

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: P413785

Luminaire Tested: **LXF.LXT-PA1-100-730-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413785  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8456 lumens  
Efficiency: N/A  
Efficacy: 88.1 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

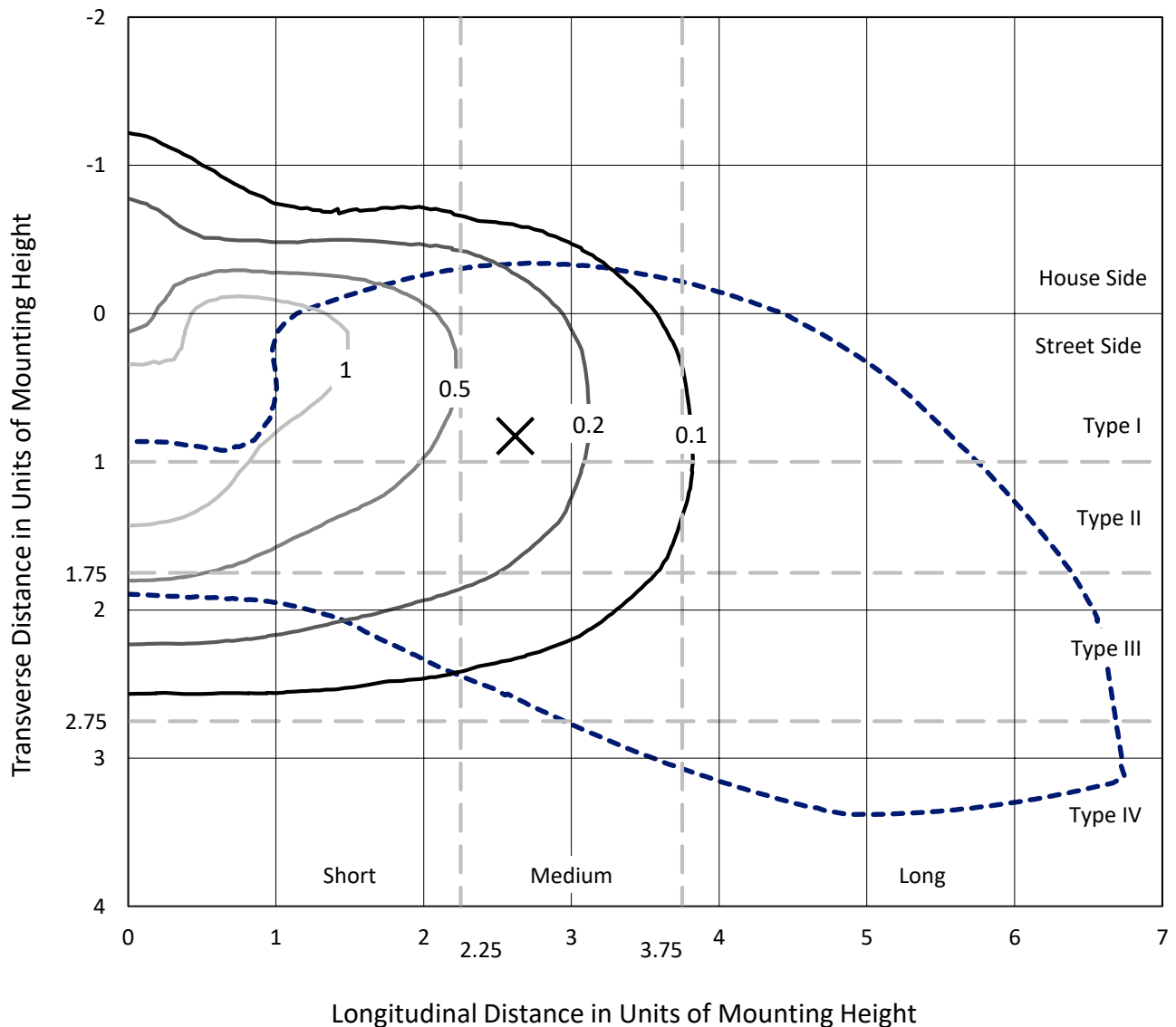
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

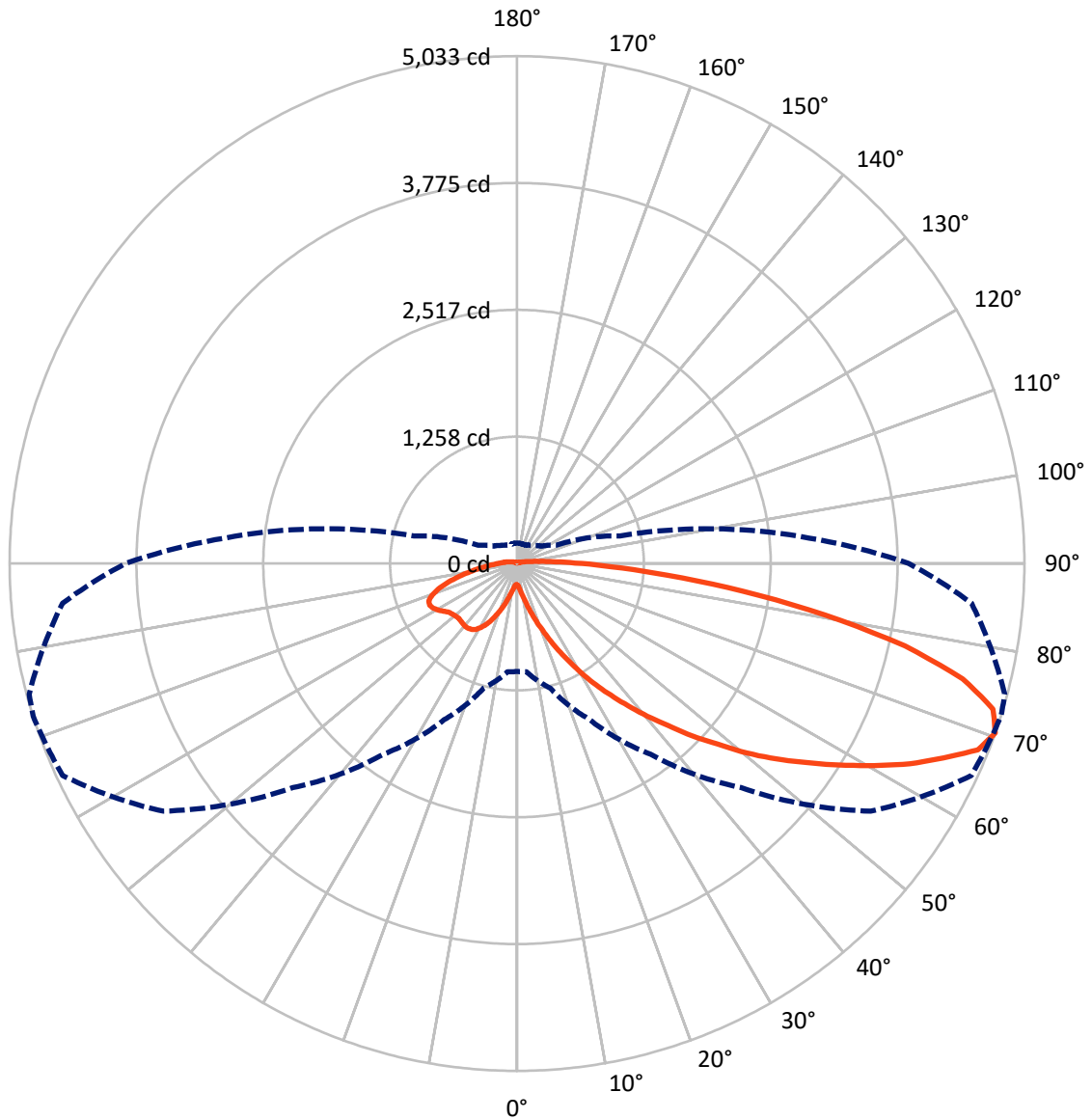


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1520.1	137.9	1658.0
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	6638.8	159.2	6798.0
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	8158.9	297.1	8456.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.8	0.3
10°-20°	114.5	1.4
20°-30°	319.5	3.8
30°-40°	662.3	7.8
40°-50°	1143.9	13.5
50°-60°	1689.4	20.0
60°-70°	1994.0	23.6
70°-80°	1582.5	18.7
80°-90°	629.1	7.4
90°-100°	166.3	2.0
100°-110°	64.2	0.8
110°-120°	31.3	0.4
120°-130°	17.7	0.2
130°-140°	10.4	0.1
140°-150°	4.9	0.1
150°-160°	1.6	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	8158.9	96.5
0°-180°	8456.0	100.0



REPORT NUMBER: P413785

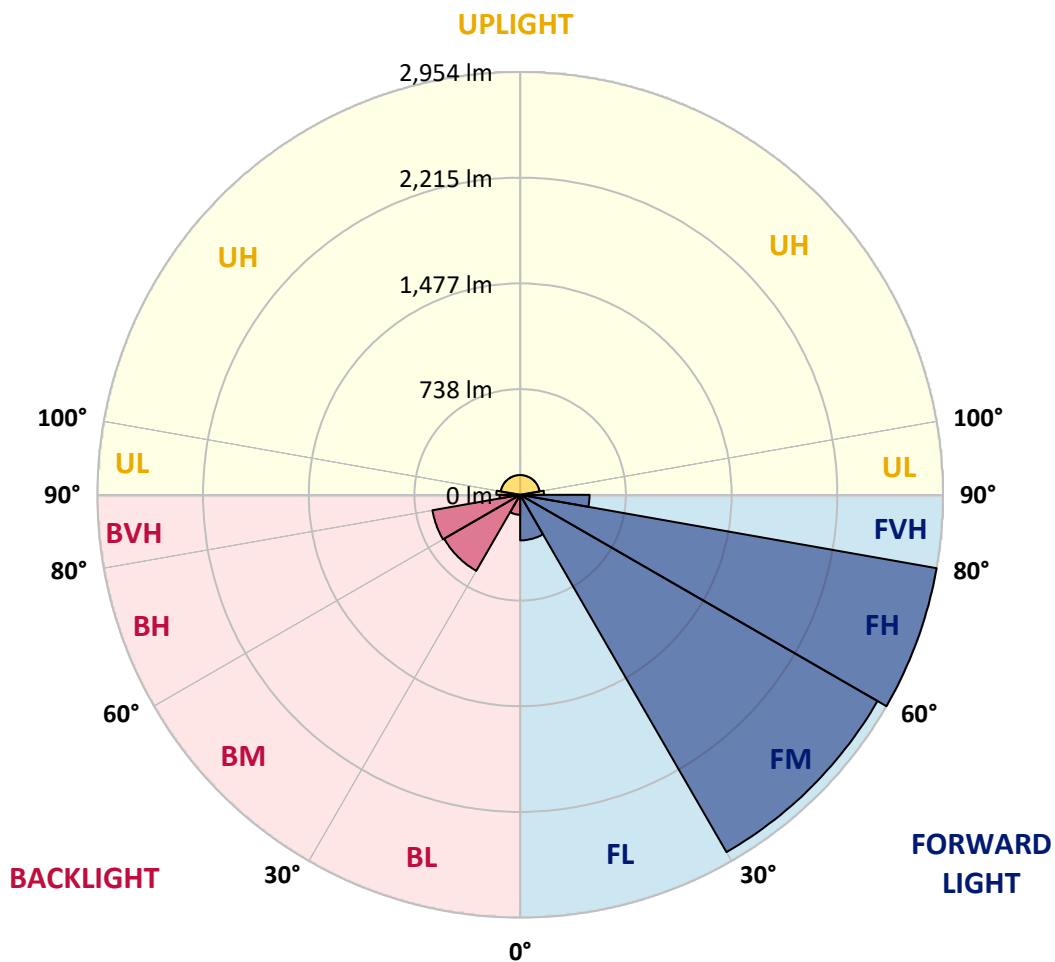
CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.3	3.8			
FM (30°-60°)	2882.2	34.1			
FH (60°-80°)	2953.8	34.9			G2/5000
FVH (80°-90°)	484.5	5.7			G3/500
BL (0°-30°)	139.5	1.6	B1/500		
BM (30°-60°)	613.4	7.3	B1/1000		
BH (60°-80°)	622.6	7.4	B2/1000		G2/1000
BVH (80°-90°)	144.7	1.7			G2/225
UL (90°-100°)	166.3	2.0		U3/500	
UH (100°-180°)	137.9	1.6		U3/500	

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

Type IV Medium





REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	237.6	238.6	237.6	237.6	235.6	234.6	228.7	224.7	221.7	219.7	216.7
5°	275.4	277.4	276.4	276.4	271.4	268.5	261.5	253.5	247.6	246.6	237.6
7.5°	326.1	325.1	321.1	320.2	318.2	313.2	303.2	291.3	285.4	283.4	270.4
10°	388.8	383.8	385.8	378.8	374.8	366.9	357.9	349.0	337.1	337.1	319.2
12.5°	451.4	462.3	459.3	449.4	441.5	428.5	417.6	414.6	400.7	402.7	385.8
15°	553.8	552.8	543.9	536.9	521.0	505.1	495.1	488.2	484.2	481.2	462.3
17.5°	662.2	656.2	649.3	628.4	605.5	591.6	582.6	575.7	580.6	579.7	556.8
20°	787.5	780.5	770.6	732.8	702.9	681.1	676.1	684.1	687.0	695.0	672.1
22.5°	926.7	923.7	899.8	857.1	806.3	777.5	772.5	791.4	814.3	818.3	802.4
25°	1093.7	1089.7	1056.9	995.3	928.6	884.9	884.9	914.7	952.5	961.5	953.5
27.5°	1272.7	1262.7	1220.0	1144.4	1052.9	996.3	989.3	1043.0	1095.7	1121.5	1111.6
30°	1478.5	1476.5	1405.9	1313.4	1204.1	1113.6	1110.6	1189.1	1263.7	1275.6	1277.6
32.5°	1690.2	1707.1	1625.6	1487.4	1355.2	1248.8	1243.8	1332.3	1435.7	1456.6	1456.6
35°	1934.8	1935.8	1835.4	1698.2	1517.2	1395.9	1382.0	1487.4	1602.7	1631.6	1647.5
37.5°	2181.4	2175.4	2085.0	1896.1	1693.2	1547.1	1534.1	1658.4	1789.7	1836.4	1833.4
40°	2424.0	2440.9	2326.6	2117.8	1873.2	1725.0	1693.2	1839.4	1990.5	2043.2	2022.3
42.5°	2685.5	2681.5	2579.1	2346.5	2074.0	1897.1	1878.2	2029.3	2197.3	2257.0	2238.1
45°	2914.2	2912.2	2800.8	2568.2	2265.9	2095.9	2070.1	2230.1	2440.9	2496.6	2457.8
47.5°	3125.0	3120.0	3004.7	2768.0	2434.0	2285.8	2287.8	2451.8	2675.6	2767.0	2707.4
50°	3288.0	3271.1	3198.5	2943.0	2615.9	2485.7	2523.4	2716.3	2954.9	3037.5	2972.8
52.5°	3375.5	3349.7	3293.0	3065.3	2787.9	2683.5	2756.1	2984.8	3220.4	3299.0	3228.4
55°	3333.8	3333.8	3301.9	3139.9	2910.2	2864.5	3010.6	3241.3	3486.9	3573.4	3510.7
57.5°	3165.7	3191.6	3206.5	3120.0	2994.7	3043.4	3275.1	3533.6	3769.2	3864.7	3782.2
60°	2871.4	2878.4	2987.8	3012.6	3028.5	3195.6	3549.5	3857.7	4069.5	4145.1	4051.6
62.5°	2454.8	2487.6	2620.9	2804.8	2978.8	3321.8	3837.9	4183.9	4374.8	4425.5	4289.2
65°	1991.5	1983.6	2230.1	2505.5	2841.6	3358.6	4070.5	4500.0	4648.2	4715.8	4479.1
67.5°	1510.3	1505.3	1733.0	2136.7	2608.9	3319.8	4259.4	4768.5	4931.5	4933.5	4598.5
70°	1070.8	1078.8	1280.6	1709.1	2308.7	3142.9	4282.3	4973.3	5033.0	5009.1	4525.9
72.5°	726.8	732.8	924.7	1309.4	1911.0	2856.5	4091.4	4951.4	4937.5	4870.9	4227.6
75°	468.3	508.1	650.2	995.3	1547.1	2443.9	3720.5	4638.2	4565.6	4455.3	3709.6
77.5°	323.1	343.0	452.4	724.8	1209.0	2018.4	3194.6	4008.9	3933.3	3798.1	2990.7
80°	218.7	227.7	311.2	541.9	951.5	1586.8	2603.0	3227.4	3097.1	2957.9	2243.1
82.5°	146.2	163.1	223.7	388.8	719.8	1224.9	1979.6	2464.8	2258.0	2137.7	1575.9
85°	97.4	106.4	159.1	282.4	521.0	891.9	1424.8	1674.3	1492.4	1386.0	1007.2
87.5°	65.6	73.6	113.3	201.8	385.8	648.3	954.5	1081.8	935.6	869.0	609.5
90°	43.7	48.7	83.5	145.2	272.4	452.4	644.3	668.1	573.7	532.9	372.8
92.5°	30.8	35.8	62.6	107.4	190.9	314.2	413.6	404.7	338.0	318.2	240.6
95°	23.9	27.8	48.7	82.5	139.2	215.8	269.4	246.6	213.8	206.8	166.0
97.5°	20.9	22.9	40.8	66.6	105.4	153.1	175.0	167.0	144.2	140.2	121.3
100°	18.9	20.9	35.8	57.7	84.5	112.4	125.3	116.3	104.4	101.4	89.5
102.5°	17.9	18.9	31.8	49.7	69.6	88.5	96.4	86.5	77.6	76.6	68.6
105°	16.9	17.9	27.8	42.8	58.7	72.6	75.6	67.6	60.6	57.7	51.7
107.5°	15.9	15.9	24.9	37.8	50.7	60.6	62.6	54.7	46.7	44.7	40.8
110°	14.9	15.9	22.9	33.8	44.7	52.7	52.7	44.7	36.8	34.8	32.8



REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	14.9	14.9	20.9	29.8	39.8	45.7	44.7	36.8	29.8	26.8	26.8
115°	13.9	14.9	19.9	27.8	35.8	39.8	37.8	30.8	23.9	21.9	22.9
117.5°	13.9	14.9	17.9	24.9	31.8	34.8	32.8	25.9	19.9	18.9	20.9
120°	13.9	14.9	17.9	22.9	27.8	30.8	28.8	21.9	17.9	16.9	18.9
122.5°	14.9	14.9	16.9	20.9	25.9	27.8	24.9	18.9	15.9	14.9	16.9
125°	14.9	14.9	16.9	19.9	23.9	24.9	21.9	16.9	13.9	13.9	15.9
127.5°	14.9	14.9	16.9	18.9	21.9	21.9	19.9	14.9	12.9	12.9	14.9
130°	14.9	14.9	15.9	17.9	19.9	19.9	16.9	12.9	11.9	11.9	13.9
132.5°	15.9	15.9	15.9	16.9	17.9	17.9	14.9	11.9	10.9	10.9	13.9
135°	14.9	14.9	14.9	15.9	15.9	15.9	12.9	10.9	9.9	10.9	12.9
137.5°	13.9	13.9	14.9	14.9	14.9	13.9	10.9	8.9	8.9	9.9	11.9
140°	13.9	12.9	13.9	13.9	12.9	11.9	9.9	8.0	8.0	8.9	9.9
142.5°	11.9	11.9	11.9	11.9	10.9	9.9	8.0	7.0	8.0	8.0	8.9
145°	10.9	10.9	10.9	9.9	9.9	8.0	6.0	6.0	6.0	7.0	8.0
147.5°	8.9	8.9	8.9	8.9	8.0	7.0	4.0	5.0	5.0	5.0	6.0
150°	7.0	7.0	8.0	7.0	6.0	5.0	3.0	4.0	5.0	5.0	5.0
152.5°	6.0	6.0	6.0	6.0	5.0	3.0	3.0	4.0	4.0	4.0	5.0
155°	4.0	4.0	4.0	4.0	3.0	2.0	3.0	3.0	4.0	4.0	4.0
157.5°	2.0	2.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
160°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
162.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
165°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
167.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
170°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
172.5°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
175°	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0
177.5°	0.0	1.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	3.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0





REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	214.8	212.8	208.8	204.8	201.8	198.9	196.9	193.9	191.9	191.9	191.9
5°	231.7	229.7	219.7	209.8	200.8	192.9	186.9	180.0	177.0	174.0	175.0
7.5°	265.5	258.5	242.6	225.7	210.8	194.9	182.9	173.0	167.0	163.1	163.1
10°	311.2	300.3	276.4	250.6	225.7	202.8	184.9	171.0	161.1	157.1	157.1
12.5°	369.9	358.9	322.1	283.4	245.6	212.8	189.9	172.0	161.1	156.1	156.1
15°	448.4	429.5	379.8	324.1	269.4	224.7	194.9	180.0	173.0	170.0	170.0
17.5°	541.9	514.0	449.4	365.9	293.3	236.6	207.8	193.9	187.9	186.9	186.9
20°	651.2	616.4	519.0	407.6	312.2	251.5	218.7	206.8	204.8	205.8	205.8
22.5°	775.5	724.8	590.6	445.4	330.1	260.5	226.7	216.7	218.7	223.7	222.7
25°	906.8	853.1	669.1	479.2	342.0	264.5	231.7	225.7	233.7	239.6	239.6
27.5°	1059.9	976.4	740.7	503.1	345.0	261.5	232.7	229.7	240.6	249.6	251.5
30°	1216.0	1108.6	802.4	518.0	339.0	254.5	228.7	230.7	243.6	255.5	256.5
32.5°	1374.1	1233.9	853.1	521.0	329.1	245.6	224.7	228.7	242.6	255.5	257.5
35°	1531.2	1351.2	886.9	510.1	313.2	236.6	217.7	224.7	238.6	253.5	255.5
37.5°	1685.3	1462.6	907.8	492.2	297.3	228.7	212.8	219.7	233.7	250.6	252.5
40°	1853.3	1581.9	919.7	471.3	281.4	221.7	209.8	216.7	230.7	246.6	249.6
42.5°	2007.4	1691.2	920.7	445.4	269.4	218.7	207.8	213.8	226.7	243.6	246.6
45°	2208.3	1803.6	920.7	423.6	261.5	217.7	207.8	212.8	224.7	242.6	246.6
47.5°	2398.2	1932.8	922.7	404.7	257.5	219.7	209.8	211.8	221.7	242.6	246.6
50°	2618.9	2057.1	938.6	390.7	256.5	223.7	212.8	210.8	218.7	240.6	245.6
52.5°	2838.6	2221.2	958.5	380.8	258.5	227.7	214.8	210.8	215.8	235.6	241.6
55°	3079.2	2377.3	980.3	381.8	262.5	231.7	217.7	209.8	211.8	227.7	233.7
57.5°	3319.8	2560.2	1028.1	387.8	267.5	236.6	220.7	209.8	206.8	218.7	223.7
60°	3530.6	2721.3	1077.8	400.7	274.4	241.6	222.7	208.8	202.8	209.8	213.8
62.5°	3753.3	2897.3	1117.6	411.6	282.4	245.6	222.7	207.8	199.8	204.8	206.8
65°	3898.5	3001.7	1138.4	425.5	290.3	248.6	223.7	205.8	198.9	201.8	203.8
67.5°	3973.1	3018.6	1124.5	430.5	297.3	250.6	222.7	203.8	199.8	201.8	203.8
70°	3884.6	2906.2	1057.9	427.5	299.3	250.6	220.7	201.8	199.8	202.8	203.8
72.5°	3564.4	2635.8	959.5	412.6	296.3	246.6	217.7	198.9	198.9	203.8	203.8
75°	3069.3	2247.0	830.2	389.8	288.3	240.6	211.8	193.9	195.9	202.8	202.8
77.5°	2457.8	1777.7	684.1	356.9	273.4	230.7	203.8	186.9	191.9	199.8	198.9
80°	1829.4	1324.4	550.8	320.2	253.5	216.7	192.9	179.0	185.9	192.9	190.9
82.5°	1219.0	929.6	435.5	281.4	232.7	202.8	181.0	168.0	177.0	183.9	181.0
85°	791.4	619.4	337.1	242.6	210.8	186.9	166.0	156.1	165.0	171.0	168.0
87.5°	493.2	415.6	256.5	206.8	187.9	169.0	153.1	142.2	151.1	157.1	153.1
90°	326.1	278.4	201.8	179.0	167.0	152.1	137.2	129.3	138.2	140.2	137.2
92.5°	214.8	196.9	164.1	153.1	147.2	135.2	124.3	117.3	124.3	125.3	123.3
95°	154.1	149.1	135.2	133.2	130.2	120.3	111.4	105.4	109.4	110.4	106.4
97.5°	117.3	116.3	115.3	115.3	113.3	106.4	98.4	93.5	95.4	94.5	91.5
100°	91.5	93.5	96.4	98.4	97.4	92.5	86.5	82.5	83.5	79.5	76.6
102.5°	71.6	75.6	80.5	83.5	83.5	79.5	76.6	72.6	69.6	64.6	63.6
105°	56.7	59.7	66.6	71.6	71.6	69.6	66.6	61.6	58.7	52.7	52.7
107.5°	44.7	48.7	56.7	60.6	61.6	59.7	57.7	53.7	48.7	42.8	42.8
110°	35.8	38.8	47.7	51.7	52.7	51.7	49.7	44.7	39.8	35.8	35.8



REPORT NUMBER: P413785

CATALOG NUMBER: LXF.LXT-PA1-100-730-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.8	32.8	39.8	43.7	45.7	44.7	42.8	37.8	32.8	29.8	29.8
115°	25.9	28.8	33.8	37.8	38.8	38.8	35.8	32.8	26.8	25.9	25.9
117.5°	22.9	24.9	29.8	32.8	34.8	33.8	30.8	27.8	23.9	22.9	22.9
120°	20.9	22.9	26.8	29.8	29.8	28.8	26.8	23.9	20.9	19.9	20.9
122.5°	18.9	20.9	23.9	25.9	25.9	25.9	23.9	20.9	17.9	17.9	18.9
125°	17.9	18.9	21.9	22.9	23.9	22.9	20.9	17.9	15.9	16.9	16.9
127.5°	16.9	17.9	19.9	20.9	20.9	19.9	17.9	15.9	13.9	14.9	15.9
130°	15.9	16.9	17.9	18.9	18.9	17.9	15.9	13.9	12.9	13.9	13.9
132.5°	13.9	14.9	15.9	16.9	15.9	15.9	13.9	11.9	11.9	12.9	12.9
135°	12.9	13.9	13.9	14.9	13.9	13.9	11.9	10.9	10.9	11.9	11.9
137.5°	11.9	12.9	12.9	12.9	11.9	11.9	10.9	9.9	9.9	9.9	10.9
140°	10.9	10.9	10.9	10.9	9.9	9.9	8.9	8.0	8.9	8.9	8.9
142.5°	9.9	9.9	9.9	8.9	8.9	8.0	7.0	7.0	8.0	8.0	8.0
145°	8.0	8.0	8.0	7.0	7.0	6.0	6.0	6.0	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	6.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
150°	6.0	6.0	6.0	5.0	4.0	4.0	3.0	4.0	5.0	5.0	5.0
152.5°	5.0	5.0	5.0	5.0	4.0	2.0	3.0	4.0	4.0	4.0	4.0
155°	4.0	4.0	5.0	4.0	3.0	1.0	2.0	3.0	3.0	3.0	3.0
157.5°	4.0	4.0	4.0	3.0	2.0	1.0	2.0	2.0	3.0	2.0	3.0
160°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0
162.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	2.0	1.0	1.0	1.0
165°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
167.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
170°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
172.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
175°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
177.5°	3.0	3.0	3.0	3.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
180°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)