

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: P695716

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6476 lumens  
Efficiency: N/A  
Efficacy: 104.5 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

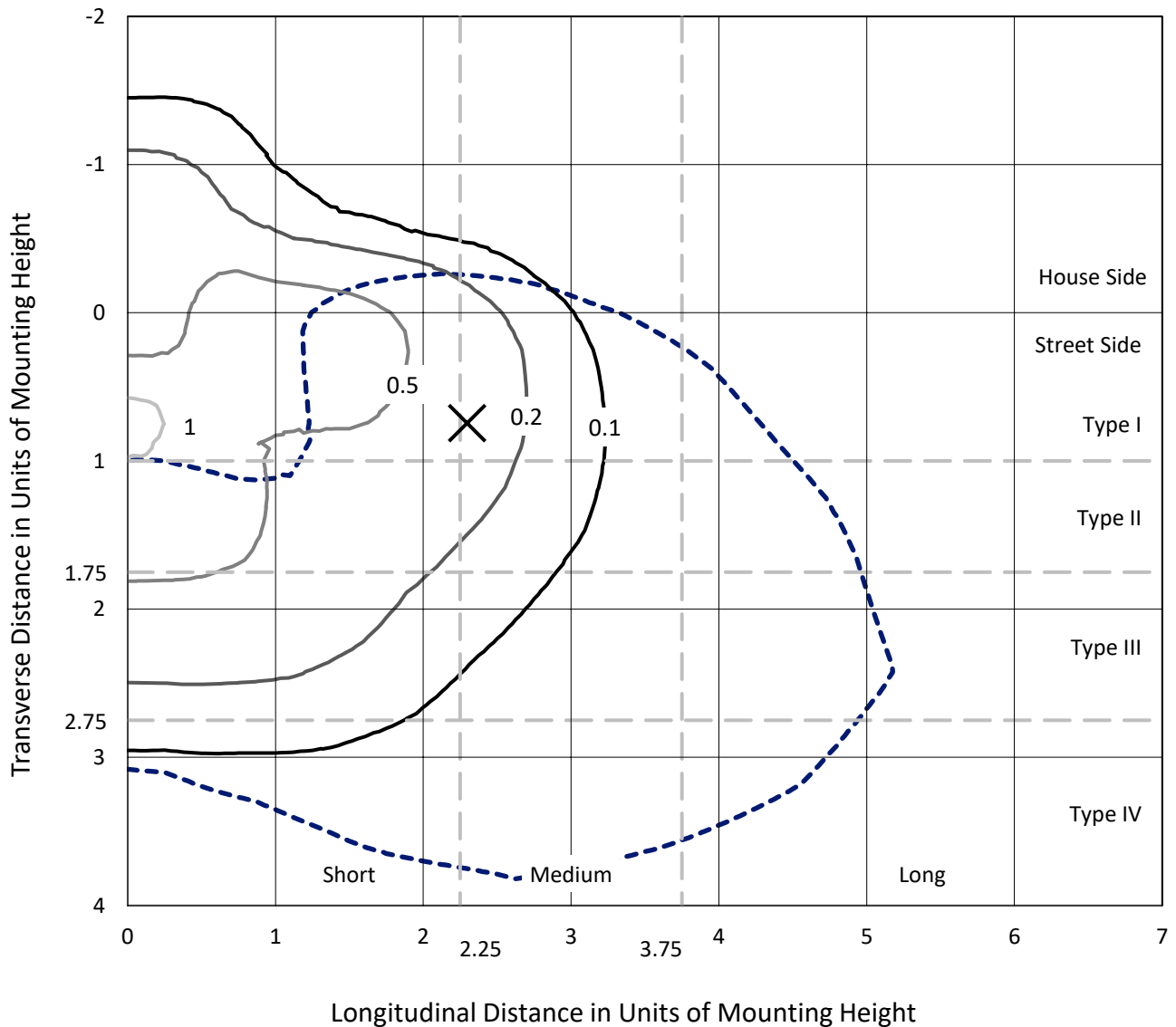
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

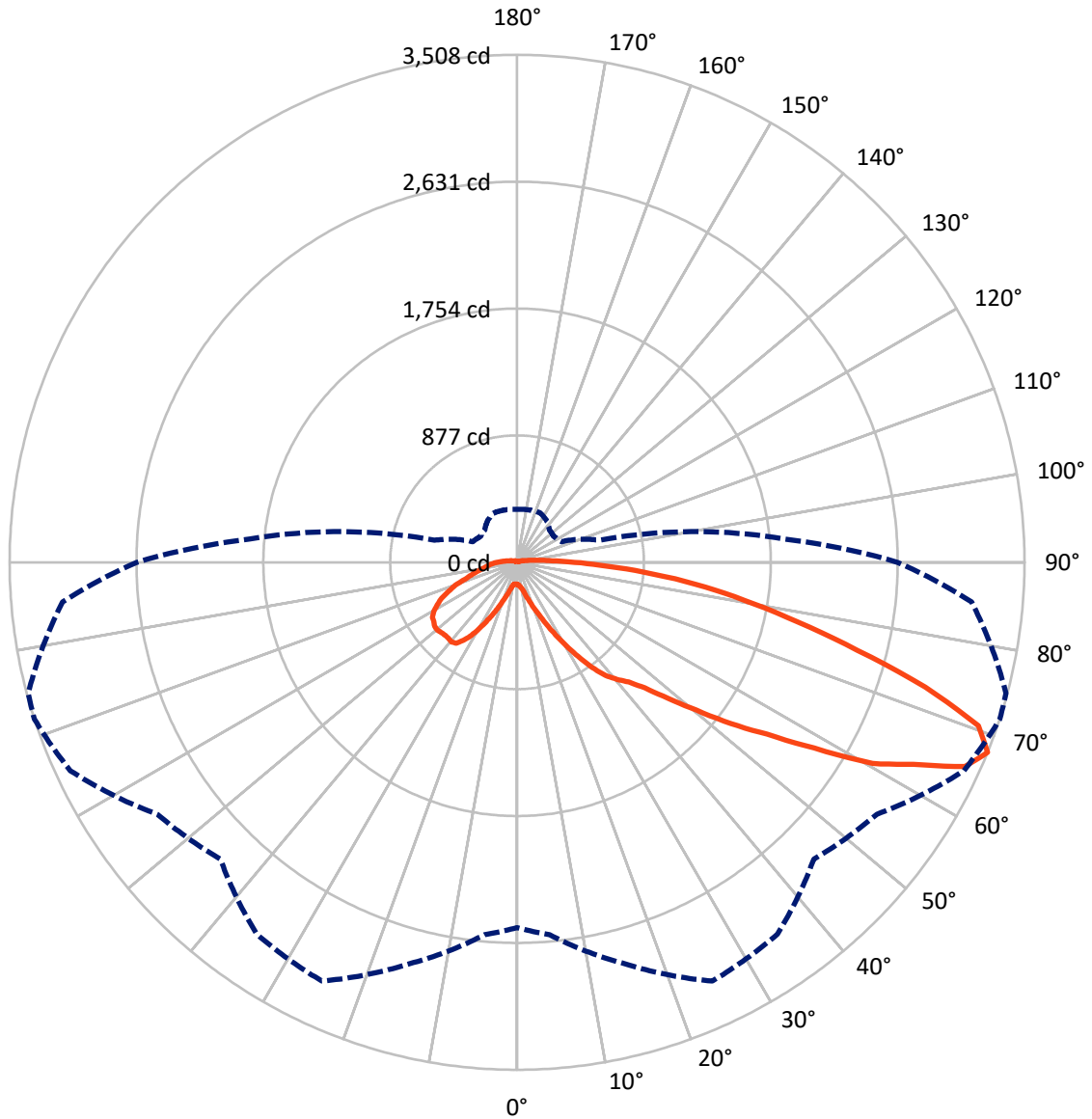
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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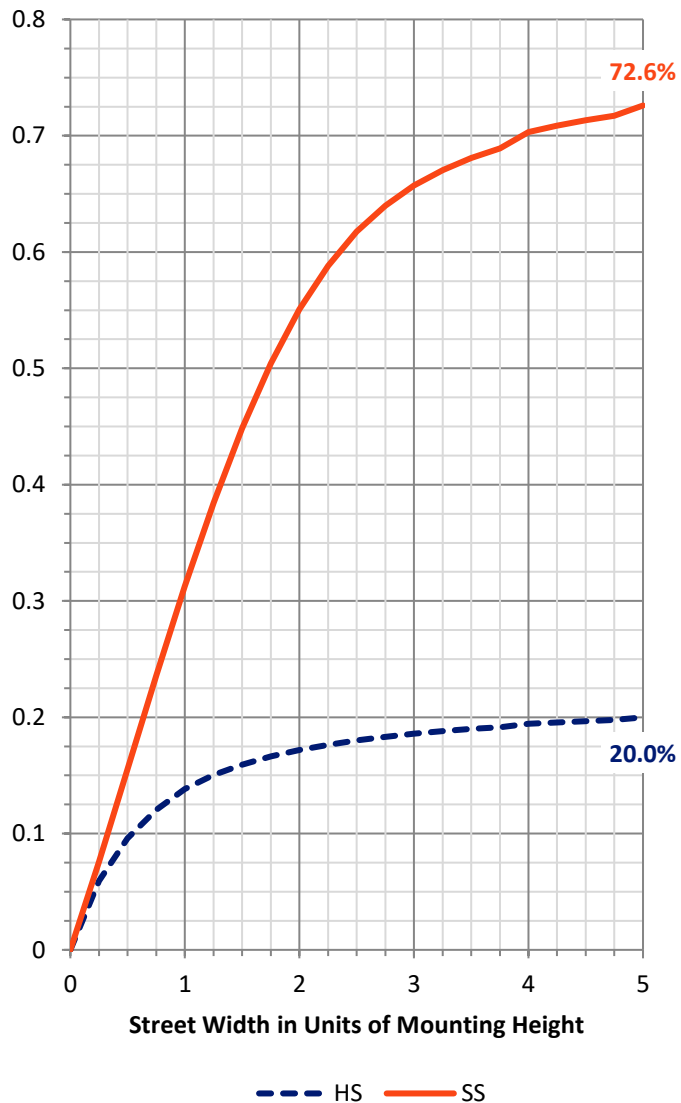
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1366.8	117.5	1484.3
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	4866.6	125.1	4991.7
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	6233.4	242.6	6476.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.2
10°-20°	67.1	1.0
20°-30°	203.3	3.1
30°-40°	457.5	7.1
40°-50°	734.4	11.3
50°-60°	1190.5	18.4
60°-70°	1736.4	26.8
70°-80°	1301.7	20.1
80°-90°	526.9	8.1
90°-100°	146.3	2.3
100°-110°	48.0	0.7
110°-120°	22.1	0.3
120°-130°	13.3	0.2
130°-140°	8.5	0.1
140°-150°	4.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6233.4	96.3
0°-180°	6476.0	100.0

**Coefficient of Utilization**



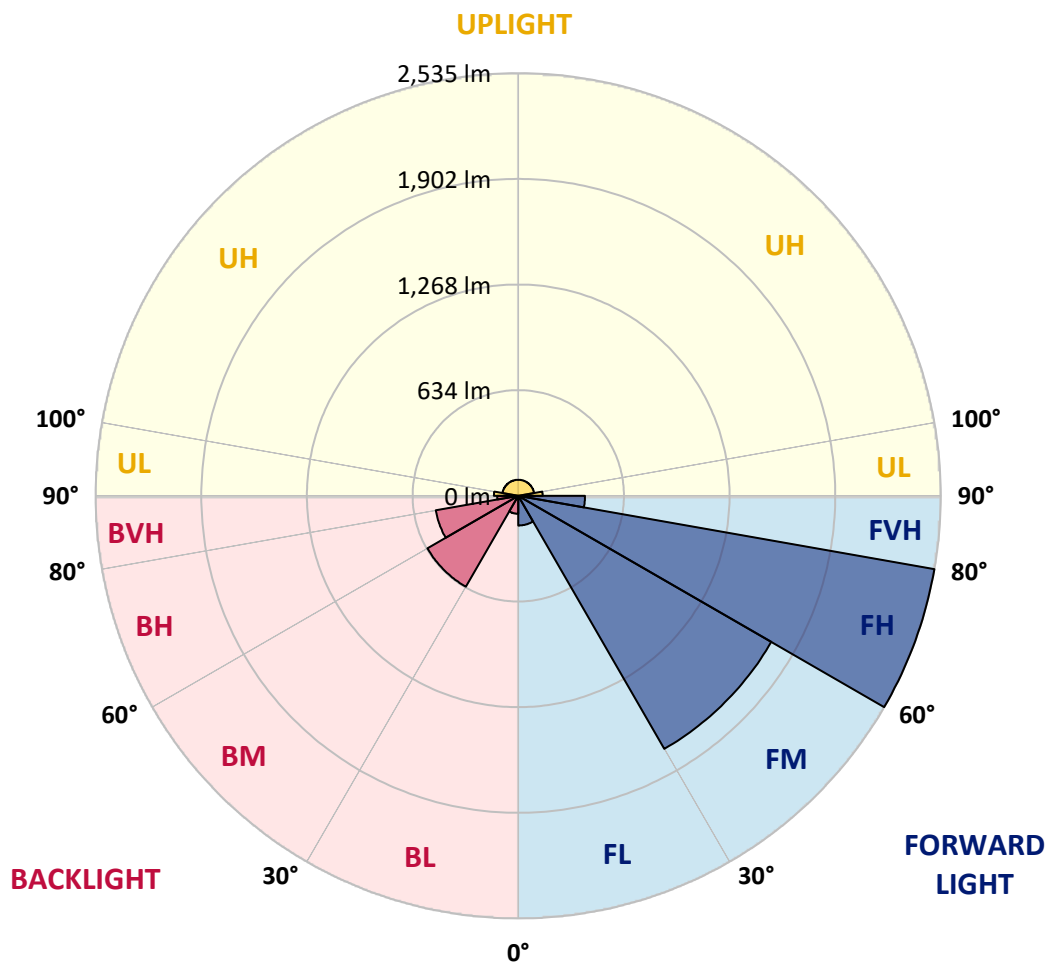
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.0	2.7			
FM (30°-60°)	1753.0	27.1			
FH (60°-80°)	2535.5	39.2			G2/5000
FVH (80°-90°)	400.1	6.2			G3/500
BL (0°-30°)	107.8	1.7	B0/110		
BM (30°-60°)	629.5	9.7	B1/1000		
BH (60°-80°)	502.6	7.8	B2/1000		G2/1000
BVH (80°-90°)	126.8	2.0			G2/225
UL (90°-100°)	146.3	2.3		U3/500	
UH (100°-180°)	96.3	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°	72°	75°	85°
0°	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
2.5°	160.6	160.6	160.6	160.6	160.6	160.6	160.6	158.3	155.9	155.9	153.6
5°	174.6	174.6	174.6	174.6	174.6	172.2	167.6	165.3	162.9	160.6	158.3
7.5°	195.5	193.2	193.2	190.9	188.5	186.2	181.5	176.9	172.2	169.9	165.3
10°	221.1	221.1	218.8	214.1	211.8	202.5	197.8	190.9	186.2	183.9	176.9
12.5°	267.7	263.0	260.7	253.7	242.1	230.4	221.1	214.1	209.5	209.5	200.2
15°	321.2	318.9	314.2	295.6	281.6	265.3	253.7	249.0	246.7	242.1	235.1
17.5°	386.4	386.4	377.1	351.5	328.2	311.9	297.9	290.9	288.6	288.6	281.6
20°	470.2	470.2	451.5	414.3	386.4	365.4	349.1	339.8	339.8	337.5	332.8
22.5°	567.9	572.6	544.6	495.8	449.2	419.0	400.3	398.0	398.0	407.3	402.7
25°	682.0	682.0	647.0	584.2	530.7	477.1	463.2	472.5	479.5	488.8	491.1
27.5°	828.6	823.9	765.8	686.6	602.8	544.6	528.3	547.0	567.9	574.9	588.9
30°	996.2	989.2	917.0	805.3	691.3	605.2	598.2	633.1	670.3	677.3	695.9
32.5°	1138.2	1142.8	1061.3	938.0	782.0	679.6	672.7	728.5	775.1	791.4	826.3
35°	1310.4	1312.7	1215.0	1059.0	870.5	749.5	747.1	823.9	891.4	912.4	949.6
37.5°	1382.5	1396.5	1322.0	1163.8	958.9	823.9	819.3	914.7	991.5	1014.8	1056.7
40°	1457.0	1466.3	1389.5	1240.6	1031.1	889.1	891.4	993.8	1063.7	1091.6	1114.9
42.5°	1610.6	1615.3	1510.6	1322.0	1091.6	956.6	958.9	1052.0	1131.2	1166.1	1208.0
45°	1748.0	1768.9	1666.5	1450.0	1173.1	1014.8	1019.5	1147.5	1235.9	1284.8	1336.0
47.5°	1943.5	1943.5	1859.7	1619.9	1294.1	1093.9	1119.5	1282.5	1403.5	1445.4	1519.9
50°	2118.0	2120.4	2057.5	1803.8	1429.1	1203.3	1249.9	1452.4	1606.0	1654.9	1754.9
52.5°	2262.3	2264.7	2220.4	2015.6	1613.0	1347.6	1401.2	1678.1	1850.4	1910.9	1999.3
55°	2441.6	2429.9	2402.0	2227.4	1822.4	1533.8	1613.0	1917.9	2097.1	2178.6	2285.6
57.5°	2632.4	2618.5	2630.1	2457.9	2062.2	1764.3	1845.7	2173.9	2422.9	2527.7	2651.0
60°	2737.2	2741.8	2830.3	2760.4	2353.1	2050.5	2141.3	2564.9	2823.3	2904.7	2932.7
62.5°	2788.4	2793.0	2944.3	2990.9	2697.6	2350.8	2478.8	2888.4	3074.6	3177.1	3156.1
65°	2774.4	2793.0	3035.1	3163.1	2986.2	2674.3	2811.6	3193.3	3402.8	3456.4	3293.4
67.5°	2525.4	2583.5	2872.2	3193.3	3137.5	2900.1	3035.1	3407.5	3507.6	3498.3	3153.8
70°	2139.0	2155.3	2502.1	2967.6	3093.3	2890.8	3056.0	3363.3	3381.9	3333.0	2844.2
72.5°	1645.6	1685.1	1999.3	2504.4	2786.0	2683.6	2823.3	3065.3	2951.3	2827.9	2294.9
75°	1208.0	1191.7	1454.7	1945.8	2306.6	2320.5	2457.9	2599.8	2429.9	2329.8	1873.6
77.5°	819.3	858.9	1047.4	1440.7	1813.1	1938.8	2076.1	2094.8	1983.0	1901.6	1433.7
80°	560.9	567.9	709.9	1052.0	1415.1	1592.0	1713.1	1754.9	1594.3	1501.2	1082.3
82.5°	321.2	328.2	449.2	756.4	1110.2	1315.0	1438.4	1426.8	1242.9	1149.8	751.8
85°	179.2	181.5	260.7	467.8	835.6	1052.0	1159.1	1066.0	882.1	796.0	493.4
87.5°	107.1	111.7	155.9	300.2	567.9	814.6	868.2	742.5	570.2	507.4	325.9
90°	67.5	72.2	95.4	176.9	365.4	572.6	588.9	467.8	353.8	318.9	221.1
92.5°	44.2	46.6	62.8	109.4	225.8	360.8	377.1	281.6	218.8	195.5	151.3
95°	34.9	34.9	44.2	74.5	139.7	211.8	228.1	169.9	142.0	128.0	104.7
97.5°	27.9	27.9	34.9	53.5	95.4	132.7	137.3	111.7	95.4	93.1	79.1
100°	23.3	25.6	30.3	41.9	67.5	88.4	88.4	76.8	69.8	69.8	62.8
102.5°	20.9	20.9	25.6	34.9	53.5	67.5	65.2	58.2	53.5	53.5	51.2
105°	20.9	18.6	23.3	27.9	41.9	51.2	48.9	44.2	41.9	39.6	39.6
107.5°	18.6	16.3	18.6	23.3	34.9	41.9	39.6	34.9	32.6	30.3	32.6
110°	16.3	16.3	16.3	20.9	27.9	34.9	32.6	27.9	25.6	25.6	25.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.0	14.0	14.0	18.6	23.3	27.9	27.9	23.3	20.9	18.6	20.9
115°	14.0	14.0	14.0	16.3	20.9	25.6	23.3	18.6	16.3	16.3	18.6
117.5°	11.6	11.6	11.6	16.3	18.6	20.9	20.9	16.3	14.0	14.0	16.3
120°	11.6	11.6	11.6	14.0	18.6	18.6	18.6	14.0	14.0	14.0	16.3
122.5°	11.6	11.6	11.6	14.0	16.3	18.6	16.3	14.0	11.6	11.6	14.0
125°	11.6	11.6	11.6	14.0	16.3	16.3	14.0	11.6	11.6	11.6	14.0
127.5°	11.6	11.6	11.6	14.0	14.0	14.0	14.0	11.6	11.6	11.6	14.0
130°	11.6	11.6	11.6	11.6	14.0	14.0	11.6	11.6	11.6	11.6	11.6
132.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	9.3	11.6	11.6	11.6
135°	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3	9.3	9.3	11.6
137.5°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	11.6
140°	9.3	9.3	9.3	9.3	9.3	9.3	7.0	7.0	7.0	7.0	9.3
142.5°	9.3	9.3	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	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0
147.5°	7.0	7.0	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°	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6	153.6
2.5°	153.6	153.6	151.3	149.0	149.0	149.0	149.0	149.0	146.6	146.6	146.6
5°	155.9	153.6	151.3	149.0	146.6	144.3	142.0	142.0	139.7	139.7	139.7
7.5°	162.9	160.6	153.6	149.0	144.3	142.0	139.7	137.3	135.0	132.7	132.7
10°	174.6	169.9	160.6	153.6	146.6	142.0	137.3	135.0	132.7	132.7	130.3
12.5°	195.5	190.9	176.9	165.3	153.6	146.6	139.7	137.3	137.3	137.3	139.7
15°	230.4	223.4	204.8	188.5	169.9	155.9	151.3	153.6	155.9	158.3	158.3
17.5°	274.6	265.3	244.4	216.5	190.9	174.6	172.2	174.6	179.2	183.9	183.9
20°	325.9	314.2	281.6	249.0	216.5	202.5	195.5	200.2	207.1	216.5	214.1
22.5°	398.0	379.4	339.8	286.3	249.0	230.4	221.1	228.1	242.1	251.4	251.4
25°	479.5	456.2	405.0	332.8	281.6	253.7	249.0	260.7	286.3	300.2	300.2
27.5°	572.6	544.6	474.8	381.7	316.5	279.3	274.6	300.2	332.8	358.4	356.1
30°	682.0	649.4	558.6	432.9	349.1	300.2	304.9	339.8	384.0	414.3	414.3
32.5°	807.6	756.4	640.1	488.8	374.7	318.9	328.2	374.7	428.3	458.5	463.2
35°	926.4	865.8	707.6	530.7	395.7	335.2	346.8	407.3	470.2	507.4	507.4
37.5°	1028.8	963.6	761.1	558.6	405.0	344.5	363.1	432.9	493.4	530.7	530.7
40°	1077.6	1000.8	777.4	563.3	407.3	349.1	372.4	444.6	502.7	533.0	530.7
42.5°	1166.1	1063.7	779.7	537.7	400.3	351.5	377.1	439.9	484.1	498.1	495.8
45°	1284.8	1152.1	791.4	514.4	384.0	346.8	372.4	423.6	449.2	451.5	446.9
47.5°	1438.4	1280.1	807.6	493.4	370.1	339.8	360.8	400.3	414.3	407.3	405.0
50°	1650.2	1426.8	830.9	470.2	360.8	328.2	349.1	384.0	393.3	379.4	377.1
52.5°	1857.4	1573.4	840.2	446.9	351.5	321.2	342.1	377.1	379.4	356.1	353.8
55°	2108.7	1731.7	828.6	421.3	346.8	318.9	342.1	372.4	363.1	339.8	335.2
57.5°	2422.9	1934.2	826.3	398.0	337.5	318.9	344.5	367.7	360.8	344.5	342.1
60°	2618.5	2020.3	789.0	384.0	330.5	323.5	349.1	374.7	365.4	346.8	344.5
62.5°	2758.1	2057.5	733.2	367.7	325.9	323.5	356.1	377.1	363.1	349.1	346.8
65°	2797.7	2020.3	675.0	351.5	318.9	323.5	358.4	374.7	367.7	358.4	358.4
67.5°	2630.1	1852.7	591.2	337.5	309.6	316.5	353.8	377.1	372.4	367.7	365.4
70°	2325.2	1615.3	514.4	318.9	293.3	304.9	346.8	377.1	377.1	374.7	374.7
72.5°	1855.0	1247.5	414.3	297.9	274.6	290.9	337.5	370.1	367.7	365.4	363.1
75°	1487.3	984.5	351.5	270.0	256.0	272.3	323.5	356.1	351.5	351.5	349.1
77.5°	1119.5	744.8	297.9	244.4	232.8	256.0	302.6	332.8	330.5	328.2	323.5
80°	810.0	551.6	253.7	221.1	214.1	235.1	277.0	302.6	302.6	302.6	300.2
82.5°	586.5	407.3	221.1	200.2	195.5	214.1	249.0	270.0	279.3	286.3	281.6
85°	386.4	286.3	195.5	181.5	181.5	197.8	225.8	244.4	258.4	265.3	263.0
87.5°	263.0	218.8	172.2	160.6	165.3	181.5	207.1	221.1	232.8	239.7	237.4
90°	186.2	169.9	146.6	137.3	142.0	162.9	186.2	197.8	202.5	204.8	202.5
92.5°	132.7	125.7	116.4	111.7	118.7	142.0	162.9	167.6	167.6	165.3	160.6
95°	100.1	95.4	93.1	88.4	97.8	118.7	135.0	135.0	135.0	128.0	128.0
97.5°	76.8	76.8	76.8	72.2	79.1	95.4	107.1	104.7	104.7	100.1	100.1
100°	62.8	62.8	62.8	60.5	65.2	76.8	81.5	81.5	83.8	81.5	81.5
102.5°	51.2	51.2	51.2	51.2	53.5	62.8	67.5	65.2	67.5	67.5	67.5
105°	41.9	41.9	44.2	41.9	46.6	53.5	53.5	53.5	55.9	51.2	53.5
107.5°	32.6	34.9	34.9	34.9	39.6	44.2	46.6	44.2	44.2	41.9	41.9
110°	27.9	30.3	30.3	30.3	32.6	37.2	39.6	37.2	34.9	34.9	34.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	25.6	25.6	25.6	27.9	32.6	32.6	30.3	27.9	27.9	27.9
115°	20.9	20.9	23.3	23.3	25.6	27.9	27.9	25.6	23.3	25.6	25.6
117.5°	18.6	18.6	20.9	20.9	20.9	23.3	23.3	20.9	20.9	23.3	23.3
120°	16.3	18.6	18.6	18.6	18.6	20.9	20.9	18.6	18.6	20.9	20.9
122.5°	16.3	16.3	16.3	16.3	18.6	18.6	18.6	16.3	16.3	18.6	18.6
125°	14.0	16.3	16.3	16.3	16.3	16.3	16.3	14.0	16.3	16.3	18.6
127.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	16.3	16.3
130°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.6	14.0	14.0	14.0
132.5°	14.0	14.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	14.0	14.0
135°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	14.0	14.0
137.5°	11.6	11.6	9.3	9.3	9.3	9.3	9.3	9.3	11.6	11.6	11.6
140°	9.3	9.3	9.3	7.0	7.0	7.0	9.3	9.3	9.3	9.3	9.3
142.5°	9.3	9.3	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
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	7.0	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	2.3	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)