

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: P695707

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695707
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-PA16-60-750-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 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: 6879 lumens
Efficiency: N/A
Efficacy: 111.0 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

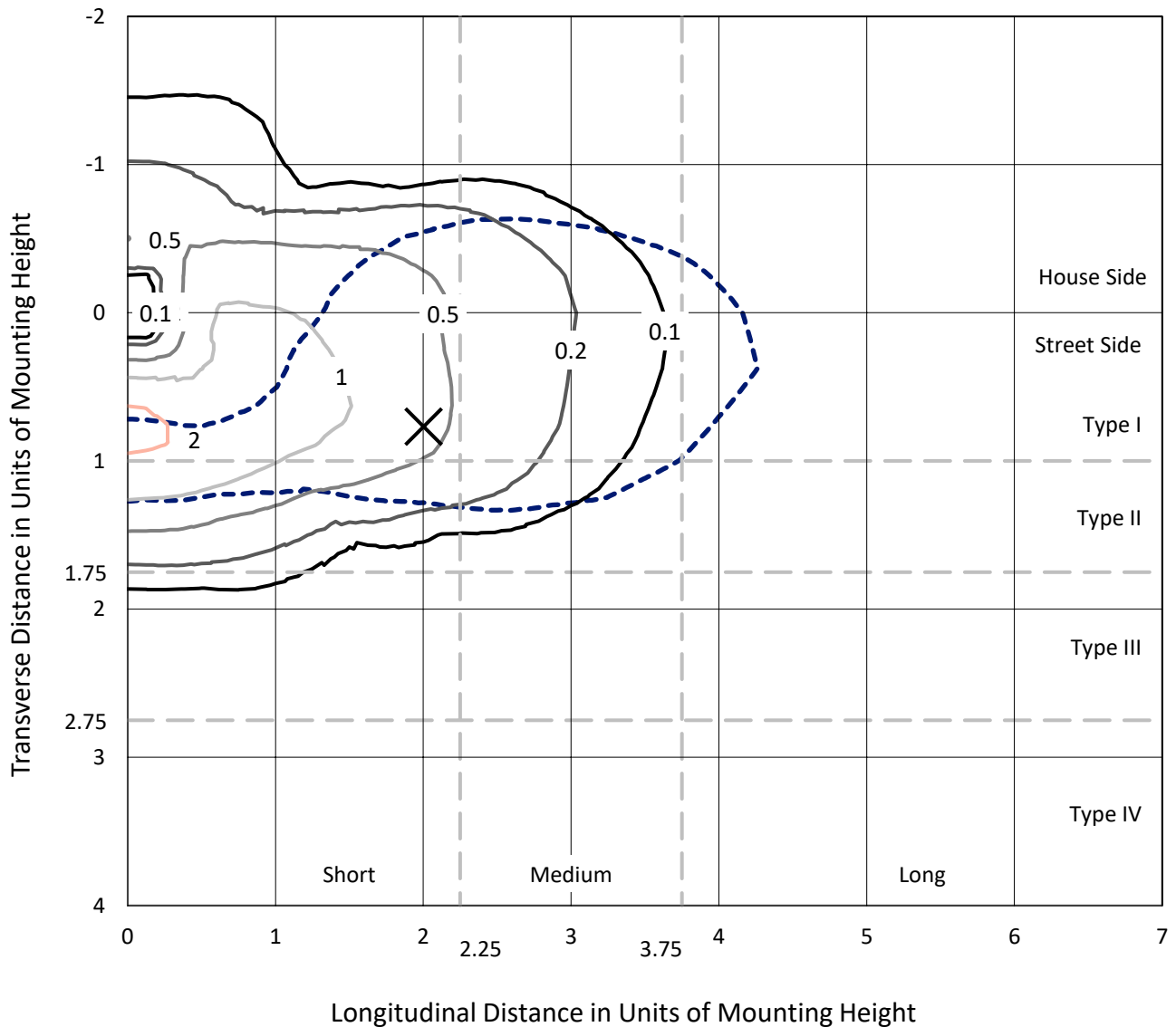
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

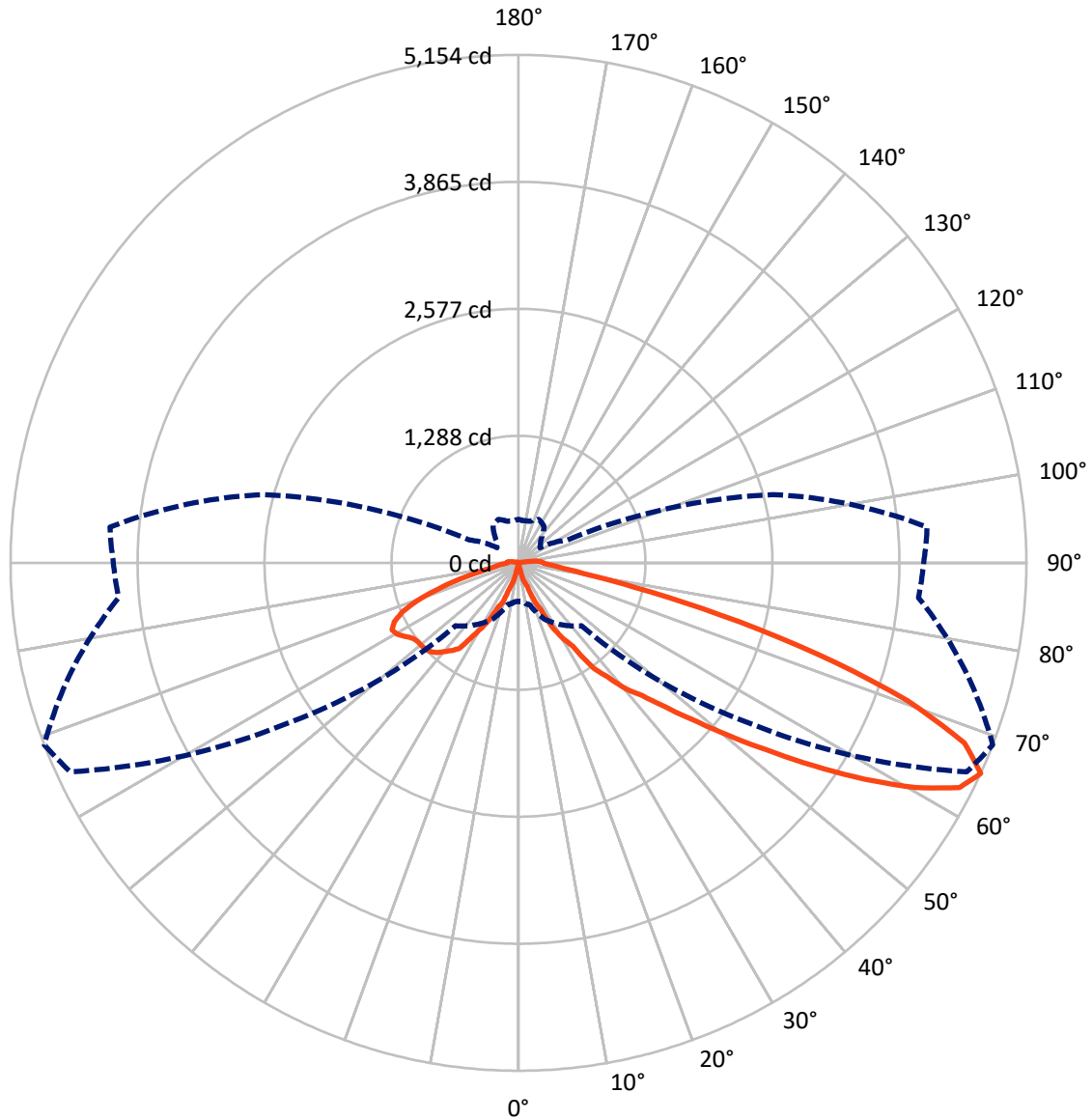
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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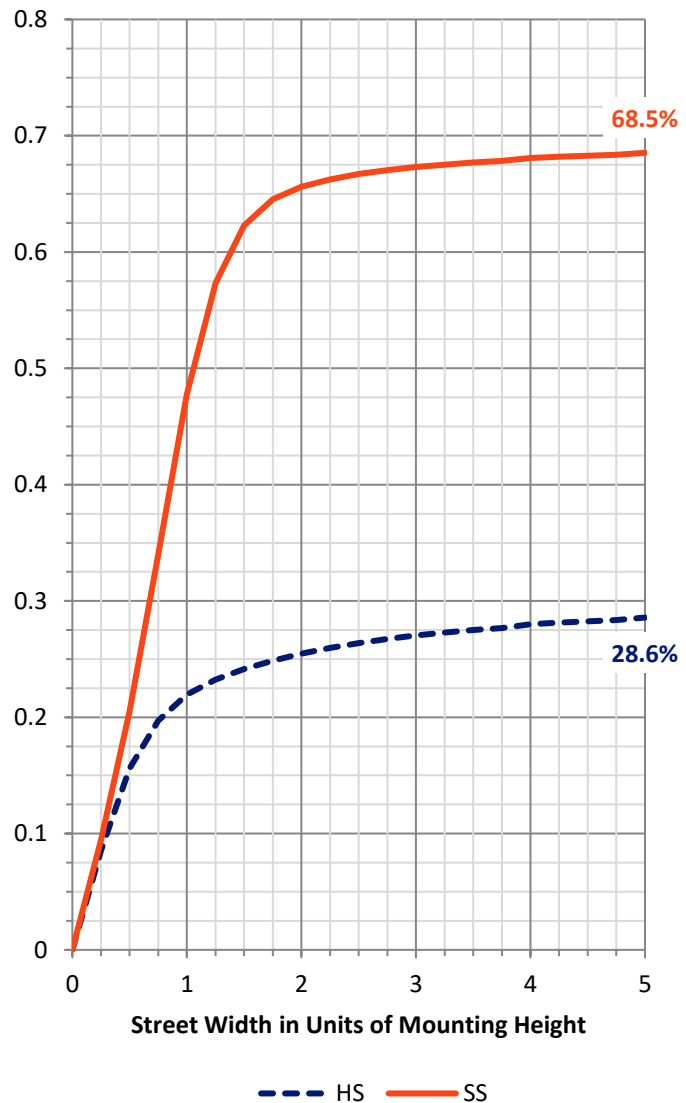
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2016.7	59.0	2075.7
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	4752.2	51.1	4803.3
	% Fixture	69.1	0.7	69.8
Total	Lumens	6768.8	110.2	6879.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	41.5	0.6
20°-30°	264.9	3.9
30°-40°	726.9	10.6
40°-50°	1296.0	18.8
50°-60°	1682.2	24.5
60°-70°	1608.6	23.4
70°-80°	927.1	13.5
80°-90°	221.1	3.2
90°-100°	78.1	1.1
100°-110°	14.1	0.2
110°-120°	6.7	0.1
120°-130°	5.5	0.1
130°-140°	3.3	0.0
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6768.8	98.4
0°-180°	6879.0	100.0

Coefficient of Utilization

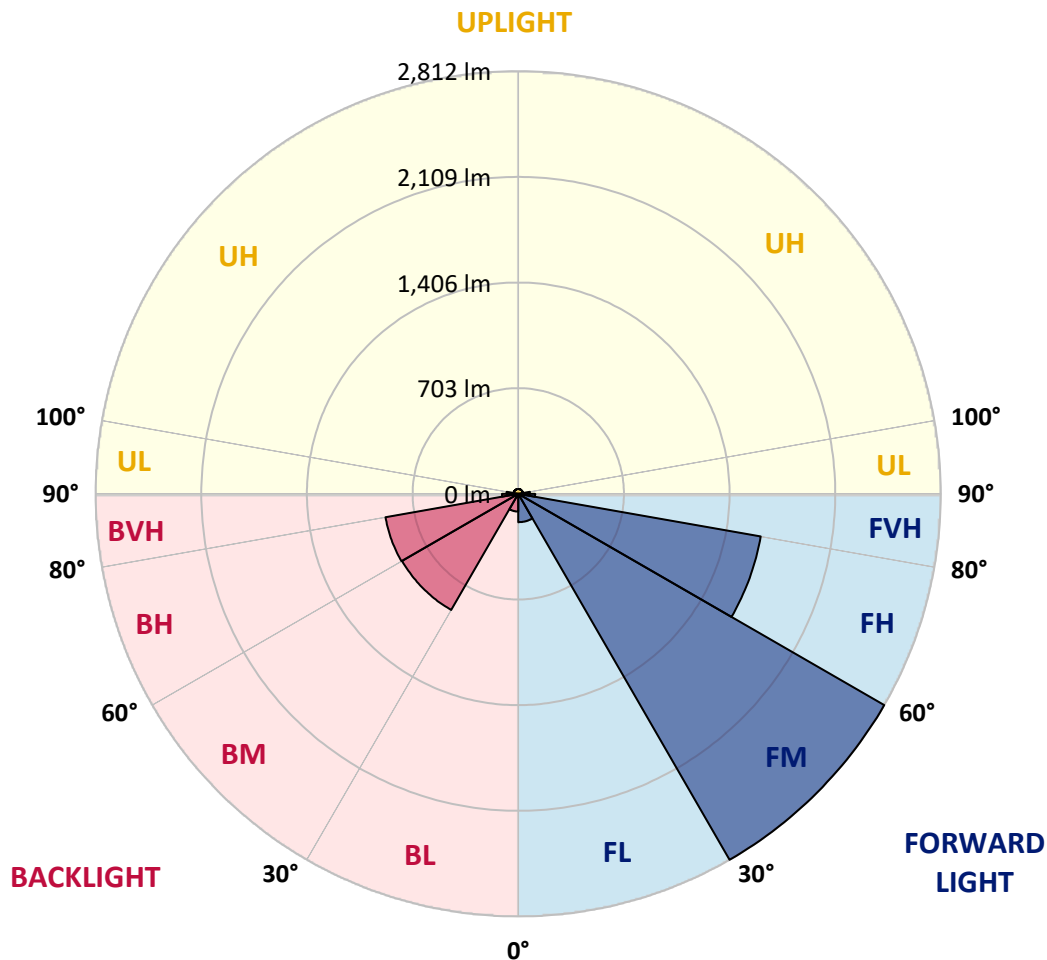


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.9	2.7			
FM (30°-60°)	2812.4	40.9			
FH (60°-80°)	1638.4	23.8			G1/1800
FVH (80°-90°)	112.6	1.6			G2/225
BL (0°-30°)	118.1	1.7	B1/500		
BM (30°-60°)	892.7	13.0	B1/1000		
BH (60°-80°)	897.3	13.0	B2/1000		G2/1000
BVH (80°-90°)	108.5	1.6			G2/225
UL (90°-100°)	78.1	1.1		U3/500	
UH (100°-180°)	32.1	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°	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	4.7	2.3	2.3
5°	4.7	4.7	4.7	7.0	4.7	4.7	4.7	4.7	4.7	2.3	2.3
7.5°	9.3	7.0	7.0	7.0	7.0	4.7	4.7	4.7	4.7	2.3	2.3
10°	39.6	32.6	25.6	18.6	11.6	7.0	7.0	4.7	4.7	4.7	4.7
12.5°	172.3	165.3	162.9	153.6	51.2	18.6	11.6	18.6	23.3	32.6	39.6
15°	202.5	200.2	195.5	181.6	172.3	128.0	41.9	158.3	172.3	181.6	183.9
17.5°	370.1	337.5	260.7	225.8	200.2	183.9	174.6	202.5	207.2	211.8	218.8
20°	500.5	500.5	479.5	421.3	256.1	304.9	300.3	242.1	253.7	314.2	395.7
22.5°	626.2	619.2	579.6	535.4	526.1	365.5	349.2	423.6	430.6	470.2	470.2
25°	1031.2	1031.2	914.8	675.0	630.8	530.7	537.7	542.4	526.1	535.4	558.7
27.5°	1224.4	1208.1	1163.9	1028.9	782.1	737.9	637.8	635.5	756.5	782.1	798.4
30°	1750.5	1743.5	1494.4	1212.8	1056.8	854.3	870.6	889.2	889.2	891.5	865.9
32.5°	2115.9	2125.2	1997.2	1613.1	1240.7	1049.8	1054.5	984.6	1007.9	1168.5	1180.2
35°	2472.1	2490.7	2313.8	1962.3	1601.5	1301.2	1180.2	1266.3	1315.2	1312.8	1282.6
37.5°	2832.9	2818.9	2662.9	2267.2	1876.2	1496.7	1438.5	1489.8	1466.5	1496.7	1401.3
40°	3086.6	3084.3	2944.6	2588.4	2155.5	1766.8	1622.4	1669.0	1685.3	1673.6	1550.3
42.5°	3261.2	3244.9	3186.7	2919.0	2520.9	2125.2	1864.5	1897.1	1841.2	1885.5	1729.5
45°	3333.3	3312.4	3303.1	3100.5	2837.5	2672.2	2209.0	2143.8	2081.0	2169.5	1939.0
47.5°	3235.6	3207.6	3261.2	3198.3	3086.6	3056.3	2611.7	2385.9	2376.6	2444.1	2199.7
50°	2919.0	2870.1	3014.4	3126.2	3205.3	3321.7	3063.3	2772.3	2742.1	2746.7	2444.1
52.5°	2416.2	2418.5	2590.8	2793.3	3158.7	3368.2	3496.3	3258.8	3154.1	3102.9	2690.9
55°	1929.7	1946.0	2076.3	2255.6	2774.7	3321.7	3826.8	3808.2	3631.3	3447.4	2953.9
57.5°	1387.3	1422.2	1622.4	1745.8	2246.3	2995.8	3992.1	4297.0	4143.4	3803.5	3235.6
60°	793.8	835.7	1054.5	1333.8	1720.2	2388.3	3910.6	4799.8	4632.2	4178.3	3517.2
62.5°	505.1	516.8	612.2	905.5	1124.3	1571.2	3566.1	5104.7	5020.9	4522.8	3822.1
65°	391.1	395.7	442.3	633.1	768.2	903.2	2804.9	5018.6	5153.6	4760.2	4073.5
67.5°	358.5	358.5	372.4	453.9	581.9	570.3	1813.3	4494.9	4881.3	4792.8	4157.3
70°	335.2	339.8	356.1	367.8	458.6	430.6	975.3	3556.8	4189.9	4473.9	4129.4
72.5°	293.3	298.0	318.9	349.2	356.1	349.2	544.7	2365.0	3184.3	3757.0	3903.6
75°	249.1	251.4	265.4	314.2	311.9	281.7	451.6	1412.9	2108.9	2756.0	3310.0
77.5°	204.8	211.8	228.1	253.7	284.0	223.5	402.7	831.0	1203.4	1734.2	2295.2
80°	151.3	156.0	172.3	209.5	228.1	193.2	332.9	540.0	675.0	898.5	1105.7
82.5°	109.4	111.7	125.7	151.3	162.9	165.3	260.7	435.3	463.2	495.8	498.1
85°	67.5	65.2	67.5	79.1	100.1	107.1	188.5	346.8	349.2	337.5	332.9
87.5°	30.3	30.3	23.3	27.9	32.6	32.6	97.8	274.7	274.7	260.7	270.0
90°	32.6	32.6	23.3	23.3	25.6	23.3	55.9	232.8	246.7	246.7	272.3
92.5°	34.9	32.6	25.6	23.3	23.3	20.9	34.9	186.2	223.5	246.7	281.7
95°	32.6	32.6	23.3	20.9	20.9	18.6	27.9	128.0	179.2	200.2	239.8
97.5°	23.3	23.3	16.3	16.3	18.6	16.3	20.9	53.5	69.8	90.8	121.0
100°	16.3	16.3	11.6	11.6	11.6	11.6	14.0	23.3	27.9	23.3	27.9
102.5°	14.0	16.3	9.3	9.3	9.3	7.0	9.3	11.6	14.0	16.3	20.9
105°	14.0	14.0	7.0	7.0	7.0	7.0	4.7	9.3	9.3	11.6	20.9
107.5°	9.3	9.3	7.0	7.0	4.7	4.7	4.7	7.0	9.3	11.6	20.9
110°	7.0	7.0	4.7	4.7	4.7	4.7	4.7	7.0	9.3	9.3	16.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	4.7	4.7	4.7	2.3	2.3	4.7	4.7	7.0	7.0	7.0	11.6
115°	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0	11.6
117.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
120°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
122.5°	7.0	7.0	2.3	2.3	2.3	2.3	2.3	4.7	4.7	7.0	11.6
125°	7.0	7.0	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	9.3
127.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	9.3
130°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	9.3
132.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0
135°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
137.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7
140°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
142.5°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
145°	4.7	7.0	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	7.0	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	7.0	7.0	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7	4.7
10°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
12.5°	37.2	34.9	30.3	16.3	7.0	4.7	4.7	4.7	7.0	9.3	9.3
15°	188.5	190.9	186.2	167.6	41.9	11.6	7.0	20.9	79.1	137.3	95.4
17.5°	218.8	221.1	216.5	211.8	193.2	86.1	55.9	183.9	190.9	204.8	200.2
20°	402.7	398.0	332.9	246.7	223.5	207.2	174.6	211.8	223.5	228.1	228.1
22.5°	467.9	465.5	456.2	430.6	265.4	309.6	277.0	232.8	381.7	400.4	398.0
25°	542.4	528.4	502.8	479.5	458.6	339.8	342.2	370.1	391.1	393.4	393.4
27.5°	777.5	758.8	716.9	595.9	537.7	423.6	428.3	379.4	381.7	458.6	472.5
30°	845.0	814.7	770.5	747.2	619.2	498.1	409.7	435.3	449.3	446.9	451.6
32.5°	1126.6	1082.4	928.8	835.7	682.0	481.8	428.3	421.3	421.3	458.6	463.2
35°	1215.1	1149.9	1066.1	1042.8	693.7	472.5	405.0	412.0	465.5	472.5	470.2
37.5°	1319.8	1229.0	1145.2	1089.4	726.3	437.6	384.1	414.3	430.6	430.6	428.3
40°	1436.2	1345.4	1259.3	1103.3	691.3	402.7	386.4	393.4	405.0	398.0	395.7
42.5°	1606.1	1485.1	1408.3	1103.3	602.9	381.7	377.1	377.1	386.4	379.4	377.1
45°	1813.3	1673.6	1534.0	1087.1	512.1	370.1	372.4	370.1	379.4	370.1	367.8
47.5°	2032.1	1887.8	1648.0	1047.5	442.3	360.8	379.4	367.8	370.1	356.1	353.8
50°	2281.2	2125.2	1766.8	977.7	402.7	360.8	377.1	370.1	363.1	349.2	346.8
52.5°	2532.6	2374.3	1906.4	891.5	374.8	353.8	379.4	377.1	367.8	346.8	346.8
55°	2791.0	2681.6	2067.0	817.0	344.5	351.5	391.1	391.1	372.4	344.5	342.2
57.5°	3068.0	2993.5	2243.9	789.1	316.6	337.5	409.7	414.3	379.4	342.2	342.2
60°	3391.5	3421.8	2432.5	756.5	298.0	325.9	419.0	435.3	388.7	342.2	342.2
62.5°	3794.2	3880.3	2609.4	682.0	281.7	309.6	428.3	458.6	416.7	381.7	384.1
65°	4110.8	4162.0	2672.2	547.0	265.4	316.6	451.6	486.5	435.3	430.6	442.3
67.5°	4285.4	4262.1	2576.8	416.7	246.7	311.9	444.6	505.1	456.2	467.9	474.9
70°	4280.7	4110.8	2260.2	321.2	230.4	307.3	451.6	498.1	467.9	500.5	521.4
72.5°	3982.8	3596.4	1713.2	279.3	230.4	302.6	439.9	479.5	470.2	502.8	519.1
75°	3200.6	2732.8	1175.5	244.4	218.8	288.6	419.0	446.9	428.3	456.2	465.5
77.5°	2120.6	1797.0	656.4	221.1	216.5	265.4	381.7	395.7	374.8	393.4	400.4
80°	993.9	828.7	365.5	204.8	209.5	235.1	314.2	335.2	302.6	321.2	321.2
82.5°	456.2	421.3	277.0	186.2	188.5	179.2	244.4	277.0	246.7	256.1	246.7
85°	307.3	309.6	221.1	158.3	153.6	128.0	193.2	214.2	186.2	193.2	162.9
87.5°	267.7	274.7	176.9	102.4	88.5	79.1	125.7	130.4	95.4	79.1	76.8
90°	274.7	277.0	162.9	76.8	53.5	41.9	67.5	65.2	41.9	37.2	37.2
92.5°	284.0	284.0	165.3	81.5	53.5	39.6	60.5	48.9	37.2	32.6	32.6
95°	258.4	244.4	144.3	81.5	51.2	34.9	48.9	41.9	32.6	32.6	30.3
97.5°	158.3	144.3	107.1	81.5	41.9	30.3	37.2	32.6	23.3	20.9	20.9
100°	44.2	37.2	67.5	65.2	30.3	20.9	25.6	20.9	14.0	11.6	9.3
102.5°	20.9	20.9	34.9	41.9	16.3	11.6	14.0	14.0	11.6	11.6	9.3
105°	20.9	20.9	16.3	18.6	9.3	7.0	7.0	9.3	9.3	11.6	11.6
107.5°	20.9	23.3	14.0	9.3	9.3	7.0	4.7	7.0	9.3	11.6	14.0
110°	18.6	18.6	11.6	9.3	7.0	7.0	4.7	7.0	9.3	14.0	14.0

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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)