

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: P415826

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6160 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

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

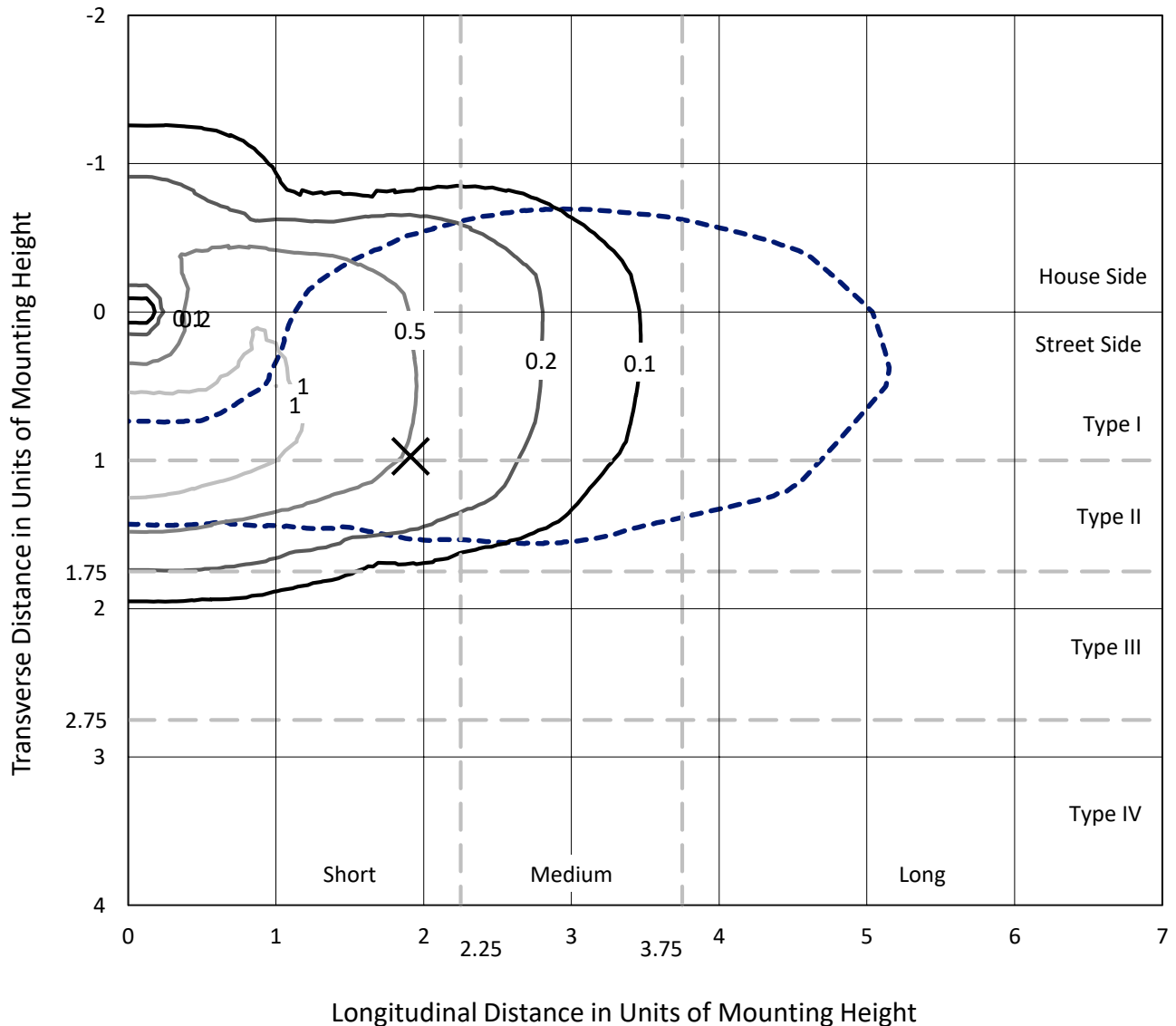


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

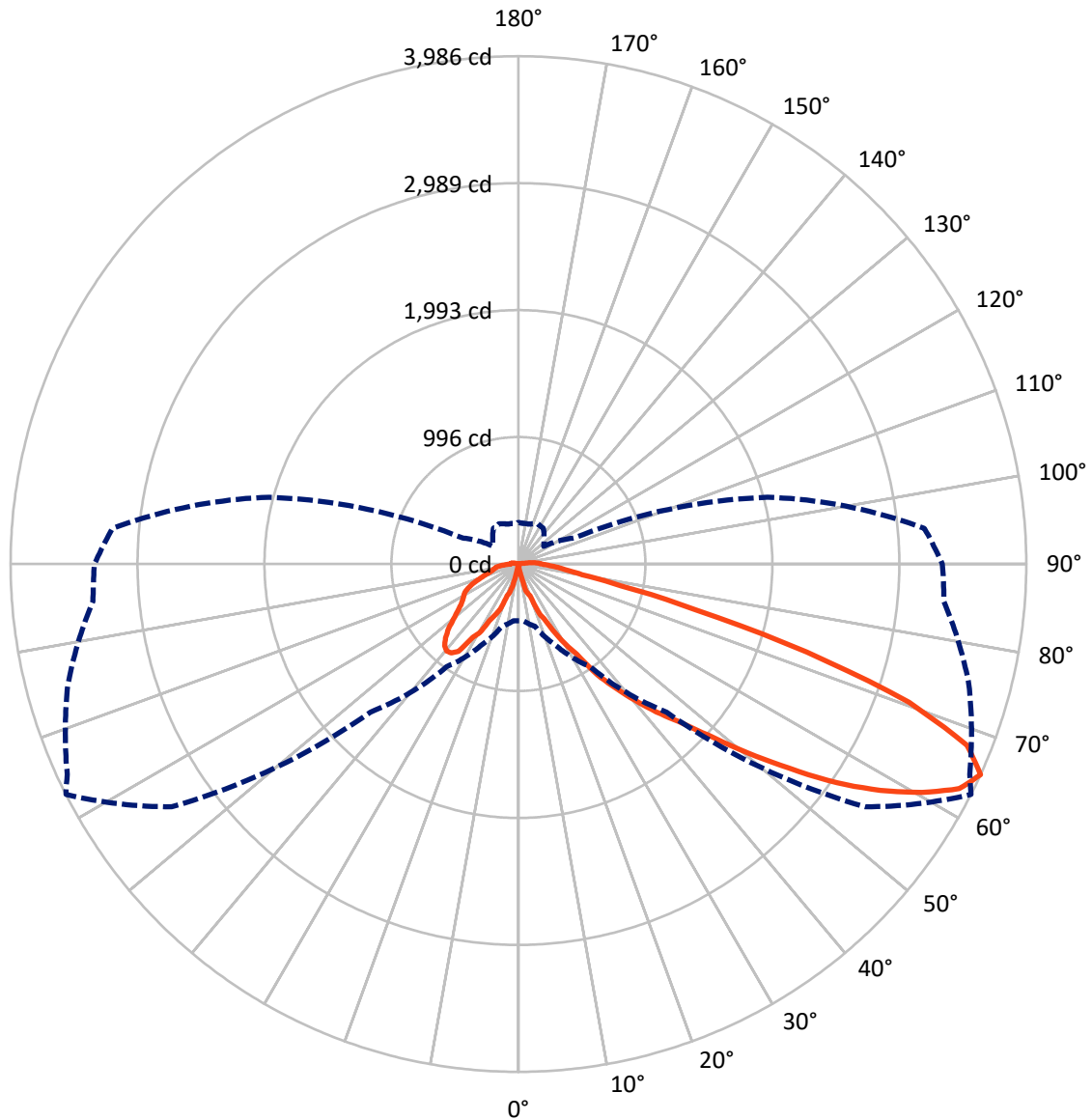


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1753.1	50.9	1803.9
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4308.7	47.4	4356.0
	% Fixture	69.9	0.8	70.7
Total	Lumens	6061.7	98.3	6160.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	55.3	0.9
20°-30°	226.3	3.7
30°-40°	588.0	9.5
40°-50°	1118.1	18.2
50°-60°	1505.2	24.4
60°-70°	1425.9	23.1
70°-80°	893.6	14.5
80°-90°	245.3	4.0
90°-100°	68.7	1.1
100°-110°	12.8	0.2
110°-120°	6.2	0.1
120°-130°	4.5	0.1
130°-140°	2.9	0.0
140°-150°	2.3	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6061.7	98.4
0°-180°	6160.0	100.0



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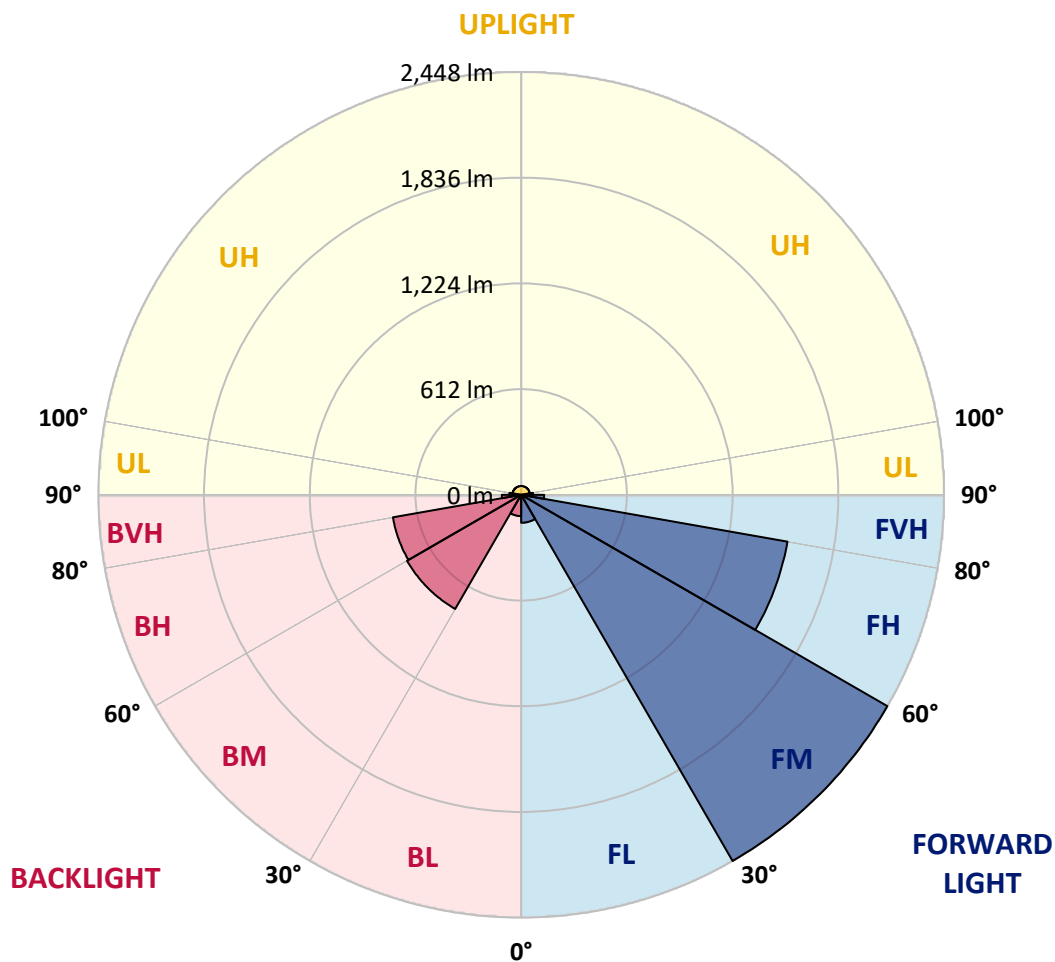
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	162.1	2.6			
FM (30°-60°)	2448.1	39.7			
FH (60°-80°)	1565.4	25.4			G1/1800
FVH (80°-90°)	133.1	2.2			G2/225
BL (0°-30°)	123.5	2.0	B1/500		
BM (30°-60°)	763.3	12.4	B1/1000		
BH (60°-80°)	754.1	12.2	B2/1000		G2/1000
BVH (80°-90°)	112.3	1.8			G2/225
UL (90°-100°)	68.7	1.1		U3/500	
UH (100°-180°)	50.9	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	8.2	7.5	8.2	8.2	7.5	6.8	6.1	5.5	4.8	3.4	2.7
5°	96.2	96.9	95.5	93.5	33.4	15.0	8.9	6.8	6.1	4.1	3.4
7.5°	110.5	109.8	109.2	107.8	103.0	96.9	52.5	12.3	9.6	5.5	3.4
10°	121.4	120.1	116.7	116.0	111.2	107.8	99.6	64.1	53.9	9.6	6.8
12.5°	221.0	216.3	212.2	175.3	122.8	116.0	111.2	96.9	94.8	60.7	90.7
15°	231.3	232.0	229.2	225.1	215.6	144.6	180.1	218.3	217.6	188.3	185.6
17.5°	262.7	260.6	250.4	240.1	236.7	257.2	255.2	243.6	243.6	215.6	204.0
20°	405.9	402.5	396.4	330.2	294.0	332.3	311.8	271.5	272.9	332.9	361.6
22.5°	470.1	468.7	456.4	427.1	416.2	366.4	410.7	425.0	416.9	421.6	403.9
25°	643.4	636.5	582.6	530.8	536.9	494.6	493.9	485.1	480.3	459.1	491.2
27.5°	818.7	813.2	801.0	728.0	620.2	596.3	558.1	609.2	595.6	644.7	655.6
30°	1084.8	1035.0	931.3	882.1	846.7	732.7	721.8	737.5	733.4	719.8	707.5
32.5°	1361.8	1341.3	1280.6	1101.1	988.6	923.1	891.0	842.6	820.1	966.7	977.0
35°	1651.0	1631.9	1483.2	1378.8	1185.7	1079.3	1061.6	1068.4	1038.4	1110.0	1093.0
37.5°	2160.0	2150.4	2001.0	1677.0	1475.0	1266.9	1242.4	1234.2	1187.1	1239.0	1239.6
40°	2486.8	2471.1	2306.0	2067.2	1741.8	1568.5	1449.1	1402.0	1389.7	1392.5	1393.1
42.5°	2729.7	2704.4	2608.2	2388.5	2048.8	1845.5	1677.0	1586.2	1610.8	1563.0	1560.3
45°	2887.3	2873.6	2786.3	2602.8	2367.4	2266.4	1968.3	1763.6	1846.1	1760.9	1756.8
47.5°	2922.7	2916.6	2855.9	2763.8	2665.5	2623.2	2319.6	2006.5	2082.2	2044.7	1968.3
50°	2768.5	2774.0	2751.5	2784.9	2892.0	2940.5	2690.1	2328.5	2370.1	2280.7	2183.2
52.5°	2431.5	2430.8	2512.7	2660.7	2975.3	3169.0	3033.3	2663.5	2661.4	2499.7	2389.2
55°	1951.9	1988.7	2127.2	2357.1	2861.3	3274.1	3358.7	3031.9	2974.6	2755.6	2572.7
57.5°	1487.3	1535.0	1704.9	1913.7	2537.3	3199.7	3595.4	3351.9	3292.5	2986.2	2767.2
60°	1006.3	1024.7	1239.0	1480.5	2018.1	2913.9	3706.6	3640.4	3575.0	3221.5	2963.7
62.5°	670.6	687.0	809.8	1103.9	1447.0	2368.1	3635.0	3884.0	3797.4	3499.9	3169.0
65°	446.2	446.2	506.9	710.2	984.5	1644.2	3321.2	3985.7	3907.2	3660.9	3351.2
67.5°	328.8	334.3	354.1	457.8	670.6	983.8	2641.6	3798.0	3806.2	3679.3	3409.2
70°	298.1	301.6	318.6	345.2	478.9	585.4	1745.9	3253.6	3394.8	3540.2	3334.8
72.5°	260.6	262.0	289.3	317.9	377.3	448.9	1015.2	2364.7	2661.4	3237.2	3130.1
75°	218.3	220.4	242.2	285.2	326.1	376.6	540.3	1439.5	1734.9	2779.5	2859.3
77.5°	177.4	182.2	199.9	233.3	299.5	315.9	414.8	822.8	1004.9	2069.9	2417.2
80°	136.4	141.2	156.9	183.5	244.9	279.0	344.5	506.2	609.2	1286.7	1689.2
82.5°	93.5	96.9	112.6	132.4	175.3	232.6	285.2	373.2	403.2	704.1	931.9
85°	66.2	68.2	78.5	87.3	109.2	152.8	238.1	296.1	304.3	373.2	379.3
87.5°	37.5	36.8	38.2	44.3	49.8	59.4	140.5	217.0	227.2	259.9	241.5
90°	25.9	25.2	21.1	20.5	23.2	25.2	79.8	172.6	181.5	209.4	214.9
92.5°	27.3	25.9	20.5	19.1	21.8	23.2	53.2	150.8	169.9	209.4	221.0
95°	25.9	24.6	18.4	16.4	19.8	20.5	32.7	103.7	133.7	195.8	216.3
97.5°	22.5	21.1	15.0	13.6	16.4	16.4	18.4	47.8	65.5	91.4	103.0
100°	18.4	17.1	12.3	10.9	11.6	12.3	11.6	23.9	23.9	25.2	19.8
102.5°	16.4	15.7	10.2	8.9	8.2	8.2	7.5	11.6	12.3	13.6	17.1
105°	14.3	13.6	8.9	7.5	6.1	6.1	5.5	7.5	8.2	11.6	16.4
107.5°	10.2	10.2	7.5	6.1	5.5	5.5	4.1	6.1	6.8	10.2	17.1
110°	6.8	6.8	5.5	5.5	4.8	5.5	4.1	6.1	6.1	8.2	13.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.5	5.5	4.8	4.1	3.4	4.1	4.8	5.5	5.5	6.1	8.2
115°	5.5	4.8	4.1	3.4	2.7	3.4	3.4	4.8	4.8	6.1	8.2
117.5°	5.5	5.5	4.1	3.4	2.7	2.7	3.4	4.1	4.1	6.1	8.9
120°	5.5	5.5	4.1	3.4	2.7	2.0	2.7	4.1	4.1	5.5	8.2
122.5°	5.5	5.5	4.1	3.4	2.7	2.0	2.7	3.4	3.4	4.8	8.2
125°	6.1	6.1	4.8	3.4	2.7	2.0	2.7	2.7	2.7	4.8	7.5
127.5°	6.1	6.1	4.8	3.4	2.7	2.0	2.7	2.7	2.7	4.1	6.1
130°	6.1	6.1	4.8	3.4	2.7	2.0	2.7	2.0	2.0	3.4	5.5
132.5°	6.1	5.5	4.8	4.1	3.4	2.7	2.7	2.0	2.0	2.0	4.1
135°	5.5	5.5	4.8	4.1	3.4	2.7	2.7	2.0	2.0	2.0	2.7
137.5°	5.5	5.5	5.5	4.8	4.1	3.4	2.7	2.0	2.0	2.0	2.0
140°	6.1	6.1	6.1	5.5	4.1	3.4	2.7	2.0	2.0	2.0	2.0
142.5°	6.8	6.8	6.8	6.1	4.1	3.4	3.4	2.0	2.0	2.0	2.0
145°	7.5	7.5	7.5	6.1	4.1	3.4	3.4	2.7	2.7	2.0	2.7
147.5°	8.2	8.2	7.5	6.1	3.4	2.7	2.7	2.7	2.7	2.7	2.7
150°	7.5	6.8	6.8	4.8	2.7	1.4	2.0	2.0	2.0	2.7	2.7
152.5°	5.5	5.5	4.8	3.4	2.0	0.7	1.4	1.4	2.0	2.0	2.0
155°	3.4	3.4	2.7	2.0	1.4	0.7	0.7	1.4	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
2.5°	2.7	2.7	3.4	4.1	4.1	4.8	4.8	4.8	4.8	4.8	4.8
5°	2.7	2.7	3.4	4.1	4.8	5.5	6.1	6.1	6.1	6.8	6.8
7.5°	3.4	3.4	3.4	4.8	5.5	7.5	20.5	61.4	94.8	97.6	98.9
10°	6.8	6.8	6.8	6.8	15.0	87.3	108.5	113.3	116.0	118.0	118.0
12.5°	91.4	90.7	32.7	16.4	75.0	113.3	120.1	123.5	126.2	128.3	128.9
15°	185.6	186.3	186.3	188.3	136.4	123.5	130.3	192.4	227.9	234.7	237.4
17.5°	203.3	203.3	202.6	225.8	253.8	200.6	223.8	244.2	251.1	254.5	255.8
20°	371.1	370.5	298.8	259.3	268.1	332.9	250.4	259.9	265.4	316.6	317.9
22.5°	409.3	407.3	398.4	400.5	315.9	360.2	343.2	332.9	365.0	363.6	365.0
25°	502.8	453.7	434.6	430.5	457.8	374.6	397.7	344.5	352.7	351.4	352.7
27.5°	658.4	640.6	596.3	504.2	487.8	462.6	398.4	361.6	406.6	416.9	418.2
30°	706.1	683.6	636.5	640.6	543.7	470.7	388.2	400.5	384.8	383.4	380.7
32.5°	968.1	938.8	867.8	698.6	605.8	442.1	390.2	364.3	372.5	399.8	401.2
35°	1078.6	1045.2	995.4	891.7	587.4	433.9	356.8	355.4	360.9	361.6	360.2
37.5°	1204.2	1160.5	1113.4	939.4	613.3	393.0	332.9	333.6	345.9	369.8	367.0
40°	1350.2	1301.7	1225.3	967.4	550.6	368.4	317.2	327.5	340.4	335.0	330.2
42.5°	1514.6	1435.4	1315.4	962.0	478.9	339.8	313.1	320.0	317.9	307.7	305.0
45°	1684.5	1600.5	1403.4	916.3	414.1	321.3	305.6	307.7	299.5	286.5	283.8
47.5°	1880.3	1769.7	1453.2	849.4	362.3	320.0	303.6	296.8	281.1	269.5	268.8
50°	2077.4	1956.7	1531.0	760.0	323.4	314.5	308.4	294.0	274.9	263.3	262.0
52.5°	2270.5	2164.8	1614.9	685.0	294.0	308.4	310.4	295.4	274.9	257.9	257.2
55°	2464.3	2371.5	1705.6	625.6	274.3	307.7	317.9	299.5	279.0	253.8	253.1
57.5°	2658.7	2568.6	1792.9	586.0	265.4	298.8	322.7	312.5	290.0	268.8	270.2
60°	2889.3	2782.9	1896.0	558.1	262.0	294.0	326.8	327.5	296.8	272.9	276.3
62.5°	3115.8	3008.0	1983.3	532.1	253.1	289.3	328.8	339.1	311.8	291.3	294.7
65°	3326.6	3198.4	2023.5	482.3	242.2	283.8	341.1	349.3	323.4	321.3	325.4
67.5°	3407.1	3287.7	1984.0	420.3	235.4	283.8	354.1	363.6	335.7	346.6	357.5
70°	3329.3	3229.7	1884.4	342.5	237.4	285.9	356.1	370.5	353.4	362.3	371.8
72.5°	3087.8	2960.9	1642.2	275.6	237.4	283.1	347.3	359.5	346.6	375.9	385.5
75°	2782.9	2561.8	1307.2	227.2	230.6	281.8	326.8	341.1	328.2	358.9	369.1
77.5°	2298.5	2015.3	904.0	200.6	221.0	269.5	305.6	308.4	295.4	313.8	318.6
80°	1621.0	1358.3	572.4	181.5	211.5	243.6	270.9	266.1	253.1	256.5	260.6
82.5°	904.0	718.4	333.6	167.1	198.5	202.6	221.7	223.1	206.0	206.7	207.4
85°	358.9	332.3	225.8	140.5	160.3	146.0	165.8	172.6	156.2	137.1	133.0
87.5°	238.1	225.8	157.6	96.2	98.2	82.6	107.8	111.9	92.1	79.8	79.1
90°	226.5	219.7	135.8	64.8	54.6	45.0	60.0	58.0	44.3	38.9	39.6
92.5°	233.3	229.2	137.8	62.1	53.2	43.0	53.2	45.7	33.4	29.3	30.0
95°	229.9	227.9	134.4	60.7	50.5	39.6	45.0	36.8	25.9	23.2	23.2
97.5°	109.2	115.3	83.2	54.6	45.0	33.4	34.8	28.0	18.4	17.1	16.4
100°	16.4	25.9	45.0	50.5	33.4	23.2	22.5	18.4	11.6	10.9	10.9
102.5°	17.1	18.4	28.0	34.8	18.4	12.3	12.3	10.9	8.9	10.2	10.2
105°	18.4	17.1	16.4	19.1	10.9	7.5	6.8	6.8	7.5	10.9	11.6
107.5°	19.8	18.4	13.0	10.2	8.2	6.8	5.5	4.8	6.8	11.6	12.3
110°	15.0	14.3	10.9	8.2	8.2	7.5	4.8	4.8	7.5	12.3	13.6



REPORT NUMBER: P415826

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.9	10.2	9.6	7.5	6.8	6.8	4.8	4.8	7.5	13.0	14.3
115°	9.6	9.6	8.2	6.1	5.5	5.5	4.8	4.1	7.5	13.6	14.3
117.5°	9.6	9.6	8.2	6.1	4.8	4.1	4.1	4.1	7.5	13.6	14.3
120°	9.6	9.6	8.2	5.5	4.8	4.1	4.1	4.1	7.5	13.0	14.3
122.5°	8.9	8.9	7.5	5.5	4.1	4.1	4.1	4.1	7.5	12.3	13.0
125°	8.2	8.2	6.8	4.8	4.1	3.4	4.1	4.1	6.8	10.9	11.6
127.5°	6.8	7.5	6.1	4.8	4.1	3.4	4.1	4.1	6.1	9.6	10.2
130°	6.1	6.1	5.5	4.1	3.4	3.4	4.1	4.1	6.1	8.9	9.6
132.5°	4.8	4.8	4.1	4.1	3.4	3.4	3.4	3.4	4.8	7.5	7.5
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.1	5.5	6.1
137.5°	2.7	2.7	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.8	4.8
140°	2.0	2.7	2.7	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1
142.5°	2.0	2.7	2.7	3.4	3.4	3.4	3.4	3.4	4.1	4.8	4.8
145°	2.7	2.7	3.4	3.4	3.4	2.7	3.4	3.4	4.1	4.8	4.8
147.5°	2.7	2.7	3.4	3.4	3.4	2.7	2.7	3.4	4.1	4.8	4.8
150°	2.7	2.7	3.4	3.4	2.7	2.0	2.7	2.7	3.4	4.8	4.8
152.5°	2.7	2.7	2.7	2.7	2.0	1.4	2.0	2.0	2.7	3.4	3.4
155°	2.0	2.0	2.0	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.7
157.5°	1.4	1.4	1.4	2.0	1.4	1.4	0.7	0.7	0.7	1.4	1.4
160°	0.7	0.7	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7
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)