

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: P695706

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695706  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6620 lumens  
Efficiency: N/A  
Efficacy: 106.8 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

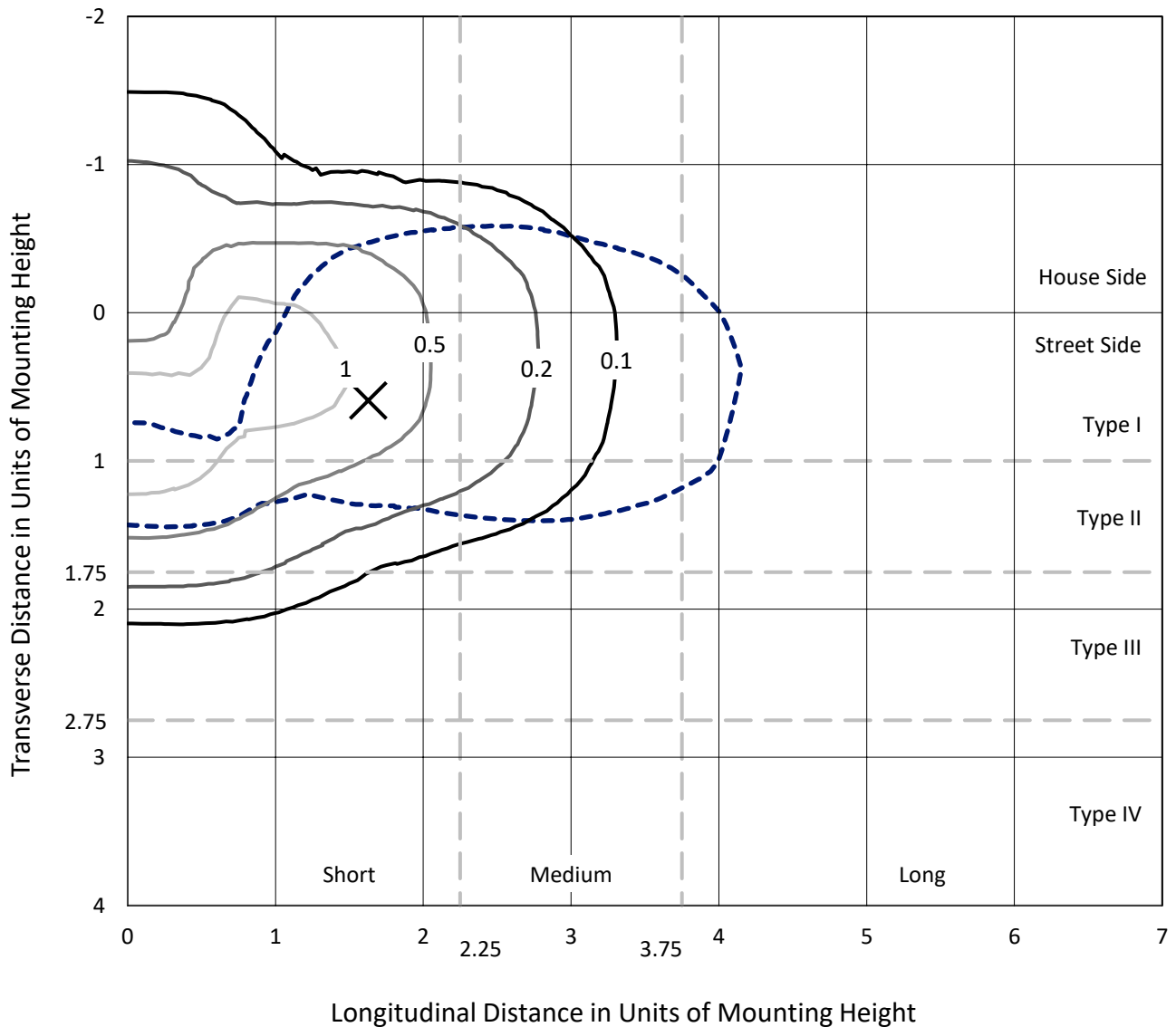
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

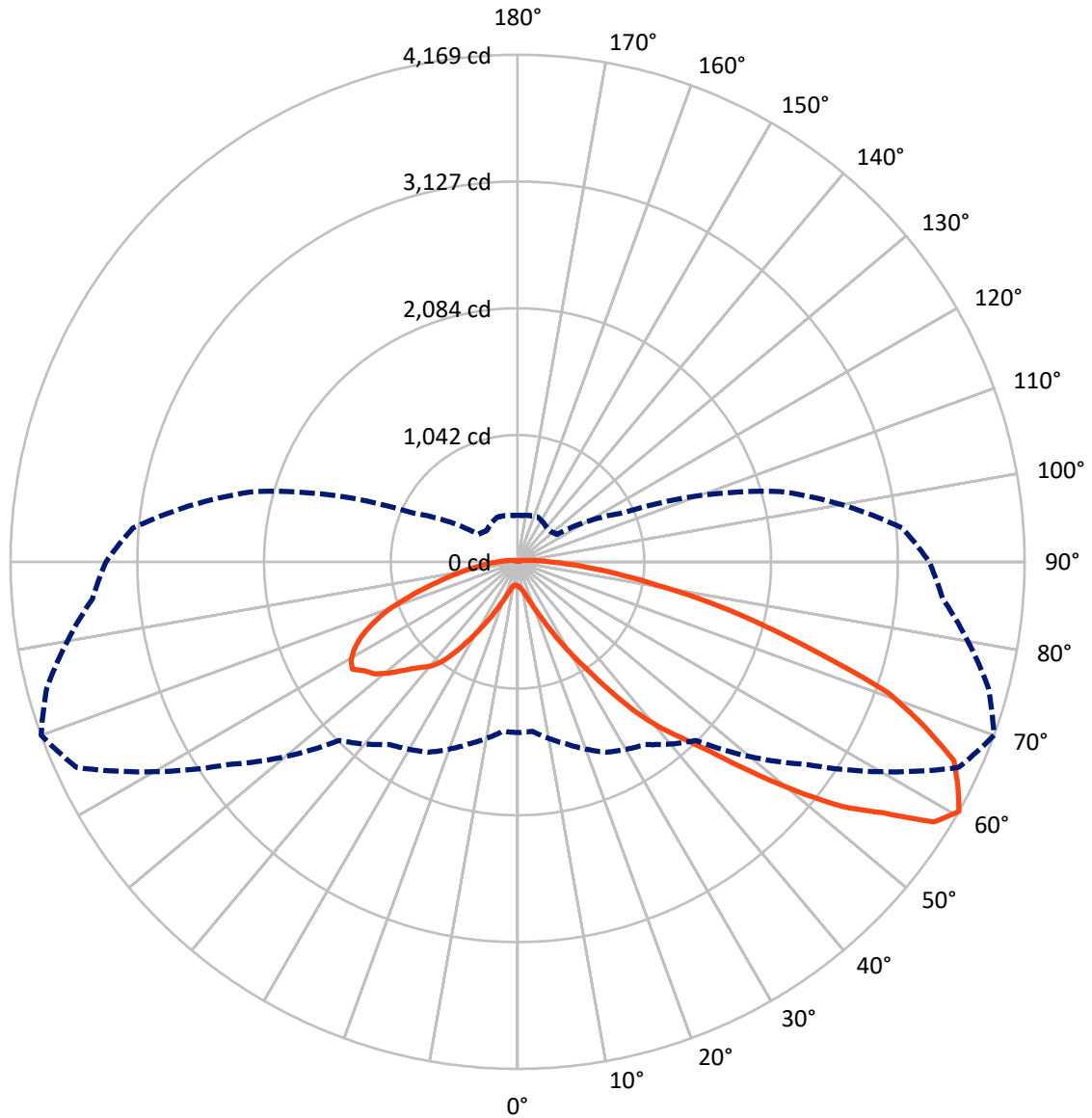
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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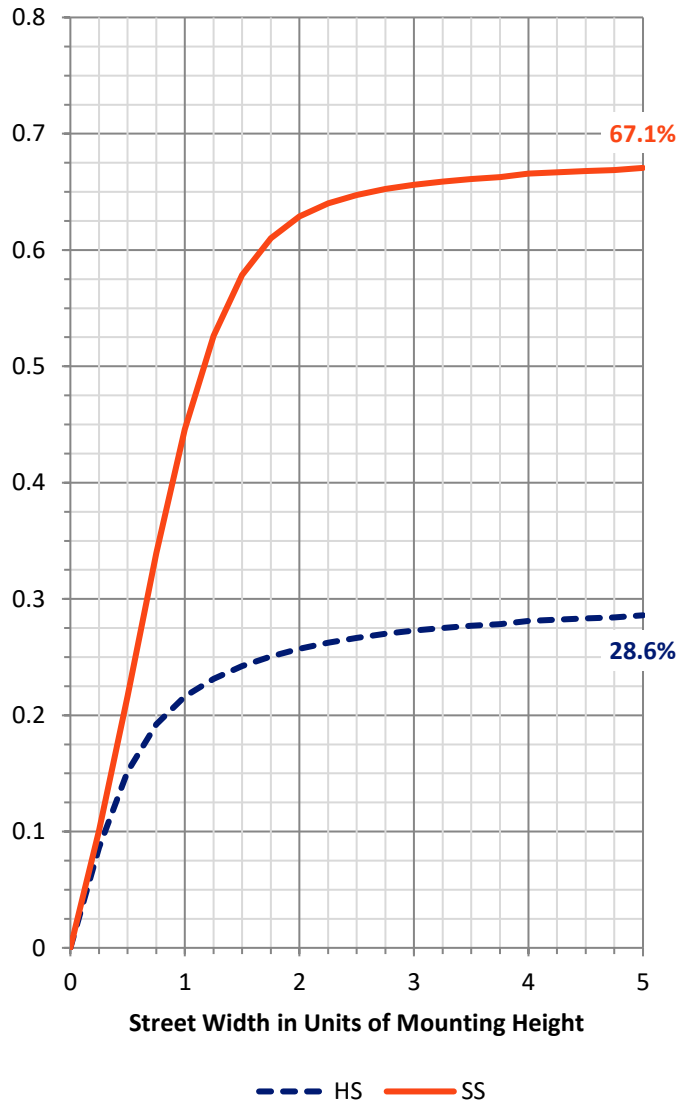
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1949.0	98.4	2047.4
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	4488.8	83.8	4572.6
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	6437.8	182.2	6620.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.0	0.3
10°-20°	84.4	1.3
20°-30°	267.5	4.0
30°-40°	658.4	9.9
40°-50°	1139.3	17.2
50°-60°	1603.5	24.2
60°-70°	1491.0	22.5
70°-80°	850.3	12.8
80°-90°	323.5	4.9
90°-100°	96.5	1.5
100°-110°	39.2	0.6
110°-120°	20.9	0.3
120°-130°	13.1	0.2
130°-140°	8.5	0.1
140°-150°	3.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6437.8	97.2
0°-180°	6620.0	100.0

**Coefficient of Utilization**



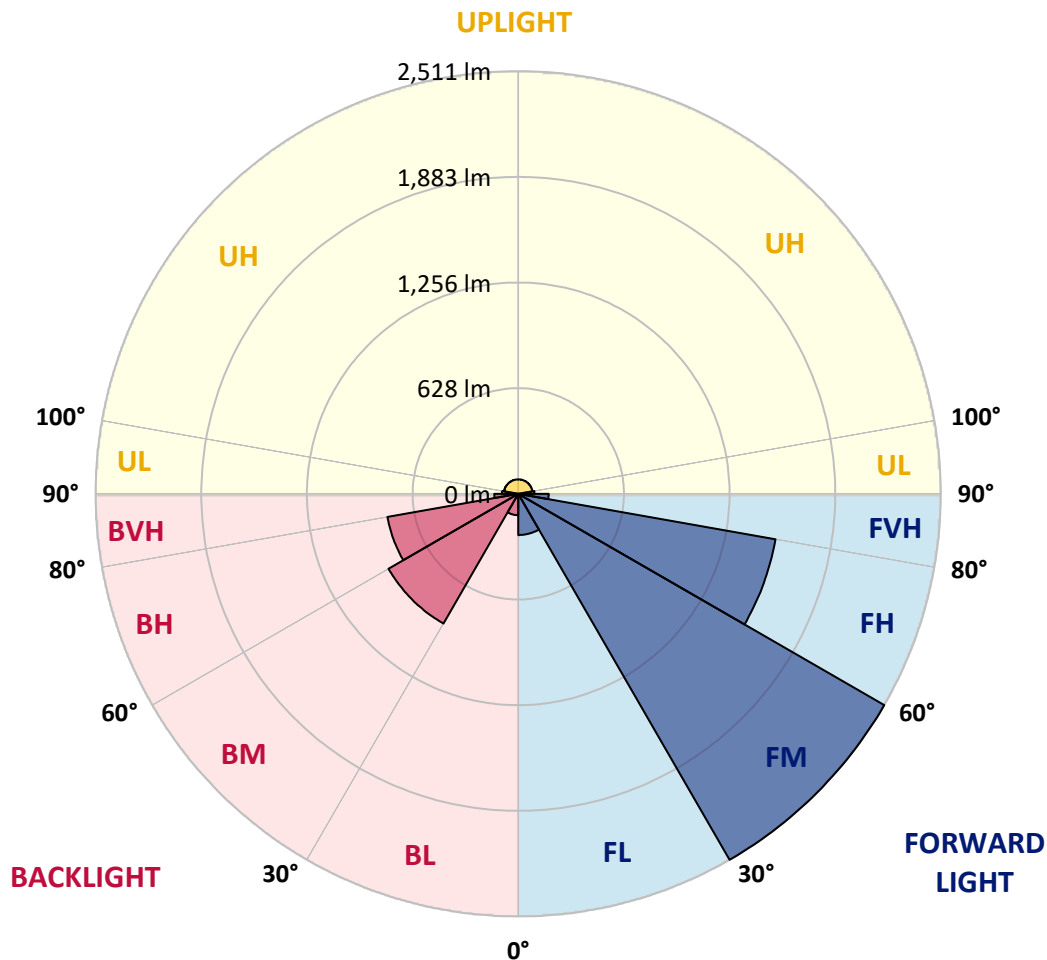
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.9	3.7			
FM (30°-60°)	2511.0	37.9			
FH (60°-80°)	1552.1	23.4			G1/1800
FVH (80°-90°)	180.7	2.7			G2/225
BL (0°-30°)	127.0	1.9	B1/500		
BM (30°-60°)	890.1	13.4	B1/1000		
BH (60°-80°)	789.1	11.9	B2/1000		G2/1000
BVH (80°-90°)	142.8	2.2			G2/225
UL (90°-100°)	96.5	1.5		U3/500	
UH (100°-180°)	85.7	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°	70°	75°	85°
0°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
2.5°	214.1	211.8	211.8	211.8	211.8	209.5	207.2	204.8	204.8	202.5	200.2
5°	232.8	232.8	232.8	230.4	228.1	225.8	221.1	216.5	214.1	209.5	204.8
7.5°	263.0	258.4	258.4	256.0	249.1	244.4	237.4	228.1	225.8	221.1	214.1
10°	300.3	297.9	295.6	288.6	277.0	267.7	260.7	249.1	242.1	237.4	228.1
12.5°	358.4	358.4	351.5	337.5	321.2	304.9	290.9	277.0	270.0	263.0	253.7
15°	430.6	428.3	425.9	402.7	377.1	353.8	330.5	314.2	307.2	302.6	286.3
17.5°	526.0	528.4	514.4	477.2	439.9	414.3	386.4	365.4	356.1	349.1	335.2
20°	649.4	647.1	626.1	572.6	530.7	488.8	458.5	425.9	419.0	412.0	395.7
22.5°	810.0	805.3	763.4	698.3	635.4	577.2	537.7	514.4	500.4	491.1	477.2
25°	975.3	993.9	935.7	856.5	765.8	677.3	635.4	621.5	607.5	600.5	581.9
27.5°	1235.9	1238.3	1154.5	1026.5	905.4	814.7	761.1	737.8	737.8	728.5	705.3
30°	1512.9	1510.6	1408.2	1245.3	1080.0	954.3	898.4	884.5	889.1	877.5	844.9
32.5°	1757.3	1752.7	1638.6	1478.0	1259.2	1105.6	1052.1	1056.7	1061.4	1070.7	1045.1
35°	2022.7	2020.3	1885.3	1687.5	1450.1	1277.8	1240.6	1284.8	1287.2	1301.1	1242.9
37.5°	2118.1	2132.1	2048.3	1871.4	1620.0	1454.7	1457.1	1505.9	1547.8	1552.5	1471.0
40°	2190.3	2197.2	2120.4	1978.4	1773.6	1638.6	1696.8	1775.9	1778.3	1738.7	1606.0
42.5°	2355.5	2362.5	2255.4	2076.2	1885.3	1824.8	1908.6	1992.4	1976.1	1941.2	1775.9
45°	2462.6	2471.9	2402.1	2229.8	1997.1	1962.1	2115.8	2227.5	2225.2	2201.9	1973.8
47.5°	2572.0	2585.9	2513.8	2350.9	2125.1	2090.2	2343.9	2574.3	2572.0	2506.8	2236.8
50°	2539.4	2551.0	2555.7	2448.6	2215.9	2222.8	2583.6	2937.4	2956.0	2872.2	2558.0
52.5°	2341.5	2360.2	2427.7	2441.6	2281.0	2313.6	2816.4	3321.5	3344.7	3205.1	2807.1
55°	2085.5	2108.8	2197.2	2295.0	2241.5	2336.9	3009.6	3626.4	3640.3	3526.3	3125.9
57.5°	1743.4	1792.2	1906.3	2045.9	2078.5	2281.0	3011.9	3877.7	4036.0	3947.6	3472.7
60°	1403.5	1398.9	1550.2	1727.1	1834.1	2076.2	2904.8	4001.1	4168.7	4008.1	3510.0
62.5°	1007.8	1024.1	1187.1	1391.9	1524.6	1757.3	2655.8	3759.0	4064.0	4059.3	3705.5
65°	719.2	735.5	854.2	1049.7	1203.4	1457.1	2253.1	3521.6	3940.6	3977.8	3686.9
67.5°	512.1	519.1	609.8	763.4	898.4	1112.6	1845.8	3184.1	3603.1	3714.8	3579.8
70°	384.1	391.0	446.9	560.9	656.4	812.3	1473.4	2700.0	3235.3	3398.3	3305.2
72.5°	295.6	304.9	342.2	428.3	484.1	579.6	1100.9	2201.9	2616.2	2776.8	2737.2
75°	232.8	237.4	265.3	323.5	358.4	407.3	779.7	1694.5	2083.2	2313.6	2313.6
77.5°	186.2	193.2	211.8	253.7	284.0	302.6	535.3	1217.3	1615.3	1848.1	1901.6
80°	149.0	153.6	169.9	200.2	221.1	232.8	360.8	844.9	1159.1	1436.1	1592.1
82.5°	118.7	118.7	135.0	158.3	179.2	193.2	265.3	598.2	828.6	1038.1	1210.3
85°	95.4	97.8	107.1	123.4	144.3	162.9	204.8	409.7	565.6	695.9	837.9
87.5°	74.5	74.5	83.8	95.4	116.4	137.3	167.6	277.0	372.4	479.5	563.3
90°	53.5	55.9	60.5	69.8	90.8	111.7	132.7	193.2	246.7	300.3	356.1
92.5°	39.6	39.6	41.9	48.9	65.2	88.4	107.1	139.7	169.9	195.5	221.1
95°	30.3	30.3	32.6	34.9	46.6	67.5	81.5	102.4	118.7	137.3	149.0
97.5°	25.6	25.6	25.6	27.9	37.2	51.2	62.8	76.8	88.4	100.1	111.7
100°	23.3	23.3	23.3	23.3	30.3	44.2	48.9	60.5	67.5	76.8	83.8
102.5°	20.9	20.9	20.9	20.9	27.9	37.2	41.9	46.6	53.5	58.2	65.2
105°	18.6	18.6	18.6	18.6	23.3	30.3	34.9	39.6	41.9	44.2	48.9
107.5°	16.3	16.3	16.3	16.3	20.9	27.9	30.3	30.3	32.6	34.9	39.6
110°	14.0	14.0	14.0	16.3	18.6	23.3	25.6	25.6	25.6	27.9	32.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	14.0	14.0	14.0	14.0	16.3	20.9	20.9	20.9	23.3	23.3	27.9
115°	11.6	11.6	11.6	14.0	16.3	18.6	18.6	18.6	18.6	20.9	23.3
117.5°	11.6	11.6	11.6	11.6	16.3	18.6	18.6	16.3	16.3	18.6	20.9
120°	11.6	11.6	11.6	11.6	14.0	16.3	16.3	16.3	16.3	16.3	18.6
122.5°	11.6	11.6	11.6	11.6	14.0	14.0	14.0	14.0	14.0	14.0	16.3
125°	11.6	11.6	11.6	11.6	14.0	14.0	14.0	11.6	11.6	14.0	16.3
127.5°	14.0	14.0	11.6	11.6	11.6	14.0	11.6	11.6	11.6	11.6	14.0
130°	14.0	14.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	14.0
132.5°	14.0	14.0	11.6	11.6	11.6	11.6	11.6	9.3	9.3	11.6	14.0
135°	11.6	14.0	11.6	11.6	11.6	9.3	9.3	9.3	9.3	9.3	11.6
137.5°	11.6	11.6	11.6	9.3	9.3	9.3	7.0	7.0	7.0	9.3	9.3
140°	11.6	11.6	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3
142.5°	9.3	9.3	9.3	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0
145°	9.3	9.3	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	7.0	7.0	7.0	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3
150°	7.0	4.7	4.7	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°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
2.5°	200.2	197.8	195.5	195.5	193.2	190.9	188.5	188.5	188.5	188.5	188.5
5°	202.5	200.2	195.5	190.9	186.2	181.6	179.2	174.6	174.6	174.6	172.2
7.5°	209.5	204.8	197.8	188.5	181.6	174.6	167.6	165.3	162.9	160.6	160.6
10°	221.1	216.5	204.8	193.2	181.6	172.2	162.9	155.9	151.3	151.3	151.3
12.5°	244.4	237.4	221.1	202.5	186.2	172.2	160.6	153.6	151.3	151.3	153.6
15°	281.6	272.3	249.1	225.8	200.2	179.2	169.9	169.9	172.2	174.6	174.6
17.5°	325.9	314.2	288.6	256.0	225.8	204.8	195.5	197.8	202.5	204.8	204.8
20°	388.7	367.8	342.2	297.9	258.4	239.7	228.1	225.8	237.4	242.1	242.1
22.5°	460.9	449.2	407.3	351.5	304.9	277.0	260.7	256.0	267.7	272.3	272.3
25°	567.9	544.7	495.8	421.3	360.8	314.2	290.9	286.3	302.6	311.9	311.9
27.5°	691.3	656.4	595.9	500.4	416.6	349.1	318.9	318.9	335.2	349.1	351.5
30°	819.3	779.7	707.6	588.9	472.5	377.1	339.8	342.2	358.4	379.4	374.7
32.5°	1005.5	949.7	842.6	689.0	523.7	400.3	351.5	360.8	386.4	414.3	409.7
35°	1187.1	1128.9	1000.9	800.7	567.9	412.0	358.4	379.4	407.3	428.3	428.3
37.5°	1380.3	1308.1	1145.2	898.4	614.5	419.0	363.1	384.1	412.0	425.9	425.9
40°	1508.3	1436.1	1249.9	968.3	633.1	416.6	360.8	381.7	400.3	405.0	400.3
42.5°	1668.9	1561.8	1331.4	1000.9	623.8	405.0	353.8	370.1	377.1	374.7	374.7
45°	1859.7	1741.0	1447.8	1012.5	595.9	386.4	344.5	356.1	365.4	367.8	367.8
47.5°	2115.8	1978.4	1599.0	1031.1	560.9	367.8	339.8	358.4	367.8	360.8	360.8
50°	2411.4	2250.8	1773.6	1047.4	526.0	353.8	342.2	365.4	367.8	360.8	358.4
52.5°	2646.5	2471.9	1924.9	1066.0	491.1	346.8	351.5	374.7	372.4	360.8	358.4
55°	2958.4	2779.1	2059.9	1024.1	458.5	349.1	360.8	384.1	377.1	358.4	358.4
57.5°	3326.1	3109.6	2239.1	1000.9	421.3	356.1	372.4	393.4	381.7	365.4	363.1
60°	3384.3	3174.8	2234.5	942.7	393.4	360.8	381.7	402.7	393.4	381.7	381.7
62.5°	3582.1	3356.4	2197.2	840.3	372.4	360.8	388.7	414.3	416.6	409.7	407.3
65°	3556.5	3309.8	2101.8	737.8	353.8	356.1	393.4	428.3	430.6	432.9	432.9
67.5°	3463.4	3205.1	1936.5	647.1	332.8	349.1	393.4	425.9	437.6	446.9	446.9
70°	3179.5	2944.4	1727.1	556.3	311.9	330.5	374.7	412.0	423.6	435.3	437.6
72.5°	2660.4	2441.6	1417.5	472.5	284.0	302.6	342.2	377.1	391.0	400.3	398.0
75°	2218.2	2041.3	1152.2	374.7	253.7	267.7	300.3	330.5	339.8	346.8	346.8
77.5°	1831.8	1673.5	907.8	307.2	221.1	232.8	258.4	281.6	290.9	293.3	288.6
80°	1529.2	1343.0	712.2	249.1	188.5	195.5	221.1	239.7	249.1	244.4	246.7
82.5°	1182.4	1028.8	540.0	209.5	165.3	167.6	186.2	202.5	209.5	204.8	202.5
85°	803.0	698.3	388.7	181.6	144.3	142.0	153.6	167.6	172.2	169.9	167.6
87.5°	530.7	460.9	281.6	155.9	125.7	123.4	130.3	142.0	146.6	144.3	139.7
90°	335.2	304.9	202.5	132.7	109.4	104.7	109.4	116.4	123.4	121.0	118.7
92.5°	214.1	193.2	149.0	109.4	93.1	88.4	88.4	93.1	97.8	93.1	88.4
95°	144.3	139.7	114.1	88.4	76.8	72.2	69.8	69.8	74.5	69.8	67.5
97.5°	111.7	107.1	93.1	69.8	60.5	58.2	55.9	55.9	60.5	55.9	53.5
100°	86.1	86.1	74.5	58.2	46.6	46.6	46.6	48.9	51.2	48.9	48.9
102.5°	67.5	67.5	62.8	48.9	39.6	39.6	39.6	41.9	46.6	44.2	44.2
105°	51.2	53.5	51.2	39.6	34.9	34.9	34.9	37.2	39.6	39.6	39.6
107.5°	41.9	44.2	41.9	34.9	30.3	30.3	30.3	32.6	34.9	37.2	37.2
110°	34.9	37.2	34.9	30.3	27.9	27.9	27.9	27.9	32.6	32.6	34.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.9	30.3	30.3	25.6	25.6	25.6	23.3	25.6	27.9	30.3	30.3
115°	25.6	25.6	25.6	23.3	23.3	23.3	20.9	20.9	25.6	27.9	27.9
117.5°	23.3	23.3	23.3	20.9	20.9	20.9	18.6	18.6	20.9	25.6	25.6
120°	20.9	20.9	20.9	18.6	18.6	18.6	16.3	16.3	18.6	23.3	23.3
122.5°	18.6	18.6	18.6	16.3	16.3	16.3	16.3	16.3	18.6	20.9	20.9
125°	16.3	16.3	16.3	16.3	16.3	14.0	14.0	14.0	16.3	18.6	18.6
127.5°	16.3	16.3	16.3	14.0	14.0	14.0	14.0	14.0	14.0	16.3	18.6
130°	14.0	14.0	14.0	14.0	11.6	11.6	11.6	11.6	14.0	16.3	16.3
132.5°	14.0	14.0	14.0	11.6	11.6	11.6	11.6	11.6	14.0	14.0	16.3
135°	11.6	14.0	11.6	11.6	11.6	9.3	9.3	9.3	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	7.0	7.0	9.3	11.6	11.6
142.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	9.3	9.3
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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)