

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: P695889

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695889  
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-PA16-730-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 6736 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

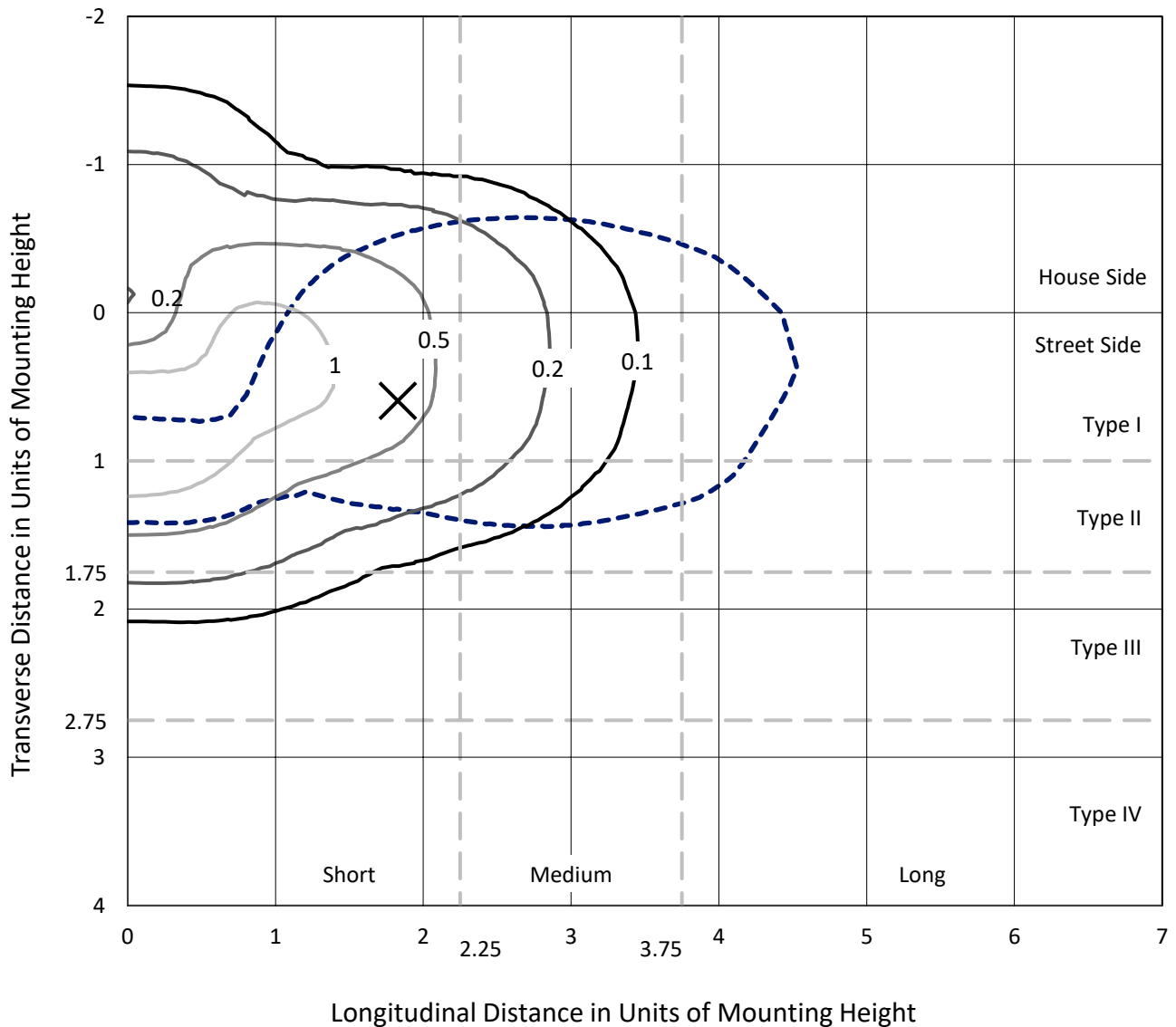
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

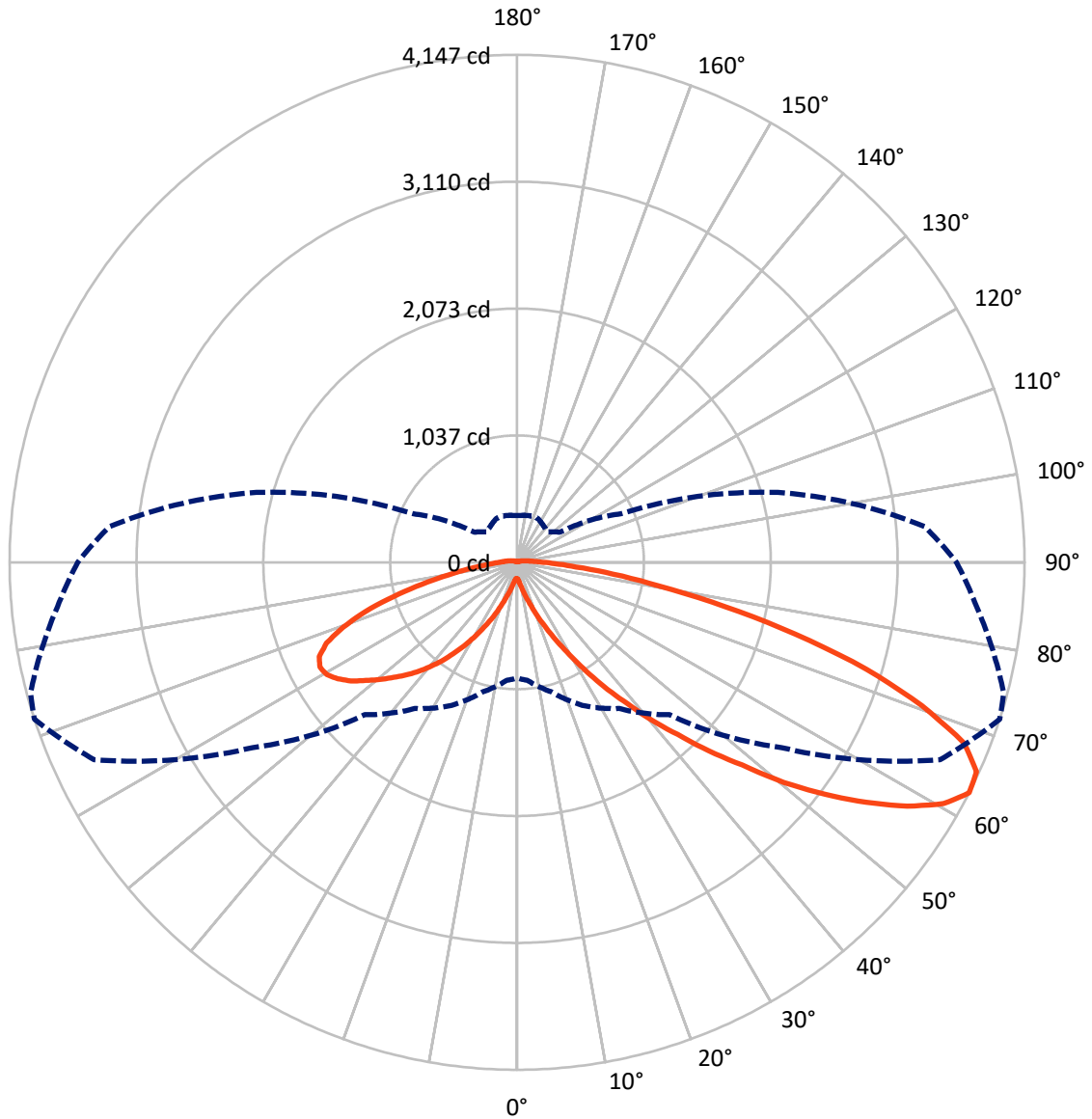
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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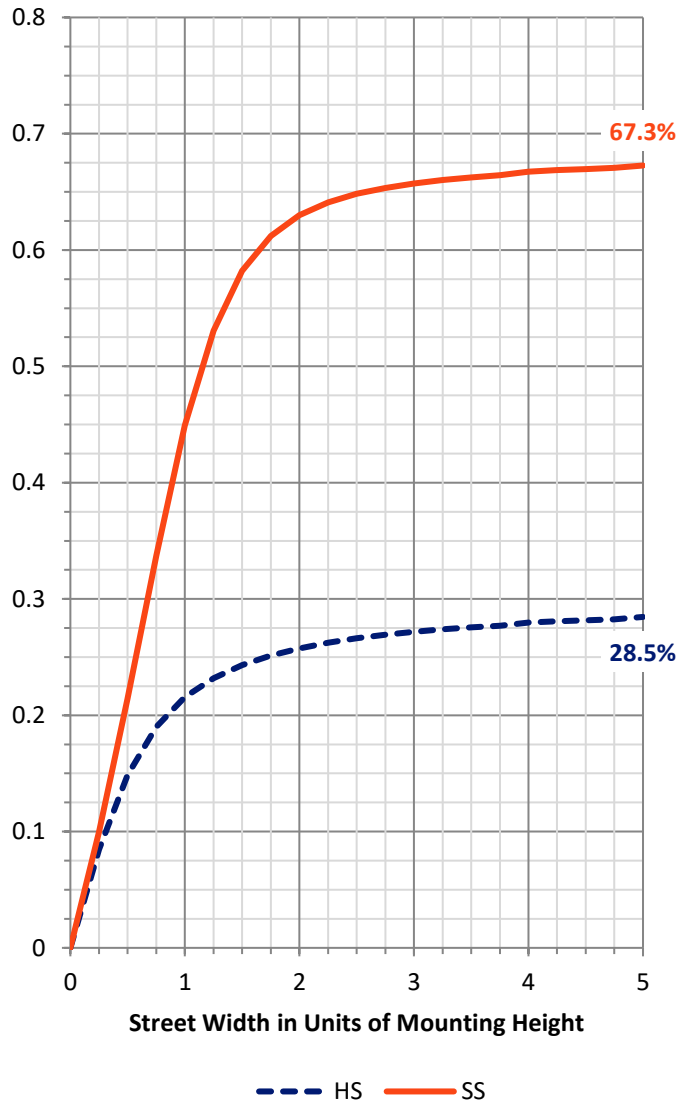
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1975.0	100.5	2075.5
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	4579.1	81.4	4660.5
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	6554.0	181.9	6736.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.6	0.2
10°-20°	85.1	1.3
20°-30°	280.8	4.2
30°-40°	670.7	10.0
40°-50°	1192.5	17.7
50°-60°	1576.7	23.4
60°-70°	1514.8	22.5
70°-80°	919.5	13.7
80°-90°	298.3	4.4
90°-100°	91.7	1.4
100°-110°	42.8	0.6
110°-120°	22.2	0.3
120°-130°	13.1	0.2
130°-140°	7.9	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°	6554.0	97.3
0°-180°	6736.0	100.0

**Coefficient of Utilization**

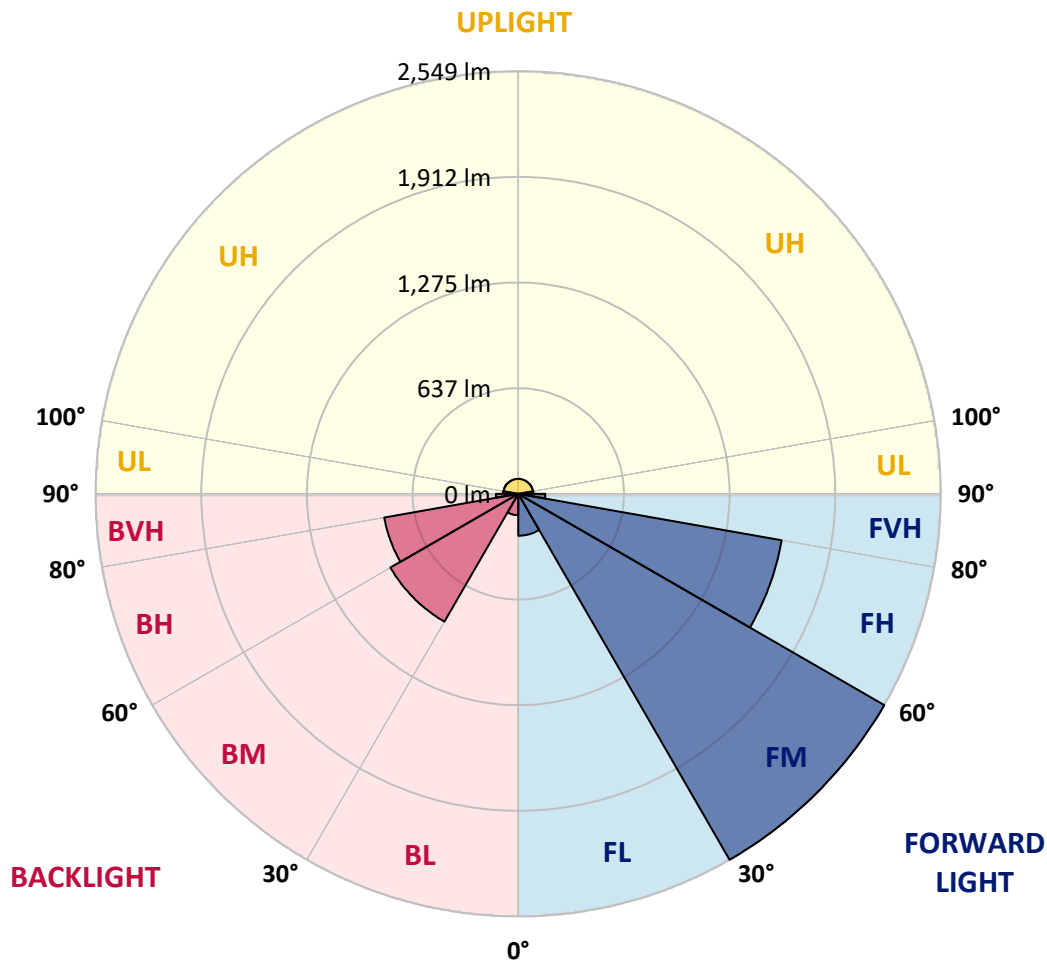


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.6	3.8			
FM (30°-60°)	2549.5	37.8			
FH (60°-80°)	1613.7	24.0			G1/1800
FVH (80°-90°)	163.2	2.4			G2/225
BL (0°-30°)	128.8	1.9	B1/500		
BM (30°-60°)	890.4	13.2	B1/1000		
BH (60°-80°)	820.7	12.2	B2/1000		G2/1000
BVH (80°-90°)	135.1	2.0			G2/225
UL (90°-100°)	91.7	1.4		U3/500	
UH (100°-180°)	90.2	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°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	148.7	151.0	148.7	151.0	148.7	146.3	146.3	141.6	141.6	139.2	136.9
5°	177.0	179.4	179.4	177.0	172.3	169.9	162.8	160.5	155.8	153.4	148.7
7.5°	217.1	214.8	217.1	210.0	207.7	203.0	193.5	186.4	179.4	177.0	169.9
10°	269.0	266.7	264.3	259.6	252.5	243.1	233.6	219.5	214.8	212.4	200.6
12.5°	330.4	335.1	328.0	321.0	309.2	297.4	280.8	264.3	257.2	254.9	236.0
15°	420.1	420.1	410.6	398.8	375.2	356.4	339.8	323.3	311.5	306.8	290.3
17.5°	533.4	526.3	514.5	486.2	464.9	434.2	415.4	389.4	377.6	375.2	354.0
20°	658.4	663.2	637.2	601.8	561.7	523.9	495.6	469.6	457.8	455.5	429.5
22.5°	823.6	823.6	788.2	741.0	675.0	623.0	590.0	564.0	547.5	538.1	521.6
25°	1014.8	1014.8	974.7	882.6	811.8	741.0	693.8	665.5	658.4	649.0	625.4
27.5°	1243.7	1250.8	1175.3	1083.2	953.4	868.5	811.8	795.3	781.2	785.9	738.7
30°	1508.0	1496.2	1416.0	1274.4	1125.7	1014.8	958.2	934.6	925.1	927.5	885.0
32.5°	1760.6	1741.7	1668.5	1505.7	1307.4	1182.4	1118.6	1099.8	1092.7	1083.2	1031.3
35°	2053.2	2036.7	1932.8	1734.6	1515.1	1352.3	1276.8	1276.8	1276.8	1265.0	1189.4
37.5°	2336.4	2305.7	2192.4	1975.3	1720.4	1536.4	1472.6	1482.1	1467.9	1451.4	1366.4
40°	2563.0	2541.7	2433.2	2211.3	1930.5	1737.0	1675.6	1689.8	1696.8	1673.2	1555.2
42.5°	2723.4	2714.0	2626.7	2419.0	2119.3	1935.2	1911.6	1928.1	1923.4	1897.4	1767.6
45°	2801.3	2791.9	2735.2	2565.3	2303.4	2131.1	2133.4	2206.6	2194.8	2166.5	1980.0
47.5°	2758.8	2770.6	2749.4	2643.2	2419.0	2296.3	2362.4	2492.2	2475.6	2449.7	2220.8
50°	2631.4	2626.7	2659.7	2622.0	2463.8	2407.2	2586.6	2822.6	2827.3	2758.8	2496.9
52.5°	2364.7	2376.5	2470.9	2492.2	2426.1	2449.7	2775.4	3141.2	3150.6	3068.0	2761.2
55°	2048.5	2046.1	2168.8	2277.4	2282.1	2402.5	2883.9	3414.9	3462.1	3400.8	3044.4
57.5°	1628.4	1670.9	1798.3	1970.6	2055.6	2258.5	2921.7	3660.4	3759.5	3674.5	3299.3
60°	1260.2	1293.3	1446.7	1633.1	1770.0	2039.0	2827.3	3794.9	4004.9	3945.9	3573.1
62.5°	946.4	967.6	1097.4	1293.3	1458.5	1760.6	2638.5	3813.8	4146.5	4115.9	3754.8
65°	696.2	708.0	833.1	1003.0	1165.8	1427.8	2298.6	3653.3	4125.3	4146.5	3879.9
67.5°	505.0	523.9	616.0	767.0	906.2	1144.6	1928.1	3308.7	3938.9	4000.2	3835.0
70°	398.8	408.3	472.0	590.0	691.5	873.2	1555.2	2834.4	3509.3	3648.6	3610.8
72.5°	321.0	325.7	375.2	464.9	531.0	663.2	1175.3	2291.6	2985.4	3145.9	3233.2
75°	264.3	269.0	309.2	370.5	422.4	495.6	861.4	1734.6	2345.8	2520.5	2709.3
77.5°	210.0	219.5	250.2	297.4	335.1	377.6	604.2	1253.2	1734.6	1871.5	2091.0
80°	167.6	172.3	200.6	238.4	266.7	297.4	443.7	830.7	1172.9	1342.8	1508.0
82.5°	127.4	132.2	153.4	184.1	207.7	228.9	316.2	547.5	788.2	873.2	965.2
85°	92.0	92.0	113.3	139.2	160.5	181.7	231.3	356.4	481.4	531.0	594.7
87.5°	61.4	63.7	77.9	101.5	125.1	141.6	169.9	233.6	306.8	323.3	365.8
90°	42.5	44.8	54.3	73.2	94.4	110.9	127.4	160.5	193.5	210.0	240.7
92.5°	30.7	33.0	42.5	54.3	73.2	89.7	101.5	115.6	136.9	148.7	165.2
95°	23.6	26.0	33.0	44.8	59.0	73.2	82.6	89.7	103.8	110.9	122.7
97.5°	21.2	21.2	28.3	37.8	49.6	61.4	68.4	73.2	82.6	87.3	96.8
100°	18.9	18.9	23.6	33.0	42.5	51.9	56.6	59.0	66.1	68.4	75.5
102.5°	16.5	16.5	21.2	28.3	37.8	44.8	49.6	49.6	54.3	54.3	59.0
105°	14.2	14.2	18.9	26.0	33.0	40.1	42.5	42.5	42.5	44.8	44.8
107.5°	14.2	14.2	16.5	23.6	28.3	35.4	37.8	35.4	35.4	35.4	35.4
110°	11.8	11.8	16.5	21.2	26.0	30.7	30.7	30.7	28.3	28.3	28.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.8	11.8	14.2	18.9	23.6	26.0	28.3	26.0	23.6	23.6	23.6
115°	11.8	11.8	14.2	16.5	21.2	23.6	23.6	21.2	18.9	18.9	18.9
117.5°	9.4	11.8	11.8	16.5	18.9	21.2	21.2	18.9	16.5	16.5	16.5
120°	9.4	9.4	11.8	14.2	16.5	18.9	18.9	16.5	14.2	14.2	16.5
122.5°	9.4	9.4	11.8	14.2	16.5	16.5	16.5	14.2	14.2	14.2	14.2
125°	9.4	9.4	9.4	11.8	14.2	16.5	14.2	14.2	11.8	11.8	14.2
127.5°	9.4	9.4	9.4	11.8	14.2	14.2	14.2	11.8	11.8	11.8	11.8
130°	9.4	9.4	9.4	9.4	11.8	11.8	11.8	11.8	9.4	9.4	11.8
132.5°	9.4	9.4	9.4	9.4	11.8	11.8	11.8	9.4	9.4	9.4	9.4
135°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.1	9.4	9.4
137.5°	9.4	9.4	7.1	9.4	9.4	9.4	9.4	7.1	7.1	7.1	9.4
140°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
142.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	4.7	4.7	7.1	7.1
145°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.1	7.1	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	2.4	2.4	2.4	2.4	2.4	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°	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5	134.5
2.5°	136.9	134.5	132.2	129.8	129.8	127.4	127.4	125.1	125.1	125.1	125.1
5°	146.3	144.0	139.2	134.5	129.8	127.4	122.7	120.4	120.4	118.0	118.0
7.5°	167.6	160.5	153.4	146.3	139.2	132.2	127.4	122.7	120.4	120.4	120.4
10°	193.5	188.8	174.6	165.2	155.8	146.3	139.2	132.2	127.4	127.4	125.1
12.5°	233.6	226.6	207.7	195.9	179.4	165.2	155.8	146.3	141.6	139.2	139.2
15°	280.8	271.4	254.9	231.3	210.0	191.2	177.0	169.9	165.2	162.8	162.8
17.5°	344.6	330.4	304.4	276.1	247.8	221.8	207.7	195.9	188.8	191.2	191.2
20°	420.1	403.6	368.2	330.4	290.3	262.0	238.4	226.6	221.8	221.8	221.8
22.5°	502.7	483.8	446.0	394.1	342.2	302.1	271.4	257.2	257.2	257.2	257.2
25°	611.2	578.2	531.0	462.6	394.1	337.5	304.4	292.6	292.6	295.0	297.4
27.5°	715.1	693.8	623.0	535.7	448.4	375.2	332.8	321.0	328.0	332.8	335.1
30°	847.2	809.5	724.5	611.2	498.0	405.9	358.7	349.3	361.1	368.2	370.5
32.5°	993.6	941.6	833.1	693.8	542.8	429.5	377.6	372.9	384.7	396.5	396.5
35°	1142.2	1080.9	944.0	774.1	578.2	443.7	389.4	389.4	403.6	415.4	415.4
37.5°	1305.1	1222.5	1064.4	842.5	606.5	450.8	396.5	398.8	415.4	422.4	424.8
40°	1477.4	1383.0	1177.6	906.2	620.7	448.4	398.8	405.9	417.7	424.8	424.8
42.5°	1656.7	1550.5	1300.4	953.4	623.0	443.7	396.5	405.9	417.7	420.1	420.1
45°	1859.7	1734.6	1418.4	988.8	613.6	434.2	394.1	405.9	413.0	410.6	410.6
47.5°	2083.9	1930.5	1531.6	1017.2	594.7	422.4	391.8	405.9	408.3	403.6	401.2
50°	2336.4	2147.6	1663.8	1029.0	573.5	410.6	389.4	403.6	403.6	394.1	394.1
52.5°	2598.4	2397.8	1798.3	1031.3	547.5	398.8	389.4	403.6	401.2	387.0	387.0
55°	2839.1	2643.2	1942.3	1029.0	519.2	384.7	384.7	403.6	398.8	384.7	384.7
57.5°	3148.3	2905.2	2062.6	1010.1	488.5	375.2	382.3	403.6	396.5	382.3	382.3
60°	3379.5	3145.9	2157.0	984.1	460.2	361.1	377.6	401.2	394.1	382.3	382.3
62.5°	3589.6	3344.1	2204.2	939.3	427.2	349.3	370.5	396.5	394.1	384.7	382.3
65°	3695.8	3429.1	2185.4	870.8	396.5	335.1	363.4	391.8	389.4	382.3	382.3
67.5°	3669.8	3396.1	2079.2	783.5	365.8	321.0	351.6	377.6	380.0	377.6	377.6
70°	3478.7	3176.6	1878.6	675.0	337.5	302.1	337.5	363.4	365.8	365.8	368.2
72.5°	3105.8	2806.1	1619.0	573.5	306.8	283.2	316.2	342.2	346.9	349.3	346.9
75°	2610.2	2305.7	1295.6	474.4	278.5	262.0	292.6	316.2	323.3	323.3	323.3
77.5°	2008.4	1762.9	977.0	380.0	250.2	238.4	266.7	287.9	292.6	295.0	292.6
80°	1425.4	1243.7	689.1	306.8	221.8	214.8	236.0	252.5	257.2	262.0	259.6
82.5°	929.8	830.7	483.8	243.1	191.2	186.4	205.3	217.1	221.8	221.8	219.5
85°	564.0	516.8	318.6	193.5	162.8	158.1	172.3	179.4	181.7	181.7	181.7
87.5°	351.6	318.6	224.2	155.8	136.9	134.5	141.6	144.0	151.0	148.7	146.3
90°	226.6	212.4	165.2	122.7	110.9	110.9	115.6	115.6	120.4	120.4	115.6
92.5°	162.8	155.8	127.4	101.5	92.0	94.4	96.8	94.4	96.8	96.8	96.8
95°	125.1	120.4	106.2	87.3	77.9	80.2	77.9	77.9	80.2	80.2	77.9
97.5°	99.1	99.1	87.3	73.2	68.4	66.1	68.4	66.1	68.4	66.1	63.7
100°	77.9	77.9	73.2	63.7	59.0	56.6	59.0	56.6	59.0	56.6	54.3
102.5°	61.4	63.7	61.4	54.3	51.9	49.6	49.6	49.6	49.6	47.2	47.2
105°	47.2	49.6	51.9	47.2	44.8	42.5	42.5	42.5	42.5	40.1	37.8
107.5°	37.8	40.1	42.5	40.1	40.1	37.8	37.8	37.8	35.4	33.0	33.0
110°	30.7	33.0	35.4	35.4	33.0	33.0	33.0	33.0	30.7	28.3	28.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.0	26.0	28.3	30.7	30.7	30.7	30.7	28.3	26.0	26.0	26.0
115°	21.2	23.6	26.0	26.0	26.0	26.0	26.0	23.6	23.6	21.2	21.2
117.5°	18.9	18.9	21.2	23.6	23.6	23.6	23.6	21.2	18.9	18.9	21.2
120°	16.5	16.5	18.9	21.2	21.2	21.2	21.2	18.9	16.5	18.9	18.9
122.5°	16.5	16.5	16.5	18.9	18.9	18.9	18.9	16.5	16.5	16.5	16.5
125°	14.2	14.2	16.5	16.5	16.5	16.5	16.5	14.2	14.2	16.5	16.5
127.5°	14.2	14.2	14.2	14.2	16.5	16.5	14.2	14.2	14.2	14.2	14.2
130°	11.8	11.8	14.2	14.2	14.2	14.2	14.2	11.8	11.8	14.2	14.2
132.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
135°	9.4	9.4	11.8	11.8	11.8	11.8	11.8	9.4	11.8	11.8	11.8
137.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	11.8	11.8
140°	7.1	7.1	7.1	9.4	9.4	9.4	9.4	7.1	9.4	9.4	9.4
142.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	9.4	9.4
145°	4.7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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)