

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: P266149

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266149  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)  
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-TL-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5842.8 lumens  
Efficiency: N/A  
Efficacy: 79.0 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 - G3

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

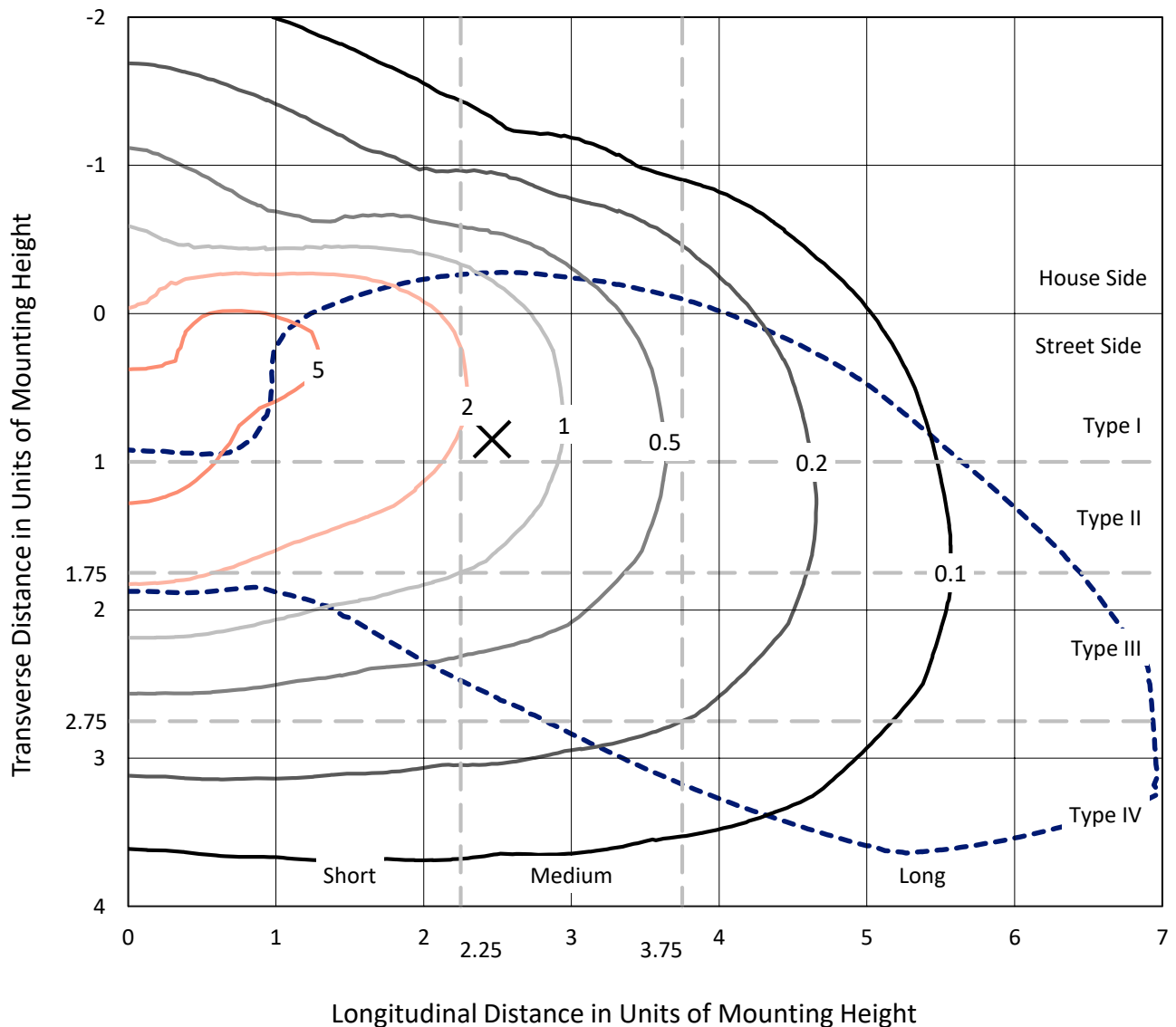


REPORT NUMBER: P266149

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

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

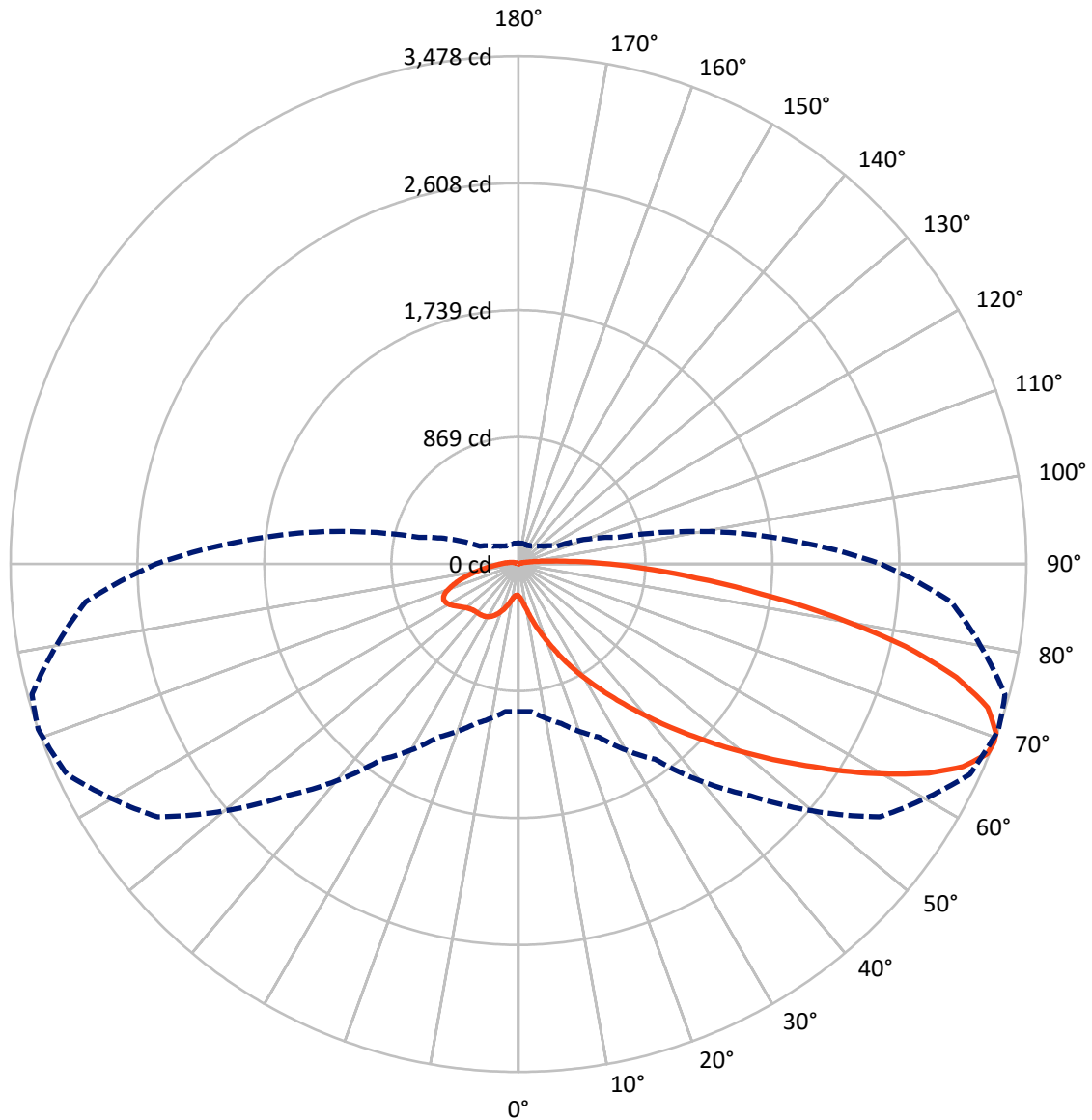


Based on 10 foot mounting height. Maximum calculated value = 7.1 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P266149

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

### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P266149

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

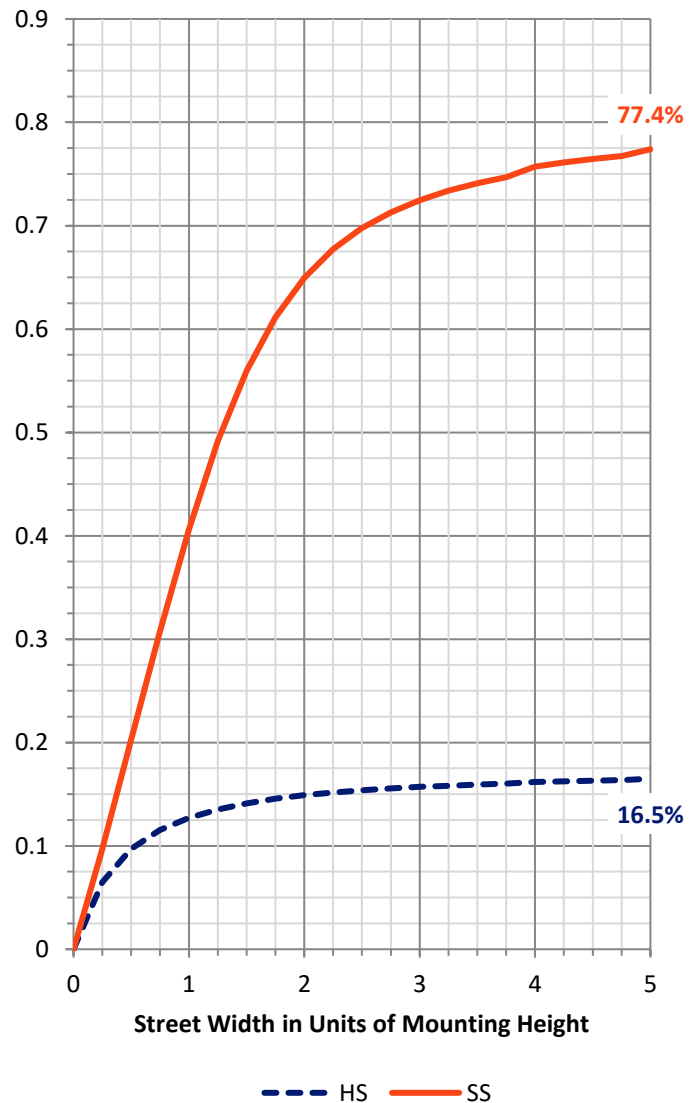
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1003.7	74.6	1078.4
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	4648.9	115.5	4764.4
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	5652.7	190.1	5842.8
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	0.4
10°-20°	95.1	1.6
20°-30°	229.8	3.9
30°-40°	447.4	7.7
40°-50°	765.7	13.1
50°-60°	1142.7	19.6
60°-70°	1374.1	23.5
70°-80°	1099.5	18.8
80°-90°	475.3	8.1
90°-100°	127.7	2.2
100°-110°	39.2	0.7
110°-120°	14.9	0.3
120°-130°	5.5	0.1
130°-140°	2.1	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5652.7	96.7
0°-180°	5842.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P266149

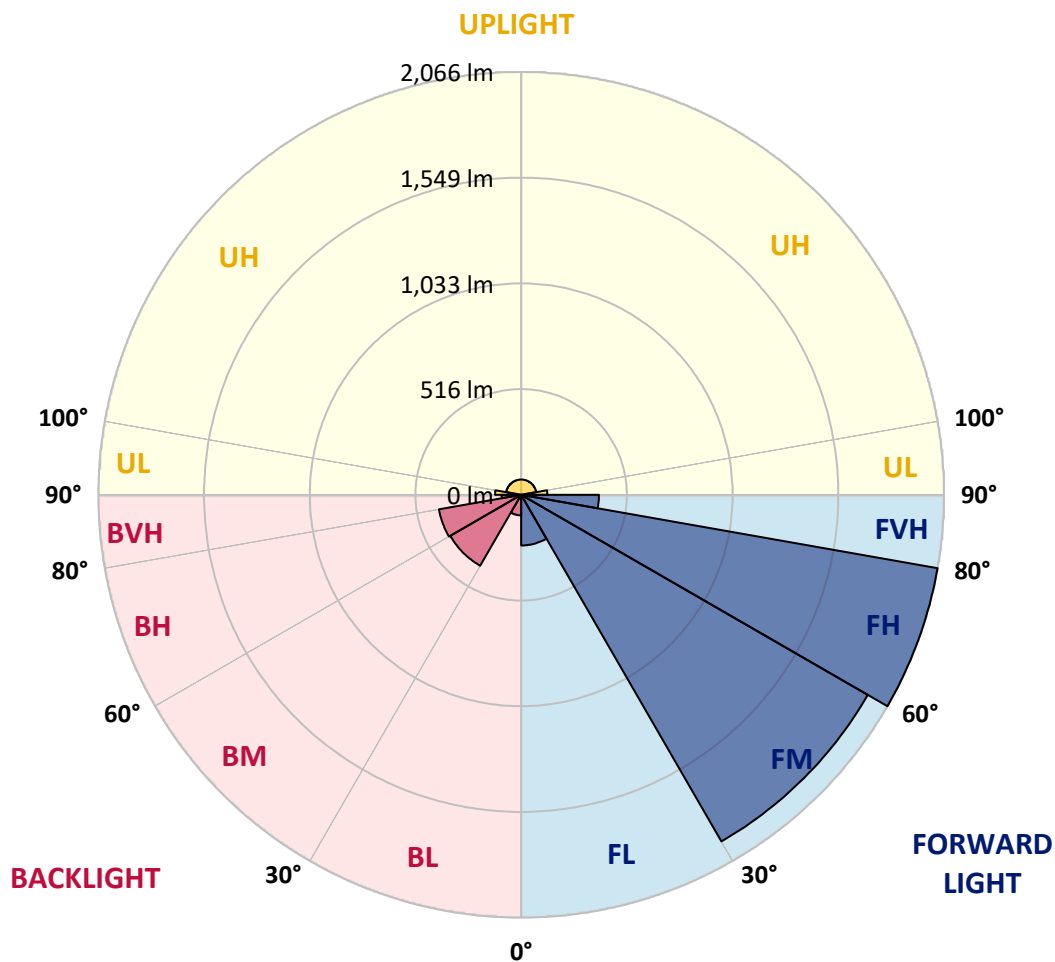
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	247.5	4.2			
FM	(30°-60°)	1955.5	33.5			
FH	(60°-80°)	2066.0	35.4			G2/5000
FVH	(80°-90°)	380.0	6.5			G3/500
BL	(0°-30°)	100.5	1.7	B0/110		
BM	(30°-60°)	400.3	6.9	B1/1000		
BH	(60°-80°)	407.6	7.0	B1/500		G1/500
BVH	(80°-90°)	95.3	1.6			G1/100
UL	(90°-100°)	127.7	2.2		U3/500	
UH	(100°-180°)	74.6	1.3		U3/500	

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

Type IV Medium





REPORT NUMBER: P266149

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

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
2.5°	248.2	248.2	247.6	248.2	244.6	243.3	238.8	234.5	231.6	230.8	224.2
5°	277.3	277.3	276.7	276.7	272.2	269.4	263.6	256.2	252.7	249.6	238.8
7.5°	310.9	310.2	309.5	310.2	306.5	299.9	294.9	285.4	281.8	275.9	262.0
10°	351.6	350.2	350.9	348.7	343.0	340.0	334.9	324.6	320.3	315.9	299.9
12.5°	401.2	401.2	399.7	395.3	389.5	388.1	385.8	380.1	374.2	368.3	345.8
15°	456.5	455.0	452.8	447.0	442.0	439.0	442.0	438.4	433.9	426.6	400.5
17.5°	519.8	517.0	513.3	505.9	498.0	499.5	502.3	499.5	493.6	491.5	460.1
20°	589.6	589.0	581.7	569.3	562.1	557.7	565.8	569.3	564.2	562.1	526.3
22.5°	672.7	667.6	658.2	642.8	629.7	622.4	631.1	644.4	642.8	640.0	602.1
25°	769.6	761.6	752.2	725.1	703.4	690.8	703.4	721.5	728.7	725.9	681.5
27.5°	878.1	867.1	851.9	820.5	784.8	760.1	777.6	801.6	819.8	821.2	767.3
30°	996.0	986.5	966.0	920.3	870.0	839.5	853.3	889.7	915.2	916.6	857.6
32.5°	1130.6	1120.5	1079.8	1031.0	966.0	923.8	937.7	985.0	1015.7	1025.9	955.9
35°	1275.6	1264.6	1230.4	1154.0	1070.2	1015.7	1031.0	1089.9	1127.1	1142.4	1060.8
37.5°	1429.9	1411.6	1372.4	1287.2	1192.5	1122.6	1129.9	1199.1	1250.0	1269.8	1177.9
40°	1580.6	1573.3	1520.1	1420.4	1306.1	1230.4	1237.0	1317.8	1381.9	1404.4	1303.3
42.5°	1734.9	1718.2	1668.0	1552.2	1426.1	1344.0	1359.9	1451.0	1529.6	1554.3	1434.2
45°	1881.9	1867.4	1803.3	1680.3	1549.2	1467.0	1489.6	1602.4	1684.0	1716.8	1583.5
47.5°	2015.2	1996.4	1931.4	1798.2	1670.0	1596.6	1625.8	1759.7	1855.1	1892.9	1750.9
50°	2111.3	2096.0	2029.8	1899.5	1780.8	1732.7	1786.5	1930.7	2038.6	2089.5	1933.0
52.5°	2153.5	2146.3	2082.9	1965.8	1876.9	1868.1	1967.2	2115.0	2237.3	2292.7	2127.4
55°	2138.2	2127.4	2091.7	1997.7	1950.4	1999.9	2156.6	2325.4	2450.5	2510.4	2336.3
57.5°	2051.5	2044.4	2041.4	1982.5	1993.3	2125.8	2343.6	2561.2	2684.2	2732.4	2545.3
60°	1904.5	1900.2	1930.1	1927.1	2004.3	2228.5	2540.9	2810.9	2920.2	2975.5	2749.8
62.5°	1685.4	1695.6	1764.0	1823.0	1968.6	2297.0	2721.4	3038.8	3153.1	3193.1	2908.5
65°	1429.2	1447.3	1539.1	1659.2	1886.4	2325.4	2884.5	3237.0	3346.0	3360.6	3009.7
67.5°	1144.5	1173.5	1282.8	1449.5	1745.0	2299.1	2987.1	3370.1	3464.8	3446.5	3018.5
69°	1010.6	1014.1	1129.9	1309.0	1632.9	2243.1	3018.5	3409.4	3477.9	3449.5	2975.5
70°	912.1	918.1	1032.3	1217.4	1549.9	2188.5	3017.8	3418.9	3470.6	3426.1	2934.0
72.5°	675.6	697.4	811.0	1001.8	1336.7	1999.9	2920.2	3366.5	3361.4	3281.2	2712.0
75°	490.7	508.9	618.2	806.7	1125.5	1751.7	2680.6	3149.5	3099.3	2996.7	2372.8
77.5°	350.2	355.3	452.0	634.2	928.9	1466.3	2314.5	2762.2	2709.7	2556.1	1943.2
80°	236.7	240.9	320.3	479.8	747.7	1204.8	1905.2	2264.2	2194.3	2027.7	1474.9
82.5°	152.9	160.8	223.5	352.3	585.3	972.0	1504.9	1753.9	1673.8	1524.6	1084.9
85°	107.0	109.2	155.0	254.8	439.7	752.2	1143.1	1305.3	1222.4	1099.3	757.2
87.5°	71.3	73.5	109.2	185.0	320.3	550.4	830.8	926.1	854.6	755.7	504.6
90°	45.2	48.8	75.6	131.8	230.8	384.5	574.5	620.3	569.3	488.5	313.1
92.5°	32.0	33.4	53.1	94.6	163.9	263.6	375.0	393.2	349.5	296.4	189.4
95°	21.9	23.3	38.5	67.7	117.9	177.7	238.8	239.5	204.5	174.7	120.2
97.5°	16.0	17.4	29.1	50.2	84.4	121.6	152.2	144.2	123.1	107.0	83.7
100°	13.1	13.8	23.3	38.5	61.2	85.9	99.7	90.3	79.4	71.3	61.2
102.5°	10.9	11.7	19.7	31.4	45.9	61.2	67.7	60.5	53.9	49.4	45.9
105°	9.4	10.2	16.8	26.2	37.1	45.2	48.1	42.9	39.3	36.4	34.2
107.5°	8.8	9.4	14.6	22.5	30.6	36.4	37.9	32.8	29.1	26.2	24.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	8.1	8.8	13.1	19.7	26.2	30.6	29.9	25.5	21.1	18.1	18.1
112.5°	7.2	8.1	11.7	17.4	22.5	25.5	24.8	19.0	15.4	13.1	13.1
115°	6.6	7.2	10.2	15.4	19.7	21.1	19.7	14.6	10.9	8.8	10.2
117.5°	5.7	6.6	8.8	13.1	16.8	17.4	15.4	10.9	8.1	6.6	7.2
120°	5.7	5.7	8.1	10.9	13.8	14.6	12.3	8.1	5.7	5.1	5.7
122.5°	5.1	5.7	7.2	9.4	11.7	11.7	9.4	5.7	4.4	4.4	5.1
125°	5.1	5.1	5.7	8.1	9.4	9.4	7.2	4.4	3.7	4.4	5.1
127.5°	4.4	5.1	5.7	7.2	8.1	8.1	5.7	3.7	3.7	3.7	4.4
130°	4.4	4.4	5.1	5.7	6.6	5.7	4.4	3.0	3.0	3.7	4.4
132.5°	4.4	4.4	4.4	5.1	5.7	4.4	3.0	3.0	3.0	3.0	4.4
135°	3.7	3.7	3.7	4.4	4.4	3.0	2.2	2.2	3.0	3.0	3.7
137.5°	3.0	3.0	3.0	3.0	3.0	2.2	1.4	2.2	2.2	3.0	3.7
140°	2.2	2.2	2.2	2.2	2.2	0.7	1.4	1.4	2.2	2.2	3.0
142.5°	1.4	1.4	1.4	2.2	1.4	0.7	0.7	1.4	2.2	2.2	3.0
145°	0.7	0.7	1.4	1.4	0.7	0.0	0.7	1.4	1.4	2.2	2.2
147.5°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	1.4	1.4	2.2
150°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
2.5°	222.1	219.8	214.8	209.7	204.5	201.0	198.0	197.3	195.1	193.0	193.7
5°	233.6	228.6	219.8	208.9	198.7	190.0	183.4	177.7	174.0	169.6	170.4
7.5°	254.8	246.9	231.6	213.3	196.5	182.7	169.6	162.4	156.6	153.6	152.9
10°	286.9	275.9	250.4	224.2	198.7	178.4	162.4	152.9	147.1	143.4	143.4
12.5°	332.1	315.9	279.6	241.7	206.8	179.1	160.2	150.6	144.8	142.7	142.7
15°	381.5	360.4	311.6	259.9	214.8	181.3	160.8	150.6	145.6	143.4	142.7
17.5°	436.8	408.4	343.0	275.2	221.3	185.7	161.7	150.6	145.6	144.2	143.4
20°	496.6	460.8	375.0	289.8	226.5	186.4	160.8	149.9	146.3	145.6	145.6
22.5°	563.4	517.0	405.6	302.1	229.3	184.2	158.7	149.3	147.1	147.9	147.9
25°	633.3	575.2	434.6	309.5	226.5	179.1	156.6	149.3	148.5	150.6	150.6
27.5°	707.7	633.3	460.1	314.4	220.7	171.8	152.9	149.3	149.9	152.9	152.9
30°	785.6	693.1	482.0	313.8	213.3	165.9	150.6	148.5	151.5	155.8	155.8
32.5°	867.9	754.9	500.1	309.5	204.5	161.7	148.5	149.3	153.6	158.7	159.4
35°	952.3	813.2	514.6	300.8	196.5	158.0	148.5	150.6	155.8	161.7	162.4
37.5°	1046.2	878.7	527.8	292.7	190.7	156.6	149.3	151.5	157.3	163.9	165.3
40°	1147.3	950.0	537.2	282.4	186.4	157.3	150.6	152.9	158.0	165.3	166.7
42.5°	1255.1	1022.9	547.4	274.5	182.7	158.0	152.9	153.6	158.7	166.7	168.3
45°	1377.5	1104.5	559.1	267.2	181.9	160.8	154.4	153.6	158.0	168.3	168.9
47.5°	1517.2	1206.3	576.6	262.0	181.9	163.1	155.8	153.6	157.3	168.3	169.6
50°	1670.0	1313.4	597.7	260.7	184.2	165.9	157.3	153.6	156.6	165.3	166.7
52.5°	1832.5	1434.2	626.1	261.3	187.0	168.3	158.7	152.9	154.4	160.8	161.7
55°	2013.0	1563.1	658.2	265.7	191.5	171.0	159.4	151.5	151.5	155.8	155.8
57.5°	2190.0	1697.1	693.1	270.7	197.3	174.0	159.4	149.9	149.3	152.2	152.2
60°	2353.7	1809.1	727.3	277.3	202.4	175.4	158.7	148.5	147.1	149.3	149.9
62.5°	2490.6	1900.2	748.4	284.7	206.8	176.2	157.3	147.1	145.6	147.9	147.9
65°	2550.4	1943.9	752.8	289.8	211.1	175.4	155.0	144.8	144.2	145.6	146.3
67.5°	2540.1	1919.0	731.7	290.5	212.5	174.7	152.9	142.7	142.7	144.2	144.2
69°	2481.8	1866.0	704.7	289.1	212.5	172.6	150.6	141.3	141.9	143.4	143.4
70°	2426.6	1809.1	678.5	285.4	211.9	171.0	148.5	139.7	141.3	142.7	142.7
72.5°	2214.1	1623.5	609.4	273.8	206.0	165.9	144.2	135.5	138.2	141.3	140.6
75°	1906.1	1376.7	527.8	255.6	196.5	158.7	138.2	130.3	134.7	138.2	137.6
77.5°	1533.9	1100.9	442.7	234.5	185.0	149.3	131.1	124.4	129.5	133.9	133.2
80°	1167.1	845.2	359.6	211.1	169.6	139.1	123.1	117.1	123.7	127.4	126.8
82.5°	853.3	618.2	282.4	187.8	155.0	128.2	113.5	109.2	115.7	119.5	117.9
85°	592.0	431.7	218.4	162.4	139.1	115.7	103.3	100.5	106.3	109.2	107.7
87.5°	390.9	291.2	168.9	140.6	123.7	104.2	94.0	91.0	96.8	98.3	97.6
90°	248.2	195.1	133.9	120.8	109.2	92.4	83.7	82.3	86.6	87.3	85.2
92.5°	158.7	133.9	108.4	104.2	95.4	82.3	75.0	72.9	76.4	76.4	74.3
95°	110.0	99.7	88.8	89.6	83.1	72.0	65.5	64.8	66.3	64.8	64.0
97.5°	79.4	75.6	73.5	76.4	72.0	62.6	57.5	56.1	56.9	54.5	53.9
100°	60.5	59.6	61.2	64.0	61.2	53.9	49.4	48.8	48.1	44.3	44.3
102.5°	46.6	46.6	50.2	54.5	51.7	45.9	42.9	41.5	39.3	35.7	34.9
105°	35.7	36.4	41.5	45.2	43.7	38.5	36.4	34.2	31.4	27.7	27.7
107.5°	26.9	28.3	33.4	37.1	35.7	32.0	29.9	27.7	24.8	21.1	21.9



REPORT NUMBER: P266149

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.4	21.9	26.9	29.9	29.1	26.9	24.8	22.5	19.0	16.0	16.8
112.5°	15.4	16.8	21.1	24.1	24.1	21.9	19.7	17.4	13.8	12.3	12.3
115°	11.7	13.1	16.8	19.0	19.0	16.8	15.4	13.1	10.2	9.4	9.4
117.5°	8.8	10.2	13.1	15.4	14.6	13.1	11.7	10.2	8.1	7.2	7.2
120°	7.2	8.1	10.2	11.7	10.9	10.2	8.8	7.2	5.7	5.7	5.7
122.5°	5.7	6.6	8.1	8.8	8.1	7.2	6.6	5.1	4.4	4.4	4.4
125°	5.1	5.7	6.6	6.6	5.7	5.1	4.4	3.7	3.0	3.7	3.7
127.5°	5.1	5.1	5.7	5.1	4.4	3.7	3.0	2.2	2.2	3.0	3.0
130°	4.4	5.1	5.1	4.4	3.7	2.2	2.2	1.4	1.4	2.2	2.2
132.5°	4.4	4.4	4.4	3.7	3.0	1.4	0.7	0.7	1.4	1.4	1.4
135°	3.7	4.4	3.7	3.0	2.2	1.4	0.0	0.7	0.7	0.7	0.7
137.5°	3.7	3.7	3.7	3.0	1.4	0.7	0.0	0.0	0.7	0.0	0.0
140°	3.0	3.0	3.0	2.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.0	3.0	3.0	1.4	0.7	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°	2.2	2.2	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	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)