

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: P694538

Luminaire Tested: **LXF.LXT-PA16-20-730-U-T2U-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-20-730-U-T2U-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2542 lumens  
Efficiency: N/A  
Efficacy: 116.6 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 - U3 - G2

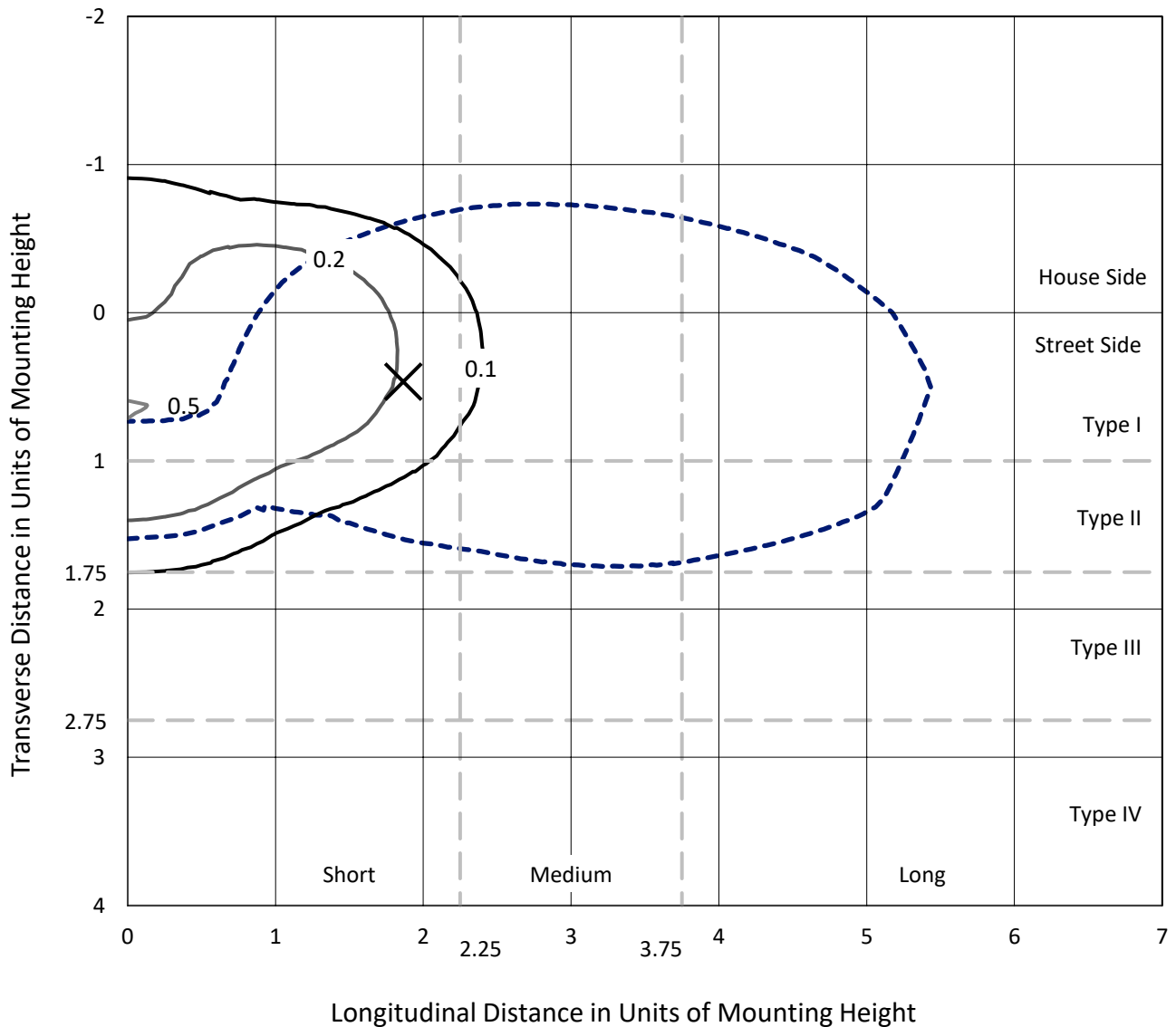
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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 CATALOG NUMBER: LXF.LXT-PA16-20-730-U-T2U-FL

### Iso-Footcandle Lines of Horizontal Illumination

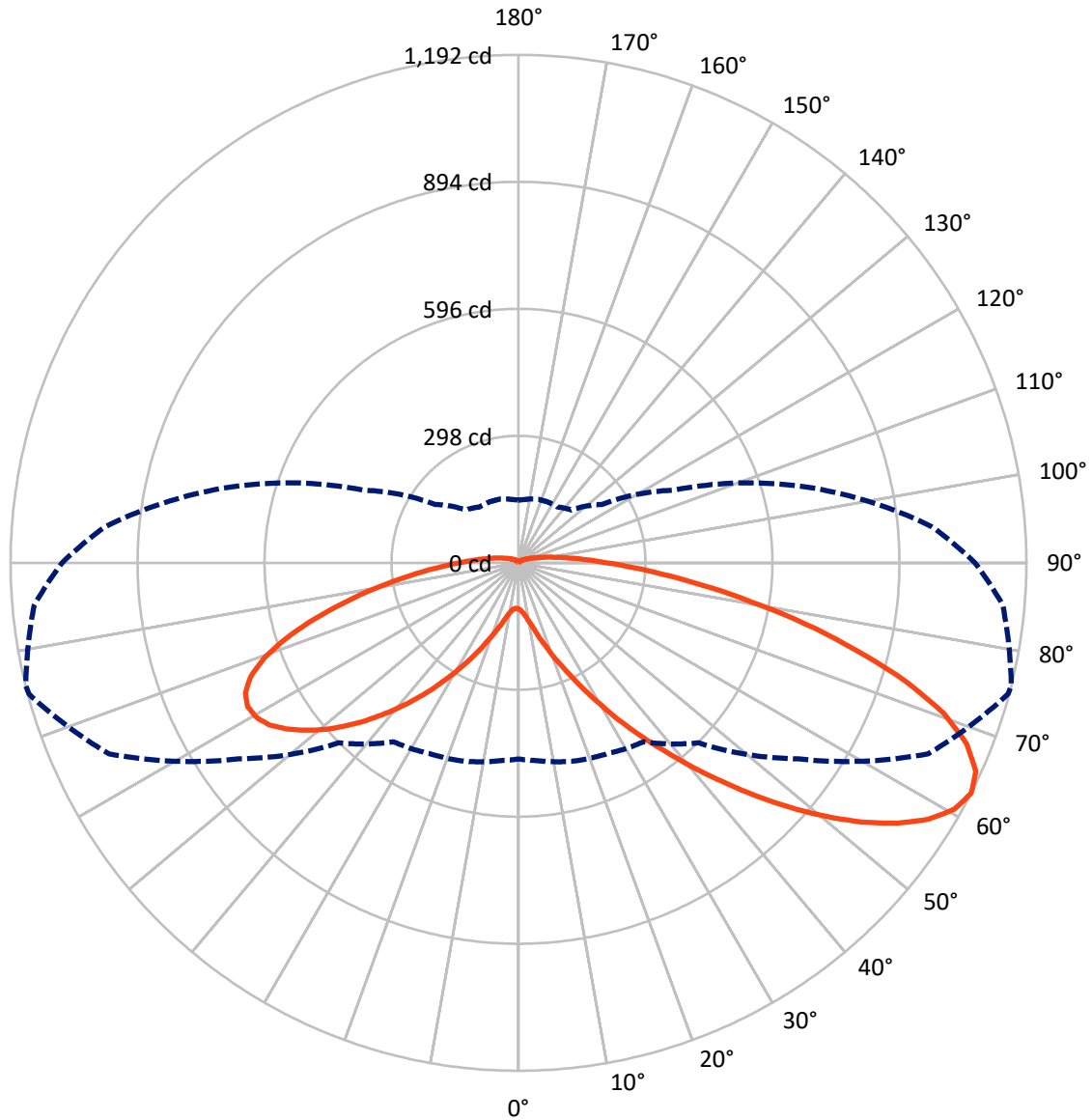
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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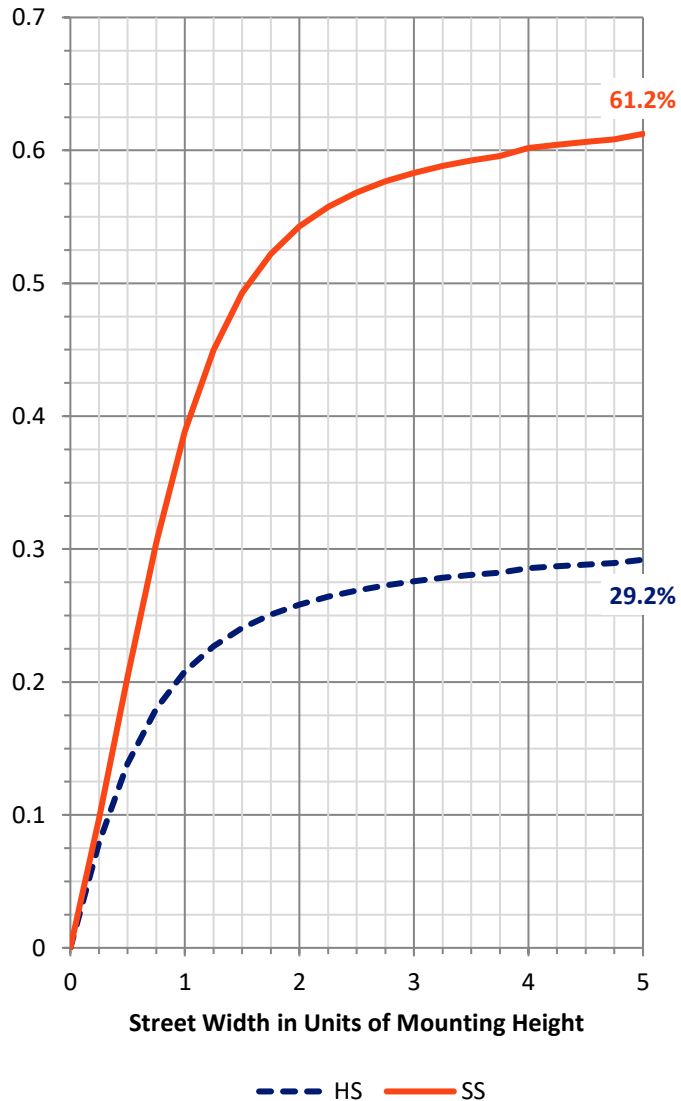
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	773.3	76.0	849.3
	% Fixture	30.4	3.0	33.4
<b>Street Side</b>	Lumens	1599.7	93.0	1692.7
	% Fixture	62.9	3.7	66.6
<b>Total</b>	Lumens	2373.0	168.9	2542.0
	% Fixture	93.4	6.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	0.4
10°-20°	46.7	1.8
20°-30°	119.4	4.7
30°-40°	238.7	9.4
40°-50°	385.7	15.2
50°-60°	504.5	19.8
60°-70°	511.8	20.1
70°-80°	368.0	14.5
80°-90°	186.9	7.4
90°-100°	84.5	3.3
100°-110°	41.5	1.6
110°-120°	22.2	0.9
120°-130°	12.2	0.5
130°-140°	6.1	0.2
140°-150°	2.3	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2373.0	93.4
0°-180°	2542.0	100.0

**Coefficient of Utilization**

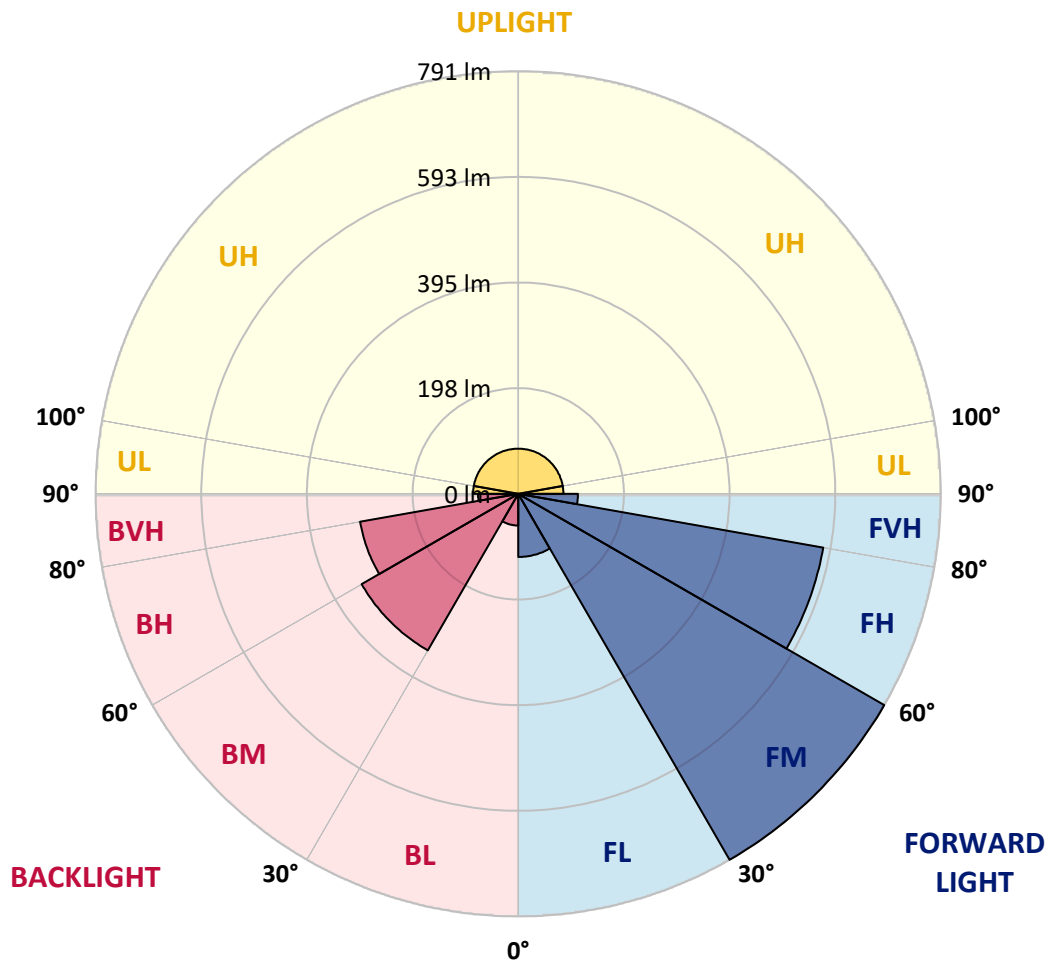


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.2	4.6			
FM (30°-60°)	790.6	31.1			
FH (60°-80°)	579.3	22.8			G0/660
FVH (80°-90°)	111.6	4.4			G2/225
BL (0°-30°)	59.4	2.3	B0/110		
BM (30°-60°)	338.3	13.3	B1/1000		
BH (60°-80°)	300.4	11.8	B1/500		G1/500
BVH (80°-90°)	75.3	3.0			G1/100
UL (90°-100°)	84.5	3.3		U3/500	
UH (100°-180°)	84.4	3.3		U3/500	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7
2.5°	121.4	120.5	120.5	119.6	118.7	117.8	116.0	114.1	112.3	112.3	110.5
5°	137.9	137.0	137.0	135.1	133.3	129.7	126.9	123.3	119.6	118.7	115.1
7.5°	156.1	157.1	156.1	153.4	150.7	146.1	140.6	135.1	128.8	127.8	122.4
10°	179.0	179.9	177.1	173.5	170.8	166.2	158.0	150.7	142.4	141.5	134.2
12.5°	206.4	204.5	204.5	200.0	194.5	186.3	177.1	168.9	158.9	157.1	148.8
15°	233.8	237.4	234.7	228.3	220.1	211.8	202.7	192.7	182.6	180.8	168.9
17.5°	265.7	270.3	266.6	259.3	251.1	240.2	231.9	219.1	207.3	204.5	190.8
20°	305.9	305.9	301.3	292.2	283.1	274.8	263.0	249.3	235.6	234.7	216.4
22.5°	346.1	344.2	339.7	329.6	318.7	309.5	295.9	283.1	269.4	264.8	249.3
25°	390.8	389.0	380.8	367.1	357.9	345.2	334.2	321.4	306.8	302.2	284.9
27.5°	436.5	434.6	424.6	411.8	397.2	384.4	373.5	363.4	345.2	345.2	325.1
30°	484.0	481.2	469.3	455.6	437.4	424.6	418.2	408.2	395.4	392.6	368.0
32.5°	528.7	529.6	517.7	498.6	479.4	466.6	463.9	461.1	447.4	446.5	420.0
35°	575.3	573.4	560.7	541.5	521.4	509.5	510.4	515.9	504.0	502.2	470.3
37.5°	617.3	617.3	603.6	579.8	557.9	548.8	561.6	576.2	568.0	562.5	529.6
40°	655.6	652.9	641.0	616.4	591.7	590.8	613.6	635.5	632.8	631.0	590.8
42.5°	683.9	680.3	669.3	643.8	621.8	626.4	663.8	705.8	704.9	701.3	658.4
45°	699.5	697.6	687.6	663.8	642.8	660.2	715.0	771.6	781.6	778.9	726.8
47.5°	702.2	701.3	693.1	672.1	656.5	684.8	765.2	841.0	856.5	857.4	798.1
50°	691.2	691.2	685.8	669.3	660.2	702.2	804.5	912.2	934.1	935.0	870.2
52.5°	664.8	664.8	664.8	653.8	652.0	707.7	837.3	968.8	1011.7	1010.8	945.1
55°	627.3	626.4	630.1	628.2	631.0	698.5	852.9	1021.8	1081.1	1078.4	1013.6
57.5°	580.7	578.0	587.1	590.8	599.0	676.6	855.6	1057.4	1136.8	1135.0	1069.3
60°	520.5	522.3	536.0	542.4	557.0	641.9	837.3	1070.2	1174.3	1174.3	1115.8
62.5°	460.2	465.7	482.1	494.0	512.3	597.2	801.7	1060.1	1188.9	1191.6	1140.5
65°	401.8	409.1	427.3	440.1	463.0	542.4	743.3	1020.9	1174.3	1178.8	1142.3
67.5°	348.8	350.6	370.7	385.3	409.1	484.0	676.6	954.2	1125.9	1134.1	1113.1
70°	297.7	300.4	320.5	336.9	357.9	422.8	597.2	855.6	1044.6	1058.3	1048.3
72.5°	248.4	252.9	270.3	289.5	309.5	366.2	512.3	756.1	935.0	949.6	955.1
75°	209.1	213.7	231.0	249.3	267.5	313.2	436.5	640.1	809.0	817.2	843.7
77.5°	173.5	179.0	193.6	211.8	228.3	266.6	361.6	527.8	680.3	686.7	709.5
80°	145.2	149.8	161.6	179.0	191.8	223.7	295.9	427.3	545.1	553.4	573.4
82.5°	120.5	122.4	135.1	149.8	163.4	189.0	242.0	339.7	427.3	436.5	463.9
85°	101.4	102.3	113.2	125.1	137.9	157.1	197.2	265.7	329.6	336.0	356.1
87.5°	82.2	84.0	95.0	105.9	116.0	132.4	159.8	209.1	253.8	256.6	270.3
90°	68.5	70.3	79.4	89.5	99.5	110.5	131.5	161.6	193.6	195.4	203.6
92.5°	57.5	58.4	66.7	76.7	85.8	95.0	107.7	127.8	150.7	152.5	156.1
95°	48.4	49.3	56.6	64.8	73.0	80.4	90.4	103.2	116.9	117.8	121.4
97.5°	42.0	42.0	48.4	55.7	63.0	68.5	74.9	84.0	92.2	91.3	92.2
100°	35.6	35.6	41.1	48.4	54.8	59.4	63.0	67.6	71.2	72.1	72.1
102.5°	31.0	31.0	35.6	42.9	48.4	52.0	54.8	55.7	57.5	57.5	56.6
105°	26.5	27.4	31.0	37.4	42.0	45.7	46.6	46.6	45.7	45.7	45.7
107.5°	23.7	23.7	27.4	32.9	37.4	40.2	41.1	39.3	37.4	36.5	36.5
110°	21.9	21.9	24.7	29.2	33.8	35.6	35.6	32.9	30.1	31.0	30.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	19.2	20.1	21.9	26.5	30.1	32.0	31.0	28.3	25.6	24.7	24.7
115°	18.3	18.3	20.1	23.7	27.4	28.3	27.4	24.7	21.0	21.0	21.0
117.5°	16.4	16.4	18.3	21.0	23.7	25.6	23.7	21.0	17.3	17.3	17.3
120°	15.5	15.5	16.4	19.2	21.9	22.8	21.0	18.3	14.6	14.6	15.5
122.5°	14.6	14.6	15.5	17.3	19.2	20.1	19.2	15.5	12.8	12.8	13.7
125°	13.7	13.7	13.7	15.5	17.3	18.3	16.4	13.7	11.0	11.0	11.9
127.5°	12.8	12.8	12.8	13.7	15.5	15.5	14.6	11.9	10.0	10.0	11.0
130°	11.9	11.9	11.9	12.8	13.7	13.7	11.9	10.0	9.1	9.1	9.1
132.5°	11.0	11.0	11.0	11.0	11.9	11.9	10.0	8.2	7.3	8.2	8.2
135°	10.0	10.0	10.0	10.0	10.0	10.0	8.2	6.4	6.4	6.4	7.3
137.5°	9.1	9.1	9.1	8.2	8.2	8.2	6.4	5.5	5.5	5.5	6.4
140°	8.2	8.2	8.2	7.3	6.4	6.4	4.6	4.6	4.6	4.6	5.5
142.5°	7.3	7.3	7.3	6.4	5.5	4.6	3.7	3.7	3.7	3.7	4.6
145°	6.4	6.4	5.5	5.5	3.7	2.7	2.7	2.7	2.7	3.7	3.7
147.5°	5.5	5.5	4.6	3.7	2.7	1.8	0.9	1.8	1.8	1.8	2.7
150°	3.7	3.7	3.7	2.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
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°	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7	108.7
2.5°	109.6	108.7	106.8	105.0	103.2	102.3	101.4	100.4	100.4	100.4	100.4
5°	113.2	110.5	106.8	103.2	99.5	96.8	94.1	92.2	91.3	90.4	90.4
7.5°	119.6	116.0	109.6	104.1	98.6	93.1	89.5	86.7	84.9	84.0	84.0
10°	128.8	124.2	116.0	107.7	99.5	93.1	87.7	84.0	81.3	80.4	79.4
12.5°	143.4	137.9	126.0	114.1	104.1	95.0	88.6	83.1	80.4	79.4	79.4
15°	162.5	155.2	139.7	125.1	111.4	99.5	92.2	88.6	86.7	84.9	84.9
17.5°	182.6	174.4	157.1	138.8	122.4	108.7	100.4	96.8	93.1	92.2	92.2
20°	209.1	198.1	176.2	154.3	135.1	121.4	111.4	104.1	100.4	99.5	99.5
22.5°	237.4	223.7	199.1	171.7	150.7	133.3	121.4	112.3	108.7	106.8	106.8
25°	269.4	256.6	224.6	191.8	168.0	147.0	131.5	121.4	116.9	116.0	116.0
27.5°	307.7	292.2	252.9	215.5	184.5	158.9	141.5	129.7	125.1	124.2	124.2
30°	352.5	330.5	284.0	241.1	201.8	169.8	148.8	137.9	132.4	132.4	132.4
32.5°	394.5	371.6	317.8	266.6	217.3	179.0	156.1	145.2	139.7	139.7	139.7
35°	445.6	419.1	354.3	291.3	231.0	187.2	161.6	150.7	146.1	145.2	145.2
37.5°	502.2	468.4	390.8	314.1	243.8	192.7	166.2	155.2	150.7	149.8	149.8
40°	558.8	519.6	431.0	337.9	252.9	196.3	168.9	158.9	154.3	152.5	152.5
42.5°	619.1	574.4	469.3	359.8	261.2	198.1	169.8	161.6	157.1	154.3	154.3
45°	683.9	631.0	510.4	377.1	266.6	199.1	170.8	162.5	158.9	155.2	155.2
47.5°	753.3	691.2	547.9	393.6	268.5	198.1	170.8	163.4	158.9	155.2	154.3
50°	816.3	749.7	586.2	406.3	268.5	196.3	170.8	164.4	159.8	154.3	154.3
52.5°	883.0	807.2	619.1	414.6	266.6	193.6	169.8	163.4	159.8	153.4	153.4
55°	948.7	862.0	649.2	419.1	262.1	189.9	168.0	163.4	158.9	152.5	151.6
57.5°	1001.7	912.2	673.9	419.1	255.7	185.4	165.3	162.5	158.0	151.6	150.7
60°	1044.6	950.6	687.6	413.6	247.5	180.8	162.5	160.7	157.1	149.8	148.8
62.5°	1071.1	973.4	691.2	403.6	238.3	175.3	159.8	158.0	155.2	148.8	147.0
65°	1075.7	976.1	680.3	386.3	226.5	168.0	155.2	155.2	152.5	146.1	145.2
67.5°	1049.2	949.6	652.9	362.5	213.7	160.7	149.8	150.7	148.8	143.4	141.5
70°	992.6	898.5	607.2	335.1	199.1	153.4	143.4	144.3	142.4	137.9	137.0
72.5°	904.9	814.5	546.0	302.2	183.5	144.3	137.0	137.0	136.1	131.5	129.7
75°	796.2	717.7	475.7	267.5	168.0	134.2	128.8	128.8	127.8	123.3	121.4
77.5°	674.8	606.3	402.7	233.8	151.6	124.2	118.7	119.6	118.7	113.2	113.2
80°	545.1	497.7	336.0	200.9	136.1	113.2	108.7	109.6	107.7	102.3	100.4
82.5°	437.4	398.1	272.1	171.7	120.5	103.2	98.6	98.6	95.9	91.3	90.4
85°	334.2	305.9	220.1	144.3	106.8	92.2	88.6	87.7	84.0	79.4	78.5
87.5°	260.2	236.5	176.2	122.4	93.1	82.2	78.5	76.7	73.0	68.5	67.6
90°	196.3	181.7	140.6	102.3	82.2	73.0	69.4	66.7	63.0	58.4	56.6
92.5°	152.5	143.4	114.1	87.7	71.2	64.8	61.2	58.4	53.9	50.2	48.4
95°	117.8	112.3	94.1	74.9	63.0	56.6	53.9	51.1	47.5	42.9	41.1
97.5°	93.1	88.6	76.7	63.9	55.7	51.1	47.5	44.7	40.2	36.5	35.6
100°	73.0	70.3	63.9	54.8	49.3	44.7	42.0	39.3	34.7	31.0	31.0
102.5°	57.5	56.6	53.0	47.5	43.8	40.2	37.4	34.7	31.0	27.4	26.5
105°	46.6	46.6	43.8	41.1	38.4	35.6	33.8	31.0	26.5	23.7	22.8
107.5°	37.4	38.4	37.4	36.5	33.8	32.0	30.1	26.5	22.8	20.1	20.1
110°	31.0	31.0	32.0	31.0	30.1	28.3	26.5	23.7	20.1	18.3	18.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.6	26.5	27.4	27.4	26.5	25.6	23.7	21.0	17.3	15.5	15.5
115°	21.9	21.9	23.7	23.7	23.7	22.8	21.0	18.3	15.5	13.7	14.6
117.5°	18.3	19.2	20.1	21.0	21.0	20.1	18.3	15.5	12.8	12.8	12.8
120°	16.4	16.4	17.3	18.3	18.3	18.3	16.4	13.7	11.9	11.0	11.0
122.5°	14.6	14.6	15.5	16.4	16.4	15.5	14.6	11.9	10.0	10.0	10.0
125°	12.8	12.8	13.7	14.6	14.6	13.7	11.9	10.0	9.1	9.1	9.1
127.5°	11.0	11.9	11.9	12.8	12.8	11.9	11.0	9.1	7.3	8.2	8.2
130°	10.0	10.0	11.0	11.0	11.0	10.0	9.1	7.3	7.3	7.3	7.3
132.5°	9.1	9.1	9.1	9.1	9.1	9.1	7.3	6.4	6.4	6.4	6.4
135°	7.3	8.2	8.2	8.2	8.2	7.3	6.4	5.5	5.5	5.5	6.4
137.5°	6.4	6.4	7.3	6.4	6.4	6.4	4.6	4.6	4.6	5.5	5.5
140°	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7	4.6	4.6	4.6
142.5°	4.6	4.6	4.6	4.6	3.7	3.7	2.7	2.7	3.7	3.7	4.6
145°	3.7	3.7	3.7	3.7	2.7	2.7	1.8	2.7	2.7	3.7	3.7
147.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	2.7	2.7
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)