

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: P694798

Luminaire Tested: **LXF.LXT-PA16-30-730-U-SL3-FL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)  
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-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3053 lumens  
Efficiency: N/A  
Efficacy: 104.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

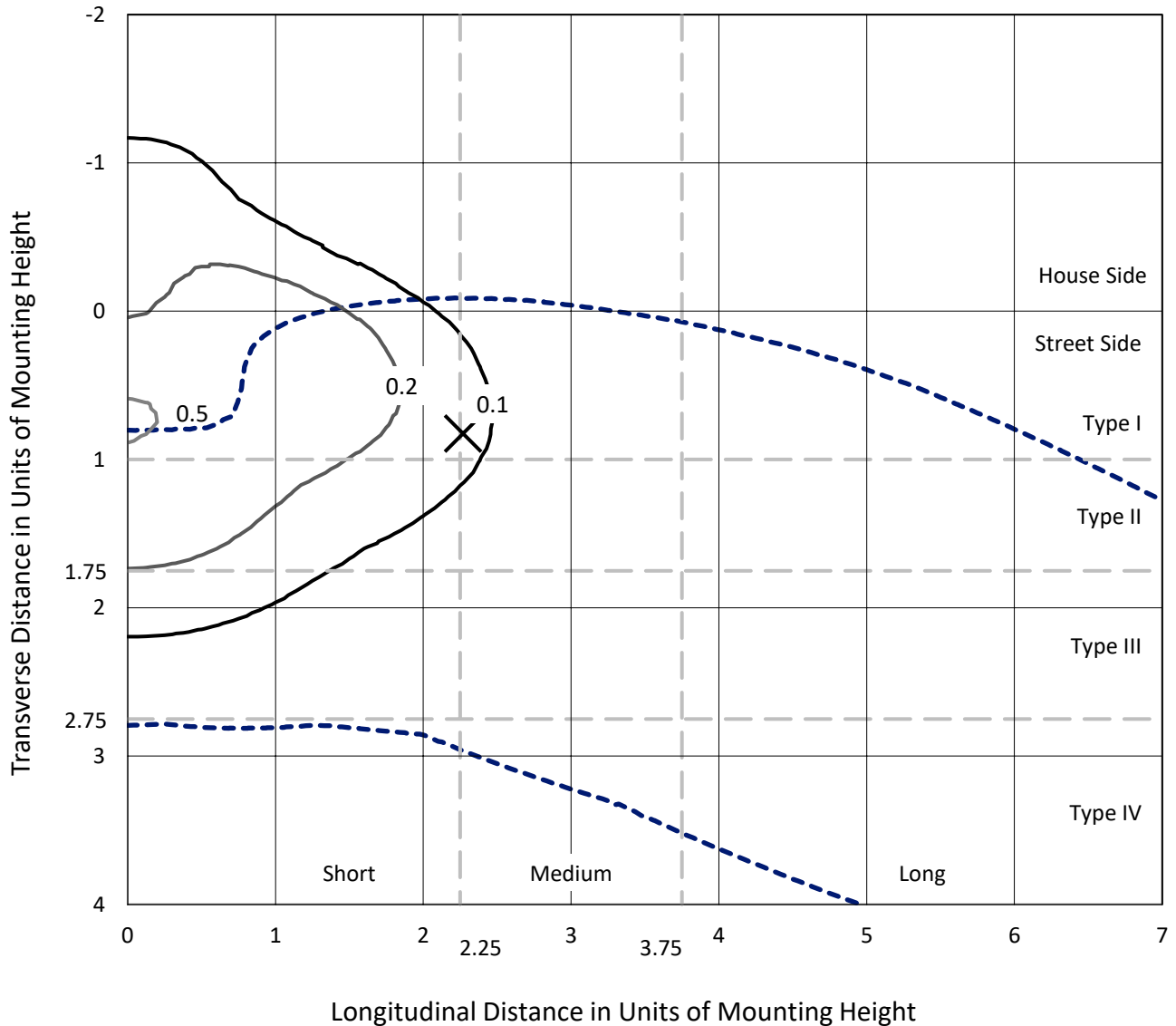
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

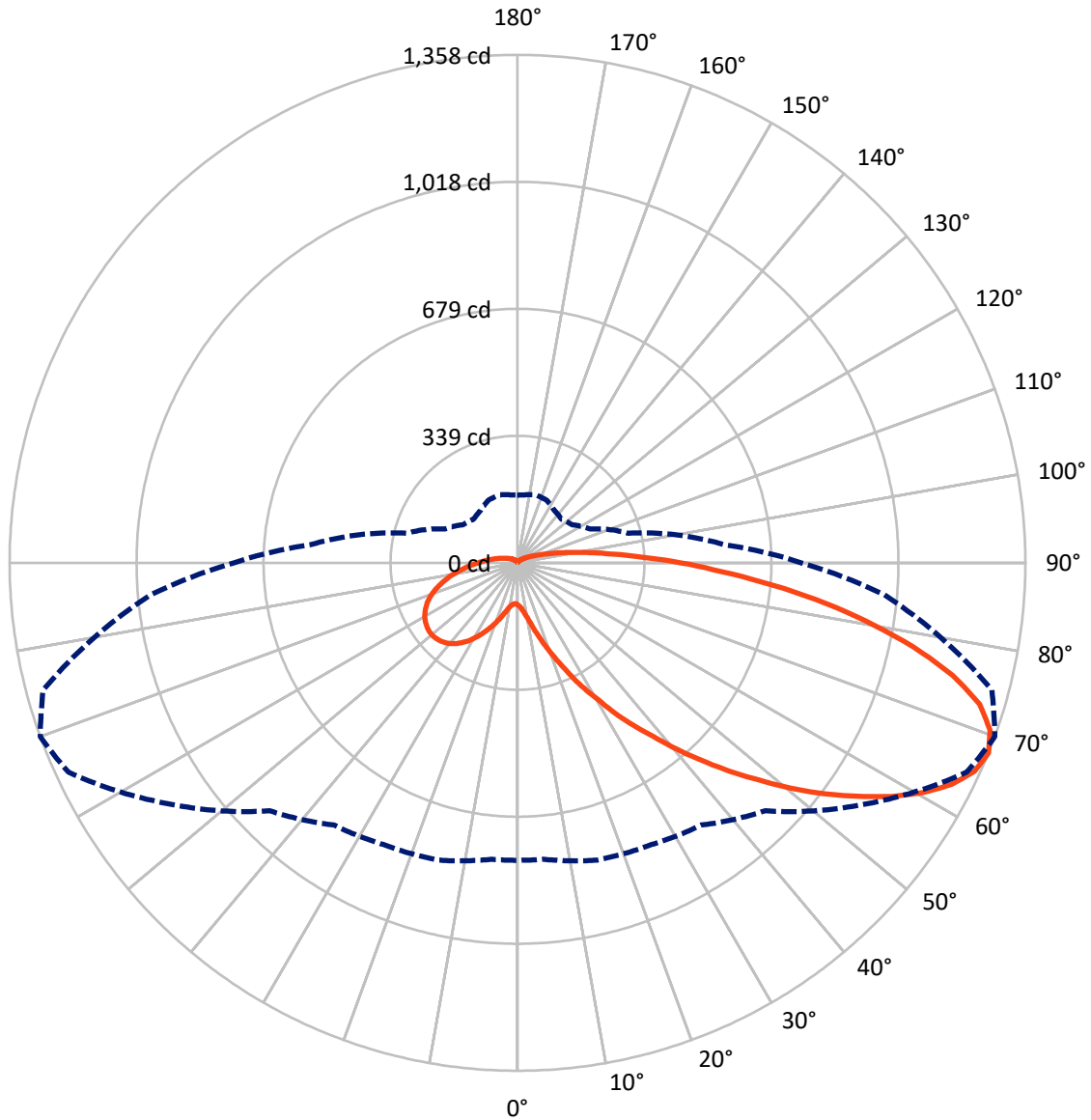
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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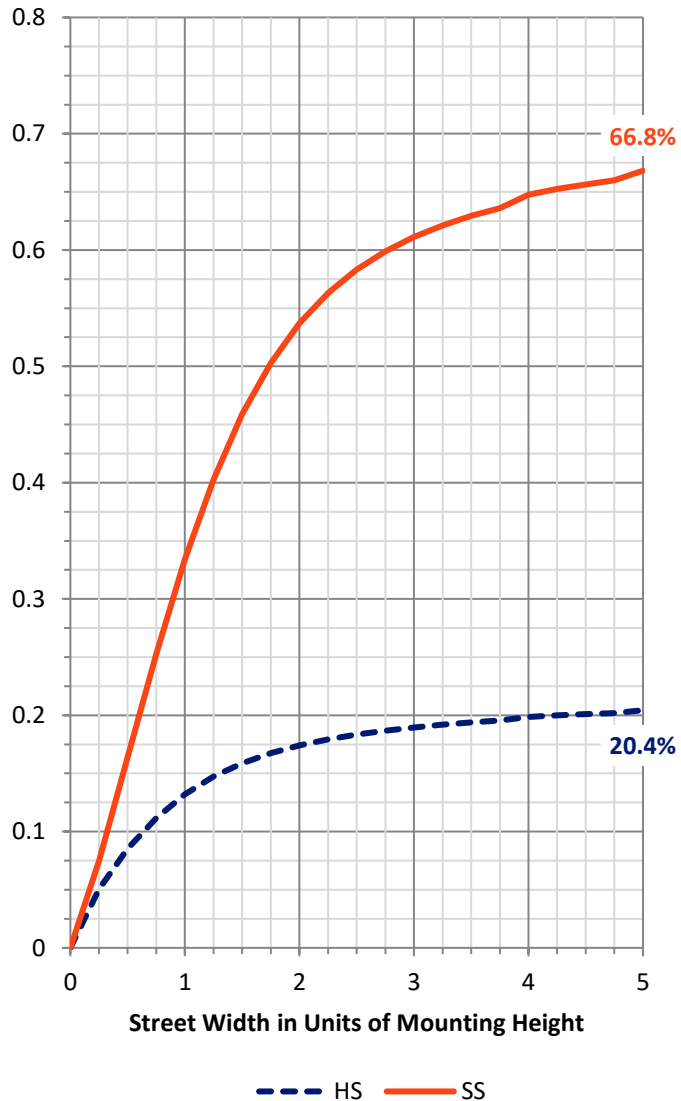
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	658.2	89.6	747.8
	% Fixture	21.6	2.9	24.5
<b>Street Side</b>	Lumens	2137.5	167.8	2305.2
	% Fixture	70.0	5.5	75.5
<b>Total</b>	Lumens	2795.6	257.4	3053.0
	% Fixture	91.6	8.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.7	0.4
10°-20°	48.3	1.6
20°-30°	121.8	4.0
30°-40°	238.6	7.8
40°-50°	388.4	12.7
50°-60°	544.2	17.8
60°-70°	624.3	20.4
70°-80°	519.6	17.0
80°-90°	298.8	9.8
90°-100°	137.1	4.5
100°-110°	62.8	2.1
110°-120°	30.9	1.0
120°-130°	15.9	0.5
130°-140°	7.8	0.3
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2795.6	91.6
0°-180°	3053.0	100.0

**Coefficient of Utilization**

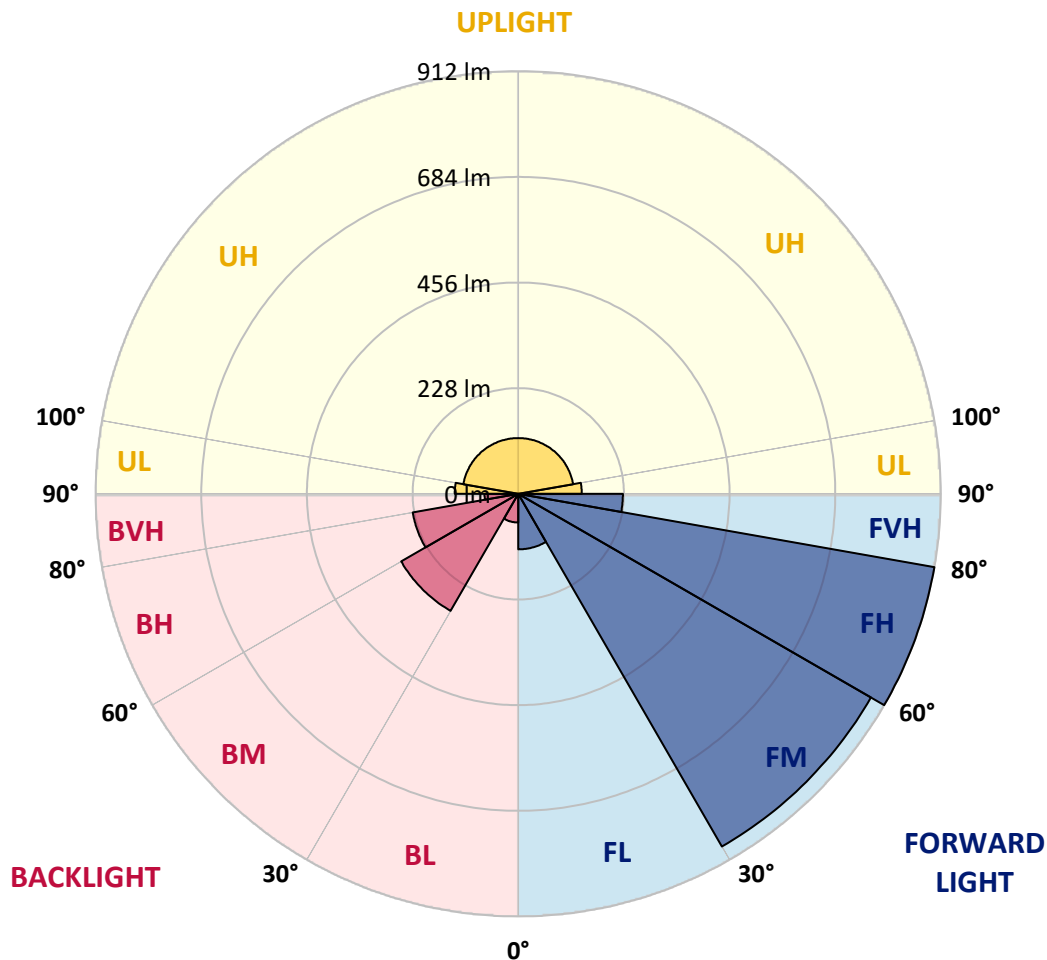


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.9	3.9			
FM (30°-60°)	879.3	28.8			
FH (60°-80°)	912.4	29.9			G1/1800
FVH (80°-90°)	225.9	7.4			G3/500
BL (0°-30°)	62.0	2.0	B0/110		
BM (30°-60°)	291.9	9.6	B1/1000		
BH (60°-80°)	231.4	7.6	B1/500		G1/500
BVH (80°-90°)	72.9	2.4			G1/100
UL (90°-100°)	137.1	4.5		U3/500	
UH (100°-180°)	120.3	3.9		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	122.9	122.9	122.9	121.7	121.7	119.4	119.4	117.0	117.0	115.8	113.5
5°	138.3	138.3	137.1	137.1	134.7	132.4	130.0	126.5	124.1	122.9	119.4
7.5°	156.0	156.0	154.8	152.5	151.3	147.7	143.0	138.3	135.9	133.5	127.6
10°	177.3	177.3	174.9	173.7	171.4	166.6	161.9	154.8	151.3	147.7	139.5
12.5°	202.1	199.7	199.7	196.2	192.6	189.1	183.2	174.9	171.4	166.6	156.0
15°	228.1	228.1	228.1	224.5	219.8	213.9	209.2	200.9	198.5	191.5	179.6
17.5°	258.8	261.2	257.6	252.9	250.5	244.6	238.7	232.8	226.9	219.8	204.5
20°	296.6	295.5	291.9	287.2	283.6	277.7	274.2	263.5	258.8	251.7	229.3
22.5°	333.3	334.5	330.9	323.8	319.1	315.5	309.6	301.4	294.3	286.0	261.2
25°	381.7	380.5	372.3	361.6	356.9	352.2	348.6	340.4	335.6	328.5	296.6
27.5°	430.2	425.5	419.5	410.1	398.3	390.0	387.6	384.1	380.5	368.7	333.3
30°	481.0	476.3	469.2	453.8	437.3	427.8	427.8	432.5	424.3	414.8	374.6
32.5°	535.4	529.5	520.0	501.1	478.6	468.0	472.7	481.0	479.8	465.6	416.0
35°	589.7	588.5	574.4	550.7	522.4	509.4	516.5	533.0	533.0	522.4	460.9
37.5°	642.9	644.1	631.1	601.5	564.9	550.7	561.4	588.5	588.5	580.3	504.6
40°	710.3	707.9	684.3	650.0	609.8	592.1	613.4	648.8	654.7	639.4	553.1
42.5°	768.2	763.5	744.5	702.0	653.5	632.3	661.8	710.3	722.1	704.4	602.7
45°	827.3	821.4	798.9	751.6	697.3	672.5	713.8	778.8	794.2	777.6	654.7
47.5°	882.8	876.9	856.8	800.1	743.4	720.9	767.0	848.6	867.5	853.3	705.5
50°	933.6	932.5	907.6	848.6	783.6	762.3	822.6	921.8	946.6	925.4	757.6
52.5°	977.4	972.6	949.0	892.3	823.7	807.2	879.3	998.6	1025.8	1004.6	809.6
55°	1004.6	1002.2	980.9	925.4	860.4	848.6	936.0	1068.4	1101.5	1082.6	858.0
57.5°	1017.6	1014.0	996.3	946.6	887.6	886.4	988.0	1140.5	1178.3	1153.5	907.6
60°	1004.6	1002.2	990.4	952.6	905.3	915.9	1042.4	1206.6	1246.8	1219.6	946.6
62.5°	960.8	960.8	959.6	937.2	908.8	940.7	1084.9	1263.4	1303.6	1270.5	975.0
65°	892.3	895.8	902.9	898.2	893.5	949.0	1113.3	1305.9	1342.6	1303.6	990.4
67.5°	795.4	795.4	822.6	833.2	855.6	937.2	1126.3	1324.8	1357.9	1313.0	984.5
70°	687.8	687.8	718.5	749.3	798.9	906.5	1112.1	1314.2	1340.2	1290.6	958.5
72.5°	575.5	576.7	613.4	655.9	724.5	853.3	1074.3	1268.1	1291.7	1232.6	906.5
75°	465.6	475.1	505.8	561.4	640.5	782.4	1003.4	1187.7	1201.9	1145.2	833.2
77.5°	368.7	380.5	417.2	471.5	554.3	692.5	907.6	1080.2	1082.6	1028.2	744.5
80°	291.9	300.2	338.0	388.8	469.2	601.5	794.2	946.6	944.3	891.1	638.2
82.5°	230.5	236.4	265.9	315.5	392.4	515.3	681.9	794.2	802.5	750.5	535.4
85°	177.3	184.4	211.5	255.3	323.8	429.0	563.7	651.2	654.7	608.6	440.8
87.5°	135.9	143.0	167.8	209.2	267.1	352.2	459.7	528.3	522.4	485.7	348.6
90°	105.2	108.7	133.5	167.8	218.6	290.7	369.9	414.8	414.8	379.4	278.9
92.5°	83.9	85.1	107.5	138.3	180.8	236.4	297.8	326.2	317.9	297.8	219.8
95°	66.2	68.5	86.3	113.5	148.9	193.8	235.2	255.3	248.2	229.3	172.5
97.5°	53.2	55.5	70.9	94.5	124.1	158.4	189.1	198.5	195.0	182.0	137.1
100°	43.7	44.9	57.9	80.4	104.0	131.2	151.3	157.2	150.1	141.8	107.5
102.5°	36.6	37.8	49.6	67.4	88.6	107.5	122.9	125.3	119.4	109.9	86.3
105°	30.7	31.9	41.4	57.9	74.5	91.0	100.5	99.3	93.4	86.3	69.7
107.5°	27.2	27.2	35.5	49.6	65.0	75.6	82.7	80.4	74.5	67.4	56.7
110°	23.6	23.6	29.5	42.5	55.5	65.0	68.5	65.0	59.1	54.4	46.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	21.3	21.3	26.0	36.6	47.3	55.5	56.7	52.0	48.5	44.9	37.8
115°	18.9	20.1	22.5	30.7	40.2	47.3	47.3	43.7	40.2	36.6	33.1
117.5°	17.7	17.7	20.1	27.2	35.5	40.2	40.2	36.6	33.1	30.7	28.4
120°	16.5	16.5	18.9	23.6	30.7	34.3	34.3	30.7	28.4	26.0	24.8
122.5°	15.4	15.4	16.5	20.1	26.0	29.5	29.5	26.0	23.6	22.5	21.3
125°	14.2	14.2	15.4	17.7	22.5	24.8	24.8	21.3	20.1	18.9	18.9
127.5°	13.0	13.0	14.2	15.4	18.9	21.3	20.1	17.7	16.5	16.5	16.5
130°	11.8	11.8	13.0	14.2	16.5	17.7	16.5	15.4	14.2	14.2	14.2
132.5°	11.8	11.8	11.8	11.8	13.0	14.2	14.2	13.0	11.8	13.0	13.0
135°	10.6	10.6	10.6	10.6	10.6	11.8	10.6	10.6	10.6	10.6	10.6
137.5°	9.5	9.5	9.5	9.5	9.5	9.5	8.3	8.3	8.3	9.5	9.5
140°	8.3	8.3	8.3	7.1	7.1	7.1	7.1	7.1	7.1	7.1	8.3
142.5°	7.1	7.1	7.1	5.9	5.9	4.7	4.7	4.7	5.9	5.9	7.1
145°	5.9	5.9	5.9	4.7	3.5	3.5	3.5	3.5	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	3.5	2.4	2.4	2.4	2.4	3.5	3.5	3.5
150°	3.5	3.5	3.5	2.4	2.4	1.2	1.2	2.4	2.4	2.4	2.4
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°	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3	112.3
2.5°	113.5	112.3	111.1	108.7	107.5	107.5	107.5	106.4	106.4	105.2	105.2
5°	117.0	115.8	111.1	107.5	105.2	102.8	100.5	99.3	98.1	96.9	96.9
7.5°	124.1	121.7	115.8	109.9	105.2	100.5	96.9	94.5	93.4	92.2	92.2
10°	134.7	131.2	121.7	113.5	106.4	100.5	95.7	93.4	91.0	89.8	89.8
12.5°	150.1	145.4	132.4	120.5	111.1	102.8	98.1	94.5	92.2	91.0	91.0
15°	171.4	163.1	146.5	131.2	118.2	107.5	101.6	99.3	98.1	98.1	98.1
17.5°	193.8	182.0	163.1	143.0	127.6	115.8	109.9	107.5	106.4	106.4	106.4
20°	218.6	205.6	179.6	156.0	137.1	126.5	119.4	117.0	115.8	115.8	115.8
22.5°	245.8	231.6	197.4	167.8	148.9	137.1	130.0	126.5	127.6	127.6	127.6
25°	276.5	256.5	216.3	182.0	159.5	147.7	140.6	137.1	139.5	140.6	140.6
27.5°	310.8	283.6	234.0	195.0	171.4	157.2	151.3	148.9	152.5	153.6	154.8
30°	343.9	313.2	251.7	209.2	180.8	166.6	160.7	161.9	164.3	166.6	169.0
32.5°	380.5	340.4	270.6	221.0	190.3	173.7	170.2	173.7	178.5	180.8	182.0
35°	416.0	368.7	284.8	231.6	197.4	180.8	178.5	184.4	190.3	195.0	195.0
37.5°	451.5	394.7	300.2	239.9	203.3	185.5	185.5	193.8	200.9	206.8	206.8
40°	488.1	423.1	313.2	247.0	208.0	190.3	191.5	202.1	211.5	215.1	216.3
42.5°	525.9	446.7	323.8	251.7	210.4	193.8	196.2	209.2	218.6	222.2	223.4
45°	562.5	471.5	332.1	254.1	212.7	195.0	198.5	213.9	223.4	226.9	226.9
47.5°	596.8	492.8	338.0	255.3	212.7	195.0	200.9	216.3	226.9	228.1	228.1
50°	633.5	514.1	342.7	255.3	211.5	195.0	200.9	217.5	226.9	226.9	226.9
52.5°	668.9	533.0	345.1	252.9	209.2	193.8	199.7	216.3	225.7	223.4	223.4
55°	702.0	548.4	343.9	249.4	205.6	190.3	197.4	213.9	222.2	218.6	218.6
57.5°	729.2	561.4	341.5	244.6	202.1	186.7	193.8	210.4	217.5	212.7	211.5
60°	752.8	569.6	336.8	238.7	196.2	182.0	190.3	205.6	211.5	205.6	204.5
62.5°	765.8	573.2	329.7	230.5	191.5	177.3	184.4	199.7	204.5	197.4	197.4
65°	770.6	568.5	319.1	222.2	184.4	172.5	178.5	192.6	196.2	190.3	189.1
67.5°	758.7	555.5	306.1	213.9	177.3	165.5	171.4	184.4	187.9	182.0	180.8
70°	733.9	530.6	289.5	202.1	169.0	158.4	163.1	173.7	178.5	173.7	172.5
72.5°	687.8	499.9	270.6	190.3	159.5	150.1	154.8	164.3	169.0	164.3	163.1
75°	633.5	459.7	249.4	177.3	150.1	141.8	145.4	152.5	157.2	154.8	152.5
77.5°	561.4	411.3	226.9	164.3	140.6	132.4	134.7	141.8	145.4	143.0	143.0
80°	485.7	358.1	204.5	150.1	131.2	124.1	124.1	130.0	133.5	132.4	130.0
82.5°	412.5	306.1	180.8	135.9	119.4	113.5	114.6	117.0	121.7	119.4	118.2
85°	339.2	260.0	158.4	122.9	108.7	104.0	104.0	105.2	108.7	107.5	106.4
87.5°	277.7	213.9	138.3	108.7	98.1	94.5	92.2	94.5	94.5	94.5	92.2
90°	225.7	177.3	119.4	96.9	89.8	85.1	82.7	82.7	82.7	81.5	80.4
92.5°	179.6	146.5	104.0	86.3	80.4	76.8	74.5	73.3	72.1	69.7	69.7
95°	147.7	120.5	89.8	75.6	72.1	68.5	66.2	65.0	62.6	60.3	59.1
97.5°	117.0	100.5	76.8	67.4	63.8	61.5	59.1	56.7	53.2	50.8	49.6
100°	93.4	81.5	66.2	59.1	56.7	54.4	52.0	49.6	46.1	42.5	41.4
102.5°	76.8	68.5	56.7	53.2	50.8	48.5	47.3	43.7	39.0	35.5	35.5
105°	62.6	56.7	49.6	46.1	44.9	43.7	41.4	37.8	33.1	29.5	29.5
107.5°	52.0	48.5	42.5	41.4	40.2	39.0	36.6	33.1	28.4	24.8	24.8
110°	43.7	40.2	36.6	35.5	35.5	34.3	33.1	28.4	24.8	21.3	21.3

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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	36.6	34.3	33.1	31.9	31.9	30.7	29.5	24.8	21.3	18.9	18.9
115°	30.7	29.5	28.4	28.4	28.4	27.2	26.0	22.5	17.7	16.5	16.5
117.5°	27.2	26.0	24.8	24.8	24.8	24.8	22.5	18.9	15.4	14.2	14.2
120°	23.6	23.6	22.5	22.5	22.5	21.3	20.1	16.5	13.0	13.0	13.0
122.5°	21.3	20.1	20.1	20.1	20.1	18.9	16.5	14.2	11.8	11.8	11.8
125°	18.9	17.7	17.7	17.7	17.7	16.5	14.2	11.8	10.6	10.6	10.6
127.5°	16.5	16.5	15.4	15.4	15.4	14.2	13.0	10.6	9.5	9.5	9.5
130°	14.2	14.2	14.2	14.2	13.0	11.8	10.6	9.5	8.3	8.3	8.3
132.5°	13.0	13.0	11.8	11.8	11.8	10.6	9.5	8.3	7.1	8.3	8.3
135°	10.6	10.6	10.6	10.6	9.5	8.3	8.3	7.1	7.1	7.1	7.1
137.5°	9.5	9.5	9.5	8.3	8.3	7.1	7.1	5.9	5.9	5.9	7.1
140°	8.3	8.3	7.1	7.1	5.9	5.9	5.9	4.7	5.9	5.9	5.9
142.5°	7.1	7.1	5.9	5.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	4.7	3.5	3.5	3.5	3.5	4.7	4.7	4.7
147.5°	3.5	3.5	3.5	3.5	2.4	2.4	2.4	3.5	3.5	3.5	3.5
150°	2.4	2.4	2.4	2.4	1.2	1.2	2.4	2.4	3.5	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)