

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: P415978

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415978  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-750-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6887 lumens  
Efficiency: N/A  
Efficacy: 107.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

Input Watts (W): 64  
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

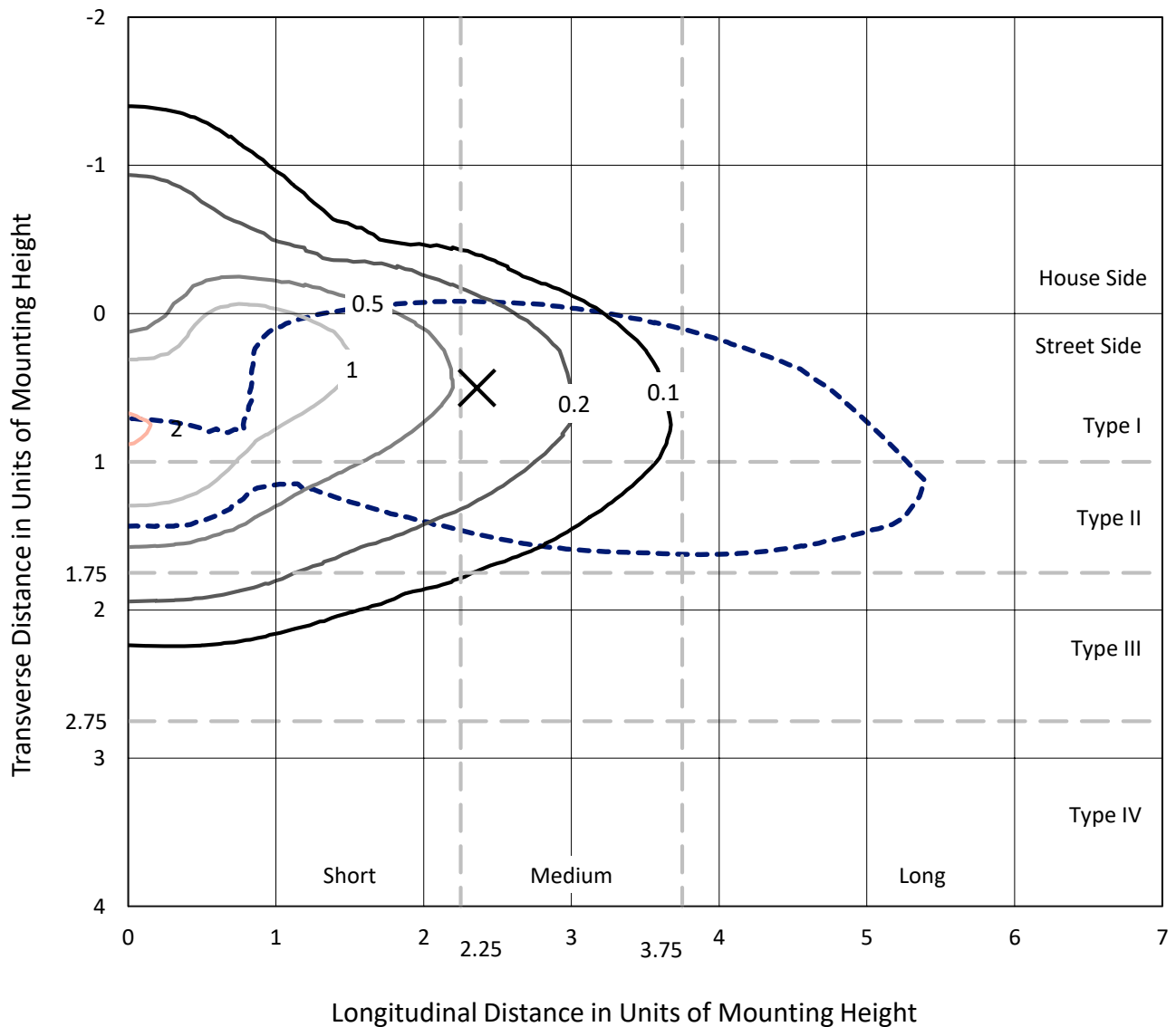


REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

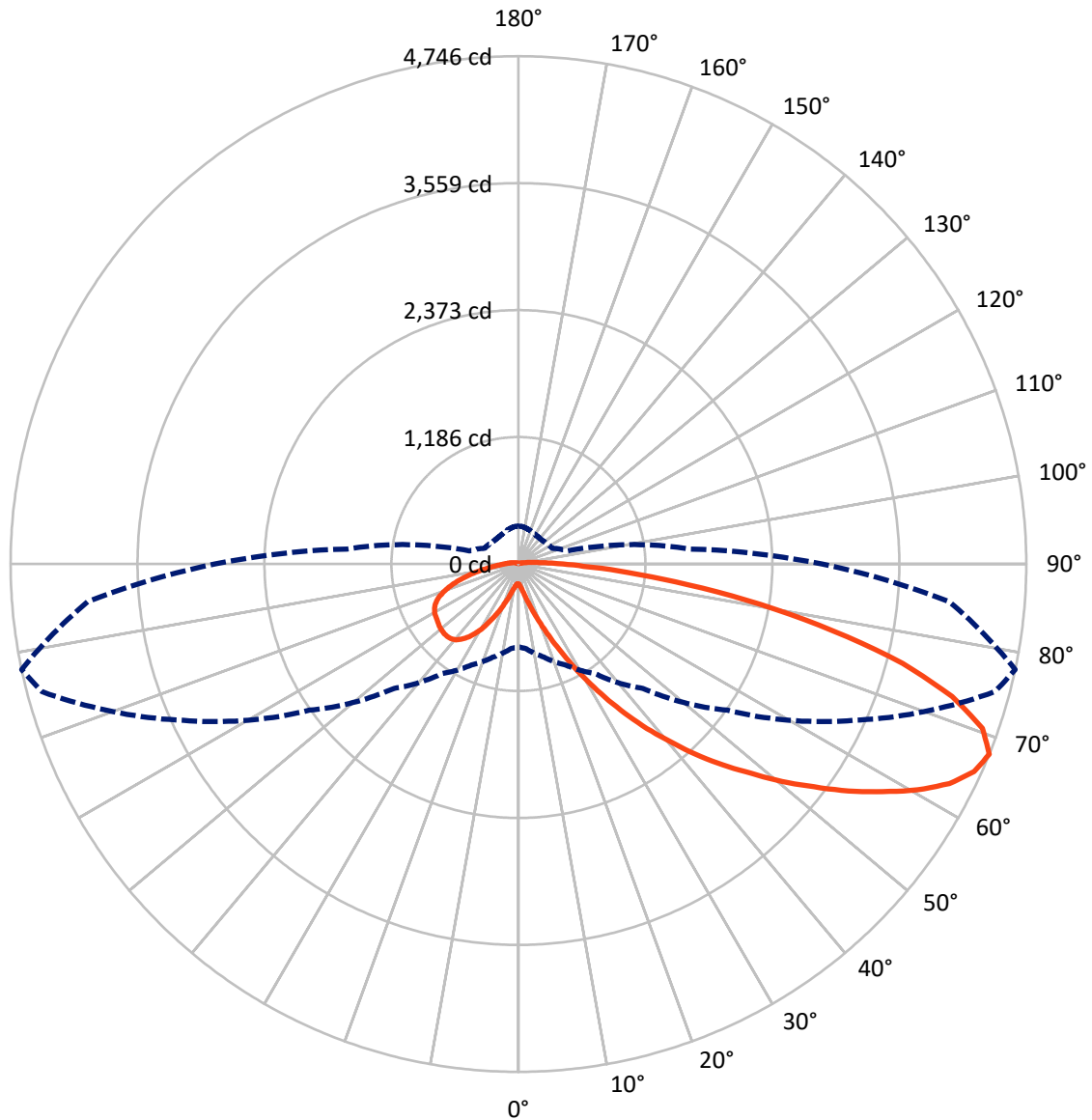


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

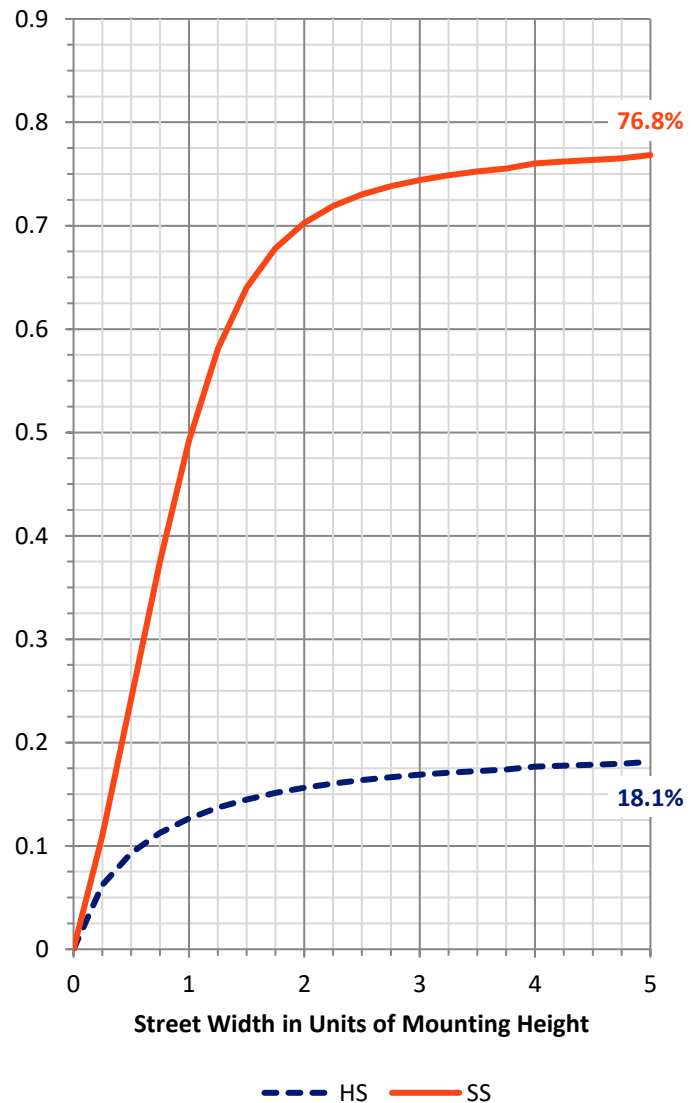
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1308.6	106.3	1414.9
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	5364.4	107.7	5472.1
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	6673.1	213.9	6887.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.4	0.3
10°-20°	106.9	1.6
20°-30°	326.0	4.7
30°-40°	729.4	10.6
40°-50°	1201.8	17.5
50°-60°	1479.1	21.5
60°-70°	1434.6	20.8
70°-80°	993.5	14.4
80°-90°	380.3	5.5
90°-100°	109.1	1.6
100°-110°	47.3	0.7
110°-120°	25.5	0.4
120°-130°	15.8	0.2
130°-140°	9.8	0.1
140°-150°	4.8	0.1
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6673.1	96.9
0°-180°	6887.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415978

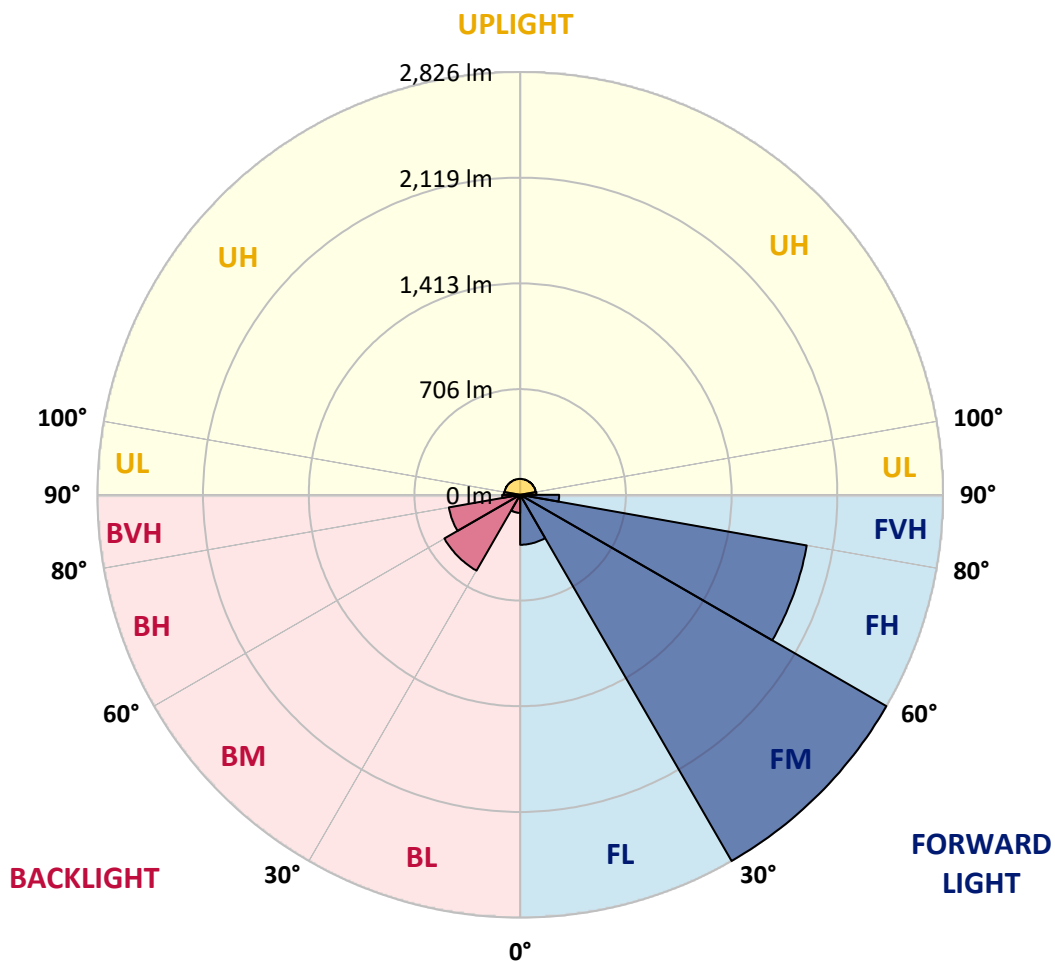
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	333.8	4.8			
FM (30°-60°)	2825.7	41.0			
FH (60°-80°)	1944.6	28.2			G2/5000
FVH (80°-90°)	260.3	3.8			G3/500
BL (0°-30°)	120.5	1.7	B1/500		
BM (30°-60°)	584.5	8.5	B1/1000		
BH (60°-80°)	483.5	7.0	B1/500		G1/500
BVH (80°-90°)	120.0	1.7			G2/225
UL (90°-100°)	109.1	1.6		U3/500	
UH (100°-180°)	106.3	1.5		U3/500	

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

Type II Medium





REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2.5°	223.5	221.9	221.9	221.0	217.8	214.5	209.6	203.9	199.0	195.8	192.5
5°	271.6	265.9	267.5	262.6	256.9	250.4	241.4	229.2	217.8	215.3	206.4
7.5°	329.5	322.2	324.6	318.9	308.3	294.5	282.2	264.3	247.1	241.4	228.4
10°	402.9	395.6	391.5	383.4	371.1	353.2	334.4	310.8	287.1	279.0	262.6
12.5°	490.2	484.5	478.8	467.4	447.8	425.0	401.3	375.2	344.2	333.6	308.3
15°	598.7	593.8	581.6	566.1	537.5	512.2	476.4	452.7	414.4	401.3	370.3
17.5°	720.2	710.4	698.2	675.4	642.7	610.9	580.8	540.8	499.2	488.6	450.2
20°	870.3	867.1	843.4	805.1	769.2	725.9	696.6	657.4	610.9	596.3	545.7
22.5°	1048.1	1041.6	1013.9	956.0	902.1	846.7	823.0	782.2	748.8	728.4	662.3
25°	1261.8	1249.6	1203.9	1134.6	1057.9	991.9	952.7	938.0	911.9	880.9	800.2
27.5°	1489.4	1490.2	1427.4	1324.6	1217.8	1138.7	1108.5	1114.2	1082.4	1065.3	966.6
30°	1770.8	1750.4	1668.0	1541.6	1397.2	1295.3	1277.3	1305.9	1296.9	1263.5	1146.8
32.5°	2052.2	2044.9	1942.9	1770.0	1580.8	1469.0	1456.0	1518.0	1515.5	1482.1	1333.6
35°	2332.8	2324.7	2198.2	1996.8	1772.4	1644.4	1633.0	1714.5	1743.9	1710.5	1544.1
37.5°	2615.0	2596.3	2469.0	2224.3	1954.3	1805.1	1810.0	1912.7	1981.3	1951.1	1747.2
40°	2863.8	2860.5	2712.1	2434.0	2129.7	1968.2	2000.8	2136.2	2220.2	2178.7	1953.5
42.5°	3054.7	3040.8	2909.5	2607.7	2287.1	2120.7	2177.0	2356.5	2464.1	2435.6	2156.6
45°	3142.8	3134.6	3029.4	2739.0	2409.5	2252.9	2341.8	2560.4	2707.2	2676.2	2365.4
47.5°	3119.1	3111.8	3054.7	2803.5	2490.2	2366.3	2487.0	2758.6	2962.5	2920.9	2573.4
50°	2977.2	2984.5	2966.6	2784.7	2518.8	2438.8	2624.8	2956.8	3212.1	3192.5	2774.1
52.5°	2717.8	2739.0	2767.6	2686.8	2492.7	2471.5	2724.3	3128.9	3460.1	3459.2	2996.8
55°	2380.9	2395.6	2495.1	2480.4	2393.2	2470.7	2797.7	3298.6	3739.0	3743.1	3226.8
57.5°	2023.7	2016.3	2148.5	2225.1	2248.0	2407.9	2833.6	3448.6	3985.4	4013.9	3469.9
60°	1633.0	1659.9	1783.9	1940.5	2026.1	2283.9	2821.4	3554.7	4222.7	4285.5	3690.9
62.5°	1327.1	1314.9	1451.1	1621.5	1795.3	2106.1	2732.5	3604.4	4448.7	4518.8	3894.8
65°	1002.5	1027.7	1150.9	1301.8	1508.2	1881.7	2588.9	3578.3	4588.1	4677.9	4022.9
67.5°	773.3	792.8	898.1	1040.0	1250.4	1643.6	2381.8	3456.8	4609.3	4745.6	4040.8
70°	597.9	613.4	687.6	808.3	1009.0	1380.9	2090.6	3225.2	4493.5	4599.6	3876.1
72.5°	476.4	482.9	535.1	633.0	796.9	1126.4	1774.1	2861.4	4143.6	4238.2	3538.4
75°	374.4	384.2	426.6	500.0	622.4	900.5	1450.3	2417.6	3611.0	3708.8	3072.6
77.5°	297.7	307.5	339.3	390.7	482.9	694.1	1133.0	1969.8	2947.8	3008.2	2447.8
80°	236.5	241.4	268.4	306.7	375.2	535.1	853.2	1495.1	2232.5	2295.3	1818.9
82.5°	179.4	183.5	210.4	243.9	292.8	405.4	616.6	1051.4	1572.6	1589.7	1234.9
85°	128.9	136.2	158.2	186.0	224.3	301.8	442.1	713.7	1003.3	1029.4	782.2
87.5°	91.4	94.6	116.6	142.7	171.3	223.5	307.5	469.8	617.5	610.1	474.7
90°	62.0	64.4	84.0	105.2	130.5	167.2	214.5	295.3	379.3	367.1	297.7
92.5°	41.6	45.7	62.0	79.9	102.0	128.9	152.5	193.3	234.9	223.5	189.2
95°	31.0	32.6	47.3	63.6	81.6	98.7	113.4	132.1	150.1	146.8	130.5
97.5°	24.5	26.1	38.3	52.2	66.1	79.9	88.1	94.6	104.4	103.6	93.8
100°	21.2	22.0	32.6	44.9	57.1	66.9	71.8	73.4	76.7	75.0	71.8
102.5°	17.9	19.6	28.5	39.2	49.8	57.1	60.4	58.7	57.9	56.3	53.0
105°	16.3	17.1	25.3	35.1	44.0	49.8	50.6	48.1	44.0	43.2	41.6
107.5°	15.5	16.3	22.8	31.8	39.2	44.0	43.2	40.0	35.1	33.4	32.6
110°	14.7	15.5	21.2	28.5	35.9	39.2	38.3	33.4	27.7	26.1	26.9



REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	14.7	14.7	19.6	26.1	32.6	35.1	33.4	28.5	22.8	22.0	22.8
115°	13.9	14.7	18.8	24.5	29.4	31.8	29.4	24.5	19.6	18.8	19.6
117.5°	13.9	14.7	17.9	22.8	27.7	28.5	26.1	21.2	16.3	16.3	17.9
120°	13.9	14.7	17.1	21.2	25.3	26.1	23.7	18.8	14.7	14.7	16.3
122.5°	14.7	14.7	16.3	20.4	23.7	24.5	21.2	16.3	13.9	13.9	15.5
125°	14.7	14.7	16.3	18.8	22.0	22.0	19.6	14.7	12.2	12.2	14.7
127.5°	14.7	14.7	16.3	17.9	20.4	20.4	17.9	13.9	11.4	11.4	13.9
130°	14.7	15.5	15.5	17.1	18.8	18.8	16.3	12.2	11.4	11.4	13.1
132.5°	15.5	15.5	15.5	16.3	17.9	17.1	13.9	11.4	10.6	10.6	12.2
135°	14.7	14.7	14.7	15.5	16.3	15.5	12.2	9.8	9.8	10.6	11.4
137.5°	14.7	14.7	14.7	13.9	14.7	13.9	11.4	9.0	9.0	9.8	10.6
140°	13.1	13.9	13.1	13.1	13.1	12.2	9.8	7.3	8.2	9.0	9.0
142.5°	12.2	12.2	12.2	11.4	11.4	10.6	8.2	6.5	7.3	7.3	8.2
145°	11.4	11.4	10.6	9.8	9.8	8.2	6.5	5.7	6.5	6.5	7.3
147.5°	9.8	9.8	9.8	8.2	7.3	6.5	4.1	4.1	4.9	5.7	5.7
150°	8.2	8.2	8.2	7.3	5.7	4.9	3.3	4.1	4.1	4.1	4.9
152.5°	6.5	6.5	6.5	5.7	4.9	3.3	2.4	3.3	3.3	3.3	4.1
155°	4.1	4.1	4.1	4.1	3.3	1.6	2.4	2.4	3.3	3.3	3.3
157.5°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	2.4	1.6	1.6	1.6	1.6	1.6	1.6
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: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2.5°	190.1	187.6	183.5	179.4	175.4	171.3	168.0	167.2	164.8	164.8	163.9
5°	201.5	197.4	186.8	178.6	169.7	162.3	156.6	154.2	151.7	150.1	150.1
7.5°	221.9	212.9	197.4	183.5	171.3	160.7	153.3	149.3	146.0	144.4	144.4
10°	249.6	238.2	214.5	194.1	176.2	163.1	155.0	150.1	147.6	146.0	145.2
12.5°	290.4	274.1	239.8	210.4	187.6	171.3	160.7	157.4	158.2	158.2	158.2
15°	345.8	322.2	275.7	235.7	203.1	181.9	174.6	174.6	177.0	177.8	176.2
17.5°	417.6	385.8	320.6	261.0	222.7	200.7	192.5	192.5	196.6	199.0	199.0
20°	505.7	460.0	367.9	294.5	245.5	221.9	212.1	212.9	217.8	221.0	221.0
22.5°	606.9	553.0	428.2	328.7	270.8	240.6	230.0	230.8	239.0	243.1	244.7
25°	738.2	655.0	488.6	363.8	294.5	258.6	248.0	248.8	259.4	265.1	265.1
27.5°	876.8	768.4	549.8	398.0	314.8	274.9	264.3	266.7	278.1	283.0	284.7
30°	1024.5	889.1	610.9	427.4	331.2	287.1	276.5	281.4	292.0	299.4	300.2
32.5°	1188.4	1007.4	659.9	451.1	345.0	297.7	287.1	294.5	303.4	311.6	312.4
35°	1359.7	1124.8	703.1	467.4	354.0	306.7	295.3	302.6	311.6	318.9	318.1
37.5°	1513.1	1221.1	731.7	473.9	358.9	311.6	301.0	308.3	316.5	322.2	322.2
40°	1664.0	1321.4	745.5	469.0	358.9	314.0	303.4	311.6	318.9	322.2	322.2
42.5°	1807.5	1395.6	743.1	459.2	357.3	314.8	305.1	312.4	318.9	320.6	320.6
45°	1931.5	1464.1	728.4	442.9	351.6	314.0	305.9	312.4	317.3	317.3	318.1
47.5°	2078.3	1518.0	707.2	425.8	345.0	312.4	304.2	311.6	315.7	315.7	314.8
50°	2210.5	1570.2	678.6	407.0	339.3	310.8	303.4	310.8	315.7	314.0	314.0
52.5°	2350.8	1616.7	649.3	389.9	333.6	310.0	303.4	310.8	315.7	314.8	315.7
55°	2480.4	1663.1	612.6	374.4	330.3	309.1	304.2	311.6	318.1	318.1	317.3
57.5°	2646.8	1687.6	584.0	363.8	327.1	309.1	305.1	313.2	321.4	322.2	323.0
60°	2764.3	1719.4	560.4	357.3	327.1	310.8	307.5	315.7	326.3	330.3	332.8
62.5°	2849.9	1717.8	531.8	354.0	327.9	312.4	310.0	318.1	332.0	337.7	340.9
65°	2894.8	1688.4	502.5	351.6	328.7	314.0	311.6	319.7	336.1	346.7	349.9
67.5°	2836.1	1609.3	472.3	347.5	327.9	313.2	312.4	321.4	338.5	352.4	354.0
70°	2693.3	1475.5	436.4	338.5	324.6	310.8	310.0	317.3	336.1	352.4	354.0
72.5°	2422.5	1305.9	394.8	325.5	317.3	305.1	302.6	310.0	327.9	344.2	344.2
75°	2060.4	1109.3	354.0	306.7	302.6	295.3	292.8	296.9	312.4	327.9	328.7
77.5°	1613.4	883.4	310.8	280.6	284.7	279.0	276.5	279.0	292.8	303.4	304.2
80°	1227.6	672.9	269.2	249.6	259.4	257.8	255.3	254.5	264.3	272.4	270.0
82.5°	846.7	478.8	222.7	217.0	227.6	230.0	229.2	223.5	230.8	237.4	233.3
85°	546.5	338.5	186.0	183.5	193.3	197.4	196.6	192.5	194.1	201.5	193.3
87.5°	353.2	243.1	153.3	151.7	159.9	164.8	164.8	156.6	159.9	167.2	158.2
90°	221.0	172.1	128.1	127.2	133.0	135.4	132.1	127.2	128.9	133.0	129.7
92.5°	156.6	129.7	106.9	106.9	108.5	110.1	108.5	102.8	106.0	106.0	106.0
95°	114.2	102.8	93.0	91.4	90.5	89.7	88.9	84.8	88.1	87.3	84.8
97.5°	87.3	82.4	79.1	78.3	76.7	75.9	75.0	71.8	74.2	72.6	71.0
100°	68.5	67.7	67.7	67.7	66.1	63.6	63.6	62.8	62.8	60.4	60.4
102.5°	54.6	54.6	57.9	58.7	57.1	55.5	55.5	54.6	53.8	50.6	49.8
105°	43.2	44.9	49.8	50.6	49.8	48.1	47.3	47.3	45.7	41.6	41.6
107.5°	35.1	36.7	42.4	44.0	43.2	42.4	41.6	40.8	39.2	35.1	35.1
110°	28.5	31.0	35.9	38.3	37.5	36.7	36.7	35.1	33.4	30.2	30.2



REPORT NUMBER: P415978

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	26.9	31.0	33.4	33.4	32.6	31.8	31.0	28.5	26.1	26.1
115°	21.2	23.7	27.7	29.4	29.4	28.5	27.7	26.9	24.5	22.8	23.7
117.5°	19.6	21.2	24.5	26.1	26.1	25.3	24.5	23.7	22.0	21.2	21.2
120°	17.9	19.6	22.0	23.7	23.7	22.8	22.0	21.2	19.6	19.6	19.6
122.5°	16.3	17.9	20.4	21.2	21.2	20.4	19.6	18.8	17.1	17.9	17.9
125°	15.5	16.3	17.9	19.6	19.6	18.8	17.9	16.3	15.5	16.3	16.3
127.5°	14.7	15.5	17.1	17.9	17.9	17.1	15.5	14.7	13.9	14.7	14.7
130°	13.9	14.7	15.5	16.3	16.3	14.7	13.9	13.1	13.1	13.9	13.9
132.5°	13.1	13.9	13.9	14.7	14.7	13.9	12.2	11.4	11.4	12.2	12.2
135°	12.2	12.2	13.1	13.1	13.1	12.2	10.6	9.8	10.6	11.4	11.4
137.5°	10.6	11.4	11.4	12.2	11.4	10.6	9.0	9.0	9.8	9.8	9.8
140°	9.8	9.8	10.6	10.6	9.8	9.0	8.2	7.3	8.2	9.0	9.0
142.5°	9.0	9.0	9.0	9.0	9.0	7.3	6.5	6.5	7.3	7.3	7.3
145°	7.3	7.3	8.2	7.3	7.3	5.7	4.9	5.7	6.5	6.5	6.5
147.5°	5.7	6.5	6.5	6.5	5.7	4.1	3.3	4.9	5.7	5.7	5.7
150°	4.9	4.9	4.9	4.9	4.9	3.3	2.4	4.1	4.9	4.9	4.9
152.5°	4.1	4.1	4.9	4.9	4.1	2.4	1.6	3.3	4.1	4.1	3.3
155°	3.3	3.3	4.1	4.1	3.3	1.6	1.6	2.4	3.3	3.3	2.4
157.5°	2.4	3.3	3.3	3.3	2.4	1.6	0.8	1.6	2.4	2.4	2.4
160°	2.4	2.4	2.4	3.3	2.4	1.6	0.8	1.6	2.4	1.6	1.6
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)