

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: P415996

Luminaire Tested: **LXF.LXT-PA1-60-750-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7100 lumens
Efficiency: N/A
Efficacy: 110.9 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

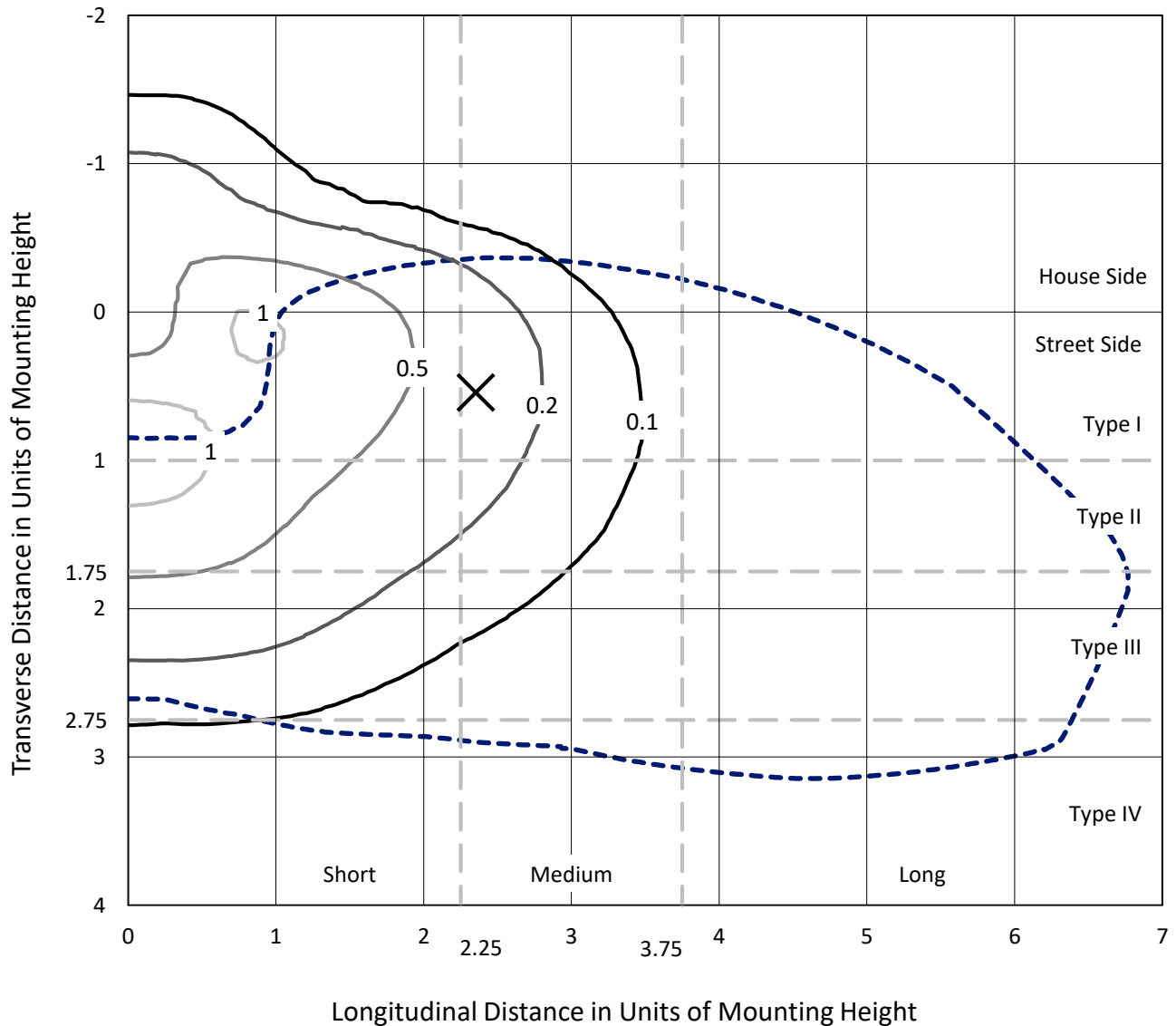
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415996
 CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

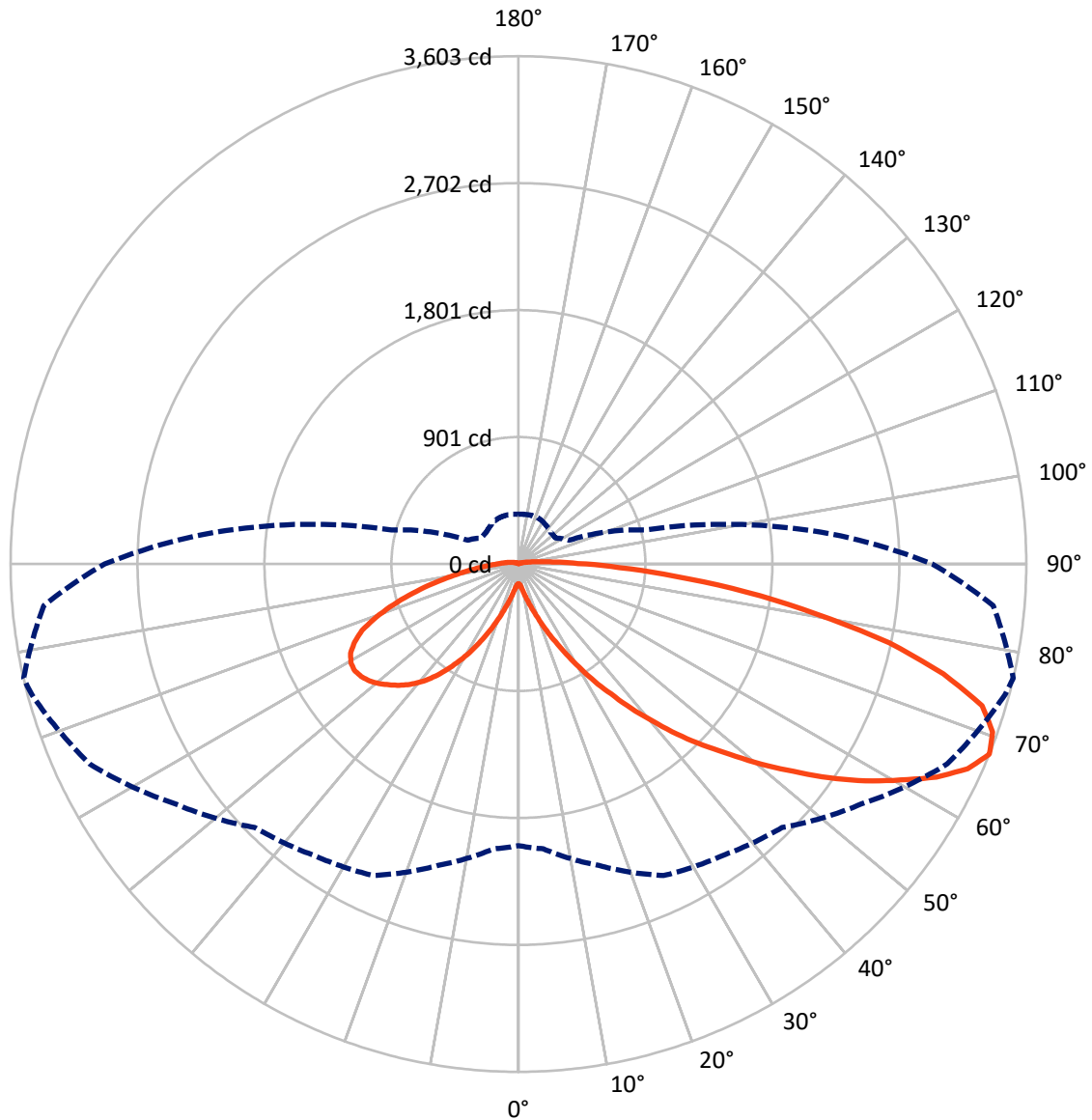
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415996
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415996

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

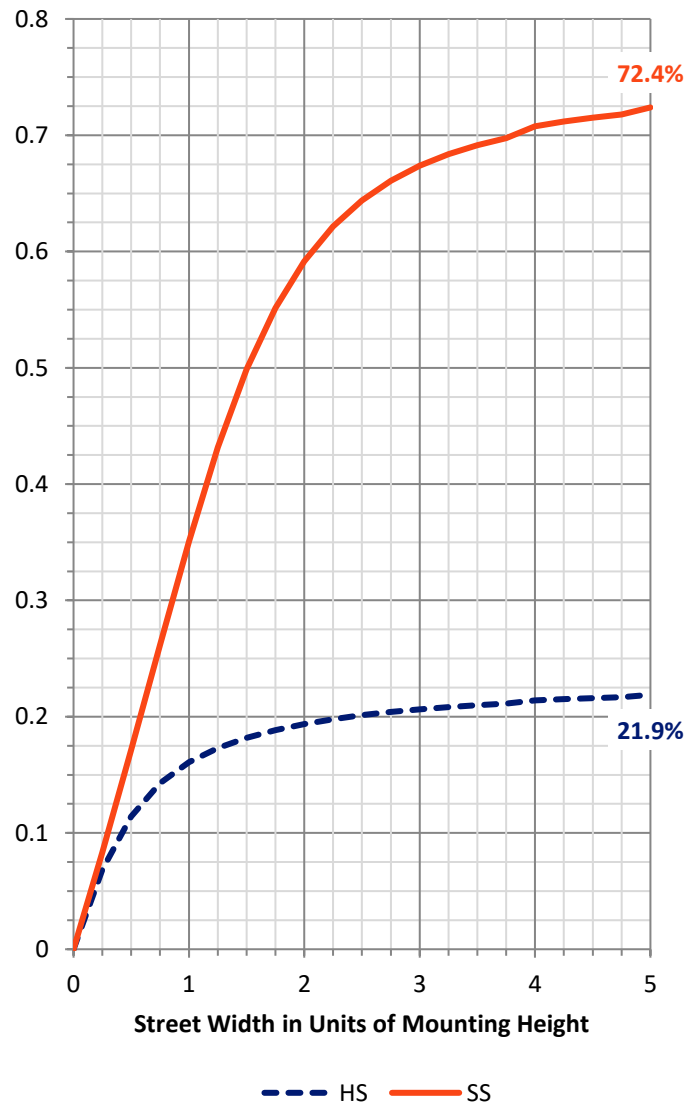
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1619.8	106.6	1726.4
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	5254.7	118.8	5373.6
	% Fixture	74.0	1.7	75.7
Total	Lumens	6874.5	225.4	7100.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.2
10°-20°	82.4	1.2
20°-30°	246.0	3.5
30°-40°	544.9	7.7
40°-50°	975.8	13.7
50°-60°	1461.5	20.6
60°-70°	1722.7	24.3
70°-80°	1315.2	18.5
80°-90°	509.9	7.2
90°-100°	129.9	1.8
100°-110°	49.2	0.7
110°-120°	23.1	0.3
120°-130°	12.3	0.2
130°-140°	6.8	0.1
140°-150°	3.1	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6874.5	96.8
0°-180°	7100.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415996

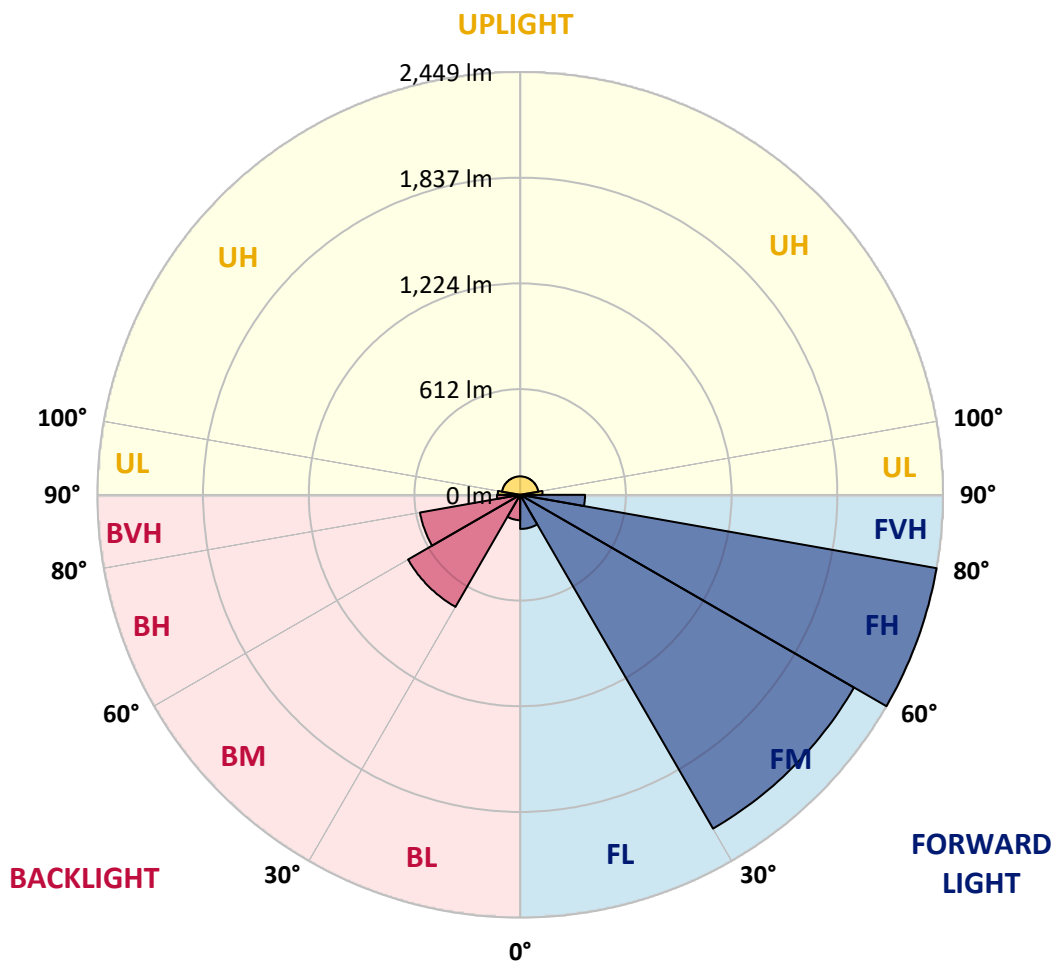
CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.9	2.8			
FM	(30°-60°)	2232.4	31.4			
FH	(60°-80°)	2448.9	34.5			G2/5000
FVH	(80°-90°)	375.5	5.3			G3/500
BL	(0°-30°)	146.7	2.1	B1/500		
BM	(30°-60°)	749.8	10.6	B1/1000		
BH	(60°-80°)	589.0	8.3	B2/1000		G2/1000
BVH	(80°-90°)	134.3	1.9			G2/225
UL	(90°-100°)	129.9	1.8		U3/500	
UH	(100°-180°)	106.6	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P415996

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5
2.5°	147.6	146.8	147.6	147.6	148.5	146.8	145.2	144.4	143.6	143.6	142.7
5°	163.1	161.5	162.3	163.1	162.3	160.7	158.2	157.4	155.8	155.8	154.2
7.5°	185.2	185.2	184.3	182.7	184.3	181.9	180.3	179.5	177.0	176.2	175.4
10°	218.6	217.0	216.2	214.5	212.9	212.1	208.8	208.8	204.7	206.4	203.9
12.5°	261.8	258.6	259.4	256.1	251.2	248.0	246.3	245.5	245.5	245.5	244.7
15°	314.0	311.6	310.8	303.4	298.5	294.5	291.2	292.0	296.1	296.9	293.6
17.5°	373.6	377.7	370.3	363.8	356.5	348.3	348.3	348.3	351.6	354.0	352.4
20°	456.8	448.6	440.5	429.9	417.6	411.1	407.8	417.6	423.3	427.4	425.8
22.5°	548.1	540.0	531.0	513.9	496.8	484.5	484.5	496.8	509.8	514.7	516.3
25°	651.7	656.6	634.6	608.5	577.5	566.9	568.5	586.5	606.1	610.1	619.9
27.5°	779.8	779.8	761.0	719.4	678.7	657.4	659.1	688.4	717.8	723.5	730.9
30°	935.6	929.9	904.6	849.1	795.3	755.3	762.7	798.6	845.1	849.9	858.9
32.5°	1109.3	1108.5	1059.6	991.1	913.6	866.3	869.5	921.7	979.6	993.5	1003.3
35°	1301.8	1306.7	1243.1	1143.6	1053.9	990.2	1000.8	1060.4	1128.1	1131.4	1143.6
37.5°	1522.1	1519.6	1443.8	1335.3	1201.5	1133.8	1125.6	1206.4	1277.4	1298.6	1292.1
40°	1766.0	1739.9	1666.5	1531.9	1367.1	1276.6	1278.2	1361.4	1457.6	1464.2	1462.5
42.5°	2006.6	1995.2	1906.3	1724.4	1548.2	1441.3	1445.4	1525.3	1624.9	1650.1	1632.2
45°	2266.0	2237.4	2141.2	1953.6	1739.0	1623.2	1612.6	1702.3	1811.6	1831.2	1814.1
47.5°	2475.6	2457.7	2372.8	2173.0	1943.8	1795.3	1779.0	1889.1	2013.9	2015.6	1990.3
50°	2649.4	2640.4	2573.5	2396.5	2142.0	1987.8	1970.7	2080.0	2210.5	2231.7	2195.0
52.5°	2799.4	2784.8	2751.3	2576.8	2322.3	2152.6	2150.2	2270.1	2433.2	2443.0	2407.9
55°	2847.6	2856.5	2851.6	2728.5	2499.3	2315.7	2336.1	2497.6	2643.6	2677.9	2611.8
57.5°	2840.2	2840.2	2886.7	2830.4	2617.5	2463.4	2507.4	2702.4	2892.4	2903.0	2823.9
60°	2729.3	2731.7	2843.5	2859.0	2702.4	2589.8	2693.4	2910.4	3105.3	3111.9	3037.6
62.5°	2569.4	2563.7	2727.7	2806.0	2713.0	2664.9	2826.4	3092.3	3306.0	3328.0	3216.3
65°	2319.8	2330.4	2507.4	2663.2	2657.5	2693.4	2930.0	3256.2	3469.1	3500.9	3339.4
67.5°	1997.6	2028.6	2214.6	2438.1	2524.6	2643.6	2968.3	3356.6	3575.2	3602.9	3381.0
70°	1655.0	1647.7	1849.2	2129.8	2298.6	2516.4	2925.9	3360.6	3577.6	3568.6	3292.1
72.5°	1255.3	1286.3	1467.4	1752.9	2003.3	2275.0	2788.0	3256.2	3440.6	3438.9	3057.2
75°	892.4	911.1	1071.0	1356.5	1655.0	1992.7	2513.1	3028.7	3164.1	3115.1	2717.1
77.5°	588.9	606.1	743.9	1004.1	1280.6	1637.9	2143.6	2631.4	2739.1	2688.5	2283.1
80°	366.2	374.4	478.8	685.2	930.7	1269.2	1735.8	2151.8	2194.2	2142.8	1757.8
82.5°	217.8	224.3	299.4	439.7	663.2	924.2	1308.4	1649.3	1663.2	1628.1	1267.6
85°	133.8	142.7	190.9	293.6	442.1	651.7	911.9	1146.0	1155.8	1115.0	837.7
87.5°	87.3	92.2	129.7	190.9	297.7	436.4	611.0	762.7	740.6	715.4	529.4
90°	59.5	62.8	88.9	131.3	201.5	288.8	386.6	477.2	442.1	422.5	321.4
92.5°	41.6	44.9	65.3	94.6	139.5	193.3	251.2	285.5	270.8	261.8	202.3
95°	32.6	34.3	49.8	73.4	103.6	137.0	166.4	177.0	168.0	161.5	136.2
97.5°	26.1	27.7	41.6	59.5	80.8	102.0	115.8	119.1	110.1	106.9	94.6
100°	22.0	23.7	35.1	49.8	66.1	80.8	86.5	85.6	78.3	76.7	68.5
102.5°	19.6	20.4	31.0	43.2	56.3	65.3	68.5	64.4	57.1	56.3	51.4
105°	17.1	18.8	26.9	37.5	48.1	55.5	55.5	50.6	42.4	41.6	39.2
107.5°	16.3	16.3	23.7	32.6	41.6	46.5	46.5	40.8	33.4	31.8	30.2
110°	14.7	15.5	21.2	28.5	35.9	40.0	39.2	32.6	25.3	24.5	23.7



REPORT NUMBER: P415996

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.9	13.9	18.8	25.3	31.0	34.3	32.6	26.9	20.4	19.6	18.8
115°	13.1	13.1	17.1	22.8	27.7	30.2	27.7	22.0	16.3	15.5	16.3
117.5°	12.2	13.1	15.5	20.4	24.5	26.1	23.7	18.8	13.9	13.1	13.9
120°	12.2	12.2	14.7	17.9	21.2	22.8	20.4	15.5	11.4	11.4	12.2
122.5°	12.2	12.2	13.9	16.3	18.8	19.6	17.1	13.1	10.6	10.6	11.4
125°	11.4	11.4	13.1	14.7	17.1	17.1	15.5	11.4	9.0	9.0	10.6
127.5°	11.4	11.4	12.2	13.9	15.5	15.5	13.1	9.8	8.2	9.0	9.8
130°	10.6	10.6	11.4	12.2	13.9	13.1	11.4	9.0	7.3	8.2	9.0
132.5°	10.6	10.6	10.6	11.4	12.2	11.4	9.8	7.3	7.3	7.3	8.2
135°	9.8	9.8	10.6	10.6	10.6	9.8	8.2	6.5	6.5	6.5	7.3
137.5°	9.8	9.8	9.8	9.8	9.8	9.0	7.3	5.7	5.7	5.7	6.5
140°	9.0	9.0	9.0	8.2	8.2	7.3	5.7	4.9	4.9	4.9	5.7
142.5°	8.2	8.2	8.2	7.3	7.3	5.7	4.9	4.1	4.1	4.9	4.9
145°	7.3	7.3	7.3	6.5	5.7	4.9	3.3	3.3	4.1	4.1	4.9
147.5°	5.7	5.7	5.7	5.7	4.1	4.1	2.4	3.3	3.3	4.1	4.1
150°	4.9	4.9	4.9	4.9	3.3	2.4	1.6	2.4	3.3	3.3	3.3
152.5°	4.1	4.1	4.1	4.1	2.4	1.6	1.6	2.4	2.4	2.4	3.3
155°	2.4	2.4	3.3	2.4	1.6	0.8	1.6	1.6	2.4	2.4	2.4
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6	2.4
160°	0.8	0.8	1.6	1.6	1.6	0.8	0.8	0.8	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: P415996

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5	139.5
2.5°	141.9	142.7	141.9	141.1	141.1	140.3	140.3	140.3	140.3	139.5	139.5
5°	155.0	154.2	153.3	151.7	150.1	148.5	148.5	147.6	146.8	146.0	146.0
7.5°	172.9	172.9	171.3	168.8	166.4	164.8	163.1	162.3	159.9	159.9	159.1
10°	200.7	200.7	195.8	193.3	189.2	185.2	183.5	181.1	179.5	178.6	177.8
12.5°	240.6	238.2	233.3	225.1	217.0	210.4	206.4	204.7	205.6	205.6	206.4
15°	292.0	287.1	279.8	264.3	249.6	239.8	237.4	237.4	238.2	238.2	239.0
17.5°	353.2	345.9	329.5	310.0	288.8	275.7	270.0	270.0	271.6	274.1	276.5
20°	427.4	420.9	395.6	361.3	329.5	312.4	302.6	301.8	305.1	312.4	310.8
22.5°	511.4	504.1	466.6	416.8	372.8	345.0	334.4	337.7	345.9	350.7	350.7
25°	612.6	600.3	544.1	471.5	415.2	376.0	362.2	367.1	379.3	385.0	387.5
27.5°	721.1	704.8	629.7	531.0	448.6	401.3	386.6	393.2	407.8	416.8	419.3
30°	849.9	821.4	719.4	586.5	478.8	419.3	403.8	416.0	432.3	442.9	445.4
32.5°	985.4	941.3	796.9	633.8	500.8	431.5	416.0	430.7	448.6	460.9	461.7
35°	1120.8	1070.2	882.6	672.1	512.3	437.2	420.9	438.0	457.6	467.4	469.8
37.5°	1267.6	1197.4	956.8	696.6	517.1	436.4	420.9	438.0	456.8	464.9	466.6
40°	1408.7	1322.2	1022.9	711.3	515.5	429.9	415.2	433.1	449.4	455.2	454.3
42.5°	1566.9	1443.0	1075.9	712.1	504.1	420.1	407.8	423.3	434.8	433.9	434.8
45°	1717.8	1571.0	1115.0	706.4	488.6	407.8	398.1	411.9	416.0	411.9	411.1
47.5°	1883.4	1698.3	1146.0	691.7	469.8	396.4	387.5	398.1	398.9	389.9	388.3
50°	2058.8	1825.5	1174.6	664.8	447.8	383.4	377.7	386.6	385.0	370.3	367.9
52.5°	2230.1	1954.4	1192.5	632.2	425.8	372.0	369.5	378.5	373.6	356.5	353.2
55°	2412.8	2073.5	1195.8	599.5	404.6	362.2	362.2	372.0	366.2	348.3	345.9
57.5°	2591.4	2198.3	1183.6	557.1	384.2	351.6	356.5	367.9	363.8	345.9	344.2
60°	2758.7	2292.1	1150.1	517.1	365.4	344.2	352.4	365.4	362.2	347.5	345.9
62.5°	2888.4	2354.1	1097.1	478.0	349.1	336.9	348.3	361.3	362.2	349.9	350.7
65°	2948.7	2354.1	1020.4	438.8	334.4	329.5	344.2	358.9	360.5	353.2	353.2
67.5°	2935.7	2293.7	934.0	398.1	320.6	320.6	338.5	354.0	357.3	354.0	354.0
70°	2797.8	2130.6	815.7	365.4	306.7	310.0	329.5	345.9	350.7	351.6	350.7
72.5°	2573.5	1885.1	693.3	331.2	292.0	299.4	318.1	334.4	341.0	342.6	341.8
75°	2226.8	1600.4	573.4	302.6	276.5	285.5	305.1	318.9	326.3	329.5	327.9
77.5°	1789.6	1270.0	469.8	274.1	258.6	268.4	287.1	298.5	307.5	311.6	308.3
80°	1363.8	945.4	373.6	245.5	236.5	247.2	263.5	275.7	283.9	285.5	283.0
82.5°	968.2	670.5	299.4	218.6	212.9	221.9	236.5	244.7	254.5	253.7	248.8
85°	634.6	455.2	234.9	190.1	187.6	193.3	204.7	209.6	219.4	219.4	213.7
87.5°	412.7	301.8	185.2	159.9	162.3	167.2	172.9	177.0	181.1	181.9	177.0
90°	263.5	206.4	147.6	136.2	138.7	142.7	142.7	141.9	148.5	150.1	146.0
92.5°	172.9	146.8	122.4	115.8	117.5	118.3	118.3	115.0	120.7	121.5	118.3
95°	121.5	110.1	101.1	99.5	99.5	99.5	97.9	93.8	98.7	98.7	97.1
97.5°	91.4	85.6	84.8	84.8	84.8	84.0	81.6	79.9	81.6	81.6	80.8
100°	68.5	67.7	70.1	71.8	72.6	71.8	70.1	67.7	67.7	64.4	65.3
102.5°	52.2	53.8	58.7	61.2	61.2	61.2	60.4	57.1	55.5	52.2	51.4
105°	40.8	42.4	48.1	51.4	52.2	53.0	51.4	48.1	44.9	41.6	40.8
107.5°	31.8	34.3	39.2	43.2	44.9	44.9	44.0	40.8	36.7	32.6	32.6
110°	26.1	27.7	32.6	36.7	38.3	38.3	37.5	33.4	29.4	26.1	26.1



REPORT NUMBER: P415996

CATALOG NUMBER: LXF.LXT-PA1-60-750-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.2	22.8	27.7	31.0	32.6	33.4	31.8	28.5	24.5	21.2	21.2
115°	17.9	19.6	23.7	26.1	27.7	27.7	26.9	23.7	20.4	17.9	17.9
117.5°	15.5	17.1	20.4	22.8	23.7	24.5	22.8	20.4	17.1	15.5	15.5
120°	13.9	14.7	17.9	19.6	20.4	20.4	19.6	17.1	14.7	13.9	13.9
122.5°	12.2	13.9	15.5	17.1	17.9	17.9	17.1	14.7	13.1	12.2	13.1
125°	11.4	12.2	13.9	15.5	15.5	15.5	14.7	13.1	11.4	11.4	11.4
127.5°	10.6	11.4	12.2	13.1	13.9	13.9	13.1	11.4	10.6	10.6	10.6
130°	9.8	10.6	11.4	11.4	12.2	12.2	11.4	9.8	9.8	9.8	9.8
132.5°	9.0	9.8	9.8	10.6	10.6	10.6	9.8	9.0	9.0	9.0	9.0
135°	8.2	8.2	9.0	9.0	9.0	9.0	8.2	8.2	8.2	8.2	8.2
137.5°	7.3	7.3	8.2	7.3	8.2	7.3	7.3	6.5	7.3	7.3	7.3
140°	6.5	6.5	6.5	6.5	6.5	6.5	5.7	5.7	6.5	6.5	6.5
142.5°	5.7	5.7	5.7	4.9	4.9	4.9	4.9	4.9	5.7	5.7	5.7
145°	4.9	4.9	4.9	4.1	4.1	3.3	4.1	4.1	4.9	4.9	4.9
147.5°	4.1	4.1	4.1	4.1	3.3	2.4	2.4	3.3	4.1	4.1	4.1
150°	3.3	4.1	4.1	3.3	2.4	1.6	1.6	2.4	3.3	3.3	3.3
152.5°	3.3	3.3	3.3	2.4	1.6	0.8	0.8	1.6	2.4	2.4	2.4
155°	2.4	2.4	2.4	2.4	1.6	0.8	0.0	1.6	1.6	1.6	1.6
157.5°	2.4	2.4	2.4	1.6	0.8	0.0	0.0	0.8	1.6	0.8	0.8
160°	1.6	1.6	1.6	1.6	0.8	0.8	0.0	0.8	0.8	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)