

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: P254896

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T4W-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254896  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T4W-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3071.3 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

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

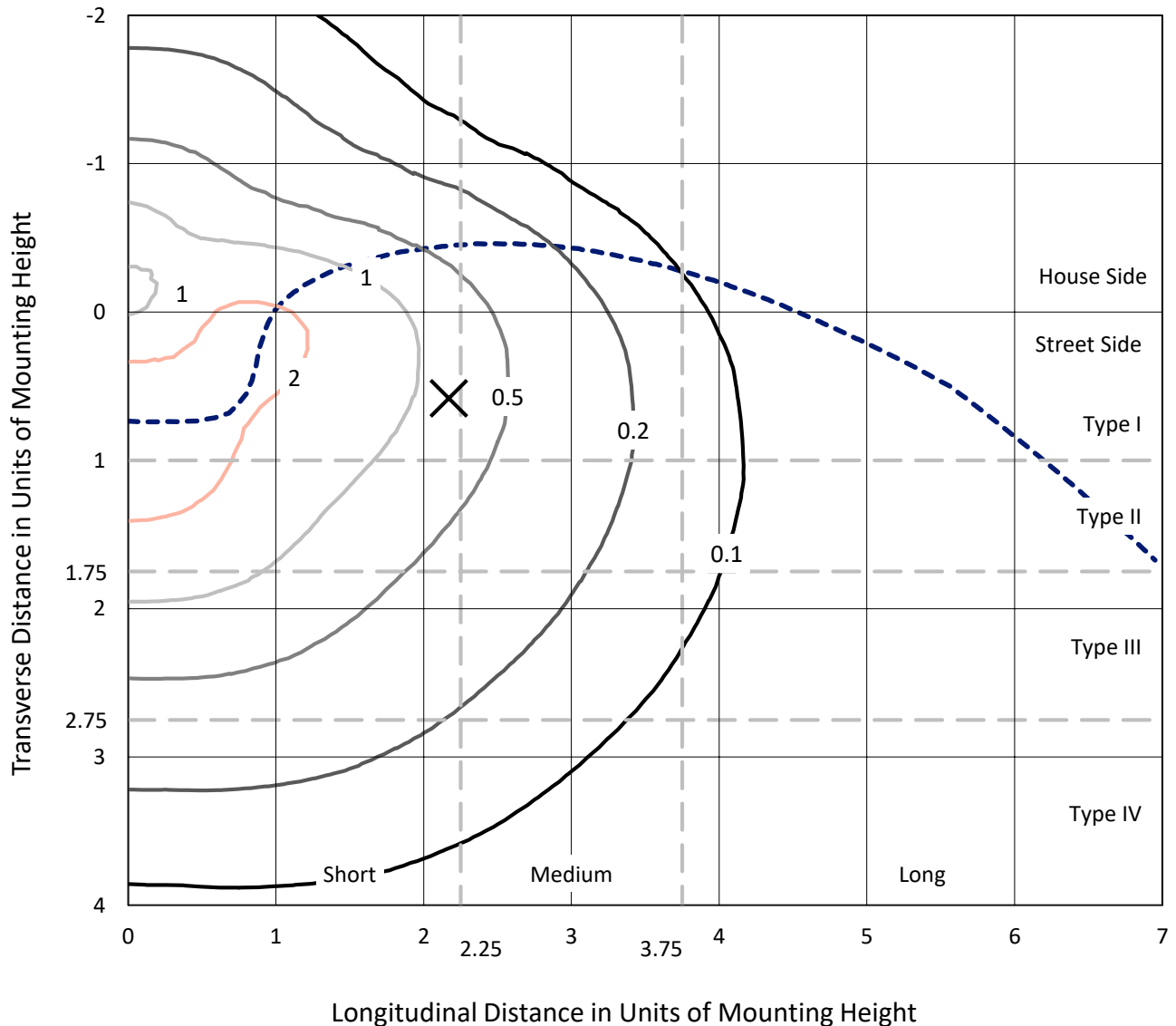


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

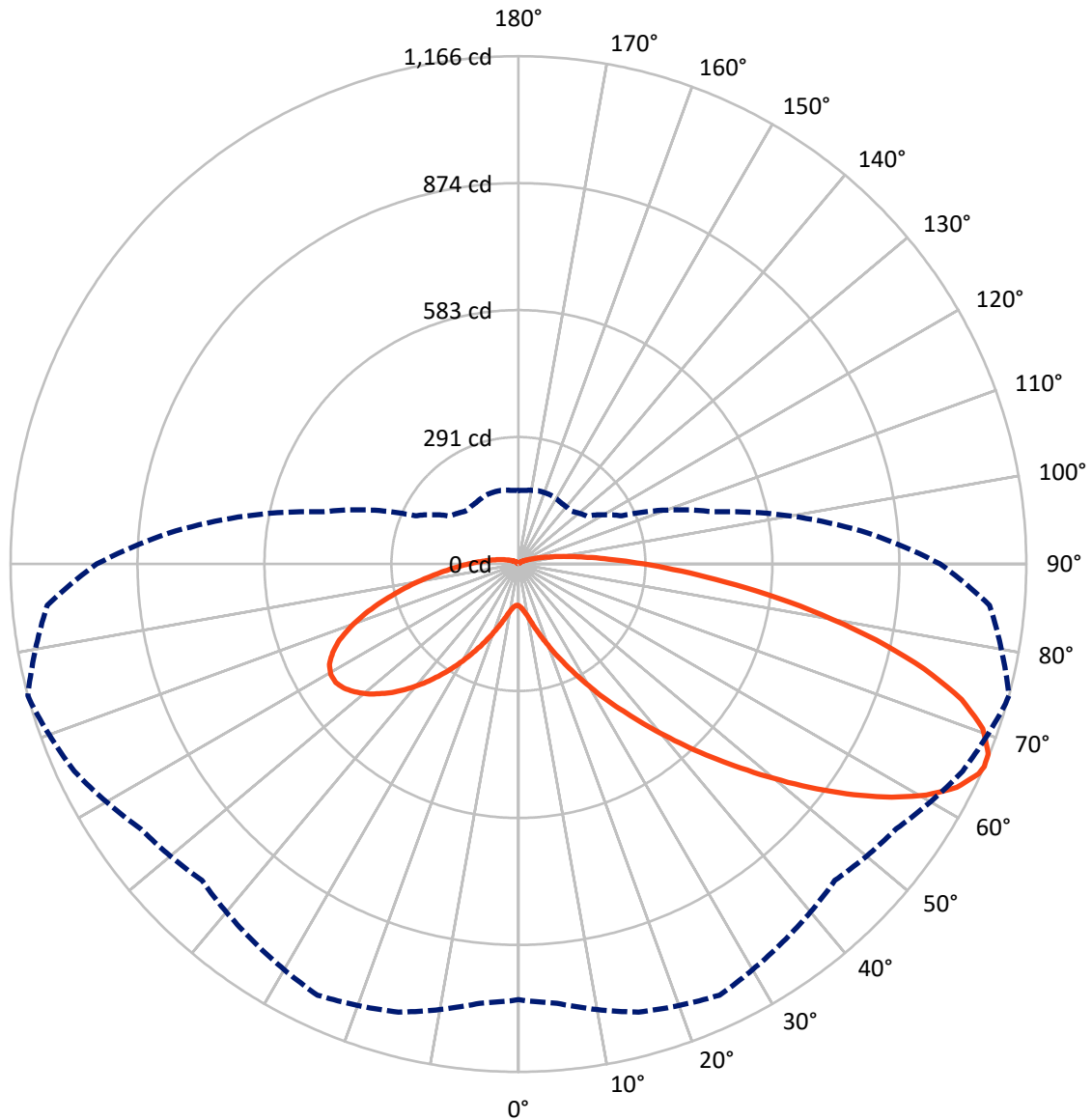


Based on 10 foot mounting height. Maximum calculated value = 3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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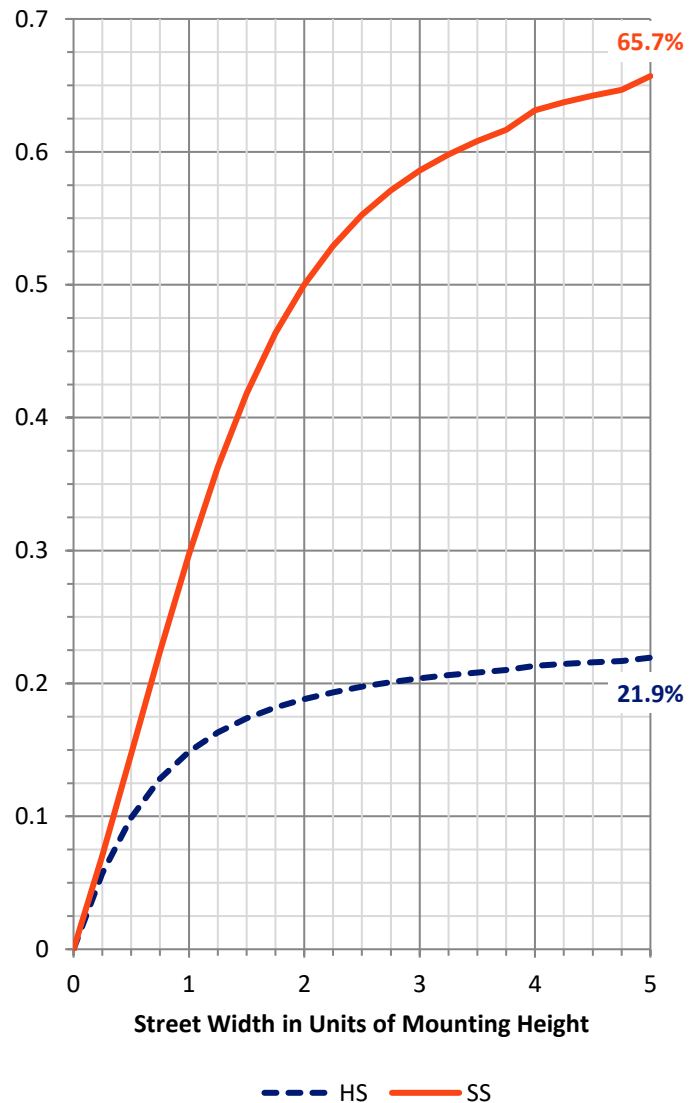
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	711.7	76.7	788.4
	% Fixture	23.2	2.5	25.7
<b>Street Side</b>	Lumens	2134.1	148.8	2282.9
	% Fixture	69.5	4.8	74.3
<b>Total</b>	Lumens	2845.8	225.5	3071.3
	% Fixture	92.7	7.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	42.5	1.4
20°-30°	107.6	3.5
30°-40°	215.3	7.0
40°-50°	366.1	11.9
50°-60°	544.7	17.7
60°-70°	668.9	21.8
70°-80°	575.2	18.7
80°-90°	315.3	10.3
90°-100°	131.6	4.3
100°-110°	53.8	1.8
110°-120°	23.7	0.8
120°-130°	10.8	0.4
130°-140°	4.5	0.1
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2845.8	92.7
0°-180°	3071.3	100.0

**Coefficient of Utilization**



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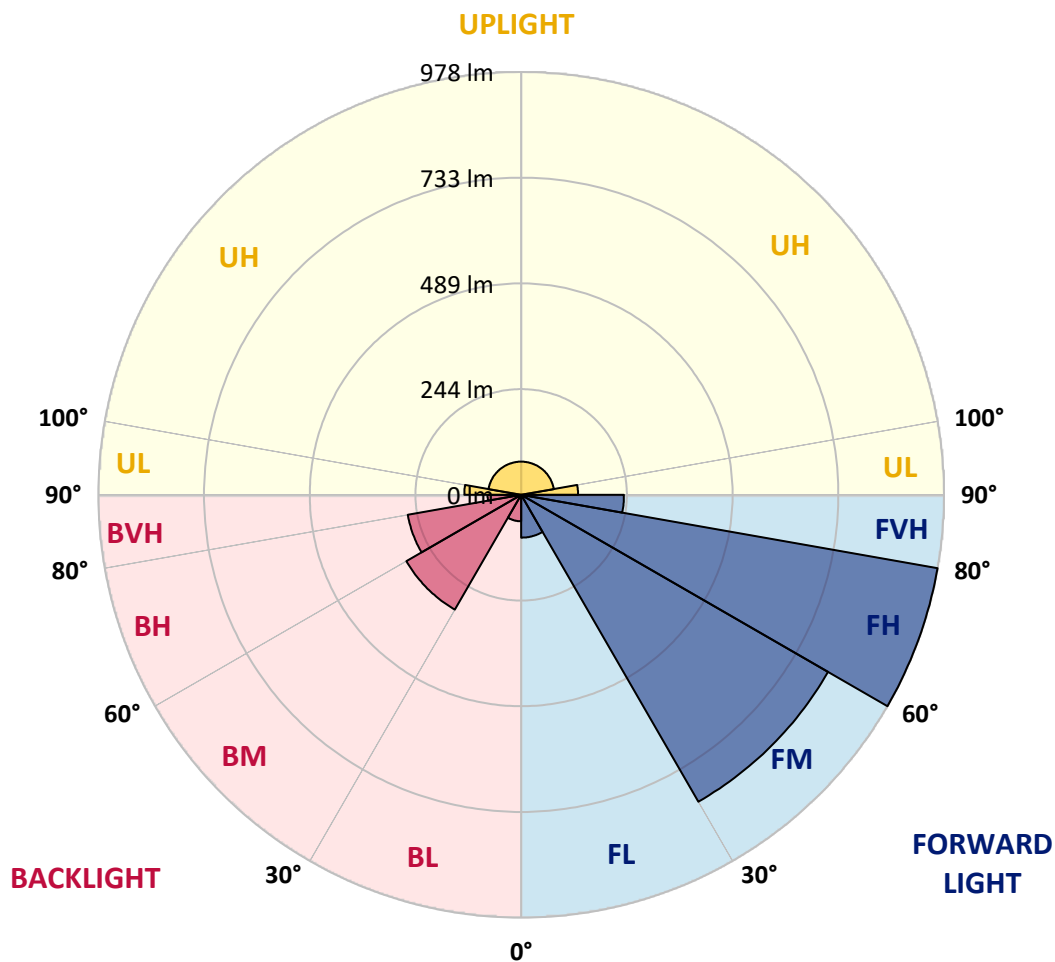
CATALOG NUMBER: LXF.LXT-AF24-30-D-U-T4W-FL-7030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.1	3.2			
FM (30°-60°)	819.5	26.7			
FH (60°-80°)	977.9	31.8			G1/1800
FVH (80°-90°)	237.6	7.7			G3/500
BL (0°-30°)	61.2	2.0	B0/110		
BM (30°-60°)	306.6	10.0	B1/1000		
BH (60°-80°)	266.2	8.7	B1/500		G1/500
BVH (80°-90°)	77.7	2.5			G1/100
UL (90°-100°)	131.6	4.3		U3/500	
UH (100°-180°)	76.7	2.5		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	105.7	105.7	105.2	105.2	104.2	103.0	102.2	100.4	99.2	99.2	97.8
5°	116.8	116.8	116.5	115.7	114.1	112.3	110.2	107.5	105.2	104.9	102.2
7.5°	130.7	130.7	129.9	128.5	126.2	123.6	120.6	116.8	113.5	112.7	108.9
10°	147.9	147.9	146.9	144.5	141.6	138.2	134.1	128.8	124.3	124.0	118.8
12.5°	169.7	168.5	167.8	164.0	159.9	155.4	150.6	144.2	139.8	139.8	132.5
15°	194.4	194.4	191.4	186.5	181.3	175.3	170.0	163.7	158.4	158.0	149.8
17.5°	221.7	221.4	218.0	212.0	204.9	198.9	192.1	184.9	178.9	178.9	169.3
20°	253.2	252.4	247.9	240.1	231.4	224.7	217.2	209.0	202.5	202.5	191.7
22.5°	289.1	287.6	282.0	271.2	262.6	252.8	244.2	235.9	229.2	230.0	217.7
25°	329.5	327.7	320.5	306.7	294.4	282.8	274.1	265.5	260.7	258.8	248.7
27.5°	375.3	371.5	363.7	346.1	328.5	314.2	305.3	298.9	294.4	292.9	281.3
30°	425.4	421.7	410.9	388.8	365.5	347.6	338.9	334.2	331.8	330.0	318.4
32.5°	482.7	478.7	463.7	436.0	406.0	383.5	375.3	373.0	373.0	371.5	359.9
35°	544.8	539.6	521.7	486.9	449.0	422.1	414.2	415.3	415.7	414.5	404.8
37.5°	611.2	605.7	584.2	542.7	495.5	463.3	455.4	460.6	468.1	464.1	453.9
40°	679.4	674.1	651.3	600.7	544.1	506.3	498.4	508.9	520.9	517.6	506.3
42.5°	747.2	744.9	716.0	662.1	596.2	551.6	546.1	562.1	578.6	576.4	564.0
45°	821.0	814.2	786.1	725.8	652.1	604.1	597.7	619.4	641.9	639.7	627.2
47.5°	887.1	880.8	854.3	790.2	708.2	656.1	652.1	681.2	709.7	707.1	694.7
50°	943.0	942.3	919.8	853.6	767.3	710.4	710.0	746.8	781.6	780.8	765.2
52.5°	996.6	995.5	974.8	914.9	826.5	765.2	768.1	816.0	857.5	857.5	836.7
55°	1037.8	1037.4	1025.4	973.4	885.0	825.8	834.4	887.1	934.8	934.8	913.9
57.5°	1066.6	1066.3	1064.7	1025.1	941.2	883.5	896.9	957.2	1008.9	1010.1	982.4
60°	1073.4	1076.8	1091.7	1066.6	991.3	936.0	954.3	1021.7	1074.9	1076.8	1038.9
62.5°	1061.4	1066.6	1097.0	1091.7	1029.6	983.2	1006.0	1075.2	1126.6	1129.5	1077.6
65°	1021.7	1032.5	1078.9	1096.2	1053.5	1017.5	1047.9	1114.1	1156.8	1161.0	1089.9
66°	1000.3	1012.0	1065.1	1092.0	1058.7	1027.2	1059.2	1125.1	1163.3	1165.9	1085.7
67.5°	959.9	971.6	1034.3	1075.9	1058.7	1036.7	1068.4	1132.5	1162.1	1163.3	1071.1
70°	873.0	891.0	961.4	1025.8	1037.0	1031.7	1068.1	1121.3	1134.7	1131.1	1015.3
72.5°	777.5	787.6	864.8	952.4	990.2	1000.3	1041.9	1078.9	1069.9	1064.4	931.4
75°	652.1	666.6	750.9	850.9	908.6	939.6	984.2	997.3	974.8	962.9	821.0
77.5°	544.5	550.5	629.3	731.8	807.9	850.1	892.1	896.3	849.8	839.6	692.4
80°	432.8	438.9	511.3	609.6	692.0	747.9	784.6	773.8	715.3	705.6	572.6
82.5°	338.1	346.5	401.8	495.8	575.6	634.5	662.5	644.9	589.5	575.6	456.1
85°	259.5	263.7	315.3	396.3	466.6	520.2	543.4	523.9	464.4	453.5	358.4
87.5°	197.8	201.9	245.8	309.3	371.5	417.2	435.2	410.5	362.2	355.0	278.3
90°	150.9	153.9	188.8	243.4	291.4	329.2	341.6	322.1	279.0	272.6	214.2
92.5°	115.7	118.3	145.4	188.8	228.1	260.2	265.5	247.2	213.8	208.2	164.8
95°	88.7	91.8	113.5	147.6	178.3	202.5	206.4	190.6	164.0	159.5	127.0
97.5°	69.7	70.8	89.1	116.8	141.9	158.8	160.3	148.3	125.4	122.5	97.8
100°	55.8	56.6	70.8	92.6	113.1	125.4	126.2	113.8	96.2	94.0	75.0
102.5°	45.4	46.1	57.0	74.6	89.9	100.0	99.7	89.9	74.6	71.6	58.5
105°	37.4	37.8	46.4	60.6	72.9	79.8	79.4	70.0	57.3	55.4	45.7
107.5°	31.4	31.8	38.2	49.3	59.9	65.5	64.5	55.0	44.6	43.4	36.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	26.6	27.0	31.8	41.2	50.6	54.3	52.8	43.8	35.2	33.7	29.2
112.5°	23.3	23.3	27.0	34.4	42.3	45.7	43.4	35.6	27.8	27.0	23.9
115°	20.2	20.6	23.3	29.2	35.9	38.2	35.9	28.5	22.5	21.8	19.8
117.5°	18.0	18.0	20.2	24.7	30.4	31.8	29.6	23.3	18.3	18.0	16.8
120°	16.1	16.1	17.6	21.0	25.4	27.0	24.7	19.1	15.0	14.6	14.2
122.5°	14.6	14.6	15.4	18.0	21.8	22.5	20.2	15.8	12.8	12.3	12.3
125°	13.1	13.1	13.4	15.4	18.3	19.1	16.8	12.8	10.8	10.5	10.5
127.5°	12.0	12.0	12.0	13.4	15.0	15.8	13.8	10.5	9.0	9.0	9.4
130°	10.8	10.8	10.8	11.3	12.3	12.8	11.3	8.6	7.8	7.8	7.8
132.5°	9.8	9.8	9.4	9.8	10.2	10.2	8.6	7.1	6.8	6.8	7.1
135°	8.6	8.6	8.2	8.2	8.2	7.8	6.8	5.6	5.6	5.6	6.0
137.5°	7.5	7.5	7.1	6.8	6.3	5.6	4.9	4.5	4.5	4.5	4.9
140°	6.3	6.3	6.0	5.3	4.5	4.2	3.4	3.4	3.8	3.8	3.8
142.5°	4.9	4.9	4.5	4.2	3.4	2.6	2.3	2.3	2.6	2.6	2.9
145°	3.8	3.8	3.4	2.6	1.8	1.5	1.1	1.5	1.8	1.8	2.3
147.5°	2.6	2.6	2.3	1.8	1.1	0.3	0.8	1.1	1.5	1.5	1.8
150°	1.5	1.5	1.1	0.8	0.0	0.0	0.3	0.8	1.1	1.1	1.1
152.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.8	0.8	0.8
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
2.5°	97.0	96.2	94.7	93.6	92.1	91.3	90.6	89.9	89.5	88.7	88.7
5°	100.4	99.2	96.5	94.4	91.8	89.9	88.1	86.9	86.1	85.8	85.8
7.5°	106.7	104.9	100.7	97.4	93.6	91.3	89.1	86.9	85.8	85.4	85.4
10°	115.7	113.5	107.8	103.0	98.2	94.7	92.6	89.9	88.7	88.1	88.1
12.5°	128.8	125.1	118.3	111.2	104.9	100.7	97.8	95.8	95.8	96.5	96.2
15°	145.4	141.2	131.4	122.5	113.8	108.2	106.3	106.0	106.0	106.3	106.3
17.5°	163.3	157.7	146.4	134.8	124.7	119.1	116.8	116.2	116.2	116.5	117.2
20°	184.9	177.9	163.7	148.7	137.7	131.1	127.8	126.6	127.3	128.8	128.8
22.5°	210.1	202.2	183.1	164.0	151.4	142.7	138.5	137.4	139.0	140.8	141.2
25°	239.0	228.5	204.6	181.0	164.4	153.5	149.4	147.9	150.2	152.4	153.5
27.5°	270.8	257.3	227.7	197.8	176.0	162.9	158.4	158.0	161.0	164.0	165.2
30°	305.9	289.5	252.4	215.3	188.0	171.1	166.3	167.3	170.8	174.5	175.3
32.5°	344.9	325.5	278.3	232.6	197.3	177.5	171.9	174.5	178.6	183.5	184.2
35°	387.3	363.7	305.6	248.7	205.6	182.4	176.8	180.2	184.6	189.9	190.6
37.5°	433.3	404.5	332.9	262.9	212.0	185.4	179.4	183.5	188.8	193.6	194.4
40°	481.3	446.8	360.2	275.7	216.5	187.3	180.5	184.9	190.2	194.1	194.7
42.5°	535.6	492.4	386.9	285.7	219.1	187.6	180.5	184.6	189.9	192.6	192.9
45°	593.3	540.9	413.1	294.0	220.2	187.3	179.4	183.9	188.0	189.1	189.4
47.5°	653.2	590.2	436.7	298.9	220.2	185.7	177.9	181.3	184.6	184.2	184.6
50°	719.8	641.9	458.8	301.9	218.7	183.9	176.4	178.9	181.3	179.4	179.7
52.5°	782.8	693.2	476.7	302.9	216.2	181.6	175.0	177.1	178.3	175.7	175.7
55°	845.2	741.6	491.3	300.7	212.7	179.7	173.7	176.0	176.0	172.6	172.6
57.5°	903.3	782.8	499.7	296.2	208.5	178.3	173.0	175.3	175.3	170.8	170.8
60°	948.3	812.4	500.0	289.1	203.8	176.4	172.6	175.3	175.0	170.5	170.0
62.5°	975.5	825.5	491.3	279.0	198.9	174.5	172.3	175.0	175.0	170.0	169.7
65°	975.5	816.8	472.6	267.0	193.3	172.3	171.5	175.0	174.2	169.7	169.0
66°	968.1	807.4	462.5	261.7	191.4	171.5	171.1	175.0	174.2	169.7	168.5
67.5°	947.5	785.0	446.0	253.2	186.9	169.7	170.5	173.7	173.4	168.5	167.8
70°	887.6	726.9	410.5	237.8	180.2	166.3	168.2	171.1	170.8	166.3	164.8
72.5°	799.6	650.5	370.1	221.4	172.6	161.8	164.0	167.0	166.3	162.6	161.0
75°	695.9	564.0	326.2	203.8	163.7	155.8	158.4	161.0	160.3	156.9	154.7
77.5°	583.9	474.8	282.8	185.4	154.3	148.3	150.9	153.5	152.1	149.0	147.6
80°	474.0	388.8	241.6	167.0	143.4	139.8	142.4	143.0	141.9	139.3	137.4
82.5°	378.2	312.7	202.5	149.0	131.8	129.6	131.4	131.4	130.3	127.8	125.8
85°	296.9	249.4	170.5	131.1	120.1	118.8	119.8	118.8	117.2	114.6	113.1
87.5°	234.1	200.0	142.7	115.4	107.5	107.1	107.5	104.9	103.4	101.1	99.7
90°	182.8	156.9	119.1	100.4	95.8	95.5	94.7	92.1	88.7	86.6	85.4
92.5°	142.7	126.2	98.5	85.8	83.5	83.1	82.1	78.6	76.4	73.4	72.3
95°	113.1	100.7	81.6	74.2	72.9	72.6	71.1	67.4	64.5	61.4	60.6
97.5°	88.7	79.8	68.2	63.7	63.3	63.0	61.0	57.0	53.5	50.6	50.1
100°	69.7	64.0	57.0	54.6	54.6	54.3	52.5	48.3	44.1	41.2	40.9
102.5°	55.4	51.7	47.5	46.8	46.8	46.4	44.6	41.2	36.3	33.0	33.0
105°	44.1	41.9	39.7	40.1	40.4	40.1	38.2	34.1	29.2	26.6	26.6
107.5°	35.6	34.1	33.4	34.1	34.4	34.4	32.6	28.1	23.6	21.3	21.3



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	28.9	28.1	28.1	28.9	29.6	29.6	27.4	23.6	19.1	17.3	17.3
112.5°	23.6	23.3	23.6	25.1	25.4	25.1	23.3	19.4	15.4	14.2	14.2
115°	19.8	19.8	20.2	21.3	22.1	21.3	19.4	15.8	12.3	11.6	11.6
117.5°	16.8	16.8	17.3	18.3	18.7	18.0	16.1	12.8	10.2	9.8	9.8
120°	14.2	14.2	14.6	15.4	15.8	15.0	13.1	10.5	8.2	7.8	8.2
122.5°	12.3	12.3	12.8	13.1	13.4	12.8	10.8	8.2	6.8	6.8	6.8
125°	10.8	10.8	10.8	11.3	11.3	10.5	9.0	6.8	5.3	5.6	5.6
127.5°	9.4	9.4	9.4	9.4	9.4	8.6	7.1	5.3	4.5	4.9	4.9
130°	8.2	8.2	7.8	7.8	7.5	7.1	5.6	4.2	3.8	4.2	4.2
132.5°	7.1	7.1	6.8	6.3	6.0	5.6	4.5	2.9	2.9	3.4	3.4
135°	6.0	6.0	5.6	5.3	4.9	4.2	2.9	2.3	2.3	2.6	2.6
137.5°	4.9	4.9	4.5	4.2	3.4	2.9	2.3	1.5	1.8	2.3	2.3
140°	3.8	3.8	3.4	2.9	2.3	1.5	1.1	1.1	1.1	1.5	1.5
142.5°	2.9	2.9	2.6	1.8	1.1	0.8	0.3	0.3	0.8	1.1	1.1
145°	2.3	2.3	1.8	1.5	0.8	0.3	0.0	0.0	0.3	0.3	0.3
147.5°	1.8	1.5	1.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.1	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.3	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)