

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: P266147

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-CL-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-SL3-CL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5918.3 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

Input Watts (W): 74  
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

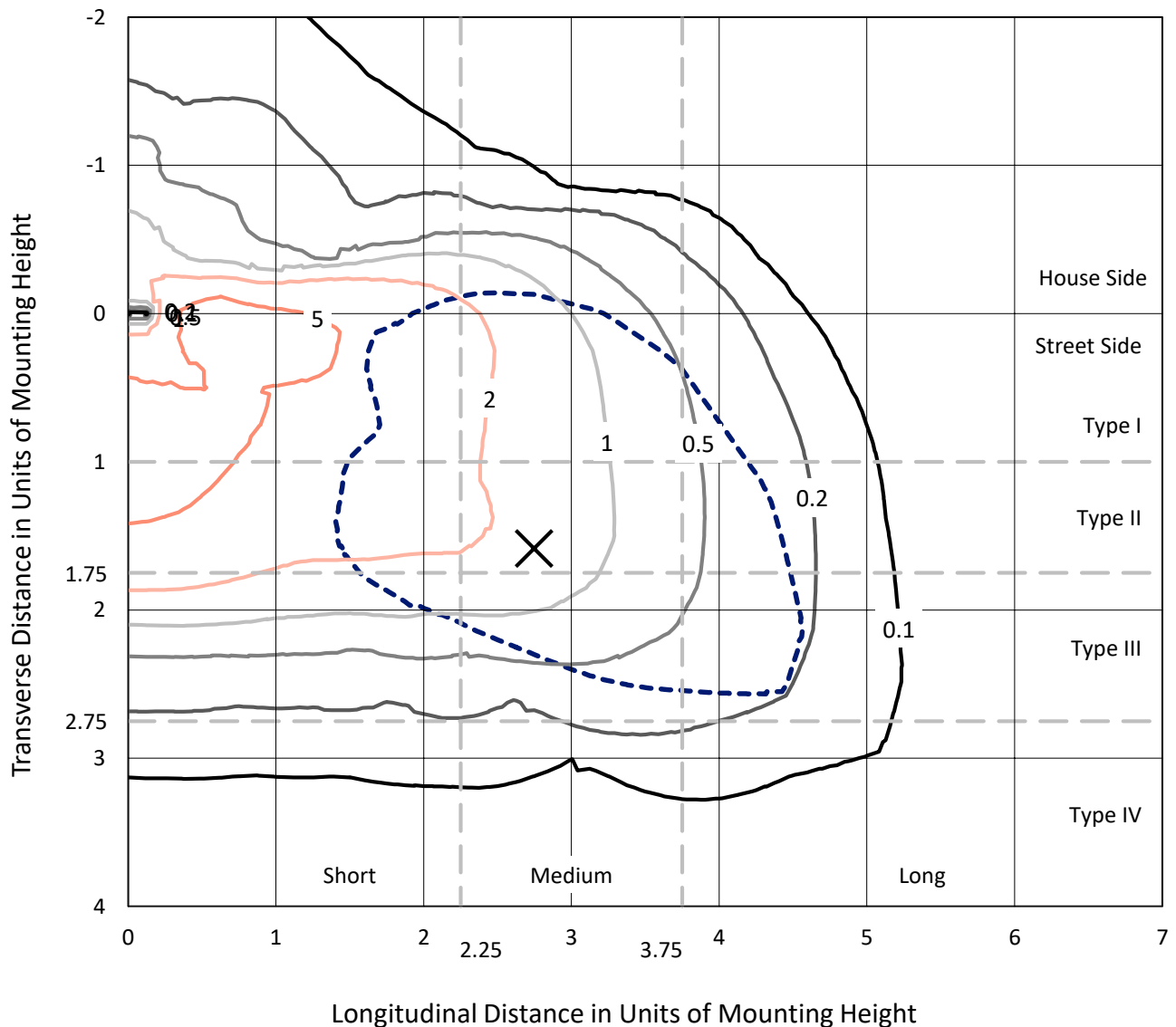


REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

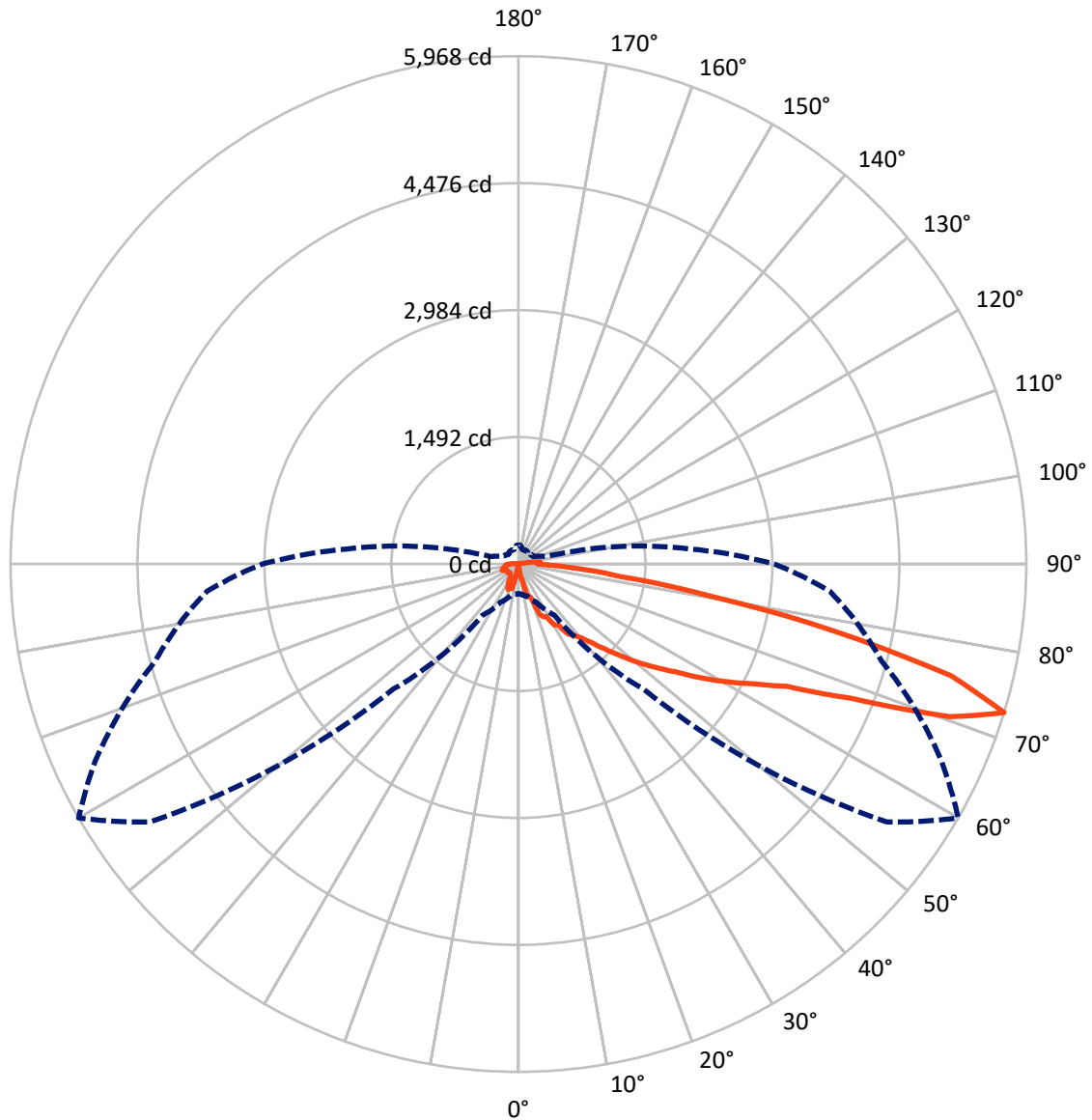


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

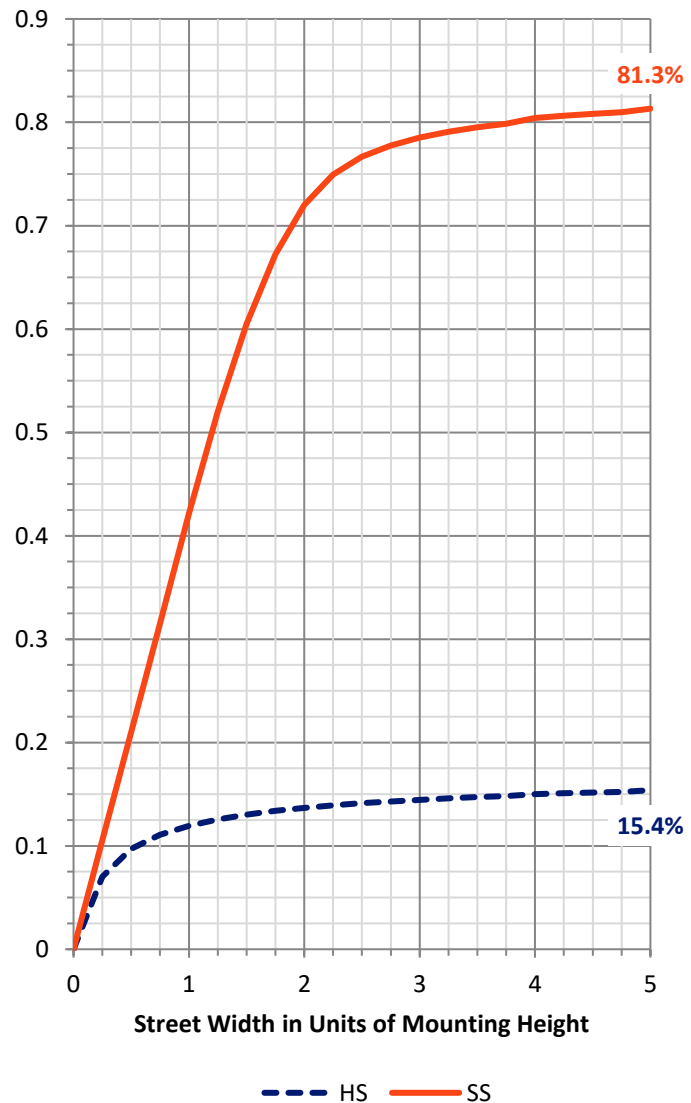
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	960.4	38.5	998.9
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	4870.1	49.3	4919.4
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	5830.5	87.9	5918.3
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	79.3	1.3
20°-30°	232.7	3.9
30°-40°	463.6	7.8
40°-50°	796.9	13.5
50°-60°	1219.2	20.6
60°-70°	1536.8	26.0
70°-80°	1223.3	20.7
80°-90°	272.1	4.6
90°-100°	76.5	1.3
100°-110°	7.5	0.1
110°-120°	1.5	0.0
120°-130°	1.1	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5830.5	98.5
0°-180°	5918.3	100.0

**Coefficient of Utilization**



REPORT NUMBER: P266147

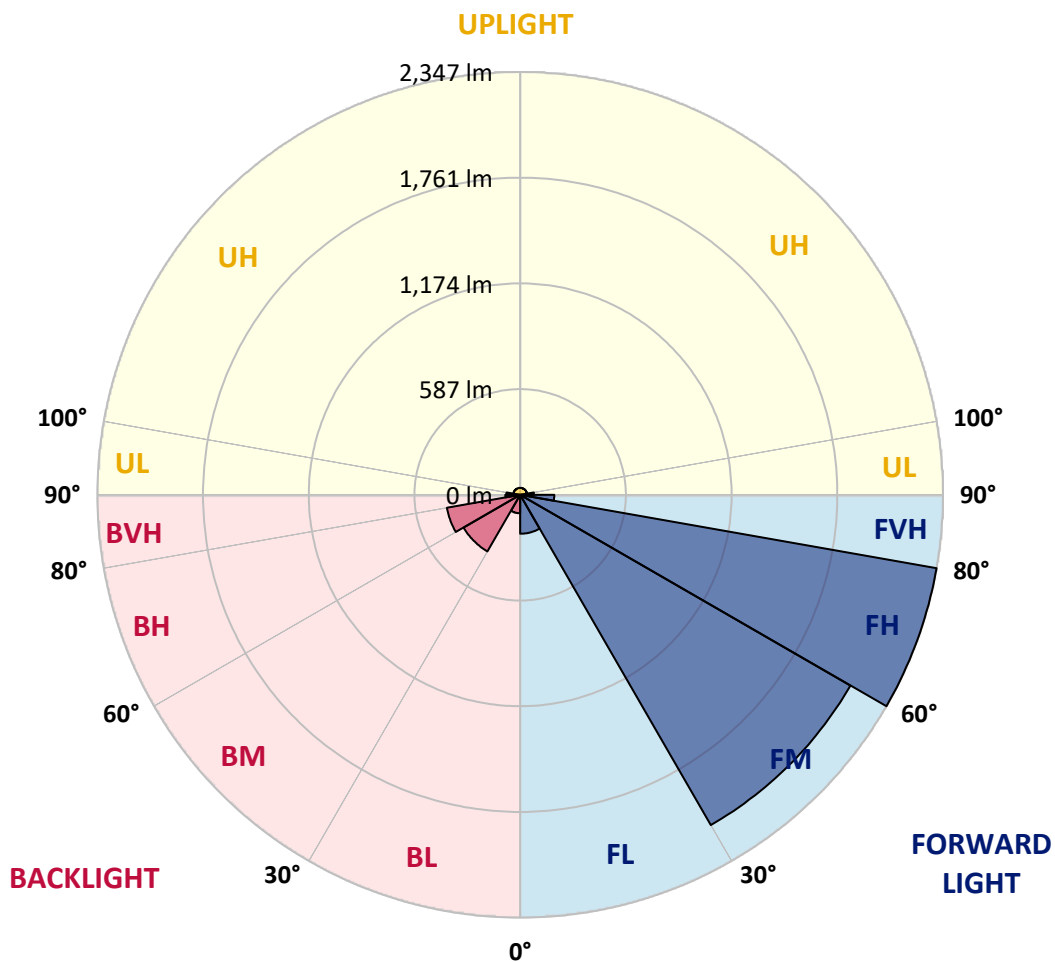
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	216.2	3.7			
FM	(30°-60°)	2117.2	35.8			
FH	(60°-80°)	2347.5	39.7			G2/5000
FVH	(80°-90°)	189.3	3.2			G2/225
BL	(0°-30°)	102.4	1.7	B0/110		
BM	(30°-60°)	362.5	6.1	B1/1000		
BH	(60°-80°)	412.7	7.0	B1/500		G1/500
BVH	(80°-90°)	82.8	1.4			G1/100
UL	(90°-100°)	76.5	1.3		U3/500	
UH	(100°-180°)	38.5	0.7		U2/50	

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

Type III Medium





REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	3.0	3.7	3.0	3.7	3.7	3.0	2.2	3.0	3.0	3.0	2.2
5°	181.3	183.4	163.9	128.2	24.8	17.4	5.7	3.7	3.7	3.0	3.0
7.5°	182.7	184.2	192.1	189.4	193.0	184.2	64.0	19.0	8.1	3.7	3.0
10°	196.5	195.8	193.7	198.0	197.3	187.8	181.3	173.4	39.3	5.1	4.4
12.5°	379.4	380.8	371.3	299.9	208.9	193.7	187.0	181.3	147.9	105.6	245.3
15°	382.3	380.1	369.8	385.9	380.1	222.2	311.0	396.8	399.7	297.1	341.4
17.5°	401.9	396.8	384.5	373.4	371.3	443.5	417.3	395.3	402.6	345.8	369.8
20°	546.8	541.7	535.1	522.0	397.5	506.0	504.6	421.6	425.2	690.2	672.7
22.5°	555.5	546.8	541.7	534.4	594.9	497.3	598.5	641.4	643.6	732.5	709.9
25°	738.2	735.4	689.4	555.5	593.4	565.8	686.6	688.0	673.5	770.2	846.1
27.5°	817.6	794.3	752.2	727.4	610.8	675.6	685.0	696.0	875.2	1044.1	1018.6
30°	1098.6	1068.1	839.5	817.6	723.8	685.9	790.7	832.2	905.0	1048.4	1055.0
32.5°	1268.2	1226.8	1111.7	1018.6	858.4	754.2	846.1	851.9	911.5	1306.9	1333.9
35°	1567.5	1512.9	1245.7	1134.3	1002.6	898.5	876.6	1013.5	1095.0	1364.4	1381.1
37.5°	1625.8	1625.8	1549.3	1351.9	1150.4	1008.3	1031.7	1064.4	1148.2	1469.3	1462.0
40°	1683.3	1689.8	1704.4	1537.0	1310.5	1169.2	1135.7	1140.8	1219.4	1589.5	1558.1
42.5°	1826.1	1821.0	1844.8	1679.7	1526.0	1348.4	1293.1	1265.4	1322.1	1744.5	1679.7
45°	2072.7	2072.7	2054.7	1829.7	1689.2	1527.5	1475.0	1424.2	1444.6	1896.6	1846.3
47.5°	2378.6	2344.3	2247.6	2004.4	1831.9	1694.9	1651.3	1604.0	1614.2	2077.2	2045.1
50°	2608.0	2571.6	2386.6	2131.0	1949.1	1869.7	1848.6	1813.7	1799.0	2249.0	2262.1
52.5°	2657.5	2613.1	2449.9	2209.0	2047.3	2050.2	2072.1	2021.8	1974.6	2434.0	2481.3
55°	2597.0	2572.2	2470.3	2268.0	2139.9	2203.2	2299.2	2235.9	2214.9	2636.3	2693.8
57.5°	2476.8	2466.7	2460.8	2317.4	2202.5	2370.5	2591.3	2520.6	2465.3	2823.5	2847.4
60°	2222.8	2226.4	2292.7	2316.6	2315.3	2546.9	2862.8	2805.9	2699.6	3004.0	3029.5
62.5°	1775.1	1800.6	1974.6	2144.2	2375.7	2816.1	3122.7	3103.0	2988.8	3210.1	3206.4
65°	1120.5	1170.0	1428.5	1812.2	2293.5	3185.3	3542.8	3465.7	3316.4	3448.1	3502.9
67.5°	605.7	623.2	766.7	1194.0	1985.4	3358.7	4453.6	4201.0	3855.9	3829.7	3839.9
70°	437.6	442.7	479.9	659.6	1241.4	3079.0	5257.4	5373.9	4710.0	4240.3	3970.1
72.5°	346.6	356.0	391.8	495.9	731.0	2075.1	5284.4	5968.0	5487.4	4420.9	3671.7
75°	238.8	253.4	315.9	426.6	658.8	1036.0	4298.6	5253.1	5297.5	4056.0	2918.1
77.5°	127.4	129.5	144.2	330.5	624.7	747.7	2776.9	3800.5	3791.8	2851.8	1580.7
80°	103.3	104.8	110.8	142.7	535.1	763.0	1490.4	2301.5	2108.5	1108.1	576.0
82.5°	67.7	72.0	88.2	96.8	240.2	736.2	885.3	1205.6	961.7	400.5	361.1
85°	40.1	44.5	64.0	71.3	114.4	859.0	794.3	725.9	555.5	283.2	271.6
87.5°	13.8	13.8	19.0	24.8	37.9	246.0	414.9	332.1	254.8	187.8	223.5
90°	7.2	8.1	4.4	4.4	16.8	75.6	222.2	220.7	173.4	184.2	238.8
92.5°	8.1	8.1	4.4	4.4	17.4	45.2	236.7	253.4	204.5	206.8	258.4
95°	8.8	9.4	3.7	3.7	16.8	31.4	208.2	257.8	200.2	187.0	224.9
97.5°	9.4	10.2	3.7	3.0	10.9	24.1	104.8	147.1	115.7	88.2	98.3
100°	8.8	9.4	2.2	2.2	5.1	16.0	40.1	54.5	49.4	20.4	11.7
102.5°	8.8	9.4	2.2	1.4	2.2	8.8	8.8	20.4	12.3	6.6	9.4
105°	8.8	9.4	2.2	1.4	0.7	4.4	3.0	3.7	4.4	5.7	10.9
107.5°	5.1	5.7	1.4	1.4	0.7	0.7	1.4	1.4	3.0	4.4	9.4
110°	2.2	2.2	0.7	0.7	0.0	0.7	0.7	1.4	3.0	3.7	5.1



REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2	3.0	4.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	5.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	5.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	5.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	5.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	3.0	5.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.0	4.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.0	4.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	3.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.4	2.2
140°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.4	1.4	2.2
142.5°	1.4	0.7	0.7	0.7	0.0	0.0	0.7	0.7	1.4	2.2	2.2
145°	2.2	1.4	1.4	0.7	0.0	0.0	0.7	1.4	2.2	2.2	2.2
147.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.7	1.4	2.2	3.0	3.0
150°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.7	1.4	3.0	3.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	2.2	2.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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





REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.2	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.2	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.7	0.7	1.4
7.5°	2.2	2.2	2.2	1.4	1.4	0.7	134.7	156.6	179.8	176.2	171.0
10°	3.7	3.7	3.7	3.0	8.8	161.7	181.3	173.4	169.6	168.3	170.4
12.5°	248.3	292.7	97.6	14.6	143.4	158.0	161.7	152.9	158.0	159.4	155.0
15°	340.7	334.2	307.2	315.9	281.0	152.2	144.8	215.6	214.8	214.1	214.1
17.5°	368.5	350.2	303.5	321.1	281.0	230.9	179.1	171.0	165.3	165.9	164.5
20°	663.3	620.3	479.9	312.3	246.0	246.9	152.2	131.8	165.3	193.0	196.5
22.5°	668.3	626.8	502.3	404.7	246.0	195.1	149.3	155.8	187.0	204.5	207.5
25°	841.0	760.1	493.6	342.3	246.9	158.7	158.7	149.9	170.4	194.5	198.0
27.5°	959.6	865.6	602.1	335.6	185.7	155.0	142.0	143.4	182.0	198.7	199.6
30°	961.0	850.3	566.4	281.8	154.4	134.7	128.2	149.9	159.4	170.4	171.0
32.5°	1249.4	1084.2	636.3	226.5	137.6	121.6	128.8	142.7	160.8	187.8	190.8
35°	1249.4	1065.8	554.1	208.2	130.3	122.3	132.5	152.9	153.6	174.0	178.4
37.5°	1284.3	1064.4	468.1	174.0	136.2	122.3	138.2	143.4	149.9	171.0	171.8
40°	1339.0	1079.8	382.9	158.7	134.7	133.3	134.7	141.3	139.7	153.6	154.4
42.5°	1429.3	1114.0	318.2	153.6	133.9	139.7	136.2	133.9	125.9	165.3	165.9
45°	1561.8	1191.8	270.8	153.6	134.7	149.3	140.6	129.5	121.6	199.6	205.4
47.5°	1717.5	1289.3	249.0	157.3	137.6	151.5	133.9	129.5	129.5	216.2	219.1
50°	1903.9	1401.5	238.8	160.2	147.1	149.9	138.2	137.6	143.4	201.0	200.2
52.5°	2101.2	1539.9	237.3	164.5	153.6	144.2	156.6	147.1	128.2	147.1	147.1
55°	2297.1	1710.3	235.1	165.9	149.9	147.9	160.2	131.1	109.2	119.5	120.8
57.5°	2485.6	1872.5	243.9	160.2	149.3	147.9	152.9	131.1	112.8	122.3	125.3
60°	2677.8	2053.9	295.6	151.5	152.2	144.2	152.2	142.0	124.4	147.9	150.7
62.5°	2910.9	2303.7	402.6	159.4	154.4	146.3	151.5	150.7	129.5	141.3	144.2
65°	3244.3	2581.8	466.0	187.8	160.8	152.9	151.5	163.1	144.8	137.6	138.2
67.5°	3472.8	2683.0	452.1	211.9	177.0	157.3	163.9	175.4	155.0	156.6	155.8
70°	3431.4	2503.0	393.2	223.5	187.0	161.7	177.0	174.7	163.1	185.7	184.2
72.5°	3006.9	2029.1	333.5	205.4	184.2	163.1	179.8	179.1	177.0	222.8	222.8
75°	2239.6	1361.6	289.1	188.6	176.2	161.7	176.2	177.7	176.2	227.9	229.3
77.5°	1099.3	680.0	245.3	169.6	163.1	165.3	174.0	174.7	172.6	221.3	221.3
80°	491.5	372.7	187.0	142.7	157.3	174.0	174.7	168.3	171.0	209.7	208.9
82.5°	340.7	268.0	122.3	125.3	176.2	188.6	178.4	164.5	162.4	191.5	188.6
85°	247.6	197.3	75.0	106.3	193.0	178.4	168.9	148.5	142.0	162.4	158.7
87.5°	199.6	157.3	45.9	88.8	176.2	156.6	140.6	122.3	113.5	125.3	119.5
90°	215.6	169.6	45.9	77.2	144.8	117.1	103.3	91.0	82.3	83.1	79.4
92.5°	232.2	180.6	48.8	64.0	107.0	67.7	69.2	63.3	50.2	45.2	40.8
95°	179.1	135.5	42.9	53.2	64.0	41.5	53.2	48.1	34.2	24.1	20.4
97.5°	79.4	64.0	38.5	42.2	45.2	34.2	45.2	38.5	20.4	11.7	10.2
100°	9.4	16.0	33.4	40.8	32.8	23.3	29.9	23.3	8.8	3.0	2.2
102.5°	10.2	7.2	14.6	36.4	19.0	7.2	8.8	8.8	3.7	1.4	1.4
105°	10.9	8.1	5.7	19.0	4.4	1.4	0.7	0.7	0.7	1.4	1.4
107.5°	10.2	7.2	3.7	3.0	2.2	1.4	0.0	0.0	0.0	1.4	2.2
110°	5.7	5.1	3.7	3.0	2.2	1.4	0.0	0.0	0.0	2.2	3.0



REPORT NUMBER: P266147

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-CL-7027

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.4	4.4	3.0	2.2	1.4	0.7	0.0	0.0	0.0	3.0	3.7
115°	5.1	4.4	3.0	2.2	1.4	0.7	0.0	0.0	0.0	3.7	4.4
117.5°	5.7	5.1	3.0	2.2	1.4	0.0	0.0	0.0	0.0	4.4	4.4
120°	5.7	5.1	3.0	2.2	0.7	0.0	0.0	0.0	0.0	3.7	4.4
122.5°	5.7	5.1	3.0	1.4	0.7	0.0	0.0	0.0	0.0	3.7	4.4
125°	5.1	5.1	3.0	1.4	0.7	0.0	0.0	0.0	0.0	3.7	3.7
127.5°	5.1	4.4	3.0	1.4	0.7	0.0	0.0	0.0	0.0	3.0	3.7
130°	4.4	4.4	2.2	1.4	0.7	0.0	0.0	0.0	0.0	2.2	3.0
132.5°	3.7	3.0	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.7	1.4
135°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.0	3.0	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.0	3.0	2.2	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)