

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: P255120

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T3-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255120  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2365 lumens  
Efficiency: N/A  
Efficacy: 112.6 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 - U2 - G2

Input Watts (W): 21  
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

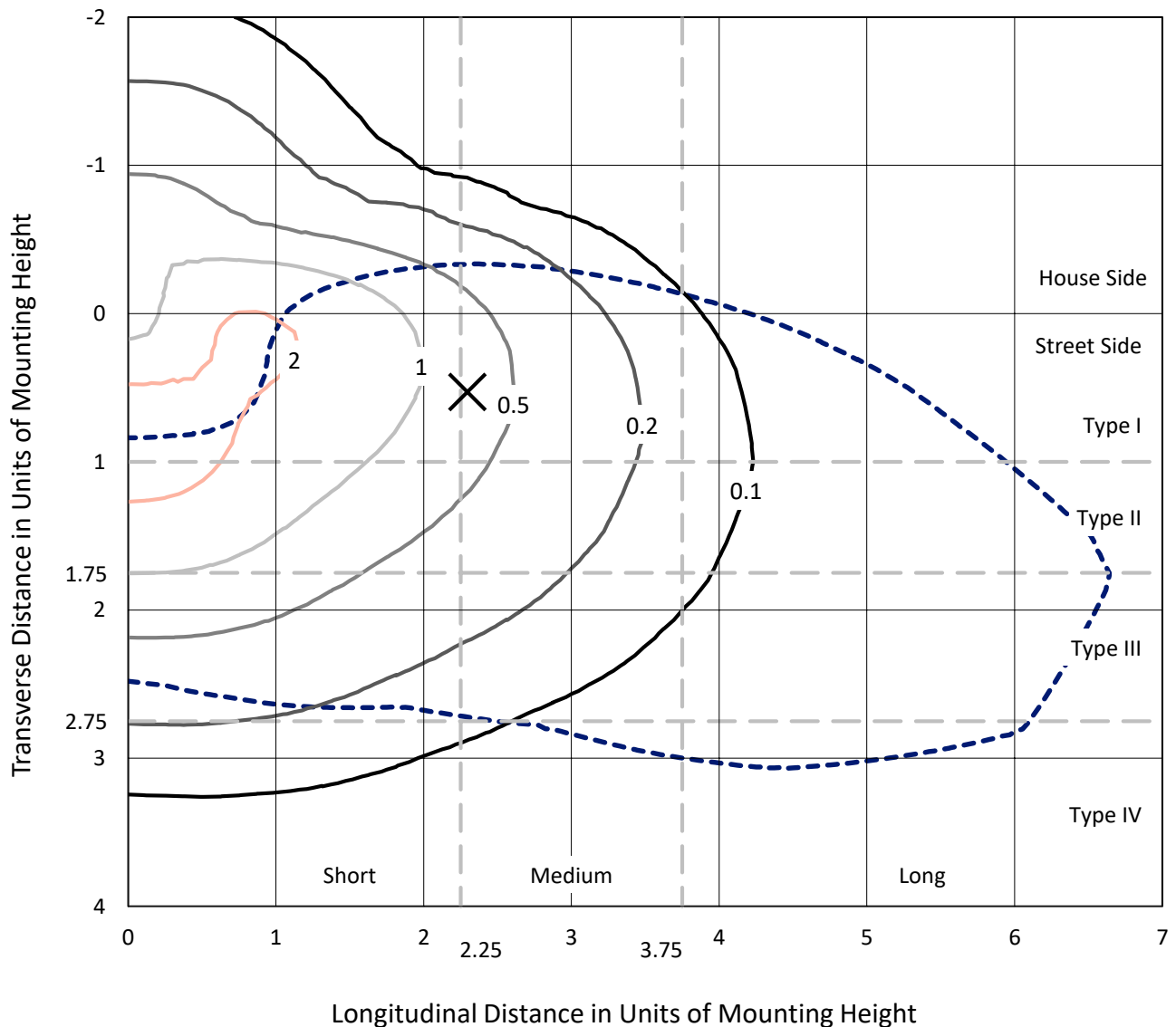


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### Iso-Footcandle Lines of Horizontal Illumination

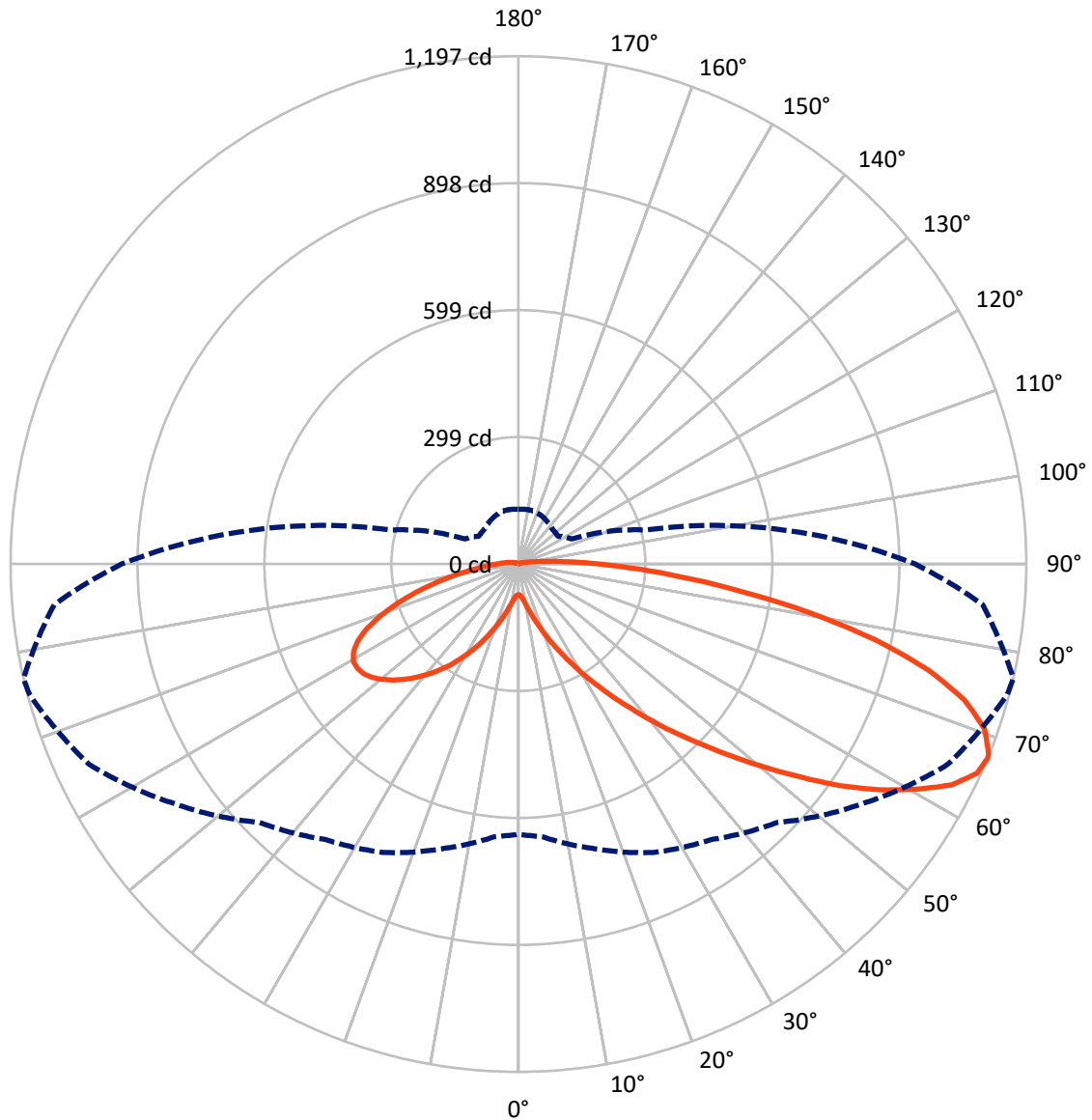
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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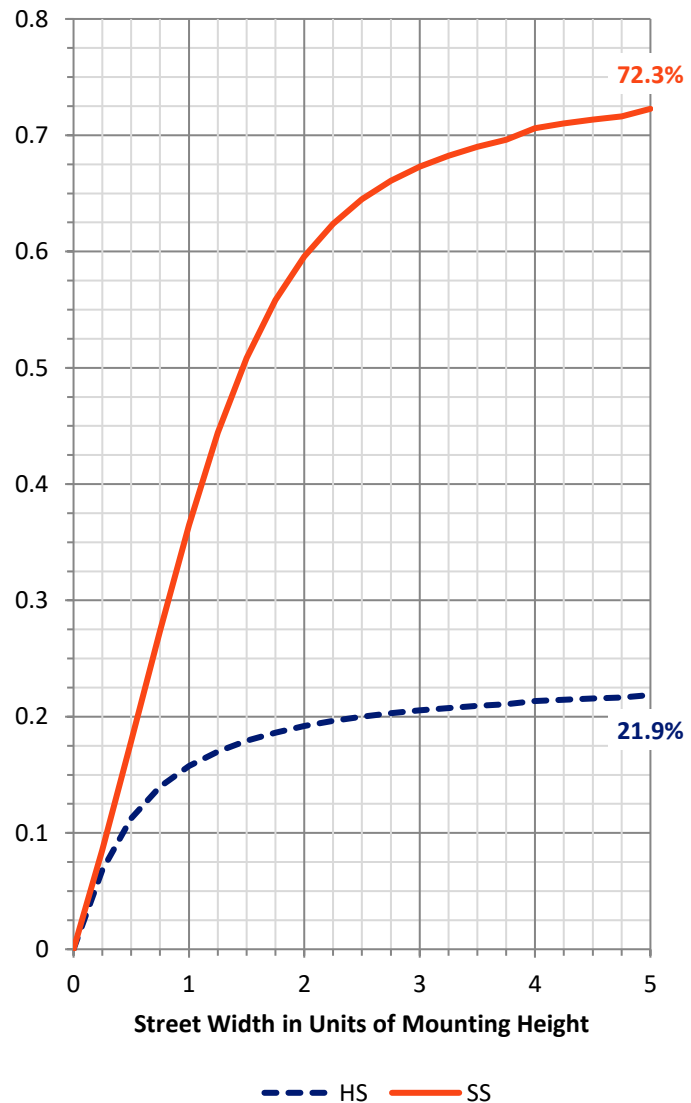
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	540.0	32.6	572.6
	% Fixture	22.8	1.4	24.2
<b>Street Side</b>	Lumens	1753.5	38.9	1792.4
	% Fixture	74.1	1.6	75.8
<b>Total</b>	Lumens	2293.6	71.5	2365.0
	% Fixture	97.0	3.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.3
10°-20°	35.0	1.5
20°-30°	92.0	3.9
30°-40°	188.0	8.0
40°-50°	325.9	13.8
50°-60°	483.4	20.4
60°-70°	561.0	23.7
70°-80°	423.8	17.9
80°-90°	176.6	7.5
90°-100°	46.8	2.0
100°-110°	15.2	0.6
110°-120°	6.0	0.3
120°-130°	2.3	0.1
130°-140°	0.9	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2293.6	97.0
0°-180°	2365.0	100.0



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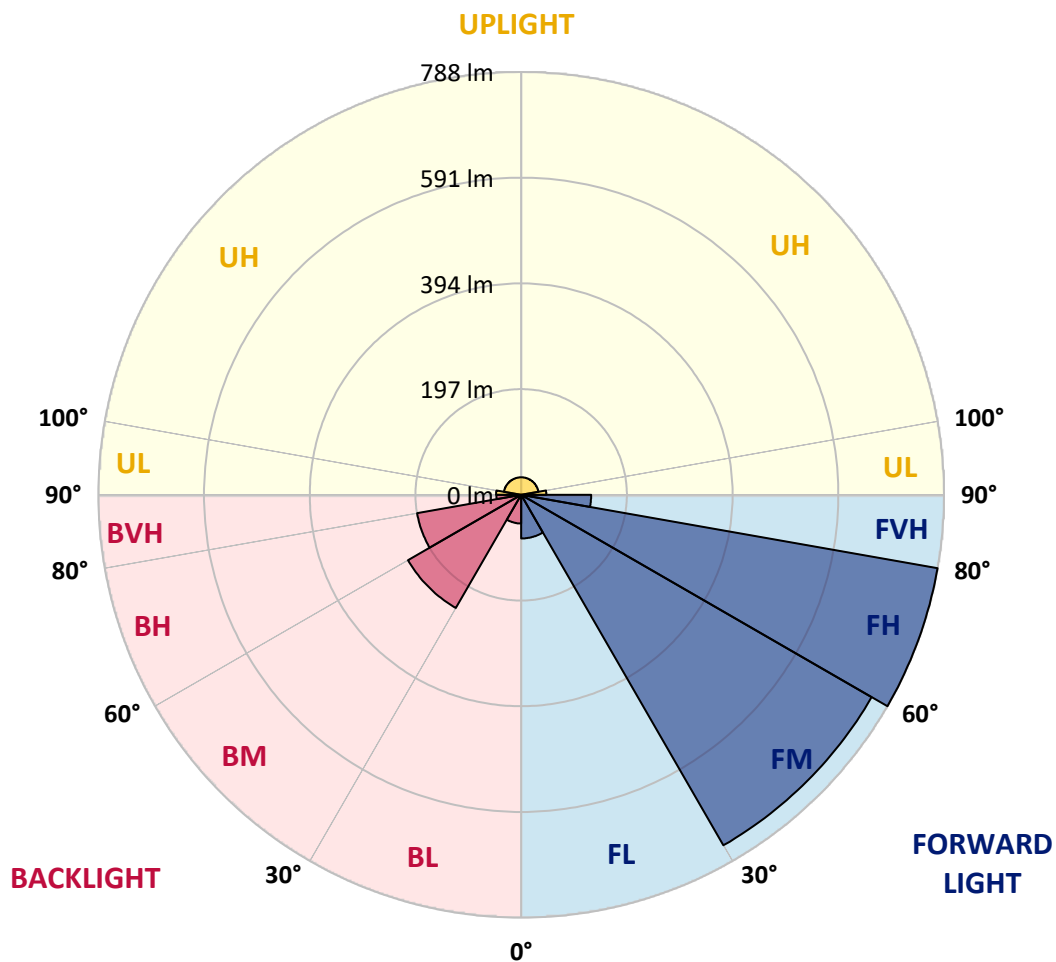
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	81.3	3.4			
FM (30°-60°)	753.9	31.9			
FH (60°-80°)	787.9	33.3			G1/1800
FVH (80°-90°)	130.4	5.5			G2/225
BL (0°-30°)	53.5	2.3	B0/110		
BM (30°-60°)	243.5	10.3	B1/1000		
BH (60°-80°)	196.9	8.3	B1/500		G1/500
BVH (80°-90°)	46.2	2.0			G1/100
UL (90°-100°)	46.8	2.0		U2/50	
UH (100°-180°)	32.6	1.4		U2/50	

**BUG Rating: B1-U2-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	75.9	75.9	76.5	76.2	76.2	75.7	75.4	74.6	74.0	74.0	73.7
5°	81.6	81.6	81.8	82.1	81.6	81.3	80.5	79.4	78.5	78.5	77.9
7.5°	90.0	90.0	89.8	90.0	89.8	89.2	88.1	87.6	85.8	86.1	85.3
10°	102.2	102.2	101.7	102.2	100.8	100.2	99.4	98.5	96.6	97.1	95.7
12.5°	119.4	119.4	118.9	118.0	116.0	114.9	114.4	113.8	112.1	112.3	110.7
15°	140.0	139.7	139.2	138.1	134.9	133.5	132.2	131.2	129.9	130.4	128.8
17.5°	164.3	163.8	161.7	160.1	157.0	154.7	152.7	151.9	150.2	150.5	148.2
20°	192.3	191.7	189.1	186.6	182.1	179.0	177.1	175.0	173.4	175.0	170.8
22.5°	225.4	225.9	220.5	216.6	209.8	205.8	203.3	201.6	199.9	201.3	196.5
25°	263.1	262.9	257.0	251.9	242.2	235.5	231.8	230.7	229.9	231.0	227.6
27.5°	306.6	305.5	299.0	288.3	277.5	267.1	262.3	263.1	262.9	263.7	260.3
30°	354.9	354.4	345.3	330.0	315.9	301.8	297.3	297.1	299.5	301.3	294.5
32.5°	408.3	408.9	396.7	377.0	356.0	340.5	336.2	336.9	340.2	339.9	334.8
35°	467.3	467.3	454.6	429.7	402.0	382.0	377.2	382.6	384.5	385.1	377.5
37.5°	530.2	529.4	517.5	485.3	453.7	427.5	419.0	425.8	433.4	432.5	424.6
40°	597.7	595.5	579.9	544.1	505.6	474.0	464.4	474.9	485.9	486.5	476.9
42.5°	662.1	660.1	644.0	605.6	559.6	527.1	516.4	527.9	543.8	545.2	527.9
45°	722.5	722.2	707.6	668.0	617.8	580.2	569.5	584.7	606.7	606.7	588.7
47.5°	779.5	776.1	766.5	727.0	679.5	635.3	624.8	646.0	676.5	677.3	656.1
50°	823.3	821.0	816.2	780.4	732.1	692.0	682.4	714.0	749.6	752.7	726.7
52.5°	853.6	851.2	854.9	827.0	783.5	747.9	744.5	783.8	830.0	835.1	804.1
55°	865.3	866.2	878.1	859.7	825.3	797.1	809.2	857.7	912.5	922.4	881.8
57.5°	859.5	861.9	882.9	878.9	854.9	836.6	868.5	929.5	995.2	1004.5	958.0
60°	828.4	833.7	864.5	874.9	865.9	871.9	921.0	1002.0	1073.7	1078.0	1031.1
62.5°	777.9	783.8	824.2	851.2	857.1	884.5	959.4	1063.1	1139.0	1146.3	1078.0
65°	706.1	714.6	759.4	806.6	830.3	880.7	984.5	1102.5	1180.5	1188.1	1101.7
67°	636.7	645.2	694.8	750.4	792.8	861.9	986.5	1117.2	1192.6	1197.2	1098.5
67.5°	617.8	626.6	676.2	734.4	780.9	854.7	984.8	1118.6	1192.6	1195.4	1094.4
70°	514.4	526.0	576.5	643.4	705.0	803.8	959.9	1100.8	1171.4	1166.1	1042.7
72.5°	406.8	417.6	467.0	537.9	608.5	727.0	904.1	1048.3	1107.0	1100.6	957.7
75°	304.1	313.1	360.6	429.4	504.2	626.3	816.5	963.0	1004.5	997.8	840.3
77.5°	217.7	225.0	266.0	329.2	398.3	516.4	698.8	842.2	868.2	860.3	697.7
80°	149.7	158.4	187.7	244.2	303.5	404.1	563.5	686.1	704.2	695.9	545.2
82.5°	98.8	103.6	129.6	175.3	224.7	306.4	430.9	532.2	547.7	527.9	404.3
85°	64.3	65.5	85.3	120.6	162.0	222.5	315.9	391.1	398.1	383.4	287.7
87.5°	39.5	41.2	55.0	79.1	111.8	156.7	223.3	273.3	274.5	262.6	194.3
90°	25.4	26.5	35.3	51.4	75.9	106.7	150.5	181.6	180.7	171.3	124.0
92.5°	17.5	18.1	24.6	35.3	49.4	70.3	96.6	114.7	112.9	107.6	78.3
95°	12.7	13.3	18.1	25.7	34.5	46.3	60.1	69.5	67.5	64.1	49.1
97.5°	9.3	9.9	13.8	19.4	25.7	31.9	38.7	41.5	40.9	39.3	32.7
100°	7.1	7.7	10.7	15.2	20.0	23.7	27.1	27.4	26.5	26.0	23.7
102.5°	5.9	6.2	8.8	12.7	16.4	18.9	20.4	20.0	18.9	18.6	17.5
105°	5.1	5.3	7.7	10.7	13.5	15.9	16.4	15.5	14.1	13.8	13.3
107.5°	4.5	4.5	6.4	9.3	11.9	13.3	13.5	12.2	10.4	10.1	9.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	4.0	4.0	5.6	7.9	10.1	11.3	11.3	9.6	7.4	7.1	7.4
112.5°	3.4	3.7	4.8	6.8	8.8	9.6	9.3	7.7	5.3	5.1	5.3
115°	3.1	3.1	4.2	5.9	7.4	8.2	7.7	5.6	4.0	3.7	4.0
117.5°	2.9	2.9	3.7	5.1	6.2	6.8	6.2	4.5	2.9	2.9	3.1
120°	2.6	2.6	3.1	4.2	5.3	5.6	4.8	3.4	2.3	2.3	2.6
122.5°	2.3	2.3	2.9	3.7	4.5	4.5	4.0	2.6	1.7	1.7	1.9
125°	1.9	2.3	2.6	3.1	3.7	3.7	3.1	1.9	1.4	1.7	1.9
127.5°	1.9	1.9	2.3	2.6	3.1	3.1	2.6	1.4	1.4	1.4	1.7
130°	1.7	1.7	1.9	2.3	2.6	2.6	1.9	1.1	1.4	1.4	1.7
132.5°	1.7	1.7	1.7	1.9	1.9	1.9	1.4	1.1	1.1	1.4	1.4
135°	1.4	1.4	1.4	1.7	1.7	1.4	0.8	0.8	1.1	1.1	1.4
137.5°	1.1	1.1	1.4	1.1	1.1	1.1	0.8	0.8	1.1	1.1	1.1
140°	1.1	1.1	1.1	0.8	0.8	0.6	0.6	0.8	0.8	1.1	1.1
142.5°	0.6	0.8	0.8	0.6	0.6	0.3	0.6	0.6	0.8	0.8	0.8
145°	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.6	0.6	0.8	0.8
147.5°	0.0	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.6	0.6	0.6
150°	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.6	0.6	0.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0
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°	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2.5°	73.4	73.1	72.3	71.7	71.4	71.2	70.9	70.6	70.6	70.6	70.6
5°	77.3	77.0	75.7	74.6	73.7	72.8	72.3	71.7	71.4	71.2	70.9
7.5°	84.4	83.6	81.8	79.9	77.9	76.2	75.1	74.6	73.7	73.4	73.1
10°	94.8	94.0	90.9	87.6	84.4	81.8	79.9	78.8	78.3	77.6	77.6
12.5°	109.3	108.7	103.3	99.1	93.2	89.2	87.0	86.1	85.8	85.3	85.5
15°	126.4	125.3	118.3	111.8	103.9	99.1	95.7	94.3	93.7	92.9	93.2
17.5°	146.3	142.6	134.4	124.5	114.9	108.9	104.4	101.9	101.1	100.6	100.8
20°	168.0	164.3	151.9	137.8	126.2	118.6	112.3	109.3	108.1	108.1	108.1
22.5°	193.1	188.3	171.1	152.2	137.0	126.2	119.2	116.0	114.9	114.9	115.2
25°	221.9	214.0	192.0	167.5	147.1	132.7	125.3	121.9	121.1	121.1	121.4
27.5°	253.3	242.5	213.5	181.3	154.5	137.2	129.3	126.4	125.9	125.9	126.2
30°	287.4	273.3	235.5	193.6	160.1	140.0	131.6	129.3	129.0	129.3	129.3
32.5°	323.6	307.5	257.2	204.1	163.8	141.5	133.0	131.6	131.2	131.9	131.2
35°	362.8	341.4	279.0	212.6	166.0	141.8	133.5	132.7	132.7	132.4	132.2
37.5°	405.2	376.7	299.0	218.8	166.0	141.2	133.3	133.0	133.0	132.4	131.9
40°	453.7	415.0	317.6	222.5	164.3	139.4	132.7	132.7	132.4	131.2	130.7
42.5°	500.8	454.8	335.4	223.0	161.5	137.2	131.9	132.4	131.9	129.6	129.0
45°	553.4	498.1	351.2	222.2	157.5	134.9	131.0	132.2	131.0	128.2	127.7
47.5°	614.4	544.6	365.1	218.8	152.4	132.4	129.9	131.2	130.7	127.4	126.7
50°	677.1	591.2	376.0	214.0	147.4	130.1	129.0	131.0	130.4	126.7	126.2
52.5°	742.6	639.4	384.0	206.4	142.0	127.9	128.2	130.7	130.7	127.1	126.4
55°	807.5	683.2	387.7	196.8	136.4	125.9	127.4	130.7	131.6	127.9	127.4
57.5°	867.4	718.5	385.7	185.8	131.0	123.7	126.7	130.4	132.2	128.8	128.2
60°	917.3	749.6	377.2	173.9	126.4	121.7	125.9	130.4	132.4	129.9	129.3
62.5°	947.8	760.7	360.0	161.2	121.9	119.4	124.5	129.9	132.2	130.1	129.6
65°	953.7	752.2	335.4	149.0	117.7	116.9	122.2	128.2	131.2	130.1	129.3
67°	935.1	727.0	309.7	139.4	114.1	114.4	120.3	126.4	130.1	129.9	128.8
67.5°	926.9	717.7	303.2	137.0	113.5	113.5	119.7	125.9	129.9	129.6	128.8
70°	872.2	661.8	266.0	125.1	108.9	109.9	116.0	123.1	127.4	127.7	127.1
72.5°	784.9	583.6	228.4	113.8	103.9	105.1	111.2	118.3	123.1	123.7	122.9
75°	670.0	491.5	191.2	103.6	98.2	99.1	105.3	112.1	117.1	118.0	117.1
77.5°	553.9	393.3	156.1	94.0	91.5	92.9	98.2	104.4	109.3	109.9	109.3
80°	423.8	298.4	124.5	85.0	84.1	85.5	90.0	95.4	99.6	100.2	99.6
82.5°	311.2	218.8	98.5	75.9	75.7	77.0	80.7	85.8	89.2	89.5	88.7
85°	221.9	154.5	78.5	66.1	66.6	67.2	70.6	74.6	77.3	77.6	75.9
87.5°	148.8	105.3	61.3	56.8	57.3	57.3	59.3	62.7	64.7	64.3	62.9
90°	97.1	71.7	49.4	48.3	48.6	48.6	49.4	51.7	53.4	52.5	51.7
92.5°	62.7	50.2	40.6	41.2	41.2	40.6	40.9	42.7	43.5	42.7	42.0
95°	42.7	37.0	33.9	34.7	35.0	33.9	33.9	34.7	35.3	34.2	33.3
97.5°	30.8	28.5	27.9	29.4	29.1	28.2	27.6	27.9	28.2	26.8	26.3
100°	23.1	22.6	22.9	24.6	24.2	23.4	22.9	22.6	22.3	20.9	20.6
102.5°	18.1	17.8	18.9	20.4	20.0	19.2	18.6	18.3	17.8	16.1	16.1
105°	13.8	14.1	15.5	17.0	16.7	16.1	15.5	14.9	13.8	12.4	12.4
107.5°	10.4	11.0	12.7	14.1	13.8	13.3	12.7	12.2	10.7	9.6	9.6



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CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.9	8.5	10.1	11.6	11.3	11.0	10.4	9.6	8.2	7.4	7.1
112.5°	5.9	6.4	8.2	9.3	9.3	9.0	8.5	7.7	6.2	5.6	5.3
115°	4.5	5.1	6.4	7.4	7.4	7.1	6.8	5.9	4.5	4.2	4.2
117.5°	3.7	4.0	5.1	5.9	5.9	5.6	5.3	4.5	3.4	3.4	3.4
120°	2.9	3.1	4.0	4.5	4.5	4.2	4.0	3.4	2.6	2.6	2.6
122.5°	2.6	2.6	3.1	3.7	3.4	3.4	3.1	2.6	1.9	1.9	1.9
125°	1.9	2.3	2.6	2.9	2.6	2.6	2.3	1.9	1.7	1.7	1.7
127.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.4	1.1	1.4	1.4
130°	1.7	1.7	1.7	1.7	1.4	1.4	1.1	0.8	0.8	1.1	1.1
132.5°	1.7	1.7	1.7	1.4	1.1	0.8	0.8	0.6	0.8	0.8	0.8
135°	1.4	1.4	1.4	1.1	0.8	0.6	0.3	0.3	0.6	0.6	0.6
137.5°	1.4	1.4	1.1	1.1	0.8	0.3	0.0	0.3	0.3	0.3	0.3
140°	1.1	1.1	1.1	0.8	0.6	0.3	0.0	0.0	0.3	0.3	0.0
142.5°	1.1	1.1	0.8	0.6	0.3	0.0	0.0	0.0	0.3	0.0	0.0
145°	0.8	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.8	0.8	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.3	0.3	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°	0.0	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)