

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: P695612

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695612  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
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-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5985.1 lumens  
Efficiency: N/A  
Efficacy: 96.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U3 - G2

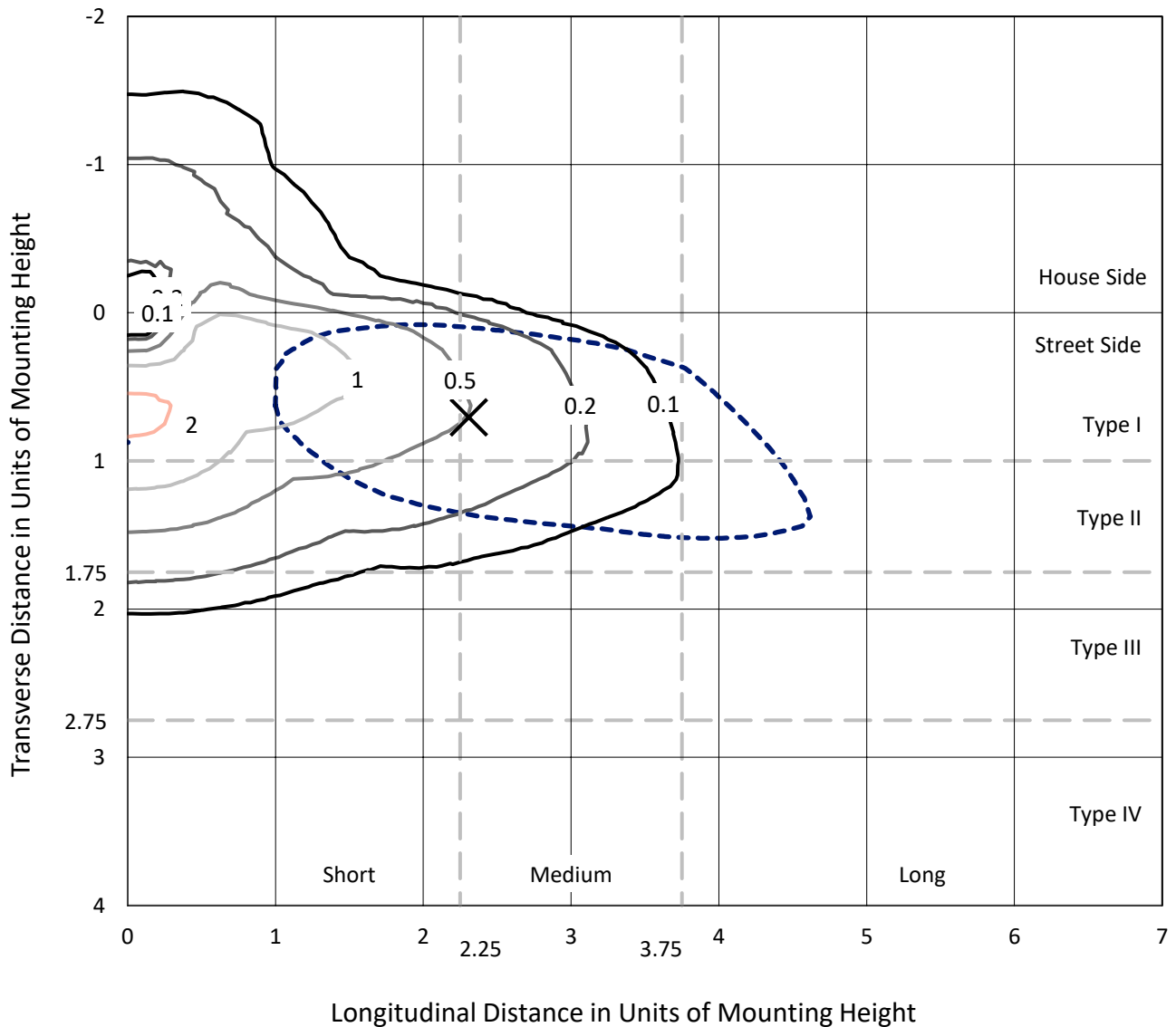
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

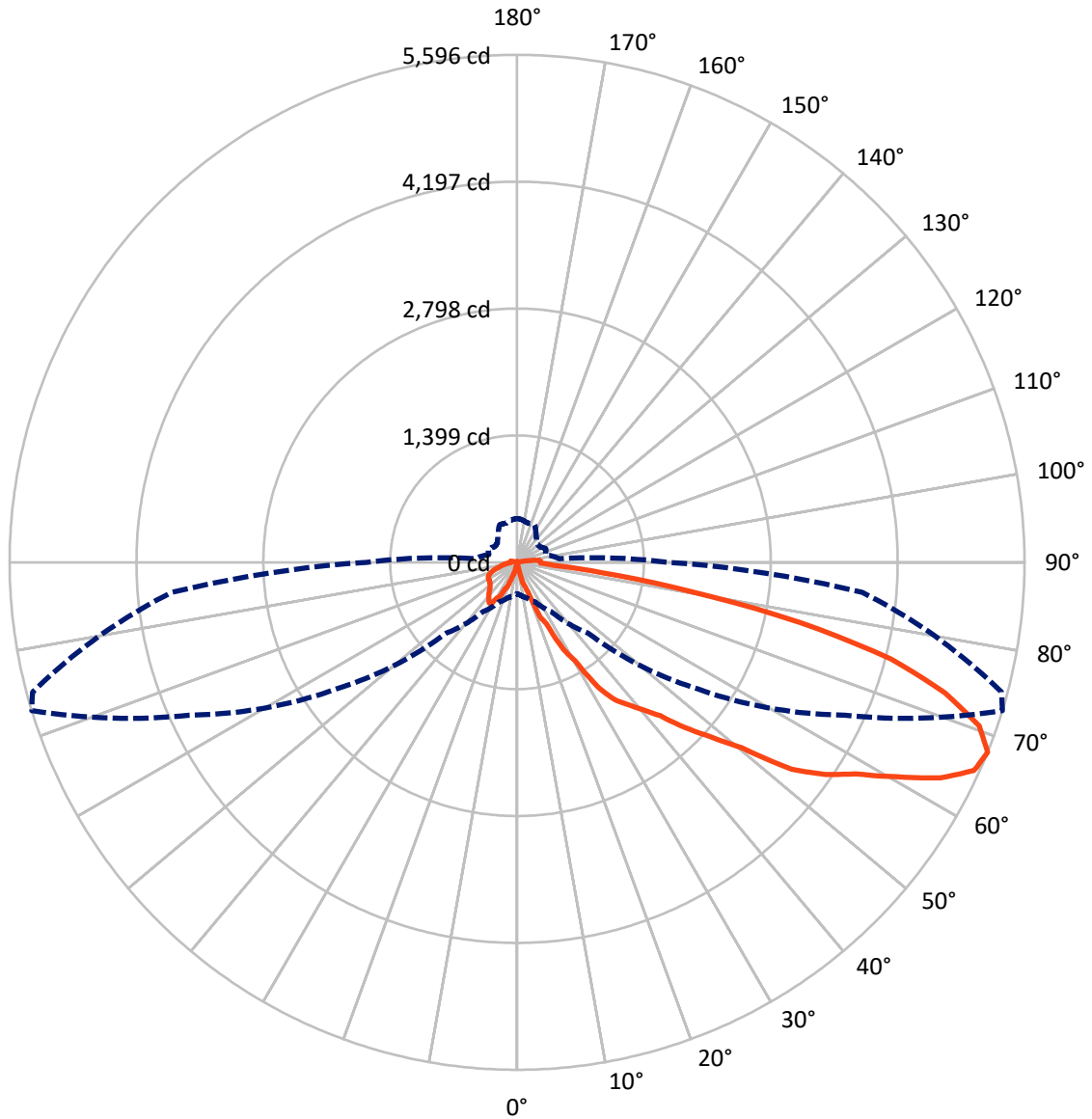
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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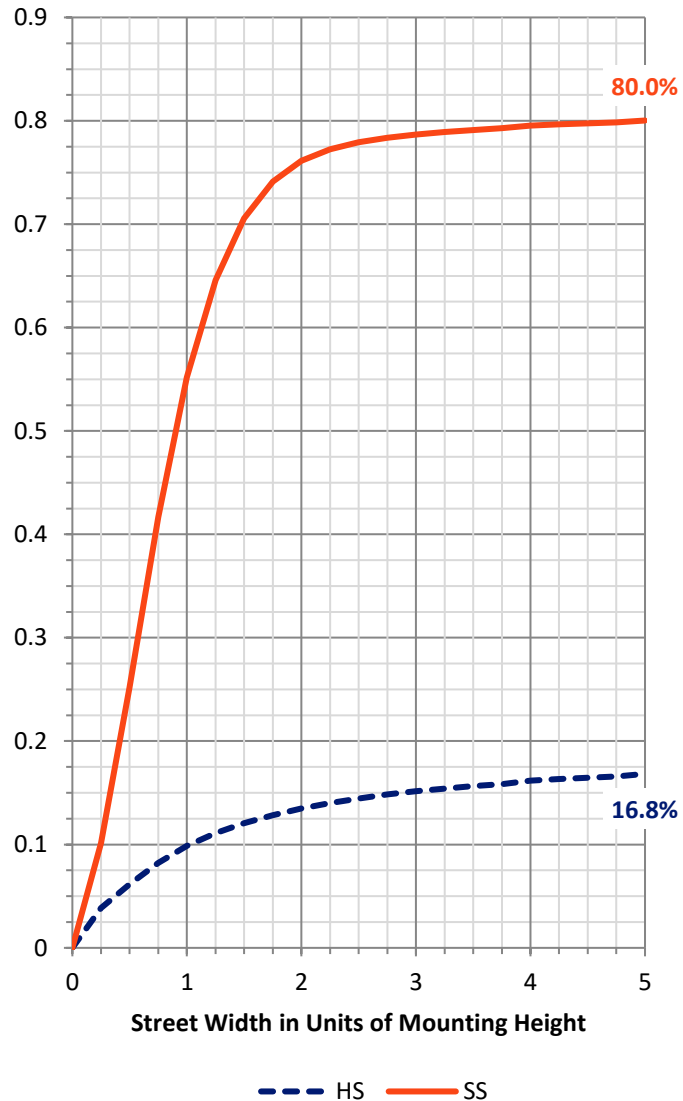
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1058.0	45.1	1103.1
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	4826.6	55.4	4882.0
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	5884.6	100.5	5985.1
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	48.4	0.8
20°-30°	299.6	5.0
30°-40°	753.6	12.6
40°-50°	1088.2	18.2
50°-60°	1330.9	22.2
60°-70°	1312.2	21.9
70°-80°	825.5	13.8
80°-90°	225.7	3.8
90°-100°	65.6	1.1
100°-110°	14.1	0.2
110°-120°	7.2	0.1
120°-130°	6.0	0.1
130°-140°	4.2	0.1
140°-150°	3.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5884.6	98.3
0°-180°	5985.1	100.0

**Coefficient of Utilization**

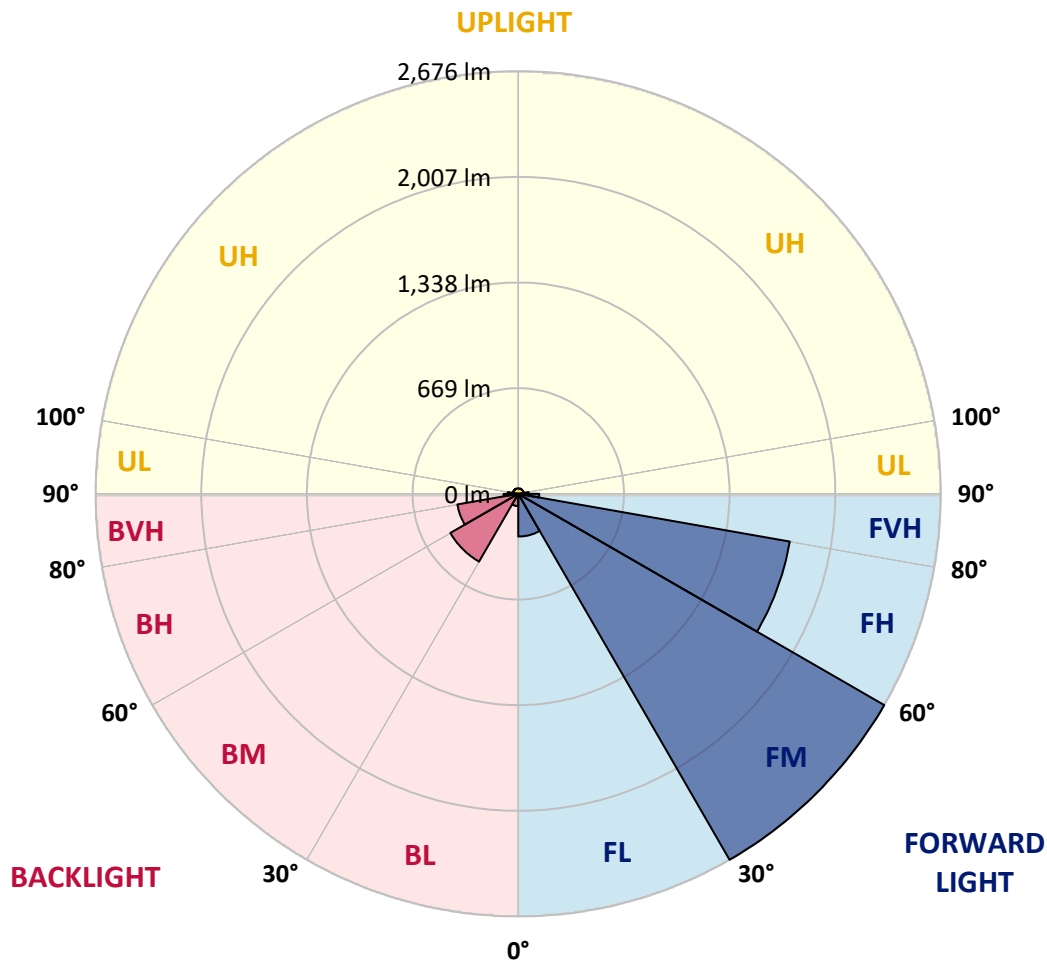


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.9	4.5			
FM (30°-60°)	2676.5	44.7			
FH (60°-80°)	1746.3	29.2			G1/1800
FVH (80°-90°)	133.0	2.2			G2/225
BL (0°-30°)	77.7	1.3	B0/110		
BM (30°-60°)	496.3	8.3	B1/1000		
BH (60°-80°)	391.4	6.5	B1/500		G1/500
BVH (80°-90°)	92.7	1.5			G1/100
UL (90°-100°)	65.6	1.1		U3/500	
UH (100°-180°)	34.9	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3
5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3
7.5°	8.5	10.6	8.5	8.5	8.5	8.5	8.5	6.4	4.3	4.3	4.3
10°	36.1	34.0	23.4	21.3	12.8	10.6	8.5	6.4	6.4	6.4	6.4
12.5°	284.8	282.7	276.3	248.7	42.5	21.3	12.8	17.0	23.4	27.6	31.9
15°	327.3	331.5	325.2	318.8	308.2	102.0	44.6	246.5	229.5	221.0	170.0
17.5°	590.8	442.1	388.9	380.4	357.0	299.7	272.0	301.8	274.2	265.7	206.2
20°	811.9	807.6	792.7	765.1	429.3	546.2	522.8	354.9	359.2	380.4	405.9
22.5°	907.5	903.2	884.1	854.4	892.6	629.1	593.0	658.8	652.5	633.3	490.9
25°	1487.7	1468.6	1364.4	994.6	996.8	877.7	909.6	848.0	748.1	729.0	571.7
27.5°	1613.1	1623.7	1598.2	1451.6	1141.3	1168.9	998.9	975.5	1088.1	1120.0	865.0
30°	2157.2	2208.2	1963.8	1655.6	1496.2	1277.3	1224.2	1338.9	1258.2	1222.0	945.8
32.5°	2520.6	2497.2	2450.5	2065.8	1698.1	1530.2	1528.1	1477.1	1647.1	1642.8	1328.3
35°	2665.1	2646.0	2599.2	2263.4	1953.1	1795.9	1662.0	1836.2	1863.9	1793.7	1417.6
37.5°	2773.5	2752.2	2697.0	2335.7	2157.2	1904.3	1959.5	1968.0	1993.5	1978.6	1496.2
40°	2779.9	2767.1	2728.9	2437.7	2269.8	1989.3	2123.2	2142.3	2135.9	2174.2	1596.1
42.5°	2756.5	2731.0	2707.6	2456.8	2329.3	2055.1	2248.6	2359.1	2312.3	2367.6	1713.0
45°	2665.1	2635.4	2624.7	2456.8	2320.8	2099.8	2395.2	2563.1	2599.2	2550.3	1840.5
47.5°	2510.0	2503.6	2507.8	2399.4	2312.3	2150.8	2535.5	2718.2	2875.5	2799.0	2027.5
50°	2352.7	2363.3	2393.1	2333.6	2286.8	2180.5	2714.0	2986.0	3217.7	3113.5	2308.1
52.5°	2104.0	2118.9	2203.9	2227.3	2214.5	2178.4	2852.1	3347.3	3791.5	3647.0	2599.2
55°	1876.6	1885.1	1942.5	2027.5	2076.4	2133.8	2907.4	3506.7	4129.4	3965.8	2788.4
57.5°	1617.3	1600.3	1674.7	1798.0	1908.5	2072.2	2964.8	3632.1	4401.5	4312.2	3034.9
60°	1309.2	1273.0	1381.4	1496.2	1664.1	1944.6	3000.9	3848.9	4801.0	4750.0	3394.1
62.5°	882.0	899.0	1007.4	1162.5	1396.3	1730.0	2960.5	4046.5	5234.6	5204.8	3693.7
65°	554.7	578.1	648.2	782.1	1020.1	1455.8	2790.5	4140.1	5536.4	5485.4	3865.9
67.5°	346.4	361.3	405.9	486.7	669.5	1103.0	2437.7	3989.2	5595.9	5530.0	3823.4
70°	286.9	291.2	297.5	316.7	412.3	763.0	1938.3	3598.1	5406.7	5417.3	3647.0
72.5°	257.2	261.4	261.4	259.3	265.7	478.2	1381.4	3051.9	4934.9	4934.9	3296.3
75°	235.9	238.0	231.7	229.5	225.3	297.5	843.7	2418.6	4261.2	4180.4	2754.4
77.5°	208.3	212.5	206.2	206.2	204.0	227.4	488.8	1844.7	3192.2	3056.2	1857.5
80°	178.5	178.5	178.5	178.5	180.6	180.6	306.0	1266.7	1923.4	1772.5	1003.1
82.5°	142.4	140.3	144.5	153.0	148.8	138.1	235.9	737.5	933.0	845.9	495.2
85°	55.3	68.0	78.6	95.6	99.9	95.6	180.6	363.4	397.4	425.1	306.0
87.5°	31.9	31.9	25.5	25.5	27.6	38.3	112.6	218.9	257.2	289.0	269.9
90°	34.0	34.0	25.5	23.4	23.4	31.9	97.8	199.8	261.4	291.2	274.2
92.5°	36.1	36.1	25.5	23.4	23.4	25.5	80.8	178.5	259.3	297.5	267.8
95°	31.9	34.0	23.4	21.3	23.4	23.4	59.5	142.4	240.2	244.4	250.8
97.5°	21.3	23.4	14.9	17.0	21.3	19.1	31.9	82.9	127.5	97.8	116.9
100°	12.8	14.9	10.6	12.8	14.9	14.9	17.0	36.1	31.9	21.3	21.3
102.5°	12.8	12.8	8.5	10.6	10.6	8.5	8.5	14.9	12.8	12.8	21.3
105°	12.8	12.8	8.5	8.5	6.4	6.4	6.4	10.6	10.6	12.8	21.3
107.5°	8.5	10.6	6.4	6.4	6.4	6.4	4.3	6.4	10.6	10.6	23.4
110°	6.4	6.4	4.3	4.3	4.3	6.4	4.3	6.4	8.5	10.6	17.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	4.3	6.4	4.3	4.3	4.3	4.3	4.3	6.4	8.5	8.5	10.6
115°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	8.5	12.8
117.5°	6.4	6.4	4.3	4.3	2.1	4.3	4.3	4.3	6.4	8.5	12.8
120°	6.4	6.4	4.3	4.3	2.1	2.1	4.3	4.3	8.5	8.5	12.8
122.5°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	6.4	8.5	12.8
125°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	6.4	8.5	10.6
127.5°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	6.4	6.4	10.6
130°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	6.4	6.4	10.6
132.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	8.5
135°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4
137.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
140°	6.4	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
142.5°	6.4	6.4	6.4	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3
145°	8.5	8.5	8.5	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	8.5	8.5	8.5	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3
150°	8.5	10.6	8.5	6.4	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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4	6.4
5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	4.3	4.3
7.5°	4.3	4.3	4.3	2.1	2.1	2.1	2.1	4.3	4.3	4.3	4.3
10°	6.4	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	4.3	2.1
12.5°	31.9	31.9	23.4	10.6	4.3	2.1	2.1	2.1	6.4	6.4	6.4
15°	155.1	140.3	125.4	110.5	29.8	4.3	4.3	19.1	72.3	102.0	106.3
17.5°	180.6	163.6	146.6	133.9	119.0	44.6	48.9	127.5	131.8	133.9	131.8
20°	348.5	310.3	201.9	153.0	131.8	138.1	121.1	136.0	146.6	150.9	150.9
22.5°	414.4	357.0	306.0	267.8	157.3	189.2	176.4	157.3	244.4	250.8	252.9
25°	480.3	405.9	329.4	284.8	274.2	195.5	208.3	240.2	259.3	263.5	261.4
27.5°	701.3	578.1	461.2	308.2	291.2	244.4	261.4	252.9	276.3	337.9	344.3
30°	754.5	601.5	469.7	374.0	306.0	286.9	269.9	329.4	357.0	357.0	359.2
32.5°	1045.6	803.4	578.1	374.0	337.9	289.0	323.0	344.3	361.3	386.8	378.3
35°	1094.5	811.9	571.7	433.6	337.9	303.9	333.7	354.9	433.6	442.1	439.9
37.5°	1134.9	803.4	539.8	420.8	365.5	323.0	340.0	405.9	437.8	435.7	431.4
40°	1179.5	790.6	507.9	412.3	363.4	325.2	363.4	408.1	427.2	416.6	405.9
42.5°	1230.5	771.5	480.3	393.2	354.9	327.3	365.5	397.4	395.3	388.9	382.6
45°	1296.4	750.2	448.4	376.2	350.7	323.0	359.2	369.8	384.7	380.4	376.2
47.5°	1394.2	729.0	420.8	361.3	346.4	316.7	363.4	376.2	388.9	378.3	376.2
50°	1538.7	699.2	397.4	357.0	344.3	335.8	333.7	386.8	397.4	371.9	367.7
52.5°	1636.5	665.2	384.7	352.8	337.9	327.3	354.9	382.6	393.2	363.4	361.3
55°	1702.4	616.3	374.0	352.8	333.7	308.2	384.7	391.1	391.1	357.0	352.8
57.5°	1774.6	582.3	367.7	359.2	331.5	286.9	401.7	399.6	391.1	346.4	348.5
60°	1878.8	561.1	361.3	365.5	331.5	293.3	395.3	418.7	391.1	352.8	365.5
62.5°	1938.3	539.8	357.0	367.7	327.3	293.3	382.6	446.3	422.9	395.3	397.4
65°	1855.4	512.2	344.3	365.5	320.9	299.7	369.8	456.9	452.7	439.9	442.1
67.5°	1666.2	465.4	320.9	350.7	299.7	303.9	363.4	456.9	448.4	476.1	482.4
70°	1455.8	410.2	286.9	325.2	284.8	299.7	378.3	442.1	442.1	493.1	503.7
72.5°	1232.7	335.8	248.7	297.5	284.8	291.2	395.3	425.1	425.1	493.1	490.9
75°	1011.6	267.8	208.3	255.0	263.5	291.2	393.2	405.9	395.3	450.6	439.9
77.5°	739.6	212.5	178.5	214.7	238.0	291.2	380.4	378.3	361.3	386.8	382.6
80°	454.8	167.9	150.9	182.8	199.8	278.4	359.2	344.3	314.5	327.3	323.0
82.5°	263.5	125.4	127.5	155.1	159.4	255.0	325.2	299.7	267.8	274.2	267.8
85°	170.0	80.8	99.9	119.0	125.4	208.3	278.4	252.9	216.8	280.5	267.8
87.5°	131.8	46.8	68.0	78.6	76.5	91.4	159.4	150.9	148.8	121.1	116.9
90°	123.3	40.4	68.0	68.0	55.3	44.6	61.6	63.8	53.1	57.4	51.0
92.5°	110.5	40.4	72.3	68.0	48.9	36.1	51.0	51.0	40.4	38.3	36.1
95°	91.4	36.1	76.5	70.1	44.6	31.9	42.5	40.4	31.9	29.8	27.6
97.5°	48.9	23.4	72.3	63.8	40.4	29.8	38.3	34.0	23.4	21.3	19.1
100°	17.0	14.9	70.1	55.3	34.0	23.4	27.6	25.5	14.9	12.8	10.6
102.5°	14.9	12.8	40.4	40.4	21.3	12.8	17.0	17.0	12.8	10.6	10.6
105°	17.0	12.8	14.9	21.3	10.6	6.4	8.5	10.6	10.6	12.8	12.8
107.5°	17.0	12.8	10.6	10.6	8.5	6.4	6.4	6.4	10.6	12.8	12.8
110°	14.9	12.8	8.5	10.6	8.5	6.4	6.4	6.4	10.6	14.9	14.9

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**CANDELA DISTRIBUTION (continued):**

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