

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: P255123

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255123  
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-AF24-50-D-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA 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: 5542.3 lumens  
Efficiency: N/A  
Efficacy: 102.6 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 - U3 - G3

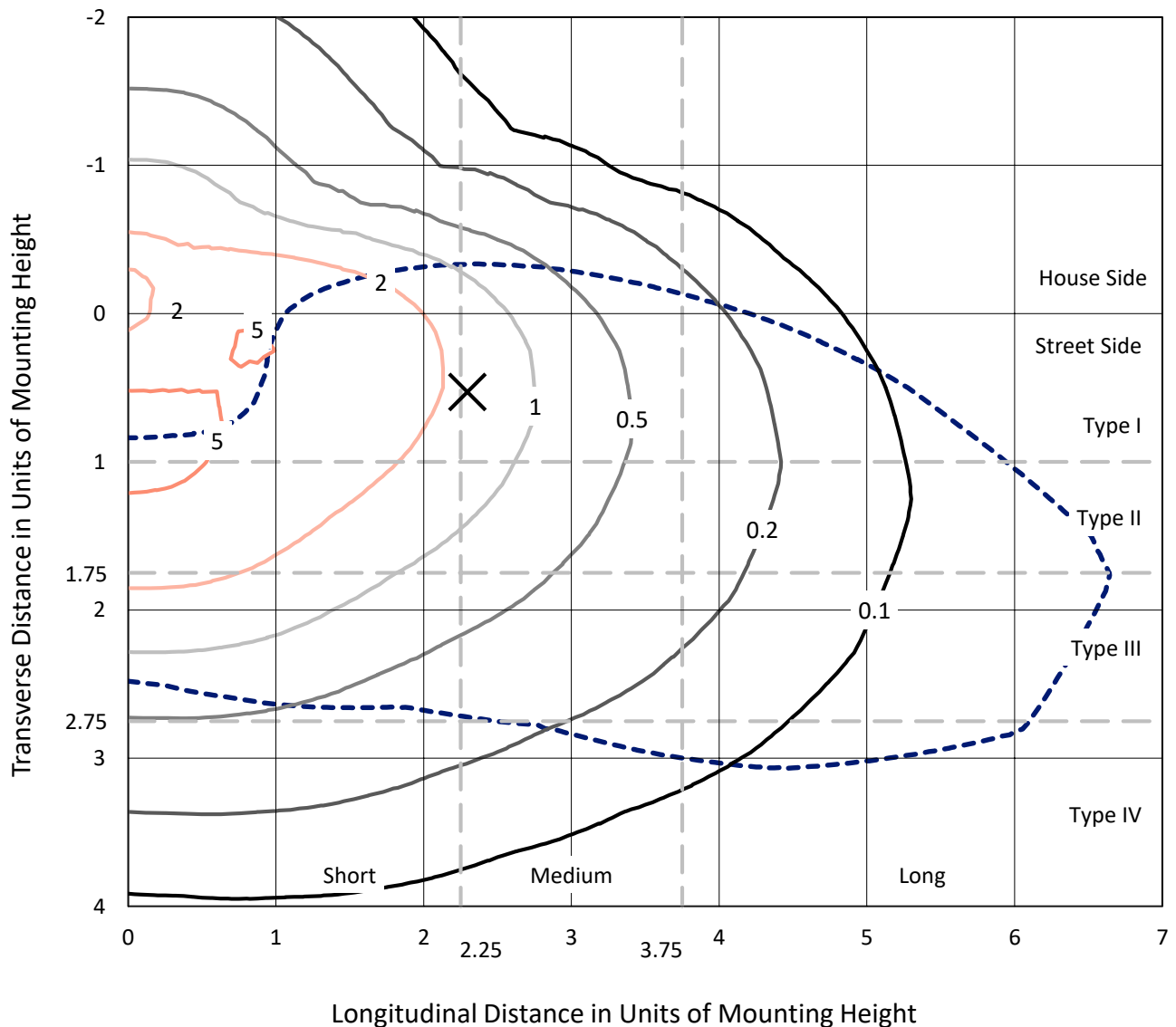
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P255123  
 CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

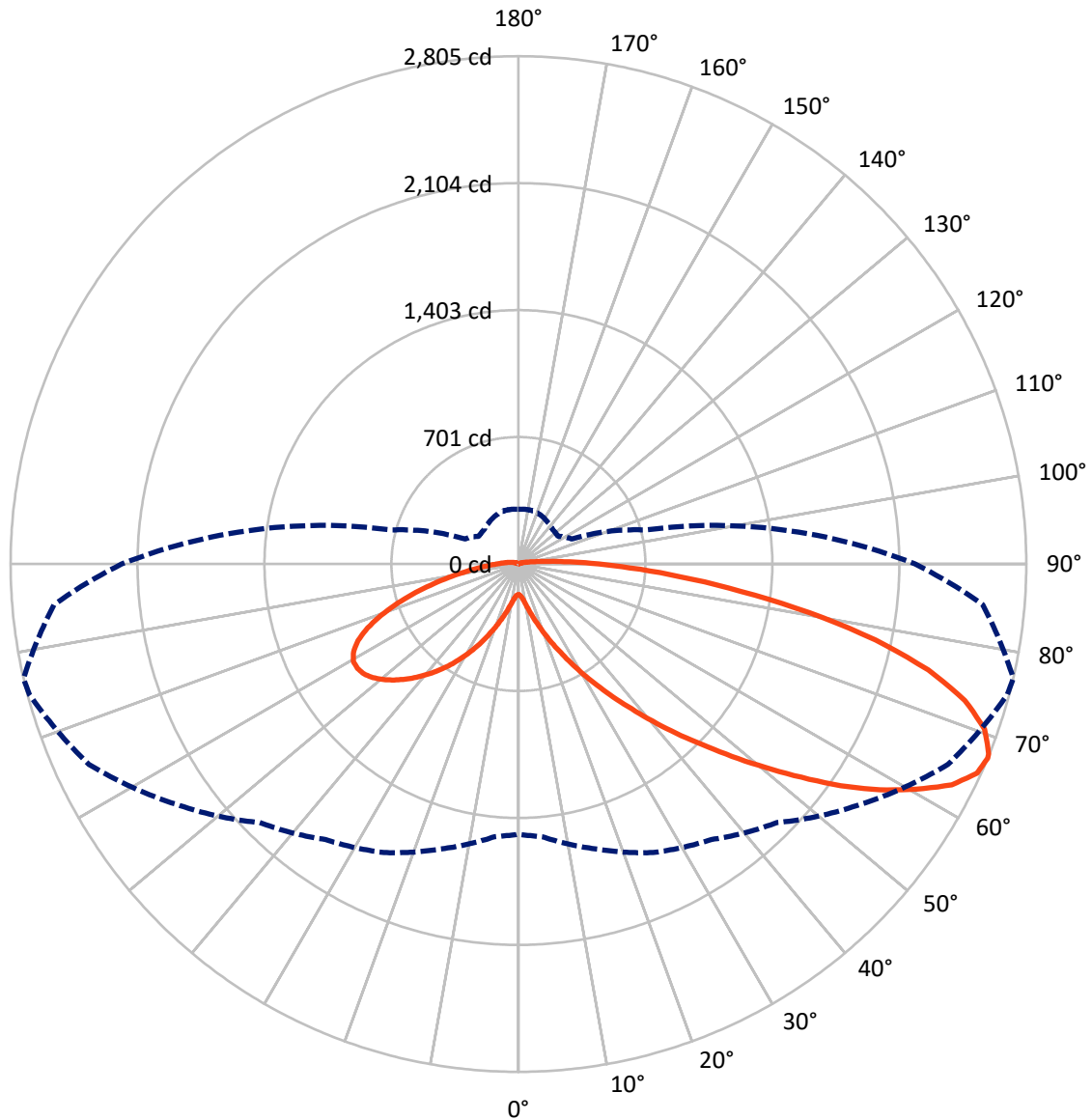
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P255123  
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P255123

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

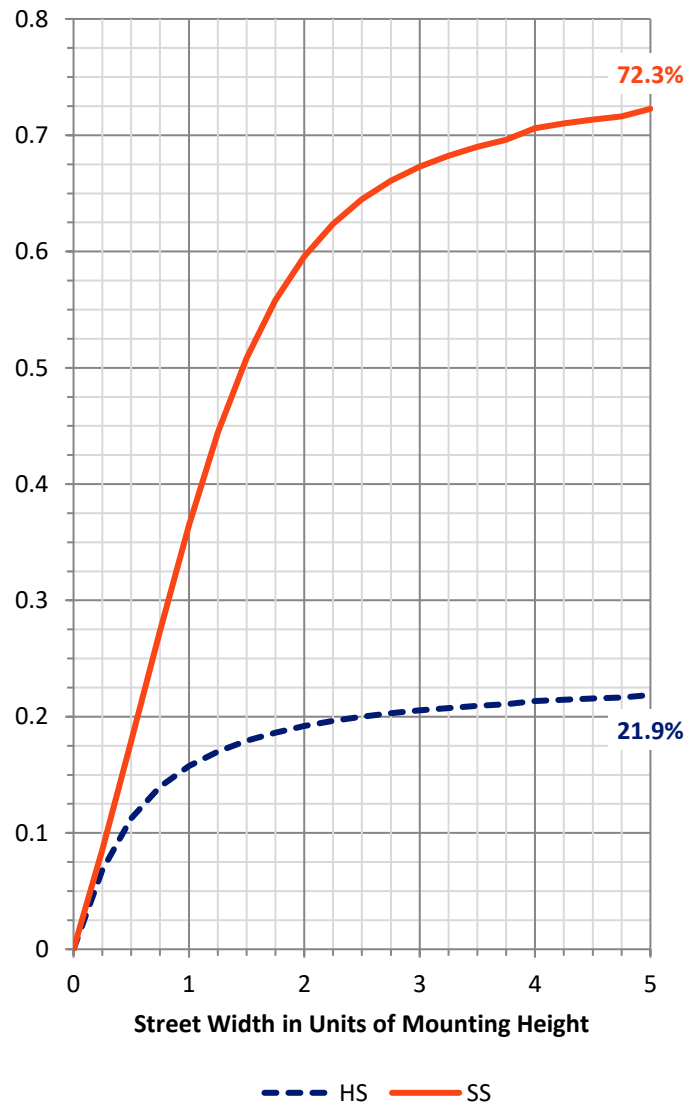
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1265.6	76.4	1342.0
	% Fixture	22.8	1.4	24.2
<b>Street Side</b>	Lumens	4109.2	91.1	4200.3
	% Fixture	74.1	1.6	75.8
<b>Total</b>	Lumens	5374.8	167.5	5542.3
	% Fixture	97.0	3.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.3	0.3
10°-20°	82.0	1.5
20°-30°	215.6	3.9
30°-40°	440.6	8.0
40°-50°	763.8	13.8
50°-60°	1132.9	20.4
60°-70°	1314.7	23.7
70°-80°	993.1	17.9
80°-90°	413.9	7.5
90°-100°	109.7	2.0
100°-110°	35.7	0.6
110°-120°	14.1	0.3
120°-130°	5.3	0.1
130°-140°	2.0	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°	5374.8	97.0
0°-180°	5542.3	100.0



REPORT NUMBER: P255123

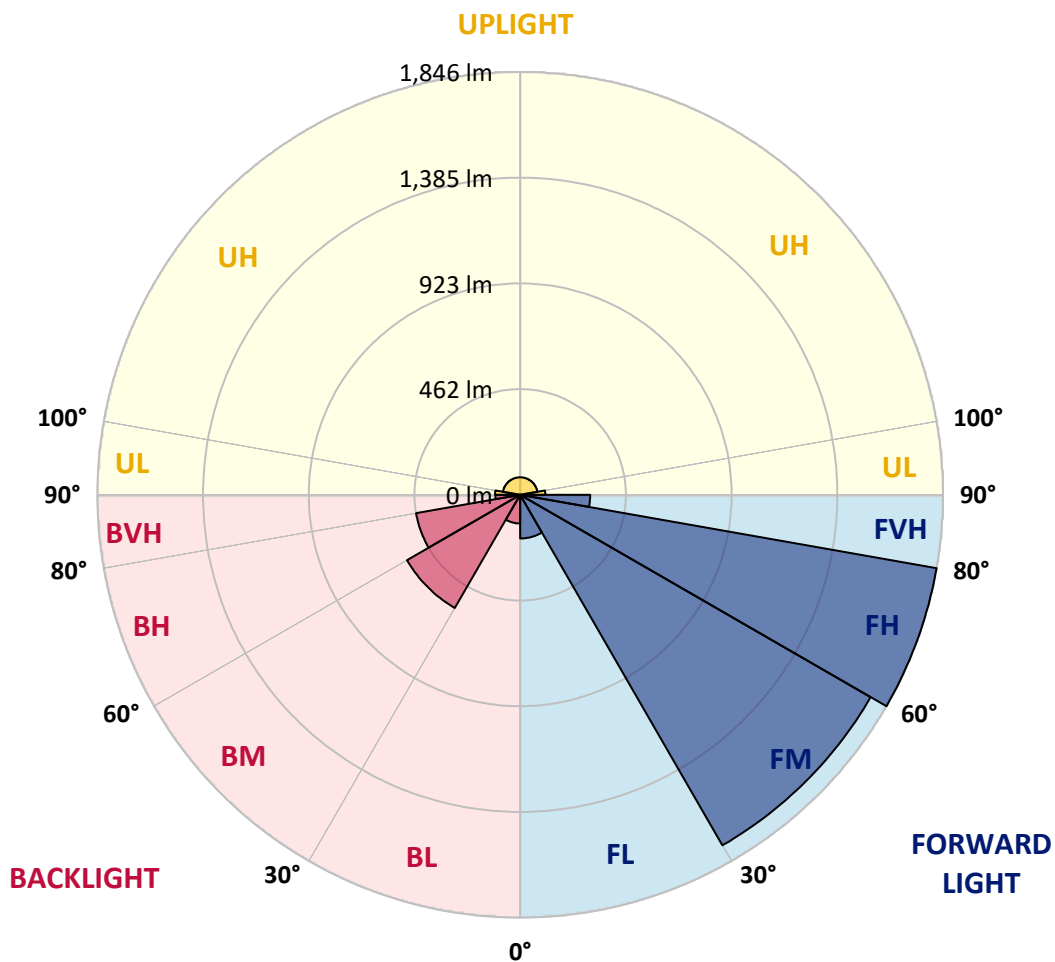
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.5	3.4			
FM (30°-60°)	1766.8	31.9			
FH (60°-80°)	1846.3	33.3			G2/5000
FVH (80°-90°)	305.7	5.5			G3/500
BL (0°-30°)	125.3	2.3	B1/500		
BM (30°-60°)	570.6	10.3	B1/1000		
BH (60°-80°)	461.5	8.3	B1/500		G1/500
BVH (80°-90°)	108.2	2.0			G2/225
UL (90°-100°)	109.7	2.0		U3/500	
UH (100°-180°)	76.4	1.4		U3/500	

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

Type IV Medium





REPORT NUMBER: P255123

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	178.0	178.0	179.3	178.6	178.6	177.3	176.7	174.7	173.4	173.4	172.7
5°	191.2	191.2	191.9	192.5	191.2	190.6	188.5	185.9	183.9	183.9	182.6
7.5°	211.0	211.0	210.4	211.0	210.4	209.1	206.4	205.1	201.1	201.8	199.8
10°	239.5	239.5	238.1	239.5	236.2	234.9	232.9	230.9	226.3	227.6	224.3
12.5°	279.9	279.9	278.5	276.6	271.9	269.2	268.0	266.7	262.7	263.3	259.3
15°	328.2	327.5	326.2	323.6	316.3	312.9	309.6	307.7	304.3	305.7	301.7
17.5°	385.0	383.7	379.1	375.1	367.9	362.5	357.9	356.0	352.0	352.6	347.4
20°	450.6	449.3	443.3	437.3	426.8	419.5	414.8	410.2	406.2	410.2	400.3
22.5°	527.9	529.3	516.7	507.5	491.6	482.3	476.4	472.4	468.4	471.8	460.5
25°	616.6	616.0	602.1	590.1	567.6	551.8	543.2	540.5	538.6	541.2	533.3
27.5°	718.5	715.9	700.7	675.6	650.4	625.9	614.7	616.6	616.0	618.0	610.0
30°	831.7	830.3	809.2	773.5	740.4	707.3	696.7	696.0	701.9	705.9	690.1
32.5°	956.8	958.1	929.6	883.3	834.3	797.9	788.0	789.3	797.3	796.6	784.7
35°	1095.0	1095.0	1065.2	1007.0	942.1	895.2	883.9	896.5	901.1	902.4	884.6
37.5°	1242.6	1240.5	1212.8	1137.3	1063.3	1001.7	981.8	997.8	1015.6	1013.6	995.1
40°	1400.7	1395.4	1359.0	1275.0	1185.0	1110.9	1088.4	1112.9	1138.6	1140.0	1117.5
42.5°	1551.5	1546.9	1509.2	1419.2	1311.3	1235.3	1210.2	1237.3	1274.3	1277.7	1237.3
45°	1693.1	1692.5	1658.1	1565.4	1447.7	1359.7	1334.5	1370.2	1421.9	1421.9	1379.6
47.5°	1826.8	1818.8	1796.3	1703.7	1592.5	1488.7	1464.3	1513.9	1585.3	1587.3	1537.6
50°	1929.3	1924.1	1912.8	1828.7	1715.6	1621.7	1599.2	1673.2	1756.6	1763.9	1703.0
52.5°	2000.2	1994.9	2003.4	1938.0	1836.0	1752.7	1744.7	1836.7	1945.2	1957.1	1884.4
55°	2027.9	2029.9	2057.7	2014.7	1934.0	1867.8	1896.2	2010.1	2138.4	2161.6	2066.3
57.5°	2014.0	2020.0	2068.9	2059.7	2003.4	1960.4	2035.2	2178.1	2332.2	2354.1	2245.0
60°	1941.3	1953.8	2026.0	2050.4	2029.2	2043.1	2158.2	2348.2	2516.2	2526.2	2416.3
62.5°	1822.8	1836.7	1931.3	1994.9	2008.8	2072.9	2248.2	2491.1	2669.1	2686.3	2526.2
65°	1654.7	1674.6	1779.8	1890.3	1945.9	2063.6	2307.2	2583.7	2766.3	2784.2	2581.7
67°	1492.0	1511.8	1628.3	1758.7	1857.9	2020.0	2311.8	2618.1	2794.7	2805.3	2574.5
67.5°	1447.7	1468.1	1584.7	1720.9	1830.1	2002.7	2307.8	2621.4	2794.7	2801.4	2564.5
70°	1205.5	1232.7	1351.0	1507.8	1652.1	1883.7	2249.6	2579.7	2745.1	2732.6	2443.4
72.5°	953.4	978.6	1094.4	1260.4	1425.8	1703.7	2118.5	2456.6	2594.3	2579.1	2244.3
75°	712.6	733.8	845.0	1006.4	1181.7	1467.5	1913.4	2256.8	2354.1	2338.3	1969.1
77.5°	510.1	527.3	623.3	771.5	933.5	1210.2	1637.5	1973.7	2034.5	2016.0	1634.9
80°	350.7	371.2	440.0	572.3	711.3	946.8	1320.6	1607.8	1650.1	1630.9	1277.7
82.5°	231.6	242.8	303.7	410.9	526.6	717.9	1009.7	1247.2	1283.6	1237.3	947.5
85°	150.9	153.5	199.8	282.5	379.8	521.4	740.4	916.4	932.9	898.5	674.2
87.5°	92.7	96.6	129.0	185.3	262.0	367.2	523.3	640.5	643.1	615.3	455.2
90°	59.5	62.2	82.7	120.4	178.0	250.1	352.6	425.4	423.4	401.6	290.4
92.5°	41.0	42.4	57.6	82.7	115.8	164.8	226.3	268.6	264.6	252.1	183.3
95°	29.8	31.1	42.4	60.3	80.7	108.5	141.0	162.8	158.1	150.2	115.1
97.5°	21.8	23.1	32.4	45.6	60.3	74.8	90.6	97.3	96.0	92.0	76.7
100°	16.6	17.9	25.2	35.7	47.0	55.5	63.5	64.1	62.2	60.9	55.5
102.5°	13.9	14.5	20.6	29.8	38.4	44.3	47.7	47.0	44.3	43.7	41.0
105°	11.9	12.6	17.9	25.2	31.7	37.0	38.4	36.4	33.0	32.4	31.1
107.5°	10.5	10.5	15.2	21.8	27.8	31.1	31.7	28.4	24.4	23.8	23.1



REPORT NUMBER: P255123

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	9.3	9.3	13.2	18.5	23.8	26.5	26.5	22.5	17.2	16.6	17.2
112.5°	8.0	8.6	11.3	15.9	20.6	22.5	21.8	17.9	12.6	11.9	12.6
115°	7.3	7.3	9.9	13.9	17.2	19.2	17.9	13.2	9.3	8.6	9.3
117.5°	6.6	6.6	8.6	11.9	14.5	15.9	14.5	10.5	6.6	6.6	7.3
120°	5.9	5.9	7.3	9.9	12.6	13.2	11.3	8.0	5.3	5.3	5.9
122.5°	5.3	5.3	6.6	8.6	10.5	10.5	9.3	5.9	4.0	4.0	4.6
125°	4.6	5.3	5.9	7.3	8.6	8.6	7.3	4.6	3.3	4.0	4.6
127.5°	4.6	4.6	5.3	5.9	7.3	7.3	5.9	3.3	3.3	3.3	4.0
130°	4.0	4.0	4.6	5.3	5.9	5.9	4.6	2.7	3.3	3.3	4.0
132.5°	4.0	4.0	4.0	4.6	4.6	4.6	3.3	2.7	2.7	3.3	3.3
135°	3.3	3.3	3.3	4.0	4.0	3.3	1.9	1.9	2.7	2.7	3.3
137.5°	2.7	2.7	3.3	2.7	2.7	2.7	1.9	1.9	2.7	2.7	2.7
140°	2.7	2.7	2.7	1.9	1.9	1.3	1.3	1.9	1.9	2.7	2.7
142.5°	1.3	1.9	1.9	1.3	1.3	0.6	1.3	1.3	1.9	1.9	1.9
145°	0.6	0.6	1.3	0.6	0.6	0.6	0.6	1.3	1.3	1.9	1.9
147.5°	0.0	0.6	0.6	0.6	0.0	0.0	0.6	0.6	1.3	1.3	1.3
150°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	1.3	1.3	1.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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: P255123

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4	169.4
2.5°	172.1	171.3	169.4	168.1	167.4	166.7	166.0	165.4	165.4	165.4	165.4
5°	181.3	180.7	177.3	174.7	172.7	170.7	169.4	168.1	167.4	166.7	166.0
7.5°	197.8	195.9	191.9	187.2	182.6	178.6	175.9	174.7	172.7	172.1	171.3
10°	222.3	220.3	213.1	205.1	197.8	191.9	187.2	184.6	183.3	182.0	182.0
12.5°	256.0	254.7	242.1	232.2	218.3	209.1	203.8	201.8	201.1	199.8	200.5
15°	296.5	293.8	277.2	262.0	243.5	232.2	224.3	221.0	219.6	217.7	218.3
17.5°	342.7	334.1	315.0	291.7	269.2	255.4	244.8	238.9	236.9	235.6	236.2
20°	393.6	385.0	356.0	322.8	295.7	277.9	263.3	256.0	253.4	253.4	253.4
22.5°	452.6	441.3	401.0	356.6	320.9	295.7	279.2	271.9	269.2	269.2	270.0
25°	520.1	501.6	449.9	392.3	344.7	311.0	293.8	285.8	283.9	283.9	284.5
27.5°	593.5	568.4	500.2	424.7	361.9	321.5	303.0	296.5	295.1	295.1	295.7
30°	673.5	640.5	551.8	453.9	375.1	328.2	308.3	303.0	302.4	303.0	303.0
32.5°	758.2	720.6	602.7	478.3	383.7	331.4	311.6	308.3	307.7	309.0	307.7
35°	850.2	799.9	653.7	498.2	389.0	332.2	312.9	311.0	311.0	310.3	309.6
37.5°	949.4	882.6	700.7	512.8	389.0	330.8	312.3	311.6	311.6	310.3	309.0
40°	1063.3	972.6	744.3	521.4	385.0	326.8	311.0	311.0	310.3	307.7	306.4
42.5°	1173.7	1065.9	786.0	522.7	378.5	321.5	309.0	310.3	309.0	303.7	302.4
45°	1296.8	1167.1	823.1	520.7	369.2	316.3	307.0	309.6	307.0	300.3	299.0
47.5°	1439.7	1276.3	855.5	512.8	357.3	310.3	304.3	307.7	306.4	298.4	297.1
50°	1586.6	1385.5	881.3	501.6	345.3	305.0	302.4	307.0	305.7	297.1	295.7
52.5°	1740.1	1498.6	899.8	483.7	332.8	299.7	300.3	306.4	306.4	297.8	296.5
55°	1892.3	1601.1	908.4	461.1	319.6	295.1	298.4	306.4	308.3	299.7	298.4
57.5°	2032.5	1683.9	903.8	435.4	307.0	289.8	297.1	305.7	309.6	301.7	300.3
60°	2149.6	1756.6	883.9	407.5	296.5	285.2	295.1	305.7	310.3	304.3	303.0
62.5°	2221.1	1782.5	843.6	377.8	285.8	279.9	291.7	304.3	309.6	305.0	303.7
65°	2235.0	1762.6	786.0	349.3	275.9	273.9	286.5	300.3	307.7	305.0	303.0
67°	2191.4	1703.7	725.8	326.8	267.3	268.0	281.8	296.5	305.0	304.3	301.7
67.5°	2172.1	1681.8	710.6	320.9	266.0	266.0	280.5	295.1	304.3	303.7	301.7
70°	2043.8	1550.9	623.3	293.1	255.4	257.4	271.9	288.5	298.4	299.0	297.8
72.5°	1839.4	1367.6	535.3	266.7	243.5	246.1	260.6	277.2	288.5	289.8	287.9
75°	1570.0	1151.9	448.0	242.8	230.3	232.2	246.8	262.7	274.6	276.6	274.6
77.5°	1298.1	921.7	365.9	220.3	214.4	217.7	230.3	244.8	256.0	257.4	256.0
80°	993.1	699.4	291.7	199.2	197.1	200.5	211.0	223.6	233.5	234.9	233.5
82.5°	729.2	512.8	230.9	178.0	177.3	180.7	189.2	201.1	209.1	209.7	207.8
85°	520.1	361.9	183.9	154.8	156.1	157.4	165.4	174.7	181.3	182.0	178.0
87.5°	348.7	246.8	143.6	133.0	134.3	134.3	138.9	146.9	151.5	150.9	147.5
90°	227.6	168.1	115.8	113.1	113.8	113.8	115.8	121.1	125.0	123.1	121.1
92.5°	146.9	117.7	95.2	96.6	96.6	95.2	96.0	99.9	101.9	99.9	98.6
95°	99.9	86.6	79.4	81.4	82.0	79.4	79.4	81.4	82.7	80.1	78.1
97.5°	72.1	66.8	65.5	68.8	68.1	66.2	64.9	65.5	66.2	62.8	61.6
100°	54.2	52.9	53.6	57.6	56.9	54.9	53.6	52.9	52.3	49.0	48.3
102.5°	42.4	41.6	44.3	47.7	47.0	45.0	43.7	43.0	41.6	37.7	37.7
105°	32.4	33.0	36.4	39.7	39.1	37.7	36.4	35.1	32.4	29.2	29.2
107.5°	24.4	25.8	29.8	33.0	32.4	31.1	29.8	28.4	25.2	22.5	22.5



REPORT NUMBER: P255123

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	18.5	19.8	23.8	27.1	26.5	25.8	24.4	22.5	19.2	17.2	16.6
112.5°	13.9	15.2	19.2	21.8	21.8	21.2	19.8	17.9	14.5	13.2	12.6
115°	10.5	11.9	15.2	17.2	17.2	16.6	15.9	13.9	10.5	9.9	9.9
117.5°	8.6	9.3	11.9	13.9	13.9	13.2	12.6	10.5	8.0	8.0	8.0
120°	6.6	7.3	9.3	10.5	10.5	9.9	9.3	8.0	5.9	5.9	5.9
122.5°	5.9	5.9	7.3	8.6	8.0	8.0	7.3	5.9	4.6	4.6	4.6
125°	4.6	5.3	5.9	6.6	5.9	5.9	5.3	4.6	4.0	4.0	4.0
127.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.0	3.3	2.7	3.3	3.3
130°	4.0	4.0	4.0	4.0	3.3	3.3	2.7	1.9	1.9	2.7	2.7
132.5°	4.0	4.0	4.0	3.3	2.7	1.9	1.9	1.3	1.9	1.9	1.9
135°	3.3	3.3	3.3	2.7	1.9	1.3	0.6	0.6	1.3	1.3	1.3
137.5°	3.3	3.3	2.7	2.7	1.9	0.6	0.0	0.6	0.6	0.6	0.6
140°	2.7	2.7	2.7	1.9	1.3	0.6	0.0	0.0	0.6	0.6	0.0
142.5°	2.7	2.7	1.9	1.3	0.6	0.0	0.0	0.0	0.6	0.0	0.0
145°	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.3	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	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)