

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: P696039

Luminaire Tested: **LXF.LXT-PA16-827-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
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-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5560 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

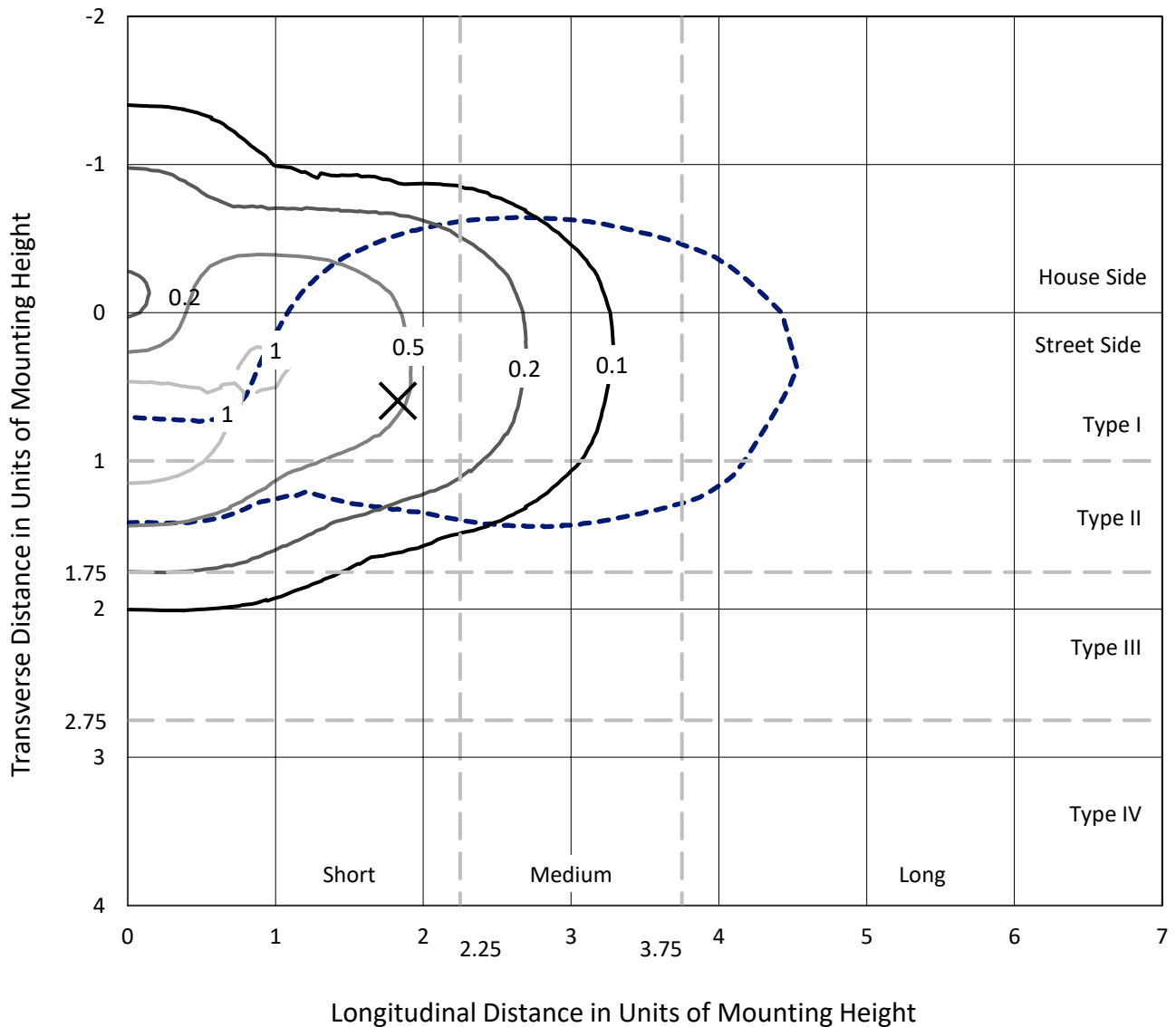
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

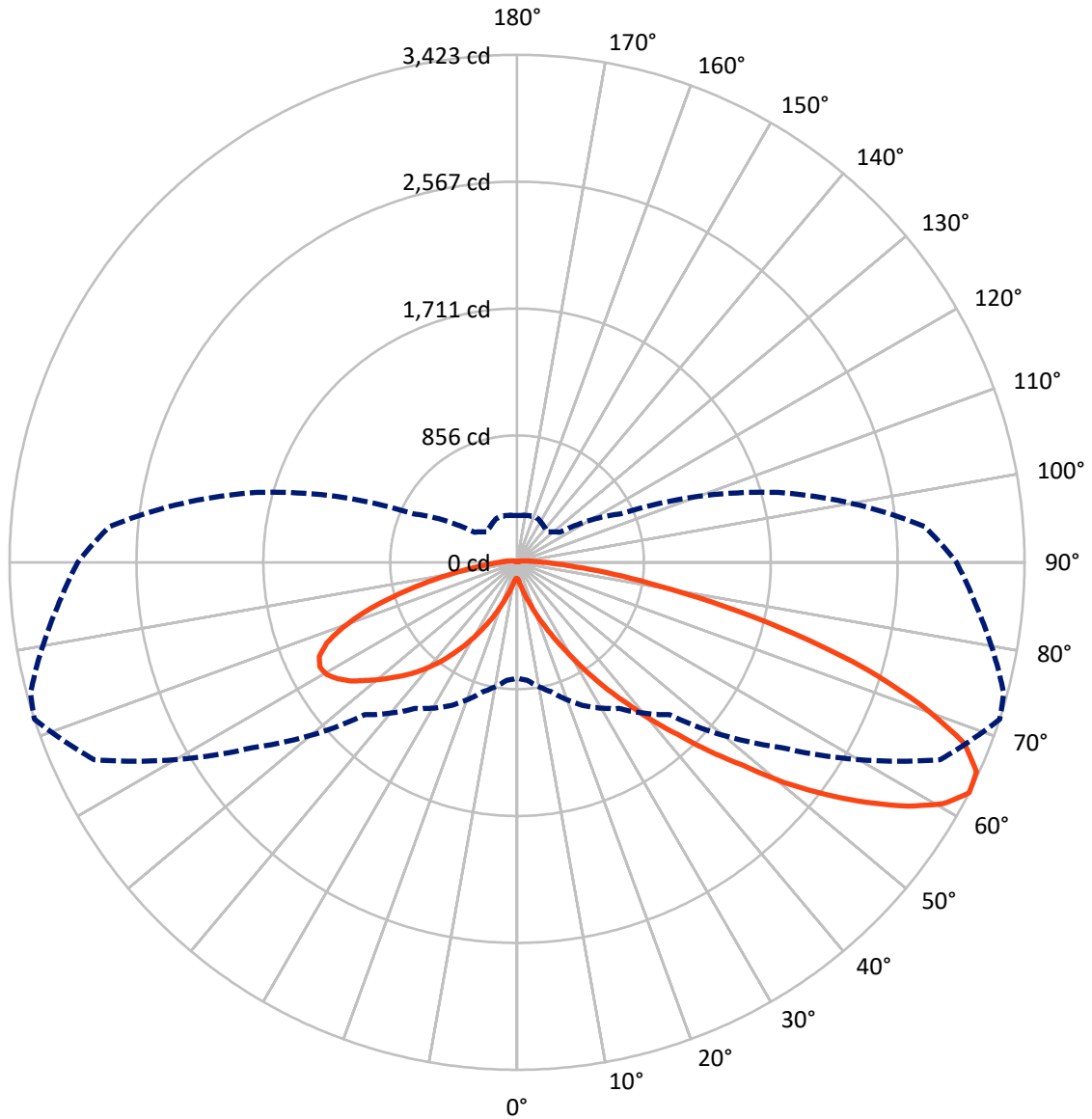
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

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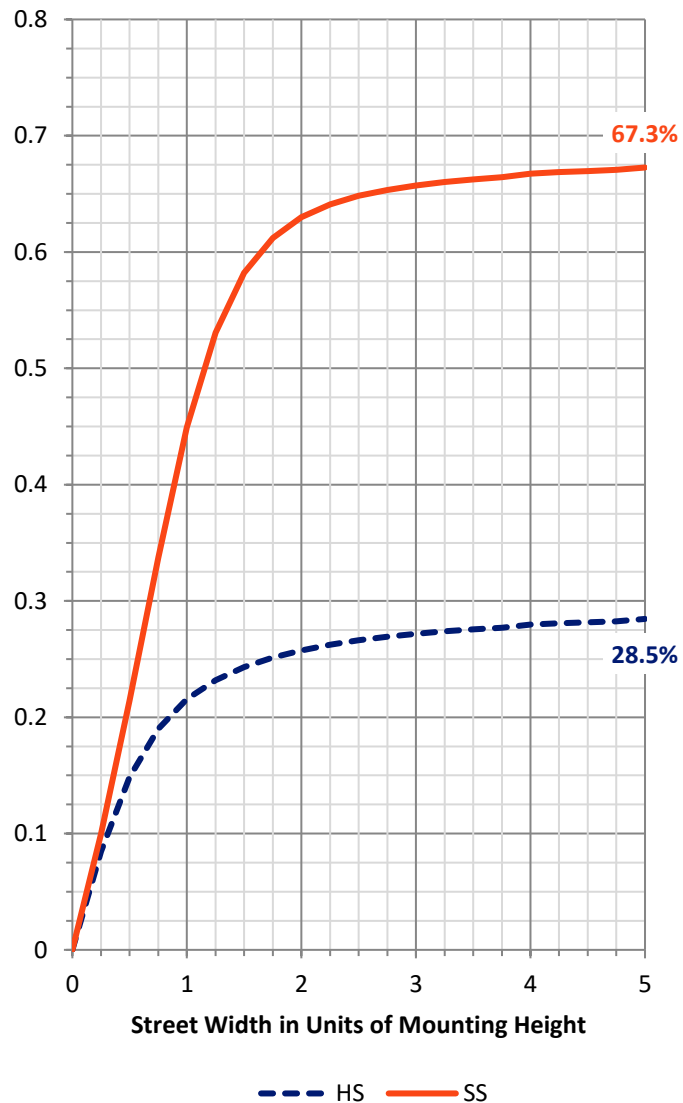
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1630.2	82.9	1713.1
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	3779.6	67.2	3846.9
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	5409.8	150.1	5560.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.9	0.2
10°-20°	70.2	1.3
20°-30°	231.7	4.2
30°-40°	553.6	10.0
40°-50°	984.3	17.7
50°-60°	1301.4	23.4
60°-70°	1250.4	22.5
70°-80°	759.0	13.7
80°-90°	246.3	4.4
90°-100°	75.7	1.4
100°-110°	35.4	0.6
110°-120°	18.3	0.3
120°-130°	10.8	0.2
130°-140°	6.5	0.1
140°-150°	3.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5409.8	97.3
0°-180°	5560.0	100.0

**Coefficient of Utilization**

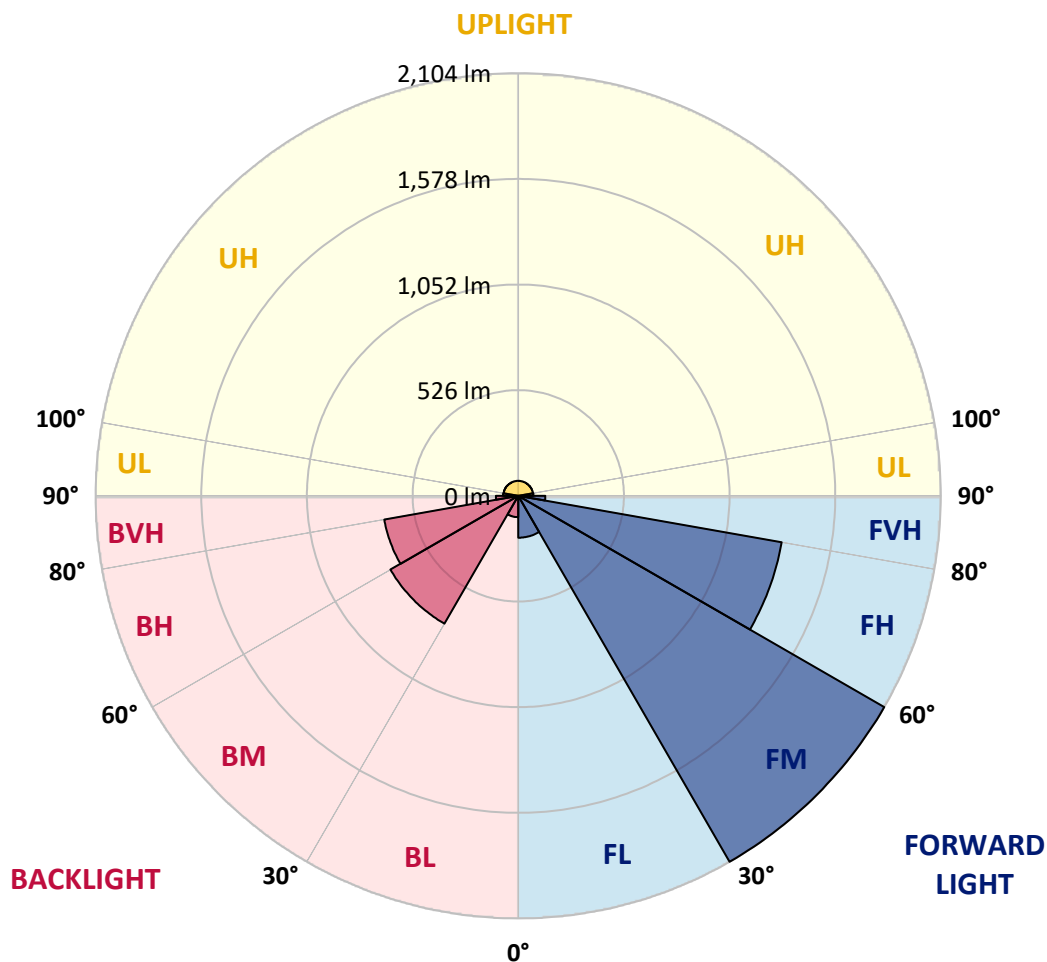


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.5	3.8			
FM (30°-60°)	2104.4	37.8			
FH (60°-80°)	1332.0	24.0			G1/1800
FVH (80°-90°)	134.7	2.4			G2/225
BL (0°-30°)	106.3	1.9	B0/110		
BM (30°-60°)	734.9	13.2	B1/1000		
BH (60°-80°)	677.4	12.2	B2/1000		G2/1000
BVH (80°-90°)	111.5	2.0			G2/225
UL (90°-100°)	75.7	1.4		U3/500	
UH (100°-180°)	74.4	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°	72°	75°	85°
0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	122.7	124.7	122.7	124.7	122.7	120.8	120.8	116.9	116.9	114.9	113.0
5°	146.1	148.0	148.0	146.1	142.2	140.3	134.4	132.5	128.6	126.6	122.7
7.5°	179.2	177.3	179.2	173.4	171.4	167.5	159.7	153.9	148.0	146.1	140.3
10°	222.1	220.1	218.2	214.3	208.4	200.6	192.9	181.2	177.3	175.3	165.6
12.5°	272.7	276.6	270.8	264.9	255.2	245.4	231.8	218.2	212.3	210.4	194.8
15°	346.7	346.7	338.9	329.2	309.7	294.1	280.5	266.9	257.1	253.2	239.6
17.5°	440.2	434.4	424.7	401.3	383.8	358.4	342.8	321.4	311.7	309.7	292.2
20°	543.5	547.4	526.0	496.7	463.6	432.5	409.1	387.6	377.9	376.0	354.5
22.5°	679.8	679.8	650.6	611.7	557.1	514.3	487.0	465.6	451.9	444.1	430.5
25°	837.6	837.6	804.5	728.5	670.1	611.7	572.7	549.3	543.5	535.7	516.2
27.5°	1026.6	1032.4	970.1	894.1	787.0	716.9	670.1	656.5	644.8	648.7	609.7
30°	1244.8	1235.0	1168.8	1051.9	929.2	837.6	790.9	771.4	763.6	765.6	730.5
32.5°	1453.2	1437.6	1377.2	1242.8	1079.2	975.9	923.3	907.8	901.9	894.1	851.3
35°	1694.7	1681.1	1595.4	1431.8	1250.6	1116.2	1053.9	1053.9	1053.9	1044.1	981.8
37.5°	1928.5	1903.2	1809.7	1630.5	1420.1	1268.1	1215.5	1223.3	1211.6	1198.0	1127.9
40°	2115.5	2098.0	2008.4	1825.3	1593.5	1433.7	1383.1	1394.8	1400.6	1381.1	1283.7
42.5°	2248.0	2240.2	2168.1	1996.7	1749.3	1597.4	1577.9	1591.5	1587.6	1566.2	1459.0
45°	2312.3	2304.5	2257.7	2117.5	1901.2	1759.0	1761.0	1821.4	1811.6	1788.3	1634.4
47.5°	2277.2	2286.9	2269.4	2181.7	1996.7	1895.4	1949.9	2057.1	2043.4	2022.0	1833.1
50°	2172.0	2168.1	2195.4	2164.2	2033.7	1986.9	2135.0	2329.8	2333.7	2277.2	2061.0
52.5°	1951.9	1961.6	2039.5	2057.1	2002.5	2022.0	2290.8	2592.8	2600.6	2532.4	2279.1
55°	1690.9	1688.9	1790.2	1879.8	1883.7	1983.1	2380.4	2818.7	2857.7	2807.1	2512.9
57.5°	1344.1	1379.2	1484.4	1626.6	1696.7	1864.2	2411.6	3021.3	3103.1	3033.0	2723.3
60°	1040.2	1067.5	1194.1	1348.0	1461.0	1683.1	2333.7	3132.4	3305.7	3257.0	2949.3
62.5°	781.1	798.7	905.8	1067.5	1203.9	1453.2	2177.9	3147.9	3422.6	3397.3	3099.2
65°	574.7	584.4	687.6	827.9	962.3	1178.5	1897.3	3015.5	3405.1	3422.6	3202.5
67.5°	416.9	432.5	508.4	633.1	748.0	944.8	1591.5	2731.1	3251.2	3301.8	3165.5
70°	329.2	337.0	389.6	487.0	570.8	720.8	1283.7	2339.5	2896.7	3011.6	2980.4
72.5°	264.9	268.8	309.7	383.8	438.3	547.4	970.1	1891.5	2464.2	2596.7	2668.7
75°	218.2	222.1	255.2	305.8	348.7	409.1	711.0	1431.8	1936.3	2080.5	2236.3
77.5°	173.4	181.2	206.5	245.4	276.6	311.7	498.7	1034.4	1431.8	1544.8	1725.9
80°	138.3	142.2	165.6	196.7	220.1	245.4	366.2	685.7	968.2	1108.4	1244.8
82.5°	105.2	109.1	126.6	151.9	171.4	189.0	261.0	451.9	650.6	720.8	796.7
85°	76.0	76.0	93.5	114.9	132.5	150.0	190.9	294.1	397.4	438.3	490.9
87.5°	50.6	52.6	64.3	83.8	103.2	116.9	140.3	192.9	253.2	266.9	301.9
90°	35.1	37.0	44.8	60.4	77.9	91.6	105.2	132.5	159.7	173.4	198.7
92.5°	25.3	27.3	35.1	44.8	60.4	74.0	83.8	95.5	113.0	122.7	136.4
95°	19.5	21.4	27.3	37.0	48.7	60.4	68.2	74.0	85.7	91.6	101.3
97.5°	17.5	17.5	23.4	31.2	40.9	50.6	56.5	60.4	68.2	72.1	79.9
100°	15.6	15.6	19.5	27.3	35.1	42.9	46.8	48.7	54.5	56.5	62.3
102.5°	13.6	13.6	17.5	23.4	31.2	37.0	40.9	40.9	44.8	44.8	48.7
105°	11.7	11.7	15.6	21.4	27.3	33.1	35.1	35.1	35.1	37.0	37.0
107.5°	11.7	11.7	13.6	19.5	23.4	29.2	31.2	29.2	29.2	29.2	29.2
110°	9.7	9.7	13.6	17.5	21.4	25.3	25.3	25.3	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°	9.7	9.7	11.7	15.6	19.5	21.4	23.4	21.4	19.5	19.5	19.5
115°	9.7	9.7	11.7	13.6	17.5	19.5	19.5	17.5	15.6	15.6	15.6
117.5°	7.8	9.7	9.7	13.6	15.6	17.5	17.5	15.6	13.6	13.6	13.6
120°	7.8	7.8	9.7	11.7	13.6	15.6	15.6	13.6	11.7	11.7	13.6
122.5°	7.8	7.8	9.7	11.7	13.6	13.6	13.6	11.7	11.7	11.7	11.7
125°	7.8	7.8	7.8	9.7	11.7	13.6	11.7	11.7	9.7	9.7	11.7
127.5°	7.8	7.8	7.8	9.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7
130°	7.8	7.8	7.8	7.8	9.7	9.7	9.7	9.7	7.8	7.8	9.7
132.5°	7.8	7.8	7.8	7.8	9.7	9.7	9.7	7.8	7.8	7.8	7.8
135°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.8	7.8	7.8
137.5°	7.8	7.8	5.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	7.8
140°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
142.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	3.9	3.9	5.8	5.8
145°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9
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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	113.0	111.0	109.1	107.1	107.1	105.2	105.2	103.2	103.2	103.2	103.2
5°	120.8	118.8	114.9	111.0	107.1	105.2	101.3	99.3	99.3	97.4	97.4
7.5°	138.3	132.5	126.6	120.8	114.9	109.1	105.2	101.3	99.3	99.3	99.3
10°	159.7	155.8	144.2	136.4	128.6	120.8	114.9	109.1	105.2	105.2	103.2
12.5°	192.9	187.0	171.4	161.7	148.0	136.4	128.6	120.8	116.9	114.9	114.9
15°	231.8	224.0	210.4	190.9	173.4	157.8	146.1	140.3	136.4	134.4	134.4
17.5°	284.4	272.7	251.3	227.9	204.5	183.1	171.4	161.7	155.8	157.8	157.8
20°	346.7	333.1	303.9	272.7	239.6	216.2	196.7	187.0	183.1	183.1	183.1
22.5°	414.9	399.3	368.2	325.3	282.5	249.3	224.0	212.3	212.3	212.3	212.3
25°	504.5	477.3	438.3	381.8	325.3	278.6	251.3	241.6	241.6	243.5	245.4
27.5°	590.2	572.7	514.3	442.2	370.1	309.7	274.7	264.9	270.8	274.7	276.6
30°	699.3	668.2	598.0	504.5	411.0	335.1	296.1	288.3	298.0	303.9	305.8
32.5°	820.1	777.2	687.6	572.7	448.0	354.5	311.7	307.8	317.5	327.3	327.3
35°	942.8	892.2	779.2	638.9	477.3	366.2	321.4	321.4	333.1	342.8	342.8
37.5°	1077.2	1009.1	878.5	695.4	500.6	372.1	327.3	329.2	342.8	348.7	350.6
40°	1219.4	1141.5	972.0	748.0	512.3	370.1	329.2	335.1	344.8	350.6	350.6
42.5°	1367.5	1279.8	1073.3	787.0	514.3	366.2	327.3	335.1	344.8	346.7	346.7
45°	1535.0	1431.8	1170.7	816.2	506.5	358.4	325.3	335.1	340.9	338.9	338.9
47.5°	1720.1	1593.5	1264.2	839.6	490.9	348.7	323.4	335.1	337.0	333.1	331.2
50°	1928.5	1772.7	1373.3	849.3	473.4	338.9	321.4	333.1	333.1	325.3	325.3
52.5°	2144.7	1979.2	1484.4	851.3	451.9	329.2	321.4	333.1	331.2	319.5	319.5
55°	2343.4	2181.7	1603.2	849.3	428.6	317.5	317.5	333.1	329.2	317.5	317.5
57.5°	2598.6	2398.0	1702.5	833.7	403.2	309.7	315.6	333.1	327.3	315.6	315.6
60°	2789.5	2596.7	1780.5	812.3	379.9	298.0	311.7	331.2	325.3	315.6	315.6
62.5°	2962.9	2760.3	1819.4	775.3	352.6	288.3	305.8	327.3	325.3	317.5	315.6
65°	3050.5	2830.4	1803.8	718.8	327.3	276.6	300.0	323.4	321.4	315.6	315.6
67.5°	3029.1	2803.2	1716.2	646.7	301.9	264.9	290.3	311.7	313.6	311.7	311.7
70°	2871.3	2622.0	1550.6	557.1	278.6	249.3	278.6	300.0	301.9	301.9	303.9
72.5°	2563.6	2316.2	1336.3	473.4	253.2	233.8	261.0	282.5	286.4	288.3	286.4
75°	2154.5	1903.2	1069.4	391.5	229.9	216.2	241.6	261.0	266.9	266.9	266.9
77.5°	1657.7	1455.1	806.5	313.6	206.5	196.7	220.1	237.7	241.6	243.5	241.6
80°	1176.6	1026.6	568.8	253.2	183.1	177.3	194.8	208.4	212.3	216.2	214.3
82.5°	767.5	685.7	399.3	200.6	157.8	153.9	169.5	179.2	183.1	183.1	181.2
85°	465.6	426.6	263.0	159.7	134.4	130.5	142.2	148.0	150.0	150.0	150.0
87.5°	290.3	263.0	185.1	128.6	113.0	111.0	116.9	118.8	124.7	122.7	120.8
90°	187.0	175.3	136.4	101.3	91.6	91.6	95.5	95.5	99.3	99.3	95.5
92.5°	134.4	128.6	105.2	83.8	76.0	77.9	79.9	77.9	79.9	79.9	79.9
95°	103.2	99.3	87.7	72.1	64.3	66.2	64.3	64.3	66.2	66.2	64.3
97.5°	81.8	81.8	72.1	60.4	56.5	54.5	56.5	54.5	56.5	54.5	52.6
100°	64.3	64.3	60.4	52.6	48.7	46.8	48.7	46.8	48.7	46.8	44.8
102.5°	50.6	52.6	50.6	44.8	42.9	40.9	40.9	40.9	40.9	39.0	39.0
105°	39.0	40.9	42.9	39.0	37.0	35.1	35.1	35.1	35.1	33.1	31.2
107.5°	31.2	33.1	35.1	33.1	33.1	31.2	31.2	31.2	29.2	27.3	27.3
110°	25.3	27.3	29.2	29.2	27.3	27.3	27.3	27.3	25.3	23.4	23.4

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.4	21.4	23.4	25.3	25.3	25.3	25.3	23.4	21.4	21.4	21.4
115°	17.5	19.5	21.4	21.4	21.4	21.4	21.4	19.5	19.5	17.5	17.5
117.5°	15.6	15.6	17.5	19.5	19.5	19.5	19.5	17.5	15.6	15.6	17.5
120°	13.6	13.6	15.6	17.5	17.5	17.5	17.5	15.6	13.6	15.6	15.6
122.5°	13.6	13.6	13.6	15.6	15.6	15.6	15.6	13.6	13.6	13.6	13.6
125°	11.7	11.7	13.6	13.6	13.6	13.6	13.6	11.7	11.7	13.6	13.6
127.5°	11.7	11.7	11.7	11.7	13.6	13.6	11.7	11.7	11.7	11.7	11.7
130°	9.7	9.7	11.7	11.7	11.7	11.7	11.7	9.7	9.7	11.7	11.7
132.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7
135°	7.8	7.8	9.7	9.7	9.7	9.7	9.7	7.8	9.7	9.7	9.7
137.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.7	9.7
140°	5.8	5.8	5.8	7.8	7.8	7.8	7.8	5.8	7.8	7.8	7.8
142.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.8	7.8
145°	3.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8
150°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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)