

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: P695887

Luminaire Tested: **LXF.LXT-PA16-730-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695887  
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-PA16-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1340mA 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: 6975 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

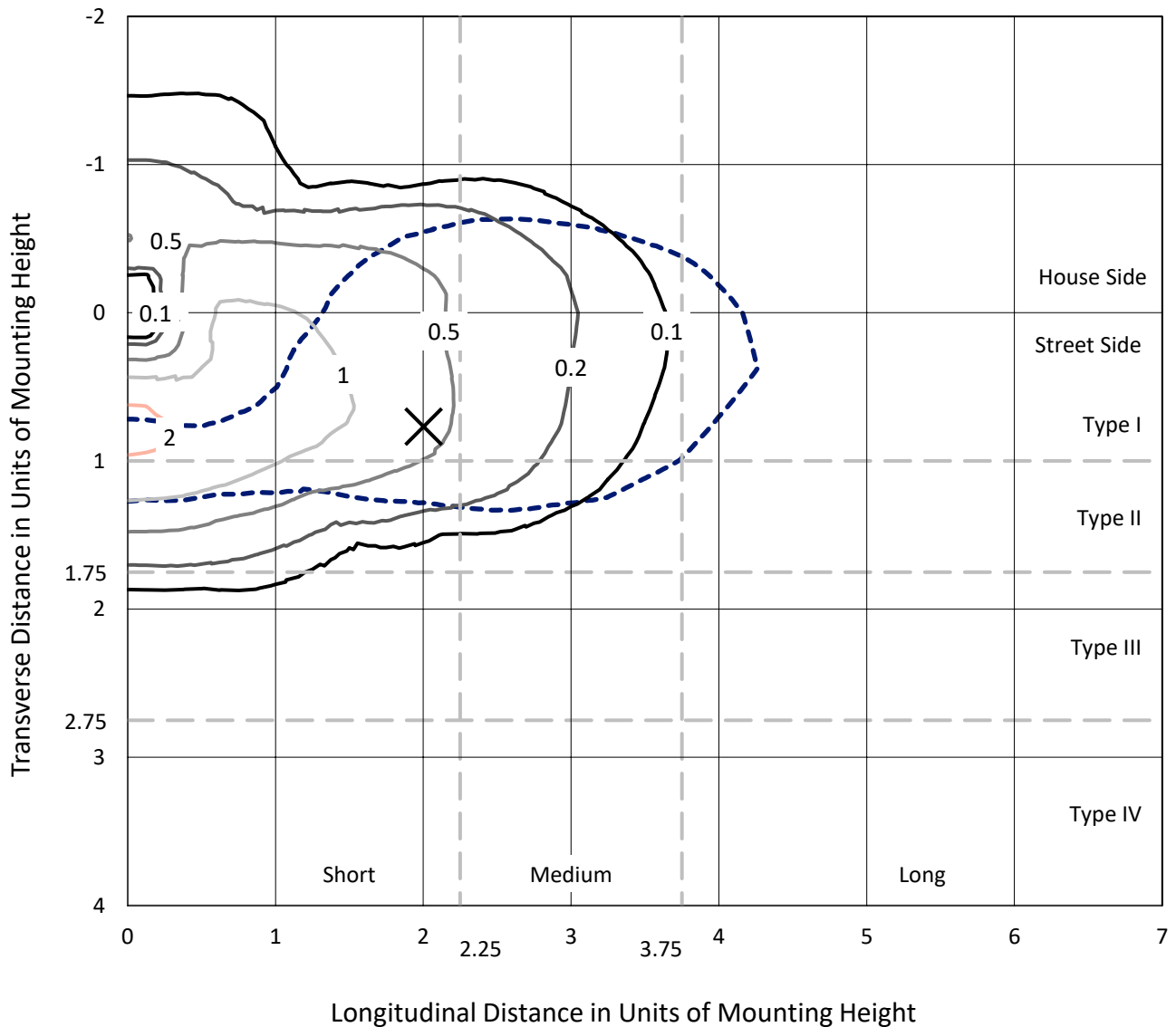
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

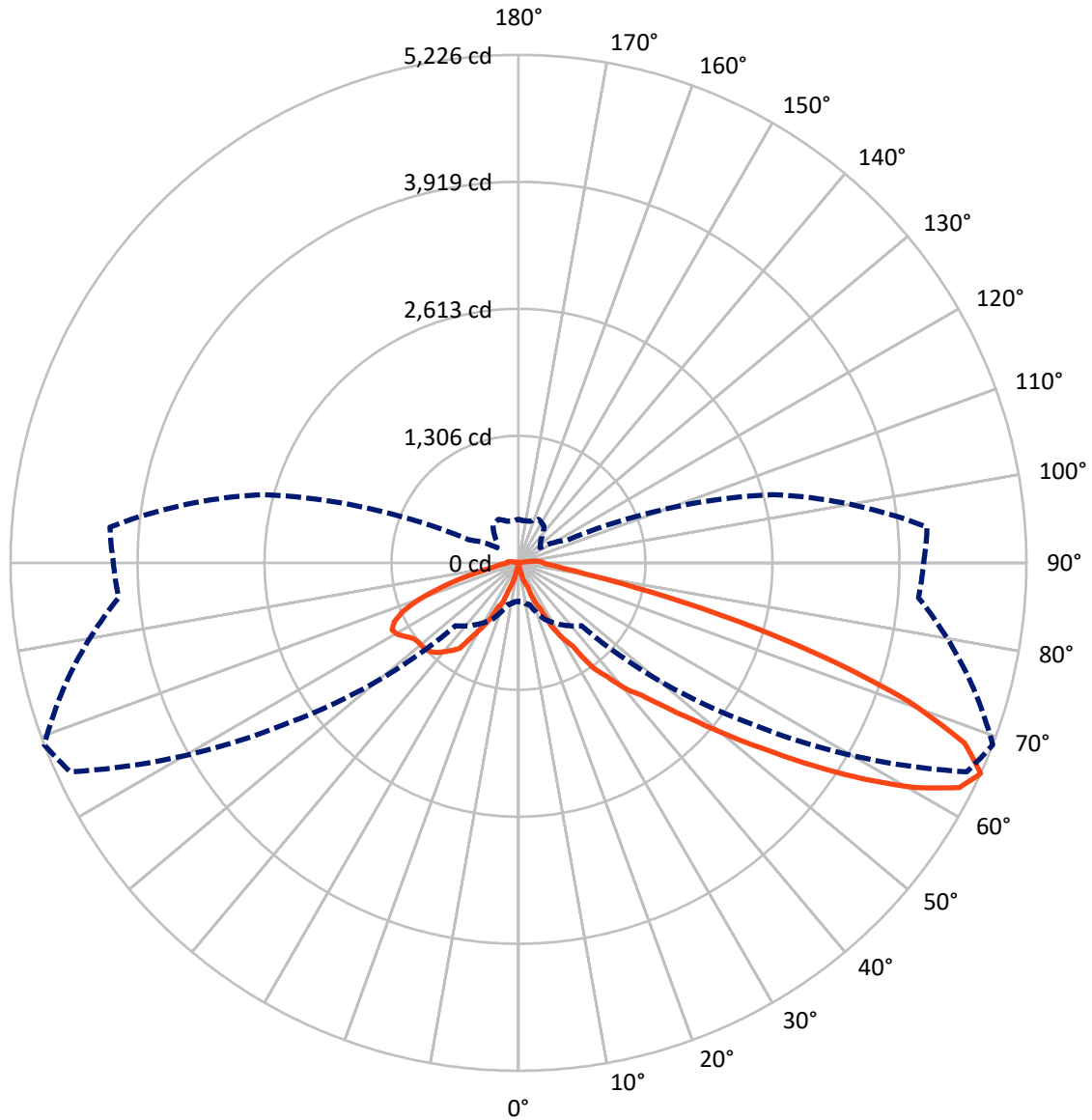
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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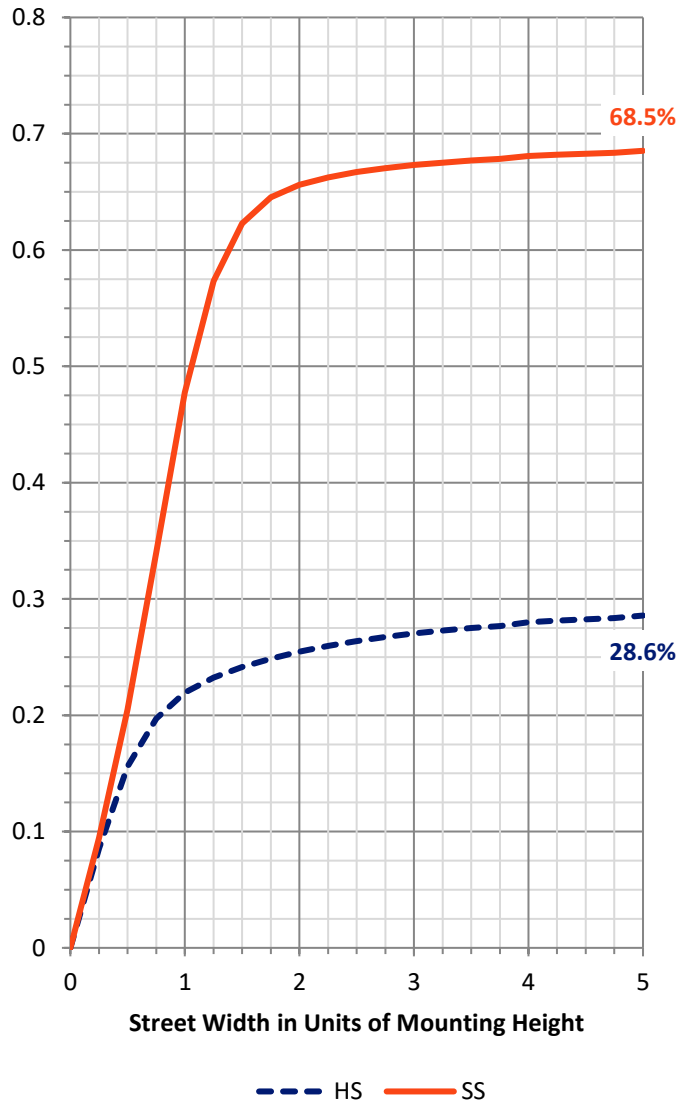
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2044.8	59.8	2104.6
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	4818.5	51.9	4870.4
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	6863.3	111.7	6975.0
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	42.1	0.6
20°-30°	268.6	3.9
30°-40°	737.1	10.6
40°-50°	1314.1	18.8
50°-60°	1705.7	24.5
60°-70°	1631.1	23.4
70°-80°	940.0	13.5
80°-90°	224.2	3.2
90°-100°	79.2	1.1
100°-110°	14.3	0.2
110°-120°	6.8	0.1
120°-130°	5.6	0.1
130°-140°	3.3	0.0
140°-150°	2.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6863.3	98.4
0°-180°	6975.0	100.0

**Coefficient of Utilization**

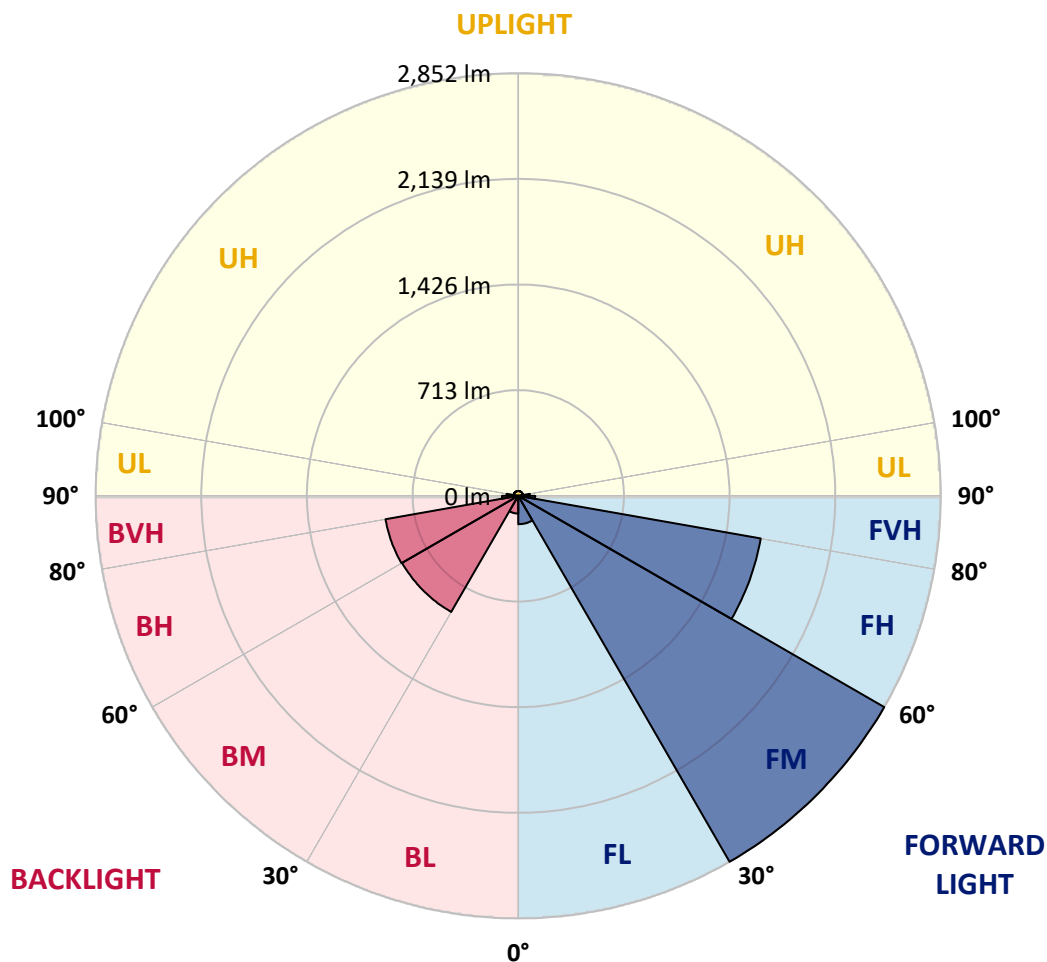


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.5	2.7			
FM (30°-60°)	2851.6	40.9			
FH (60°-80°)	1661.2	23.8			G1/1800
FVH (80°-90°)	114.1	1.6			G2/225
BL (0°-30°)	119.7	1.7	B1/500		
BM (30°-60°)	905.2	13.0	B1/1000		
BH (60°-80°)	909.9	13.0	B2/1000		G2/1000
BVH (80°-90°)	110.0	1.6			G2/225
UL (90°-100°)	79.2	1.1		U3/500	
UH (100°-180°)	32.5	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	2.4	2.4
5°	4.7	4.7	4.7	7.1	4.7	4.7	4.7	4.7	4.7	2.4	2.4
7.5°	9.4	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7	2.4	2.4
10°	40.1	33.0	26.0	18.9	11.8	7.1	7.1	4.7	4.7	4.7	4.7
12.5°	174.7	167.6	165.2	155.8	51.9	18.9	11.8	18.9	23.6	33.0	40.1
15°	205.3	203.0	198.3	184.1	174.7	129.8	42.5	160.5	174.7	184.1	186.5
17.5°	375.3	342.2	264.3	228.9	203.0	186.5	177.0	205.3	210.1	214.8	221.9
20°	507.4	507.4	486.2	427.2	259.6	309.2	304.5	245.5	257.3	318.6	401.2
22.5°	634.9	627.8	587.7	542.9	533.4	370.6	354.0	429.6	436.6	476.8	476.8
25°	1045.6	1045.6	927.6	684.5	639.6	538.1	545.2	549.9	533.4	542.9	566.5
27.5°	1241.5	1225.0	1180.1	1043.2	793.0	748.2	646.7	644.3	767.1	793.0	809.6
30°	1774.9	1767.8	1515.3	1229.7	1071.5	866.2	882.7	901.6	901.6	904.0	878.0
32.5°	2145.4	2154.9	2025.1	1635.6	1258.0	1064.5	1069.2	998.4	1022.0	1184.8	1196.6
35°	2506.6	2525.4	2346.1	1989.7	1623.8	1319.4	1196.6	1284.0	1333.5	1331.2	1300.5
37.5°	2872.4	2858.2	2700.1	2298.9	1902.3	1517.6	1458.6	1510.5	1486.9	1517.6	1420.9
40°	3129.7	3127.3	2985.7	2624.6	2185.6	1791.4	1645.1	1692.3	1708.8	1697.0	1571.9
42.5°	3306.7	3290.2	3231.1	2959.7	2556.1	2154.9	1890.5	1923.6	1866.9	1911.8	1753.6
45°	3379.8	3358.6	3349.2	3143.8	2877.1	2709.5	2239.9	2173.8	2110.0	2199.7	1966.1
47.5°	3280.7	3252.4	3306.7	3242.9	3129.7	3099.0	2648.2	2419.2	2409.8	2478.2	2230.4
50°	2959.7	2910.2	3056.5	3169.8	3250.0	3368.0	3106.1	2811.0	2780.3	2785.1	2478.2
52.5°	2449.9	2452.3	2626.9	2832.3	3202.8	3415.2	3545.1	3304.3	3198.1	3146.2	2728.4
55°	1956.6	1973.1	2105.3	2287.1	2813.4	3368.0	3880.2	3861.3	3681.9	3495.5	2995.1
57.5°	1406.7	1442.1	1645.1	1770.2	2277.6	3037.6	4047.8	4357.0	4201.2	3856.6	3280.7
60°	804.8	847.3	1069.2	1352.4	1744.2	2421.6	3965.2	4866.8	4696.8	4236.6	3566.3
62.5°	512.2	524.0	620.7	918.1	1140.0	1593.2	3615.9	5176.0	5091.0	4585.9	3875.5
65°	396.5	401.2	448.4	642.0	778.9	915.8	2844.1	5088.6	5225.5	4826.7	4130.4
67.5°	363.5	363.5	377.6	460.2	590.1	578.3	1838.6	4557.6	4949.4	4859.7	4215.4
70°	339.9	344.6	361.1	372.9	465.0	436.6	988.9	3606.4	4248.4	4536.4	4187.0
72.5°	297.4	302.1	323.4	354.0	361.1	354.0	552.3	2398.0	3228.8	3809.4	3958.1
75°	252.5	254.9	269.1	318.6	316.3	285.6	457.9	1432.7	2138.4	2794.5	3356.2
77.5°	207.7	214.8	231.3	257.3	287.9	226.6	408.3	842.6	1220.2	1758.4	2327.2
80°	153.4	158.1	174.7	212.4	231.3	195.9	337.5	547.6	684.5	911.0	1121.1
82.5°	110.9	113.3	127.5	153.4	165.2	167.6	264.3	441.4	469.7	502.7	505.1
85°	68.4	66.1	68.4	80.2	101.5	108.6	191.2	351.7	354.0	342.2	337.5
87.5°	30.7	30.7	23.6	28.3	33.0	33.0	99.1	278.5	278.5	264.3	273.8
90°	33.0	33.0	23.6	23.6	26.0	23.6	56.6	236.0	250.2	250.2	276.1
92.5°	35.4	33.0	26.0	23.6	23.6	21.2	35.4	188.8	226.6	250.2	285.6
95°	33.0	33.0	23.6	21.2	21.2	18.9	28.3	129.8	181.7	203.0	243.1
97.5°	23.6	23.6	16.5	16.5	18.9	16.5	21.2	54.3	70.8	92.0	122.7
100°	16.5	16.5	11.8	11.8	11.8	11.8	14.2	23.6	28.3	23.6	28.3
102.5°	14.2	16.5	9.4	9.4	9.4	7.1	9.4	11.8	14.2	16.5	21.2
105°	14.2	14.2	7.1	7.1	7.1	7.1	4.7	9.4	9.4	11.8	21.2
107.5°	9.4	9.4	7.1	7.1	4.7	4.7	4.7	7.1	9.4	11.8	21.2
110°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	7.1	9.4	9.4	16.5

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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	2.4	2.4	4.7	4.7	7.1	7.1	7.1	11.8
115°	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	7.1	7.1	11.8
117.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
120°	7.1	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
122.5°	7.1	7.1	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	11.8
125°	7.1	7.1	4.7	2.4	2.4	2.4	2.4	4.7	4.7	7.1	9.4
127.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	9.4
130°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	9.4
132.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1
135°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7
137.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7
140°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
145°	4.7	7.1	4.7	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	7.1	7.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	7.1	7.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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°	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	2.4	2.4	2.4	2.4	2.4	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°	37.8	35.4	30.7	16.5	7.1	4.7	4.7	4.7	7.1	9.4	9.4
15°	191.2	193.5	188.8	169.9	42.5	11.8	7.1	21.2	80.2	139.3	96.8
17.5°	221.9	224.2	219.5	214.8	195.9	87.3	56.6	186.5	193.5	207.7	203.0
20°	408.3	403.6	337.5	250.2	226.6	210.1	177.0	214.8	226.6	231.3	231.3
22.5°	474.4	472.0	462.6	436.6	269.1	313.9	280.9	236.0	387.1	406.0	403.6
25°	549.9	535.8	509.8	486.2	465.0	344.6	347.0	375.3	396.5	398.9	398.9
27.5°	788.3	769.4	726.9	604.2	545.2	429.6	434.3	384.7	387.1	465.0	479.1
30°	856.8	826.1	781.2	757.6	627.8	505.1	415.4	441.4	455.5	453.2	457.9
32.5°	1142.3	1097.5	941.7	847.3	691.5	488.6	434.3	427.2	427.2	465.0	469.7
35°	1232.0	1166.0	1081.0	1057.4	703.3	479.1	410.7	417.8	472.0	479.1	476.8
37.5°	1338.2	1246.2	1161.2	1104.6	736.4	443.7	389.4	420.1	436.6	436.6	434.3
40°	1456.3	1364.2	1276.9	1118.7	701.0	408.3	391.8	398.9	410.7	403.6	401.2
42.5°	1628.6	1505.8	1427.9	1118.7	611.3	387.1	382.4	382.4	391.8	384.7	382.4
45°	1838.6	1697.0	1555.4	1102.2	519.2	375.3	377.6	375.3	384.7	375.3	372.9
47.5°	2060.5	1914.1	1671.0	1062.1	448.4	365.8	384.7	372.9	375.3	361.1	358.8
50°	2313.0	2154.9	1791.4	991.3	408.3	365.8	382.4	375.3	368.2	354.0	351.7
52.5°	2567.9	2407.4	1933.0	904.0	380.0	358.8	384.7	382.4	372.9	351.7	351.7
55°	2829.9	2719.0	2095.9	828.4	349.3	356.4	396.5	396.5	377.6	349.3	347.0
57.5°	3110.8	3035.2	2275.3	800.1	321.0	342.2	415.4	420.1	384.7	347.0	347.0
60°	3438.8	3469.5	2466.4	767.1	302.1	330.4	424.8	441.4	394.2	347.0	347.0
62.5°	3847.2	3934.5	2645.8	691.5	285.6	313.9	434.3	465.0	422.5	387.1	389.4
65°	4168.2	4220.1	2709.5	554.7	269.1	321.0	457.9	493.3	441.4	436.6	448.4
67.5°	4345.2	4321.6	2612.8	422.5	250.2	316.3	450.8	512.2	462.6	474.4	481.5
70°	4340.5	4168.2	2291.8	325.7	233.7	311.5	457.9	505.1	474.4	507.4	528.7
72.5°	4038.3	3646.5	1737.1	283.2	233.7	306.8	446.1	486.2	476.8	509.8	526.3
75°	3245.3	2770.9	1191.9	247.8	221.9	292.7	424.8	453.2	434.3	462.6	472.0
77.5°	2150.2	1822.1	665.6	224.2	219.5	269.1	387.1	401.2	380.0	398.9	406.0
80°	1007.8	840.2	370.6	207.7	212.4	238.4	318.6	339.9	306.8	325.7	325.7
82.5°	462.6	427.2	280.9	188.8	191.2	181.7	247.8	280.9	250.2	259.6	250.2
85°	311.5	313.9	224.2	160.5	155.8	129.8	195.9	217.1	188.8	195.9	165.2
87.5°	271.4	278.5	179.4	103.8	89.7	80.2	127.5	132.2	96.8	80.2	77.9
90°	278.5	280.9	165.2	77.9	54.3	42.5	68.4	66.1	42.5	37.8	37.8
92.5°	287.9	287.9	167.6	82.6	54.3	40.1	61.4	49.6	37.8	33.0	33.0
95°	262.0	247.8	146.3	82.6	51.9	35.4	49.6	42.5	33.0	33.0	30.7
97.5°	160.5	146.3	108.6	82.6	42.5	30.7	37.8	33.0	23.6	21.2	21.2
100°	44.8	37.8	68.4	66.1	30.7	21.2	26.0	21.2	14.2	11.8	9.4
102.5°	21.2	21.2	35.4	42.5	16.5	11.8	14.2	14.2	11.8	11.8	9.4
105°	21.2	21.2	16.5	18.9	9.4	7.1	7.1	9.4	9.4	11.8	11.8
107.5°	21.2	23.6	14.2	9.4	9.4	7.1	4.7	7.1	9.4	11.8	14.2
110°	18.9	18.9	11.8	9.4	7.1	7.1	4.7	7.1	9.4	14.2	14.2

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	14.2	9.4	9.4	7.1	7.1	4.7	4.7	9.4	14.2	16.5
115°	11.8	11.8	9.4	7.1	4.7	4.7	4.7	4.7	9.4	16.5	18.9
117.5°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	4.7	9.4	18.9	18.9
120°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	7.1	11.8	18.9	21.2
122.5°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	7.1	11.8	18.9	21.2
125°	11.8	11.8	7.1	4.7	4.7	4.7	4.7	7.1	11.8	18.9	18.9
127.5°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	4.7	9.4	16.5	18.9
130°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	4.7	9.4	16.5	16.5
132.5°	7.1	7.1	4.7	4.7	4.7	2.4	4.7	4.7	9.4	14.2	14.2
135°	4.7	4.7	4.7	2.4	2.4	2.4	4.7	4.7	7.1	9.4	11.8
137.5°	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7	7.1	7.1	7.1
140°	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7	4.7	7.1	7.1
142.5°	2.4	2.4	2.4	2.4	4.7	2.4	4.7	4.7	4.7	7.1	7.1
145°	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7	7.1	7.1
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1	7.1
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	7.1	7.1
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)