

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: P696042

Luminaire Tested: **LXF.LXT-PA16-827-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696042  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-827-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5565.9 lumens  
Efficiency: N/A  
Efficacy: 77.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

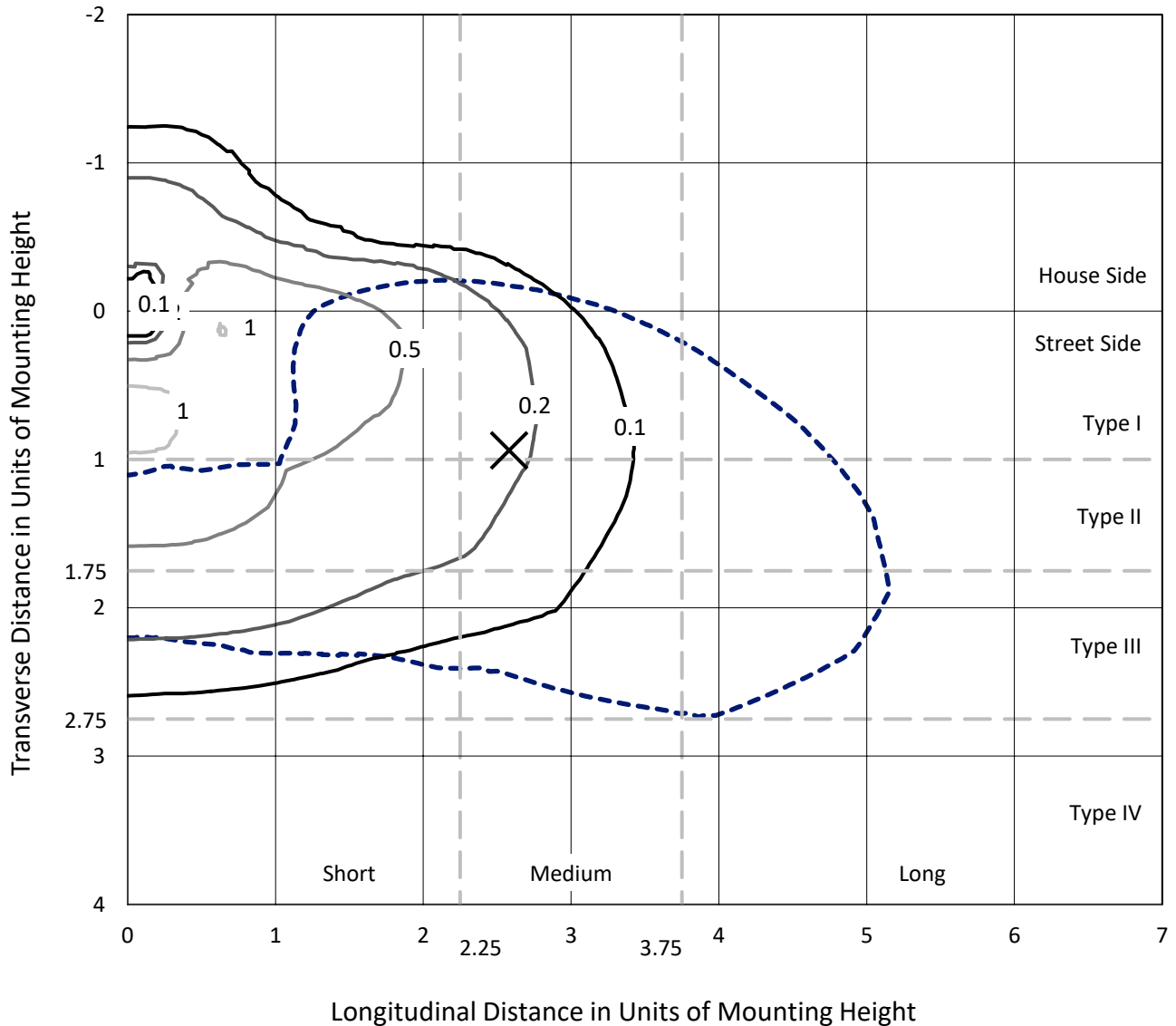
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

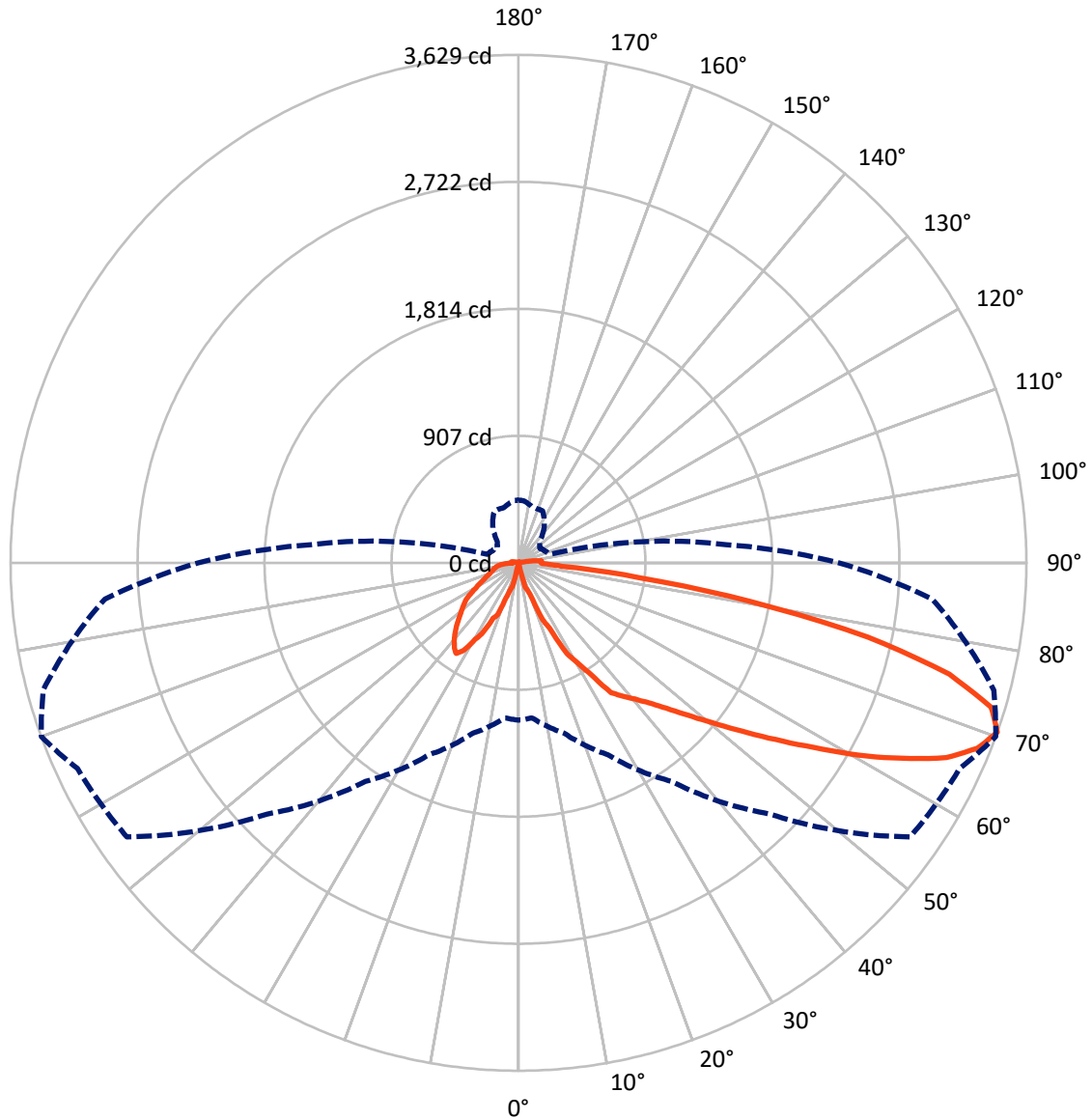
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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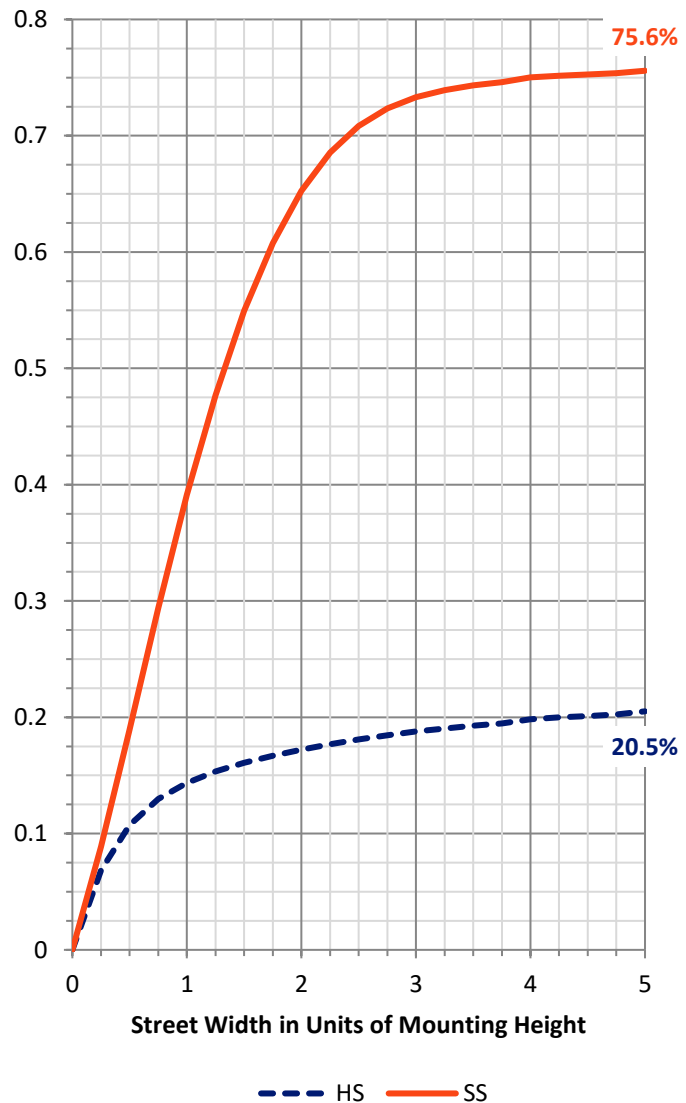
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1211.2	60.0	1271.2
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	4242.0	52.7	4294.7
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	5453.2	112.7	5565.9
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	39.7	0.7
20°-30°	227.4	4.1
30°-40°	525.0	9.4
40°-50°	769.0	13.8
50°-60°	1137.4	20.4
60°-70°	1491.8	26.8
70°-80°	1013.1	18.2
80°-90°	249.2	4.5
90°-100°	81.9	1.5
100°-110°	14.6	0.3
110°-120°	5.8	0.1
120°-130°	4.6	0.1
130°-140°	3.2	0.1
140°-150°	2.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5453.2	98.0
0°-180°	5565.9	100.0

**Coefficient of Utilization**

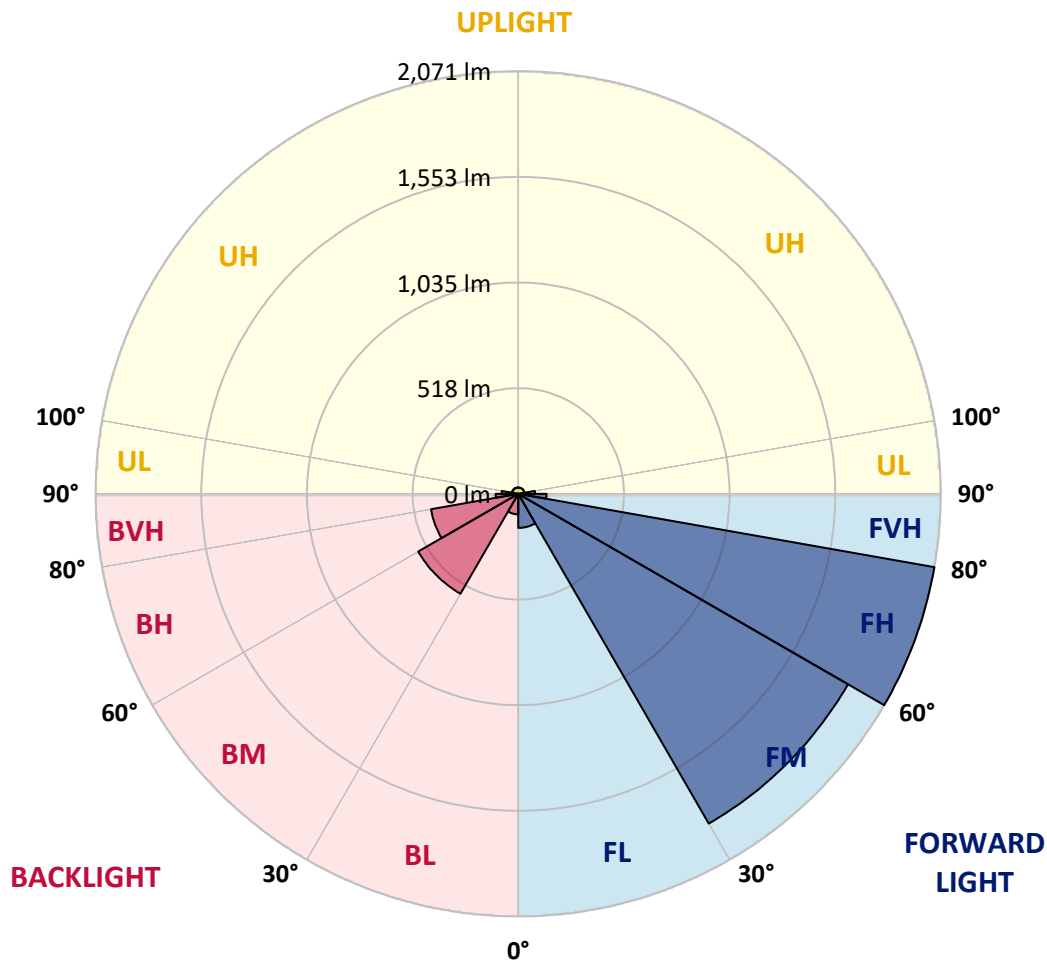


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.1	3.0			
FM (30°-60°)	1865.8	33.5			
FH (60°-80°)	2070.6	37.2			G2/5000
FVH (80°-90°)	138.5	2.5			G2/225
BL (0°-30°)	100.5	1.8	B0/110		
BM (30°-60°)	565.7	10.2	B1/1000		
BH (60°-80°)	434.3	7.8	B1/500		G1/500
BVH (80°-90°)	110.8	2.0			G2/225
UL (90°-100°)	81.9	1.5		U3/500	
UH (100°-180°)	30.9	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
5°	3.9	3.9	3.9	3.9	5.8	5.8	3.9	3.9	3.9	3.9	3.9
7.5°	5.8	3.9	3.9	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9
10°	33.1	35.1	23.4	13.6	9.7	5.8	5.8	5.8	5.8	5.8	5.8
12.5°	179.2	177.3	173.4	120.8	42.9	13.6	9.7	17.5	21.4	27.3	39.0
15°	202.6	204.5	198.7	196.7	185.0	70.1	37.0	163.6	179.2	181.2	181.2
17.5°	282.4	280.5	253.2	222.1	208.4	216.2	173.4	194.8	202.6	206.5	208.4
20°	475.3	473.3	467.5	399.3	257.1	315.6	305.8	231.8	245.4	315.6	401.3
22.5°	529.8	525.9	518.1	498.7	516.2	360.4	350.6	407.1	442.2	463.6	461.6
25°	812.3	820.1	675.9	561.0	570.7	492.8	529.8	525.9	516.2	520.1	525.9
27.5°	903.8	896.0	884.3	827.9	635.0	670.1	603.8	672.0	734.4	769.4	759.7
30°	1159.0	1157.0	1018.7	921.4	833.7	726.6	751.9	847.3	825.9	831.7	800.6
32.5°	1353.8	1351.8	1332.4	1137.6	944.7	822.0	892.1	896.0	950.6	1057.7	1067.4
35°	1429.7	1422.0	1408.3	1266.1	1075.2	968.1	942.8	1108.3	1139.5	1143.4	1116.1
37.5°	1507.7	1497.9	1486.2	1328.5	1203.8	1026.5	1081.1	1207.7	1207.7	1233.0	1164.8
40°	1552.5	1552.5	1550.5	1381.1	1262.2	1079.1	1149.3	1283.7	1279.8	1297.3	1233.0
42.5°	1609.0	1603.1	1624.5	1435.6	1322.6	1133.7	1215.5	1355.7	1367.4	1412.2	1324.6
45°	1688.8	1696.6	1706.3	1552.5	1404.4	1213.5	1293.4	1468.7	1480.4	1540.8	1457.0
47.5°	1776.5	1786.2	1821.3	1675.2	1536.9	1314.8	1359.6	1597.3	1624.5	1698.6	1624.5
50°	1885.6	1887.5	1938.1	1797.9	1706.3	1459.0	1480.4	1721.9	1794.0	1860.2	1815.4
52.5°	1963.5	1971.3	2033.6	1955.7	1862.2	1632.3	1655.7	1883.6	1996.6	2078.4	2021.9
55°	2031.6	2037.5	2095.9	2076.4	1992.7	1764.8	1883.6	2101.8	2228.4	2298.5	2275.1
57.5°	2057.0	2062.8	2150.5	2166.1	2125.1	1932.3	2123.2	2318.0	2487.5	2565.4	2526.4
60°	2039.4	2039.4	2146.6	2230.3	2271.2	2117.4	2376.4	2561.5	2791.3	2843.9	2857.5
62.5°	1981.0	1996.6	2127.1	2257.6	2376.4	2298.5	2633.5	2863.4	3075.7	3124.4	3093.2
65°	1852.4	1856.3	1994.6	2199.2	2388.1	2495.2	2962.7	3118.6	3358.2	3340.6	3208.2
67.5°	1609.0	1581.7	1702.5	1990.7	2259.5	2596.5	3237.4	3334.8	3535.4	3477.0	3179.0
70°	1123.9	1112.2	1260.3	1513.5	1905.0	2538.1	3414.6	3477.0	3628.9	3515.9	2966.6
72.5°	533.7	576.6	650.6	866.8	1320.7	2142.7	3365.9	3463.3	3531.5	3403.0	2577.1
75°	233.7	239.6	278.5	393.5	679.8	1353.8	2945.2	3110.8	3179.0	3032.9	2029.7
77.5°	167.5	167.5	185.0	214.3	309.7	646.7	2006.3	2464.1	2551.7	2409.5	1422.0
80°	130.5	130.5	144.1	163.6	192.8	266.9	1250.5	1651.8	1683.0	1472.6	792.8
82.5°	97.4	101.3	113.0	122.7	142.2	183.1	535.7	849.3	870.7	683.7	414.9
85°	70.1	70.1	77.9	77.9	93.5	142.2	276.6	311.7	309.7	274.7	257.1
87.5°	23.4	23.4	19.5	23.4	39.0	89.6	173.4	175.3	167.5	190.9	216.2
90°	27.3	27.3	19.5	21.4	29.2	81.8	167.5	167.5	159.7	171.4	216.2
92.5°	29.2	29.2	21.4	21.4	25.3	72.1	169.5	177.3	167.5	173.4	214.3
95°	29.2	29.2	21.4	19.5	23.4	48.7	163.6	163.6	157.8	153.9	169.5
97.5°	17.5	17.5	13.6	15.6	19.5	25.3	97.4	101.3	89.6	70.1	91.6
100°	11.7	11.7	9.7	11.7	13.6	13.6	46.7	48.7	37.0	17.5	19.5
102.5°	11.7	11.7	7.8	9.7	7.8	7.8	13.6	17.5	11.7	11.7	15.6
105°	11.7	13.6	5.8	5.8	5.8	5.8	5.8	11.7	9.7	9.7	15.6
107.5°	11.7	11.7	5.8	5.8	5.8	5.8	3.9	5.8	7.8	9.7	17.5
110°	5.8	7.8	3.9	5.8	3.9	5.8	3.9	5.8	7.8	7.8	13.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.9	3.9	1.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8	9.7
115°	3.9	3.9	1.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8	9.7
117.5°	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	5.8	9.7
120°	5.8	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8	9.7
122.5°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
125°	5.8	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
127.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	9.7
130°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	7.8
132.5°	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	7.8
135°	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9	3.9	5.8
137.5°	3.9	3.9	1.9	1.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
150°	5.8	5.8	5.8	3.9	3.9	1.9	3.9	3.9	3.9	3.9	5.8
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
7.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
10°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8
12.5°	35.1	35.1	27.3	13.6	5.8	3.9	3.9	3.9	5.8	9.7	7.8
15°	185.0	185.0	181.2	165.6	35.1	9.7	7.8	17.5	77.9	140.2	142.2
17.5°	212.3	210.4	206.5	196.7	175.3	62.3	60.4	163.6	175.3	183.1	185.0
20°	399.3	395.4	305.8	218.2	190.9	188.9	165.6	185.0	190.9	194.8	196.7
22.5°	455.8	450.0	428.5	377.9	218.2	257.1	241.5	200.6	300.0	321.4	321.4
25°	524.0	508.4	465.5	407.1	372.0	270.8	278.5	292.2	309.7	313.6	313.6
27.5°	746.0	732.4	670.1	448.0	399.3	319.5	323.3	296.1	311.7	356.5	362.3
30°	781.1	759.7	703.2	553.2	414.9	358.4	309.7	346.7	364.3	362.3	364.3
32.5°	1040.2	1018.7	903.8	568.8	446.1	337.0	338.9	346.7	358.4	377.9	391.5
35°	1081.1	1057.7	927.2	646.7	426.6	335.0	335.0	350.6	403.2	411.0	411.0
37.5°	1125.9	1106.4	917.5	603.8	430.5	335.0	325.3	358.4	379.8	377.9	377.9
40°	1203.8	1172.6	892.1	551.3	391.5	321.4	325.3	337.0	348.7	337.0	331.1
42.5°	1295.3	1238.9	859.0	496.7	360.4	303.9	307.8	311.7	311.7	290.2	288.3
45°	1412.2	1307.0	814.2	446.1	331.1	282.4	292.2	286.3	286.3	268.8	266.9
47.5°	1544.7	1377.2	759.7	401.3	305.8	263.0	276.6	270.8	274.7	259.1	257.1
50°	1698.6	1468.7	707.1	368.2	284.4	253.2	261.0	268.8	274.7	255.2	253.2
52.5°	1860.2	1558.3	670.1	331.1	264.9	241.5	266.9	268.8	272.7	253.2	253.2
55°	2058.9	1669.3	625.3	303.9	251.3	231.8	280.5	280.5	274.7	257.1	255.2
57.5°	2273.2	1780.4	541.5	278.5	239.6	226.0	286.3	296.1	282.4	261.0	261.0
60°	2471.9	1891.4	446.1	259.1	227.9	224.0	290.2	303.9	292.2	272.7	272.7
62.5°	2623.8	1945.9	374.0	243.5	214.3	218.2	288.3	319.5	315.6	305.8	305.8
65°	2641.3	1897.2	313.6	229.9	202.6	216.2	284.4	335.0	337.0	352.6	354.5
67.5°	2547.8	1741.4	266.9	218.2	192.8	210.4	286.3	368.2	377.9	407.1	403.2
70°	2290.7	1488.2	231.8	204.5	185.0	212.3	321.4	409.1	407.1	444.1	448.0
72.5°	1912.8	1178.5	210.4	196.7	188.9	227.9	362.3	420.7	413.0	453.9	450.0
75°	1451.2	831.7	192.8	187.0	183.1	231.8	372.0	409.1	393.5	420.7	416.8
77.5°	954.5	547.4	175.3	175.3	177.3	222.1	356.5	389.6	370.1	387.6	385.7
80°	537.6	325.3	157.8	165.6	169.5	212.3	333.1	362.3	342.8	356.5	356.5
82.5°	323.3	231.8	138.3	151.9	155.8	210.4	311.7	337.0	319.5	327.2	317.5
85°	220.1	169.5	109.1	128.6	146.1	202.6	294.1	311.7	280.5	274.7	266.9
87.5°	179.2	132.5	60.4	81.8	109.1	173.4	233.7	235.7	206.5	202.6	200.6
90°	175.3	122.7	42.9	44.8	72.1	120.8	153.9	148.0	138.3	140.2	138.3
92.5°	171.4	116.9	46.7	48.7	72.1	95.4	130.5	128.6	118.8	128.6	126.6
95°	146.1	101.3	48.7	52.6	62.3	58.4	95.4	101.3	93.5	99.3	101.3
97.5°	76.0	54.5	46.7	52.6	46.7	35.1	56.5	64.3	48.7	39.0	42.9
100°	25.3	17.5	46.7	54.5	35.1	25.3	40.9	46.7	29.2	11.7	11.7
102.5°	15.6	15.6	33.1	42.9	25.3	13.6	27.3	33.1	21.4	9.7	9.7
105°	15.6	15.6	13.6	23.4	9.7	7.8	9.7	17.5	11.7	9.7	9.7
107.5°	17.5	15.6	7.8	7.8	7.8	5.8	5.8	7.8	7.8	9.7	9.7
110°	15.6	13.6	7.8	7.8	5.8	5.8	5.8	5.8	7.8	11.7	11.7

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.7	11.7	7.8	5.8	5.8	5.8	5.8	5.8	7.8	11.7	11.7
115°	9.7	9.7	5.8	5.8	3.9	5.8	5.8	5.8	7.8	11.7	13.6
117.5°	11.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	7.8	13.6	13.6
120°	11.7	9.7	5.8	5.8	3.9	3.9	3.9	5.8	7.8	13.6	15.6
122.5°	11.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	7.8	13.6	15.6
125°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	7.8	13.6	13.6
127.5°	9.7	9.7	5.8	3.9	3.9	3.9	3.9	5.8	7.8	13.6	13.6
130°	9.7	7.8	5.8	3.9	3.9	3.9	3.9	5.8	7.8	11.7	13.6
132.5°	7.8	7.8	5.8	3.9	3.9	3.9	3.9	3.9	7.8	11.7	11.7
135°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	5.8	7.8	9.7
137.5°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	5.8	5.8	7.8
140°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
142.5°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
145°	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
147.5°	5.8	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
150°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	3.9	3.9	5.8	5.8
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)