

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: P694806

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694806  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-730-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3361 lumens  
Efficiency: N/A  
Efficacy: 115.1 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

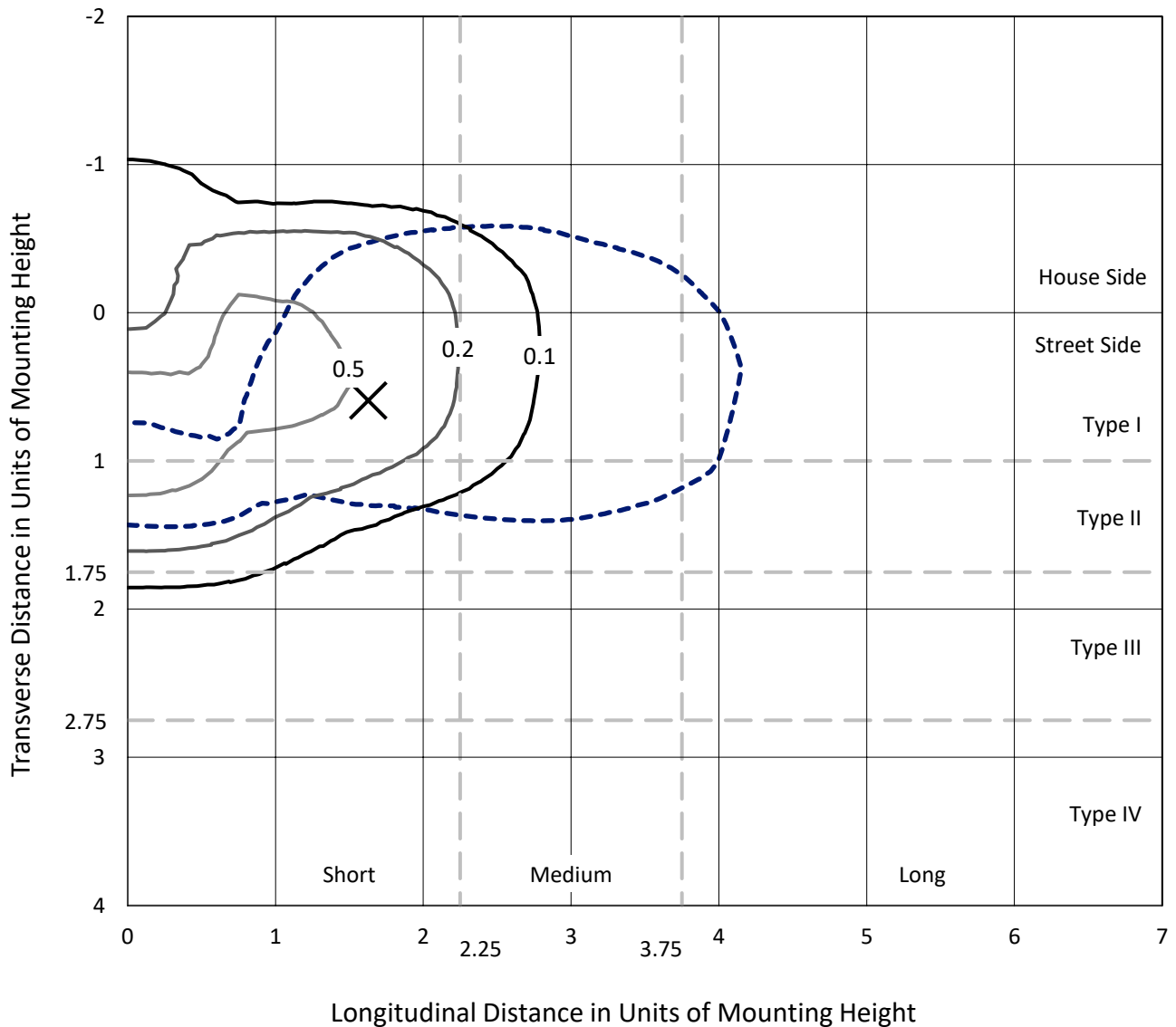
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

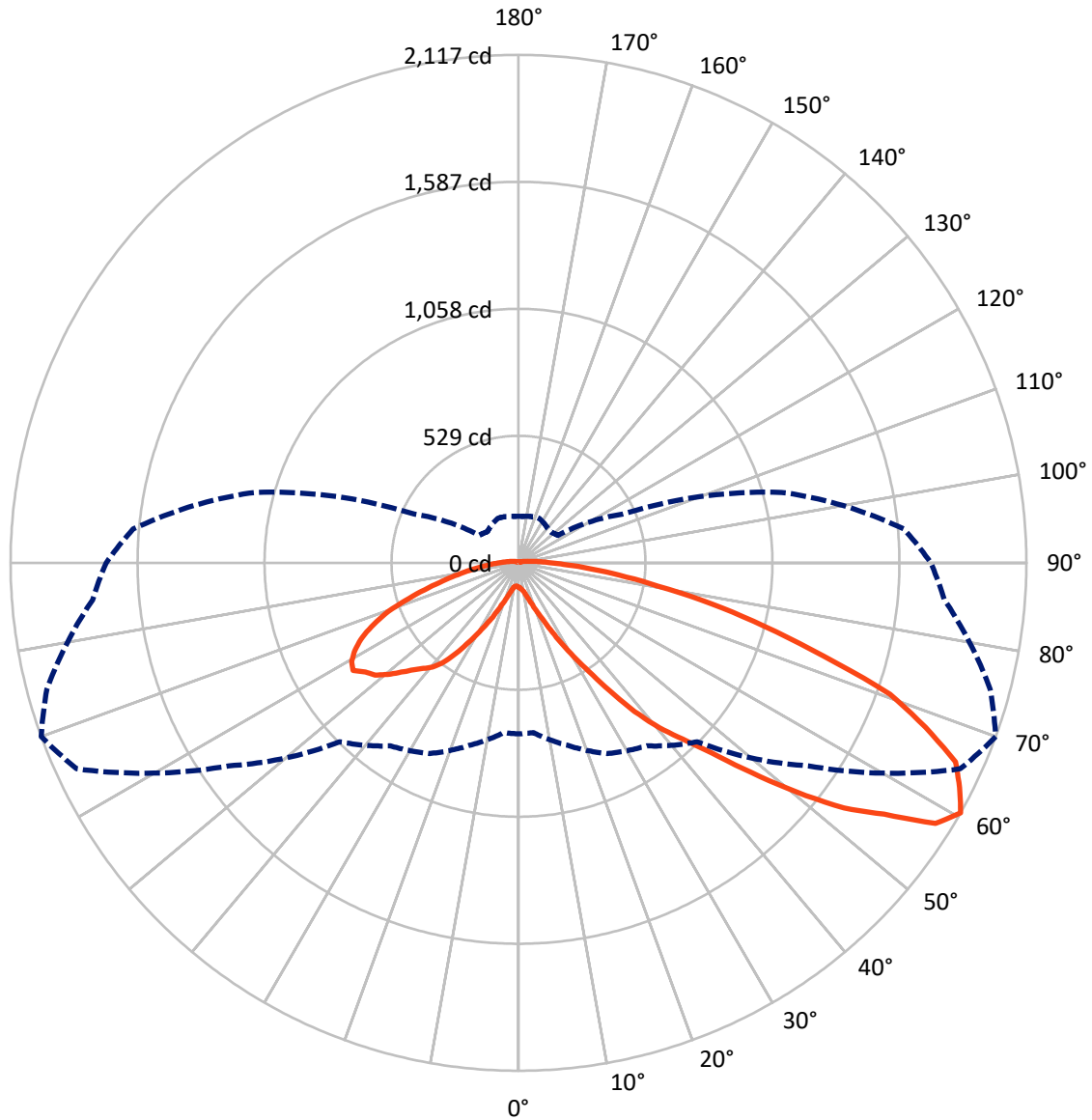
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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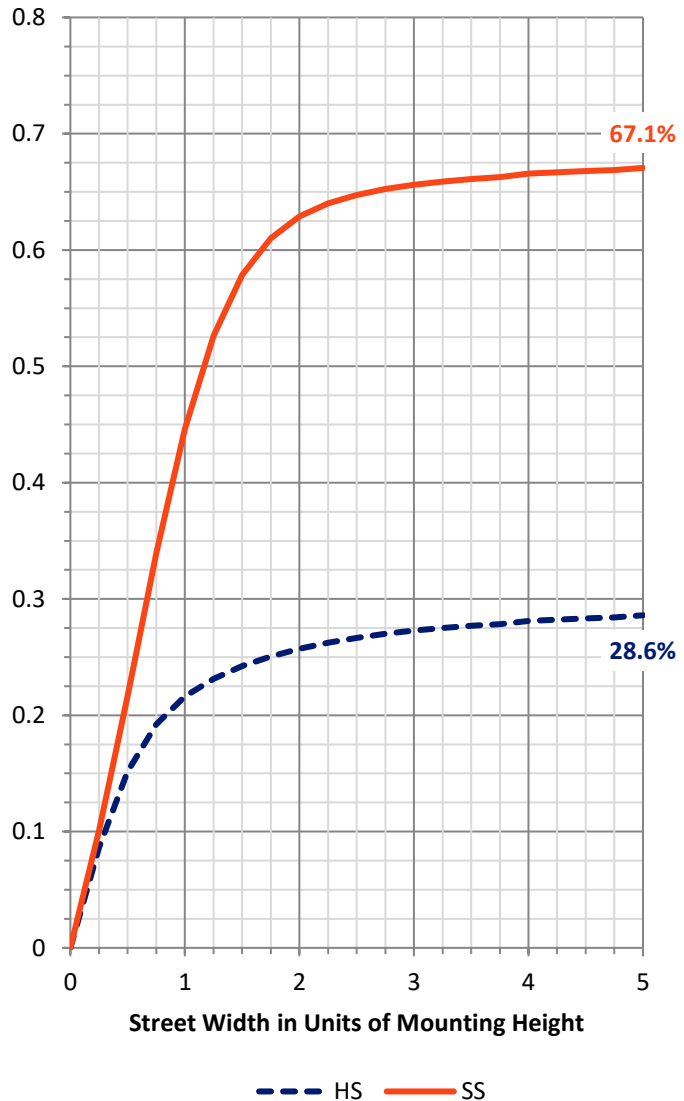
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	989.5	49.9	1039.5
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	2279.0	42.6	2321.5
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	3268.5	92.5	3361.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	42.9	1.3
20°-30°	135.8	4.0
30°-40°	334.2	9.9
40°-50°	578.4	17.2
50°-60°	814.1	24.2
60°-70°	757.0	22.5
70°-80°	431.7	12.8
80°-90°	164.2	4.9
90°-100°	49.0	1.5
100°-110°	19.9	0.6
110°-120°	10.6	0.3
120°-130°	6.7	0.2
130°-140°	4.3	0.1
140°-150°	1.9	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3268.5	97.2
0°-180°	3361.0	100.0

**Coefficient of Utilization**

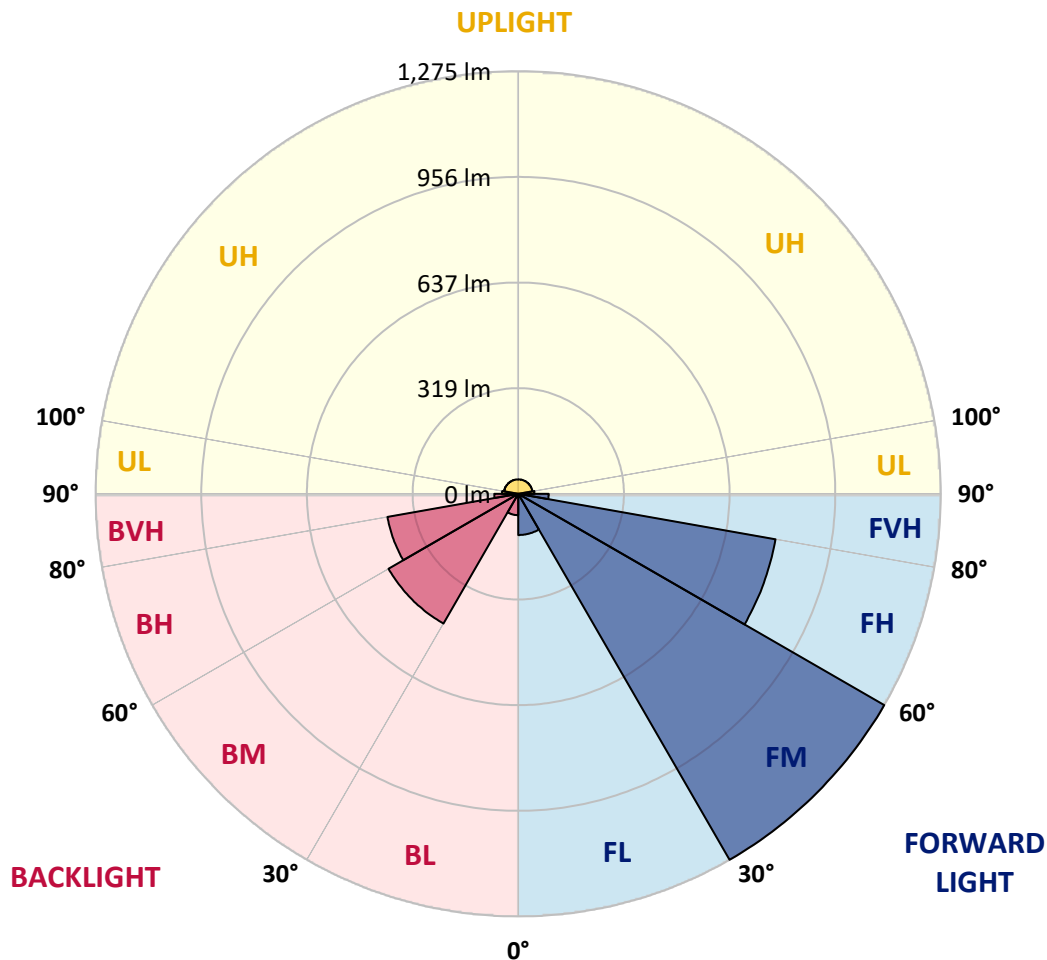


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.4	3.7			
FM (30°-60°)	1274.8	37.9			
FH (60°-80°)	788.0	23.4			G1/1800
FVH (80°-90°)	91.7	2.7			G1/100
BL (0°-30°)	64.5	1.9	B0/110		
BM (30°-60°)	451.9	13.4	B1/1000		
BH (60°-80°)	400.6	11.9	B1/500		G1/500
BVH (80°-90°)	72.5	2.2			G1/100
UL (90°-100°)	49.0	1.5		U2/50	
UH (100°-180°)	43.5	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°	70°	75°	85°
0°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	108.7	107.5	107.5	107.5	107.5	106.4	105.2	104.0	104.0	102.8	101.6
5°	118.2	118.2	118.2	117.0	115.8	114.6	112.3	109.9	108.7	106.4	104.0
7.5°	133.5	131.2	131.2	130.0	126.4	124.1	120.5	115.8	114.6	112.3	108.7
10°	152.4	151.3	150.1	146.5	140.6	135.9	132.4	126.4	122.9	120.5	115.8
12.5°	182.0	182.0	178.4	171.3	163.1	154.8	147.7	140.6	137.1	133.5	128.8
15°	218.6	217.4	216.3	204.4	191.4	179.6	167.8	159.5	156.0	153.6	145.4
17.5°	267.1	268.3	261.2	242.3	223.3	210.3	196.2	185.5	180.8	177.3	170.2
20°	329.7	328.5	317.9	290.7	269.4	248.2	232.8	216.3	212.7	209.2	200.9
22.5°	411.2	408.9	387.6	354.5	322.6	293.1	273.0	261.2	254.1	249.3	242.3
25°	495.1	504.6	475.1	434.9	388.8	343.9	322.6	315.5	308.4	304.9	295.4
27.5°	627.5	628.7	586.1	521.1	459.7	413.6	386.4	374.6	374.6	369.9	358.1
30°	768.1	766.9	714.9	632.2	548.3	484.5	456.1	449.1	451.4	445.5	429.0
32.5°	892.2	889.8	831.9	750.4	639.3	561.3	534.1	536.5	538.9	543.6	530.6
35°	1026.9	1025.7	957.2	856.7	736.2	648.8	629.9	652.3	653.5	660.6	631.0
37.5°	1075.4	1082.5	1039.9	950.1	822.5	738.6	739.8	764.6	785.8	788.2	746.8
40°	1112.0	1115.5	1076.5	1004.5	900.5	831.9	861.5	901.7	902.8	882.7	815.4
42.5°	1195.9	1199.4	1145.1	1054.1	957.2	926.5	969.0	1011.6	1003.3	985.6	901.7
45°	1250.3	1255.0	1219.5	1132.1	1013.9	996.2	1074.2	1130.9	1129.7	1117.9	1002.1
47.5°	1305.8	1312.9	1276.3	1193.5	1078.9	1061.2	1190.0	1307.0	1305.8	1272.7	1135.6
50°	1289.3	1295.2	1297.5	1243.2	1125.0	1128.5	1311.7	1491.3	1500.8	1458.2	1298.7
52.5°	1188.8	1198.3	1232.5	1239.6	1158.1	1174.6	1429.9	1686.3	1698.1	1627.2	1425.2
55°	1058.8	1070.6	1115.5	1165.2	1138.0	1186.4	1528.0	1841.1	1848.2	1790.3	1587.1
57.5°	885.1	909.9	967.8	1038.7	1055.3	1158.1	1529.1	1968.7	2049.1	2004.2	1763.1
60°	712.6	710.2	787.0	876.8	931.2	1054.1	1474.8	2031.4	2116.5	2034.9	1782.0
62.5°	511.7	520.0	602.7	706.7	774.0	892.2	1348.3	1908.5	2063.3	2060.9	1881.3
65°	365.2	373.4	433.7	533.0	610.9	739.8	1143.9	1787.9	2000.7	2019.6	1871.8
67.5°	260.0	263.5	309.6	387.6	456.1	564.9	937.1	1616.6	1829.3	1886.0	1817.5
70°	195.0	198.5	226.9	284.8	333.2	412.4	748.0	1370.8	1642.6	1725.3	1678.0
72.5°	150.1	154.8	173.7	217.4	245.8	294.2	559.0	1117.9	1328.3	1409.8	1389.7
75°	118.2	120.5	134.7	164.3	182.0	206.8	395.9	860.3	1057.6	1174.6	1174.6
77.5°	94.5	98.1	107.5	128.8	144.2	153.6	271.8	618.0	820.1	938.3	965.5
80°	75.6	78.0	86.3	101.6	112.3	118.2	183.2	429.0	588.5	729.1	808.3
82.5°	60.3	60.3	68.5	80.4	91.0	98.1	134.7	303.7	420.7	527.0	614.5
85°	48.5	49.6	54.4	62.6	73.3	82.7	104.0	208.0	287.2	353.3	425.4
87.5°	37.8	37.8	42.5	48.5	59.1	69.7	85.1	140.6	189.1	243.4	286.0
90°	27.2	28.4	30.7	35.5	46.1	56.7	67.4	98.1	125.3	152.4	180.8
92.5°	20.1	20.1	21.3	24.8	33.1	44.9	54.4	70.9	86.3	99.3	112.3
95°	15.4	15.4	16.5	17.7	23.6	34.3	41.4	52.0	60.3	69.7	75.6
97.5°	13.0	13.0	13.0	14.2	18.9	26.0	31.9	39.0	44.9	50.8	56.7
100°	11.8	11.8	11.8	11.8	15.4	22.5	24.8	30.7	34.3	39.0	42.5
102.5°	10.6	10.6	10.6	10.6	14.2	18.9	21.3	23.6	27.2	29.5	33.1
105°	9.5	9.5	9.5	9.5	11.8	15.4	17.7	20.1	21.3	22.5	24.8
107.5°	8.3	8.3	8.3	8.3	10.6	14.2	15.4	15.4	16.5	17.7	20.1
110°	7.1	7.1	7.1	8.3	9.5	11.8	13.0	13.0	13.0	14.2	16.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.1	7.1	7.1	7.1	8.3	10.6	10.6	10.6	11.8	11.8	14.2
115°	5.9	5.9	5.9	7.1	8.3	9.5	9.5	9.5	9.5	10.6	11.8
117.5°	5.9	5.9	5.9	5.9	8.3	9.5	9.5	8.3	8.3	9.5	10.6
120°	5.9	5.9	5.9	5.9	7.1	8.3	8.3	8.3	8.3	8.3	9.5
122.5°	5.9	5.9	5.9	5.9	7.1	7.1	7.1	7.1	7.1	7.1	8.3
125°	5.9	5.9	5.9	5.9	7.1	7.1	7.1	5.9	5.9	7.1	8.3
127.5°	7.1	7.1	5.9	5.9	5.9	7.1	5.9	5.9	5.9	5.9	7.1
130°	7.1	7.1	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1
132.5°	7.1	7.1	5.9	5.9	5.9	5.9	5.9	4.7	4.7	5.9	7.1
135°	5.9	7.1	5.9	5.9	5.9	4.7	4.7	4.7	4.7	4.7	5.9
137.5°	5.9	5.9	5.9	4.7	4.7	4.7	3.5	3.5	3.5	4.7	4.7
140°	5.9	5.9	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7
142.5°	4.7	4.7	4.7	3.5	3.5	3.5	2.4	2.4	2.4	2.4	3.5
145°	4.7	4.7	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	3.5	3.5	3.5	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2
150°	3.5	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6	101.6
2.5°	101.6	100.4	99.3	99.3	98.1	96.9	95.7	95.7	95.7	95.7	95.7
5°	102.8	101.6	99.3	96.9	94.5	92.2	91.0	88.6	88.6	88.6	87.4
7.5°	106.4	104.0	100.4	95.7	92.2	88.6	85.1	83.9	82.7	81.5	81.5
10°	112.3	109.9	104.0	98.1	92.2	87.4	82.7	79.2	76.8	76.8	76.8
12.5°	124.1	120.5	112.3	102.8	94.5	87.4	81.5	78.0	76.8	76.8	78.0
15°	143.0	138.3	126.4	114.6	101.6	91.0	86.3	86.3	87.4	88.6	88.6
17.5°	165.4	159.5	146.5	130.0	114.6	104.0	99.3	100.4	102.8	104.0	104.0
20°	197.3	186.7	173.7	151.3	131.2	121.7	115.8	114.6	120.5	122.9	122.9
22.5°	234.0	228.1	206.8	178.4	154.8	140.6	132.4	130.0	135.9	138.3	138.3
25°	288.3	276.5	251.7	213.9	183.2	159.5	147.7	145.4	153.6	158.4	158.4
27.5°	351.0	333.2	302.5	254.1	211.5	177.3	161.9	161.9	170.2	177.3	178.4
30°	416.0	395.9	359.2	299.0	239.9	191.4	172.5	173.7	182.0	192.6	190.3
32.5°	510.5	482.1	427.8	349.8	265.9	203.3	178.4	183.2	196.2	210.3	208.0
35°	602.7	573.1	508.1	406.5	288.3	209.2	182.0	192.6	206.8	217.4	217.4
37.5°	700.8	664.1	581.4	456.1	312.0	212.7	184.3	195.0	209.2	216.3	216.3
40°	765.8	729.1	634.6	491.6	321.4	211.5	183.2	193.8	203.3	205.6	203.3
42.5°	847.3	792.9	675.9	508.1	316.7	205.6	179.6	187.9	191.4	190.3	190.3
45°	944.2	883.9	735.0	514.0	302.5	196.2	174.9	180.8	185.5	186.7	186.7
47.5°	1074.2	1004.5	811.8	523.5	284.8	186.7	172.5	182.0	186.7	183.2	183.2
50°	1224.3	1142.7	900.5	531.8	267.1	179.6	173.7	185.5	186.7	183.2	182.0
52.5°	1343.6	1255.0	977.3	541.2	249.3	176.1	178.4	190.3	189.1	183.2	182.0
55°	1502.0	1411.0	1045.8	520.0	232.8	177.3	183.2	195.0	191.4	182.0	182.0
57.5°	1688.7	1578.8	1136.8	508.1	213.9	180.8	189.1	199.7	193.8	185.5	184.3
60°	1718.2	1611.9	1134.5	478.6	199.7	183.2	193.8	204.4	199.7	193.8	193.8
62.5°	1818.7	1704.0	1115.5	426.6	189.1	183.2	197.3	210.3	211.5	208.0	206.8
65°	1805.7	1680.4	1067.1	374.6	179.6	180.8	199.7	217.4	218.6	219.8	219.8
67.5°	1758.4	1627.2	983.2	328.5	169.0	177.3	199.7	216.3	222.2	226.9	226.9
70°	1614.2	1494.9	876.8	282.4	158.4	167.8	190.3	209.2	215.1	221.0	222.2
72.5°	1350.7	1239.6	719.7	239.9	144.2	153.6	173.7	191.4	198.5	203.3	202.1
75°	1126.2	1036.4	585.0	190.3	128.8	135.9	152.4	167.8	172.5	176.1	176.1
77.5°	930.0	849.7	460.9	156.0	112.3	118.2	131.2	143.0	147.7	148.9	146.5
80°	776.4	681.9	361.6	126.4	95.7	99.3	112.3	121.7	126.4	124.1	125.3
82.5°	600.3	522.3	274.2	106.4	83.9	85.1	94.5	102.8	106.4	104.0	102.8
85°	407.7	354.5	197.3	92.2	73.3	72.1	78.0	85.1	87.4	86.3	85.1
87.5°	269.4	234.0	143.0	79.2	63.8	62.6	66.2	72.1	74.4	73.3	70.9
90°	170.2	154.8	102.8	67.4	55.5	53.2	55.5	59.1	62.6	61.4	60.3
92.5°	108.7	98.1	75.6	55.5	47.3	44.9	44.9	47.3	49.6	47.3	44.9
95°	73.3	70.9	57.9	44.9	39.0	36.6	35.5	35.5	37.8	35.5	34.3
97.5°	56.7	54.4	47.3	35.5	30.7	29.5	28.4	28.4	30.7	28.4	27.2
100°	43.7	43.7	37.8	29.5	23.6	23.6	23.6	24.8	26.0	24.8	24.8
102.5°	34.3	34.3	31.9	24.8	20.1	20.1	20.1	21.3	23.6	22.5	22.5
105°	26.0	27.2	26.0	20.1	17.7	17.7	17.7	18.9	20.1	20.1	20.1
107.5°	21.3	22.5	21.3	17.7	15.4	15.4	15.4	16.5	17.7	18.9	18.9
110°	17.7	18.9	17.7	15.4	14.2	14.2	14.2	14.2	16.5	16.5	17.7

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	15.4	15.4	13.0	13.0	13.0	11.8	13.0	14.2	15.4	15.4
115°	13.0	13.0	13.0	11.8	11.8	11.8	10.6	10.6	13.0	14.2	14.2
117.5°	11.8	11.8	11.8	10.6	10.6	10.6	9.5	9.5	10.6	13.0	13.0
120°	10.6	10.6	10.6	9.5	9.5	9.5	8.3	8.3	9.5	11.8	11.8
122.5°	9.5	9.5	9.5	8.3	8.3	8.3	8.3	8.3	9.5	10.6	10.6
125°	8.3	8.3	8.3	8.3	8.3	7.1	7.1	7.1	8.3	9.5	9.5
127.5°	8.3	8.3	8.3	7.1	7.1	7.1	7.1	7.1	7.1	8.3	9.5
130°	7.1	7.1	7.1	7.1	5.9	5.9	5.9	5.9	7.1	8.3	8.3
132.5°	7.1	7.1	7.1	5.9	5.9	5.9	5.9	5.9	7.1	7.1	8.3
135°	5.9	7.1	5.9	5.9	5.9	4.7	4.7	4.7	5.9	7.1	7.1
137.5°	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9
140°	4.7	4.7	4.7	3.5	3.5	3.5	3.5	3.5	4.7	5.9	5.9
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	4.7	4.7
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	3.5	3.5
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

(END OF REPORT)