

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: P416416

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
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-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8232 lumens  
Efficiency: N/A  
Efficacy: 111.2 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 - 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

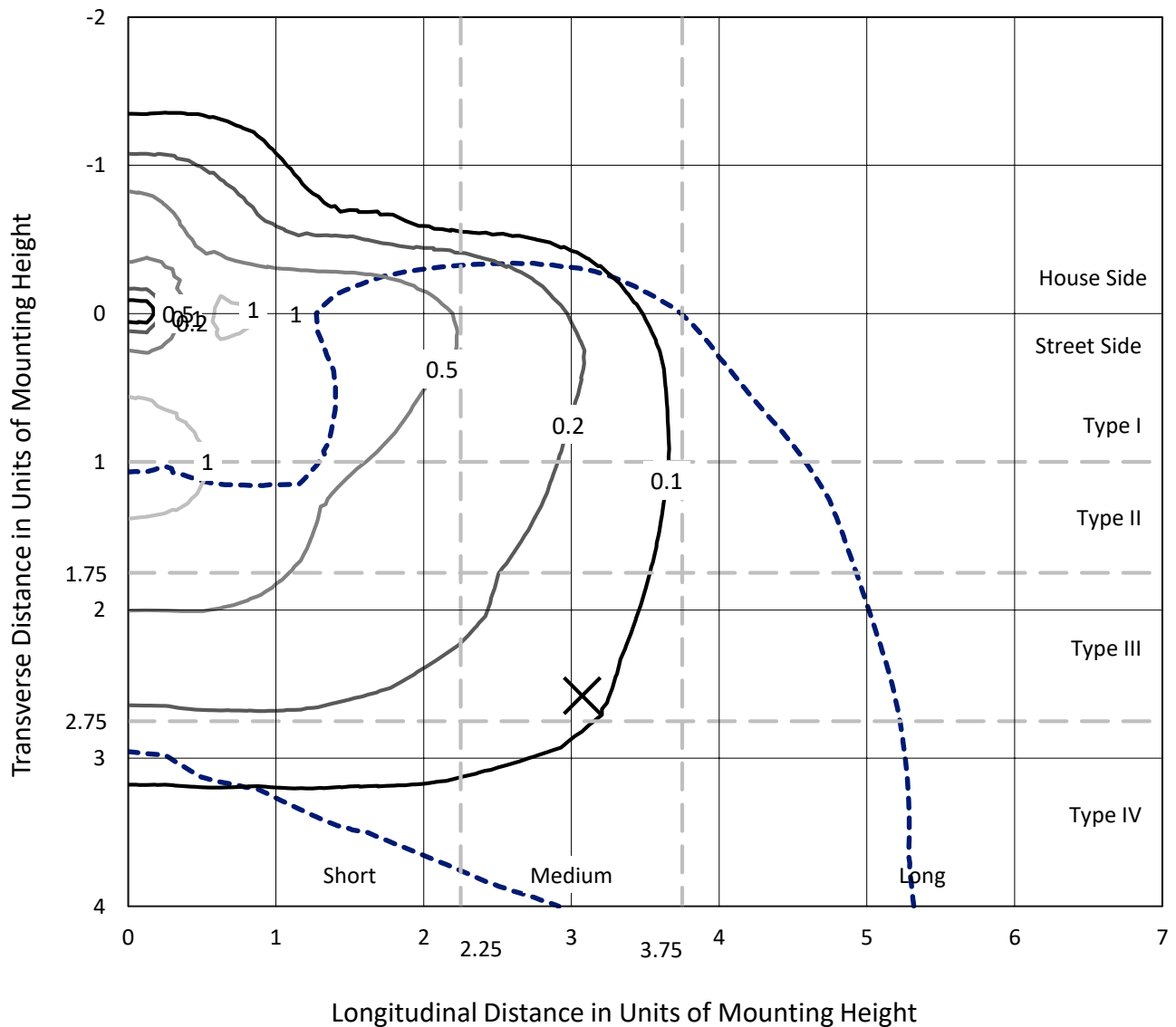


REPORT NUMBER: P416416

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

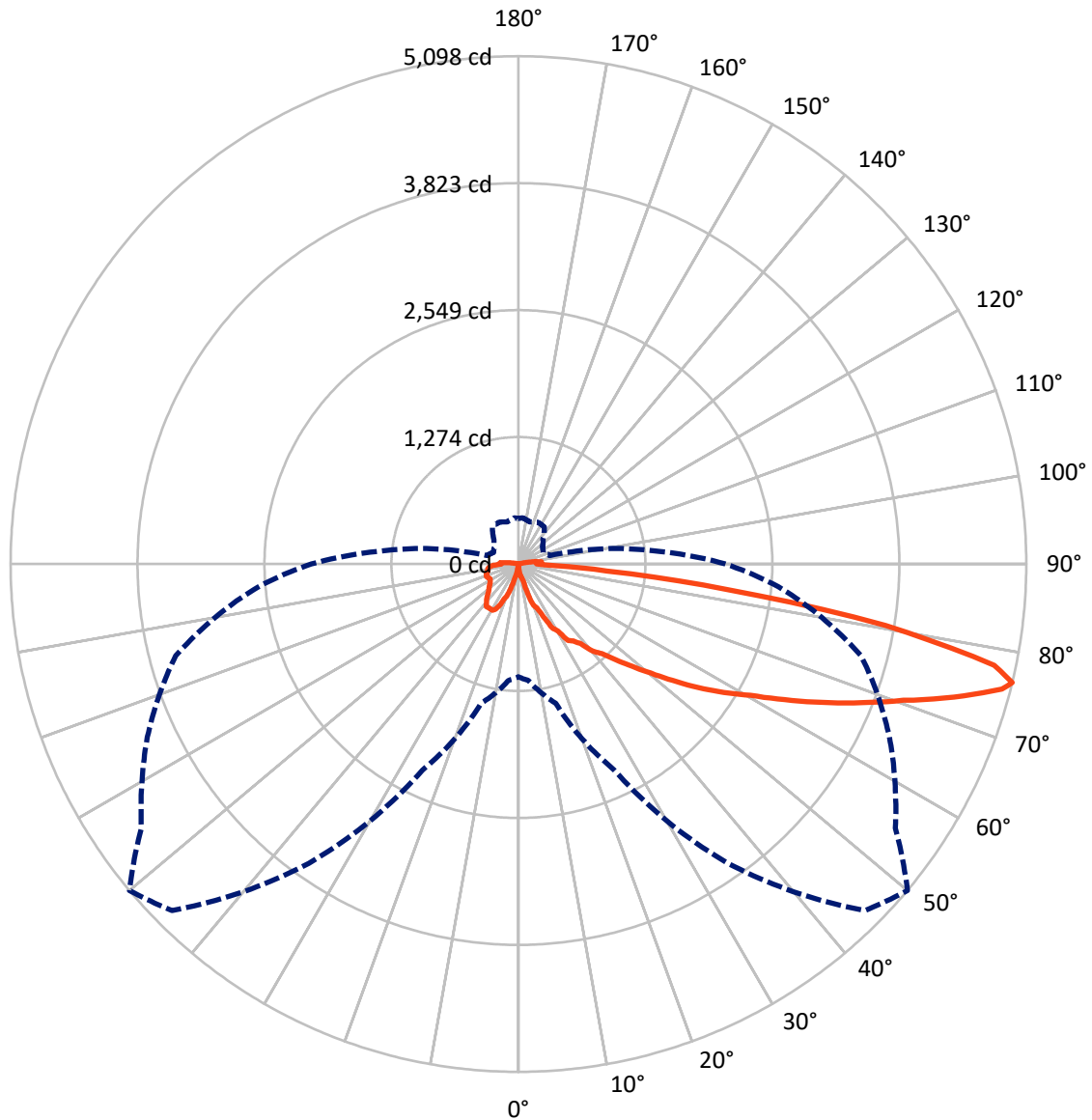


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 76-Deg Vertical



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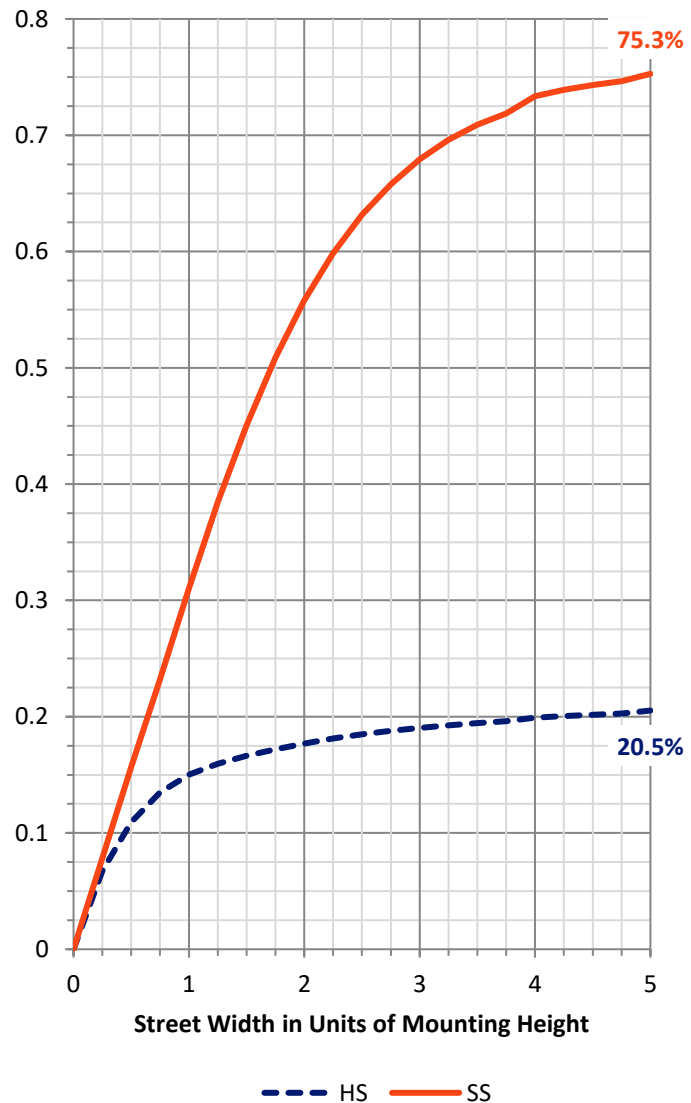
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1796.7	101.2	1897.9
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	6252.9	81.3	6334.1
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	8049.5	182.5	8232.0
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	68.7	0.8
20°-30°	268.5	3.3
30°-40°	578.0	7.0
40°-50°	941.7	11.4
50°-60°	1516.1	18.4
60°-70°	2208.3	26.8
70°-80°	1970.1	23.9
80°-90°	493.5	6.0
90°-100°	144.5	1.8
100°-110°	21.4	0.3
110°-120°	6.2	0.1
120°-130°	4.2	0.1
130°-140°	2.8	0.0
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8049.5	97.8
0°-180°	8232.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P416416

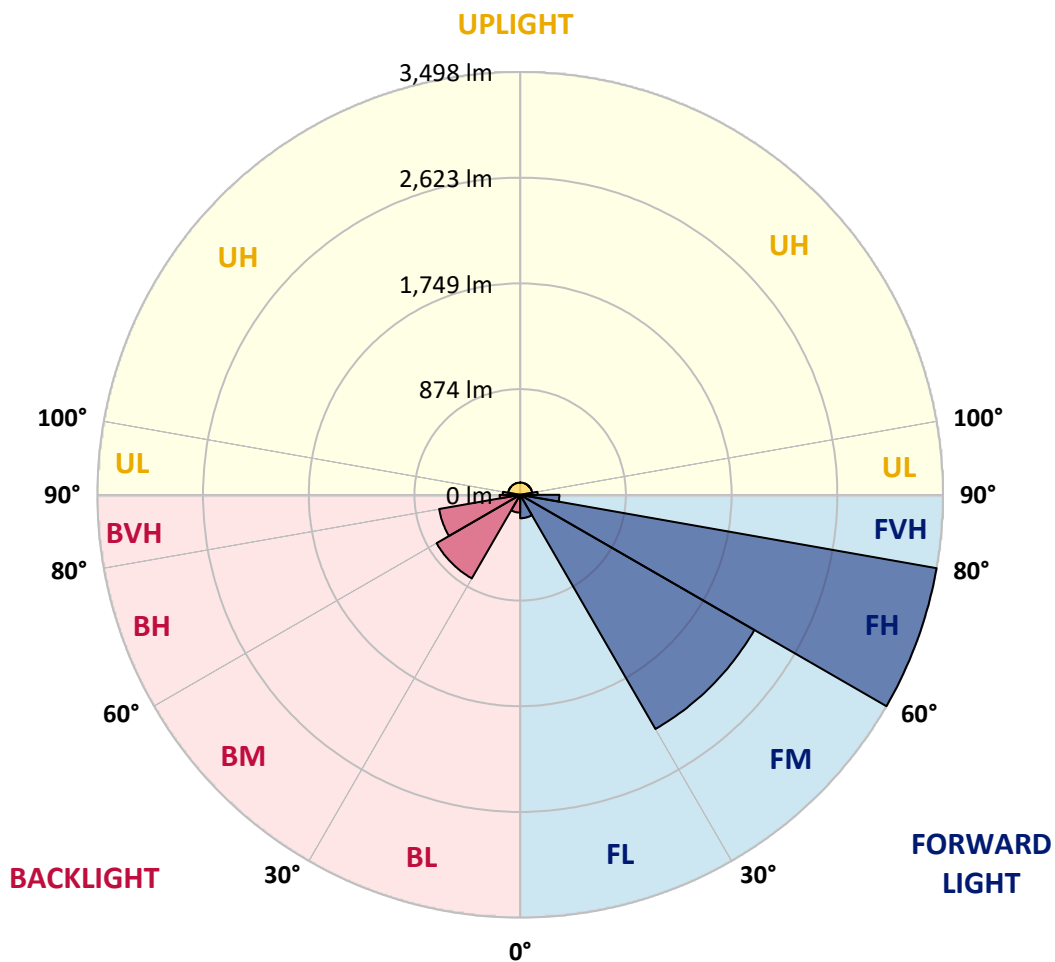
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.1	2.4			
FM	(30°-60°)	2236.9	27.2			
FH	(60°-80°)	3497.8	42.5			G2/5000
FVH	(80°-90°)	324.0	3.9			G3/500
BL	(0°-30°)	147.7	1.8	B1/500		
BM	(30°-60°)	798.9	9.7	B1/1000		
BH	(60°-80°)	680.6	8.3	B2/1000		G2/1000
BVH	(80°-90°)	169.5	2.1			G2/225
UL	(90°-100°)	144.5	1.8		U3/500	
UH	(100°-180°)	101.2	1.2		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Medium





REPORT NUMBER: P416416

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	11.9	9.1	8.2	7.3	7.3	6.4	6.4	5.5	5.5	5.5	5.5
5°	115.3	111.6	103.4	96.1	32.9	27.4	22.9	17.4	6.4	6.4	5.5
7.5°	138.1	135.4	129.9	126.3	120.8	112.5	103.4	48.5	19.2	7.3	6.4
10°	181.1	167.4	156.4	147.3	140.9	127.2	123.5	116.2	32.0	13.7	10.1
12.5°	323.9	316.5	305.6	207.7	171.1	146.4	140.9	134.5	104.3	49.4	88.7
15°	356.8	349.5	338.5	324.8	304.7	180.2	169.3	210.4	269.0	202.2	211.3
17.5°	419.0	415.4	386.1	353.1	333.0	354.1	355.0	322.0	305.6	267.1	243.4
20°	580.9	577.3	560.8	476.6	376.9	447.4	445.5	429.1	343.1	394.3	424.5
22.5°	604.7	600.2	585.5	562.6	596.5	490.4	478.5	478.5	505.9	536.1	499.5
25°	795.9	791.4	679.7	591.9	639.5	583.7	585.5	647.7	559.9	588.3	561.7
27.5°	831.6	825.2	816.1	757.5	673.3	739.2	729.2	695.3	728.2	812.4	784.0
30°	970.7	900.2	870.0	836.2	795.0	783.1	778.6	839.9	863.6	858.1	866.4
32.5°	1126.2	1123.5	1094.2	892.0	899.3	841.7	915.8	943.2	906.6	1042.0	1128.9
35°	1353.1	1259.8	1203.1	1068.6	935.9	973.4	947.8	976.2	1101.5	1114.3	1197.6
37.5°	1700.7	1695.3	1565.3	1179.3	1079.5	996.3	1014.6	1093.3	1175.6	1193.9	1306.4
40°	1988.0	1961.5	1879.1	1470.2	1173.8	1077.7	1150.9	1133.5	1220.4	1284.5	1392.4
42.5°	2201.2	2225.9	2179.2	1701.7	1363.2	1206.7	1228.7	1205.8	1286.3	1406.2	1515.9
45°	2405.2	2395.1	2427.2	1936.8	1545.2	1372.3	1370.5	1314.7	1407.1	1541.6	1686.1
47.5°	2571.7	2557.1	2590.0	2192.0	1754.7	1522.3	1535.2	1462.9	1551.6	1710.8	1938.6
50°	2757.4	2729.1	2751.0	2406.1	2028.3	1739.2	1721.8	1666.0	1716.3	1933.1	2246.9
52.5°	2980.6	2960.5	2921.2	2619.3	2310.0	1962.4	1940.4	1886.5	1941.4	2209.4	2588.2
55°	3181.0	3158.1	3126.1	2912.9	2544.3	2189.3	2190.2	2136.2	2243.3	2511.3	2984.3
57.5°	3389.6	3378.6	3395.1	3241.4	2879.1	2426.2	2431.7	2398.8	2590.9	2821.5	3404.2
60°	3562.5	3546.0	3637.5	3577.1	3176.4	2697.0	2675.1	2710.8	2945.9	3145.3	3829.6
62.5°	3628.4	3639.4	3812.3	3886.4	3464.6	2988.9	2997.1	3045.6	3274.3	3533.2	4239.5
65°	3319.1	3357.6	3840.6	3940.3	3785.7	3312.7	3352.1	3343.9	3611.0	3818.7	4585.3
67.5°	2983.4	3027.3	3552.4	3954.1	4034.6	3693.3	3713.5	3632.0	3901.0	3997.1	4843.3
70°	2745.5	2779.4	3211.2	3876.3	4187.4	4090.4	4099.5	3948.6	4111.4	4206.6	4834.2
72.5°	2333.8	2369.5	2768.4	3582.6	4282.5	4571.6	4571.6	4238.6	4281.6	4202.0	4268.8
75°	1577.2	1591.0	1917.6	2781.2	4036.4	4964.1	5011.7	4555.1	4223.0	3816.8	3183.7
76°	1132.6	1174.7	1448.2	2283.5	3665.9	4919.3	5097.7	4619.2	4108.7	3561.6	2620.2
77.5°	600.2	638.6	854.5	1462.0	2973.3	4574.4	4882.7	4422.5	3746.4	3057.5	1937.7
80°	235.1	232.4	293.7	520.6	1505.9	3479.3	3736.3	3259.7	2534.2	1771.2	920.4
82.5°	129.0	141.8	186.6	275.4	653.2	1919.4	2110.6	1720.0	1293.6	817.0	537.9
85°	82.3	84.2	109.8	170.2	403.5	808.7	888.3	736.5	605.6	501.3	382.4
87.5°	49.4	51.2	57.6	78.7	199.4	237.9	259.8	305.6	347.7	344.9	330.3
90°	33.9	33.9	28.4	31.1	93.3	190.3	183.0	194.9	177.5	225.1	318.4
92.5°	32.9	32.9	27.4	28.4	79.6	211.3	212.2	211.3	187.5	229.6	334.8
95°	29.3	30.2	23.8	24.7	58.6	197.6	232.4	225.1	189.4	231.5	333.9
97.5°	24.7	25.6	18.3	21.0	39.3	133.6	172.9	176.6	118.0	117.1	151.0
100°	18.3	19.2	12.8	16.5	23.8	61.3	92.4	86.9	58.6	32.0	21.0
102.5°	17.4	18.3	11.0	12.8	14.6	21.0	33.9	25.6	22.0	18.3	18.3
105°	19.2	19.2	10.1	9.1	9.1	10.1	8.2	11.9	12.8	13.7	19.2
107.5°	16.5	17.4	7.3	7.3	6.4	6.4	5.5	5.5	7.3	11.9	21.0



REPORT NUMBER: P416416

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	12.8	12.8	6.4	6.4	4.6	5.5	5.5	4.6	6.4	9.1	16.5
112.5°	7.3	8.2	3.7	5.5	3.7	4.6	4.6	3.7	5.5	6.4	9.1
115°	7.3	7.3	3.7	2.7	2.7	2.7	3.7	3.7	4.6	6.4	10.1
117.5°	7.3	7.3	3.7	2.7	1.8	2.7	2.7	2.7	4.6	6.4	10.1
120°	7.3	7.3	3.7	1.8	1.8	1.8	1.8	2.7	4.6	6.4	10.1
122.5°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	4.6	6.4	9.1
125°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	8.2
127.5°	8.2	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	7.3
130°	7.3	7.3	3.7	1.8	1.8	1.8	1.8	2.7	3.7	5.5	7.3
132.5°	7.3	6.4	3.7	1.8	1.8	1.8	1.8	2.7	3.7	4.6	6.4
135°	6.4	5.5	3.7	1.8	2.7	1.8	2.7	2.7	3.7	4.6	5.5
137.5°	5.5	5.5	3.7	2.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
140°	6.4	5.5	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6	4.6
142.5°	7.3	6.4	4.6	3.7	3.7	2.7	2.7	3.7	3.7	4.6	4.6
145°	7.3	7.3	5.5	4.6	2.7	2.7	2.7	3.7	4.6	4.6	5.5
147.5°	8.2	7.3	5.5	4.6	2.7	1.8	2.7	2.7	4.6	5.5	5.5
150°	7.3	7.3	4.6	3.7	1.8	0.9	1.8	2.7	4.6	5.5	5.5
152.5°	5.5	5.5	3.7	1.8	0.9	0.9	1.8	2.7	3.7	4.6	5.5
155°	3.7	3.7	1.8	0.9	0.0	0.9	0.9	1.8	2.7	3.7	4.6
157.5°	1.8	1.8	0.9	0.0	0.0	0.9	0.9	1.8	2.7	3.7	3.7
160°	0.9	0.0	0.0	0.0	0.0	0.9	0.9	1.8	1.8	2.7	2.7
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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
2.5°	5.5	4.6	4.6	3.7	3.7	2.7	2.7	2.7	2.7	3.7	4.6
5°	5.5	5.5	4.6	4.6	4.6	3.7	3.7	5.5	6.4	7.3	7.3
7.5°	5.5	5.5	5.5	4.6	5.5	7.3	29.3	84.2	92.4	97.9	99.7
10°	10.1	9.1	8.2	7.3	13.7	93.3	115.3	125.3	129.9	134.5	134.5
12.5°	96.1	96.1	39.3	22.0	94.2	125.3	131.7	139.1	145.5	151.9	152.8
15°	208.6	205.8	198.5	182.1	157.4	141.8	148.2	219.6	258.0	275.4	272.6
17.5°	238.8	235.1	230.5	262.6	273.5	218.7	255.2	283.6	291.8	301.0	300.1
20°	442.8	438.2	341.2	305.6	299.2	366.9	291.8	298.2	312.9	398.9	401.6
22.5°	495.9	490.4	456.5	465.7	349.5	398.0	385.2	403.5	450.1	463.8	465.7
25°	580.9	559.0	517.8	486.7	494.9	415.4	479.4	449.2	466.6	483.1	485.8
27.5°	804.2	791.4	718.2	545.3	505.0	519.6	499.5	488.5	583.7	618.5	621.2
30°	866.4	853.6	762.1	631.3	532.5	532.5	503.2	609.3	613.9	632.2	636.7
32.5°	1177.4	1151.8	968.8	641.3	552.6	508.7	570.0	600.2	673.3	728.2	737.4
35°	1249.7	1227.8	1000.0	732.8	534.3	529.7	537.9	632.2	686.2	719.1	726.4
37.5°	1324.7	1300.0	996.3	698.0	566.3	505.0	523.3	591.0	668.8	753.9	764.8
40°	1427.2	1397.0	1000.9	653.2	530.6	477.6	491.3	567.2	620.3	673.3	682.5
42.5°	1564.4	1504.0	1009.1	613.0	489.5	465.7	468.4	512.3	537.0	559.0	559.0
45°	1749.2	1651.3	1011.8	570.9	448.3	438.2	441.9	462.0	471.2	457.4	451.0
47.5°	1997.2	1833.4	1045.7	533.4	413.5	408.0	410.8	417.2	412.6	376.9	370.5
50°	2286.3	2047.5	1064.0	500.4	387.9	387.0	382.4	382.4	365.9	325.7	322.9
52.5°	2605.6	2302.7	1079.5	460.2	369.6	374.2	374.2	355.0	330.3	298.2	295.5
55°	3010.8	2597.3	1102.4	425.4	354.1	353.1	363.2	339.4	313.8	286.4	286.4
57.5°	3413.4	2909.3	1129.9	395.2	336.7	338.5	353.1	333.9	320.2	309.2	308.3
60°	3815.9	3231.3	1086.0	367.8	330.3	326.6	350.4	355.0	338.5	344.9	351.3
62.5°	4193.8	3437.2	909.4	344.0	318.4	323.9	374.2	402.5	397.1	390.6	392.5
65°	4372.2	3479.3	737.4	322.9	310.1	343.1	412.6	455.6	437.3	416.3	414.4
67.5°	4402.4	3370.4	542.5	310.1	305.6	376.9	442.8	467.5	440.1	431.8	424.5
70°	4190.1	3094.1	433.6	296.4	309.2	382.4	462.0	464.8	444.6	453.8	444.6
72.5°	3563.4	2577.2	379.7	283.6	310.1	368.7	462.0	465.7	442.8	469.3	464.8
75°	2551.6	1806.9	337.6	272.6	300.1	353.1	455.6	464.8	437.3	466.6	459.3
76°	2078.6	1433.6	325.7	275.4	295.5	347.7	453.8	462.0	438.2	464.8	457.4
77.5°	1373.2	936.8	305.6	273.5	287.3	344.9	449.2	458.3	437.3	459.3	451.9
80°	734.6	530.6	275.4	255.2	277.2	346.7	445.5	449.2	419.9	444.6	435.5
82.5°	484.0	395.2	237.9	231.5	267.1	349.5	443.7	438.2	405.3	444.6	419.9
85°	379.7	326.6	178.4	185.7	243.4	337.6	438.2	422.7	392.5	403.5	388.8
87.5°	322.0	269.0	107.0	132.7	213.2	287.3	388.8	349.5	332.1	343.1	336.7
90°	302.8	237.9	60.4	93.3	160.1	191.2	245.2	227.8	220.5	233.3	230.5
92.5°	305.6	232.4	59.5	88.7	171.1	205.8	253.4	233.3	211.3	211.3	208.6
95°	291.8	216.8	58.6	70.4	154.6	200.4	237.9	209.5	170.2	161.9	159.2
97.5°	127.2	105.2	54.9	54.0	88.7	138.1	172.9	150.0	112.5	87.8	87.8
100°	21.0	33.9	47.6	52.1	52.1	73.2	97.9	92.4	54.0	28.4	29.3
102.5°	22.0	19.2	32.9	43.0	33.9	30.2	44.8	55.8	35.7	11.0	11.9
105°	22.9	20.1	16.5	30.2	19.2	10.1	13.7	25.6	16.5	11.0	11.0
107.5°	24.7	21.0	10.1	11.0	8.2	8.2	7.3	6.4	8.2	11.0	11.9



REPORT NUMBER: P416416

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.2	17.4	9.1	8.2	7.3	8.2	5.5	5.5	6.4	11.0	11.9
112.5°	11.0	11.0	8.2	6.4	6.4	7.3	4.6	4.6	6.4	11.9	11.9
115°	11.0	11.0	7.3	5.5	4.6	5.5	4.6	3.7	6.4	11.9	12.8
117.5°	11.0	11.0	7.3	5.5	4.6	3.7	3.7	3.7	6.4	11.9	12.8
120°	11.0	10.1	6.4	4.6	4.6	2.7	2.7	2.7	5.5	11.9	12.8
122.5°	10.1	10.1	6.4	4.6	3.7	2.7	2.7	2.7	5.5	11.0	11.9
125°	9.1	9.1	6.4	4.6	3.7	2.7	1.8	2.7	5.5	10.1	11.0
127.5°	8.2	8.2	5.5	4.6	3.7	2.7	1.8	2.7	5.5	10.1	11.0
130°	7.3	7.3	5.5	3.7	3.7	1.8	1.8	1.8	5.5	9.1	10.1
132.5°	6.4	6.4	4.6	3.7	2.7	1.8	0.9	1.8	4.6	8.2	8.2
135°	5.5	5.5	4.6	3.7	2.7	1.8	0.9	1.8	3.7	6.4	7.3
137.5°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	5.5	5.5
140°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	4.6	5.5
142.5°	4.6	4.6	3.7	3.7	2.7	1.8	0.9	1.8	2.7	4.6	5.5
145°	5.5	4.6	4.6	3.7	2.7	1.8	0.9	1.8	3.7	5.5	5.5
147.5°	5.5	5.5	4.6	3.7	2.7	1.8	0.9	1.8	3.7	5.5	5.5
150°	5.5	5.5	4.6	3.7	2.7	0.9	0.0	0.9	2.7	4.6	5.5
152.5°	5.5	4.6	3.7	2.7	1.8	0.9	0.0	0.0	1.8	3.7	3.7
155°	4.6	3.7	3.7	2.7	1.8	0.9	0.0	0.0	0.9	1.8	1.8
157.5°	3.7	3.7	2.7	1.8	0.9	0.9	0.0	0.0	0.0	0.9	0.9
160°	2.7	2.7	1.8	1.8	0.9	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)