

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: P415859

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415859  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-60-730-U-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6336 lumens  
Efficiency: N/A  
Efficacy: 99.0 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: B1 - U3 - G3

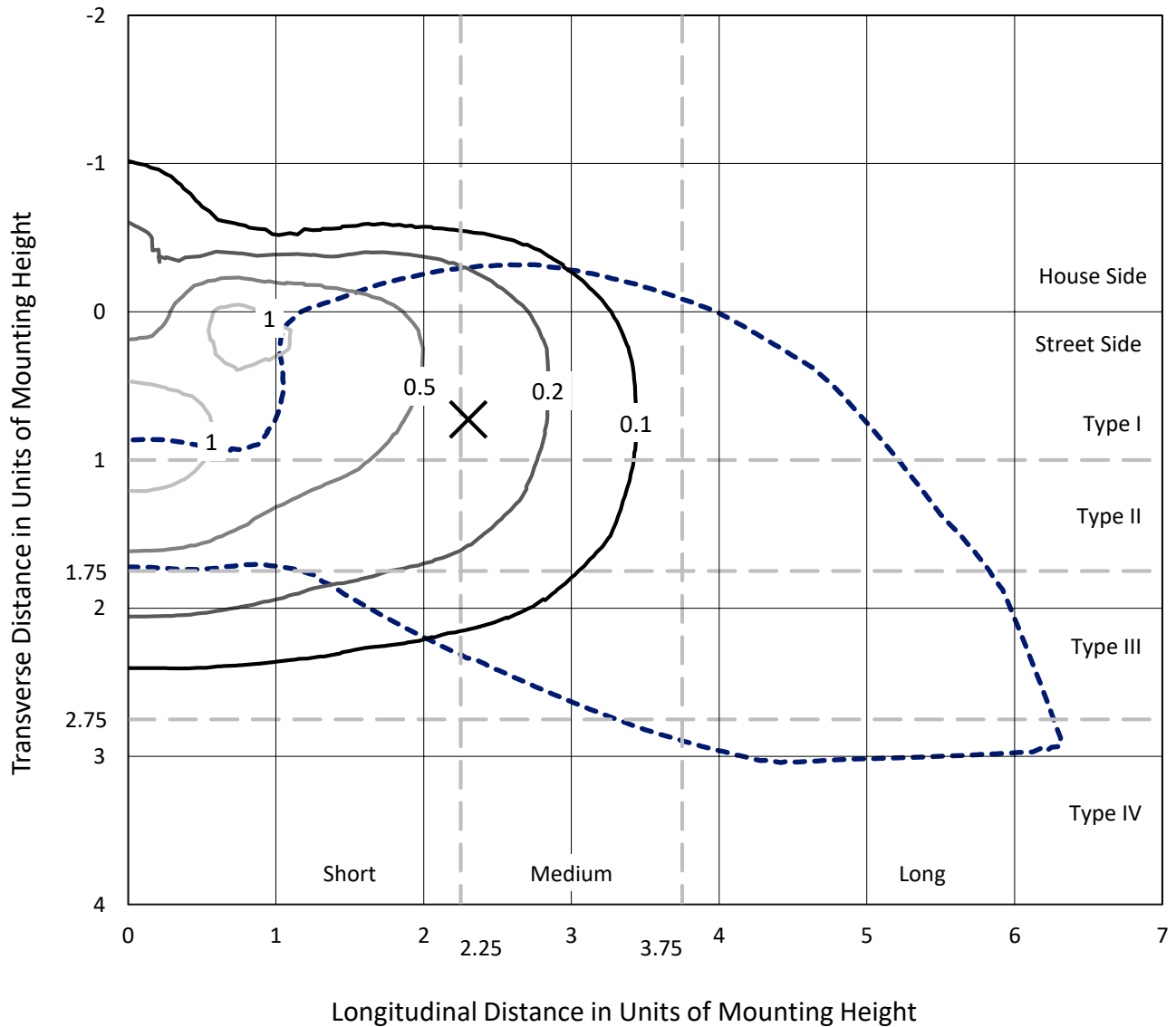
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415859  
 CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

### Iso-Footcandle Lines of Horizontal Illumination

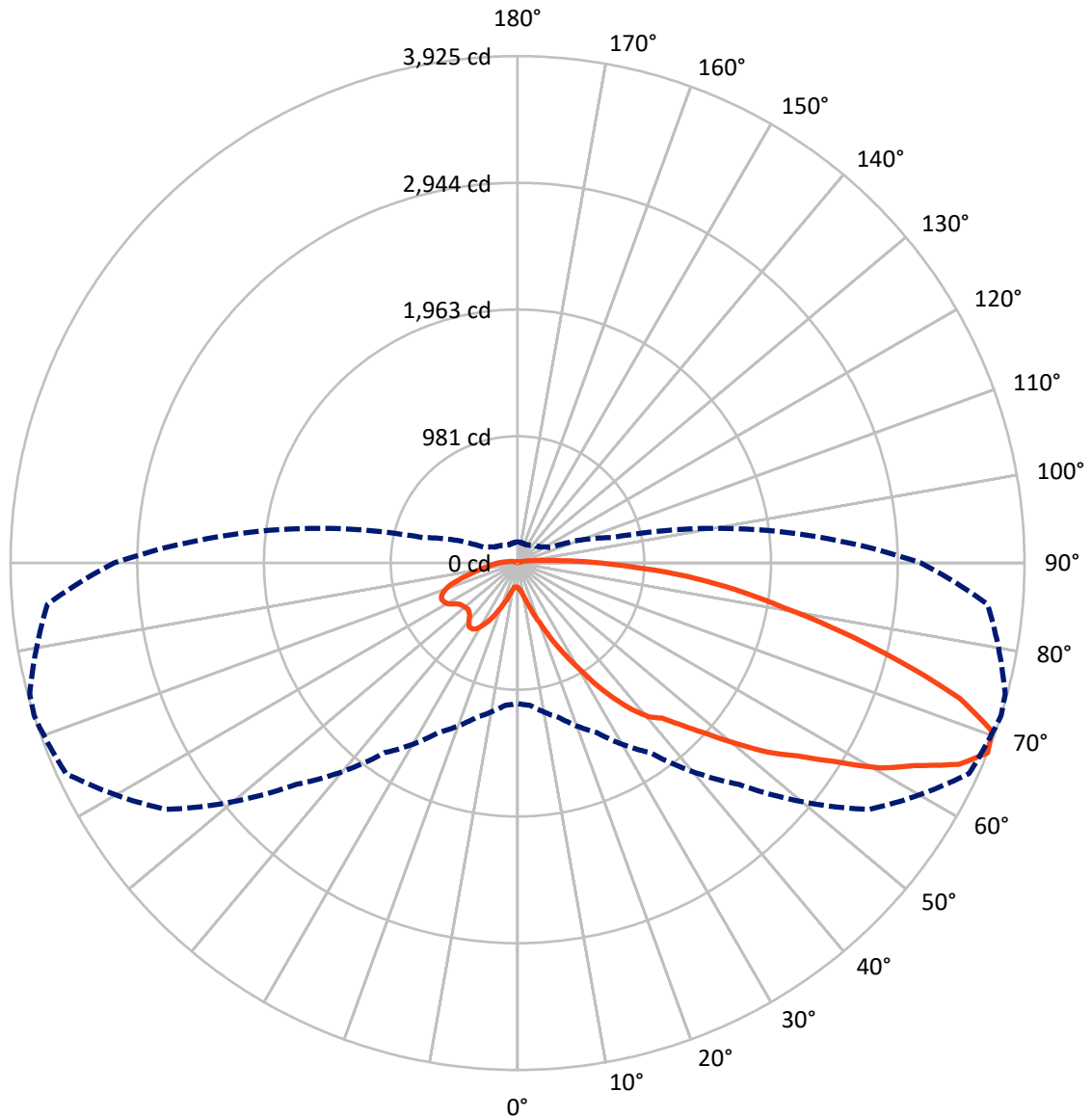
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P415859  
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P415859

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1108.6	97.4	1206.1
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	4992.1	137.8	5129.9
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	6100.8	235.2	6336.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	19.8	0.3
10°-20°	85.5	1.3
20°-30°	237.0	3.7
30°-40°	509.5	8.0
40°-50°	862.4	13.6
50°-60°	1265.3	20.0
60°-70°	1509.0	23.8
70°-80°	1126.9	17.8
80°-90°	485.3	7.7
90°-100°	140.8	2.2
100°-110°	45.8	0.7
110°-120°	21.5	0.3
120°-130°	13.1	0.2
130°-140°	8.4	0.1
140°-150°	3.7	0.1
150°-160°	1.3	0.0
160°-170°	0.5	0.0
170°-180°	0.1	0.0
0°-90°	6100.8	96.3
0°-180°	6336.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P415859

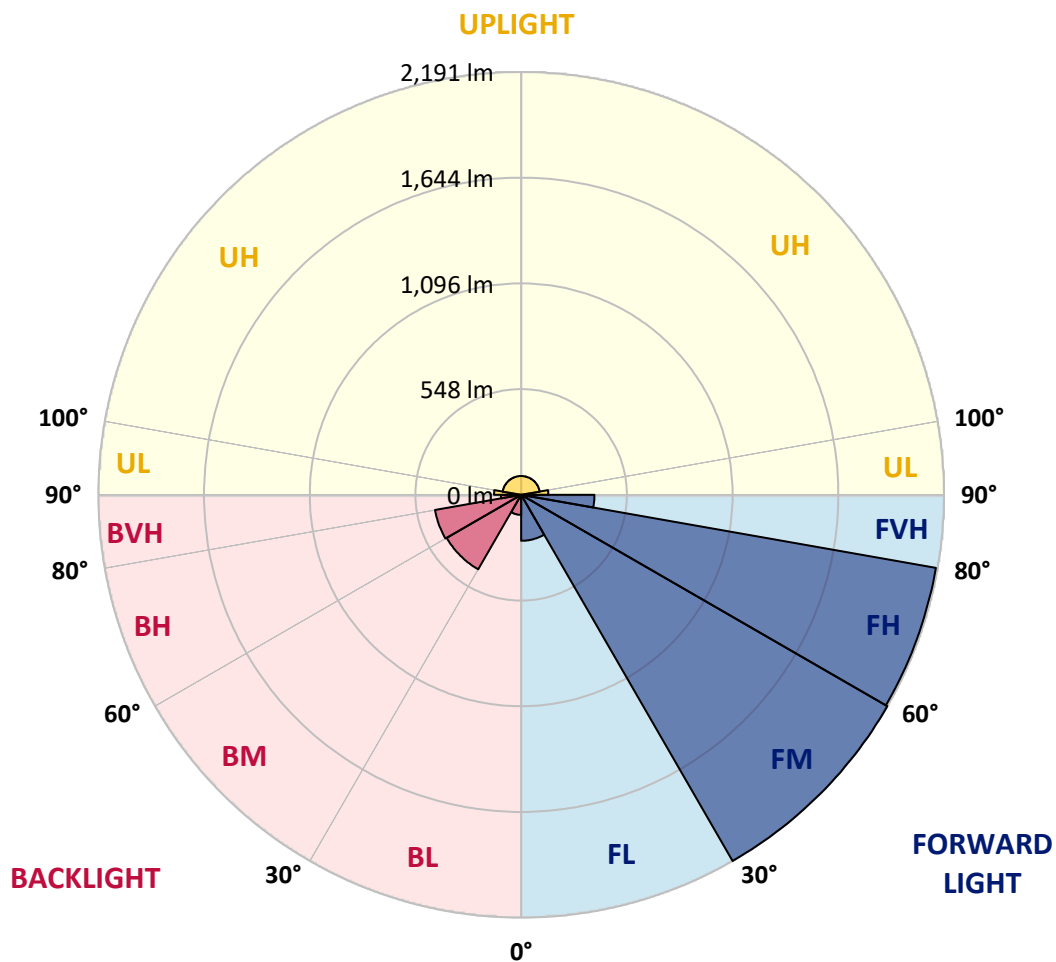
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	238.4	3.8			
FM	(30°-60°)	2191.4	34.6			
FH	(60°-80°)	2182.7	34.4			G2/5000
FVH	(80°-90°)	379.6	6.0			G3/500
BL	(0°-30°)	103.9	1.6	B0/110		
BM	(30°-60°)	445.8	7.0	B1/1000		
BH	(60°-80°)	453.3	7.2	B1/500		G1/500
BVH	(80°-90°)	105.7	1.7			G2/225
UL	(90°-100°)	140.8	2.2		U3/500	
UH	(100°-180°)	97.4	1.5		U3/500	

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

Type IV Medium





REPORT NUMBER: P415859

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2
2.5°	208.0	209.5	211.0	210.2	209.5	207.3	203.5	199.8	196.1	196.1	193.1
5°	237.7	237.0	236.2	237.0	233.3	228.1	222.1	215.4	210.2	208.7	201.3
7.5°	271.9	270.4	271.9	267.4	262.2	255.5	246.6	237.7	228.8	227.3	215.4
10°	312.7	311.3	310.5	306.8	297.1	287.5	278.6	264.5	257.8	255.5	239.9
12.5°	364.0	363.3	358.8	351.4	338.7	329.1	316.5	309.0	302.3	297.1	281.5
15°	422.7	424.2	419.0	403.4	387.8	372.9	367.0	361.0	355.8	353.6	340.2
17.5°	505.1	502.2	490.3	466.5	441.3	429.4	424.2	420.5	425.7	424.2	403.4
20°	606.9	599.5	580.9	540.1	508.9	489.5	485.1	491.8	494.7	502.2	488.1
22.5°	726.5	716.9	685.7	639.6	594.3	557.9	553.4	573.5	592.1	594.3	588.3
25°	843.1	834.2	806.7	746.6	685.7	637.4	627.0	671.5	708.7	715.4	723.5
27.5°	962.7	958.3	918.2	852.8	785.9	725.0	723.5	771.8	829.8	845.4	859.5
30°	1098.7	1109.1	1058.6	976.1	892.2	821.6	817.9	889.2	960.5	993.9	1017.7
32.5°	1290.3	1281.4	1218.3	1126.2	1001.4	918.9	924.1	1007.3	1127.7	1155.9	1187.1
35°	1510.2	1513.2	1427.0	1283.7	1136.6	1034.8	1031.1	1147.0	1286.6	1310.4	1362.4
37.5°	1690.7	1705.6	1641.7	1476.8	1288.1	1156.6	1161.8	1291.8	1438.9	1486.5	1531.8
40°	1884.6	1898.0	1823.7	1663.3	1453.0	1291.1	1298.5	1424.8	1565.2	1603.8	1615.0
42.5°	2096.3	2109.7	2019.8	1829.7	1591.9	1453.0	1424.1	1520.6	1643.2	1691.5	1701.1
45°	2294.7	2317.7	2227.1	2003.5	1747.2	1598.6	1554.8	1632.8	1793.3	1837.8	1848.2
47.5°	2355.6	2383.1	2343.7	2161.0	1895.8	1724.2	1695.2	1803.7	1976.7	2042.9	2029.5
50°	2414.3	2439.5	2415.8	2253.8	2019.1	1869.8	1876.5	2002.7	2198.9	2283.5	2273.1
52.5°	2423.2	2449.2	2424.7	2311.0	2124.6	2016.9	2091.1	2240.5	2435.1	2496.7	2481.9
55°	2438.1	2455.1	2432.9	2304.3	2201.1	2173.6	2314.0	2484.1	2638.6	2712.2	2687.7
57.5°	2231.5	2238.2	2319.2	2285.0	2217.4	2347.4	2565.1	2718.9	2900.9	3010.8	2998.2
60°	1934.4	1948.5	2048.8	2127.5	2206.3	2471.5	2811.7	3044.2	3222.5	3294.6	3226.2
62.5°	1690.0	1705.6	1811.1	1912.1	2111.9	2526.5	3069.5	3335.4	3452.8	3518.2	3437.2
65°	1361.7	1373.5	1502.1	1700.4	1958.2	2504.9	3262.6	3638.5	3756.6	3782.6	3625.9
67.5°	1088.3	1106.1	1236.9	1448.6	1793.3	2423.2	3325.8	3856.9	3925.3	3909.7	3653.4
70°	809.7	818.6	978.3	1247.3	1597.9	2244.9	3265.6	3906.0	3895.6	3875.5	3524.1
72.5°	557.9	556.4	706.5	968.7	1394.3	2041.4	2985.6	3628.9	3579.8	3527.8	3082.9
75°	360.3	380.3	473.9	704.2	1127.7	1747.2	2623.0	3151.2	3068.0	2985.6	2539.8
77.5°	242.9	257.0	332.8	504.4	861.7	1469.4	2257.5	2706.2	2567.3	2492.3	2050.3
80°	167.1	173.1	231.0	370.7	641.1	1165.5	1849.0	2239.7	2088.2	1999.0	1591.2
82.5°	117.4	121.8	161.2	273.4	482.9	870.6	1476.1	1863.1	1704.1	1639.5	1236.1
85°	84.7	87.7	115.9	203.5	367.0	653.7	1123.2	1449.3	1311.1	1261.4	883.3
87.5°	63.1	66.1	87.7	150.8	282.3	497.0	837.9	1037.8	889.2	824.6	557.9
90°	46.8	49.8	67.6	112.9	220.6	374.4	606.9	709.4	577.2	523.0	355.8
92.5°	34.9	37.1	50.5	82.5	168.6	286.7	427.9	448.7	341.7	311.3	224.3
95°	26.0	27.5	37.9	60.2	120.3	208.7	280.1	262.2	201.3	182.7	141.9
97.5°	21.5	22.3	29.7	46.1	84.7	146.3	179.8	161.2	130.0	121.1	98.1
100°	17.8	18.6	23.8	34.9	61.7	100.3	118.9	104.7	90.6	86.9	76.5
102.5°	15.6	16.3	20.1	29.0	46.1	72.1	82.5	75.0	66.9	63.9	59.4
105°	14.1	14.1	17.8	24.5	37.9	54.2	60.2	55.0	49.8	48.3	47.5
107.5°	12.6	12.6	15.6	21.5	31.2	42.3	45.3	40.9	36.4	35.7	37.9
110°	11.9	11.9	14.1	19.3	26.7	34.9	35.7	30.5	27.5	27.5	30.5



REPORT NUMBER: P415859

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	11.1	11.1	13.4	17.1	23.8	29.0	28.2	23.8	21.5	21.5	25.3
115°	11.1	11.1	12.6	16.3	20.8	24.5	23.0	19.3	17.8	17.8	21.5
117.5°	11.1	11.9	12.6	15.6	19.3	21.5	20.1	16.3	15.6	15.6	19.3
120°	11.9	11.9	12.6	15.6	17.8	18.6	17.1	14.1	13.4	14.1	17.8
122.5°	11.9	11.9	13.4	15.6	17.1	17.1	14.9	12.6	12.6	12.6	16.3
125°	12.6	12.6	13.4	15.6	16.3	15.6	13.4	11.9	11.9	12.6	14.9
127.5°	13.4	13.4	14.1	15.6	15.6	14.1	12.6	11.1	11.1	11.9	14.9
130°	14.9	14.9	14.9	15.6	14.1	12.6	11.1	10.4	11.1	11.9	14.9
132.5°	14.9	14.9	14.9	14.9	13.4	11.1	10.4	9.7	11.1	11.9	14.1
135°	13.4	13.4	13.4	13.4	11.9	9.7	8.9	8.9	10.4	11.1	13.4
137.5°	11.9	11.9	11.9	11.1	10.4	8.9	7.4	7.4	8.9	9.7	11.9
140°	10.4	10.4	9.7	9.7	8.9	7.4	6.7	6.7	7.4	8.2	9.7
142.5°	8.2	8.2	8.2	8.2	7.4	5.9	5.2	5.2	6.7	7.4	8.2
145°	6.7	6.7	6.7	6.7	5.9	5.2	4.5	4.5	5.2	5.9	6.7
147.5°	5.2	5.2	5.9	5.9	5.2	4.5	3.0	3.7	4.5	4.5	5.2
150°	4.5	4.5	4.5	5.2	3.7	3.0	2.2	3.0	3.7	3.7	4.5
152.5°	3.7	3.7	3.7	3.7	3.0	1.5	2.2	3.0	3.0	3.7	3.7
155°	2.2	2.2	3.0	3.0	2.2	1.5	2.2	2.2	3.0	3.0	3.7
157.5°	1.5	1.5	2.2	2.2	2.2	1.5	1.5	2.2	2.2	2.2	3.0
160°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
162.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
165°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
167.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
170°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
172.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
175°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
177.5°	0.0	0.7	1.5	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5





REPORT NUMBER: P415859

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2	190.2
2.5°	190.9	189.4	186.5	183.5	180.5	177.5	176.8	175.3	174.6	173.8	174.6
5°	198.3	193.9	187.2	180.5	174.6	169.4	165.7	161.9	159.0	157.5	157.5
7.5°	211.7	204.3	193.1	182.0	171.6	162.7	156.7	151.5	147.8	146.3	145.6
10°	232.5	223.6	207.3	189.4	173.8	160.5	151.5	145.6	141.9	139.7	139.7
12.5°	268.9	258.5	232.5	205.0	179.8	161.2	149.3	143.4	139.7	138.9	139.7
15°	326.1	309.8	271.9	232.5	193.9	162.7	147.8	145.6	147.1	147.8	147.8
17.5°	393.0	370.7	322.4	263.0	209.5	169.4	153.8	152.3	154.5	156.7	158.2
20°	468.0	439.0	369.2	291.9	219.9	179.0	159.7	156.7	161.9	166.4	165.7
22.5°	563.1	528.2	428.6	314.2	227.3	181.3	161.9	159.0	167.9	173.1	174.6
25°	687.9	638.1	498.5	338.0	231.8	178.3	160.5	161.2	174.6	185.0	187.2
27.5°	823.8	751.8	563.1	357.3	231.8	170.9	158.2	167.1	185.7	199.1	200.6
30°	972.4	872.1	619.5	372.2	225.1	163.4	156.0	170.1	188.7	202.8	204.3
32.5°	1130.6	996.9	678.2	377.4	215.4	157.5	153.8	167.9	183.5	196.1	199.1
35°	1271.0	1108.3	701.3	369.9	202.1	153.0	148.6	160.5	176.1	191.7	192.4
37.5°	1417.4	1214.6	711.7	349.1	188.7	148.6	144.1	155.3	173.8	192.4	194.6
40°	1479.8	1242.1	681.9	320.2	176.1	145.6	141.9	154.5	174.6	193.1	196.1
42.5°	1543.7	1268.8	645.5	278.6	167.9	144.9	144.1	154.5	170.9	185.7	187.9
45°	1652.9	1328.2	629.2	250.3	163.4	147.1	146.3	152.3	164.2	177.5	182.0
47.5°	1808.9	1418.1	621.0	232.5	163.4	150.8	148.6	150.1	157.5	169.4	173.1
50°	2008.7	1542.9	631.4	222.9	167.1	156.0	151.5	149.3	152.3	164.9	169.4
52.5°	2176.6	1662.5	644.1	221.4	173.1	162.7	156.0	149.3	151.5	166.4	171.6
55°	2352.6	1776.2	658.2	225.1	180.5	167.9	159.0	150.8	152.3	166.4	172.3
57.5°	2608.2	1969.3	694.6	233.3	187.9	173.8	162.7	153.0	151.5	162.7	167.1
60°	2841.4	2153.5	748.8	248.9	196.9	179.8	166.4	154.5	150.8	158.2	161.2
62.5°	2982.6	2253.1	769.6	263.7	205.8	185.0	167.9	154.5	153.0	159.7	161.9
65°	3128.2	2348.2	777.8	275.6	211.0	187.9	167.9	156.0	156.0	160.5	161.2
67.5°	3123.0	2327.4	758.5	281.5	215.4	189.4	167.9	156.0	157.5	161.9	162.7
70°	2986.3	2207.8	710.2	280.8	214.7	187.2	164.9	155.3	161.2	166.4	167.1
72.5°	2585.1	1898.0	632.2	271.9	208.0	181.3	160.5	153.8	162.7	170.1	170.1
75°	2120.9	1545.9	522.2	254.8	199.8	173.8	153.8	148.6	159.7	170.1	170.1
77.5°	1670.7	1210.1	423.4	232.5	187.9	164.9	145.6	139.7	152.3	161.9	161.2
80°	1297.8	917.4	340.2	210.2	174.6	155.3	135.9	129.3	140.4	147.1	145.6
82.5°	995.4	706.5	280.8	189.4	161.2	144.1	126.3	120.3	130.7	135.2	133.7
85°	679.7	505.9	230.3	166.4	144.1	130.7	116.6	112.2	124.1	129.3	127.8
87.5°	448.7	347.7	192.4	146.3	127.0	117.4	105.5	104.0	117.4	122.6	121.8
90°	296.4	242.9	163.4	127.0	110.7	102.5	95.1	95.1	107.0	111.4	108.5
92.5°	195.4	172.3	129.3	107.7	94.3	89.1	84.7	83.9	94.3	95.8	93.6
95°	133.0	121.1	101.0	89.1	79.5	76.5	72.8	74.3	81.0	79.5	77.3
97.5°	95.1	92.1	81.7	72.8	66.1	65.4	63.9	64.6	68.3	65.4	63.9
100°	75.8	73.5	67.6	60.9	56.5	55.7	55.0	55.7	57.9	55.0	53.5
102.5°	60.9	60.9	56.5	51.3	47.5	48.3	48.3	48.3	49.0	44.6	44.6
105°	49.0	49.0	47.5	43.1	40.9	40.9	41.6	41.6	41.6	38.6	38.6
107.5°	39.4	40.9	40.1	36.4	34.9	35.7	35.7	34.9	34.9	33.4	33.4
110°	31.9	33.4	33.4	31.2	30.5	31.2	30.5	29.7	29.0	29.0	29.0



REPORT NUMBER: P415859

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	26.7	28.2	29.0	27.5	26.7	26.7	26.0	25.3	25.3	26.0	26.0
115°	23.0	24.5	25.3	23.8	23.8	23.8	22.3	21.5	21.5	23.0	23.0
117.5°	20.8	21.5	22.3	21.5	20.8	20.8	20.1	18.6	18.6	20.1	20.8
120°	18.6	19.3	20.1	19.3	18.6	17.8	17.1	16.3	16.3	18.6	18.6
122.5°	17.1	17.8	17.8	17.1	16.3	16.3	15.6	14.9	14.9	16.3	17.1
125°	16.3	16.3	16.3	15.6	14.9	14.1	13.4	13.4	13.4	14.9	14.9
127.5°	15.6	15.6	14.9	14.1	13.4	12.6	12.6	11.9	11.9	13.4	14.1
130°	15.6	15.6	14.1	13.4	12.6	11.1	11.1	10.4	11.1	12.6	12.6
132.5°	14.9	14.9	13.4	12.6	11.1	10.4	9.7	9.7	9.7	11.1	11.9
135°	14.1	13.4	11.9	11.1	9.7	8.9	8.9	8.9	8.9	10.4	10.4
137.5°	12.6	11.9	10.4	9.7	8.9	8.2	7.4	7.4	8.2	8.9	9.7
140°	10.4	10.4	8.9	8.2	7.4	6.7	6.7	6.7	7.4	8.2	8.2
142.5°	8.9	8.9	7.4	6.7	5.9	5.2	5.9	5.9	6.7	7.4	7.4
145°	7.4	6.7	6.7	5.2	5.2	4.5	4.5	5.2	5.9	6.7	6.7
147.5°	5.9	5.9	5.2	4.5	3.7	3.7	3.7	4.5	5.2	5.2	5.9
150°	5.2	5.2	4.5	4.5	3.0	2.2	3.0	4.5	4.5	4.5	4.5
152.5°	4.5	4.5	4.5	3.7	3.0	1.5	2.2	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	3.0	2.2	0.7	2.2	3.0	3.0	3.0	3.0
157.5°	3.0	3.0	3.0	3.0	1.5	0.7	1.5	2.2	2.2	2.2	3.0
160°	2.2	2.2	2.2	2.2	1.5	0.7	1.5	2.2	2.2	2.2	2.2
162.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	2.2	1.5	1.5	1.5
165°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	1.5
167.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
170°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
172.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
175°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
177.5°	2.2	2.2	2.2	2.2	1.5	0.7	0.7	1.5	1.5	0.7	0.7
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)