

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: P415840

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415840
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-PA1-60-727-U-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5938 lumens
Efficiency: N/A
Efficacy: 92.8 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

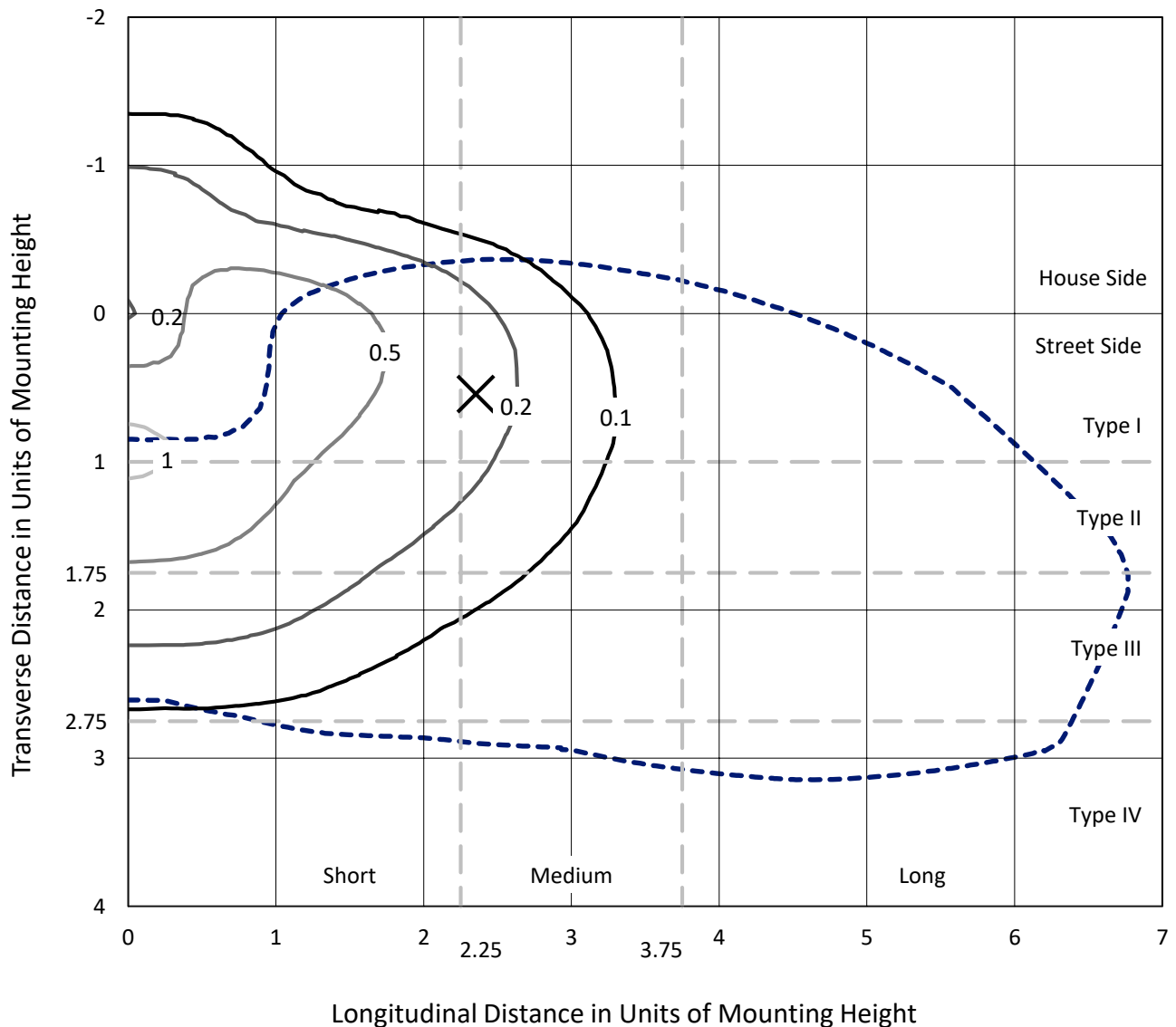
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

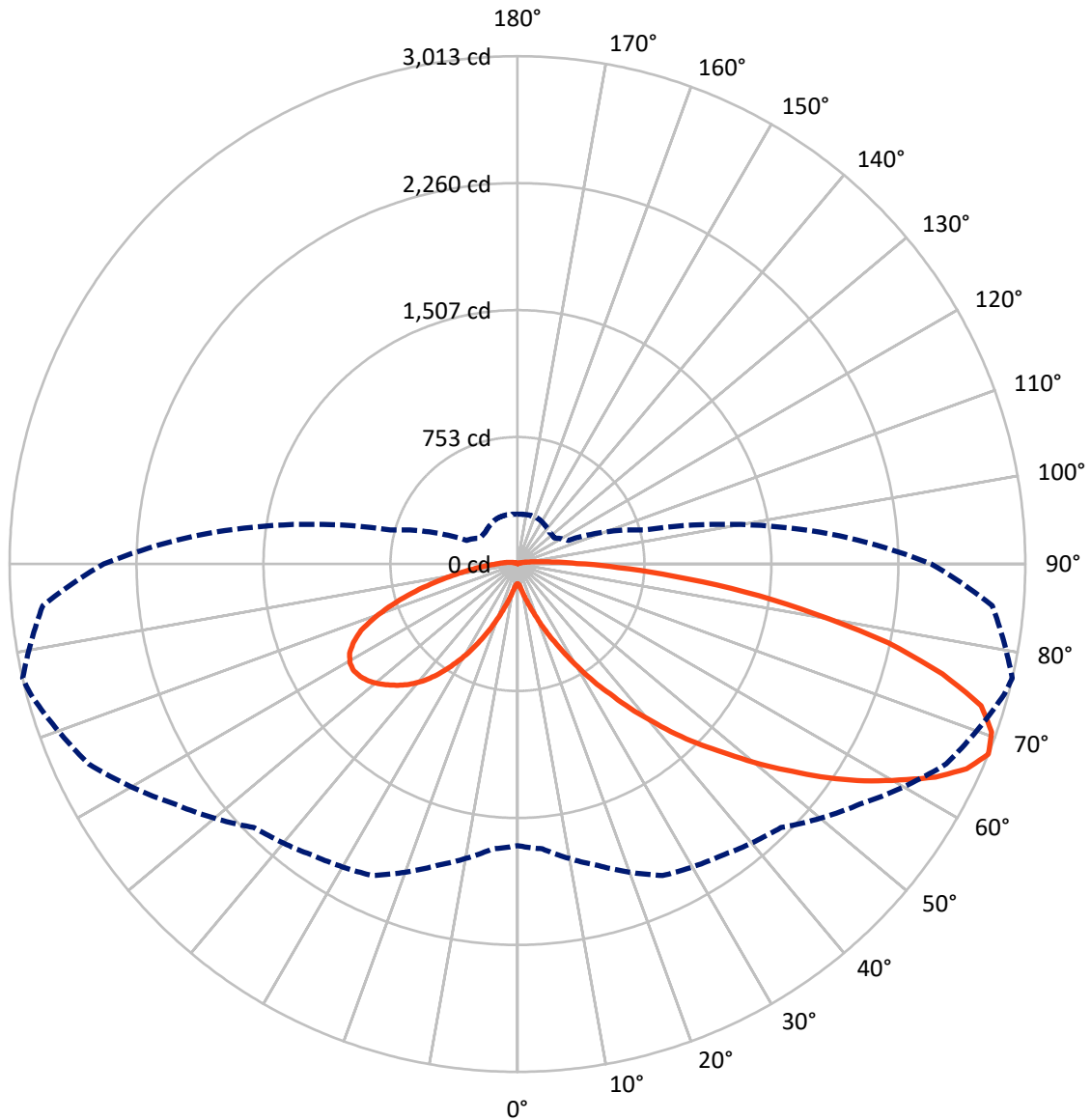
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1354.7	89.2	1443.9
	% Fixture	22.8	1.5	24.3
Street Side	Lumens	4394.7	99.4	4494.1
	% Fixture	74.0	1.7	75.7
Total	Lumens	5749.4	188.6	5938.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.5	0.2
10°-20°	68.9	1.2
20°-30°	205.8	3.5
30°-40°	455.7	7.7
40°-50°	816.1	13.7
50°-60°	1222.3	20.6
60°-70°	1440.8	24.3
70°-80°	1100.0	18.5
80°-90°	426.4	7.2
90°-100°	108.7	1.8
100°-110°	41.1	0.7
110°-120°	19.3	0.3
120°-130°	10.3	0.2
130°-140°	5.7	0.1
140°-150°	2.6	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5749.4	96.8
0°-180°	5938.0	100.0



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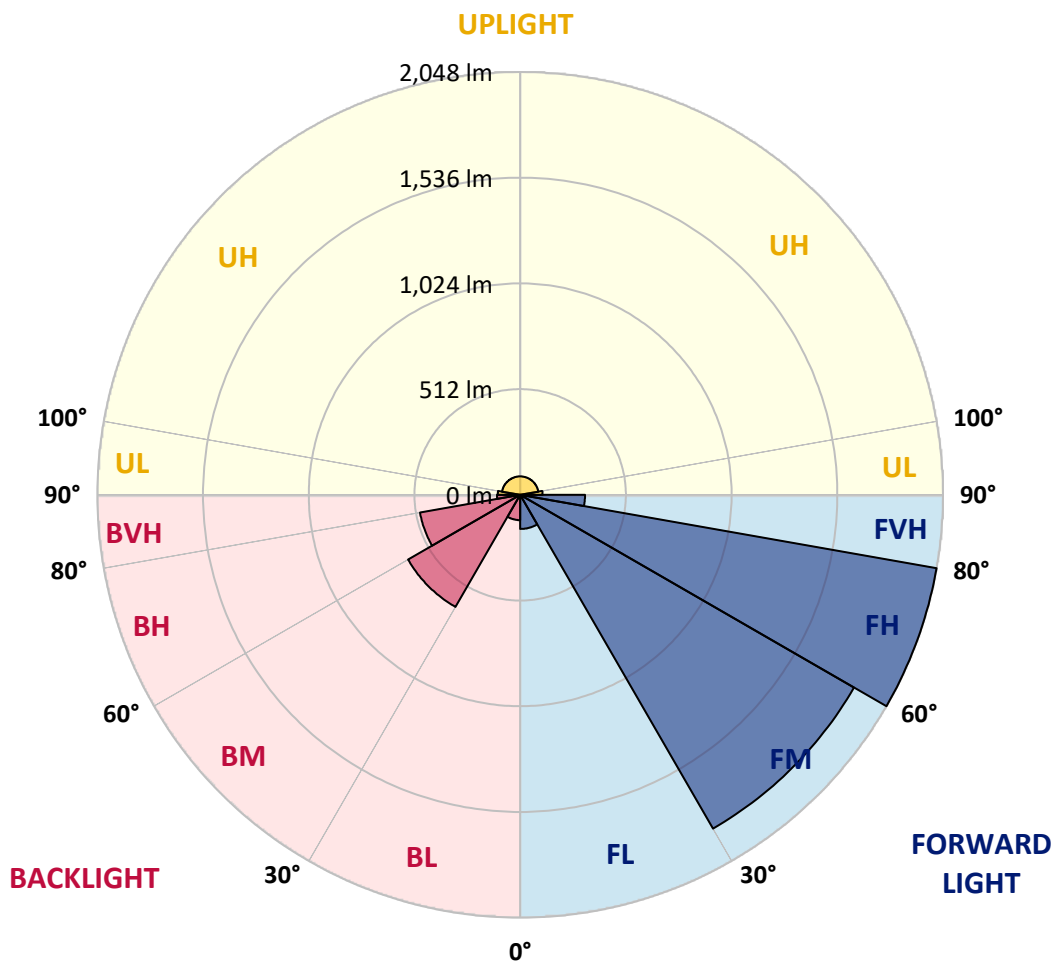
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.5	2.8			
FM	(30°-60°)	1867.1	31.4			
FH	(60°-80°)	2048.1	34.5			G2/5000
FVH	(80°-90°)	314.1	5.3			G3/500
BL	(0°-30°)	122.7	2.1	B1/500		
BM	(30°-60°)	627.1	10.6	B1/1000		
BH	(60°-80°)	492.6	8.3	B1/500		G1/500
BVH	(80°-90°)	112.3	1.9			G2/225
UL	(90°-100°)	108.7	1.8		U3/500	
UH	(100°-180°)	89.2	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	123.5	122.8	123.5	123.5	124.2	122.8	121.4	120.7	120.1	120.1	119.4
5°	136.4	135.1	135.8	136.4	135.8	134.4	132.3	131.7	130.3	130.3	128.9
7.5°	154.9	154.9	154.2	152.8	154.2	152.1	150.8	150.1	148.0	147.4	146.7
10°	182.8	181.5	180.8	179.4	178.1	177.4	174.6	174.6	171.2	172.6	170.5
12.5°	219.0	216.3	216.9	214.2	210.1	207.4	206.0	205.3	205.3	205.3	204.7
15°	262.6	260.6	259.9	253.8	249.7	246.3	243.5	244.2	247.6	248.3	245.6
17.5°	312.4	315.9	309.7	304.3	298.1	291.3	291.3	291.3	294.0	296.1	294.7
20°	382.0	375.2	368.4	359.5	349.3	343.8	341.1	349.3	354.1	357.5	356.1
22.5°	458.4	451.6	444.1	429.8	415.5	405.2	405.2	415.5	426.4	430.5	431.8
25°	545.1	549.2	530.7	508.9	483.0	474.1	475.5	490.5	506.9	510.3	518.5
27.5°	652.2	652.2	636.5	601.7	567.6	549.8	551.2	575.8	600.3	605.1	611.2
30°	782.5	777.7	756.5	710.2	665.1	631.7	637.8	667.9	706.7	710.8	718.3
32.5°	927.8	927.1	886.2	828.9	764.1	724.5	727.2	770.9	819.3	830.9	839.1
35°	1088.8	1092.9	1039.7	956.4	881.4	828.2	837.0	886.8	943.5	946.2	956.4
37.5°	1273.0	1270.9	1207.5	1116.7	1004.9	948.2	941.4	1009.0	1068.3	1086.0	1080.6
40°	1476.9	1455.1	1393.7	1281.2	1143.4	1067.6	1069.0	1138.6	1219.1	1224.5	1223.2
42.5°	1678.2	1668.6	1594.3	1442.2	1294.8	1205.4	1208.8	1275.7	1358.9	1380.1	1365.1
45°	1895.1	1871.3	1790.8	1633.8	1454.4	1357.6	1348.7	1423.7	1515.1	1531.5	1517.2
47.5°	2070.4	2055.4	1984.5	1817.4	1625.7	1501.5	1487.9	1580.0	1684.3	1685.7	1664.5
50°	2215.8	2208.3	2152.3	2004.3	1791.4	1662.5	1648.2	1739.6	1848.7	1866.5	1835.8
52.5°	2341.3	2329.0	2301.0	2155.0	1942.2	1800.3	1798.3	1898.5	2035.0	2043.2	2013.8
55°	2381.5	2389.0	2384.9	2281.9	2090.2	1936.7	1953.8	2088.9	2211.0	2239.6	2184.4
57.5°	2375.4	2375.4	2414.3	2367.2	2189.2	2060.2	2097.1	2260.1	2419.0	2427.9	2361.7
60°	2282.6	2284.7	2378.1	2391.1	2260.1	2166.0	2252.6	2434.1	2597.1	2602.6	2540.5
62.5°	2148.9	2144.1	2281.2	2346.7	2269.0	2228.7	2363.8	2586.2	2764.9	2783.3	2689.9
65°	1940.2	1949.0	2097.1	2227.4	2222.6	2252.6	2450.4	2723.3	2901.4	2928.0	2792.9
67.5°	1670.7	1696.6	1852.1	2039.1	2111.4	2211.0	2482.5	2807.2	2990.0	3013.2	2827.7
70°	1384.2	1378.0	1546.5	1781.2	1922.4	2104.6	2447.0	2810.6	2992.1	2984.6	2753.3
72.5°	1049.9	1075.8	1227.3	1466.0	1675.5	1902.6	2331.7	2723.3	2877.5	2876.1	2556.9
75°	746.3	762.0	895.7	1134.5	1384.2	1666.6	2101.8	2533.0	2646.2	2605.3	2272.4
77.5°	492.5	506.9	622.2	839.8	1071.0	1369.8	1792.8	2200.7	2290.8	2248.5	1909.5
80°	306.3	313.1	400.4	573.0	778.4	1061.5	1451.7	1799.6	1835.1	1792.1	1470.1
82.5°	182.1	187.6	250.4	367.7	554.6	772.9	1094.2	1379.4	1391.0	1361.7	1060.1
85°	111.9	119.4	159.6	245.6	369.7	545.1	762.7	958.5	966.7	932.6	700.6
87.5°	73.0	77.1	108.5	159.6	249.0	365.0	511.0	637.8	619.4	598.3	442.7
90°	49.8	52.5	74.4	109.8	168.5	241.5	323.4	399.1	369.7	353.4	268.8
92.5°	34.8	37.5	54.6	79.1	116.7	161.7	210.1	238.8	226.5	219.0	169.2
95°	27.3	28.7	41.6	61.4	86.6	114.6	139.2	148.0	140.5	135.1	113.9
97.5°	21.8	23.2	34.8	49.8	67.5	85.3	96.9	99.6	92.1	89.4	79.1
100°	18.4	19.8	29.3	41.6	55.3	67.5	72.3	71.6	65.5	64.1	57.3
102.5°	16.4	17.1	25.9	36.2	47.1	54.6	57.3	53.9	47.8	47.1	43.0
105°	14.3	15.7	22.5	31.4	40.2	46.4	46.4	42.3	35.5	34.8	32.7
107.5°	13.6	13.6	19.8	27.3	34.8	38.9	38.9	34.1	28.0	26.6	25.2
110°	12.3	13.0	17.7	23.9	30.0	33.4	32.7	27.3	21.1	20.5	19.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	11.6	11.6	15.7	21.1	25.9	28.7	27.3	22.5	17.1	16.4	15.7
115°	10.9	10.9	14.3	19.1	23.2	25.2	23.2	18.4	13.6	13.0	13.6
117.5°	10.2	10.9	13.0	17.1	20.5	21.8	19.8	15.7	11.6	10.9	11.6
120°	10.2	10.2	12.3	15.0	17.7	19.1	17.1	13.0	9.6	9.6	10.2
122.5°	10.2	10.2	11.6	13.6	15.7	16.4	14.3	10.9	8.9	8.9	9.6
125°	9.6	9.6	10.9	12.3	14.3	14.3	13.0	9.6	7.5	7.5	8.9
127.5°	9.6	9.6	10.2	11.6	13.0	13.0	10.9	8.2	6.8	7.5	8.2
130°	8.9	8.9	9.6	10.2	11.6	10.9	9.6	7.5	6.1	6.8	7.5
132.5°	8.9	8.9	8.9	9.6	10.2	9.6	8.2	6.1	6.1	6.1	6.8
135°	8.2	8.2	8.9	8.9	8.9	8.2	6.8	5.5	5.5	5.5	6.1
137.5°	8.2	8.2	8.2	8.2	8.2	7.5	6.1	4.8	4.8	4.8	5.5
140°	7.5	7.5	7.5	6.8	6.8	6.1	4.8	4.1	4.1	4.1	4.8
142.5°	6.8	6.8	6.8	6.1	6.1	4.8	4.1	3.4	3.4	4.1	4.1
145°	6.1	6.1	6.1	5.5	4.8	4.1	2.7	2.7	3.4	3.4	4.1
147.5°	4.8	4.8	4.8	4.8	3.4	3.4	2.0	2.7	2.7	3.4	3.4
150°	4.1	4.1	4.1	4.1	2.7	2.0	1.4	2.0	2.7	2.7	2.7
152.5°	3.4	3.4	3.4	3.4	2.0	1.4	1.4	2.0	2.0	2.0	2.7
155°	2.0	2.0	2.7	2.0	1.4	0.7	1.4	1.4	2.0	2.0	2.0
157.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	2.0
160°	0.7	0.7	1.4	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4
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°	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7	116.7
2.5°	118.7	119.4	118.7	118.0	118.0	117.3	117.3	117.3	117.3	116.7	116.7
5°	129.6	128.9	128.3	126.9	125.5	124.2	124.2	123.5	122.8	122.1	122.1
7.5°	144.6	144.6	143.3	141.2	139.2	137.8	136.4	135.8	133.7	133.7	133.0
10°	167.8	167.8	163.7	161.7	158.3	154.9	153.5	151.4	150.1	149.4	148.7
12.5°	201.2	199.2	195.1	188.3	181.5	176.0	172.6	171.2	171.9	171.9	172.6
15°	244.2	240.1	234.0	221.0	208.8	200.6	198.5	198.5	199.2	199.2	199.9
17.5°	295.4	289.2	275.6	259.2	241.5	230.6	225.8	225.8	227.2	229.2	231.3
20°	357.5	352.0	330.9	302.2	275.6	261.3	253.1	252.4	255.1	261.3	259.9
22.5°	427.7	421.6	390.2	348.6	311.8	288.6	279.7	282.4	289.2	293.3	293.3
25°	512.3	502.1	455.0	394.3	347.2	314.5	302.9	307.0	317.2	322.0	324.0
27.5°	603.1	589.4	526.7	444.1	375.2	335.6	323.4	328.8	341.1	348.6	350.6
30°	710.8	687.0	601.7	490.5	400.4	350.6	337.7	347.9	361.6	370.4	372.5
32.5°	824.1	787.2	666.5	530.1	418.9	360.9	347.9	360.2	375.2	385.4	386.1
35°	937.3	895.0	738.1	562.1	428.4	365.7	352.0	366.3	382.7	390.9	392.9
37.5°	1060.1	1001.5	800.2	582.6	432.5	365.0	352.0	366.3	382.0	388.8	390.2
40°	1178.1	1105.8	855.5	594.9	431.1	359.5	347.2	362.2	375.9	380.7	380.0
42.5°	1310.5	1206.8	899.8	595.6	421.6	351.3	341.1	354.1	363.6	362.9	363.6
45°	1436.7	1313.9	932.6	590.8	408.6	341.1	332.9	344.5	347.9	344.5	343.8
47.5°	1575.2	1420.3	958.5	578.5	392.9	331.5	324.0	332.9	333.6	326.1	324.7
50°	1721.9	1526.7	982.4	556.0	374.5	320.6	315.9	323.4	322.0	309.7	307.7
52.5°	1865.1	1634.5	997.4	528.7	356.1	311.1	309.0	316.5	312.4	298.1	295.4
55°	2017.9	1734.1	1000.1	501.4	338.4	302.9	302.9	311.1	306.3	291.3	289.2
57.5°	2167.3	1838.5	989.9	465.9	321.3	294.0	298.1	307.7	304.3	289.2	287.9
60°	2307.2	1917.0	961.9	432.5	305.6	287.9	294.7	305.6	302.9	290.6	289.2
62.5°	2415.6	1968.8	917.5	399.8	292.0	281.7	291.3	302.2	302.9	292.7	293.3
65°	2466.1	1968.8	853.4	367.0	279.7	275.6	287.9	300.2	301.5	295.4	295.4
67.5°	2455.2	1918.3	781.1	332.9	268.1	268.1	283.1	296.1	298.8	296.1	296.1
70°	2339.9	1781.9	682.2	305.6	256.5	259.2	275.6	289.2	293.3	294.0	293.3
72.5°	2152.3	1576.5	579.9	277.0	244.2	250.4	266.1	279.7	285.2	286.5	285.8
75°	1862.4	1338.5	479.6	253.1	231.3	238.8	255.1	266.7	272.9	275.6	274.2
77.5°	1496.7	1062.2	392.9	229.2	216.3	224.4	240.1	249.7	257.2	260.6	257.9
80°	1140.6	790.7	312.4	205.3	197.8	206.7	220.3	230.6	237.4	238.8	236.7
82.5°	809.8	560.8	250.4	182.8	178.1	185.6	197.8	204.7	212.8	212.2	208.1
85°	530.7	380.7	196.5	159.0	156.9	161.7	171.2	175.3	183.5	183.5	178.7
87.5°	345.2	252.4	154.9	133.7	135.8	139.8	144.6	148.0	151.4	152.1	148.0
90°	220.3	172.6	123.5	113.9	116.0	119.4	119.4	118.7	124.2	125.5	122.1
92.5°	144.6	122.8	102.3	96.9	98.2	98.9	98.9	96.2	101.0	101.6	98.9
95°	101.6	92.1	84.6	83.2	83.2	83.2	81.9	78.5	82.5	82.5	81.2
97.5°	76.4	71.6	70.9	70.9	70.9	70.3	68.2	66.9	68.2	68.2	67.5
100°	57.3	56.6	58.7	60.0	60.7	60.0	58.7	56.6	56.6	53.9	54.6
102.5°	43.7	45.0	49.1	51.2	51.2	51.2	50.5	47.8	46.4	43.7	43.0
105°	34.1	35.5	40.2	43.0	43.7	44.3	43.0	40.2	37.5	34.8	34.1
107.5°	26.6	28.7	32.7	36.2	37.5	37.5	36.8	34.1	30.7	27.3	27.3
110°	21.8	23.2	27.3	30.7	32.1	32.1	31.4	28.0	24.6	21.8	21.8



REPORT NUMBER: P415840

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.7	19.1	23.2	25.9	27.3	28.0	26.6	23.9	20.5	17.7	17.7
115°	15.0	16.4	19.8	21.8	23.2	23.2	22.5	19.8	17.1	15.0	15.0
117.5°	13.0	14.3	17.1	19.1	19.8	20.5	19.1	17.1	14.3	13.0	13.0
120°	11.6	12.3	15.0	16.4	17.1	17.1	16.4	14.3	12.3	11.6	11.6
122.5°	10.2	11.6	13.0	14.3	15.0	15.0	14.3	12.3	10.9	10.2	10.9
125°	9.6	10.2	11.6	13.0	13.0	13.0	12.3	10.9	9.6	9.6	9.6
127.5°	8.9	9.6	10.2	10.9	11.6	11.6	10.9	9.6	8.9	8.9	8.9
130°	8.2	8.9	9.6	9.6	10.2	10.2	9.6	8.2	8.2	8.2	8.2
132.5°	7.5	8.2	8.2	8.9	8.9	8.9	8.2	7.5	7.5	7.5	7.5
135°	6.8	6.8	7.5	7.5	7.5	7.5	6.8	6.8	6.8	6.8	6.8
137.5°	6.1	6.1	6.8	6.1	6.8	6.1	6.1	5.5	6.1	6.1	6.1
140°	5.5	5.5	5.5	5.5	5.5	5.5	4.8	4.8	5.5	5.5	5.5
142.5°	4.8	4.8	4.8	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8
145°	4.1	4.1	4.1	3.4	3.4	2.7	3.4	3.4	4.1	4.1	4.1
147.5°	3.4	3.4	3.4	3.4	2.7	2.0	2.0	2.7	3.4	3.4	3.4
150°	2.7	3.4	3.4	2.7	2.0	1.4	1.4	2.0	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.0	1.4	0.7	0.7	1.4	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	1.4	0.7	0.0	1.4	1.4	1.4	1.4
157.5°	2.0	2.0	2.0	1.4	0.7	0.0	0.0	0.7	1.4	0.7	0.7
160°	1.4	1.4	1.4	1.4	0.7	0.7	0.0	0.7	0.7	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)