

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: P415835

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415835  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6154 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 IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

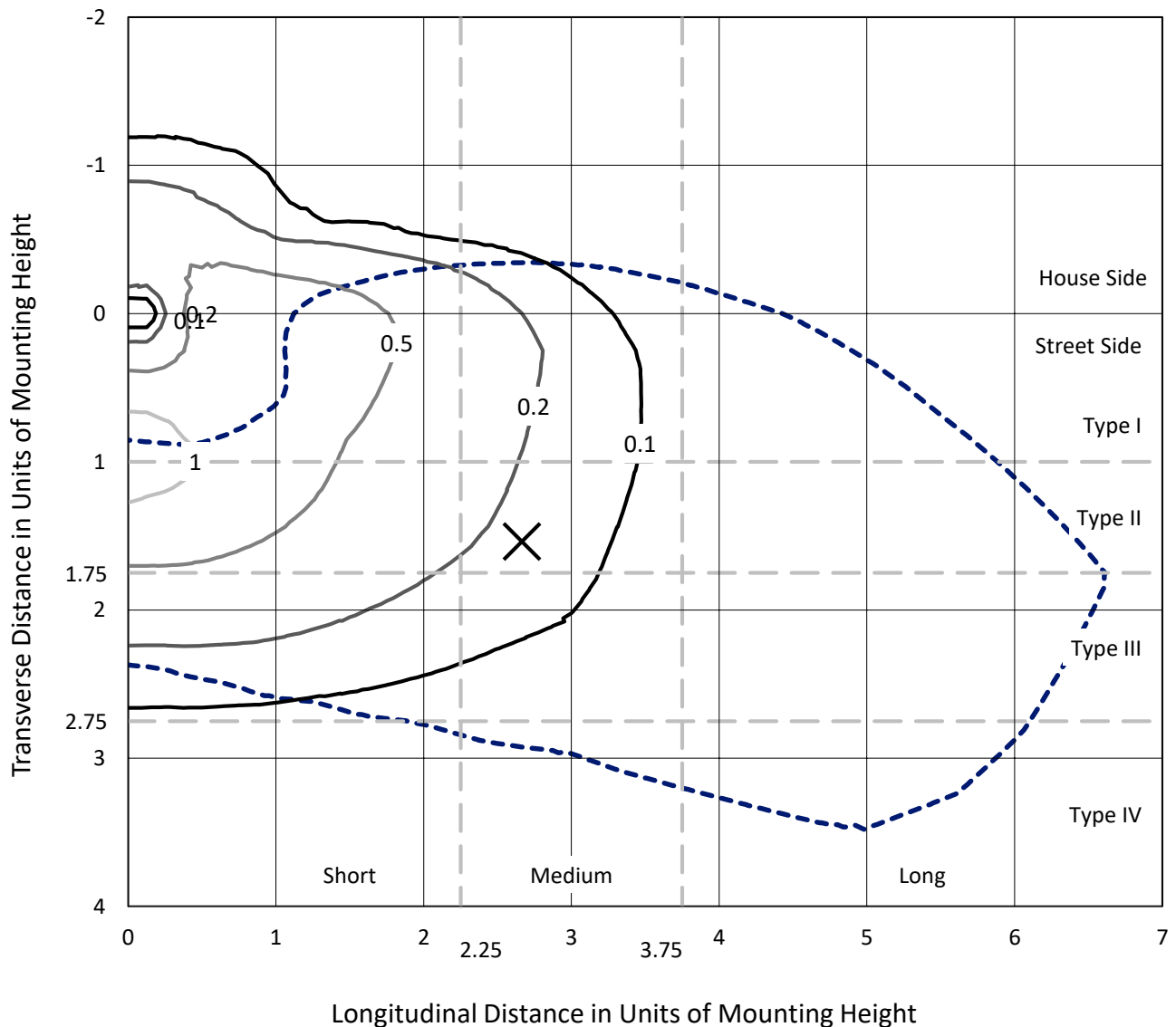
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

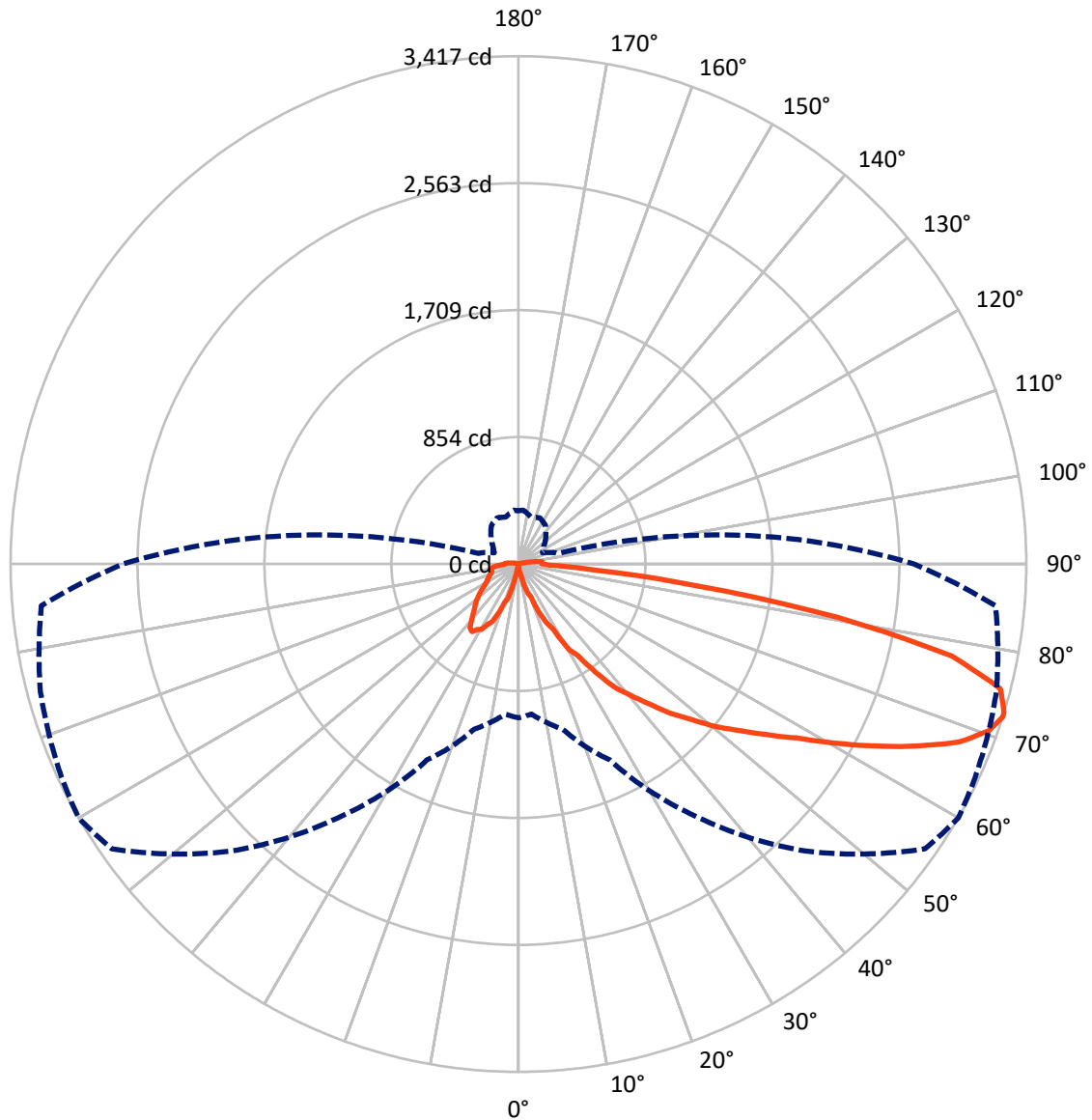
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1345.0	65.6	1410.6
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	4685.8	57.6	4743.4
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	6030.7	123.2	6154.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	50.3	0.8
20°-30°	209.8	3.4
30°-40°	484.7	7.9
40°-50°	851.1	13.8
50°-60°	1286.4	20.9
60°-70°	1586.0	25.8
70°-80°	1224.5	19.9
80°-90°	334.5	5.4
90°-100°	90.8	1.5
100°-110°	15.7	0.3
110°-120°	6.1	0.1
120°-130°	4.3	0.1
130°-140°	2.9	0.0
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6030.7	98.0
0°-180°	6154.0	100.0



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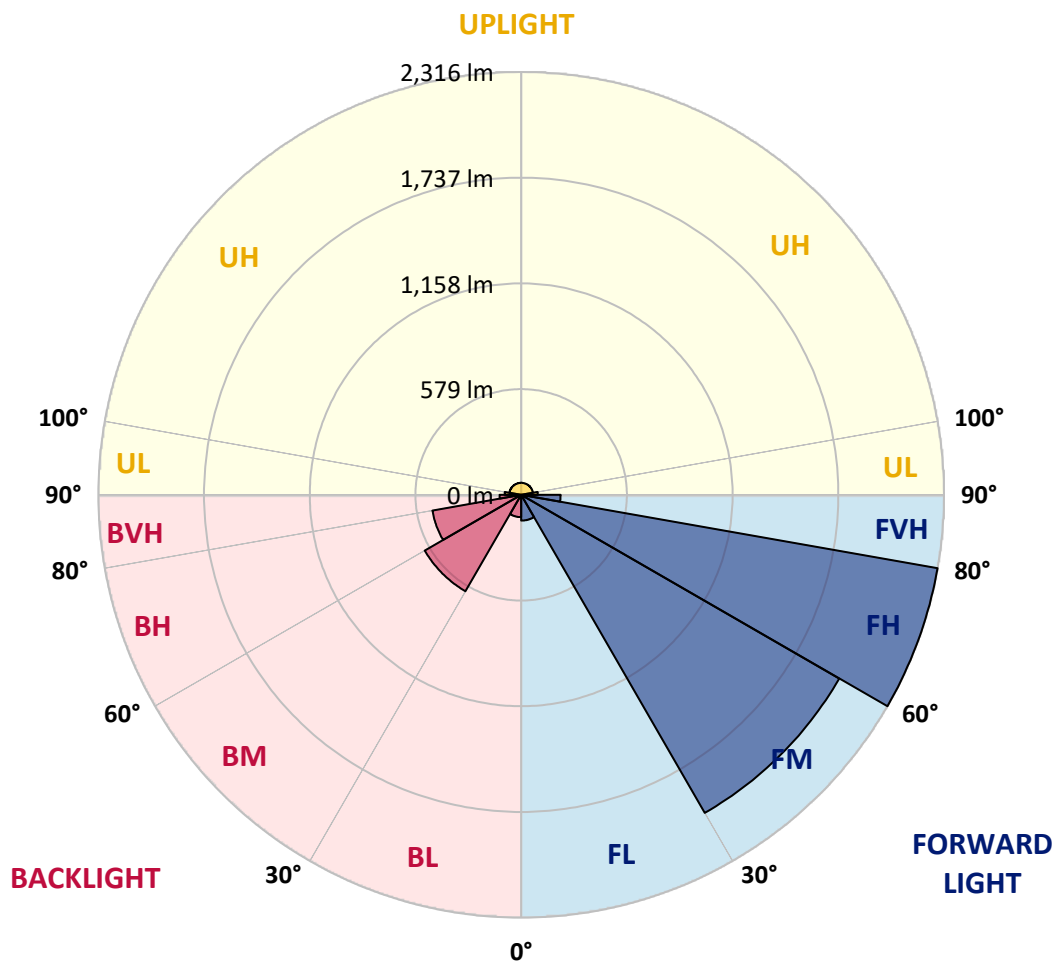
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	141.3	2.3			
FM	(30°-60°)	2012.1	32.7			
FH	(60°-80°)	2316.4	37.6			G2/5000
FVH	(80°-90°)	216.1	3.5			G2/225
BL	(0°-30°)	122.2	2.0	B1/500		
BM	(30°-60°)	610.0	9.9	B1/1000		
BH	(60°-80°)	494.2	8.0	B1/500		G1/500
BVH	(80°-90°)	118.5	1.9			G2/225
UL	(90°-100°)	90.8	1.5		U3/500	
UH	(100°-180°)	65.6	1.1		U3/500	

**BUG Rating: B1-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	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	6.8	6.8	7.5	6.8	6.1	5.5	4.8	4.8	4.1
5°	76.4	74.4	73.7	59.4	27.3	21.1	9.6	7.5	6.1	4.8	4.1
7.5°	84.6	83.9	83.2	83.2	81.9	77.8	44.3	21.8	12.3	6.1	5.5
10°	96.9	95.5	91.4	89.4	87.3	86.0	79.8	75.7	34.1	10.2	8.9
12.5°	172.6	169.9	165.8	122.8	105.1	92.8	90.7	87.3	75.7	31.4	63.4
15°	185.6	184.9	182.1	180.1	174.6	116.0	140.5	160.3	181.5	148.0	165.1
17.5°	233.3	226.5	208.8	198.5	195.1	212.8	203.3	206.7	206.7	199.2	189.0
20°	348.6	343.8	335.0	295.4	222.4	274.2	268.8	228.5	235.4	291.3	338.4
22.5°	420.2	415.5	397.0	371.8	367.0	304.9	317.2	346.6	354.7	408.6	408.0
25°	570.3	561.5	521.9	447.5	457.1	393.6	442.7	435.9	414.8	450.3	462.5
27.5°	696.5	689.0	669.9	632.4	530.1	550.5	503.5	494.6	551.2	650.8	648.8
30°	835.7	794.8	743.6	732.0	656.3	624.2	636.5	665.8	687.0	696.5	720.4
32.5°	1013.8	1009.0	970.8	820.0	796.1	713.6	772.3	732.0	748.4	886.2	968.0
35°	1137.2	1149.5	1082.0	991.9	878.7	876.6	852.1	892.3	970.8	989.9	1046.5
37.5°	1425.1	1428.5	1367.8	1110.6	1036.9	966.0	1042.4	1053.3	1075.2	1107.9	1155.7
40°	1642.1	1611.4	1536.3	1345.3	1185.0	1107.9	1162.5	1161.1	1208.9	1268.9	1298.9
42.5°	1909.5	1875.4	1741.0	1524.7	1374.6	1289.4	1294.8	1283.2	1322.8	1417.6	1436.0
45°	2133.9	2118.9	2015.2	1787.4	1584.1	1481.7	1444.9	1430.6	1450.4	1569.7	1580.0
47.5°	2346.1	2305.8	2238.3	2007.7	1888.3	1702.1	1596.4	1562.2	1568.4	1704.1	1734.2
50°	2570.5	2503.0	2419.8	2217.2	2130.5	1979.1	1770.3	1717.1	1719.2	1844.7	1895.8
52.5°	2703.6	2596.5	2542.6	2374.7	2287.4	2211.7	1952.5	1860.4	1869.9	1988.6	2066.4
55°	2621.0	2589.0	2590.3	2490.0	2425.2	2336.5	2129.2	2026.1	2037.1	2176.2	2273.8
57.5°	2481.9	2506.4	2593.1	2589.0	2552.8	2466.2	2305.2	2209.0	2271.7	2388.4	2491.4
60°	2374.7	2402.7	2543.3	2615.6	2683.1	2619.7	2487.3	2445.7	2504.4	2606.0	2729.5
62.5°	2196.0	2218.5	2411.6	2602.6	2679.7	2750.6	2660.6	2698.1	2752.0	2838.0	2988.0
65°	1951.8	1946.3	2186.5	2483.9	2657.2	2823.6	2883.7	2952.6	3001.7	3093.8	3230.2
67.5°	1663.2	1690.5	1892.4	2228.1	2569.2	2860.5	3071.3	3197.5	3228.2	3263.7	3361.9
70°	1358.3	1356.9	1533.6	1890.4	2380.2	2840.0	3249.3	3358.5	3359.2	3338.0	3367.4
72°	1035.6	1013.8	1150.2	1454.5	2067.1	2730.2	3340.7	3417.2	3391.9	3329.1	3222.0
72.5°	888.9	908.7	1036.9	1369.9	1926.5	2675.6	3350.3	3416.5	3389.2	3320.3	3178.4
75°	450.9	422.3	495.3	734.1	1328.9	2161.9	3281.4	3349.6	3273.2	3187.3	2786.8
77.5°	176.7	181.5	210.1	317.2	646.7	1423.8	2832.5	2981.2	2932.1	2871.4	2198.1
80°	124.2	124.2	140.5	180.8	331.6	578.5	1962.7	2179.0	2254.7	2284.7	1470.1
82.5°	90.1	91.4	107.1	126.2	236.7	277.7	964.0	1210.9	1330.3	1442.2	822.1
85°	83.9	83.9	86.0	84.6	169.2	197.8	350.7	517.1	597.6	700.6	332.2
87.5°	39.6	43.0	63.4	50.5	83.2	122.1	191.0	207.4	212.2	240.8	238.8
90°	25.9	25.9	21.1	21.8	40.9	98.9	153.5	156.9	150.8	176.7	222.4
92.5°	26.6	27.3	19.8	20.5	32.1	90.7	157.6	160.3	155.5	185.6	236.0
95°	24.6	24.6	17.1	17.7	25.2	69.6	157.6	160.3	146.7	184.9	236.0
97.5°	20.5	21.1	13.6	14.3	19.8	34.1	109.2	117.3	93.5	94.1	115.3
100°	17.7	17.7	10.9	11.6	14.3	15.7	55.3	58.0	51.8	23.2	15.7
102.5°	17.7	17.7	9.6	9.6	9.6	8.9	17.1	28.7	23.9	13.6	15.0
105°	17.1	17.7	8.9	7.5	7.5	6.8	8.9	10.9	10.9	10.9	15.7
107.5°	13.6	14.3	6.8	6.8	6.1	6.1	4.8	4.8	6.8	10.2	17.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.9	10.9	5.5	6.1	4.8	5.5	4.1	4.1	6.1	7.5	13.0
112.5°	6.1	6.1	4.1	4.8	4.1	4.8	4.1	4.1	4.8	6.1	8.2
115°	5.5	5.5	3.4	3.4	3.4	3.4	3.4	3.4	4.1	5.5	8.9
117.5°	5.5	5.5	3.4	3.4	3.4	2.7	2.7	3.4	3.4	5.5	8.9
120°	5.5	5.5	3.4	3.4	2.7	2.7	2.7	3.4	3.4	5.5	8.9
122.5°	6.1	5.5	3.4	2.7	2.7	2.7	2.7	2.7	3.4	4.8	8.9
125°	6.1	5.5	4.1	2.7	2.7	2.7	2.7	2.7	3.4	4.8	7.5
127.5°	6.1	6.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	6.8
130°	6.1	5.5	4.1	2.7	2.7	2.7	2.7	2.7	2.7	4.1	6.1
132.5°	5.5	5.5	4.1	2.7	3.4	2.7	2.7	2.7	2.7	3.4	4.8
135°	4.8	4.8	3.4	3.4	3.4	2.7	2.7	2.7	2.7	2.7	4.1
137.5°	4.8	4.8	4.1	3.4	3.4	3.4	2.7	2.7	2.7	2.7	3.4
140°	4.8	4.8	4.1	4.1	4.1	3.4	2.7	2.7	2.7	3.4	3.4
142.5°	5.5	5.5	4.8	4.1	4.1	3.4	2.7	2.7	3.4	3.4	3.4
145°	6.1	6.1	5.5	4.8	4.1	2.7	2.7	3.4	3.4	3.4	4.1
147.5°	6.1	6.1	5.5	4.1	3.4	2.7	2.7	3.4	3.4	4.1	4.1
150°	5.5	5.5	4.8	3.4	2.7	2.0	2.7	2.7	3.4	4.1	4.1
152.5°	4.1	4.1	3.4	2.7	2.0	1.4	2.0	2.7	2.7	3.4	4.1
155°	2.7	2.7	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.7	3.4
157.5°	1.4	1.4	0.7	0.7	1.4	1.4	1.4	2.0	2.0	2.0	2.7
160°	0.7	0.7	0.7	0.7	1.4	1.4	1.4	2.0	2.0	2.0	2.0
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





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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°	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8	5.5	6.1
5°	4.1	4.1	4.1	4.1	4.8	5.5	6.1	6.8	7.5	8.2	8.2
7.5°	4.8	4.8	4.8	5.5	6.1	7.5	17.1	60.0	81.9	89.4	87.3
10°	8.9	8.9	8.2	8.2	9.6	79.8	101.6	110.5	115.3	120.7	120.7
12.5°	70.9	81.9	29.3	16.4	79.1	111.9	120.1	126.2	130.3	135.8	135.8
15°	171.2	174.0	178.7	161.0	155.5	126.9	132.3	179.4	236.0	251.1	252.4
17.5°	192.4	195.8	199.2	236.0	251.1	194.4	223.8	251.7	257.2	262.6	262.6
20°	367.0	372.5	302.2	270.8	264.7	329.5	253.1	259.9	269.5	317.9	322.7
22.5°	416.1	419.6	392.9	410.0	300.2	344.5	332.9	332.9	372.5	375.2	375.9
25°	466.6	485.7	435.2	421.6	427.1	348.6	392.9	354.7	360.2	364.3	365.0
27.5°	680.8	678.1	637.2	482.3	428.4	422.3	381.4	350.0	409.3	425.0	425.7
30°	723.8	717.0	680.2	564.9	444.8	418.2	359.5	404.5	393.6	395.7	396.4
32.5°	995.3	984.4	880.0	571.7	464.6	386.1	390.2	376.6	377.9	420.2	421.6
35°	1063.6	1048.5	901.9	661.1	442.7	391.6	360.9	377.9	384.8	382.7	382.7
37.5°	1155.0	1126.3	895.1	621.5	460.5	366.3	345.2	356.8	352.7	378.6	377.3
40°	1254.6	1214.3	898.5	576.5	417.5	343.8	330.9	341.1	338.4	330.9	325.4
42.5°	1381.5	1311.9	897.8	538.9	377.9	336.3	312.4	311.8	300.2	287.9	283.8
45°	1511.1	1414.9	900.5	496.0	347.9	330.2	302.2	285.8	275.6	262.6	259.2
47.5°	1653.0	1524.7	908.7	461.9	324.7	311.8	289.3	269.5	262.0	245.6	244.2
50°	1820.8	1640.0	911.4	434.6	297.4	295.4	279.7	257.9	246.3	229.9	228.5
52.5°	2001.6	1762.1	916.2	394.3	276.3	289.3	285.2	255.1	250.4	229.2	227.9
55°	2172.8	1878.1	914.8	345.9	266.7	283.8	285.2	272.9	265.4	230.6	227.9
57.5°	2378.8	2003.6	894.4	300.9	251.7	275.6	298.8	288.6	280.4	251.7	246.3
60°	2563.0	2133.2	833.7	266.1	238.8	266.7	310.4	300.2	277.0	258.6	253.1
62.5°	2778.6	2245.1	749.1	240.8	234.0	269.5	314.5	307.7	279.0	272.9	270.8
65°	2924.6	2287.4	620.8	220.4	233.3	269.5	313.1	314.5	294.0	300.2	299.5
67.5°	2942.3	2232.8	470.7	204.7	225.1	269.5	311.1	328.1	307.7	332.9	334.3
70°	2857.1	2096.4	343.1	189.0	216.3	266.1	311.8	337.0	317.9	357.5	354.7
72°	2660.6	1889.7	277.7	178.7	208.8	260.6	316.5	341.8	326.8	363.6	357.5
72.5°	2609.4	1826.3	265.4	177.4	207.4	259.9	317.9	343.1	327.5	369.8	362.2
75°	2183.7	1454.5	227.9	167.1	209.4	256.5	324.7	342.5	331.6	373.8	375.2
77.5°	1654.3	980.3	201.9	158.3	208.8	250.4	322.7	337.0	325.4	359.5	367.0
80°	1024.0	570.3	179.4	157.6	207.4	247.6	313.8	322.7	308.4	335.6	337.7
82.5°	560.1	333.6	155.5	154.9	201.2	240.1	296.8	306.3	292.7	322.7	301.5
85°	286.5	226.5	116.7	126.9	176.0	225.8	277.0	276.3	262.6	273.6	258.6
87.5°	221.0	178.1	75.7	91.4	143.9	186.2	227.9	225.8	208.1	209.4	203.3
90°	203.3	159.0	49.8	64.8	120.1	133.7	158.3	152.1	139.9	142.6	140.5
92.5°	204.7	156.9	47.8	68.9	115.3	120.1	145.3	137.8	125.5	126.9	122.8
95°	199.9	150.8	47.8	60.7	95.5	85.3	104.4	101.6	91.4	86.6	84.6
97.5°	95.5	75.0	44.3	45.0	53.9	46.4	63.4	68.2	54.6	43.7	43.7
100°	16.4	25.2	38.9	45.7	38.9	29.3	40.2	46.4	31.4	14.3	15.7
102.5°	16.4	15.7	30.0	38.9	28.0	15.7	23.2	30.7	19.8	10.9	11.6
105°	17.7	16.4	14.3	26.6	16.4	8.2	8.9	15.7	10.9	10.9	10.9
107.5°	19.1	17.7	10.2	10.2	8.2	7.5	6.8	6.1	7.5	10.9	11.6



REPORT NUMBER: P415835

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.3	14.3	9.6	8.2	7.5	7.5	5.5	5.5	7.5	11.6	11.6
112.5°	10.2	10.2	8.2	6.8	6.1	7.5	5.5	5.5	6.8	11.6	12.3
115°	10.2	10.2	7.5	6.1	5.5	6.1	5.5	4.8	6.8	11.6	12.3
117.5°	10.2	10.2	7.5	5.5	4.8	4.8	4.1	4.8	6.8	11.6	12.3
120°	10.2	10.2	7.5	5.5	4.8	4.1	4.1	4.1	6.8	11.6	12.3
122.5°	9.6	9.6	6.8	4.8	4.1	3.4	3.4	4.1	6.1	10.9	11.6
125°	8.9	8.9	6.1	4.8	4.1	3.4	3.4	3.4	6.1	10.2	10.9
127.5°	8.2	8.2	6.1	4.1	3.4	3.4	3.4	3.4	5.5	9.6	10.2
130°	6.8	6.8	5.5	4.1	3.4	2.7	3.4	3.4	5.5	8.9	8.9
132.5°	5.5	5.5	4.1	3.4	3.4	2.7	2.7	3.4	4.8	7.5	8.2
135°	4.1	4.1	4.1	3.4	3.4	2.7	2.7	2.7	4.1	6.1	6.8
137.5°	3.4	4.1	3.4	3.4	3.4	2.7	2.7	2.7	4.1	5.5	5.5
140°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.7	4.1	4.8	5.5
142.5°	3.4	4.1	3.4	3.4	3.4	2.7	2.7	3.4	4.1	5.5	5.5
145°	4.1	4.1	4.1	3.4	3.4	2.0	2.0	3.4	4.1	5.5	5.5
147.5°	4.1	4.1	4.1	3.4	2.7	2.0	2.0	2.7	4.1	5.5	5.5
150°	4.1	4.1	4.1	3.4	2.7	1.4	1.4	2.7	3.4	4.8	5.5
152.5°	4.1	4.1	3.4	3.4	2.0	1.4	0.7	2.0	2.7	4.1	4.1
155°	3.4	3.4	3.4	2.7	2.0	0.7	0.0	0.7	2.0	3.4	3.4
157.5°	2.7	2.7	2.7	2.0	1.4	0.7	0.0	0.7	0.7	2.0	2.0
160°	2.0	2.0	2.0	2.0	1.4	0.7	0.0	0.0	0.7	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

(END OF REPORT)