

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: P415868

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415868  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
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-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6276 lumens  
Efficiency: N/A  
Efficacy: 98.1 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

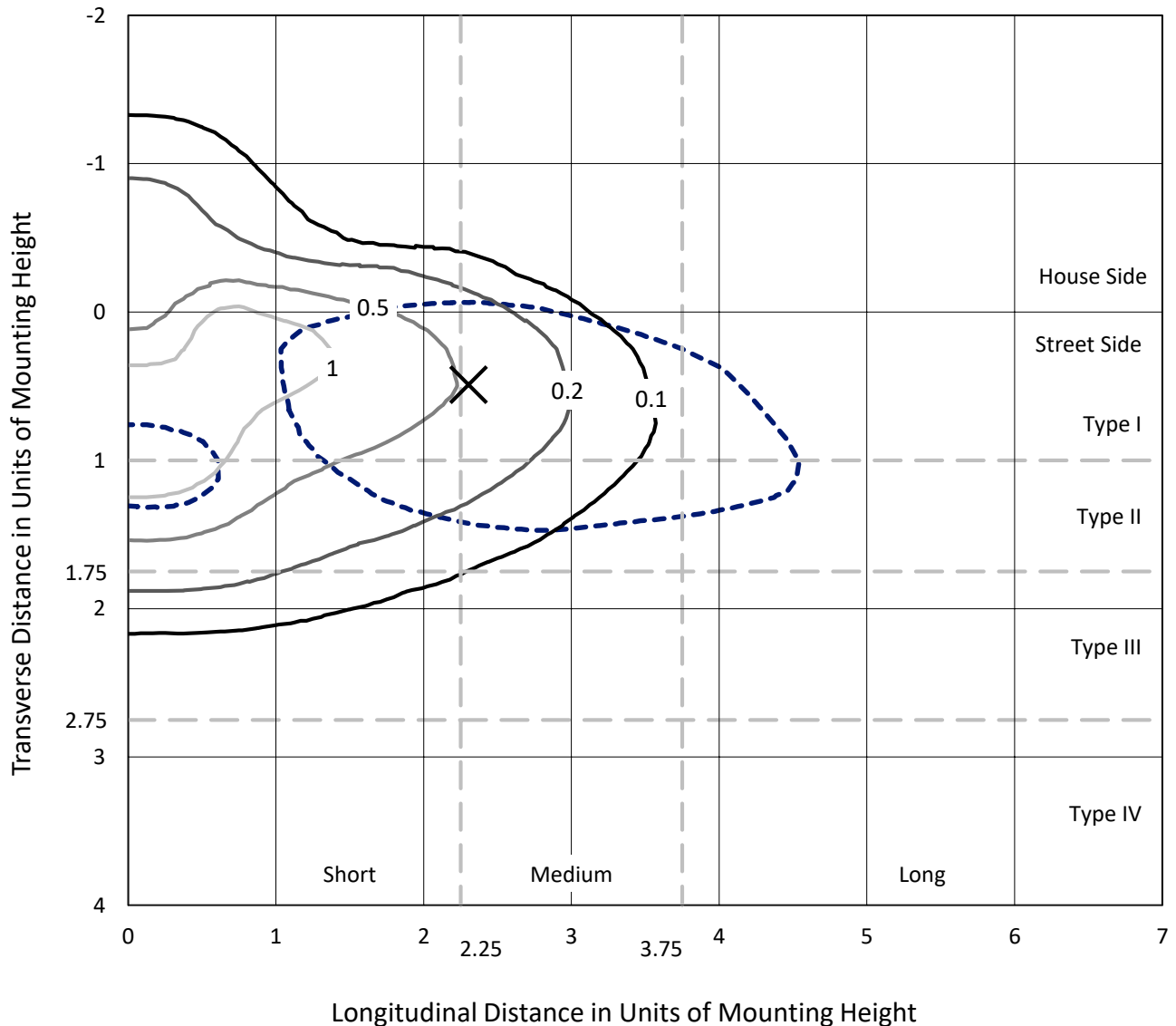
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

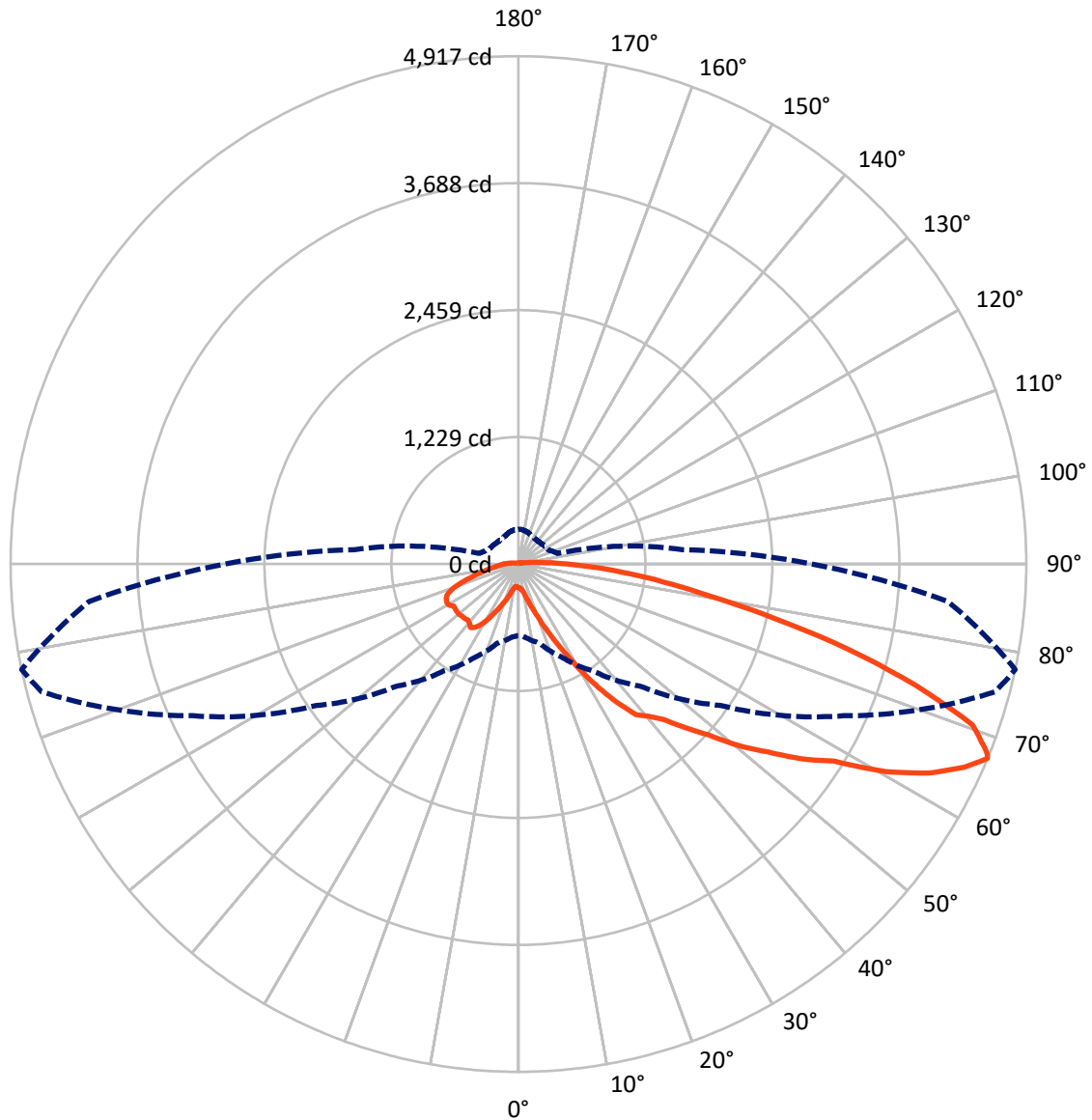
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical



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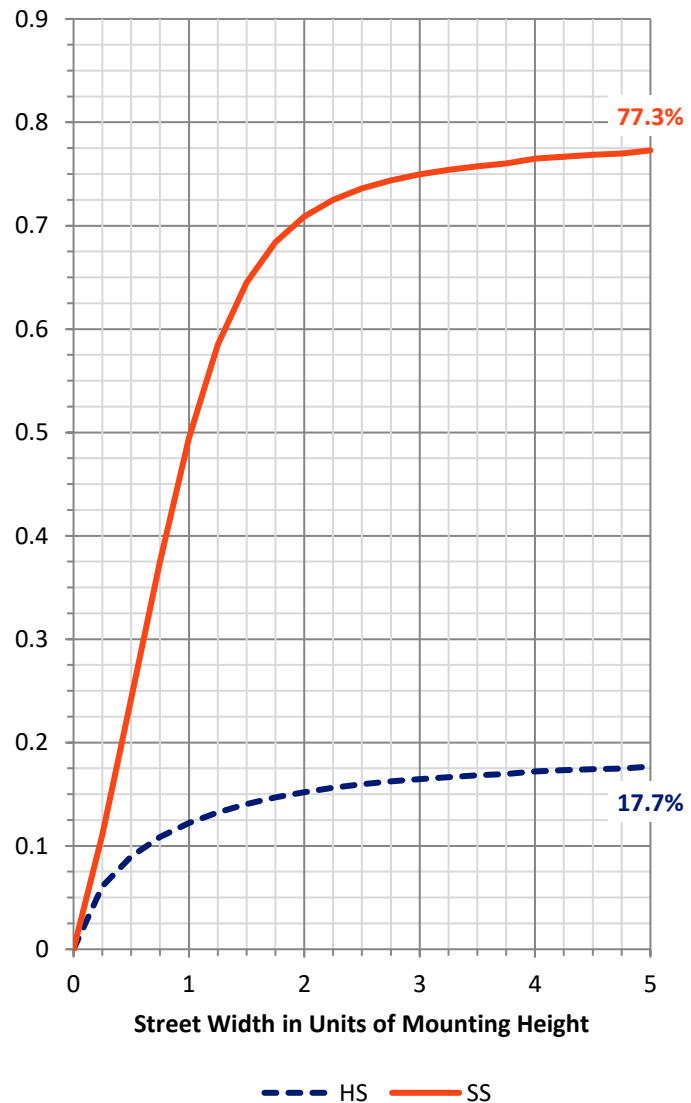
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.1	95.0	1256.0
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	4918.8	101.2	5020.0
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	6079.9	196.1	6276.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.0	0.4
10°-20°	97.6	1.6
20°-30°	292.8	4.7
30°-40°	670.3	10.7
40°-50°	1070.6	17.1
50°-60°	1319.5	21.0
60°-70°	1375.2	21.9
70°-80°	891.7	14.2
80°-90°	339.0	5.4
90°-100°	104.7	1.7
100°-110°	40.2	0.6
110°-120°	21.7	0.3
120°-130°	14.4	0.2
130°-140°	9.5	0.2
140°-150°	4.2	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6079.9	96.9
0°-180°	6276.0	100.0



REPORT NUMBER: P415868

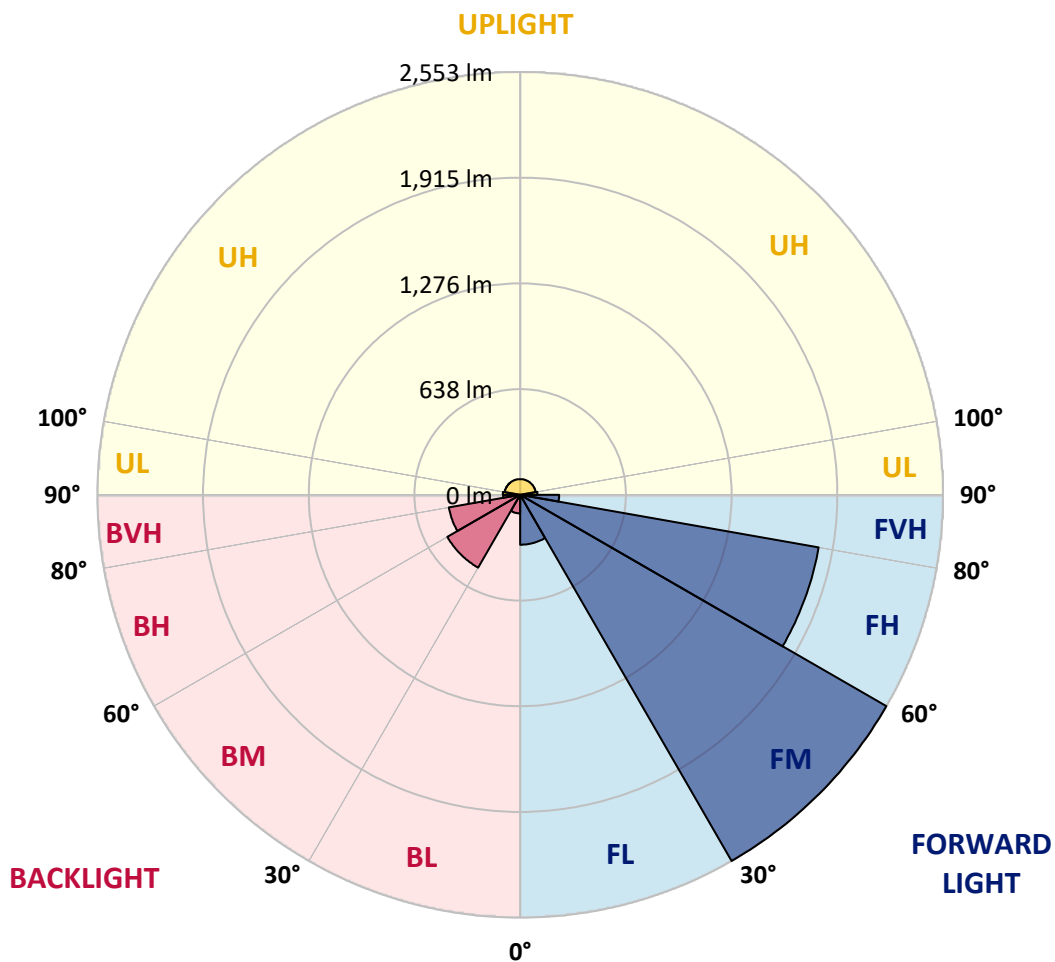
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.3	4.8			
FM	(30°-60°)	2552.8	40.7			
FH	(60°-80°)	1829.5	29.2			G2/5000
FVH	(80°-90°)	235.2	3.7			G3/500
BL	(0°-30°)	112.2	1.8	B1/500		
BM	(30°-60°)	507.6	8.1	B1/1000		
BH	(60°-80°)	437.4	7.0	B1/500		G1/500
BVH	(80°-90°)	103.8	1.7			G2/225
UL	(90°-100°)	104.7	1.7		U3/500	
UH	(100°-180°)	95.0	1.5		U3/500	

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

Type II Medium





REPORT NUMBER: P415868

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8
2.5°	258.5	257.8	257.0	255.5	252.6	249.6	245.1	239.2	234.7	234.0	229.5
5°	291.2	289.0	289.0	285.3	279.3	273.4	264.5	254.1	245.9	241.4	234.7
7.5°	331.3	326.9	328.3	322.4	314.2	303.8	289.7	275.6	260.0	255.5	245.9
10°	379.6	376.6	373.7	366.2	356.6	340.2	326.9	306.1	285.3	279.3	264.5
12.5°	438.3	439.0	430.1	421.9	405.6	389.3	372.9	352.9	329.8	323.1	303.8
15°	520.7	520.0	510.3	491.8	471.7	453.9	440.5	419.0	396.7	389.3	360.3
17.5°	617.3	615.1	607.7	575.0	554.9	540.8	521.5	508.1	476.2	468.0	432.3
20°	758.5	745.1	728.0	684.2	654.5	636.6	621.0	603.9	569.8	555.7	513.3
22.5°	915.2	921.9	890.7	823.1	773.3	740.6	724.3	715.4	689.4	679.7	615.8
25°	1109.8	1109.8	1060.8	986.5	921.9	861.0	857.3	867.7	832.7	826.1	758.5
27.5°	1314.9	1323.0	1258.4	1178.9	1080.9	1009.5	1005.8	1014.7	1011.8	992.5	895.9
30°	1548.9	1541.4	1468.6	1372.1	1242.1	1158.1	1147.7	1212.3	1217.5	1204.2	1098.7
32.5°	1821.5	1815.5	1724.2	1574.9	1414.4	1317.8	1324.5	1415.9	1451.5	1428.5	1305.2
35°	2152.8	2160.2	2016.9	1806.6	1594.9	1483.5	1490.9	1605.3	1672.2	1643.9	1505.0
37.5°	2493.0	2495.3	2363.8	2079.3	1788.8	1630.6	1648.4	1788.1	1874.2	1851.2	1660.3
40°	2708.5	2730.7	2604.5	2334.1	1993.1	1777.7	1792.5	1930.7	1981.2	1938.1	1713.8
42.5°	2897.1	2914.2	2785.7	2495.3	2148.3	1909.1	1903.9	2008.7	2081.5	2054.7	1823.7
45°	2990.0	3023.4	2907.5	2607.4	2257.5	2011.7	1971.5	2128.3	2290.2	2256.8	2002.0
47.5°	2922.4	2963.3	2914.2	2666.1	2306.6	2076.3	2085.2	2300.6	2510.1	2473.0	2196.6
50°	2701.8	2750.8	2767.1	2622.3	2319.2	2108.2	2203.3	2493.0	2773.8	2766.4	2435.8
52.5°	2435.8	2461.8	2533.1	2490.1	2272.4	2145.4	2331.1	2679.5	3045.7	3022.7	2634.2
55°	2189.9	2224.1	2282.8	2257.5	2156.5	2149.8	2432.1	2887.5	3334.7	3331.7	2883.8
57.5°	1851.2	1898.7	2022.1	2036.2	2006.5	2122.3	2505.7	3050.9	3590.2	3600.6	3134.1
60°	1421.1	1461.2	1648.4	1797.7	1823.7	2057.7	2542.8	3230.7	4027.0	4081.3	3571.7
62.5°	1152.2	1159.6	1301.5	1487.9	1664.7	1939.6	2548.7	3458.0	4408.9	4457.9	3833.9
65°	862.5	861.0	991.7	1204.2	1450.1	1801.4	2530.2	3529.3	4616.1	4741.7	4084.2
67°	693.1	709.4	793.4	995.4	1264.3	1672.2	2386.1	3476.6	4778.8	4917.0	4175.6
67.5°	666.3	674.5	751.0	941.9	1222.0	1633.5	2343.7	3463.2	4778.1	4895.4	4148.1
70°	531.9	543.0	598.7	725.0	977.6	1380.2	2045.8	3152.7	4495.0	4665.9	3896.3
72.5°	410.8	419.7	459.1	554.9	744.3	1111.3	1692.2	2712.9	3892.6	4027.8	3303.5
75°	312.7	315.7	352.9	418.2	568.3	847.6	1306.7	2136.5	3201.0	3303.5	2684.7
77.5°	242.2	248.9	277.1	320.9	421.9	638.1	983.5	1664.0	2546.5	2530.9	2041.4
80°	188.7	194.6	215.4	245.9	316.5	468.7	719.8	1230.2	1860.1	1878.7	1494.6
82.5°	151.5	156.0	170.1	192.4	243.7	356.6	525.9	919.7	1414.4	1407.7	1095.7
85°	121.1	124.1	134.5	153.8	187.9	270.4	388.5	683.4	998.4	1006.6	748.1
87.5°	94.3	98.1	109.9	121.8	148.6	205.8	286.7	473.9	664.1	670.8	514.1
90°	73.5	75.8	86.2	98.8	120.3	156.0	207.3	324.6	427.9	419.7	330.6
92.5°	54.2	56.5	66.1	78.0	93.6	120.3	149.3	208.0	250.3	255.5	206.5
95°	38.6	40.9	49.0	57.9	71.3	91.4	106.2	132.2	153.8	149.3	132.2
97.5°	29.7	30.5	36.4	43.1	54.2	70.6	78.7	91.4	101.0	98.8	92.1
100°	23.8	24.5	29.0	32.7	42.3	55.7	63.1	69.8	75.8	73.5	70.6
102.5°	20.1	20.8	23.8	26.7	34.9	46.8	51.3	55.7	57.9	57.9	56.5
105°	17.1	17.8	20.1	23.0	29.7	38.6	41.6	43.8	46.1	45.3	45.3
107.5°	15.6	15.6	17.8	20.1	26.0	32.7	34.2	34.9	35.7	35.7	37.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	14.1	14.9	16.3	17.8	23.0	29.0	29.0	28.2	28.2	28.2	30.5
112.5°	13.4	14.1	14.9	17.1	21.5	25.3	24.5	23.0	23.0	23.8	26.0
115°	13.4	13.4	14.1	16.3	20.1	23.0	21.5	19.3	19.3	20.1	22.3
117.5°	13.4	13.4	14.9	16.3	19.3	20.8	19.3	17.1	16.3	17.1	19.3
120°	14.1	14.1	14.9	16.3	17.8	19.3	17.8	15.6	14.9	15.6	17.8
122.5°	14.9	14.9	14.9	16.3	17.1	17.8	16.3	14.1	13.4	14.1	16.3
125°	15.6	15.6	15.6	16.3	17.1	16.3	14.9	13.4	13.4	13.4	15.6
127.5°	17.1	17.1	17.1	17.1	16.3	15.6	14.1	12.6	13.4	13.4	14.9
130°	18.6	18.6	17.8	17.1	16.3	14.9	13.4	11.9	12.6	13.4	14.9
132.5°	19.3	18.6	17.8	16.3	15.6	13.4	11.9	11.1	11.9	12.6	14.1
135°	17.8	17.8	16.3	14.9	14.1	11.9	10.4	10.4	11.1	11.9	12.6
137.5°	15.6	15.6	14.9	13.4	12.6	11.1	9.7	8.9	10.4	11.1	11.9
140°	13.4	13.4	12.6	11.1	10.4	9.7	8.2	7.4	8.9	9.7	10.4
142.5°	11.1	11.1	10.4	8.9	8.9	8.2	6.7	6.7	8.2	8.2	8.9
145°	8.9	8.9	8.9	7.4	7.4	6.7	5.2	5.9	6.7	7.4	7.4
147.5°	7.4	7.4	7.4	5.9	5.9	5.2	3.7	4.5	5.2	5.9	5.9
150°	5.9	5.9	5.9	5.2	4.5	3.7	3.0	3.7	3.7	4.5	4.5
152.5°	4.5	4.5	4.5	3.7	3.7	2.2	2.2	3.0	3.0	3.7	3.7
155°	3.0	3.0	3.7	3.0	2.2	1.5	2.2	2.2	3.0	3.0	3.0
157.5°	2.2	2.2	2.2	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
160°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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





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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8	228.8
2.5°	227.3	225.8	222.1	218.4	214.7	211.7	208.0	207.3	207.3	205.8	205.8
5°	230.3	225.8	216.9	209.5	201.3	194.6	189.4	187.2	185.0	183.5	182.0
7.5°	237.0	229.5	214.7	202.8	190.9	180.5	173.1	169.4	167.1	164.9	165.7
10°	252.6	241.4	219.9	200.6	182.7	168.6	159.7	155.3	153.8	151.5	151.5
12.5°	286.0	271.1	239.9	207.3	179.8	160.5	150.1	148.6	150.1	152.3	152.3
15°	338.7	316.5	271.1	225.8	186.5	159.0	153.0	157.5	162.7	165.7	165.7
17.5°	403.4	372.9	308.3	247.4	196.1	172.3	164.9	170.9	177.5	182.0	182.0
20°	474.7	433.8	346.2	265.9	210.2	190.9	182.7	187.9	196.9	203.5	202.8
22.5°	567.5	508.1	390.0	282.3	227.3	208.0	202.8	209.5	222.9	231.8	232.5
25°	682.7	601.0	441.3	303.8	242.9	222.9	224.3	236.2	254.1	263.7	263.7
27.5°	805.3	702.0	485.1	325.4	259.3	238.5	245.9	262.2	281.5	292.7	294.2
30°	967.2	832.0	540.1	346.9	273.4	254.1	263.0	282.3	296.4	303.1	303.8
32.5°	1132.1	955.3	583.9	369.2	286.7	265.2	273.4	291.9	304.6	312.0	311.3
35°	1281.4	1054.9	609.9	379.6	298.6	273.4	277.1	297.1	304.6	309.0	308.3
37.5°	1395.8	1126.2	619.5	381.8	303.1	277.1	278.6	295.7	306.1	314.2	312.7
40°	1415.1	1116.5	583.1	368.5	302.3	277.1	280.1	299.4	310.5	314.2	313.5
42.5°	1486.5	1143.3	551.9	344.7	293.4	276.3	283.0	300.9	306.1	303.8	301.6
45°	1610.5	1199.7	543.0	332.8	282.3	274.1	284.5	297.1	296.4	291.9	290.5
47.5°	1733.1	1253.9	523.7	327.6	279.3	273.4	283.8	292.7	294.9	290.5	289.0
50°	1889.1	1326.0	508.1	320.2	280.1	273.4	282.3	292.7	294.2	286.7	286.0
52.5°	2028.7	1375.8	485.1	313.5	280.8	275.6	282.3	292.7	293.4	286.0	284.5
55°	2174.3	1428.5	461.3	306.8	283.0	277.8	284.5	293.4	294.2	289.0	287.5
57.5°	2319.9	1474.6	434.6	301.6	285.3	282.3	286.0	294.2	300.1	298.6	298.6
60°	2617.1	1606.8	430.1	302.3	287.5	286.0	287.5	297.9	309.0	305.3	306.1
62.5°	2734.5	1635.0	421.9	312.0	294.2	289.0	289.7	300.9	312.7	317.9	317.2
65°	2841.4	1637.3	405.6	318.7	302.3	291.2	291.2	301.6	321.7	333.5	333.5
67°	2835.5	1592.7	393.7	319.4	306.1	293.4	290.5	301.6	322.4	335.8	336.5
67.5°	2801.3	1563.7	389.3	319.4	306.8	293.4	289.7	300.9	322.4	336.5	336.5
70°	2595.5	1411.4	360.3	311.3	304.6	289.7	285.3	293.4	317.9	337.3	337.3
72.5°	2149.8	1161.8	319.4	291.2	290.5	280.1	273.4	282.3	306.1	326.1	325.4
75°	1737.5	928.6	278.6	261.5	268.9	261.5	256.3	263.0	286.0	306.1	304.6
77.5°	1298.5	697.5	240.7	233.3	243.7	238.5	234.0	240.7	263.0	282.3	279.3
80°	959.8	537.8	209.5	206.5	213.9	212.5	211.0	213.9	233.3	245.9	243.7
82.5°	706.5	409.3	180.5	178.3	187.2	187.2	187.2	189.4	203.5	208.0	205.8
85°	502.2	308.3	159.0	153.0	160.5	164.2	166.4	167.1	174.6	175.3	170.1
87.5°	353.6	242.9	142.6	130.0	133.7	141.9	145.6	144.9	147.8	145.6	140.4
90°	246.6	190.9	129.3	110.7	110.7	118.9	124.8	124.1	124.8	118.9	113.7
92.5°	173.8	144.1	109.2	91.4	89.9	98.1	103.3	102.5	102.5	96.6	91.4
95°	116.6	106.2	86.9	73.5	71.3	78.0	83.2	81.7	81.7	75.8	73.5
97.5°	86.2	81.0	71.3	62.4	57.9	61.7	65.4	65.4	66.1	62.4	60.2
100°	67.6	65.4	60.9	53.5	49.0	49.8	52.0	52.0	55.0	52.0	50.5
102.5°	56.5	55.0	51.3	46.1	42.3	41.6	43.1	43.8	47.5	45.3	44.6
105°	46.8	46.1	43.8	39.4	36.4	36.4	36.4	37.1	40.9	39.4	39.4
107.5°	37.9	37.9	37.9	34.2	31.9	31.9	31.2	31.9	34.9	34.9	34.9



REPORT NUMBER: P415868

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	31.9	31.9	32.7	29.7	28.2	28.2	27.5	28.2	31.2	31.9	31.9
112.5°	27.5	27.5	28.2	26.7	25.3	25.3	24.5	24.5	27.5	29.7	29.7
115°	23.8	24.5	24.5	23.8	23.0	22.3	21.5	22.3	25.3	27.5	27.5
117.5°	20.8	21.5	22.3	21.5	20.8	20.1	19.3	20.1	23.0	26.0	26.0
120°	18.6	19.3	20.1	20.1	19.3	18.6	17.1	18.6	20.8	23.8	24.5
122.5°	17.1	17.8	17.8	17.8	17.8	16.3	15.6	16.3	18.6	21.5	22.3
125°	16.3	16.3	17.1	17.1	16.3	14.9	14.1	14.9	16.3	18.6	19.3
127.5°	15.6	15.6	16.3	16.3	14.9	13.4	12.6	13.4	14.9	16.3	16.3
130°	15.6	15.6	15.6	14.9	14.1	12.6	11.1	11.9	13.4	14.9	14.9
132.5°	14.9	14.1	14.1	14.1	12.6	11.1	10.4	10.4	11.9	13.4	13.4
135°	13.4	13.4	12.6	12.6	11.9	9.7	8.9	8.9	10.4	11.9	11.9
137.5°	11.9	11.9	11.1	11.1	10.4	8.9	7.4	8.2	9.7	9.7	10.4
140°	10.4	10.4	9.7	9.7	8.9	7.4	5.9	6.7	8.2	8.2	8.9
142.5°	8.9	8.9	8.9	8.2	7.4	5.9	5.2	5.9	7.4	7.4	7.4
145°	7.4	7.4	7.4	6.7	5.9	4.5	3.7	5.2	6.7	5.9	5.9
147.5°	5.9	5.9	5.9	5.9	4.5	3.7	3.0	4.5	5.2	5.2	5.2
150°	4.5	4.5	4.5	4.5	3.7	2.2	2.2	3.7	4.5	4.5	4.5
152.5°	3.7	3.7	3.7	4.5	3.7	1.5	1.5	3.0	3.7	3.7	3.7
155°	3.0	3.0	3.7	3.7	3.0	1.5	0.7	2.2	3.0	3.0	3.0
157.5°	2.2	2.2	3.0	3.0	2.2	1.5	0.7	1.5	3.0	2.2	2.2
160°	1.5	2.2	2.2	2.2	2.2	1.5	0.0	1.5	2.2	1.5	1.5
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)