

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: P415886

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6463 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

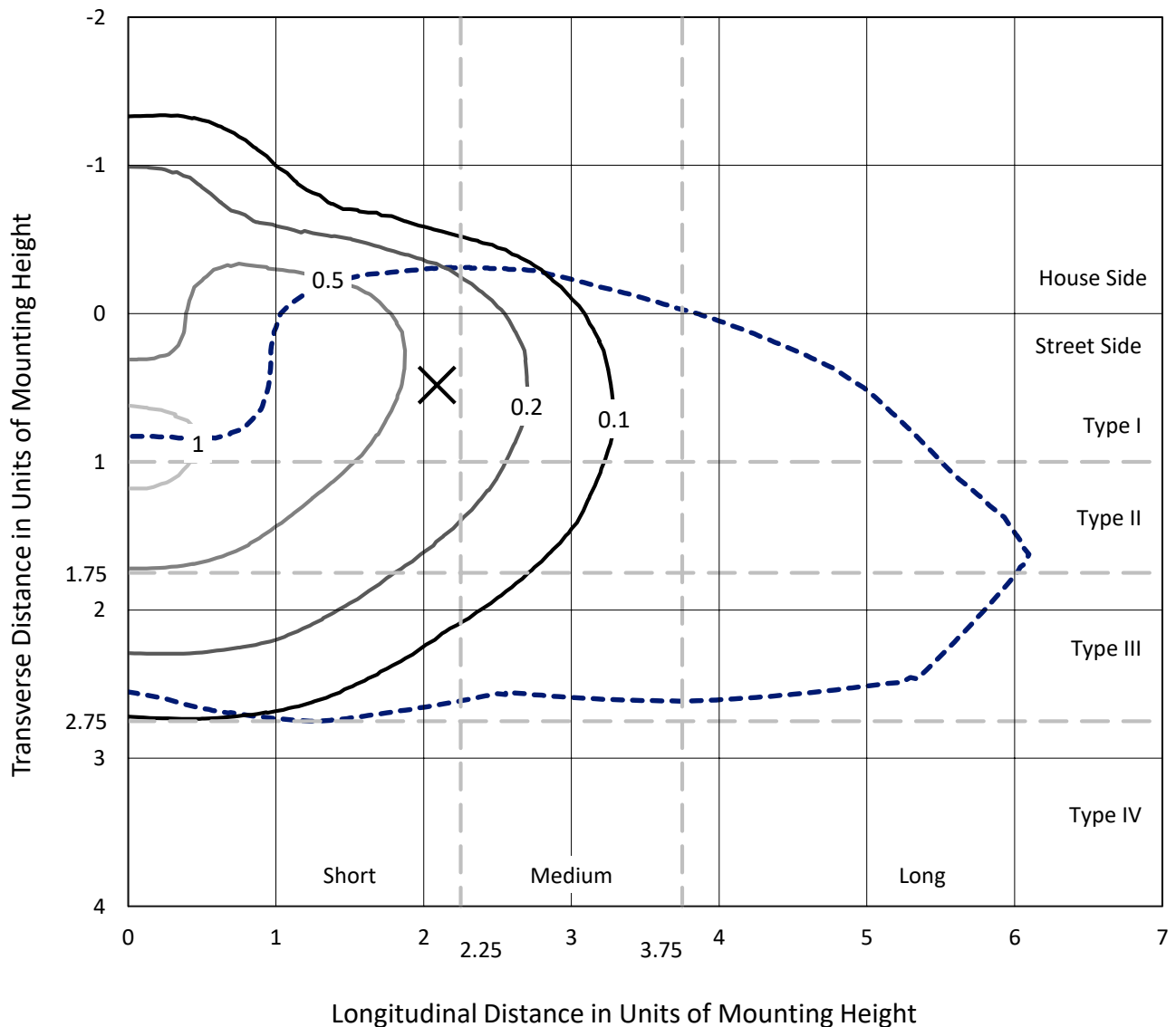
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

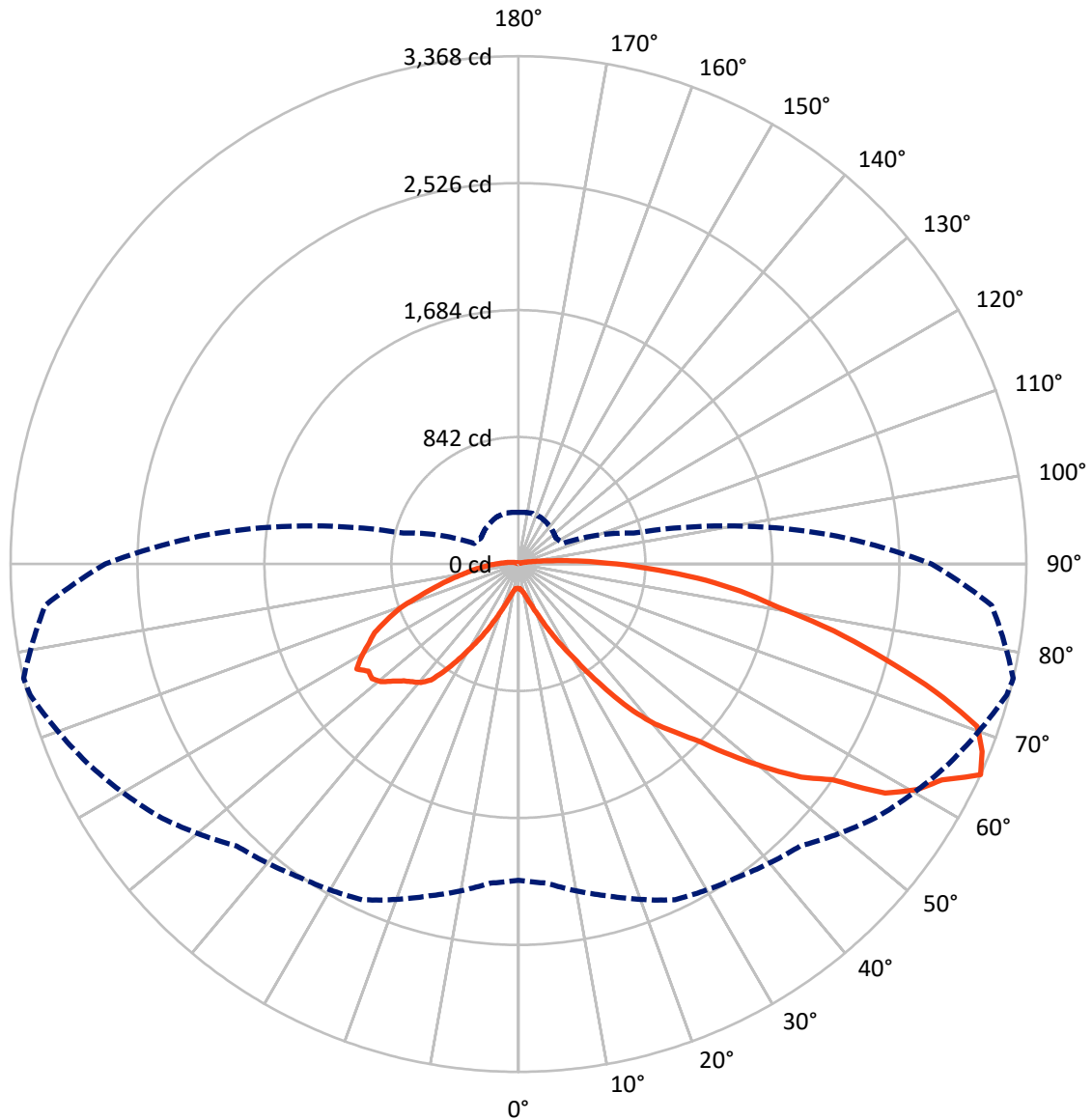
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1424.2	101.3	1525.4
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4811.0	126.6	4937.6
	% Fixture	74.4	2.0	76.4
Total	Lumens	6235.1	227.9	6463.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.7	0.3
10°-20°	70.8	1.1
20°-30°	207.4	3.2
30°-40°	496.6	7.7
40°-50°	894.2	13.8
50°-60°	1360.1	21.0
60°-70°	1604.4	24.8
70°-80°	1105.6	17.1
80°-90°	479.4	7.4
90°-100°	139.9	2.2
100°-110°	43.8	0.7
110°-120°	20.5	0.3
120°-130°	12.0	0.2
130°-140°	7.4	0.1
140°-150°	3.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6235.1	96.5
0°-180°	6463.0	100.0



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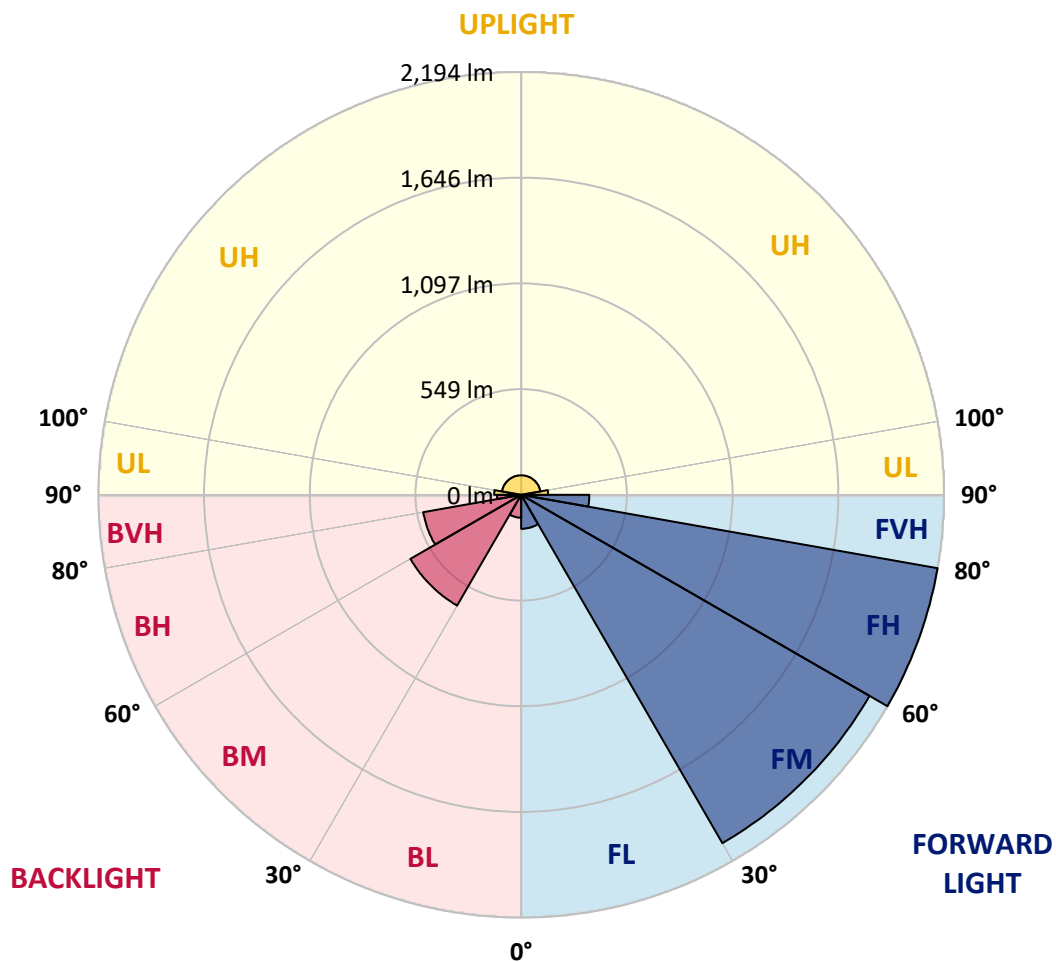
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.1	2.7			
FM	(30°-60°)	2087.1	32.3			
FH	(60°-80°)	2194.1	33.9			G2/5000
FVH	(80°-90°)	353.7	5.5			G3/500
BL	(0°-30°)	118.7	1.8	B1/500		
BM	(30°-60°)	663.8	10.3	B1/1000		
BH	(60°-80°)	516.0	8.0	B2/1000		G2/1000
BVH	(80°-90°)	125.7	1.9			G2/225
UL	(90°-100°)	139.9	2.2		U3/500	
UH	(100°-180°)	101.3	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
2.5°	174.6	173.8	173.8	174.6	173.1	171.6	169.4	167.2	164.9	164.9	163.4
5°	188.7	188.0	188.0	188.0	185.0	182.8	177.6	174.6	171.6	170.1	167.9
7.5°	207.3	205.0	205.8	205.0	200.6	196.1	190.9	185.0	181.3	180.5	176.1
10°	231.8	230.3	228.8	225.8	221.4	214.0	206.5	201.3	196.1	195.4	190.2
12.5°	266.7	265.2	262.2	255.6	245.9	237.0	229.6	223.6	220.6	219.2	214.0
15°	309.0	304.6	303.1	292.7	279.3	268.9	260.8	257.0	254.1	254.1	247.4
17.5°	358.8	358.8	351.4	337.3	320.2	307.6	299.4	292.7	294.9	294.2	290.5
20°	420.5	419.0	407.9	389.3	368.5	356.6	346.2	342.5	345.4	348.4	348.4
22.5°	509.6	505.9	488.8	460.6	430.1	410.8	403.4	402.7	414.5	418.3	422.7
25°	609.9	604.7	583.2	549.0	511.1	481.4	471.0	479.2	500.7	508.9	517.8
27.5°	731.0	728.0	695.4	648.6	603.2	564.6	552.7	578.0	607.0	609.9	627.8
30°	887.0	888.5	843.9	776.3	699.1	659.0	645.6	676.0	719.1	722.1	757.8
32.5°	1067.5	1067.5	1000.7	919.0	819.4	763.0	750.3	799.4	867.0	877.4	911.5
35°	1297.8	1284.5	1199.0	1081.7	956.9	872.9	871.4	947.9	1040.8	1051.2	1088.4
37.5°	1504.4	1512.5	1425.6	1272.6	1104.0	1007.4	1020.0	1117.3	1234.7	1237.7	1277.8
40°	1728.0	1736.9	1634.4	1474.7	1267.4	1158.9	1184.2	1274.8	1391.5	1393.7	1407.8
42.5°	1903.3	1926.3	1830.5	1664.1	1454.6	1331.3	1337.2	1421.9	1511.8	1522.9	1532.6
45°	2008.1	2025.2	1972.4	1839.4	1619.5	1503.6	1489.5	1558.6	1676.0	1673.0	1687.1
47.5°	2173.0	2193.0	2112.1	1991.0	1805.3	1661.9	1644.0	1733.9	1878.1	1892.9	1879.5
50°	2343.9	2370.6	2311.9	2170.8	1979.1	1839.4	1841.7	1944.2	2112.1	2117.3	2125.4
52.5°	2463.5	2482.8	2459.7	2361.7	2158.1	2031.1	2051.2	2173.7	2338.7	2348.3	2315.6
55°	2482.0	2511.8	2530.3	2508.0	2354.3	2228.7	2280.0	2402.5	2514.0	2522.2	2496.9
57.5°	2476.1	2500.6	2540.0	2557.1	2479.8	2432.3	2498.4	2623.9	2838.6	2866.1	2853.5
60°	2469.4	2487.2	2569.0	2594.2	2550.4	2588.3	2693.8	2917.4	3035.5	3037.7	2922.6
62.5°	2283.7	2313.4	2467.2	2594.2	2582.3	2654.4	2885.4	3040.7	3134.3	3151.4	3041.4
65°	2097.2	2123.2	2277.7	2456.0	2534.8	2643.2	2915.1	3144.0	3352.0	3367.6	3149.9
67.5°	1827.5	1868.4	2037.0	2251.7	2348.3	2521.4	2837.1	3180.4	3309.6	3316.3	3067.4
70°	1488.8	1544.5	1734.7	1961.3	2077.2	2252.5	2662.6	3050.4	3230.9	3227.2	2930.7
72.5°	1072.8	1122.5	1296.4	1565.3	1746.6	1938.2	2343.1	2791.8	2894.3	2890.6	2493.2
75°	728.8	755.5	886.3	1132.2	1392.9	1618.0	2018.5	2421.9	2508.8	2502.1	2135.8
77.5°	477.7	508.1	592.8	803.1	1046.0	1305.3	1694.6	2027.4	2164.1	2139.6	1810.5
80°	292.7	309.8	379.6	542.3	792.7	1053.4	1401.1	1715.4	1785.9	1750.3	1478.4
82.5°	182.8	196.1	245.9	358.1	569.1	813.5	1149.3	1444.2	1522.9	1482.8	1216.1
85°	112.2	118.9	153.0	235.5	386.3	598.0	924.2	1171.6	1219.8	1190.9	916.7
87.5°	81.7	83.2	104.7	159.0	260.8	427.9	680.5	882.6	917.5	864.0	642.6
90°	60.2	63.1	77.3	112.2	181.3	290.5	468.8	621.1	630.0	597.3	429.4
92.5°	45.3	46.8	57.9	79.5	124.8	198.4	312.8	416.0	407.9	384.8	266.7
95°	32.7	33.4	41.6	56.5	87.7	133.0	199.1	260.8	234.8	225.1	162.0
97.5°	26.7	27.5	33.4	43.8	64.6	93.6	128.5	155.3	138.2	132.2	104.0
100°	23.0	23.0	28.2	36.4	50.5	69.8	85.4	97.3	89.1	86.2	73.5
102.5°	20.8	20.8	24.5	30.5	41.6	55.0	63.1	66.9	62.4	60.2	54.2
105°	18.6	18.6	21.5	26.0	34.9	44.6	48.3	49.0	44.6	43.8	41.6
107.5°	17.1	17.1	19.3	23.0	29.7	37.1	38.6	36.4	34.2	32.7	32.7
110°	14.9	15.6	17.1	20.1	26.0	31.2	31.2	28.2	25.3	25.3	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.1	14.1	15.6	18.6	23.0	26.7	25.3	22.3	20.1	20.1	21.5
115°	12.6	12.6	14.1	17.1	20.8	23.0	21.5	18.6	16.3	17.1	18.6
117.5°	11.9	11.9	13.4	15.6	18.6	20.1	18.6	15.6	14.1	14.9	17.1
120°	11.9	11.9	13.4	14.9	17.1	17.8	16.3	13.4	12.6	12.6	14.9
122.5°	11.9	11.9	12.6	14.9	16.3	16.3	14.1	11.9	11.1	11.1	13.4
125°	11.9	11.9	13.4	14.9	14.9	14.9	12.6	10.4	9.7	10.4	11.9
127.5°	12.6	12.6	13.4	14.1	14.1	13.4	11.1	9.7	8.9	9.7	11.1
130°	12.6	12.6	13.4	14.1	13.4	11.9	10.4	8.9	8.9	8.9	11.1
132.5°	12.6	12.6	13.4	13.4	12.6	10.4	8.9	7.4	8.2	8.9	10.4
135°	11.9	11.9	11.9	11.9	11.1	9.7	7.4	6.7	7.4	8.2	9.7
137.5°	11.1	11.1	11.1	11.1	9.7	8.2	5.9	5.2	6.7	6.7	8.2
140°	9.7	9.7	10.4	9.7	8.9	6.7	5.2	3.7	5.2	5.2	6.7
142.5°	8.9	8.9	8.9	8.9	7.4	5.9	3.7	3.7	4.5	4.5	5.2
145°	7.4	7.4	8.2	7.4	5.9	4.5	3.0	3.0	3.7	3.7	4.5
147.5°	5.9	6.7	6.7	5.9	5.2	3.7	2.2	2.2	3.0	3.0	3.7
150°	5.2	5.2	5.2	5.2	3.7	2.2	1.5	2.2	3.0	3.0	3.0
152.5°	3.7	3.7	4.5	4.5	3.0	1.5	1.5	2.2	2.2	2.2	3.0
155°	3.0	3.0	3.7	3.0	2.2	0.7	1.5	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	2.2	2.2	1.5	0.7	0.7	1.5	1.5	1.5	2.2
160°	0.7	0.7	2.2	2.2	1.5	0.7	0.7	0.7	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7	162.7
2.5°	162.7	161.2	160.5	159.0	157.5	156.0	156.0	156.0	155.3	154.5	155.3
5°	165.7	164.9	161.2	158.2	155.3	153.8	152.3	151.6	151.6	150.1	150.1
7.5°	173.8	170.9	165.7	160.5	157.5	154.5	152.3	151.6	150.8	149.3	149.3
10°	186.5	182.8	176.8	168.6	163.4	158.2	156.0	156.0	155.3	154.5	154.5
12.5°	210.2	205.8	195.4	184.2	173.8	166.4	164.9	167.2	171.6	172.4	172.4
15°	245.2	240.0	226.6	208.8	192.4	182.0	183.5	189.4	195.4	197.6	197.6
17.5°	288.2	282.3	263.0	237.0	215.4	205.8	205.0	213.2	221.4	225.8	225.8
20°	346.2	336.5	311.3	274.1	244.4	233.3	228.8	236.2	248.9	254.1	252.6
22.5°	418.3	407.1	371.5	315.0	277.8	257.8	251.8	260.0	275.6	282.3	281.6
25°	513.3	502.2	444.3	366.3	310.5	279.3	275.6	287.5	310.5	323.9	322.4
27.5°	624.0	605.5	528.2	423.5	342.5	297.2	297.9	318.0	341.7	356.6	355.1
30°	742.2	718.4	612.9	478.4	372.2	317.2	315.7	339.5	364.0	379.6	379.6
32.5°	898.2	863.3	711.0	531.2	395.2	332.8	327.6	354.4	379.6	396.0	395.2
35°	1065.3	1018.5	813.5	586.9	414.5	341.0	335.0	362.5	388.5	407.9	407.9
37.5°	1257.0	1177.5	909.3	625.5	427.9	345.4	337.3	368.5	400.4	420.5	419.0
40°	1358.0	1268.9	955.4	642.6	430.1	346.2	341.0	373.7	400.4	407.9	404.1
42.5°	1470.9	1355.8	974.7	621.8	422.0	344.7	343.2	368.5	380.4	378.1	375.9
45°	1613.6	1458.3	993.3	595.8	402.7	342.5	339.5	354.4	355.1	346.2	343.2
47.5°	1795.6	1599.5	1023.7	564.6	383.3	337.3	333.6	340.2	327.6	311.3	306.1
50°	1991.0	1762.9	1061.6	537.9	365.5	330.6	326.9	324.6	312.0	295.7	292.7
52.5°	2161.1	1873.6	1072.0	509.6	353.6	326.1	321.7	319.4	307.6	289.0	285.3
55°	2313.4	1967.9	1035.6	467.3	344.0	323.2	321.7	321.7	309.0	289.7	286.0
57.5°	2614.3	2193.8	1049.0	424.2	331.3	322.4	324.6	325.4	313.5	294.9	291.2
60°	2623.2	2150.7	971.0	393.7	320.2	322.4	327.6	329.1	320.9	308.3	306.1
62.5°	2708.6	2152.2	866.2	354.4	312.8	320.9	329.8	335.0	335.8	328.4	326.9
65°	2739.8	2121.0	790.4	323.2	302.4	317.2	330.6	343.2	347.7	344.0	342.5
67.5°	2620.2	1977.6	687.2	302.4	292.0	311.3	329.8	345.4	355.1	357.3	357.3
70°	2462.7	1816.4	595.1	282.3	280.8	303.1	324.6	345.4	358.8	364.8	364.8
72.5°	2063.0	1491.7	491.1	261.5	266.0	290.5	313.5	338.8	353.6	358.8	356.6
75°	1725.8	1228.0	404.1	243.7	251.1	274.9	297.9	322.4	332.8	335.8	333.6
77.5°	1459.8	1021.5	332.1	227.3	233.3	254.8	275.6	292.7	299.4	297.9	294.2
80°	1176.8	797.1	272.6	207.3	213.2	230.3	245.2	258.5	265.2	261.5	259.3
82.5°	936.8	633.7	232.5	189.4	191.7	205.8	216.2	226.6	237.7	234.8	228.8
85°	693.1	466.5	197.6	170.1	170.1	180.5	185.7	195.4	211.0	210.2	208.0
87.5°	474.0	332.1	167.9	150.8	150.1	156.0	159.0	169.4	189.4	190.2	188.0
90°	312.0	227.3	140.4	130.8	129.3	133.7	136.0	144.9	161.2	162.7	159.7
92.5°	202.8	157.5	115.1	110.7	109.9	113.7	112.9	118.9	130.0	129.3	127.0
95°	130.0	109.9	93.6	91.4	89.1	93.6	92.1	93.6	99.5	98.1	98.1
97.5°	89.9	83.9	77.3	73.5	72.1	76.5	75.0	75.0	78.0	75.0	73.5
100°	69.1	66.9	63.9	60.9	57.9	61.7	61.7	61.7	63.9	59.4	57.9
102.5°	53.5	52.7	52.7	50.5	48.3	51.3	52.0	52.7	52.0	47.5	46.8
105°	42.3	42.3	43.8	41.6	40.9	43.1	43.8	43.1	43.1	39.4	39.4
107.5°	33.4	34.9	36.4	34.9	34.9	36.4	36.4	36.4	34.9	32.7	33.4
110°	27.5	29.0	31.2	29.7	29.7	31.2	30.5	29.7	29.0	28.2	28.2



REPORT NUMBER: P415886

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T3-A

CANDELA DISTRIBUTION (continued):

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