

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: P695626

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695626  
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-PA16-60-730-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 5913.1 lumens  
Efficiency: N/A  
Efficacy: 95.4 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: B1 - U3 - G3

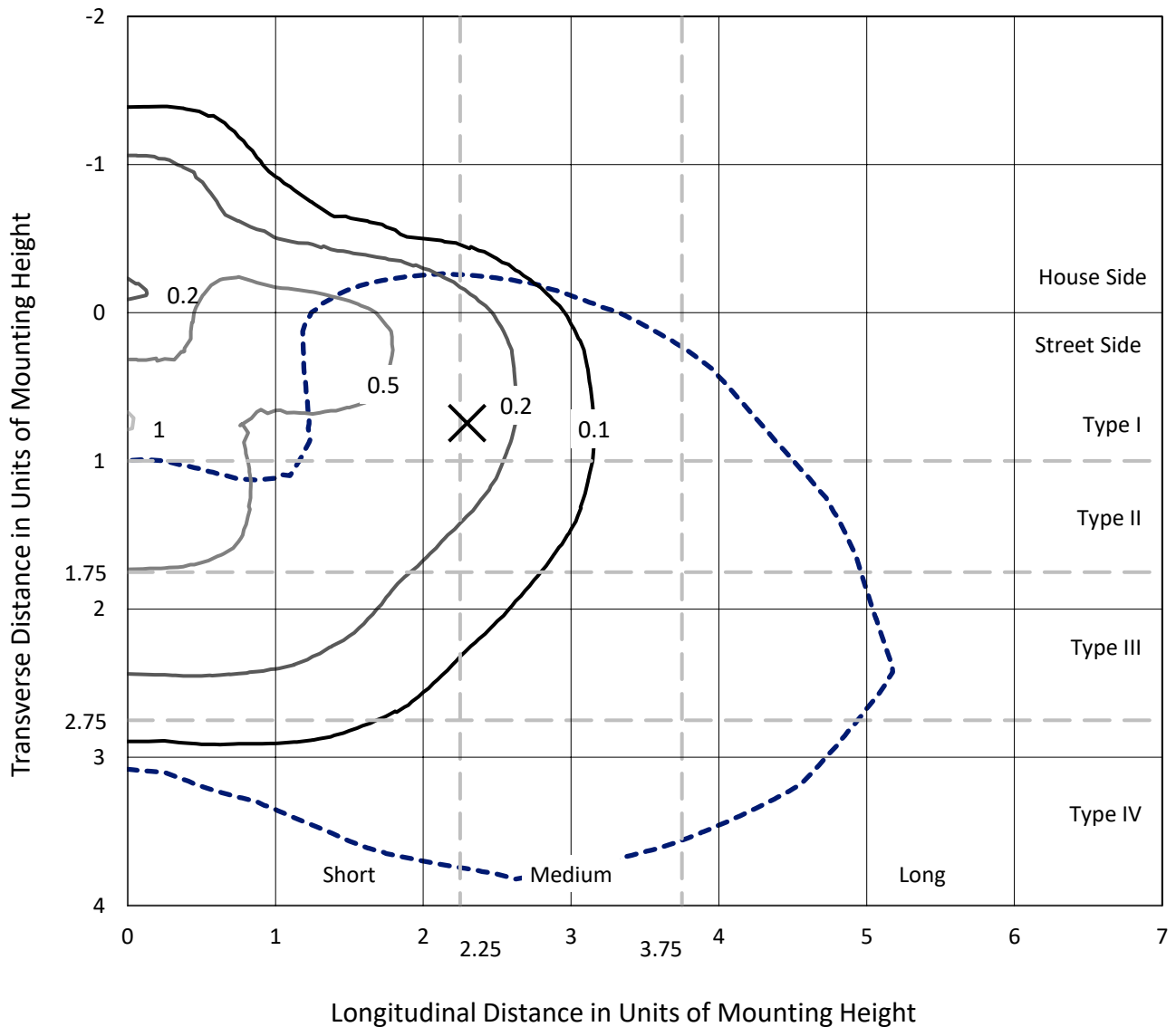
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

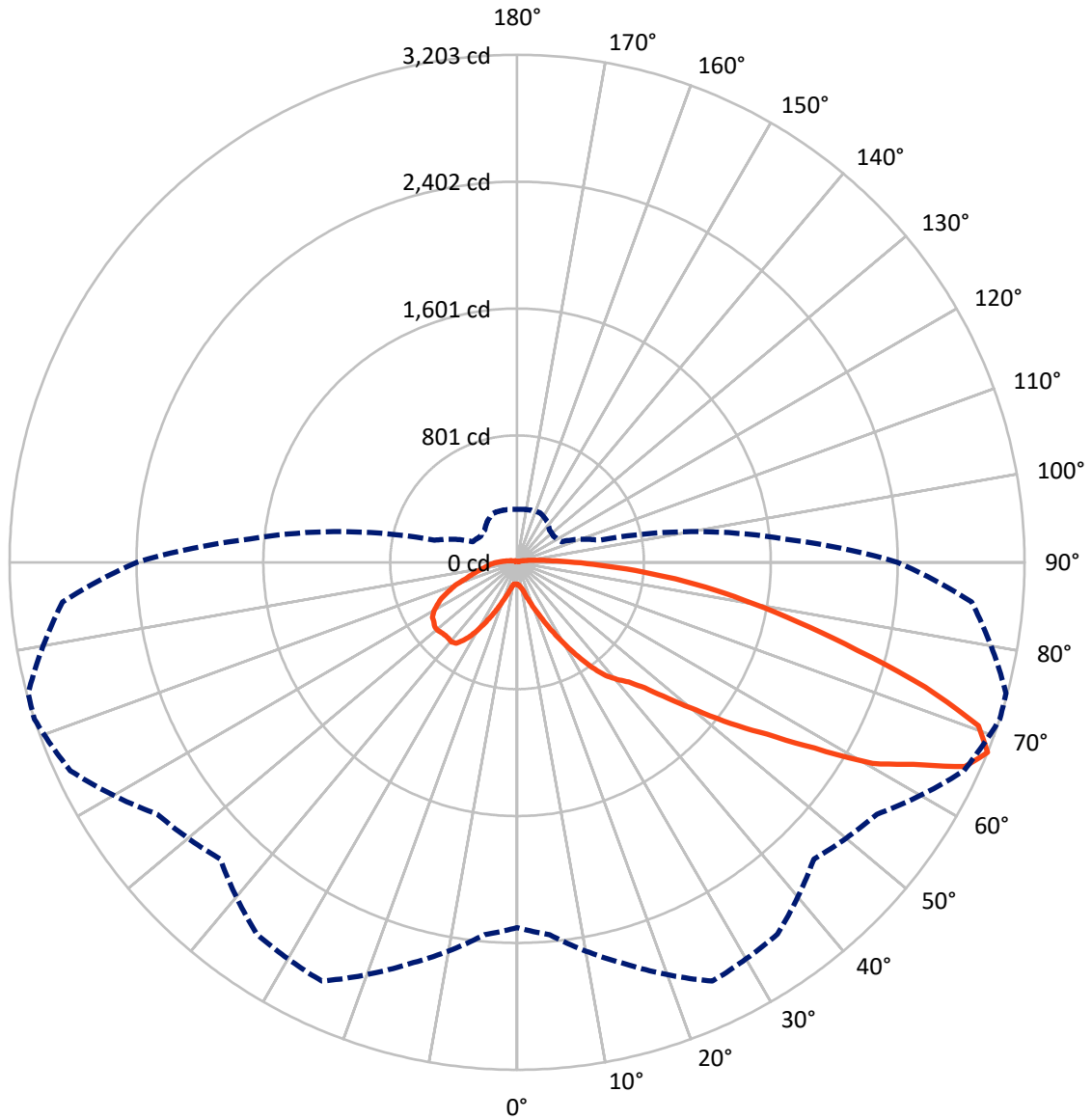
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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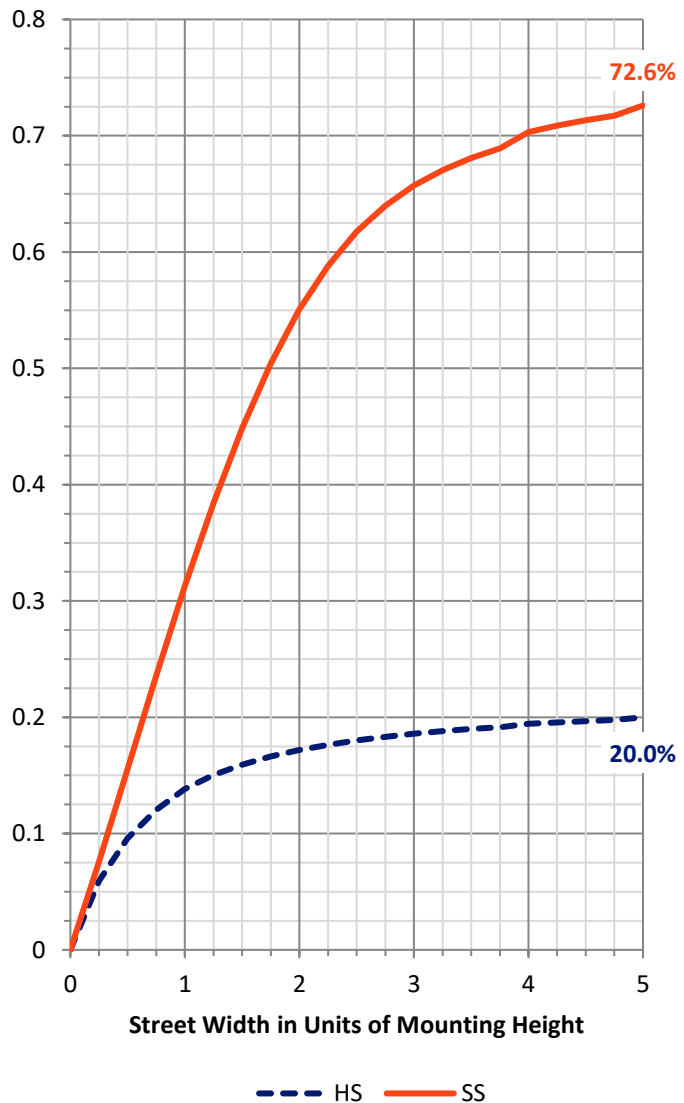
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1247.9	107.3	1355.3
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	4443.5	114.2	4557.8
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	5691.5	221.6	5913.1
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.2	0.2
10°-20°	61.3	1.0
20°-30°	185.6	3.1
30°-40°	417.8	7.1
40°-50°	670.6	11.3
50°-60°	1087.0	18.4
60°-70°	1585.4	26.8
70°-80°	1188.5	20.1
80°-90°	481.1	8.1
90°-100°	133.6	2.3
100°-110°	43.8	0.7
110°-120°	20.2	0.3
120°-130°	12.2	0.2
130°-140°	7.8	0.1
140°-150°	3.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5691.5	96.3
0°-180°	5913.1	100.0

**Coefficient of Utilization**

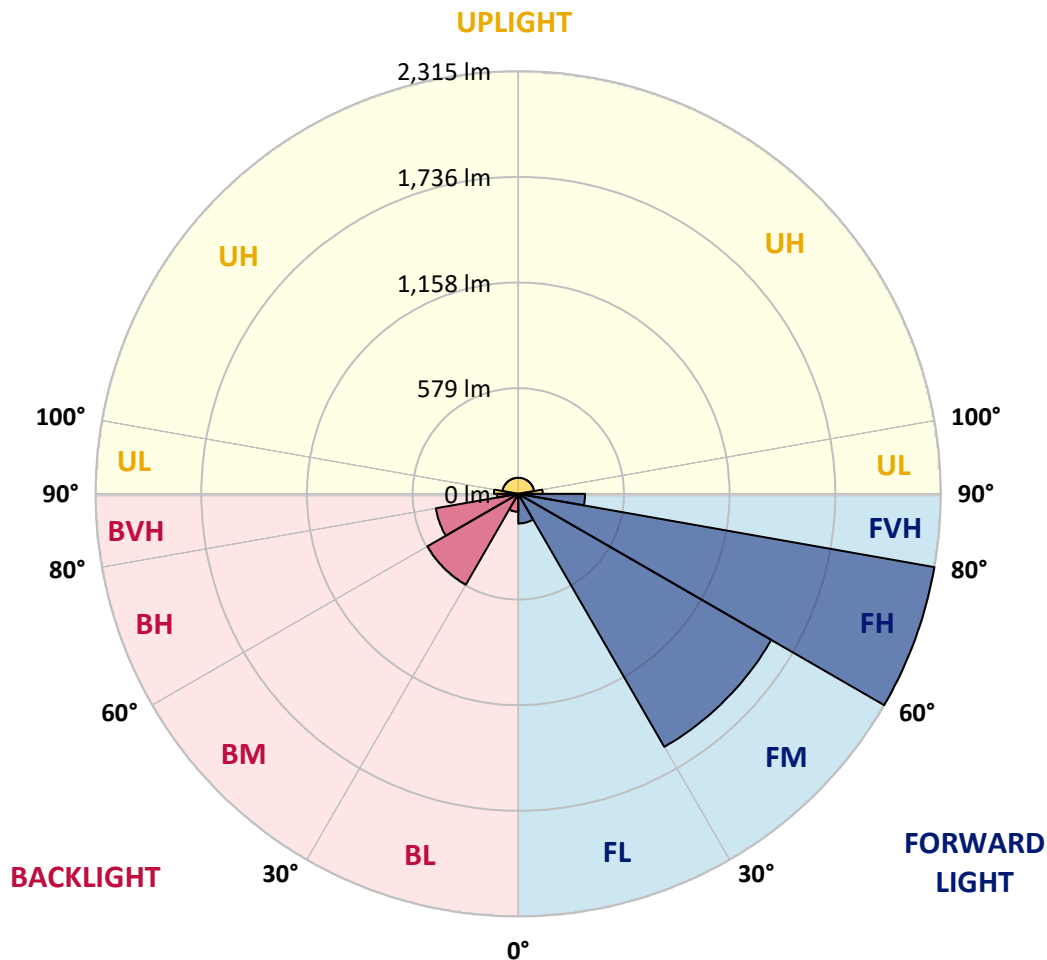


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.6	2.7			
FM (30°-60°)	1600.6	27.1			
FH (60°-80°)	2315.0	39.2			G2/5000
FVH (80°-90°)	365.3	6.2			G3/500
BL (0°-30°)	98.5	1.7	B0/110		
BM (30°-60°)	574.8	9.7	B1/1000		
BH (60°-80°)	458.9	7.8	B1/500		G1/500
BVH (80°-90°)	115.8	2.0			G2/225
UL (90°-100°)	133.6	2.3		U3/500	
UH (100°-180°)	88.0	1.5		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	146.6	146.6	146.6	146.6	146.6	146.6	146.6	144.5	142.4	142.4	140.3
5°	159.4	159.4	159.4	159.4	159.4	157.3	153.0	150.9	148.8	146.6	144.5
7.5°	178.5	176.4	176.4	174.3	172.1	170.0	165.8	161.5	157.3	155.1	150.9
10°	201.9	201.9	199.8	195.5	193.4	184.9	180.6	174.3	170.0	167.9	161.5
12.5°	244.4	240.1	238.0	231.6	221.0	210.4	201.9	195.5	191.3	191.3	182.8
15°	293.3	291.1	286.9	269.9	257.1	242.3	231.6	227.4	225.3	221.0	214.6
17.5°	352.8	352.8	344.3	320.9	299.6	284.8	272.0	265.6	263.5	263.5	257.1
20°	429.3	429.3	412.3	378.3	352.8	333.7	318.8	310.3	310.3	308.1	303.9
22.5°	518.5	522.8	497.3	452.7	410.2	382.5	365.5	363.4	363.4	371.9	367.7
25°	622.7	622.7	590.8	533.4	484.5	435.7	422.9	431.4	437.8	446.3	448.4
27.5°	756.6	752.3	699.2	626.9	550.4	497.3	482.4	499.4	518.5	524.9	537.7
30°	909.6	903.2	837.3	735.3	631.2	552.5	546.2	578.0	612.0	618.4	635.4
32.5°	1039.2	1043.5	969.1	856.4	714.1	620.5	614.2	665.2	707.7	722.6	754.4
35°	1196.5	1198.6	1109.3	967.0	794.8	684.3	682.2	752.3	813.9	833.1	867.1
37.5°	1262.3	1275.1	1207.1	1062.6	875.6	752.3	748.1	835.2	905.3	926.6	964.8
40°	1330.4	1338.9	1268.7	1132.7	941.4	811.8	813.9	907.4	971.2	996.7	1018.0
42.5°	1470.6	1474.9	1379.2	1207.1	996.7	873.4	875.6	960.6	1032.8	1064.7	1103.0
45°	1596.0	1615.1	1521.6	1324.0	1071.1	926.6	930.8	1047.7	1128.5	1173.1	1219.8
47.5°	1774.5	1774.5	1698.0	1479.1	1181.6	998.8	1022.2	1171.0	1281.5	1319.7	1387.7
50°	1933.9	1936.0	1878.6	1647.0	1304.9	1098.7	1141.2	1326.1	1466.4	1511.0	1602.4
52.5°	2065.7	2067.8	2027.4	1840.4	1472.7	1230.5	1279.4	1532.2	1689.5	1744.8	1825.5
55°	2229.3	2218.7	2193.2	2033.8	1664.0	1400.5	1472.7	1751.1	1914.8	1989.2	2086.9
57.5°	2403.6	2390.8	2401.4	2244.2	1882.9	1610.9	1685.3	1984.9	2212.3	2307.9	2420.6
60°	2499.2	2503.4	2584.2	2520.4	2148.5	1872.3	1955.2	2341.9	2577.8	2652.2	2677.7
62.5°	2546.0	2550.2	2688.3	2730.8	2463.1	2146.4	2263.3	2637.3	2807.3	2900.9	2881.7
65°	2533.2	2550.2	2771.2	2888.1	2726.6	2441.8	2567.2	2915.7	3107.0	3155.9	3007.1
67.5°	2305.8	2358.9	2622.5	2915.7	2864.7	2648.0	2771.2	3111.2	3202.6	3194.1	2879.6
70°	1953.0	1967.9	2284.6	2709.6	2824.3	2639.5	2790.3	3070.9	3087.9	3043.2	2597.0
72.5°	1502.5	1538.6	1825.5	2286.7	2543.8	2450.3	2577.8	2798.8	2694.7	2582.1	2095.4
75°	1103.0	1088.1	1328.2	1776.6	2106.0	2118.8	2244.2	2373.8	2218.7	2127.3	1710.8
77.5°	748.1	784.2	956.3	1315.5	1655.5	1770.3	1895.6	1912.7	1810.6	1736.3	1309.1
80°	512.2	518.5	648.2	960.6	1292.1	1453.6	1564.1	1602.4	1455.7	1370.7	988.2
82.5°	293.3	299.6	410.2	690.7	1013.7	1200.7	1313.4	1302.7	1134.8	1049.8	686.4
85°	163.6	165.8	238.0	427.2	762.9	960.6	1058.3	973.3	805.4	726.8	450.5
87.5°	97.8	102.0	142.4	274.1	518.5	743.8	792.7	677.9	520.7	463.3	297.5
90°	61.6	65.9	87.1	161.5	333.7	522.8	537.7	427.2	323.0	291.1	201.9
92.5°	40.4	42.5	57.4	99.9	206.1	329.4	344.3	257.1	199.8	178.5	138.1
95°	31.9	31.9	40.4	68.0	127.5	193.4	208.3	155.1	129.6	116.9	95.6
97.5°	25.5	25.5	31.9	48.9	87.1	121.1	125.4	102.0	87.1	85.0	72.3
100°	21.3	23.4	27.6	38.3	61.6	80.8	80.8	70.1	63.8	63.8	57.4
102.5°	19.1	19.1	23.4	31.9	48.9	61.6	59.5	53.1	48.9	48.9	46.8
105°	19.1	17.0	21.3	25.5	38.3	46.8	44.6	40.4	38.3	36.1	36.1
107.5°	17.0	14.9	17.0	21.3	31.9	38.3	36.1	31.9	29.8	27.6	29.8
110°	14.9	14.9	14.9	19.1	25.5	31.9	29.8	25.5	23.4	23.4	23.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.8	12.8	12.8	17.0	21.3	25.5	25.5	21.3	19.1	17.0	19.1
115°	12.8	12.8	12.8	14.9	19.1	23.4	21.3	17.0	14.9	14.9	17.0
117.5°	10.6	10.6	10.6	14.9	17.0	19.1	19.1	14.9	12.8	12.8	14.9
120°	10.6	10.6	10.6	12.8	17.0	17.0	17.0	12.8	12.8	12.8	14.9
122.5°	10.6	10.6	10.6	12.8	14.9	17.0	14.9	12.8	10.6	10.6	12.8
125°	10.6	10.6	10.6	12.8	14.9	14.9	12.8	10.6	10.6	10.6	12.8
127.5°	10.6	10.6	10.6	12.8	12.8	12.8	12.8	10.6	10.6	10.6	12.8
130°	10.6	10.6	10.6	10.6	12.8	12.8	10.6	10.6	10.6	10.6	10.6
132.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	8.5	10.6	10.6	10.6
135°	10.6	10.6	10.6	10.6	10.6	10.6	8.5	8.5	8.5	8.5	10.6
137.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	10.6
140°	8.5	8.5	8.5	8.5	8.5	8.5	6.4	6.4	6.4	6.4	8.5
142.5°	8.5	8.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
145°	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3	6.4	6.4
147.5°	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	140.3	140.3	138.1	136.0	136.0	136.0	136.0	136.0	133.9	133.9	133.9
5°	142.4	140.3	138.1	136.0	133.9	131.8	129.6	129.6	127.5	127.5	127.5
7.5°	148.8	146.6	140.3	136.0	131.8	129.6	127.5	125.4	123.3	121.1	121.1
10°	159.4	155.1	146.6	140.3	133.9	129.6	125.4	123.3	121.1	121.1	119.0
12.5°	178.5	174.3	161.5	150.9	140.3	133.9	127.5	125.4	125.4	125.4	127.5
15°	210.4	204.0	187.0	172.1	155.1	142.4	138.1	140.3	142.4	144.5	144.5
17.5°	250.8	242.3	223.1	197.6	174.3	159.4	157.3	159.4	163.6	167.9	167.9
20°	297.5	286.9	257.1	227.4	197.6	184.9	178.5	182.8	189.1	197.6	195.5
22.5°	363.4	346.4	310.3	261.4	227.4	210.4	201.9	208.3	221.0	229.5	229.5
25°	437.8	416.5	369.8	303.9	257.1	231.6	227.4	238.0	261.4	274.1	274.1
27.5°	522.8	497.3	433.5	348.5	289.0	255.0	250.8	274.1	303.9	327.3	325.2
30°	622.7	592.9	510.0	395.3	318.8	274.1	278.4	310.3	350.7	378.3	378.3
32.5°	737.4	690.7	584.4	446.3	342.2	291.1	299.6	342.2	391.0	418.7	422.9
35°	845.8	790.6	646.1	484.5	361.3	306.0	316.7	371.9	429.3	463.3	463.3
37.5°	939.3	879.8	694.9	510.0	369.8	314.5	331.5	395.3	450.5	484.5	484.5
40°	984.0	913.8	709.8	514.3	371.9	318.8	340.0	405.9	459.0	486.7	484.5
42.5°	1064.7	971.2	711.9	490.9	365.5	320.9	344.3	401.7	442.0	454.8	452.7
45°	1173.1	1052.0	722.6	469.7	350.7	316.7	340.0	386.8	410.2	412.3	408.0
47.5°	1313.4	1168.8	737.4	450.5	337.9	310.3	329.4	365.5	378.3	371.9	369.8
50°	1506.7	1302.7	758.7	429.3	329.4	299.6	318.8	350.7	359.2	346.4	344.3
52.5°	1695.9	1436.6	767.2	408.0	320.9	293.3	312.4	344.3	346.4	325.2	323.0
55°	1925.4	1581.1	756.6	384.7	316.7	291.1	312.4	340.0	331.5	310.3	306.0
57.5°	2212.3	1766.0	754.4	363.4	308.1	291.1	314.5	335.8	329.4	314.5	312.4
60°	2390.8	1844.6	720.4	350.7	301.8	295.4	318.8	342.2	333.7	316.7	314.5
62.5°	2518.3	1878.6	669.4	335.8	297.5	295.4	325.2	344.3	331.5	318.8	316.7
65°	2554.5	1844.6	616.3	320.9	291.1	295.4	327.3	342.2	335.8	327.3	327.3
67.5°	2401.4	1691.6	539.8	308.1	282.6	289.0	323.0	344.3	340.0	335.8	333.7
70°	2123.0	1474.9	469.7	291.1	267.8	278.4	316.7	344.3	344.3	342.2	342.2
72.5°	1693.8	1139.1	378.3	272.0	250.8	265.6	308.1	337.9	335.8	333.7	331.5
75°	1358.0	898.9	320.9	246.5	233.8	248.6	295.4	325.2	320.9	320.9	318.8
77.5°	1022.2	680.1	272.0	223.1	212.5	233.8	276.3	303.9	301.8	299.6	295.4
80°	739.6	503.7	231.6	201.9	195.5	214.6	252.9	276.3	276.3	276.3	274.1
82.5°	535.5	371.9	201.9	182.8	178.5	195.5	227.4	246.5	255.0	261.4	257.1
85°	352.8	261.4	178.5	165.8	165.8	180.6	206.1	223.1	235.9	242.3	240.1
87.5°	240.1	199.8	157.3	146.6	150.9	165.8	189.1	201.9	212.5	218.9	216.8
90°	170.0	155.1	133.9	125.4	129.6	148.8	170.0	180.6	184.9	187.0	184.9
92.5°	121.1	114.8	106.3	102.0	108.4	129.6	148.8	153.0	153.0	150.9	146.6
95°	91.4	87.1	85.0	80.8	89.3	108.4	123.3	123.3	123.3	116.9	116.9
97.5°	70.1	70.1	70.1	65.9	72.3	87.1	97.8	95.6	95.6	91.4	91.4
100°	57.4	57.4	57.4	55.3	59.5	70.1	74.4	74.4	76.5	74.4	74.4
102.5°	46.8	46.8	46.8	46.8	48.9	57.4	61.6	59.5	61.6	61.6	61.6
105°	38.3	38.3	40.4	38.3	42.5	48.9	48.9	48.9	51.0	46.8	48.9
107.5°	29.8	31.9	31.9	31.9	36.1	40.4	42.5	40.4	40.4	38.3	38.3
110°	25.5	27.6	27.6	27.6	29.8	34.0	36.1	34.0	31.9	31.9	31.9

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	23.4	23.4	23.4	25.5	29.8	29.8	27.6	25.5	25.5	25.5
115°	19.1	19.1	21.3	21.3	23.4	25.5	25.5	23.4	21.3	23.4	23.4
117.5°	17.0	17.0	19.1	19.1	19.1	21.3	21.3	19.1	19.1	21.3	21.3
120°	14.9	17.0	17.0	17.0	17.0	19.1	19.1	17.0	17.0	19.1	19.1
122.5°	14.9	14.9	14.9	14.9	17.0	17.0	17.0	14.9	14.9	17.0	17.0
125°	12.8	14.9	14.9	14.9	14.9	14.9	14.9	12.8	14.9	14.9	17.0
127.5°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	14.9	14.9
130°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	10.6	12.8	12.8	12.8
132.5°	12.8	12.8	10.6	10.6	10.6	10.6	10.6	10.6	10.6	12.8	12.8
135°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	12.8	12.8
137.5°	10.6	10.6	8.5	8.5	8.5	8.5	8.5	8.5	10.6	10.6	10.6
140°	8.5	8.5	8.5	6.4	6.4	6.4	8.5	8.5	8.5	8.5	8.5
142.5°	8.5	8.5	6.4	6.4	6.4	6.4	6.4	6.4	8.5	8.5	8.5
145°	6.4	6.4	6.4	4.3	4.3	6.4	6.4	6.4	6.4	6.4	6.4
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	2.1	4.3	4.3	4.3	4.3	4.3	4.3
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

(END OF REPORT)