.2	481.8
37.5°	1243.0	879.9	591.2	460.9	400.4	353.8	372.4	444.6	479.5	477.2	472.5
40°	1291.9	865.9	556.3	451.6	398.0	356.1	398.0	446.9	467.9	456.2	444.6
42.5°	1347.7	845.0	526.1	430.6	388.7	358.5	400.4	435.3	433.0	426.0	419.0
45°	1419.9	821.7	491.1	412.0	384.1	353.8	393.4	405.0	421.3	416.7	412.0
47.5°	1527.0	798.4	460.9	395.7	379.4	346.8	398.0	412.0	426.0	414.3	412.0
50°	1685.2	765.8	435.3	391.1	377.1	367.8	365.4	423.6	435.3	407.3	402.7
52.5°	1792.3	728.6	421.3	386.4	370.1	358.5	388.7	419.0	430.6	398.0	395.7
55°	1864.5	675.0	409.7	386.4	365.4	337.5	421.3	428.3	428.3	391.1	386.4
57.5°	1943.6	637.8	402.7	393.4	363.1	314.2	439.9	437.6	428.3	379.4	381.7
60°	2057.7	614.5	395.7	400.4	363.1	321.2	433.0	458.6	428.3	386.4	400.4
62.5°	2122.9	591.2	391.1	402.7	358.5	321.2	419.0	488.8	463.2	433.0	435.3
65°	2032.1	561.0	377.1	400.4	351.5	328.2	405.0	500.5	495.8	481.8	484.2
67.5°	1824.9	509.8	351.5	384.1	328.2	332.9	398.0	500.5	491.1	521.4	528.4
70°	1594.5	449.2	314.2	356.1	311.9	328.2	414.3	484.2	484.2	540.0	551.7
72.5°	1350.1	367.8	272.3	325.9	311.9	318.9	433.0	465.5	465.5	540.0	537.7
75°	1108.0	293.3	228.1	279.3	288.6	318.9	430.6	444.6	433.0	493.5	481.8
77.5°	810.0	232.8	195.5	235.1	260.7	318.9	416.7	414.3	395.7	423.6	419.0
80°	498.1	183.9	165.3	200.2	218.8	304.9	393.4	377.1	344.5	358.5	353.8
82.5°	288.6	137.3	139.7	169.9	174.6	279.3	356.1	328.2	293.3	300.3	293.3
85°	186.2	88.5	109.4	130.4	137.3	228.1	304.9	277.0	237.4	307.3	293.3
87.5°	144.3	51.2	74.5	86.1	83.8	100.1	174.6	165.3	162.9	132.7	128.0
90°	135.0	44.2	74.5	74.5	60.5	48.9	67.5	69.8	58.2	62.8	55.9
92.5°	121.0	44.2	79.1	74.5	53.5	39.6	55.9	55.9	44.2	41.9	39.6
95°	100.1	39.6	83.8	76.8	48.9	34.9	46.6	44.2	34.9	32.6	30.3
97.5°	53.5	25.6	79.1	69.8	44.2	32.6	41.9	37.2	25.6	23.3	20.9
100°	18.6	16.3	76.8	60.5	37.2	25.6	30.3	27.9	16.3	14.0	11.6
102.5°	16.3	14.0	44.2	44.2	23.3	14.0	18.6	18.6	14.0	11.6	11.6
105°	18.6	14.0	16.3	23.3	11.6	7.0	9.3	11.6	11.6	14.0	14.0
107.5°	18.6	14.0	11.6	11.6	9.3	7.0	7.0	7.0	11.6	14.0	14.0
110°	16.3	14.0	9.3	11.6	9.3	7.0	7.0	7.0	11.6	16.3	16.3

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.6	11.6	9.3	9.3	7.0	7.0	7.0	7.0	11.6	16.3	18.6
115°	11.6	11.6	7.0	7.0	7.0	7.0	4.7	7.0	11.6	18.6	20.9
117.5°	14.0	11.6	7.0	7.0	4.7	4.7	4.7	7.0	14.0	20.9	23.3
120°	14.0	11.6	7.0	7.0	4.7	4.7	4.7	7.0	14.0	23.3	23.3
122.5°	14.0	11.6	7.0	7.0	4.7	4.7	4.7	7.0	14.0	23.3	23.3
125°	11.6	11.6	7.0	7.0	4.7	4.7	4.7	7.0	14.0	23.3	23.3
127.5°	11.6	9.3	7.0	4.7	4.7	4.7	4.7	7.0	14.0	20.9	23.3
130°	9.3	9.3	7.0	4.7	4.7	4.7	4.7	7.0	14.0	20.9	20.9
132.5°	9.3	9.3	7.0	4.7	4.7	4.7	4.7	7.0	11.6	18.6	18.6
135°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	7.0	9.3	14.0	14.0
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	9.3	9.3
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
142.5°	4.7	4.7	4.7	4.7	4.7	2.3	4.7	4.7	7.0	7.0	7.0
145°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	7.0	7.0	4.7
147.5°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	4.7	7.0	7.0	4.7
150°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	7.0	7.0	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)