

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: P414873

Luminaire Tested: **LXF.LXT-PA1-30-830-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-30-830-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 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: 2795 lumens  
Efficiency: N/A  
Efficacy: 90.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

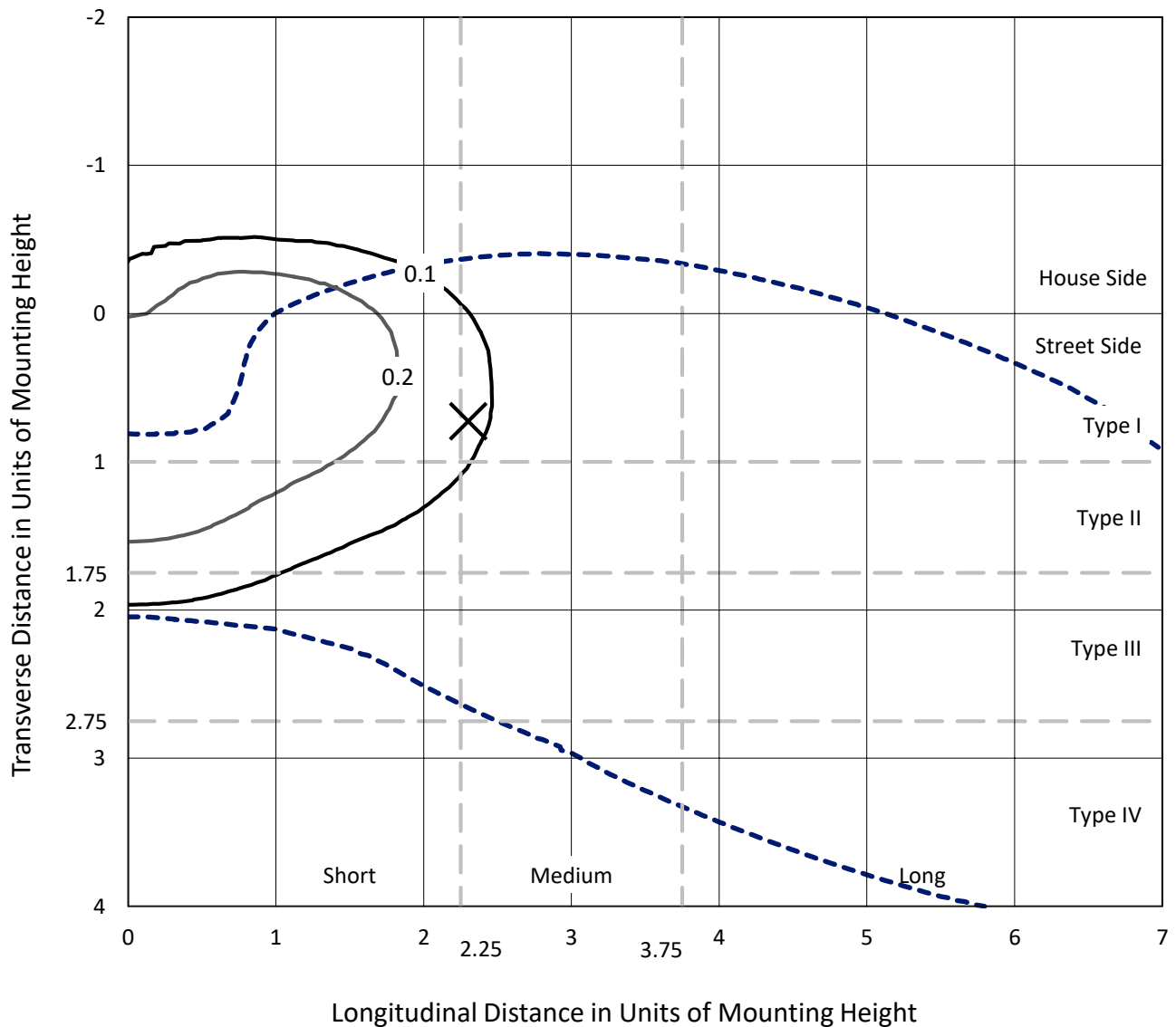
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

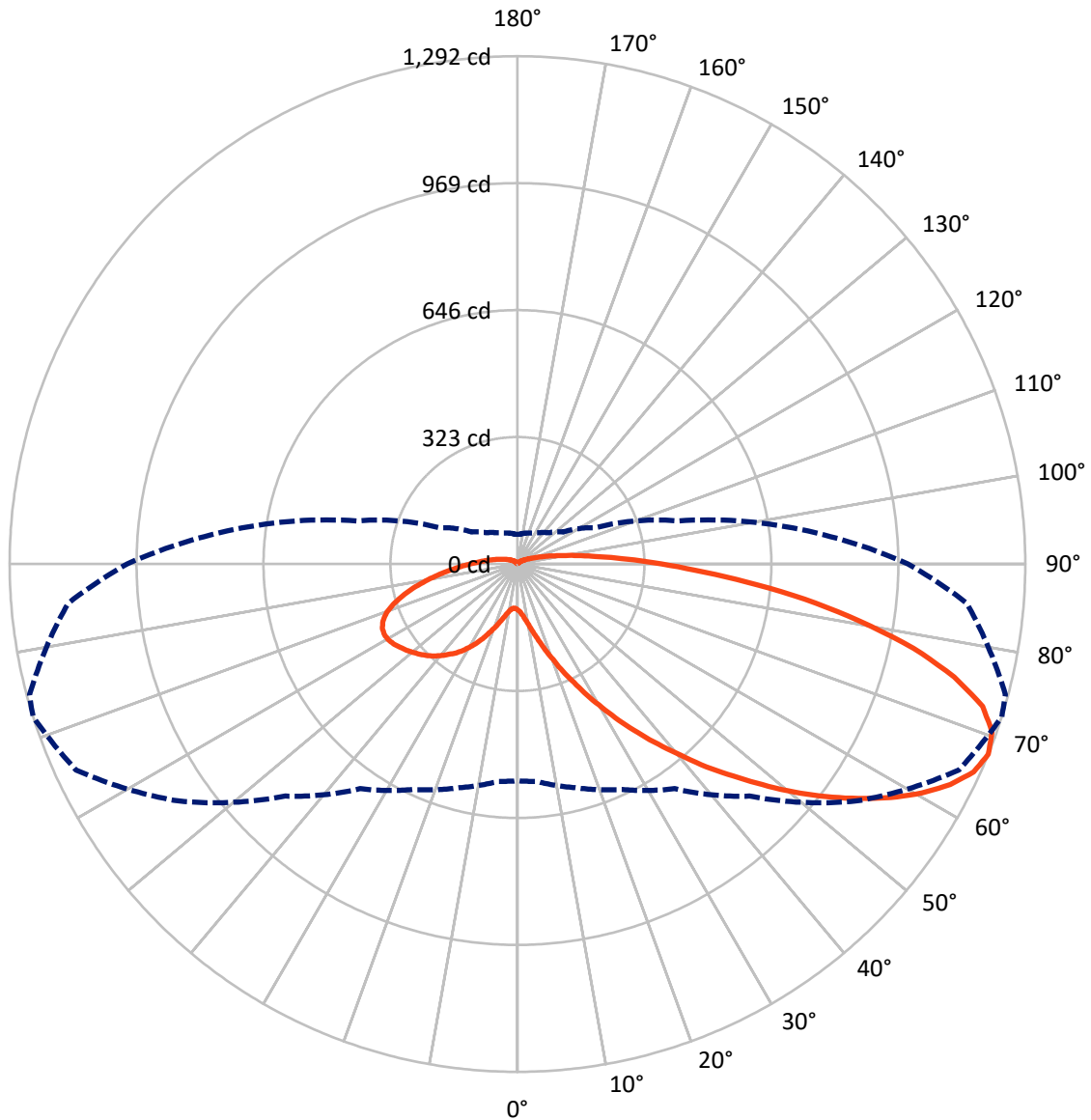
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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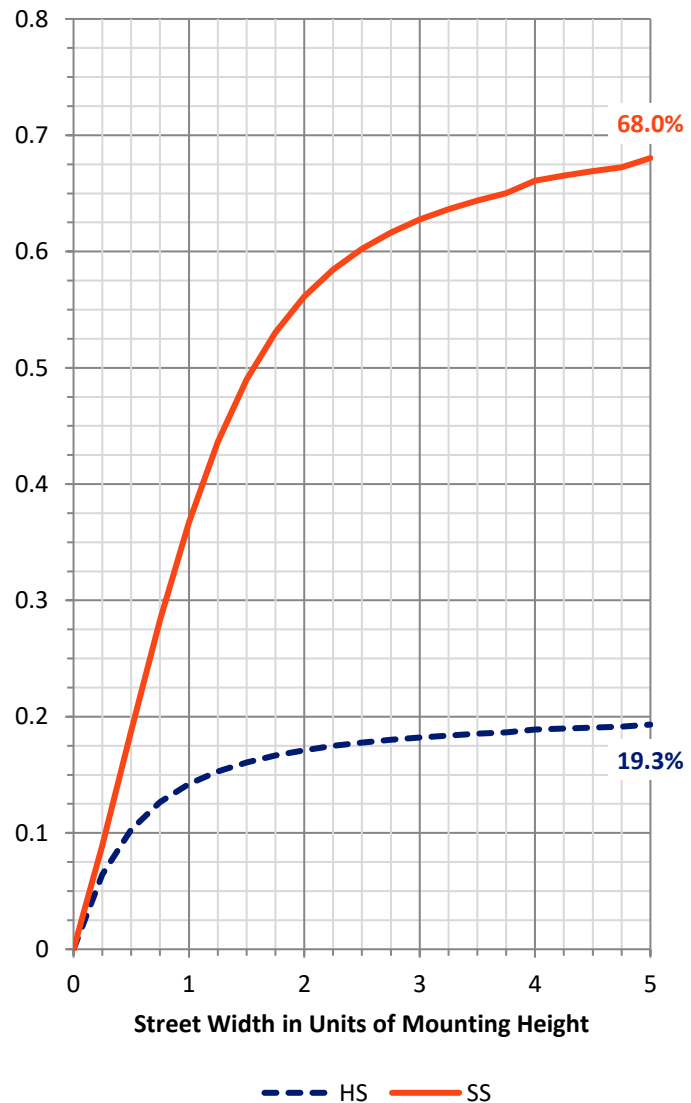
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	567.6	80.7	648.3
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	1990.2	156.5	2146.7
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	2557.7	237.2	2795.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.0	0.4
10°-20°	47.7	1.7
20°-30°	115.1	4.1
30°-40°	219.5	7.9
40°-50°	353.3	12.6
50°-60°	488.8	17.5
60°-70°	561.6	20.1
70°-80°	482.1	17.2
80°-90°	277.6	9.9
90°-100°	125.4	4.5
100°-110°	57.7	2.1
110°-120°	29.0	1.0
120°-130°	15.0	0.5
130°-140°	7.2	0.3
140°-150°	2.5	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2557.7	91.5
0°-180°	2795.0	100.0



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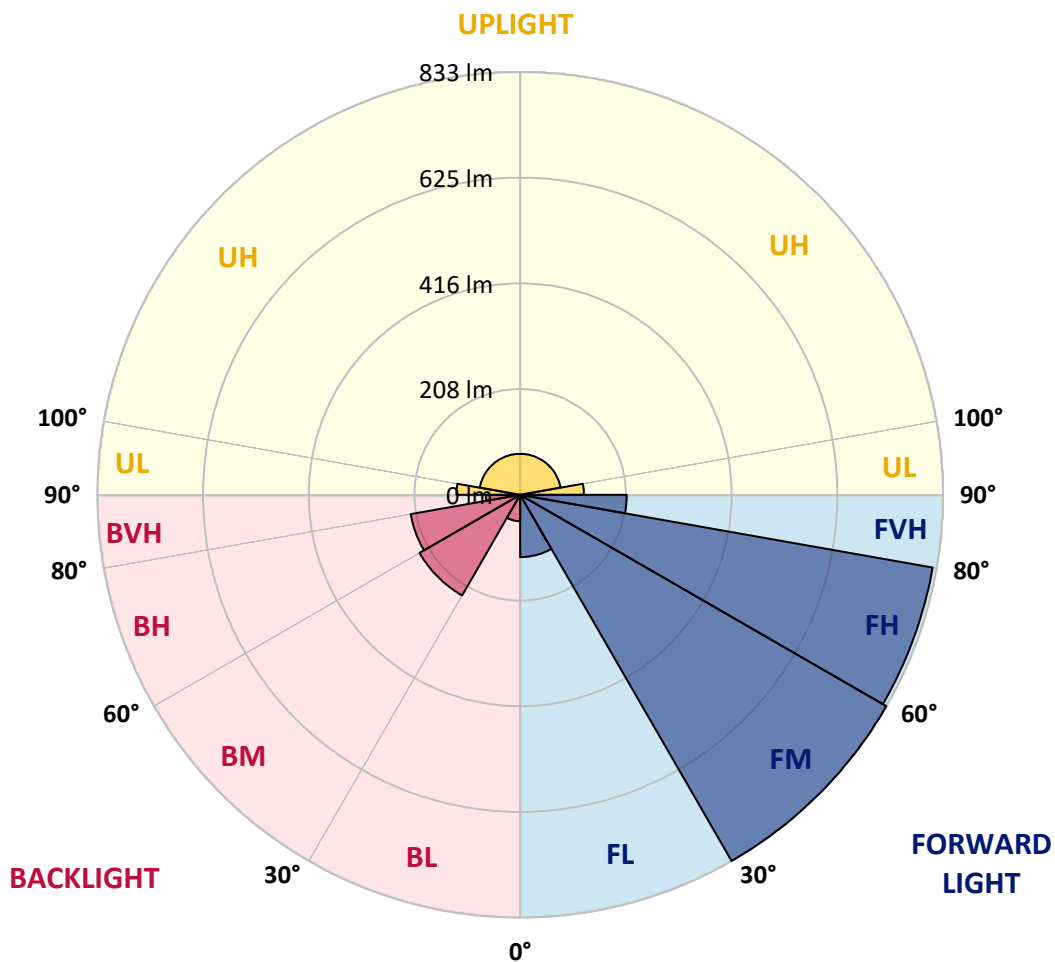
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	122.7	4.4			
FM	(30°-60°)	832.7	29.8			
FH	(60°-80°)	824.9	29.5			G1/1800
FVH	(80°-90°)	209.8	7.5			G2/225
BL	(0°-30°)	52.1	1.9	B0/110		
BM	(30°-60°)	228.8	8.2	B1/1000		
BH	(60°-80°)	218.9	7.8	B1/500		G1/500
BVH	(80°-90°)	67.7	2.4			G1/100
UL	(90°-100°)	125.4	4.5		U3/500	
UH	(100°-180°)	80.7	2.9		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	130.7	130.4	130.7	129.7	128.7	126.7	125.3	122.6	121.3	120.6	117.9
5°	149.2	148.9	148.5	147.2	143.8	141.5	137.4	132.7	129.7	128.4	124.0
7.5°	169.4	168.7	168.0	165.0	162.6	158.6	152.6	146.5	141.5	140.5	132.4
10°	192.2	191.5	190.2	187.8	183.5	177.8	172.4	163.6	157.3	154.2	145.5
12.5°	215.7	217.1	215.4	210.7	205.6	200.3	192.5	184.1	177.4	175.1	161.6
15°	244.3	245.3	243.6	238.2	232.9	224.8	218.7	210.0	200.9	199.6	184.8
17.5°	275.9	275.5	272.2	267.1	262.4	256.0	247.3	239.2	229.2	226.8	208.7
20°	310.1	308.8	305.8	297.4	293.0	285.6	280.2	269.2	259.4	256.0	237.9
22.5°	344.4	343.7	341.1	333.3	328.0	321.6	313.5	303.4	296.7	290.0	269.8
25°	387.4	383.4	380.0	366.3	361.2	355.2	348.1	339.7	333.3	329.6	306.4
27.5°	430.4	427.4	419.7	409.6	399.9	390.1	387.1	379.7	377.7	374.7	348.5
30°	473.1	471.8	463.4	450.6	436.5	427.1	425.4	426.1	423.0	419.4	391.5
32.5°	521.5	518.5	509.1	491.9	477.1	466.1	466.1	470.8	473.5	469.8	440.2
35°	568.9	566.2	554.4	533.3	516.8	503.4	508.7	519.8	526.2	526.2	489.6
37.5°	618.9	612.9	600.8	578.6	556.4	546.7	552.8	571.9	581.3	581.3	544.4
40°	662.6	662.3	645.8	619.3	597.4	583.0	601.5	627.0	639.4	638.4	599.5
42.5°	706.3	706.0	690.2	661.0	633.4	626.0	649.2	685.1	705.3	705.3	655.2
45°	745.6	742.9	729.5	697.2	671.7	668.3	702.6	748.3	769.1	772.5	715.7
47.5°	774.5	772.2	760.4	729.2	705.0	711.0	752.3	810.5	838.7	838.4	777.5
50°	794.0	791.7	781.6	754.7	733.9	749.0	806.4	876.3	911.6	914.3	838.7
52.5°	799.7	798.4	793.0	770.8	757.4	783.3	857.2	943.5	983.5	985.9	905.6
55°	790.0	790.0	789.6	776.2	770.8	813.8	909.6	1009.1	1052.4	1056.8	971.4
57.5°	767.1	768.1	774.2	769.8	777.9	838.4	954.0	1068.2	1120.6	1123.3	1030.2
60°	732.5	730.5	743.9	752.0	773.9	853.8	993.3	1127.7	1182.5	1183.5	1082.0
62.5°	680.1	681.1	700.6	721.8	759.4	860.2	1027.9	1179.8	1235.2	1237.6	1122.3
65°	618.3	620.6	647.2	682.8	734.5	853.5	1047.7	1219.8	1275.2	1272.2	1145.5
67.5°	551.4	554.8	589.4	632.7	697.6	834.7	1051.1	1238.9	1291.7	1284.9	1147.5
70°	478.2	486.9	521.5	578.0	649.9	798.7	1031.6	1235.5	1280.6	1274.2	1117.6
72.5°	411.6	418.0	456.0	514.8	596.4	746.6	990.3	1196.9	1237.2	1224.5	1055.1
75°	345.4	355.2	391.1	454.0	538.6	682.1	920.0	1122.3	1147.2	1133.4	962.0
77.5°	289.0	297.7	333.3	393.8	475.1	614.6	828.0	1009.1	1029.6	1015.5	844.4
80°	235.5	245.3	279.9	339.4	415.7	535.3	722.4	876.7	884.4	862.2	714.7
82.5°	196.9	201.9	234.2	286.6	356.9	461.7	614.2	735.5	735.9	709.3	580.6
85°	161.0	164.0	193.5	240.9	301.1	390.1	504.4	592.4	585.7	571.2	447.6
87.5°	130.4	133.4	159.9	202.6	253.4	325.6	411.6	466.4	450.6	439.2	347.4
90°	106.9	110.2	132.1	169.0	212.7	268.8	327.6	360.5	346.4	337.7	267.8
92.5°	87.4	90.7	109.9	141.5	180.1	220.1	260.4	275.9	266.1	256.0	201.9
95°	73.9	74.6	91.7	118.3	148.9	177.8	204.0	213.0	199.6	195.9	156.2
97.5°	60.8	62.8	76.3	99.8	124.3	148.2	161.6	166.3	154.2	146.2	119.6
100°	51.7	52.8	64.5	83.3	103.5	120.6	131.0	128.7	117.9	113.2	90.7
102.5°	44.4	45.4	54.8	72.2	88.0	100.5	105.5	101.8	91.7	88.7	71.2
105°	39.0	39.3	47.0	61.2	74.6	85.0	87.0	81.3	71.6	67.5	56.1
107.5°	34.6	34.9	41.0	53.1	64.5	71.6	72.2	65.9	56.5	53.4	45.0
110°	30.9	31.6	36.0	46.0	55.8	61.2	60.5	53.8	45.0	42.3	37.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	27.9	28.6	31.9	40.3	48.4	53.1	51.4	43.3	36.0	34.3	30.6
115°	25.5	26.2	28.9	35.6	42.7	46.0	43.3	36.0	29.6	27.6	25.5
117.5°	23.9	24.2	26.2	31.6	37.0	39.7	36.6	29.9	24.2	22.8	21.8
120°	22.2	22.5	24.2	27.9	32.6	33.9	30.9	24.5	20.2	19.5	19.2
122.5°	20.8	20.8	22.2	24.9	28.2	29.2	26.2	20.5	17.1	16.5	16.8
125°	19.5	19.5	20.2	22.2	24.5	25.2	21.8	17.1	14.4	14.1	14.8
127.5°	18.1	18.1	18.5	19.8	21.2	21.2	18.1	14.1	12.4	12.1	13.1
130°	16.8	16.8	16.8	17.5	18.1	17.8	14.8	11.8	10.8	10.8	11.4
132.5°	15.5	15.5	15.5	15.5	15.1	14.4	12.1	9.4	9.4	9.4	10.1
135°	13.8	13.8	13.8	13.4	12.8	11.8	9.4	7.7	7.7	8.1	8.7
137.5°	12.4	12.4	12.1	11.4	10.4	9.1	7.4	6.0	6.7	6.7	7.4
140°	10.8	10.8	10.4	9.4	8.1	6.7	5.4	5.0	5.4	5.7	6.4
142.5°	9.1	9.1	8.7	7.7	6.4	4.7	3.7	3.7	4.4	4.4	5.0
145°	7.4	7.4	7.1	6.0	4.4	3.0	2.4	2.7	3.4	3.4	3.7
147.5°	5.7	5.7	5.4	4.4	3.0	2.0	1.3	2.0	2.4	2.4	2.7
150°	4.0	4.0	3.7	3.0	2.0	1.0	0.7	1.0	1.3	1.7	1.7
152.5°	2.7	2.7	2.4	2.0	1.0	0.3	0.7	1.0	1.0	1.0	1.3
155°	1.7	1.3	1.3	1.0	0.3	0.0	0.3	0.7	0.7	0.7	1.0
157.5°	0.7	0.7	0.7	0.7	0.3	0.0	0.3	0.3	0.3	0.7	0.7
160°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
162.5°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
165°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
167.5°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
170°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
172.5°	0.0	0.3	0.3	0.7	0.3	0.0	0.3	0.3	0.3	0.3	0.3
175°	0.0	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.0	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	117.3	115.9	113.9	111.9	109.9	108.5	107.2	106.5	105.5	104.5	104.5
5°	121.3	118.6	113.9	109.2	104.8	101.1	97.4	95.4	94.1	92.7	93.1
7.5°	128.7	124.7	116.9	109.2	102.1	96.1	91.1	87.0	84.3	82.7	83.0
10°	139.1	134.7	123.0	111.9	101.8	93.1	86.0	80.3	76.9	75.3	75.3
12.5°	155.6	148.2	132.7	116.9	103.5	91.7	82.7	75.9	71.2	69.2	68.9
15°	175.4	165.0	146.2	126.7	107.5	91.7	80.0	75.3	72.2	70.9	70.6
17.5°	198.9	187.5	161.6	135.8	112.9	93.7	83.7	78.0	74.6	73.3	72.9
20°	224.5	211.0	178.4	147.2	118.3	99.8	87.4	80.3	76.6	75.3	75.3
22.5°	255.7	237.9	196.6	157.3	125.0	104.8	91.1	82.3	79.0	77.6	77.3
25°	288.0	267.8	218.1	168.0	132.4	108.9	93.7	84.3	81.0	79.6	80.0
27.5°	325.9	300.1	239.2	178.8	138.8	111.2	95.1	86.0	82.7	81.7	82.0
30°	365.6	333.0	258.1	189.9	143.1	112.9	96.1	87.4	83.7	83.0	83.0
32.5°	407.6	370.6	277.6	199.6	145.8	113.2	96.1	88.0	84.3	84.0	84.3
35°	450.6	406.9	296.4	207.3	147.2	112.9	95.8	88.7	84.3	84.3	84.3
37.5°	498.3	442.5	312.2	212.7	147.5	111.9	95.4	88.4	84.3	84.3	84.7
40°	547.4	480.5	329.6	217.1	147.2	111.2	95.1	88.4	84.3	84.3	84.7
42.5°	596.1	515.8	346.1	219.8	146.5	110.6	94.8	88.4	84.3	83.7	84.0
45°	648.9	556.8	361.9	221.4	145.8	110.2	94.8	88.0	84.3	83.0	83.3
47.5°	697.9	594.8	374.7	223.5	145.5	110.2	95.1	88.0	84.0	82.7	82.7
50°	753.4	634.1	387.8	224.1	144.8	110.2	95.1	88.0	83.7	81.7	82.0
52.5°	808.1	673.7	400.5	225.5	144.8	110.6	95.4	88.0	83.3	80.6	80.6
55°	860.5	709.0	412.0	226.5	144.8	111.2	96.4	88.0	83.0	79.6	79.6
57.5°	908.6	745.3	423.4	226.8	144.8	111.9	96.4	88.4	82.7	78.6	78.6
60°	951.3	776.5	431.4	227.1	144.5	112.6	97.1	88.0	82.3	77.6	77.6
62.5°	981.5	800.4	435.5	226.1	144.5	112.6	97.4	88.0	82.0	77.3	76.9
65°	998.7	808.8	433.1	223.1	143.8	112.6	97.1	87.7	81.3	76.6	76.3
67.5°	992.9	799.7	423.0	218.4	142.1	112.2	97.1	87.0	81.3	76.3	75.6
70°	962.0	772.5	403.9	211.4	139.8	110.9	95.8	86.0	80.6	75.9	75.3
72.5°	901.5	717.7	376.0	200.3	135.8	108.9	94.1	84.3	79.3	74.9	73.9
75°	817.5	652.6	342.1	188.8	130.7	106.2	92.1	82.7	77.6	73.6	72.6
77.5°	709.7	565.5	304.4	174.1	124.3	102.5	89.4	80.0	75.3	71.6	70.2
80°	597.8	476.5	263.8	158.6	117.6	97.8	85.3	76.6	72.2	68.9	67.2
82.5°	483.9	391.5	225.8	143.8	109.9	92.4	81.3	72.9	68.9	65.2	63.5
85°	381.7	309.5	189.2	128.4	101.8	87.0	76.6	68.5	64.9	60.8	59.1
87.5°	297.0	245.6	158.3	114.2	93.1	81.0	71.6	64.2	59.8	56.1	54.8
90°	231.5	193.5	132.4	100.8	85.3	74.9	66.2	59.5	55.1	51.4	49.7
92.5°	176.4	153.2	110.9	89.0	77.6	68.9	61.2	54.8	50.4	46.4	44.7
95°	138.1	121.6	93.7	78.3	69.9	62.5	56.1	50.1	45.4	41.0	40.0
97.5°	107.2	97.4	79.0	68.5	63.2	56.5	50.7	45.4	40.7	36.3	35.3
100°	84.7	77.6	66.9	60.8	56.1	50.7	45.7	41.0	36.0	31.2	30.9
102.5°	66.9	63.8	56.8	53.4	49.7	45.7	41.3	36.3	31.2	26.9	26.5
105°	54.8	52.1	48.7	46.7	44.4	40.7	36.6	32.3	27.2	23.2	23.2
107.5°	44.4	43.0	41.3	41.0	39.3	36.3	32.9	28.6	23.5	20.2	20.2
110°	36.3	36.0	36.0	36.0	34.9	32.6	29.2	24.9	19.8	17.5	17.5



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.6	30.6	30.9	31.6	30.9	28.6	25.5	21.5	17.1	15.1	15.1
115°	25.9	26.2	27.2	27.6	27.2	25.5	22.5	18.5	14.4	13.1	13.4
117.5°	22.5	22.5	23.9	24.5	24.2	22.5	19.5	15.8	12.4	11.8	11.8
120°	19.5	20.2	21.2	21.5	21.2	19.5	17.1	13.4	10.8	10.4	10.4
122.5°	17.1	17.5	18.5	19.2	18.5	17.1	14.4	11.4	9.1	9.1	9.4
125°	15.1	15.5	16.1	16.8	16.1	14.4	12.4	9.4	8.1	8.1	8.1
127.5°	13.4	13.8	14.4	14.4	13.8	12.4	10.4	8.1	6.7	7.1	7.1
130°	11.8	12.1	12.4	12.4	12.1	10.8	8.7	6.7	6.0	6.4	6.4
132.5°	10.4	10.8	10.8	10.8	10.1	9.1	7.4	5.7	5.4	5.7	5.7
135°	9.1	9.1	9.4	9.1	8.4	7.4	5.7	4.7	4.7	5.0	5.0
137.5°	7.7	8.1	8.1	7.4	6.7	5.7	4.7	4.0	4.0	4.4	4.4
140°	6.4	6.7	6.4	6.0	5.4	4.7	3.7	3.0	3.4	3.7	3.7
142.5°	5.4	5.4	5.4	4.7	4.0	3.4	2.7	2.7	3.0	3.0	3.4
145°	4.0	4.0	4.0	3.7	3.0	2.4	2.0	2.0	2.4	2.7	2.7
147.5°	3.0	3.0	3.0	2.7	2.0	1.7	1.3	1.7	2.0	2.4	2.0
150°	2.0	2.0	2.0	1.7	1.3	1.0	1.0	1.3	1.7	1.7	1.7
152.5°	1.3	1.3	1.3	1.3	1.0	0.3	0.7	1.0	1.3	1.3	1.3
155°	1.0	1.0	1.0	1.0	0.7	0.0	0.3	0.7	1.0	1.0	1.0
157.5°	0.7	0.7	0.7	0.7	0.3	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.3	0.7	0.7	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3
162.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.0
165°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
167.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
170°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
172.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
175°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
177.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.0	0.0
180°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

(END OF REPORT)