

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: P695229

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695229  
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-PA16-40-827-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA 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: 3516 lumens  
Efficiency: N/A  
Efficacy: 87.5 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: B1 - U2 - G1

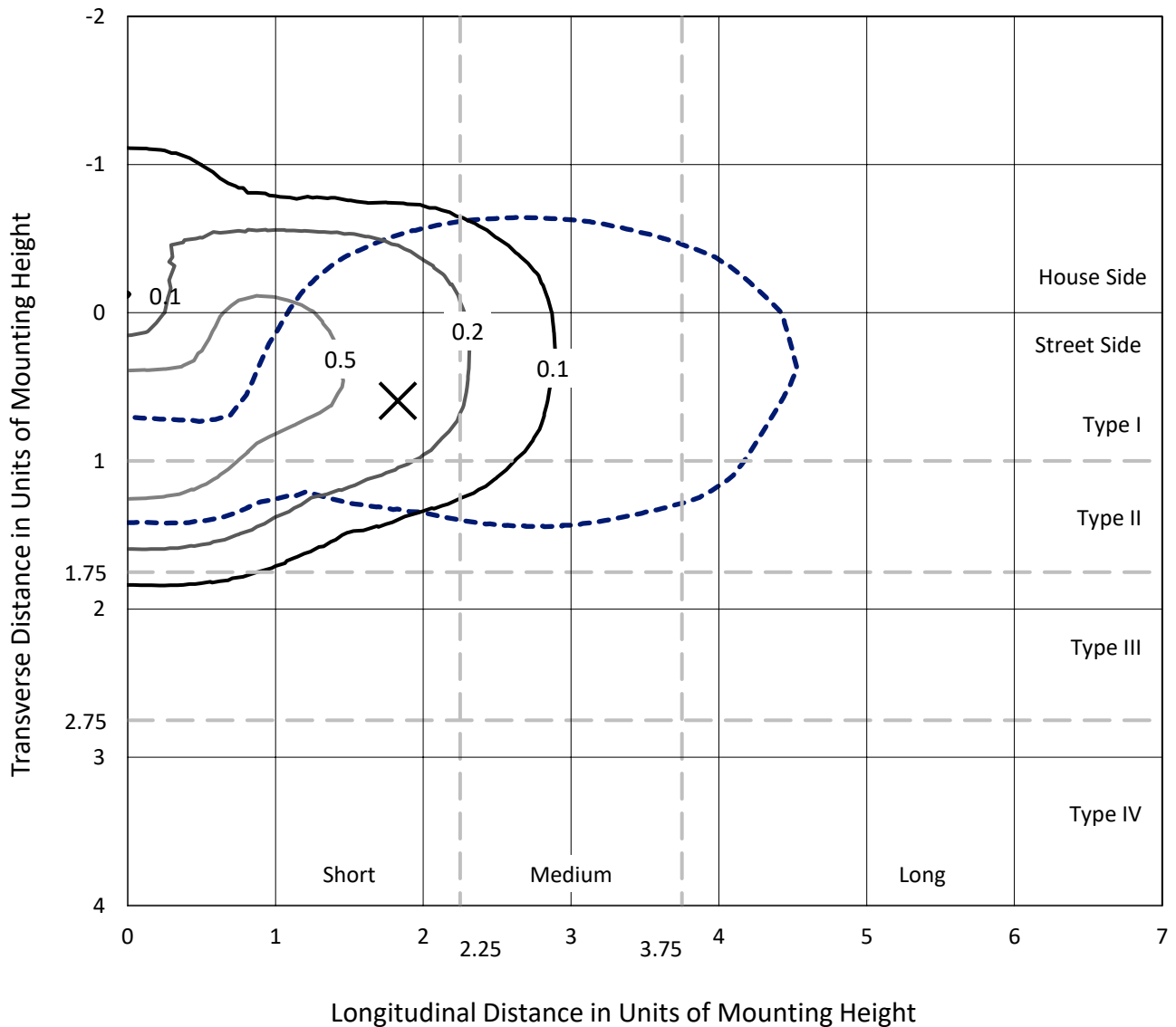
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

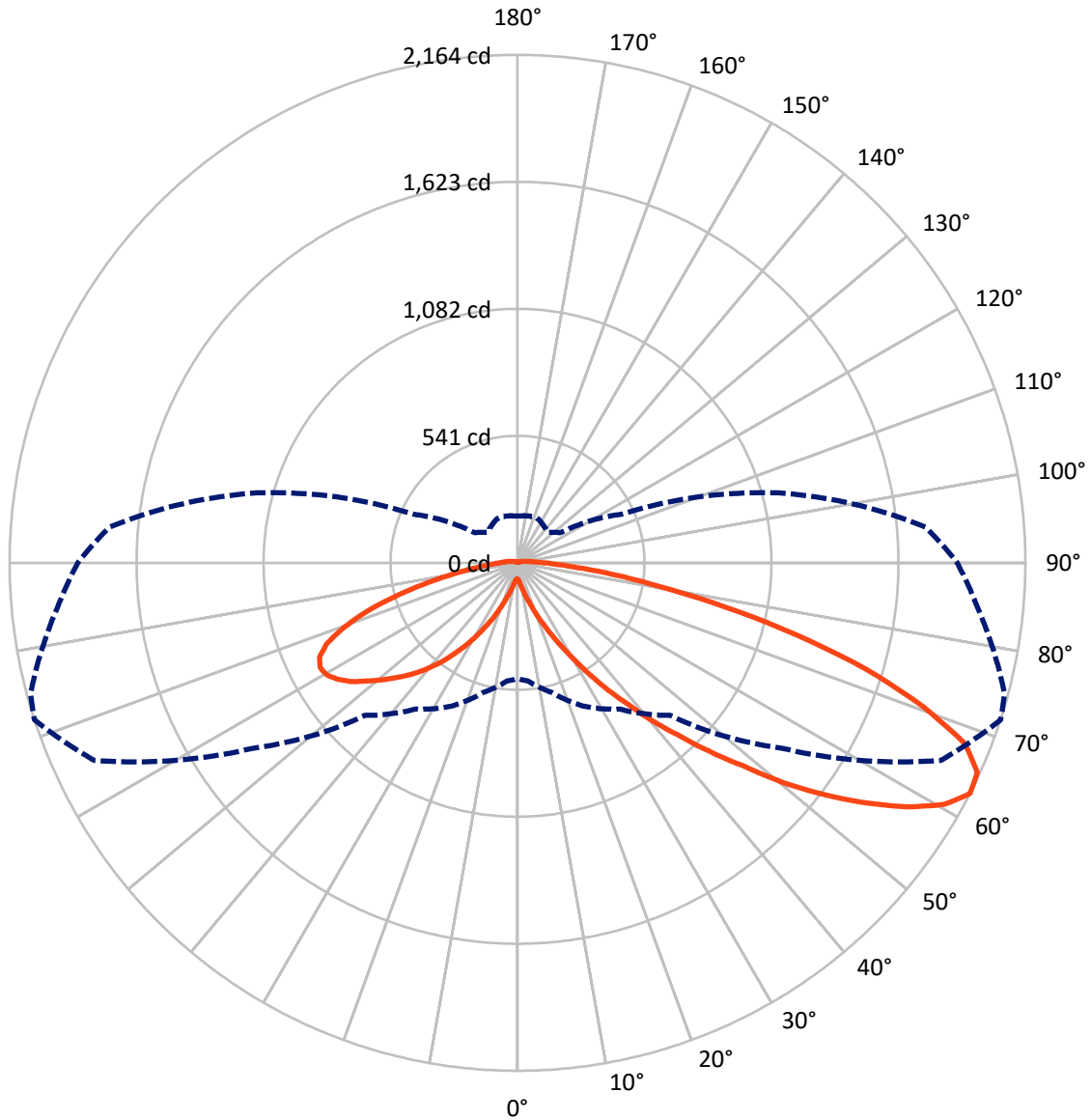
✕ Max cd  
 - - - 1/2 Max cd



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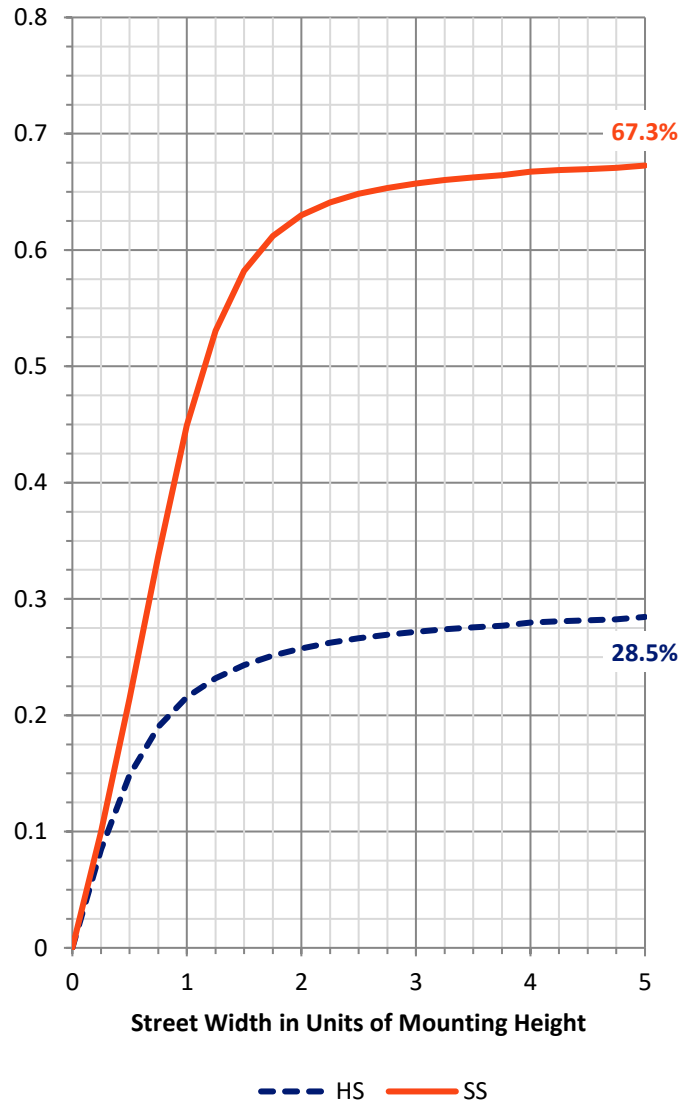
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1030.9	52.5	1083.4
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	2390.2	42.5	2432.7
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	3421.0	95.0	3516.0
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.1	0.2
10°-20°	44.4	1.3
20°-30°	146.6	4.2
30°-40°	350.1	10.0
40°-50°	622.4	17.7
50°-60°	823.0	23.4
60°-70°	790.7	22.5
70°-80°	480.0	13.7
80°-90°	155.7	4.4
90°-100°	47.9	1.4
100°-110°	22.4	0.6
110°-120°	11.6	0.3
120°-130°	6.8	0.2
130°-140°	4.1	0.1
140°-150°	2.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3421.0	97.3
0°-180°	3516.0	100.0

**Coefficient of Utilization**

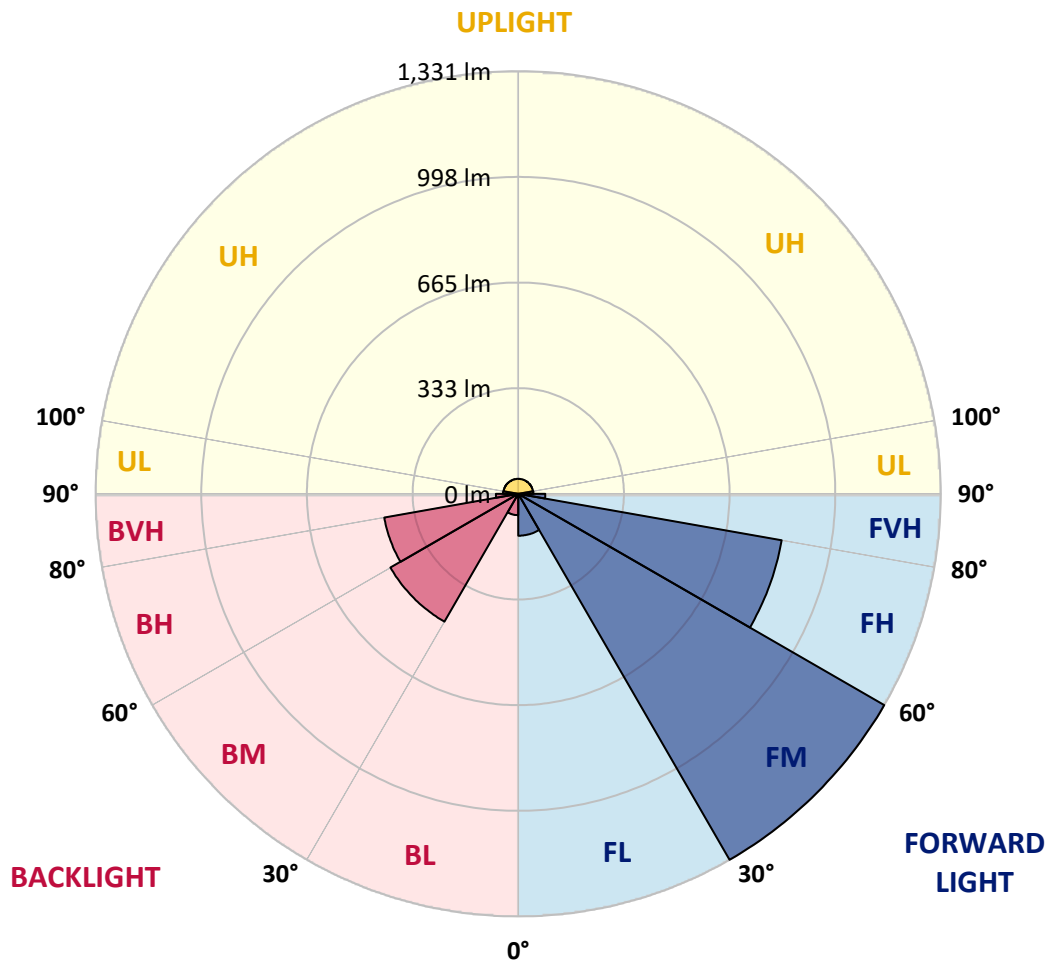


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.9	3.8			
FM (30°-60°)	1330.8	37.8			
FH (60°-80°)	842.3	24.0			G1/1800
FVH (80°-90°)	85.2	2.4			G1/100
BL (0°-30°)	67.3	1.9	B0/110		
BM (30°-60°)	464.8	13.2	B1/1000		
BH (60°-80°)	428.4	12.2	B1/500		G1/500
BVH (80°-90°)	70.5	2.0			G1/100
UL (90°-100°)	47.9	1.4		U2/50	
UH (100°-180°)	47.1	1.3		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	77.6	78.8	77.6	78.8	77.6	76.4	76.4	73.9	73.9	72.7	71.4
5°	92.4	93.6	93.6	92.4	89.9	88.7	85.0	83.8	81.3	80.1	77.6
7.5°	113.3	112.1	113.3	109.6	108.4	105.9	101.0	97.3	93.6	92.4	88.7
10°	140.4	139.2	138.0	135.5	131.8	126.9	122.0	114.6	112.1	110.9	104.7
12.5°	172.5	174.9	171.2	167.5	161.4	155.2	146.6	138.0	134.3	133.0	123.2
15°	219.3	219.3	214.3	208.2	195.9	186.0	177.4	168.8	162.6	160.1	151.5
17.5°	278.4	274.7	268.5	253.8	242.7	226.7	216.8	203.3	197.1	195.9	184.8
20°	343.7	346.2	332.6	314.1	293.2	273.5	258.7	245.1	239.0	237.7	224.2
22.5°	429.9	429.9	411.4	386.8	352.3	325.2	308.0	294.4	285.8	280.9	272.2
25°	529.7	529.7	508.8	460.7	423.8	386.8	362.2	347.4	343.7	338.8	326.4
27.5°	649.2	652.9	613.5	565.4	497.7	453.3	423.8	415.1	407.7	410.2	385.6
30°	787.2	781.0	739.1	665.2	587.6	529.7	500.1	487.8	482.9	484.1	461.9
32.5°	919.0	909.1	870.9	785.9	682.4	617.2	583.9	574.0	570.3	565.4	538.3
35°	1071.7	1063.1	1008.9	905.4	790.9	705.9	666.4	666.4	666.4	660.3	620.9
37.5°	1219.5	1203.5	1144.4	1031.1	898.0	801.9	768.7	773.6	766.2	757.6	713.2
40°	1337.8	1326.7	1270.0	1154.3	1007.7	906.6	874.6	882.0	885.7	873.4	811.8
42.5°	1421.6	1416.6	1371.1	1262.7	1106.2	1010.1	997.8	1006.4	1004.0	990.4	922.7
45°	1462.2	1457.3	1427.7	1339.0	1202.3	1112.4	1113.6	1151.8	1145.6	1130.8	1033.5
47.5°	1440.0	1446.2	1435.1	1379.7	1262.7	1198.6	1233.1	1300.8	1292.2	1278.7	1159.2
50°	1373.5	1371.1	1388.3	1368.6	1286.1	1256.5	1350.1	1473.3	1475.8	1440.0	1303.3
52.5°	1234.3	1240.5	1289.8	1300.8	1266.3	1278.7	1448.7	1639.6	1644.5	1601.4	1441.3
55°	1069.3	1068.0	1132.1	1188.7	1191.2	1254.0	1505.3	1782.5	1807.1	1775.1	1589.1
57.5°	850.0	872.2	938.7	1028.6	1072.9	1178.9	1525.0	1910.6	1962.3	1918.0	1722.1
60°	657.8	675.1	755.1	852.4	923.9	1064.3	1475.8	1980.8	2090.5	2059.7	1865.0
62.5°	494.0	505.1	572.8	675.1	761.3	919.0	1377.2	1990.7	2164.4	2148.4	1959.9
65°	363.4	369.6	434.8	523.5	608.5	745.3	1199.8	1906.9	2153.3	2164.4	2025.2
67.5°	263.6	273.5	321.5	400.4	473.0	597.5	1006.4	1727.1	2056.0	2088.0	2001.8
70°	208.2	213.1	246.4	308.0	360.9	455.8	811.8	1479.5	1831.8	1904.5	1884.7
72.5°	167.5	170.0	195.9	242.7	277.2	346.2	613.5	1196.1	1558.3	1642.1	1687.6
75°	138.0	140.4	161.4	193.4	220.5	258.7	449.6	905.4	1224.5	1315.6	1414.2
77.5°	109.6	114.6	130.6	155.2	174.9	197.1	315.4	654.1	905.4	976.9	1091.4
80°	87.5	89.9	104.7	124.4	139.2	155.2	231.6	433.6	612.2	700.9	787.2
82.5°	66.5	69.0	80.1	96.1	108.4	119.5	165.1	285.8	411.4	455.8	503.8
85°	48.0	48.0	59.1	72.7	83.8	94.9	120.7	186.0	251.3	277.2	310.4
87.5°	32.0	33.3	40.7	53.0	65.3	73.9	88.7	122.0	160.1	168.8	190.9
90°	22.2	23.4	28.3	38.2	49.3	57.9	66.5	83.8	101.0	109.6	125.6
92.5°	16.0	17.2	22.2	28.3	38.2	46.8	53.0	60.4	71.4	77.6	86.2
95°	12.3	13.6	17.2	23.4	30.8	38.2	43.1	46.8	54.2	57.9	64.1
97.5°	11.1	11.1	14.8	19.7	25.9	32.0	35.7	38.2	43.1	45.6	50.5
100°	9.9	9.9	12.3	17.2	22.2	27.1	29.6	30.8	34.5	35.7	39.4
102.5°	8.6	8.6	11.1	14.8	19.7	23.4	25.9	25.9	28.3	28.3	30.8
105°	7.4	7.4	9.9	13.6	17.2	20.9	22.2	22.2	22.2	23.4	23.4
107.5°	7.4	7.4	8.6	12.3	14.8	18.5	19.7	18.5	18.5	18.5	18.5
110°	6.2	6.2	8.6	11.1	13.6	16.0	16.0	16.0	14.8	14.8	14.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.2	6.2	7.4	9.9	12.3	13.6	14.8	13.6	12.3	12.3	12.3
115°	6.2	6.2	7.4	8.6	11.1	12.3	12.3	11.1	9.9	9.9	9.9
117.5°	4.9	6.2	6.2	8.6	9.9	11.1	11.1	9.9	8.6	8.6	8.6
120°	4.9	4.9	6.2	7.4	8.6	9.9	9.9	8.6	7.4	7.4	8.6
122.5°	4.9	4.9	6.2	7.4	8.6	8.6	8.6	7.4	7.4	7.4	7.4
125°	4.9	4.9	4.9	6.2	7.4	8.6	7.4	7.4	6.2	6.2	7.4
127.5°	4.9	4.9	4.9	6.2	7.4	7.4	7.4	6.2	6.2	6.2	6.2
130°	4.9	4.9	4.9	4.9	6.2	6.2	6.2	6.2	4.9	4.9	6.2
132.5°	4.9	4.9	4.9	4.9	6.2	6.2	6.2	4.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.7	4.9	4.9
137.5°	4.9	4.9	3.7	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	3.7	3.7
145°	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5
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°	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
2.5°	71.4	70.2	69.0	67.8	67.8	66.5	66.5	65.3	65.3	65.3	65.3
5°	76.4	75.1	72.7	70.2	67.8	66.5	64.1	62.8	62.8	61.6	61.6
7.5°	87.5	83.8	80.1	76.4	72.7	69.0	66.5	64.1	62.8	62.8	62.8
10°	101.0	98.5	91.2	86.2	81.3	76.4	72.7	69.0	66.5	66.5	65.3
12.5°	122.0	118.3	108.4	102.2	93.6	86.2	81.3	76.4	73.9	72.7	72.7
15°	146.6	141.7	133.0	120.7	109.6	99.8	92.4	88.7	86.2	85.0	85.0
17.5°	179.9	172.5	158.9	144.1	129.3	115.8	108.4	102.2	98.5	99.8	99.8
20°	219.3	210.6	192.2	172.5	151.5	136.7	124.4	118.3	115.8	115.8	115.8
22.5°	262.4	252.5	232.8	205.7	178.6	157.7	141.7	134.3	134.3	134.3	134.3
25°	319.1	301.8	277.2	241.4	205.7	176.2	158.9	152.8	152.8	154.0	155.2
27.5°	373.3	362.2	325.2	279.6	234.1	195.9	173.7	167.5	171.2	173.7	174.9
30°	442.2	422.5	378.2	319.1	259.9	211.9	187.2	182.3	188.5	192.2	193.4
32.5°	518.6	491.5	434.8	362.2	283.3	224.2	197.1	194.6	200.8	207.0	207.0
35°	596.2	564.2	492.7	404.0	301.8	231.6	203.3	203.3	210.6	216.8	216.8
37.5°	681.2	638.1	555.6	439.8	316.6	235.3	207.0	208.2	216.8	220.5	221.7
40°	771.1	721.9	614.7	473.0	324.0	234.1	208.2	211.9	218.0	221.7	221.7
42.5°	864.8	809.3	678.8	497.7	325.2	231.6	207.0	211.9	218.0	219.3	219.3
45°	970.7	905.4	740.3	516.1	320.3	226.7	205.7	211.9	215.6	214.3	214.3
47.5°	1087.7	1007.7	799.5	530.9	310.4	220.5	204.5	211.9	213.1	210.6	209.4
50°	1219.5	1121.0	868.5	537.1	299.3	214.3	203.3	210.6	210.6	205.7	205.7
52.5°	1356.3	1251.6	938.7	538.3	285.8	208.2	203.3	210.6	209.4	202.0	202.0
55°	1481.9	1379.7	1013.8	537.1	271.0	200.8	200.8	210.6	208.2	200.8	200.8
57.5°	1643.3	1516.4	1076.6	527.2	255.0	195.9	199.6	210.6	207.0	199.6	199.6
60°	1764.0	1642.1	1125.9	513.7	240.2	188.5	197.1	209.4	205.7	199.6	199.6
62.5°	1873.7	1745.5	1150.6	490.3	223.0	182.3	193.4	207.0	205.7	200.8	199.6
65°	1929.1	1789.9	1140.7	454.6	207.0	174.9	189.7	204.5	203.3	199.6	199.6
67.5°	1915.5	1772.6	1085.3	409.0	190.9	167.5	183.5	197.1	198.3	197.1	197.1
70°	1815.8	1658.1	980.6	352.3	176.2	157.7	176.2	189.7	190.9	190.9	192.2
72.5°	1621.1	1464.7	845.1	299.3	160.1	147.8	165.1	178.6	181.1	182.3	181.1
75°	1362.4	1203.5	676.3	247.6	145.4	136.7	152.8	165.1	168.8	168.8	168.8
77.5°	1048.3	920.2	510.0	198.3	130.6	124.4	139.2	150.3	152.8	154.0	152.8
80°	744.0	649.2	359.7	160.1	115.8	112.1	123.2	131.8	134.3	136.7	135.5
82.5°	485.4	433.6	252.5	126.9	99.8	97.3	107.2	113.3	115.8	115.8	114.6
85°	294.4	269.8	166.3	101.0	85.0	82.5	89.9	93.6	94.9	94.9	94.9
87.5°	183.5	166.3	117.0	81.3	71.4	70.2	73.9	75.1	78.8	77.6	76.4
90°	118.3	110.9	86.2	64.1	57.9	57.9	60.4	60.4	62.8	62.8	60.4
92.5°	85.0	81.3	66.5	53.0	48.0	49.3	50.5	49.3	50.5	50.5	50.5
95°	65.3	62.8	55.4	45.6	40.7	41.9	40.7	40.7	41.9	41.9	40.7
97.5°	51.7	51.7	45.6	38.2	35.7	34.5	35.7	34.5	35.7	34.5	33.3
100°	40.7	40.7	38.2	33.3	30.8	29.6	30.8	29.6	30.8	29.6	28.3
102.5°	32.0	33.3	32.0	28.3	27.1	25.9	25.9	25.9	25.9	24.6	24.6
105°	24.6	25.9	27.1	24.6	23.4	22.2	22.2	22.2	22.2	20.9	19.7
107.5°	19.7	20.9	22.2	20.9	20.9	19.7	19.7	19.7	18.5	17.2	17.2
110°	16.0	17.2	18.5	18.5	17.2	17.2	17.2	17.2	16.0	14.8	14.8

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.6	13.6	14.8	16.0	16.0	16.0	16.0	14.8	13.6	13.6	13.6
115°	11.1	12.3	13.6	13.6	13.6	13.6	13.6	12.3	12.3	11.1	11.1
117.5°	9.9	9.9	11.1	12.3	12.3	12.3	12.3	11.1	9.9	9.9	11.1
120°	8.6	8.6	9.9	11.1	11.1	11.1	11.1	9.9	8.6	9.9	9.9
122.5°	8.6	8.6	8.6	9.9	9.9	9.9	9.9	8.6	8.6	8.6	8.6
125°	7.4	7.4	8.6	8.6	8.6	8.6	8.6	7.4	7.4	8.6	8.6
127.5°	7.4	7.4	7.4	7.4	8.6	8.6	7.4	7.4	7.4	7.4	7.4
130°	6.2	6.2	7.4	7.4	7.4	7.4	7.4	6.2	6.2	7.4	7.4
132.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
135°	4.9	4.9	6.2	6.2	6.2	6.2	6.2	4.9	6.2	6.2	6.2
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.2	6.2
140°	3.7	3.7	3.7	4.9	4.9	4.9	4.9	3.7	4.9	4.9	4.9
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9
145°	2.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
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)