

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: P255282

Luminaire Tested: **LXF.LXT-AF24-20-D-U-T2U-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
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-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2374.3 lumens  
Efficiency: N/A  
Efficacy: 113.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B1 - U2 - G1

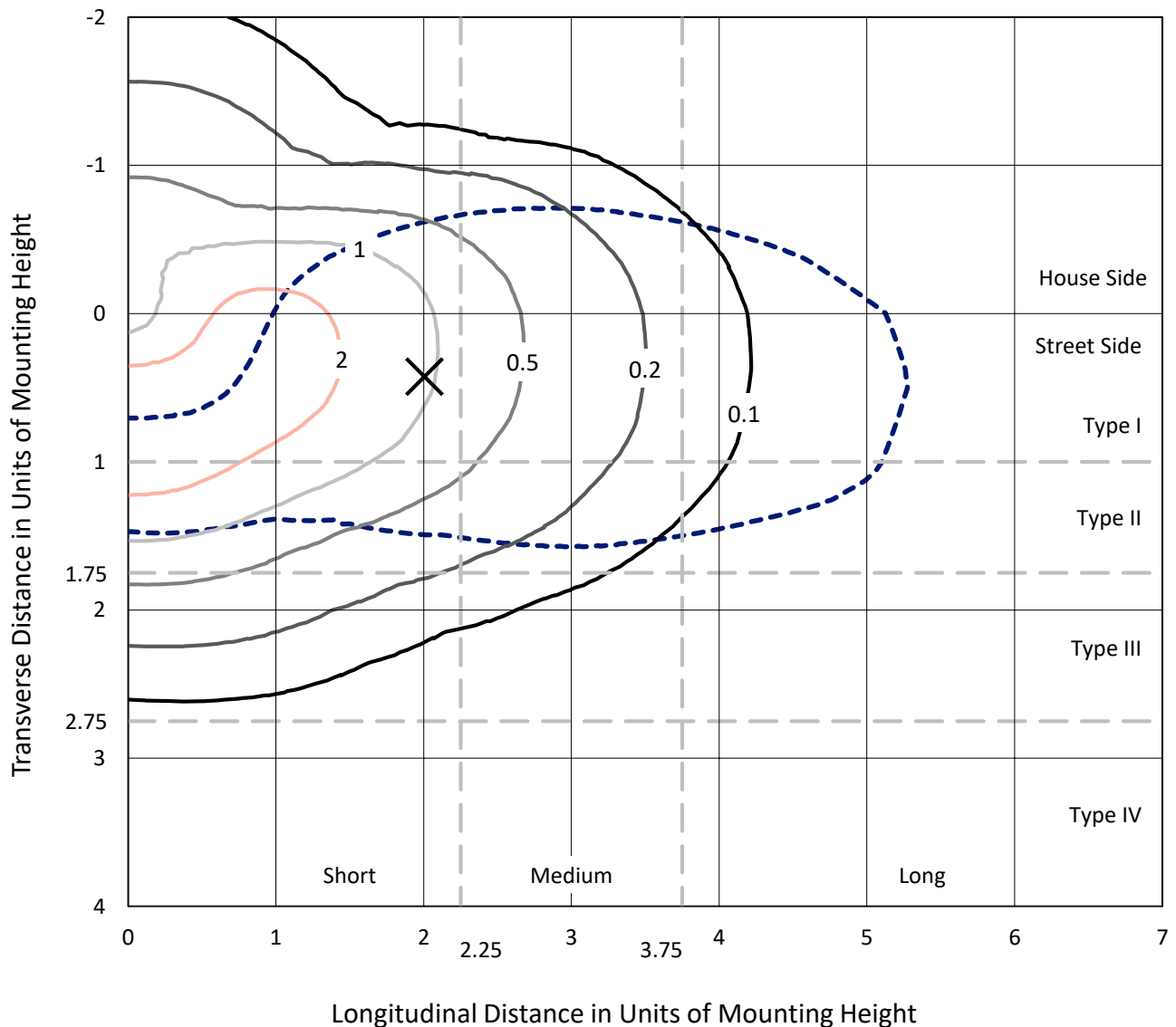
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

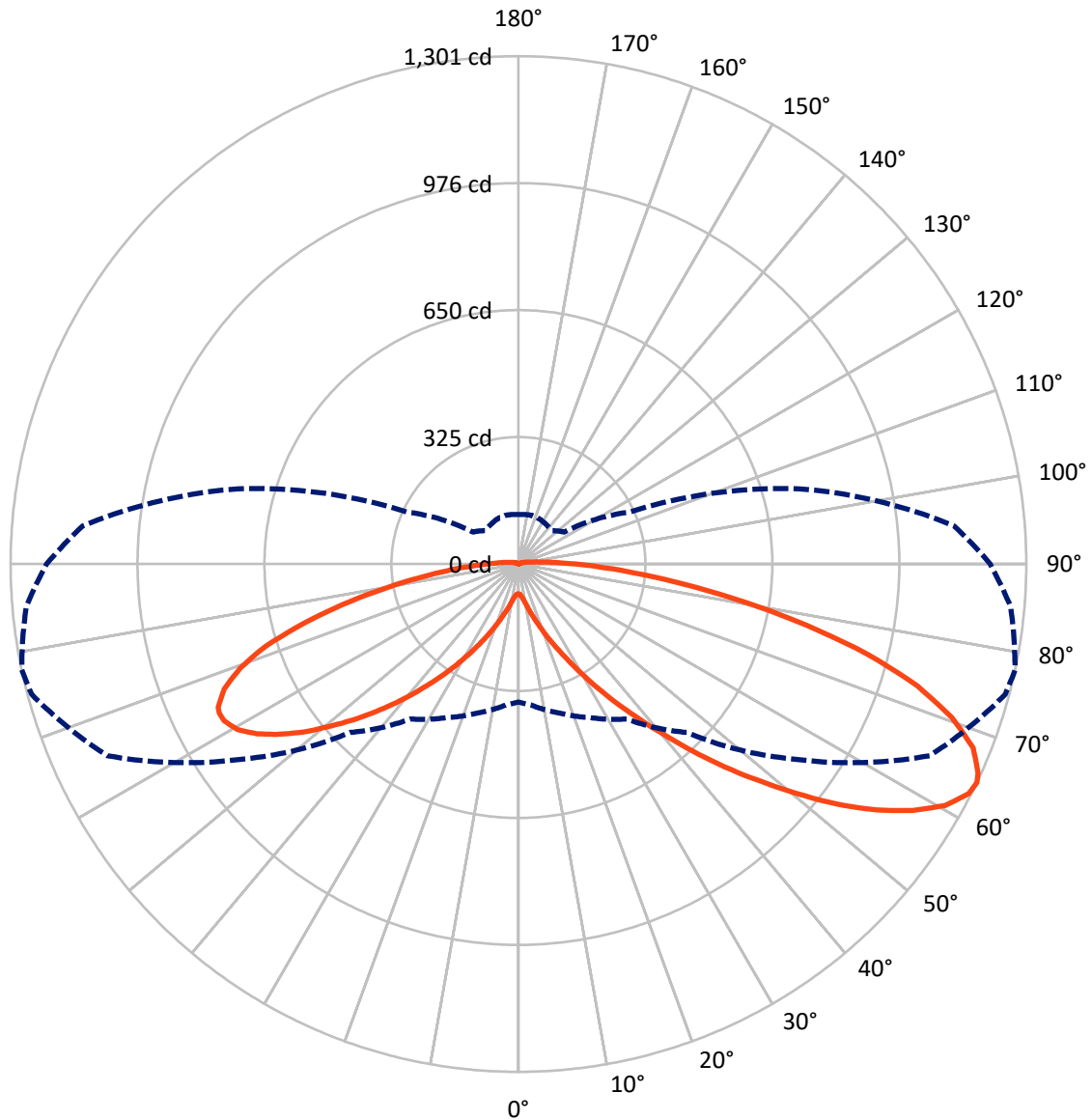
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.6 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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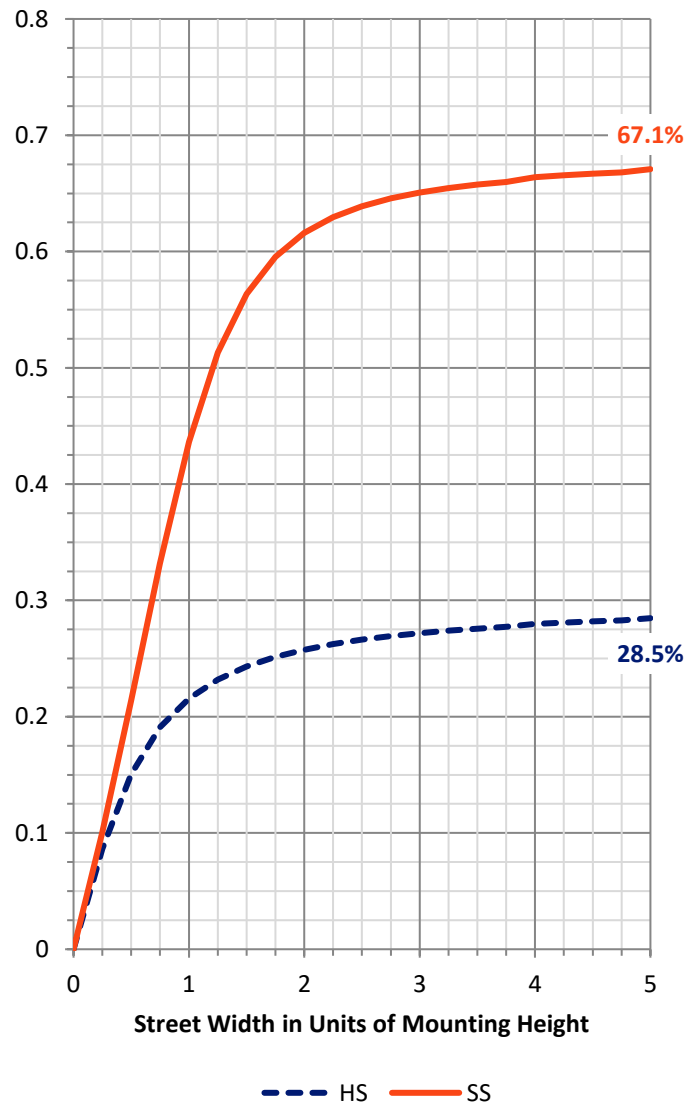
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	697.1	32.1	729.2
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	1614.6	30.4	1645.0
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	2311.7	62.5	2374.3
	% Fixture	97.4	2.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.4
10°-20°	38.5	1.6
20°-30°	107.3	4.5
30°-40°	233.1	9.8
40°-50°	402.6	17.0
50°-60°	533.1	22.5
60°-70°	520.0	21.9
70°-80°	338.0	14.2
80°-90°	130.8	5.5
90°-100°	37.7	1.6
100°-110°	14.4	0.6
110°-120°	6.2	0.3
120°-130°	2.7	0.1
130°-140°	1.1	0.0
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2311.7	97.4
0°-180°	2374.3	100.0



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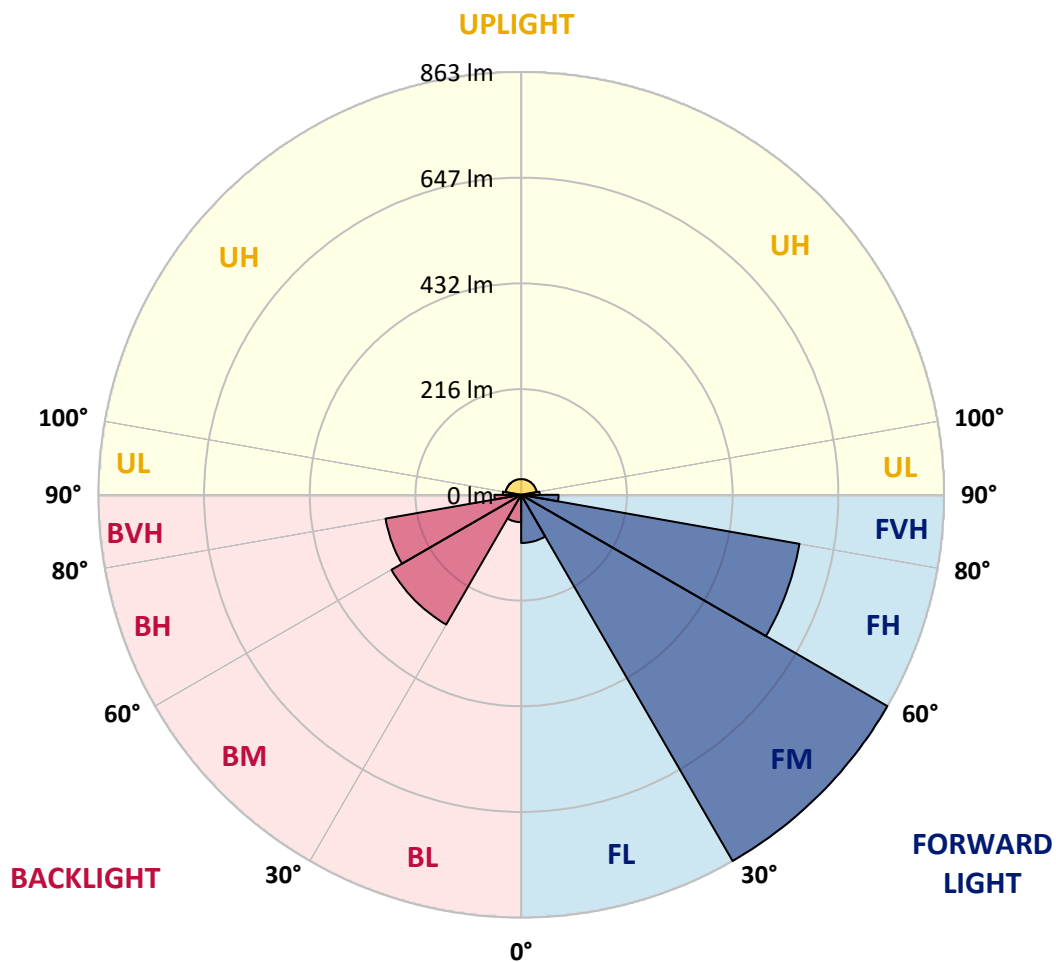
CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.3	4.1			
FM	(30°-60°)	863.1	36.4			
FH	(60°-80°)	576.9	24.3			G0/660
FVH	(80°-90°)	76.3	3.2			G1/100
BL	(0°-30°)	55.8	2.4	B0/110		
BM	(30°-60°)	305.7	12.9	B1/1000		
BH	(60°-80°)	281.1	11.8	B1/500		G1/500
BVH	(80°-90°)	54.5	2.3			G1/100
UL	(90°-100°)	37.7	1.6		U2/50	
UH	(100°-180°)	32.1	1.4		U2/50	

**BUG Rating: B1-U2-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2.5°	82.8	82.4	82.4	82.8	81.8	81.6	80.7	79.6	78.8	78.5	77.6
5°	91.8	91.2	90.6	90.9	90.0	88.7	87.3	85.5	84.2	83.6	82.1
7.5°	102.5	103.0	101.9	101.4	100.2	98.8	96.3	94.3	92.4	91.5	90.0
10°	119.5	119.7	117.7	118.0	114.7	112.9	110.4	107.0	104.8	103.3	101.4
12.5°	142.6	142.3	140.0	139.2	134.9	131.9	127.9	124.0	121.7	120.0	116.6
15°	170.8	170.2	168.9	165.4	159.0	155.0	150.2	144.2	141.2	138.9	135.2
17.5°	204.2	204.4	201.6	197.1	188.3	182.7	175.6	167.8	163.2	160.1	156.1
20°	245.6	245.9	240.8	234.4	223.1	215.1	203.3	196.0	188.9	187.2	181.0
22.5°	295.0	294.8	287.1	278.7	263.4	251.5	238.6	226.7	218.5	216.3	209.5
25°	351.3	350.7	341.4	332.4	309.4	293.9	277.0	262.3	254.1	249.6	241.9
27.5°	417.4	416.2	403.8	390.8	361.7	338.8	318.2	304.3	294.2	288.3	279.8
30°	488.5	487.3	472.4	451.2	419.8	393.6	366.5	350.4	338.8	334.3	322.7
32.5°	565.3	563.0	545.5	519.8	482.8	449.5	422.1	403.8	389.6	385.1	370.2
35°	643.2	640.1	621.4	591.6	548.9	512.5	484.5	465.3	447.8	441.9	423.8
37.5°	718.0	713.8	699.1	661.2	618.1	584.2	552.8	528.9	509.6	504.3	480.6
40°	777.3	774.8	761.2	724.8	683.5	649.4	625.4	606.2	582.0	573.8	548.3
42.5°	822.5	820.0	809.5	779.3	742.6	719.1	699.1	685.3	664.4	655.6	619.8
45°	845.9	842.3	837.7	816.0	790.8	779.3	776.7	771.7	751.4	741.1	699.4
47.5°	840.6	838.8	843.1	829.8	820.0	830.1	851.8	862.0	838.6	829.3	785.2
50°	806.7	808.9	819.7	818.6	828.2	862.6	917.4	950.9	936.3	923.8	875.9
52.5°	749.9	753.0	772.2	782.7	810.4	875.5	968.2	1034.8	1036.2	1021.8	967.6
55°	675.4	682.2	705.6	725.9	770.6	860.6	998.1	1105.4	1126.6	1111.9	1054.4
57.5°	587.0	596.9	622.6	656.2	708.2	819.7	1004.0	1158.2	1203.1	1190.9	1135.9
60°	495.0	502.1	533.9	571.7	623.7	757.0	979.5	1185.9	1263.2	1255.7	1210.8
62.5°	404.6	412.6	445.3	486.8	537.6	668.1	921.1	1183.9	1291.2	1294.9	1255.1
64°	353.5	362.2	394.4	433.7	484.5	610.2	872.5	1161.9	1290.7	1300.8	1265.8
65°	321.6	330.3	362.0	400.9	450.6	570.1	836.1	1140.7	1285.2	1293.7	1266.1
67.5°	251.3	258.4	288.3	328.4	368.2	469.8	720.6	1057.1	1241.8	1255.9	1239.8
70°	193.1	199.9	227.3	264.3	297.6	382.1	595.2	934.9	1157.9	1177.7	1170.1
72.5°	148.5	154.2	178.4	210.6	237.7	302.1	475.5	790.3	1036.6	1068.7	1070.1
75°	114.7	119.2	139.2	167.2	188.6	234.9	370.4	634.7	881.8	924.4	934.3
77.5°	89.5	92.4	108.4	131.2	148.8	179.5	278.7	488.5	711.6	753.9	771.4
80°	70.3	72.5	85.0	103.0	116.9	134.9	204.2	361.4	545.5	583.9	600.6
82.5°	54.5	56.5	66.4	81.0	91.8	103.6	146.0	257.5	397.0	428.6	442.1
85°	41.5	43.0	51.4	62.4	71.2	79.6	101.9	175.9	276.4	300.4	309.7
87.5°	30.8	31.9	39.0	48.0	54.5	61.0	74.3	116.3	185.8	203.1	209.8
90°	22.3	23.1	28.8	36.4	42.0	46.9	53.9	77.1	119.5	131.0	136.1
92.5°	15.9	16.7	21.2	27.4	32.7	36.7	41.5	53.6	76.5	82.8	86.6
95°	11.6	12.2	15.5	20.6	25.4	29.1	33.0	39.0	50.5	53.9	55.3
97.5°	8.8	9.0	11.9	15.9	20.0	23.1	26.0	29.7	35.6	37.2	38.2
100°	6.8	7.1	9.3	12.7	16.1	18.9	20.9	23.1	26.3	27.4	27.9
102.5°	5.6	5.9	7.7	10.4	13.3	15.5	17.2	18.6	20.0	20.6	21.5
105°	5.1	5.1	6.8	9.0	11.3	13.3	14.7	15.2	15.5	15.9	16.1
107.5°	4.2	4.5	5.9	7.9	9.9	11.6	12.4	12.4	11.9	11.9	12.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	4.0	4.0	5.1	6.8	8.8	9.9	10.4	9.9	8.8	8.8	9.0
112.5°	3.4	3.7	4.5	5.9	7.7	8.8	8.8	7.9	6.4	6.4	6.8
115°	3.1	3.1	4.0	5.3	6.4	7.4	7.4	6.4	4.8	4.8	5.1
117.5°	2.9	2.9	3.4	4.5	5.6	6.4	6.2	5.1	3.7	3.7	4.2
120°	2.9	2.9	3.1	4.0	4.8	5.3	5.1	4.0	2.9	2.9	3.4
122.5°	2.6	2.6	2.9	3.4	4.2	4.5	4.2	3.1	2.3	2.6	2.9
125°	2.6	2.6	2.6	3.1	3.7	4.0	3.7	2.6	1.9	1.9	2.3
127.5°	2.3	2.3	2.3	2.6	3.1	3.4	2.9	1.9	1.7	1.7	1.9
130°	2.3	2.3	1.9	2.3	2.9	2.9	2.3	1.4	1.1	1.4	1.7
132.5°	1.9	1.9	1.9	1.9	2.3	2.3	1.9	1.1	1.1	1.1	1.4
135°	1.9	1.9	1.7	1.7	1.9	1.9	1.4	0.8	0.8	0.8	1.1
137.5°	1.7	1.7	1.7	1.4	1.4	1.4	1.1	0.6	0.6	0.8	0.8
140°	1.4	1.4	1.4	1.1	1.1	0.8	0.6	0.3	0.6	0.6	0.8
142.5°	1.1	1.1	1.1	0.8	0.8	0.6	0.3	0.3	0.3	0.6	0.6
145°	0.8	0.8	0.8	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.6
147.5°	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
150°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
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°	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
2.5°	77.3	77.1	76.2	75.7	75.1	74.6	74.6	74.0	73.7	73.4	73.4
5°	81.8	80.7	79.4	78.3	76.8	75.4	74.3	73.4	72.8	72.5	72.3
7.5°	88.7	87.3	84.7	82.8	80.2	78.3	76.5	74.8	74.3	73.7	73.7
10°	99.9	97.4	93.7	90.0	86.6	83.3	81.3	79.1	78.5	77.9	77.9
12.5°	114.9	112.4	106.5	101.4	96.0	91.5	88.4	86.4	85.8	85.0	85.3
15°	132.7	128.2	121.7	114.4	107.6	101.4	97.7	94.6	93.2	92.4	92.6
17.5°	152.7	147.7	138.3	128.8	120.0	113.2	107.0	102.5	100.2	99.4	99.4
20°	175.9	170.2	158.4	145.4	134.1	124.5	116.6	109.9	107.0	105.9	105.9
22.5°	203.3	196.2	179.8	163.2	149.0	134.9	124.5	116.3	112.9	111.8	111.8
25°	234.9	225.6	204.7	184.1	163.0	144.0	130.7	121.9	118.0	116.6	116.6
27.5°	267.9	259.2	232.1	205.8	176.8	151.3	135.5	125.9	121.4	120.6	120.3
30°	309.7	297.3	262.3	226.5	188.6	156.4	137.5	128.2	123.7	122.9	122.9
32.5°	353.5	338.8	296.5	247.9	197.6	158.7	137.8	129.0	125.1	124.2	124.0
35°	404.9	386.0	332.0	270.0	205.8	159.6	137.5	129.6	126.5	125.4	125.1
37.5°	460.8	436.8	369.6	290.2	210.1	158.1	136.7	129.3	127.1	125.6	125.4
40°	521.2	493.6	412.6	306.7	210.6	155.3	134.9	129.6	127.4	125.6	125.1
42.5°	588.7	555.4	454.0	321.6	209.0	151.9	133.8	129.6	127.7	125.6	125.1
45°	663.8	623.2	497.5	333.2	204.4	147.9	132.7	129.6	127.9	125.4	125.1
47.5°	744.0	695.7	542.2	342.2	198.8	144.0	132.2	130.1	128.8	125.6	125.4
50°	827.9	772.2	585.3	348.1	192.0	140.3	131.6	130.1	129.3	125.9	125.6
52.5°	918.2	853.2	632.2	351.3	184.1	136.7	131.0	130.7	129.9	126.7	126.2
55°	1002.4	931.2	674.0	351.3	175.9	133.3	130.4	131.0	130.7	127.7	127.1
57.5°	1080.8	1002.9	710.6	347.0	167.2	129.9	129.3	130.7	131.0	128.2	127.7
60°	1148.6	1065.6	736.6	340.2	158.1	126.5	127.9	130.1	131.0	128.5	127.9
62.5°	1194.4	1109.1	745.4	325.8	148.5	122.9	125.4	128.5	130.1	127.9	127.4
64°	1208.5	1120.1	743.5	315.1	142.6	120.6	123.7	127.4	129.0	127.4	126.7
65°	1212.4	1121.8	736.4	306.1	138.9	118.9	122.2	126.2	128.2	126.5	125.9
67.5°	1188.7	1092.4	701.6	279.3	130.1	114.4	118.4	122.2	124.8	124.0	123.4
70°	1128.3	1030.3	644.4	249.9	121.1	108.9	112.9	117.1	120.3	119.7	119.5
72.5°	1028.6	932.3	572.0	215.4	112.1	103.0	105.9	110.7	113.8	113.5	112.9
75°	896.7	803.3	472.7	184.1	102.2	95.4	98.3	102.5	105.6	105.1	105.1
77.5°	742.6	653.1	379.5	152.2	93.2	87.3	89.8	93.2	96.0	95.1	94.8
80°	578.6	502.6	290.0	124.0	83.6	78.5	80.2	82.8	85.3	84.2	83.9
82.5°	425.2	367.6	213.7	99.4	74.0	68.6	70.1	72.3	73.7	72.5	72.3
85°	298.2	257.0	154.8	79.1	63.5	59.0	59.3	60.5	61.6	59.8	59.5
87.5°	201.0	172.3	107.3	62.7	53.6	49.7	49.4	50.0	50.8	49.1	48.3
90°	131.9	112.4	73.4	50.8	44.9	41.5	40.9	40.9	41.2	39.3	38.7
92.5°	83.6	72.8	53.4	41.5	37.5	34.5	33.6	33.3	33.0	31.1	30.8
95°	54.5	50.0	40.9	34.5	31.1	28.5	27.6	27.1	26.5	25.2	24.6
97.5°	38.4	36.1	32.4	28.5	26.0	23.7	22.9	22.0	21.5	19.7	19.4
100°	28.8	27.9	26.3	23.7	21.8	19.7	18.9	18.1	17.5	15.9	15.5
102.5°	22.3	22.3	21.5	19.7	18.1	16.4	15.9	14.9	14.1	13.0	12.7
105°	17.2	17.2	17.5	16.7	15.2	14.1	13.3	12.7	11.9	10.4	10.4
107.5°	13.0	13.5	14.1	13.8	13.0	11.9	11.3	10.7	9.6	8.8	8.8



REPORT NUMBER: P255282

CATALOG NUMBER: LXF.LXT-AF24-20-D-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.9	10.1	11.3	11.6	11.0	10.1	9.6	8.8	7.9	7.1	7.1
112.5°	7.4	7.9	9.0	9.6	9.3	8.8	8.2	7.4	6.2	5.9	5.9
115°	5.6	6.2	7.4	7.9	7.9	7.4	6.8	5.9	5.1	4.8	5.1
117.5°	4.5	5.1	5.9	6.4	6.4	5.9	5.6	4.8	4.2	4.2	4.2
120°	3.7	4.2	4.8	5.3	5.3	5.1	4.5	4.0	3.4	3.7	3.7
122.5°	3.1	3.4	4.0	4.2	4.5	4.2	3.7	3.1	2.9	3.1	3.1
125°	2.6	2.9	3.4	3.4	3.7	3.4	3.1	2.6	2.3	2.6	2.6
127.5°	2.3	2.6	2.9	2.9	3.1	2.9	2.6	1.9	1.9	2.3	2.3
130°	1.7	1.9	2.3	2.3	2.6	2.3	1.9	1.7	1.7	1.9	1.9
132.5°	1.4	1.7	1.7	1.9	1.9	1.9	1.7	1.1	1.4	1.4	1.4
135°	1.4	1.4	1.7	1.4	1.4	1.4	1.1	0.8	1.1	1.1	1.1
137.5°	1.1	1.1	1.4	1.4	1.1	1.1	0.8	0.6	0.8	1.1	1.1
140°	0.8	1.1	1.1	1.1	1.1	0.8	0.6	0.3	0.6	0.6	0.6
142.5°	0.8	0.8	1.1	1.1	0.8	0.6	0.3	0.0	0.3	0.3	0.3
145°	0.6	0.8	0.8	0.8	0.6	0.6	0.3	0.0	0.0	0.3	0.0
147.5°	0.6	0.6	0.8	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
150°	0.3	0.6	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.3	0.3	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)