

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: P416381

Luminaire Tested: **LXF.LXT-PA1-70-750-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 7610 lumens  
Efficiency: N/A  
Efficacy: 102.8 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: B2 - U3 - G4

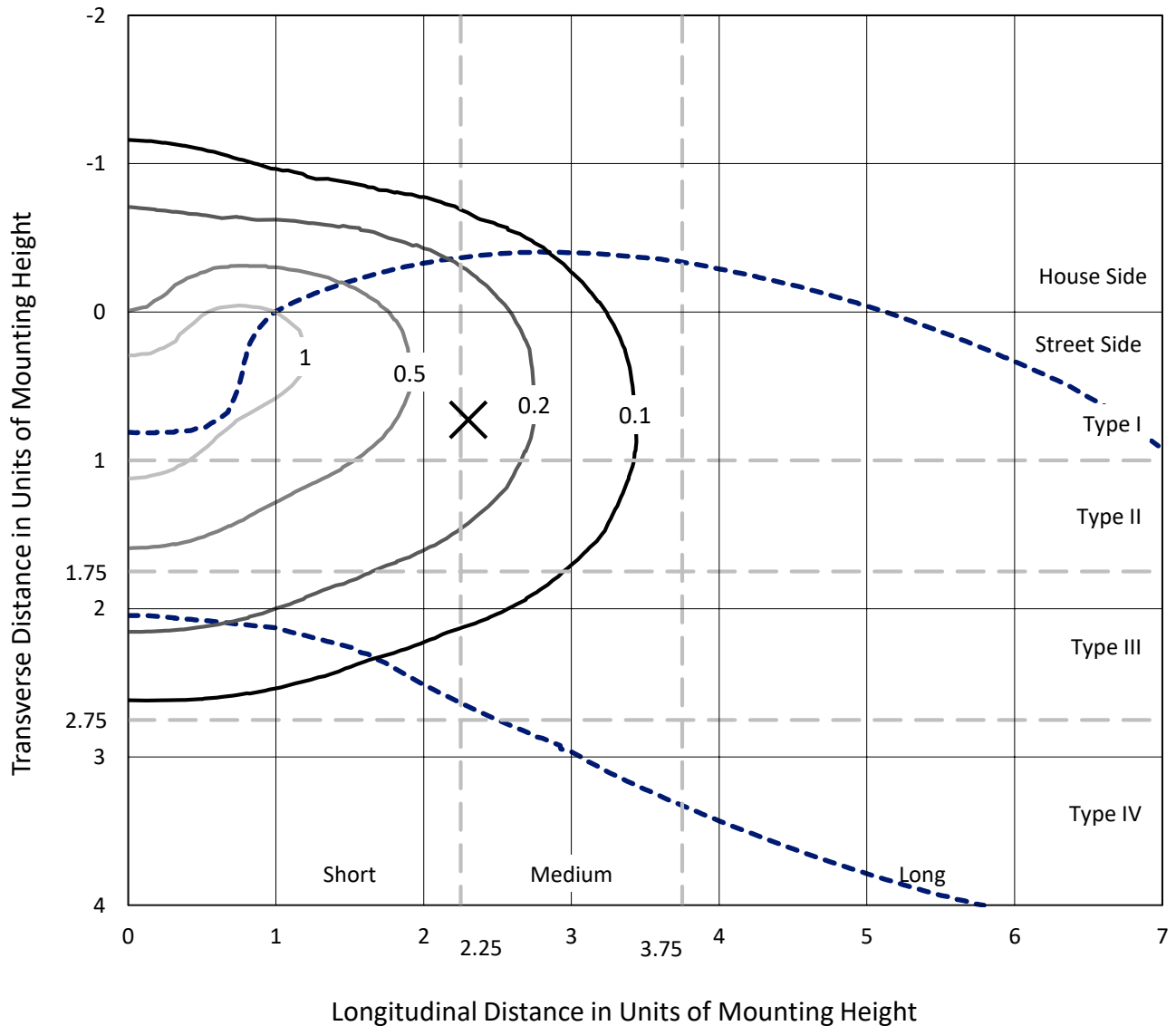
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416381  
 CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

### Iso-Footcandle Lines of Horizontal Illumination

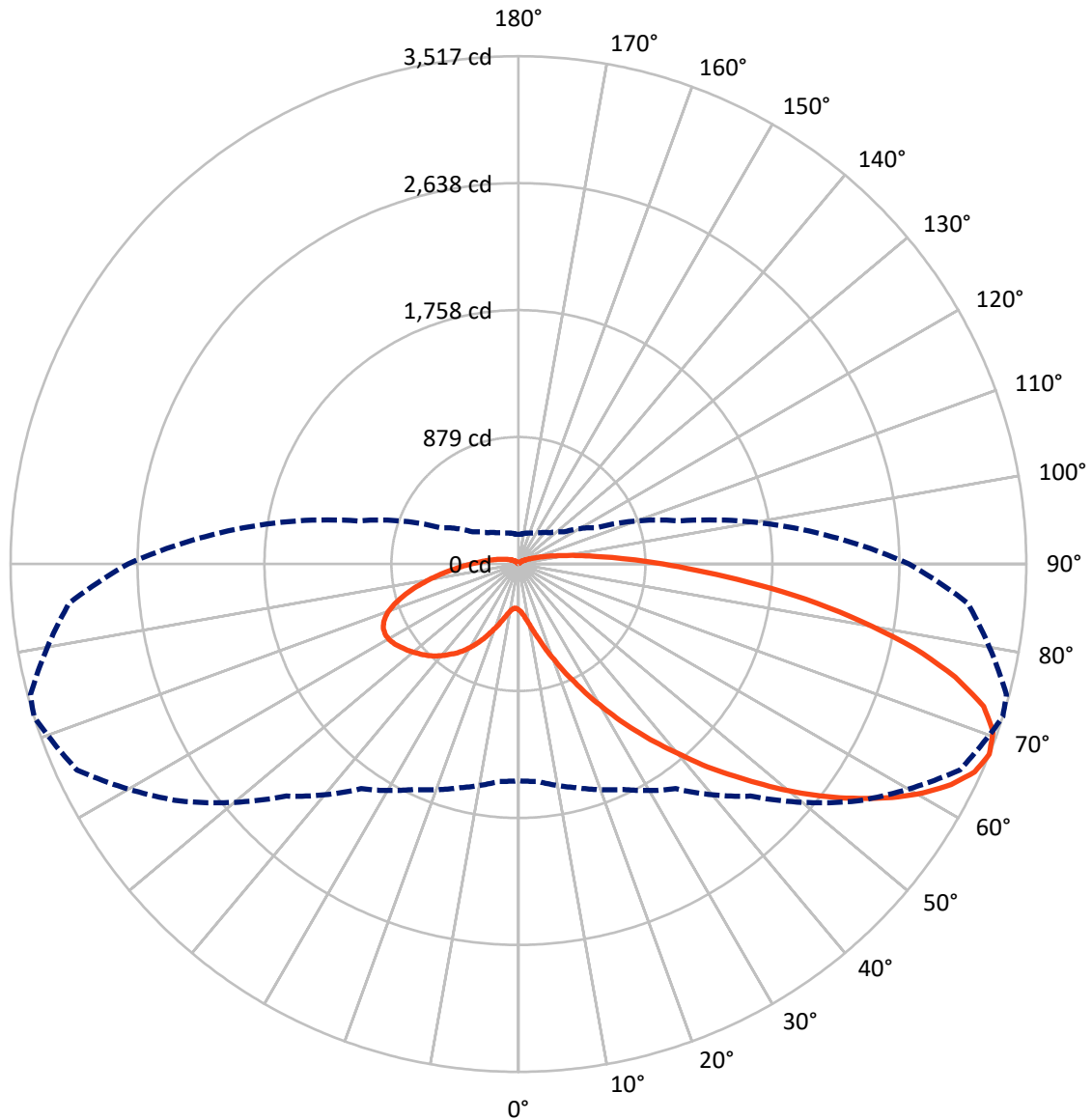
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416381  
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P416381

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

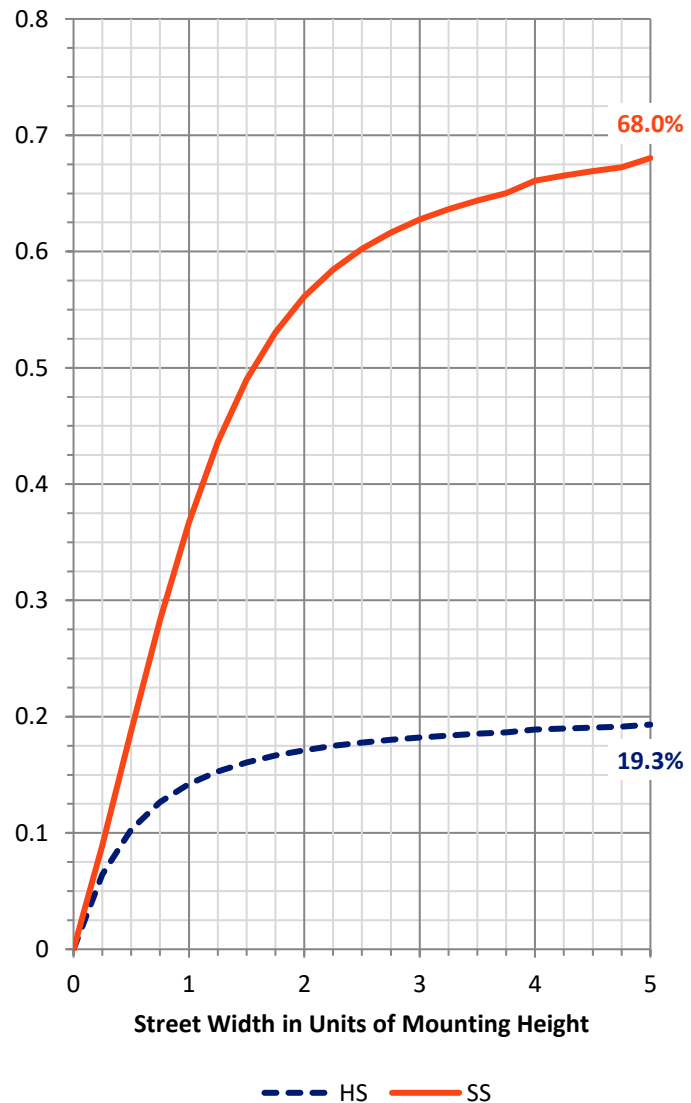
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1545.3	219.8	1765.2
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	5418.7	426.2	5844.8
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	6964.0	646.0	7610.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.8	0.4
10°-20°	129.8	1.7
20°-30°	313.5	4.1
30°-40°	597.6	7.9
40°-50°	961.9	12.6
50°-60°	1330.9	17.5
60°-70°	1529.2	20.1
70°-80°	1312.6	17.2
80°-90°	755.7	9.9
90°-100°	341.6	4.5
100°-110°	157.0	2.1
110°-120°	78.9	1.0
120°-130°	40.9	0.5
130°-140°	19.5	0.3
140°-150°	6.7	0.1
150°-160°	1.2	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6964.0	91.5
0°-180°	7610.0	100.0



REPORT NUMBER: P416381

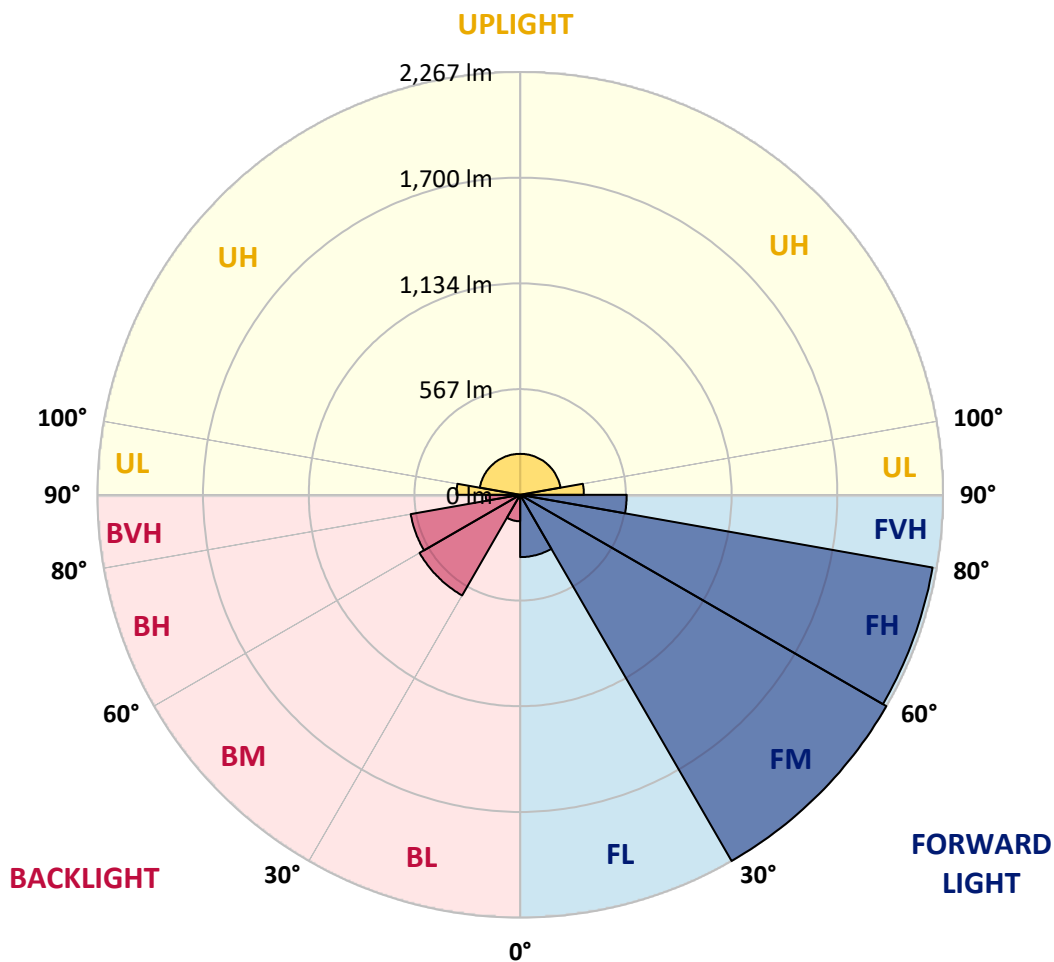
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.2	4.4			
FM	(30°-60°)	2267.3	29.8			
FH	(60°-80°)	2245.8	29.5			G2/5000
FVH	(80°-90°)	571.3	7.5			G4/750
BL	(0°-30°)	141.9	1.9	B1/500		
BM	(30°-60°)	623.1	8.2	B1/1000		
BH	(60°-80°)	595.9	7.8	B2/1000		G2/1000
BVH	(80°-90°)	184.4	2.4			G2/225
UL	(90°-100°)	341.6	4.5		U3/500	
UH	(100°-180°)	219.8	2.9		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





REPORT NUMBER: P416381

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5
2.5°	355.9	355.0	355.9	353.1	350.4	344.9	341.3	333.9	330.3	328.4	321.1
5°	406.2	405.3	404.4	400.7	391.6	385.2	374.2	361.4	353.1	349.5	337.6
7.5°	461.1	459.3	457.4	449.2	442.8	431.8	415.4	398.9	385.2	382.4	360.5
10°	523.3	521.5	517.8	511.4	499.5	484.0	469.3	445.6	428.2	419.9	396.1
12.5°	587.4	591.0	586.4	573.6	559.9	545.3	524.2	501.4	483.1	476.7	440.1
15°	665.1	667.9	663.3	648.7	634.0	612.1	595.6	571.8	547.1	543.4	503.2
17.5°	751.1	750.2	741.1	727.3	714.5	697.1	673.4	651.4	624.0	617.5	568.1
20°	844.4	840.8	832.5	809.7	797.8	777.7	763.0	732.8	706.3	697.1	647.7
22.5°	937.8	935.9	928.6	907.6	892.9	875.5	853.6	826.1	807.8	789.5	734.7
25°	1054.9	1043.9	1034.7	997.2	983.5	967.0	947.8	925.0	907.6	897.5	834.4
27.5°	1172.0	1163.7	1142.7	1115.2	1088.7	1062.2	1054.0	1033.8	1028.3	1020.1	948.7
30°	1288.2	1284.5	1261.6	1226.9	1188.4	1162.8	1158.2	1160.1	1151.8	1141.8	1065.8
32.5°	1419.9	1411.7	1386.1	1339.4	1299.1	1268.9	1268.9	1281.8	1289.1	1279.0	1198.5
35°	1548.9	1541.6	1509.6	1451.9	1407.1	1370.5	1385.1	1415.3	1432.7	1432.7	1333.0
37.5°	1685.2	1668.8	1635.8	1575.4	1515.1	1488.5	1505.0	1557.1	1582.8	1582.8	1482.1
40°	1804.2	1803.2	1758.4	1686.1	1626.7	1587.3	1637.6	1707.2	1741.0	1738.3	1632.2
42.5°	1923.1	1922.2	1879.2	1799.6	1724.6	1704.4	1767.6	1865.5	1920.3	1920.3	1784.0
45°	2030.1	2022.8	1986.2	1898.4	1828.9	1819.7	1913.0	2037.5	2094.2	2103.3	1948.7
47.5°	2108.8	2102.4	2070.4	1985.3	1919.4	1935.9	2048.4	2206.7	2283.6	2282.6	2117.0
50°	2161.9	2155.5	2128.0	2054.8	1998.1	2039.3	2195.7	2386.0	2482.1	2489.4	2283.6
52.5°	2177.4	2173.8	2159.1	2098.8	2062.2	2132.6	2333.9	2569.0	2677.9	2684.3	2465.6
55°	2150.9	2150.9	2150.0	2113.4	2098.8	2215.9	2476.6	2747.4	2865.4	2877.3	2644.9
57.5°	2088.7	2091.4	2107.9	2096.0	2118.0	2282.6	2597.4	2908.4	3051.1	3058.5	2805.0
60°	1994.5	1989.0	2025.6	2047.5	2107.0	2324.7	2704.4	3070.4	3219.5	3222.2	2945.9
62.5°	1851.7	1854.5	1907.5	1965.2	2067.6	2342.1	2798.6	3212.2	3363.1	3369.5	3055.7
65°	1683.4	1689.8	1762.1	1859.1	1999.9	2323.8	2852.6	3321.0	3472.0	3463.8	3118.9
67.5°	1501.3	1510.5	1604.7	1722.7	1899.3	2272.6	2861.8	3373.2	3516.8	3498.5	3124.3
70°	1301.9	1325.7	1419.9	1573.6	1769.4	2174.7	2808.7	3364.0	3486.6	3469.3	3042.9
72.5°	1120.7	1138.1	1241.5	1401.6	1623.9	2032.9	2696.2	3258.8	3368.6	3333.8	2872.7
75°	940.5	967.0	1064.9	1236.0	1466.6	1857.2	2505.0	3055.7	3123.4	3085.9	2619.3
77.5°	786.8	810.6	907.6	1072.2	1293.7	1673.3	2254.3	2747.4	2803.2	2764.8	2299.1
80°	641.3	667.9	762.1	924.0	1131.7	1457.4	1967.0	2386.9	2408.0	2347.6	1946.0
82.5°	536.1	549.8	637.7	780.4	971.6	1257.1	1672.4	2002.7	2003.6	1931.3	1580.9
85°	438.2	446.5	527.0	656.0	819.7	1062.2	1373.2	1612.9	1594.6	1555.3	1218.6
87.5°	355.0	363.2	435.5	551.7	689.8	886.5	1120.7	1269.9	1226.9	1195.8	946.0
90°	290.9	300.1	359.6	460.2	579.1	731.9	892.0	981.7	943.2	919.5	729.2
92.5°	237.9	247.0	299.2	385.2	490.4	599.3	709.0	751.1	724.6	697.1	549.8
95°	201.3	203.1	249.8	322.0	405.3	484.0	555.3	580.0	543.4	533.4	425.4
97.5°	165.6	171.1	207.7	271.7	338.5	403.5	440.1	452.9	419.9	398.0	325.7
100°	140.9	143.6	175.7	226.9	281.8	328.4	356.8	350.4	321.1	308.3	247.0
102.5°	120.8	123.5	149.1	196.7	239.7	273.6	287.3	277.2	249.8	241.5	194.0
105°	106.1	107.0	128.1	166.5	203.1	231.5	237.0	221.4	194.9	183.9	152.8
107.5°	94.2	95.1	111.6	144.6	175.7	194.9	196.7	179.3	153.7	145.5	122.6
110°	84.2	86.0	97.9	125.3	151.9	166.5	164.7	146.4	122.6	115.3	100.6



REPORT NUMBER: P416381

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	75.9	77.8	86.9	109.8	131.7	144.6	140.0	118.0	97.9	93.3	83.3
115°	69.5	71.4	78.7	97.0	116.2	125.3	118.0	97.9	80.5	75.0	69.5
117.5°	65.0	65.9	71.4	86.0	100.6	108.0	99.7	81.4	65.9	62.2	59.5
120°	60.4	61.3	65.9	75.9	88.7	92.4	84.2	66.8	54.9	53.1	52.1
122.5°	56.7	56.7	60.4	67.7	76.9	79.6	71.4	55.8	46.7	44.8	45.7
125°	53.1	53.1	54.9	60.4	66.8	68.6	59.5	46.7	39.3	38.4	40.3
127.5°	49.4	49.4	50.3	54.0	57.6	57.6	49.4	38.4	33.9	32.9	35.7
130°	45.7	45.7	45.7	47.6	49.4	48.5	40.3	32.0	29.3	29.3	31.1
132.5°	42.1	42.1	42.1	42.1	41.2	39.3	32.9	25.6	25.6	25.6	27.4
135°	37.5	37.5	37.5	36.6	34.8	32.0	25.6	21.0	21.0	22.0	23.8
137.5°	33.9	33.9	32.9	31.1	28.4	24.7	20.1	16.5	18.3	18.3	20.1
140°	29.3	29.3	28.4	25.6	22.0	18.3	14.6	13.7	14.6	15.6	17.4
142.5°	24.7	24.7	23.8	21.0	17.4	12.8	10.1	10.1	11.9	11.9	13.7
145°	20.1	20.1	19.2	16.5	11.9	8.2	6.4	7.3	9.1	9.1	10.1
147.5°	15.6	15.6	14.6	11.9	8.2	5.5	3.7	5.5	6.4	6.4	7.3
150°	11.0	11.0	10.1	8.2	5.5	2.7	1.8	2.7	3.7	4.6	4.6
152.5°	7.3	7.3	6.4	5.5	2.7	0.9	1.8	2.7	2.7	2.7	3.7
155°	4.6	3.7	3.7	2.7	0.9	0.0	0.9	1.8	1.8	1.8	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	0.9	0.9	1.8	1.8
160°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
162.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
165°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
167.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
170°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
172.5°	0.0	0.9	0.9	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
175°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
177.5°	0.0	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9





REPORT NUMBER: P416381

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5	317.5
2.5°	319.3	315.6	310.1	304.7	299.2	295.5	291.8	290.0	287.3	284.5	284.5
5°	330.3	323.0	310.1	297.3	285.4	275.4	265.3	259.8	256.2	252.5	253.4
7.5°	350.4	339.4	318.4	297.3	278.1	261.7	247.9	237.0	229.6	225.1	226.0
10°	378.8	366.9	334.8	304.7	277.2	253.4	234.2	218.7	209.5	204.9	204.9
12.5°	423.6	403.5	361.4	318.4	281.8	249.8	225.1	206.8	194.0	188.5	187.6
15°	477.6	449.2	398.0	344.9	292.8	249.8	217.7	204.9	196.7	193.0	192.1
17.5°	541.6	510.5	440.1	369.6	307.4	255.3	227.8	212.3	203.1	199.4	198.5
20°	611.1	574.5	485.8	400.7	322.0	271.7	237.9	218.7	208.6	204.9	204.9
22.5°	696.2	647.7	535.2	428.2	340.3	285.4	247.9	224.1	215.0	211.3	210.4
25°	784.1	729.2	593.8	457.4	360.5	296.4	255.3	229.6	220.5	216.8	217.7
27.5°	887.4	817.0	651.4	486.7	377.8	302.8	258.9	234.2	225.1	222.3	223.2
30°	995.4	906.7	702.6	516.9	389.7	307.4	261.7	237.9	227.8	226.0	226.0
32.5°	1109.8	1009.1	755.7	543.4	397.1	308.3	261.7	239.7	229.6	228.7	229.6
35°	1226.9	1107.9	806.9	564.5	400.7	307.4	260.7	241.5	229.6	229.6	229.6
37.5°	1356.8	1204.9	849.9	579.1	401.6	304.7	259.8	240.6	229.6	229.6	230.6
40°	1490.4	1308.3	897.5	591.0	400.7	302.8	258.9	240.6	229.6	229.6	230.6
42.5°	1623.0	1404.4	942.3	598.3	398.9	301.0	258.0	240.6	229.6	227.8	228.7
45°	1766.6	1516.0	985.3	602.9	397.1	300.1	258.0	239.7	229.6	226.0	226.9
47.5°	1900.2	1619.4	1020.1	608.4	396.1	300.1	258.9	239.7	228.7	225.1	225.1
50°	2051.2	1726.4	1055.8	610.2	394.3	300.1	258.9	239.7	227.8	222.3	223.2
52.5°	2200.3	1834.3	1090.5	613.9	394.3	301.0	259.8	239.7	226.9	219.6	219.6
55°	2343.0	1930.4	1121.7	616.6	394.3	302.8	262.6	239.7	226.0	216.8	216.8
57.5°	2473.9	2029.2	1152.8	617.5	394.3	304.7	262.6	240.6	225.1	214.1	214.1
60°	2590.0	2114.3	1174.7	618.5	393.4	306.5	264.4	239.7	224.1	211.3	211.3
62.5°	2672.4	2179.3	1185.7	615.7	393.4	306.5	265.3	239.7	223.2	210.4	209.5
65°	2719.0	2202.1	1179.3	607.5	391.6	306.5	264.4	238.8	221.4	208.6	207.7
67.5°	2703.5	2177.4	1151.8	594.7	387.0	305.6	264.4	237.0	221.4	207.7	205.8
70°	2619.3	2103.3	1099.7	575.5	380.6	301.9	260.7	234.2	219.6	206.8	204.9
72.5°	2454.6	1954.2	1023.8	545.3	369.6	296.4	256.2	229.6	215.9	204.0	201.3
75°	2225.9	1776.7	931.4	514.2	355.9	289.1	250.7	225.1	211.3	200.4	197.6
77.5°	1932.2	1539.8	828.9	473.9	338.5	279.0	243.4	217.7	204.9	194.9	191.2
80°	1627.6	1297.3	718.2	431.8	320.2	266.2	232.4	208.6	196.7	187.6	183.0
82.5°	1317.4	1065.8	614.8	391.6	299.2	251.6	221.4	198.5	187.6	177.5	172.9
85°	1039.3	842.6	515.1	349.5	277.2	237.0	208.6	186.6	176.6	165.6	161.0
87.5°	808.8	668.8	430.9	311.1	253.4	220.5	194.9	174.7	162.8	152.8	149.1
90°	630.4	527.0	360.5	274.5	232.4	204.0	180.2	161.9	150.0	140.0	135.4
92.5°	480.3	417.2	301.9	242.4	211.3	187.6	166.5	149.1	137.2	126.3	121.7
95°	376.0	331.2	255.3	213.2	190.3	170.2	152.8	136.3	123.5	111.6	108.9
97.5°	291.8	265.3	215.0	186.6	172.0	153.7	138.1	123.5	110.7	98.8	96.1
100°	230.6	211.3	182.1	165.6	152.8	138.1	124.4	111.6	97.9	85.1	84.2
102.5°	182.1	173.8	154.6	145.5	135.4	124.4	112.5	98.8	85.1	73.2	72.3
105°	149.1	141.8	132.7	127.2	120.8	110.7	99.7	87.8	74.1	63.1	63.1
107.5°	120.8	117.1	112.5	111.6	107.0	98.8	89.7	77.8	64.0	54.9	54.9
110°	98.8	97.9	97.9	97.9	95.1	88.7	79.6	67.7	54.0	47.6	47.6



REPORT NUMBER: P416381

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	83.3	83.3	84.2	86.0	84.2	77.8	69.5	58.6	46.7	41.2	41.2
115°	70.4	71.4	74.1	75.0	74.1	69.5	61.3	50.3	39.3	35.7	36.6
117.5°	61.3	61.3	65.0	66.8	65.9	61.3	53.1	43.0	33.9	32.0	32.0
120°	53.1	54.9	57.6	58.6	57.6	53.1	46.7	36.6	29.3	28.4	28.4
122.5°	46.7	47.6	50.3	52.1	50.3	46.7	39.3	31.1	24.7	24.7	25.6
125°	41.2	42.1	43.9	45.7	43.9	39.3	33.9	25.6	22.0	22.0	22.0
127.5°	36.6	37.5	39.3	39.3	37.5	33.9	28.4	22.0	18.3	19.2	19.2
130°	32.0	32.9	33.9	33.9	32.9	29.3	23.8	18.3	16.5	17.4	17.4
132.5°	28.4	29.3	29.3	29.3	27.4	24.7	20.1	15.6	14.6	15.6	15.6
135°	24.7	24.7	25.6	24.7	22.9	20.1	15.6	12.8	12.8	13.7	13.7
137.5°	21.0	22.0	22.0	20.1	18.3	15.6	12.8	11.0	11.0	11.9	11.9
140°	17.4	18.3	17.4	16.5	14.6	12.8	10.1	8.2	9.1	10.1	10.1
142.5°	14.6	14.6	14.6	12.8	11.0	9.1	7.3	7.3	8.2	8.2	9.1
145°	11.0	11.0	11.0	10.1	8.2	6.4	5.5	5.5	6.4	7.3	7.3
147.5°	8.2	8.2	8.2	7.3	5.5	4.6	3.7	4.6	5.5	6.4	5.5
150°	5.5	5.5	5.5	4.6	3.7	2.7	2.7	3.7	4.6	4.6	4.6
152.5°	3.7	3.7	3.7	3.7	2.7	0.9	1.8	2.7	3.7	3.7	3.7
155°	2.7	2.7	2.7	2.7	1.8	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.9	0.0
165°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
167.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
170°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
172.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
175°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
180°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

(END OF REPORT)