

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: P254954

Luminaire Tested: **LXF.LXT-AF24-70-D-U-SL3-FL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254954  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-31)  
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-FL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6408 lumens  
Efficiency: N/A  
Efficacy: 86.6 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): 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

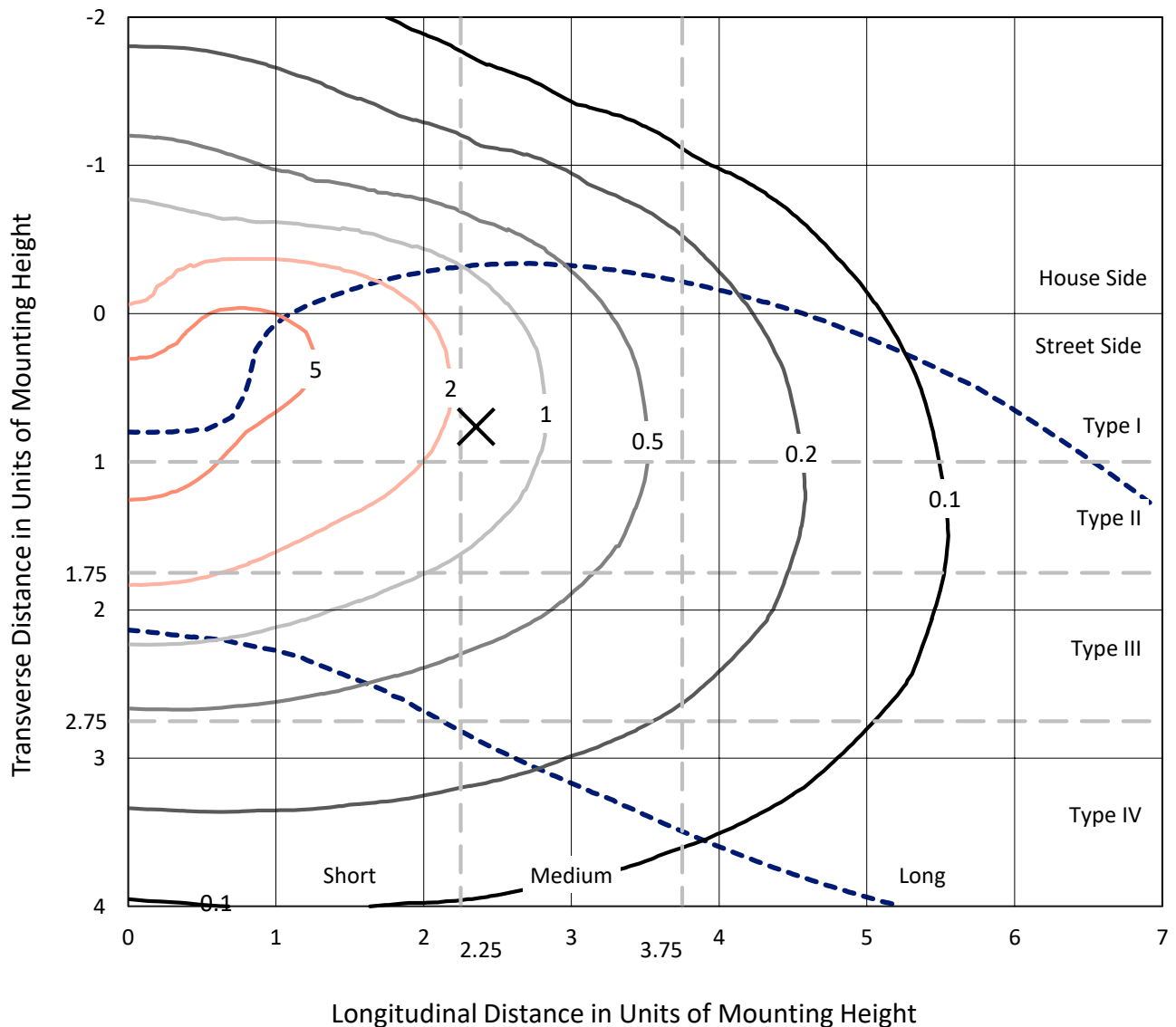


REPORT NUMBER: P254954

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

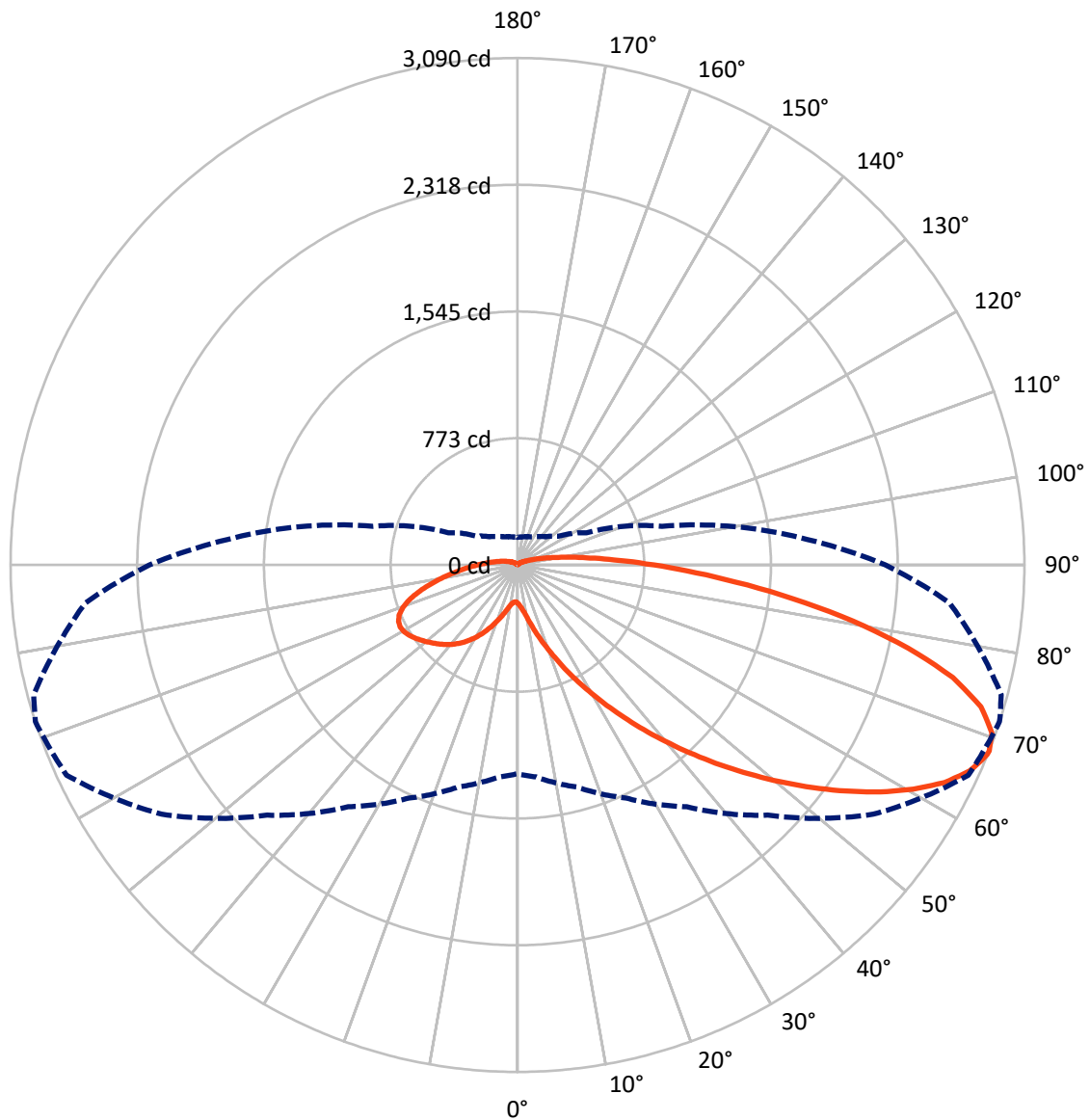


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P254954

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

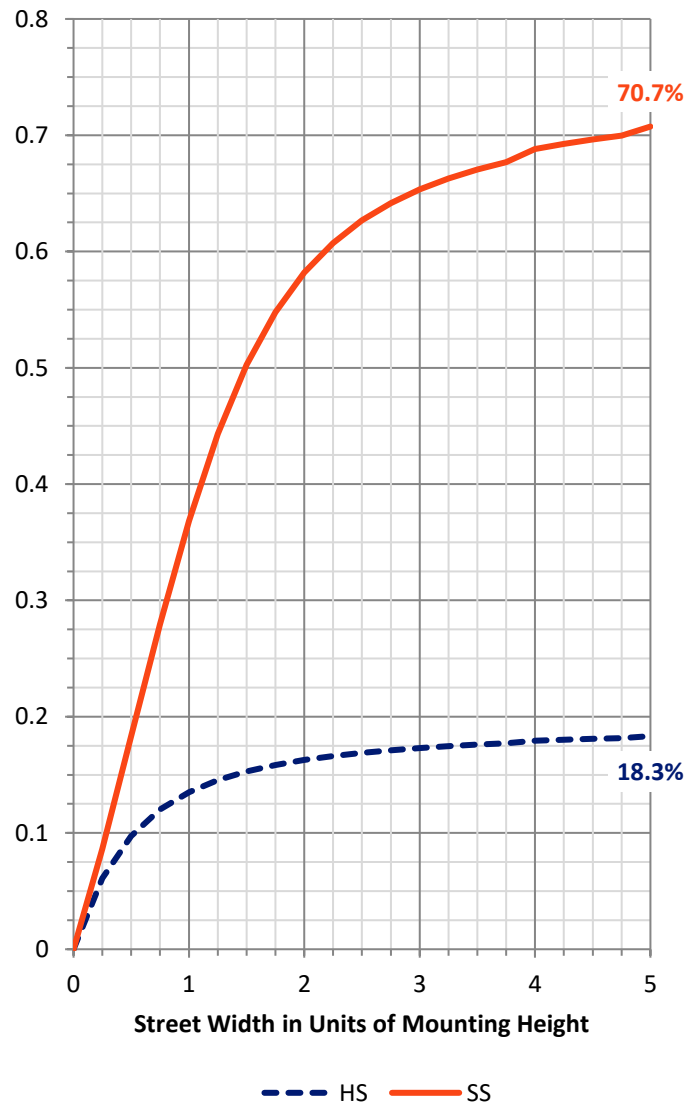
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1231.5	146.7	1378.2
	% Fixture	19.2	2.3	21.5
<b>Street Side</b>	Lumens	4727.4	302.4	5029.8
	% Fixture	73.8	4.7	78.5
<b>Total</b>	Lumens	5958.9	449.1	6408.0
	% Fixture	93.0	7.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.5	0.4
10°-20°	101.8	1.6
20°-30°	251.6	3.9
30°-40°	492.3	7.7
40°-50°	820.3	12.8
50°-60°	1168.5	18.2
60°-70°	1353.8	21.1
70°-80°	1130.6	17.6
80°-90°	615.5	9.6
90°-100°	258.4	4.0
100°-110°	107.6	1.7
110°-120°	48.5	0.8
120°-130°	22.6	0.4
130°-140°	9.4	0.1
140°-150°	2.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5958.9	93.0
0°-180°	6408.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P254954

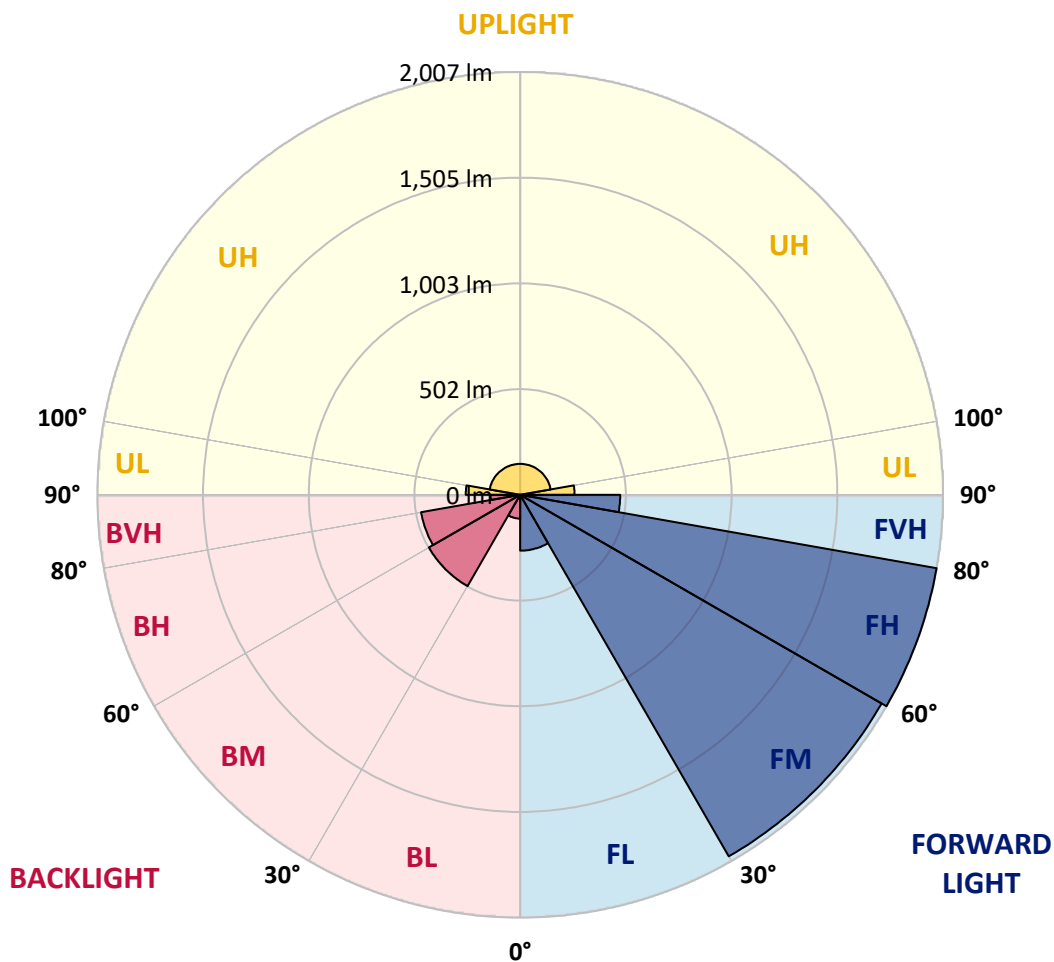
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.1	4.1			
FM	(30°-60°)	1981.0	30.9			
FH	(60°-80°)	2006.8	31.3			G2/5000
FVH	(80°-90°)	474.5	7.4			G3/500
BL	(0°-30°)	112.8	1.8	B1/500		
BM	(30°-60°)	500.1	7.8	B1/1000		
BH	(60°-80°)	477.6	7.5	B1/500		G1/500
BVH	(80°-90°)	141.0	2.2			G2/225
UL	(90°-100°)	258.4	4.0		U3/500	
UH	(100°-180°)	146.7	2.3		U3/500	

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

Type IV Medium





REPORT NUMBER: P254954

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	266.6	266.6	267.4	265.1	262.6	260.1	254.5	249.6	245.7	243.1	238.3
5°	303.0	304.0	302.3	299.9	295.9	290.2	282.0	272.3	264.2	262.6	251.3
7.5°	346.1	346.1	344.5	340.5	335.5	327.4	315.3	302.3	290.9	288.6	271.5
10°	395.5	395.5	394.7	388.2	380.9	371.2	356.6	342.8	327.4	322.6	299.9
12.5°	453.9	453.1	450.5	442.5	433.6	421.4	405.3	388.2	373.6	367.9	340.5
15°	517.2	517.2	513.8	503.2	492.8	478.2	463.6	448.9	430.4	423.9	389.1
17.5°	586.8	585.9	579.5	569.8	555.1	543.8	530.0	513.1	492.8	484.7	444.1
20°	665.4	662.9	654.0	641.2	628.1	613.5	599.8	576.3	559.2	554.4	507.4
22.5°	754.6	750.5	739.1	721.3	706.0	688.2	673.5	653.3	637.8	628.9	582.7
25°	854.2	852.7	838.8	809.6	787.8	767.5	752.9	743.2	729.5	716.4	662.9
27.5°	962.8	958.7	936.2	907.0	872.9	850.1	836.4	829.1	821.0	813.8	751.2
30°	1079.6	1077.1	1047.1	1010.6	965.3	936.2	926.4	927.2	925.5	918.3	849.4
32.5°	1206.0	1204.4	1167.1	1120.9	1064.1	1025.3	1022.7	1035.0	1037.4	1032.5	954.7
35°	1341.3	1339.7	1296.8	1239.2	1167.9	1122.5	1125.7	1149.3	1159.8	1155.8	1067.4
37.5°	1479.2	1477.5	1432.9	1362.4	1274.8	1223.0	1232.8	1271.7	1291.9	1288.6	1187.3
40°	1630.7	1616.1	1569.8	1485.6	1386.0	1328.4	1350.2	1402.2	1432.1	1420.8	1313.0
42.5°	1762.0	1751.4	1701.1	1607.2	1498.6	1445.8	1472.6	1540.7	1581.2	1578.0	1447.4
45°	1877.8	1873.0	1823.5	1723.0	1611.2	1558.6	1601.5	1689.0	1739.3	1730.3	1589.2
47.5°	1982.4	1974.4	1929.0	1827.6	1715.0	1676.9	1735.2	1841.3	1903.9	1898.2	1736.0
50°	2052.9	2049.7	2010.0	1913.5	1811.4	1779.0	1875.4	2006.8	2077.2	2070.8	1888.4
52.5°	2085.3	2084.5	2057.8	1976.7	1894.1	1898.9	2018.0	2176.1	2253.9	2251.5	2046.4
55°	2074.9	2074.0	2064.2	2010.8	1958.9	1998.6	2160.7	2348.7	2432.9	2431.4	2199.6
57.5°	2012.4	2015.7	2028.6	2009.2	2001.8	2090.2	2298.5	2517.4	2609.7	2604.8	2349.5
60°	1893.3	1900.6	1941.9	1966.2	2013.9	2155.0	2425.8	2683.5	2774.2	2766.1	2485.7
62.5°	1729.6	1746.5	1808.1	1881.9	1989.7	2198.9	2539.1	2831.0	2920.9	2903.9	2580.4
65°	1534.2	1553.6	1637.1	1758.7	1929.0	2205.3	2620.2	2951.7	3029.5	3007.7	2646.2
67.5°	1317.0	1341.3	1442.7	1602.3	1825.9	2170.4	2649.4	3026.3	3087.8	3053.0	2652.7
68°	1272.5	1296.8	1401.2	1567.5	1799.3	2156.7	2648.7	3032.8	3090.3	3053.0	2643.0
70°	1099.0	1125.0	1239.2	1423.2	1693.1	2087.7	2617.0	3025.5	3068.4	3023.1	2578.1
72.5°	901.3	927.2	1042.3	1237.6	1530.1	1945.9	2506.0	2934.7	2955.0	2901.5	2421.7
75°	723.8	750.5	861.5	1058.5	1353.5	1777.3	2322.0	2745.0	2741.0	2678.6	2185.8
77.5°	572.9	597.3	702.6	889.1	1172.0	1571.4	2085.3	2462.1	2435.5	2369.9	1886.0
80°	450.5	472.5	568.1	739.1	996.9	1355.9	1802.4	2117.8	2073.2	2005.9	1563.4
82.5°	351.7	372.0	456.2	607.8	835.7	1146.0	1498.6	1753.8	1692.3	1630.7	1253.8
85°	274.8	290.9	365.5	496.0	690.5	947.4	1232.8	1400.4	1335.7	1282.1	977.5
87.5°	214.8	228.6	291.7	402.8	569.8	769.9	983.2	1090.9	1030.1	986.4	749.7
90°	168.6	178.3	235.0	326.5	459.6	620.8	772.4	837.3	783.0	748.9	572.2
92.5°	133.8	141.1	187.3	265.1	370.4	492.8	598.0	634.6	589.2	564.1	434.5
95°	107.0	112.6	151.6	216.5	301.4	389.8	460.3	479.0	443.4	423.9	329.9
97.5°	87.5	91.6	124.8	175.9	241.6	309.6	356.6	364.0	334.8	320.1	252.1
100°	72.9	75.4	102.9	145.9	196.1	246.4	277.9	278.8	254.5	242.3	192.1
102.5°	61.6	63.3	85.9	121.6	162.1	197.8	218.8	214.8	192.9	183.1	147.5
105°	52.7	54.3	72.1	102.1	135.4	160.5	172.6	166.2	147.5	140.2	114.2
107.5°	46.2	47.0	60.7	85.9	113.5	132.1	139.5	130.4	114.2	107.8	89.9



REPORT NUMBER: P254954

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
110°	40.5	41.3	51.9	73.8	95.6	111.0	113.5	102.9	89.1	84.2	72.1
112.5°	35.6	36.5	45.4	62.4	81.8	93.2	94.0	82.7	70.5	66.4	58.4
115°	32.4	33.3	39.7	53.5	69.7	78.6	77.8	66.4	55.9	52.7	47.8
117.5°	29.9	30.8	35.6	46.2	60.0	66.4	64.8	54.3	45.4	42.9	40.5
120°	27.6	28.4	31.5	39.7	51.1	56.7	53.5	43.8	37.2	35.6	34.1
122.5°	25.9	25.9	28.4	34.9	43.8	47.8	44.6	36.5	30.8	29.2	29.2
125°	23.5	24.4	25.9	29.9	37.2	40.5	37.2	29.9	25.1	25.1	25.1
127.5°	22.7	22.7	23.5	26.8	31.5	34.1	30.8	24.4	21.1	21.1	21.9
130°	21.1	21.1	21.1	23.5	26.8	27.6	24.4	19.4	17.8	17.8	18.7
132.5°	19.4	19.4	19.4	20.2	21.9	21.9	19.4	16.2	15.4	15.4	16.2
135°	17.8	17.8	17.1	17.1	17.8	17.1	15.4	13.0	12.1	13.0	13.7
137.5°	15.4	15.4	15.4	14.6	13.7	13.0	10.5	9.8	9.8	10.5	11.4
140°	13.0	13.0	13.0	11.4	10.5	9.0	7.3	6.4	7.3	8.0	9.0
142.5°	10.5	10.5	10.5	9.0	7.3	5.7	4.1	4.1	4.9	5.7	6.4
145°	8.0	8.0	8.0	6.4	4.9	3.3	2.4	3.3	4.1	4.1	4.9
147.5°	5.7	5.7	5.7	4.1	2.4	0.8	0.8	2.4	3.3	3.3	4.1
150°	3.3	3.3	3.3	1.6	0.8	0.0	0.0	1.6	2.4	2.4	3.3
152.5°	0.8	0.8	1.6	0.8	0.0	0.0	0.0	0.8	1.6	1.6	2.4
155°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
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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CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	235.0	232.6	226.9	221.2	216.5	212.3	209.1	207.5	205.9	205.1	203.4
5°	245.7	240.0	228.6	218.0	208.2	200.2	192.1	187.3	184.0	181.6	180.8
7.5°	263.5	254.5	237.4	221.2	205.9	191.3	181.6	175.1	169.4	166.2	165.3
10°	289.3	277.9	252.8	229.3	208.2	189.7	175.9	166.2	159.6	156.5	156.5
12.5°	326.5	309.6	276.3	243.9	214.8	191.3	174.3	165.3	160.5	158.0	158.0
15°	372.8	350.1	307.1	265.1	227.7	198.6	181.6	171.9	166.9	164.6	164.6
17.5°	423.9	394.7	341.2	287.7	240.7	211.5	189.7	178.3	172.6	170.2	170.2
20°	482.3	448.9	377.7	310.4	257.8	223.7	198.6	184.0	178.3	176.7	175.9
22.5°	548.7	505.8	417.4	333.9	274.8	233.4	205.9	188.8	184.0	182.4	182.4
25°	622.4	570.6	460.3	359.0	288.6	240.7	211.5	194.5	188.8	188.0	187.3
27.5°	700.3	639.5	503.2	383.4	299.1	244.7	214.8	199.4	192.9	192.9	192.1
30°	791.0	711.6	544.6	403.6	305.6	246.4	215.6	201.8	196.1	197.0	197.8
32.5°	881.8	787.8	585.9	421.4	310.4	247.2	215.6	202.5	197.0	199.4	199.4
35°	978.2	866.4	625.7	436.1	312.8	246.4	215.6	204.2	197.8	200.2	201.0
37.5°	1079.6	946.6	663.8	447.4	314.4	245.7	215.6	204.2	198.6	201.0	201.0
40°	1183.3	1026.8	700.3	455.5	314.4	244.7	214.8	204.2	200.2	200.2	201.0
42.5°	1295.2	1110.3	733.4	461.9	314.4	243.1	214.8	204.2	198.6	199.4	200.2
45°	1413.5	1196.3	765.1	466.9	313.7	243.1	213.9	203.4	197.8	197.0	197.8
47.5°	1529.4	1285.4	795.9	471.7	312.8	243.9	213.9	202.5	196.1	192.9	193.7
50°	1657.5	1377.8	827.5	474.9	313.7	243.9	214.8	201.8	193.7	189.7	190.4
52.5°	1783.8	1470.2	858.3	479.0	313.7	244.7	214.8	200.2	191.3	185.6	186.4
55°	1917.6	1561.8	888.3	483.0	314.4	245.7	215.6	198.6	188.8	182.4	183.1
57.5°	2034.3	1649.3	915.0	485.4	314.4	247.2	215.6	197.8	186.4	179.0	179.0
60°	2141.3	1730.3	936.9	486.3	314.4	247.2	215.6	196.1	184.7	175.9	175.9
62.5°	2222.4	1784.6	947.4	484.7	312.8	247.2	214.8	194.5	183.1	173.4	173.4
65°	2263.7	1808.1	942.6	479.0	311.2	246.4	213.9	192.1	180.8	171.9	171.0
67.5°	2253.2	1790.3	919.1	467.6	307.1	243.9	211.5	188.8	179.0	170.2	168.6
68°	2242.5	1776.5	911.8	464.4	304.8	243.1	210.8	188.8	178.3	170.2	168.6
70°	2171.2	1717.3	873.6	450.5	300.7	240.0	208.2	185.6	175.9	168.6	166.9
72.5°	2020.5	1589.2	809.6	427.1	290.9	234.3	202.5	181.6	172.6	166.2	163.7
75°	1804.1	1418.3	729.5	399.6	278.8	226.9	195.3	175.9	167.7	162.1	159.6
77.5°	1557.7	1217.3	641.2	366.3	264.2	218.0	187.3	169.4	162.1	157.3	153.2
80°	1288.6	1010.6	552.0	331.5	248.0	206.7	178.3	161.2	154.8	149.1	145.9
82.5°	1033.4	818.6	467.6	298.3	228.6	192.1	167.7	151.6	145.1	140.2	136.1
85°	809.6	652.4	391.4	264.2	210.8	179.0	156.5	141.1	135.4	129.7	125.6
87.5°	627.2	513.1	328.3	232.6	190.4	164.6	145.1	130.4	124.0	117.6	114.2
90°	484.7	403.6	271.5	202.5	172.6	150.8	133.0	119.1	111.9	106.2	102.9
92.5°	373.6	318.5	225.3	177.5	153.9	136.1	120.7	108.6	100.5	93.2	90.8
95°	289.3	252.1	187.3	153.9	137.0	122.4	109.4	97.2	88.4	81.1	78.6
97.5°	225.3	199.4	155.5	133.0	120.7	108.6	97.2	86.8	77.8	69.0	67.3
100°	174.3	158.0	130.4	115.0	106.2	95.6	85.9	77.0	66.4	58.4	57.6
102.5°	137.0	126.4	109.4	99.7	92.5	84.2	76.2	67.3	56.7	48.6	47.8
105°	108.6	102.1	91.6	85.1	80.2	73.8	67.3	58.4	47.0	40.5	40.5
107.5°	86.8	82.7	77.0	72.9	69.7	64.0	58.4	49.3	38.9	33.3	34.1



REPORT NUMBER: P254954

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-SL3-FL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	70.5	68.1	64.8	63.3	60.7	55.9	50.3	42.2	32.4	27.6	28.4
112.5°	57.6	56.7	55.0	54.3	52.7	48.6	42.9	34.9	25.9	23.5	23.5
115°	47.8	47.0	47.0	46.2	45.4	42.2	36.5	29.2	21.1	19.4	19.4
117.5°	40.5	40.5	39.7	39.7	38.9	35.6	30.8	24.4	17.1	16.2	16.2
120°	34.1	34.1	34.1	34.1	33.3	29.9	25.9	19.4	13.7	13.7	13.7
122.5°	29.2	29.9	29.2	29.2	28.4	25.9	21.1	15.4	11.4	11.4	12.1
125°	25.1	25.1	25.1	24.4	23.5	21.1	17.1	12.1	9.8	9.8	9.8
127.5°	21.9	21.9	21.9	21.1	19.4	17.8	13.7	9.8	8.0	8.0	8.0
130°	19.4	18.7	18.7	17.8	16.2	13.7	10.5	7.3	6.4	6.4	6.4
132.5°	16.2	16.2	15.4	14.6	13.0	10.5	8.0	4.9	4.9	5.7	5.7
135°	13.7	13.7	13.0	11.4	9.8	8.0	5.7	4.1	4.1	4.1	4.1
137.5°	11.4	11.4	10.5	9.0	7.3	4.9	3.3	2.4	2.4	3.3	3.3
140°	9.0	9.0	8.0	6.4	4.9	3.3	1.6	0.8	1.6	1.6	1.6
142.5°	6.4	6.4	5.7	4.1	2.4	1.6	0.0	0.8	0.8	0.8	0.8
145°	4.9	4.9	4.1	3.3	1.6	0.8	0.0	0.0	0.8	0.0	0.0
147.5°	4.1	4.1	3.3	2.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	2.4	2.4	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.4	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)