

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: P416403

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416403  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
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-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7905 lumens  
Efficiency: N/A  
Efficacy: 106.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

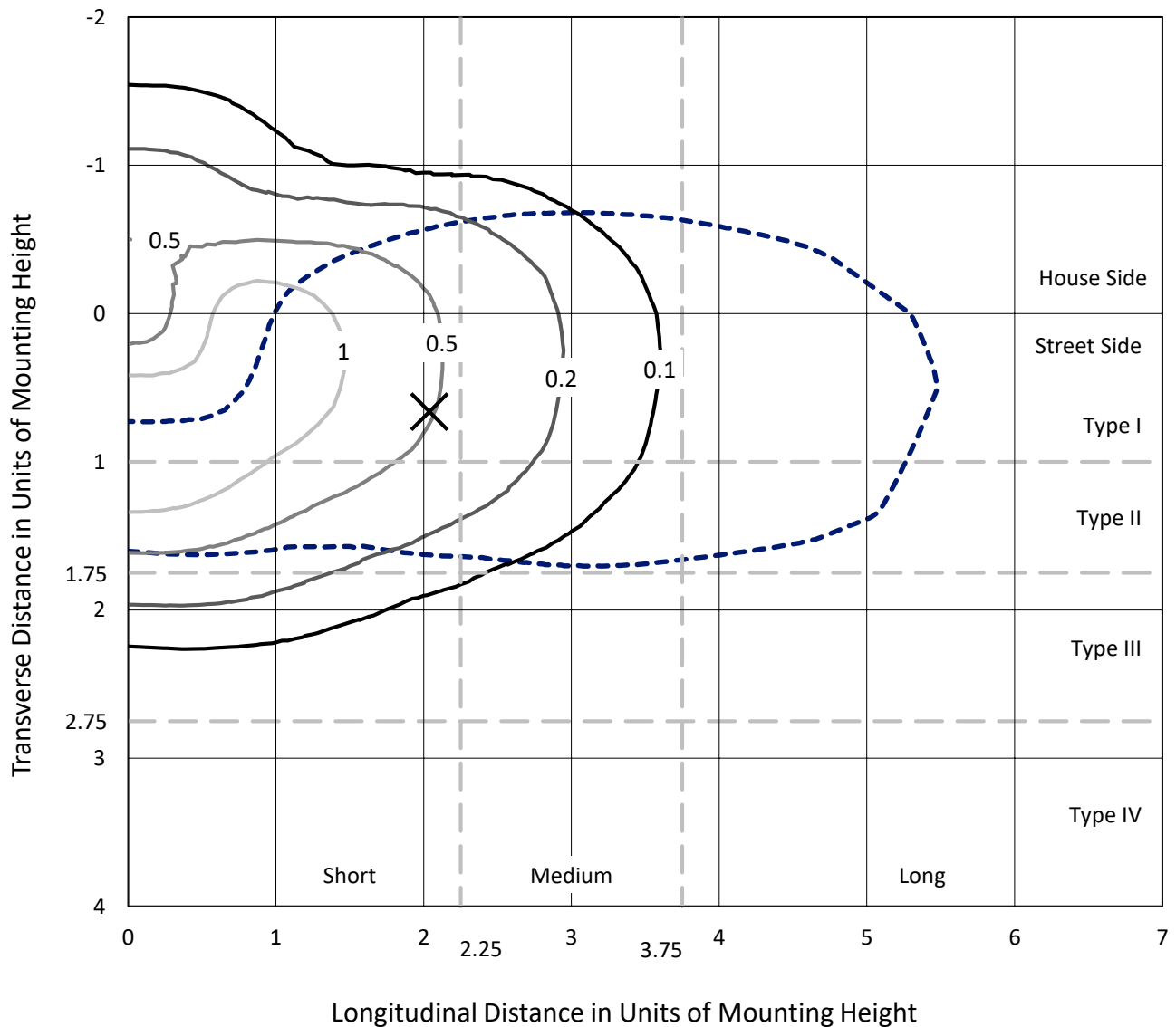
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416403  
 CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

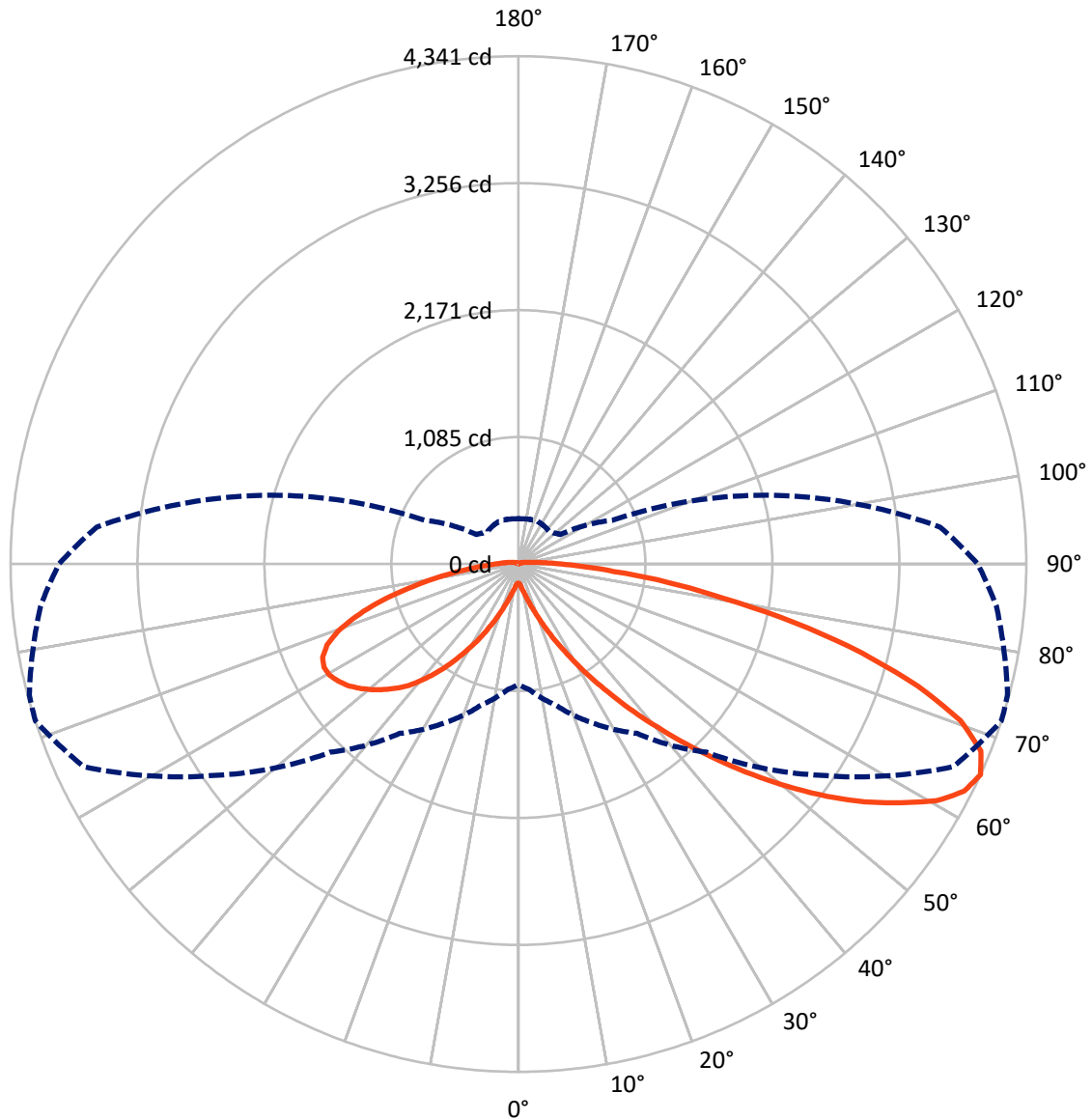


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

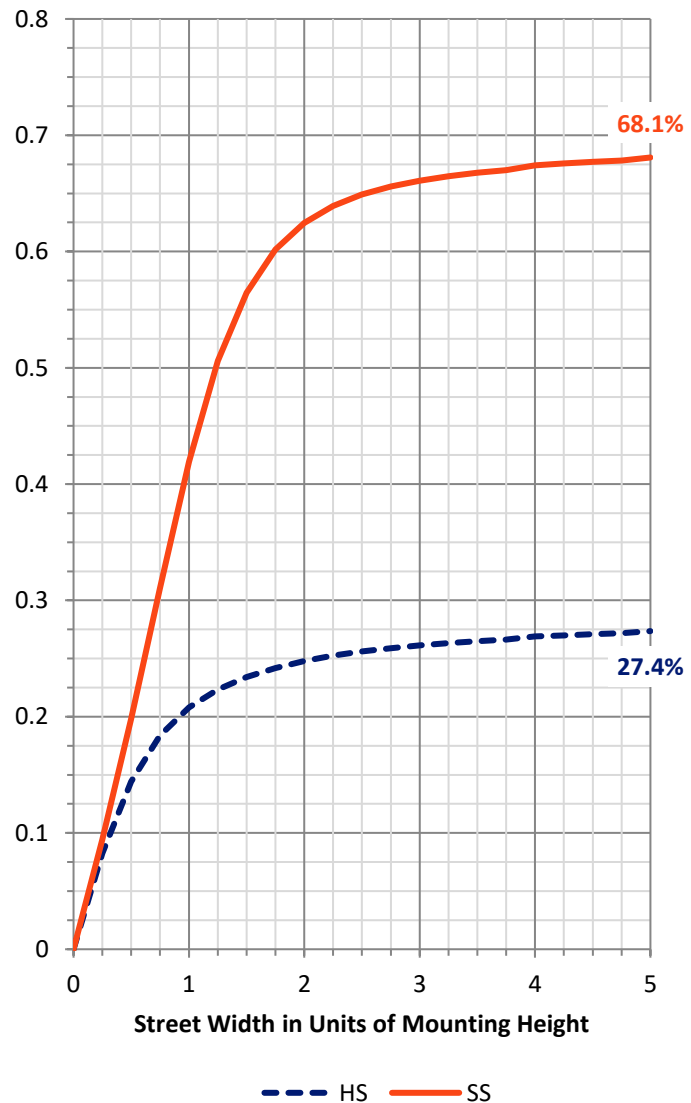
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2228.8	112.1	2340.9
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	5454.7	109.3	5564.1
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	7683.5	221.5	7905.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	0.2
10°-20°	95.6	1.2
20°-30°	302.9	3.8
30°-40°	725.9	9.2
40°-50°	1340.2	17.0
50°-60°	1826.2	23.1
60°-70°	1780.5	22.5
70°-80°	1162.8	14.7
80°-90°	430.7	5.4
90°-100°	119.7	1.5
100°-110°	50.2	0.6
110°-120°	25.3	0.3
120°-130°	14.3	0.2
130°-140°	8.0	0.1
140°-150°	3.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7683.5	97.2
0°-180°	7905.0	100.0



REPORT NUMBER: P416403

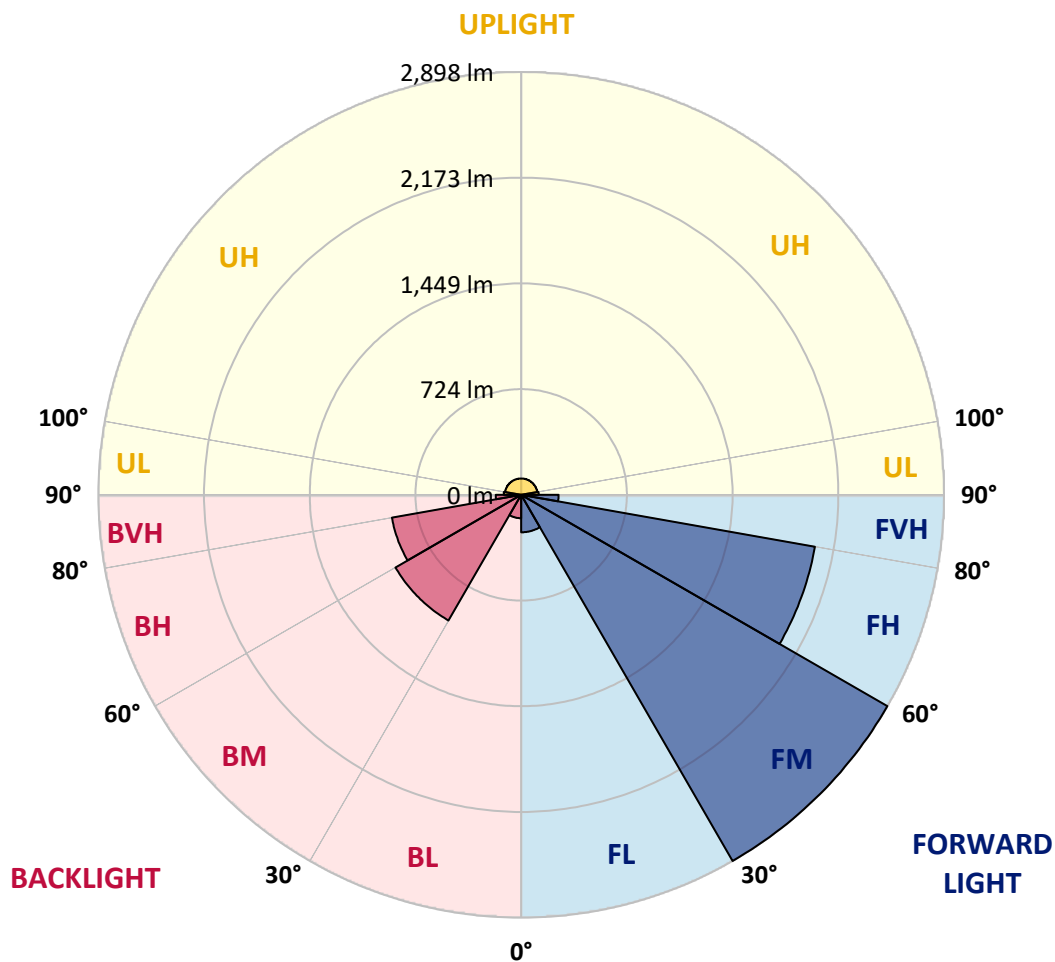
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.8	3.2			
FM (30°-60°)	2897.5	36.7			
FH (60°-80°)	2044.0	25.9			G2/5000
FVH (80°-90°)	256.4	3.2			G3/500
BL (0°-30°)	160.5	2.0	B1/500		
BM (30°-60°)	994.7	12.6	B1/1000		
BH (60°-80°)	899.3	11.4	B2/1000		G2/1000
BVH (80°-90°)	174.3	2.2			G2/225
UL (90°-100°)	119.7	1.5		U3/500	
UH (100°-180°)	112.1	1.4		U3/500	

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

Type II Short





REPORT NUMBER: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7
2.5°	182.1	181.2	179.3	178.4	178.4	176.6	174.8	172.0	170.2	169.3	167.4
5°	205.9	204.0	202.2	200.4	198.5	195.8	191.2	188.5	184.8	183.9	180.2
7.5°	239.7	237.9	232.4	230.6	227.8	224.2	218.7	213.2	209.5	206.8	201.3
10°	284.5	282.7	279.1	274.5	269.0	261.7	252.5	247.0	237.9	239.7	231.5
12.5°	345.8	341.3	336.7	329.4	318.4	310.2	297.4	291.9	281.8	281.8	271.7
15°	420.0	419.0	409.9	394.3	384.3	366.9	355.9	344.0	337.6	337.6	329.4
17.5°	516.0	509.6	502.3	481.3	458.4	437.3	422.7	414.5	407.1	405.3	394.3
20°	635.0	625.8	614.8	577.3	549.9	524.3	503.2	496.8	491.3	490.4	481.3
22.5°	785.9	766.7	746.6	710.0	666.1	621.2	606.6	592.0	592.9	594.7	573.7
25°	953.4	947.9	912.2	860.0	802.4	753.0	712.7	707.2	712.7	709.1	700.8
27.5°	1168.4	1150.1	1105.2	1038.4	947.0	889.3	846.3	842.7	843.6	848.1	834.4
30°	1419.1	1409.9	1353.2	1241.6	1123.5	1046.7	1000.0	993.6	1004.6	1005.5	984.5
32.5°	1714.6	1696.3	1609.4	1484.9	1323.9	1226.0	1172.9	1171.1	1183.0	1185.7	1169.3
35°	2013.8	2004.6	1918.6	1740.2	1563.6	1415.4	1361.4	1365.1	1373.3	1389.8	1370.6
37.5°	2358.7	2334.0	2223.3	2034.8	1811.6	1634.1	1576.4	1589.2	1602.0	1602.0	1575.5
40°	2684.4	2675.3	2559.1	2322.1	2054.9	1890.2	1827.1	1834.4	1833.5	1834.4	1799.7
42.5°	2986.3	2955.2	2852.8	2601.1	2325.8	2158.3	2082.4	2094.3	2105.3	2113.5	2025.7
45°	3190.4	3163.8	3073.3	2825.3	2581.9	2423.7	2374.2	2374.2	2387.1	2383.4	2296.5
47.5°	3262.6	3259.0	3191.3	3002.8	2779.6	2657.0	2659.7	2669.8	2689.0	2671.6	2547.2
50°	3228.8	3214.1	3202.3	3097.0	2943.3	2884.8	2939.7	2990.9	2992.7	2961.6	2803.3
52.5°	3016.5	3018.4	3078.7	3059.5	2989.1	3048.5	3216.0	3306.6	3298.3	3268.1	3077.8
55°	2693.6	2708.2	2813.4	2893.9	2936.9	3101.6	3420.9	3608.5	3590.2	3548.1	3355.0
57.5°	2263.5	2311.1	2452.0	2627.7	2781.4	3052.2	3532.5	3870.2	3850.9	3850.9	3631.4
60°	1806.1	1844.5	2052.2	2266.3	2508.7	2885.7	3543.5	4062.3	4109.0	4079.7	3827.2
62.5°	1400.8	1417.2	1632.2	1902.1	2162.0	2605.7	3417.3	4153.8	4277.3	4252.6	4002.8
65°	1031.1	1077.8	1251.6	1498.7	1767.6	2275.4	3147.4	4099.8	4341.3	4328.5	4099.8
67.5°	766.7	787.8	933.2	1162.0	1428.2	1864.6	2753.9	3863.8	4264.5	4275.5	4085.2
70°	574.6	580.1	693.5	882.0	1108.9	1471.2	2295.6	3486.8	4009.2	4058.6	3954.3
72.5°	434.6	444.7	538.9	687.1	855.5	1132.7	1814.3	2974.4	3573.7	3696.3	3657.0
75°	340.4	352.2	417.2	531.6	661.5	857.3	1373.3	2368.8	3027.5	3185.8	3229.7
77.5°	269.0	281.8	336.7	424.5	516.0	661.5	1009.2	1772.2	2418.2	2576.4	2704.5
80°	211.3	220.5	269.0	333.9	406.2	488.6	707.2	1288.2	1775.9	1973.5	2090.6
82.5°	161.0	171.1	208.6	263.5	318.4	373.3	505.0	876.5	1288.2	1377.9	1577.3
85°	117.1	126.3	157.4	202.2	245.2	289.1	369.6	584.6	820.7	927.7	1028.4
87.5°	86.0	89.7	117.1	150.0	188.5	218.7	266.2	373.3	521.5	574.6	658.7
90°	60.4	64.0	86.0	110.7	142.7	171.1	195.8	247.0	324.8	372.4	387.9
92.5°	44.8	47.6	64.0	83.3	109.8	132.7	148.2	174.8	211.3	231.5	244.3
95°	33.9	36.6	50.3	65.9	85.1	104.3	116.2	126.3	147.3	152.8	163.8
97.5°	27.4	29.3	41.2	54.0	68.6	86.0	92.4	97.9	105.2	110.7	115.3
100°	23.8	24.7	34.8	45.7	58.6	69.5	75.0	77.8	82.3	84.2	86.0
102.5°	21.0	21.0	30.2	39.3	50.3	58.6	63.1	63.1	64.0	65.0	64.0
105°	18.3	19.2	26.5	34.8	43.0	50.3	54.0	52.2	51.2	50.3	47.6
107.5°	17.4	17.4	23.8	31.1	38.4	43.9	46.7	43.0	41.2	39.3	36.6
110°	15.6	16.5	21.0	27.4	33.9	38.4	40.3	36.6	32.9	31.1	28.4



REPORT NUMBER: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.6	15.6	19.2	24.7	30.2	34.8	34.8	31.1	26.5	24.7	22.9
115°	14.6	14.6	17.4	22.0	27.4	31.1	31.1	26.5	22.0	20.1	19.2
117.5°	14.6	14.6	16.5	20.1	24.7	27.4	27.4	22.9	18.3	16.5	16.5
120°	13.7	13.7	15.6	18.3	22.9	24.7	23.8	20.1	15.6	14.6	14.6
122.5°	13.7	13.7	14.6	17.4	21.0	22.9	22.0	17.4	13.7	11.9	12.8
125°	14.6	13.7	14.6	16.5	19.2	20.1	19.2	14.6	11.9	11.0	11.9
127.5°	14.6	14.6	13.7	15.6	17.4	18.3	17.4	12.8	10.1	10.1	11.0
130°	14.6	14.6	13.7	14.6	15.6	16.5	14.6	11.0	9.1	9.1	10.1
132.5°	14.6	14.6	13.7	13.7	14.6	14.6	12.8	9.1	8.2	8.2	9.1
135°	14.6	14.6	12.8	12.8	12.8	12.8	11.0	8.2	7.3	7.3	8.2
137.5°	13.7	13.7	12.8	11.9	11.9	11.0	9.1	6.4	5.5	6.4	7.3
140°	12.8	12.8	11.9	10.1	10.1	9.1	7.3	5.5	4.6	5.5	5.5
142.5°	11.9	11.9	11.0	9.1	8.2	7.3	6.4	3.7	3.7	3.7	4.6
145°	11.0	11.0	10.1	7.3	6.4	5.5	4.6	2.7	2.7	2.7	3.7
147.5°	9.1	9.1	8.2	6.4	4.6	4.6	2.7	1.8	2.7	2.7	2.7
150°	7.3	7.3	6.4	4.6	3.7	2.7	0.9	1.8	1.8	1.8	2.7
152.5°	6.4	6.4	4.6	3.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
155°	4.6	4.6	3.7	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	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: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7
2.5°	165.6	165.6	164.7	163.8	162.9	161.9	160.1	159.2	159.2	158.3	158.3
5°	178.4	177.5	174.8	172.0	168.3	166.5	163.8	161.9	161.0	160.1	160.1
7.5°	198.5	196.7	191.2	186.6	182.1	178.4	173.8	171.1	170.2	167.4	168.3
10°	226.9	224.2	217.8	209.5	201.3	195.8	189.4	185.7	183.9	182.1	180.2
12.5°	268.1	262.6	251.6	240.6	228.7	217.8	211.3	208.6	210.4	209.5	210.4
15°	324.8	314.7	298.3	281.8	260.8	247.0	245.2	244.3	244.3	245.2	247.0
17.5°	388.8	377.9	356.8	326.6	301.9	288.2	280.0	279.1	283.6	284.5	283.6
20°	473.0	462.0	429.1	387.9	352.2	330.3	319.3	319.3	325.7	327.5	331.2
22.5°	563.6	557.2	512.4	455.6	408.1	372.4	356.8	358.7	367.8	370.5	372.4
25°	689.9	664.2	609.3	531.6	463.0	415.4	394.3	395.2	405.3	412.6	415.4
27.5°	828.9	799.6	719.1	617.6	517.9	451.1	427.3	428.2	440.1	449.2	451.1
30°	978.1	948.8	843.6	702.7	569.1	483.1	451.1	452.0	465.7	475.8	477.6
32.5°	1137.3	1113.5	966.2	794.2	613.9	505.0	466.6	467.5	479.4	488.6	490.4
35°	1338.5	1284.6	1111.6	875.6	651.4	518.8	473.9	473.0	484.9	494.1	495.9
37.5°	1537.1	1479.4	1249.8	951.5	673.4	522.4	472.1	472.1	481.3	488.6	489.5
40°	1753.0	1656.9	1395.3	1011.0	681.6	516.9	466.6	465.7	473.0	476.7	477.6
42.5°	1985.4	1867.4	1538.0	1058.6	678.0	505.0	456.6	457.5	460.2	460.2	459.3
45°	2194.9	2075.1	1660.6	1089.7	665.2	489.5	444.7	445.6	446.5	439.2	439.2
47.5°	2441.0	2295.6	1775.9	1097.0	639.5	473.9	435.5	437.3	432.8	422.7	420.9
50°	2674.3	2512.4	1892.1	1094.3	613.0	457.5	426.4	428.2	420.0	406.2	403.5
52.5°	2934.2	2726.5	2001.9	1080.5	581.0	442.8	420.0	421.8	412.6	396.2	393.4
55°	3190.4	2953.4	2102.5	1056.7	553.5	427.3	413.5	418.1	406.2	389.8	388.8
57.5°	3434.6	3178.5	2185.8	1022.0	524.3	416.3	409.0	414.5	403.5	387.0	386.1
60°	3652.4	3369.7	2252.6	988.1	492.2	405.3	404.4	411.7	401.7	387.9	387.0
62.5°	3805.2	3541.7	2282.8	942.4	466.6	393.4	398.9	406.2	398.9	387.9	387.9
65°	3926.9	3618.5	2270.9	882.0	439.2	380.6	391.6	398.9	394.3	387.0	387.9
67.5°	3904.0	3616.7	2193.1	809.7	413.5	366.9	378.8	388.8	385.2	382.4	381.5
70°	3763.1	3445.6	2044.0	731.0	387.0	349.5	363.2	373.3	372.4	371.5	371.5
72.5°	3473.1	3149.2	1820.7	640.5	359.6	331.2	343.1	352.2	354.1	353.2	350.4
75°	3094.3	2741.1	1561.8	555.4	331.2	309.2	322.1	327.5	330.3	328.5	328.5
77.5°	2538.9	2285.5	1241.6	469.4	301.0	284.5	293.7	298.3	301.9	297.4	294.6
80°	2017.4	1738.4	955.2	383.4	268.1	257.1	261.7	263.5	267.2	262.6	257.1
82.5°	1416.3	1238.8	692.6	312.9	235.1	226.0	228.7	227.8	229.6	223.2	215.9
85°	946.0	832.6	476.7	251.6	201.3	193.1	193.1	190.3	188.5	182.1	176.6
87.5°	593.8	527.0	327.5	198.5	169.3	162.9	159.2	153.7	151.9	147.3	140.9
90°	366.0	336.7	228.7	159.2	140.9	135.4	131.7	123.5	122.6	115.3	110.7
92.5°	239.7	219.6	169.3	129.0	118.0	112.5	108.0	100.6	99.7	94.2	91.5
95°	158.3	153.7	129.0	108.0	99.7	95.2	90.6	84.2	82.3	76.9	73.2
97.5°	116.2	116.2	106.1	91.5	85.1	80.5	77.8	72.3	68.6	63.1	61.3
100°	87.8	88.7	85.1	78.7	73.2	68.6	65.9	61.3	58.6	53.1	52.2
102.5°	67.7	69.5	70.4	66.8	63.1	59.5	56.7	53.1	49.4	43.9	43.0
105°	52.2	54.0	57.6	56.7	54.9	52.2	49.4	45.7	41.2	36.6	36.6
107.5°	40.3	42.1	47.6	48.5	47.6	44.8	43.0	39.3	35.7	31.1	31.1
110°	31.1	33.9	39.3	41.2	41.2	39.3	37.5	33.9	29.3	26.5	26.5



REPORT NUMBER: P416403

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.6	28.4	32.9	35.7	35.7	34.8	32.0	28.4	24.7	22.9	22.9
115°	21.0	23.8	28.4	31.1	31.1	30.2	28.4	24.7	21.0	20.1	20.1
117.5°	18.3	20.1	23.8	26.5	27.4	26.5	24.7	21.0	18.3	18.3	18.3
120°	16.5	18.3	21.0	22.9	23.8	22.9	21.0	18.3	15.6	16.5	16.5
122.5°	14.6	15.6	18.3	21.0	21.0	21.0	19.2	15.6	13.7	14.6	14.6
125°	12.8	14.6	16.5	18.3	19.2	18.3	16.5	13.7	11.9	12.8	13.7
127.5°	11.9	12.8	14.6	16.5	16.5	16.5	14.6	11.9	11.0	11.9	11.9
130°	11.0	11.9	12.8	14.6	14.6	14.6	12.8	10.1	10.1	11.0	11.0
132.5°	10.1	11.0	11.9	12.8	12.8	12.8	11.0	9.1	8.2	10.1	10.1
135°	9.1	9.1	10.1	11.0	11.0	11.0	9.1	7.3	7.3	9.1	9.1
137.5°	7.3	8.2	9.1	9.1	9.1	9.1	7.3	6.4	6.4	7.3	7.3
140°	6.4	6.4	7.3	7.3	7.3	7.3	6.4	4.6	5.5	6.4	6.4
142.5°	5.5	5.5	6.4	6.4	6.4	5.5	4.6	3.7	4.6	5.5	5.5
145°	3.7	4.6	4.6	4.6	4.6	3.7	2.7	2.7	3.7	4.6	4.6
147.5°	3.7	3.7	3.7	3.7	3.7	2.7	1.8	1.8	2.7	3.7	3.7
150°	2.7	2.7	3.7	3.7	2.7	1.8	0.9	0.9	1.8	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	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)