

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: P415808

Luminaire Tested: **LXF.LXT-PA1-60-727-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415808  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5976 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

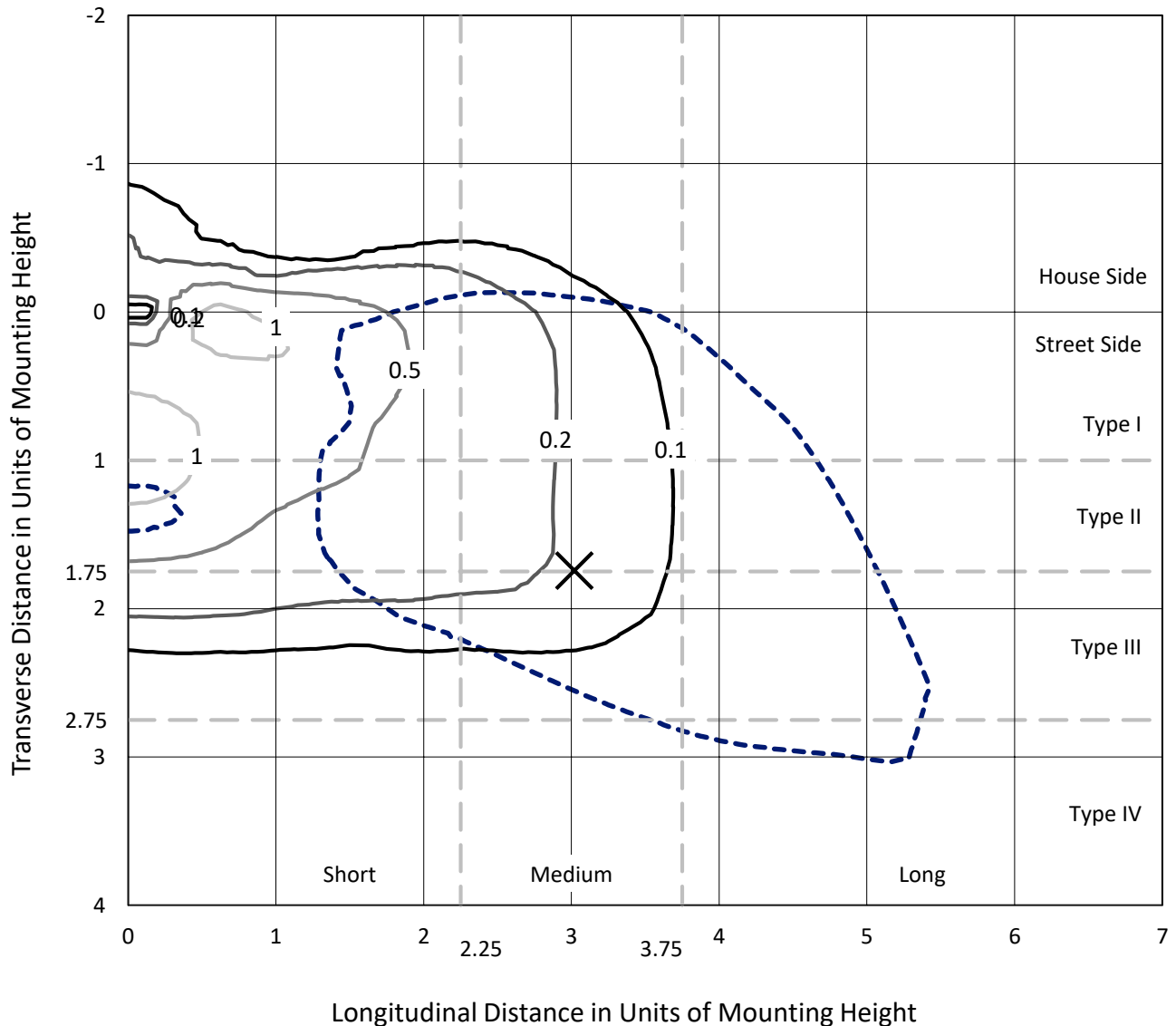
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

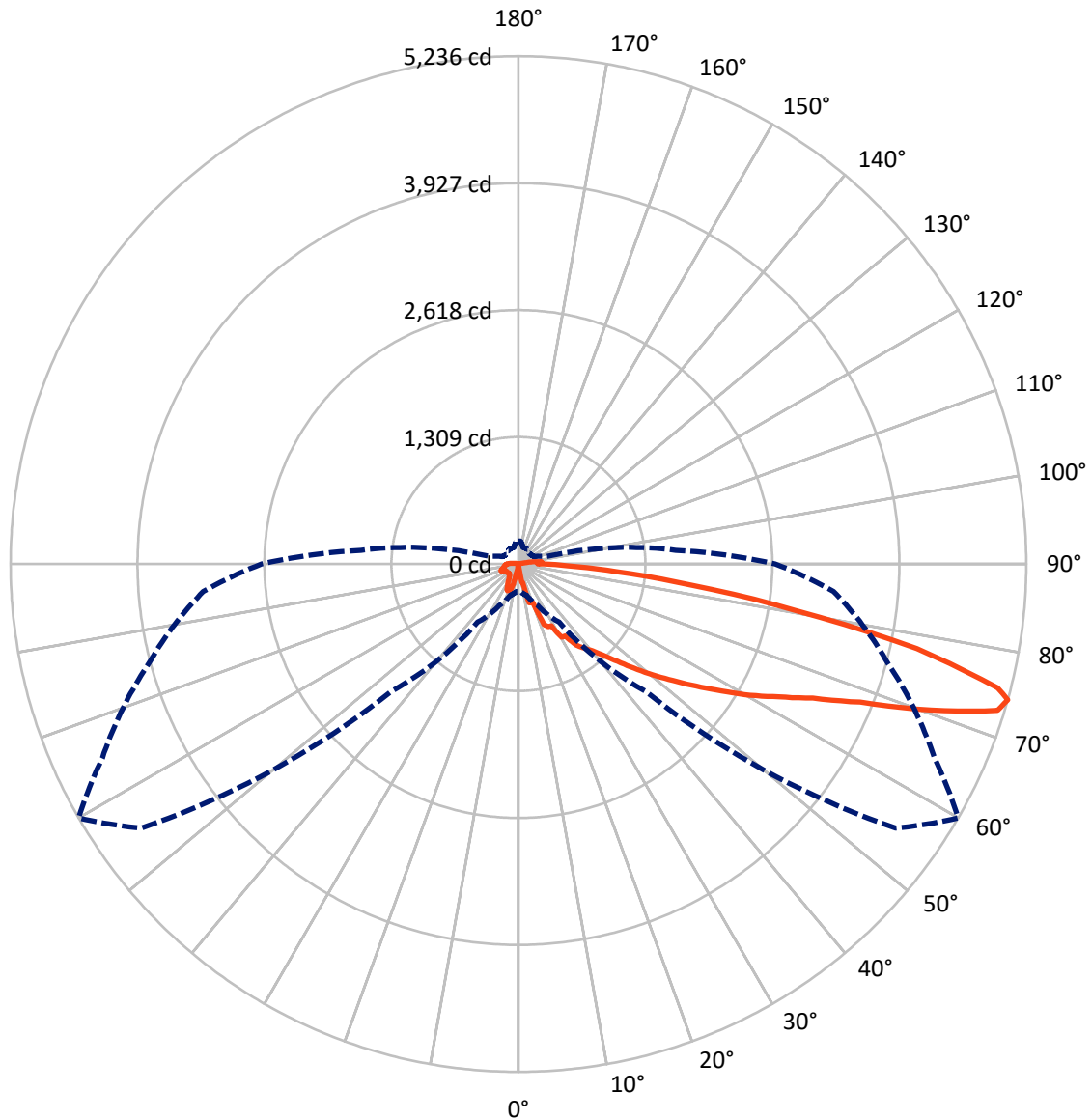
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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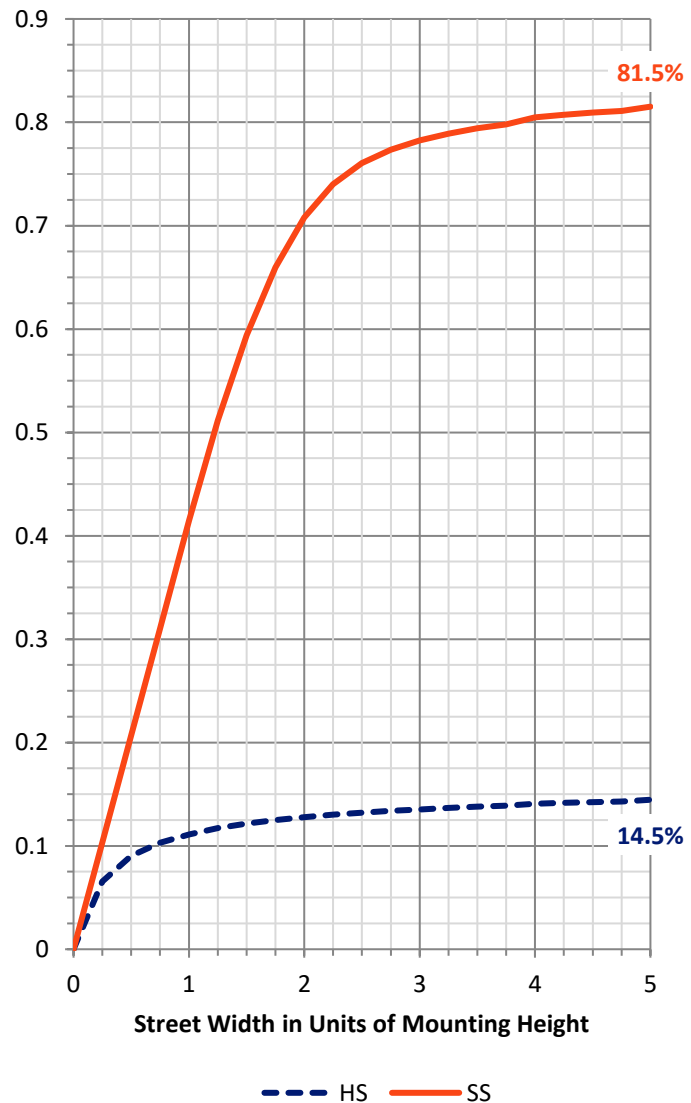
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	917.1	58.1	975.2
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	4938.5	62.3	5000.8
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	5855.6	120.3	5976.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	76.3	1.3
20°-30°	231.1	3.9
30°-40°	462.6	7.7
40°-50°	793.5	13.3
50°-60°	1209.7	20.2
60°-70°	1490.5	24.9
70°-80°	1246.0	20.9
80°-90°	339.3	5.7
90°-100°	87.7	1.5
100°-110°	15.7	0.3
110°-120°	5.8	0.1
120°-130°	4.4	0.1
130°-140°	3.1	0.1
140°-150°	2.5	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5855.6	98.0
0°-180°	5976.0	100.0

**Coefficient of Utilization**



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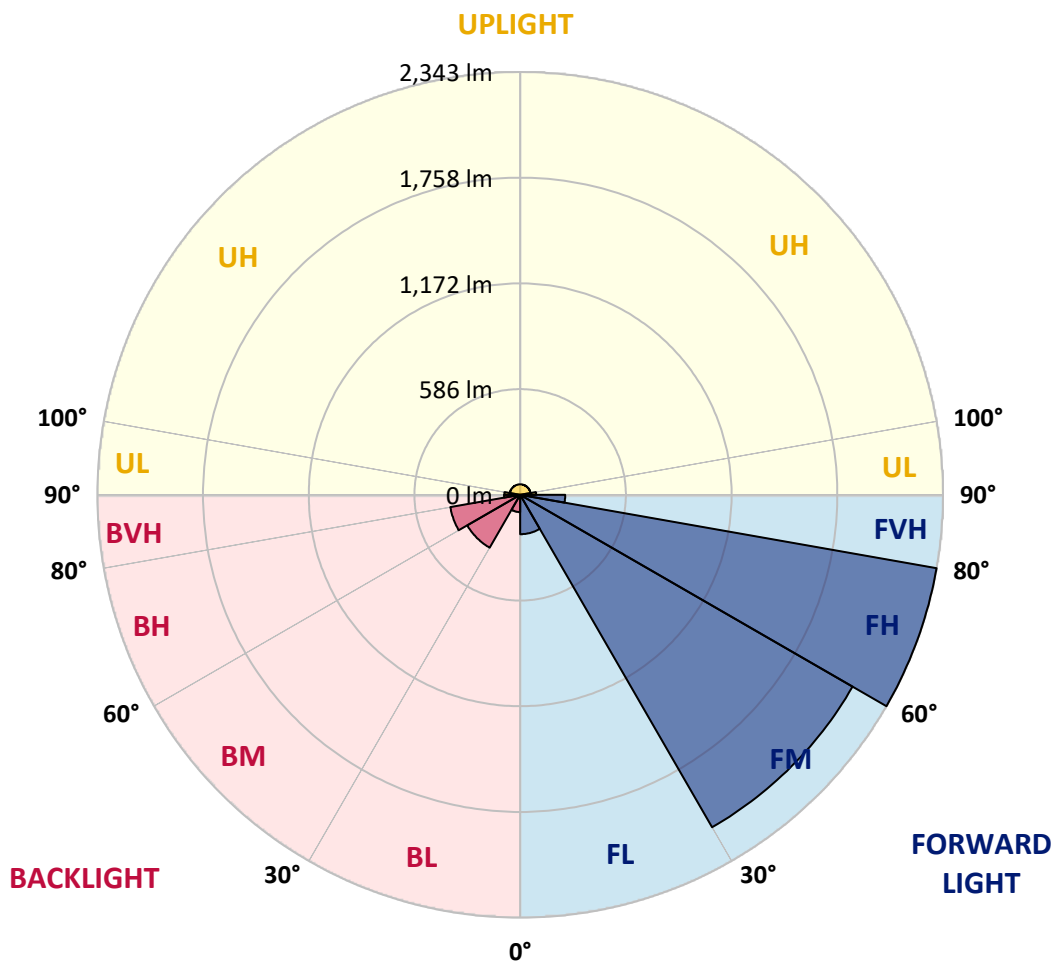
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.2	3.7			
FM	(30°-60°)	2127.4	35.6			
FH	(60°-80°)	2343.4	39.2			G2/5000
FVH	(80°-90°)	249.4	4.2			G3/500
BL	(0°-30°)	95.8	1.6	B0/110		
BM	(30°-60°)	338.4	5.7	B1/1000		
BH	(60°-80°)	393.1	6.6	B1/500		G1/500
BVH	(80°-90°)	89.9	1.5			G1/100
UL	(90°-100°)	87.7	1.5		U3/500	
UH	(100°-180°)	58.1	1.0		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	7.5	6.8	6.1	6.8	7.5	6.8	5.5	4.8	4.1	4.1	4.1
5°	199.2	196.5	195.1	152.1	36.2	22.5	8.9	6.1	5.5	4.1	4.1
7.5°	201.9	199.2	199.9	199.2	195.8	195.8	63.4	23.2	13.0	4.8	4.8
10°	212.8	208.7	203.3	202.6	201.2	199.2	195.8	191.7	43.7	7.5	6.8
12.5°	392.9	390.9	388.2	299.5	216.9	201.9	199.9	195.1	150.1	28.7	132.3
15°	390.2	389.5	384.8	386.8	386.1	219.7	249.0	415.4	399.1	289.2	333.6
17.5°	409.3	407.3	392.9	384.1	384.8	438.6	407.3	410.0	411.4	365.6	357.5
20°	555.3	551.9	550.5	534.8	390.9	515.0	525.3	425.7	435.9	567.6	634.4
22.5°	562.1	557.3	551.9	547.8	616.7	513.0	555.3	678.1	647.4	751.1	708.1
25°	759.3	746.3	692.4	560.8	616.0	590.8	718.3	714.9	676.7	783.8	757.2
27.5°	822.0	813.2	773.6	743.6	628.3	707.4	714.2	721.7	851.4	1081.3	1007.6
30°	1101.0	1032.1	854.1	835.7	749.7	713.6	816.6	875.2	957.8	1086.0	1065.6
32.5°	1260.7	1227.2	1141.3	1009.6	878.0	780.4	885.5	885.5	962.6	1312.5	1347.3
35°	1519.2	1411.4	1243.6	1154.3	1001.4	933.9	912.8	1028.0	1137.9	1378.7	1376.6
37.5°	1612.7	1602.4	1539.7	1265.4	1177.4	1015.8	1064.2	1099.7	1192.5	1474.2	1470.1
40°	1663.8	1686.4	1691.1	1505.6	1307.7	1173.4	1156.3	1176.1	1265.4	1608.6	1556.7
42.5°	1837.1	1845.3	1870.5	1659.1	1502.8	1345.3	1297.5	1289.3	1351.4	1764.8	1671.3
45°	2116.8	2120.9	2102.5	1835.8	1661.8	1515.8	1462.6	1431.2	1485.8	1919.7	1816.7
47.5°	2437.4	2447.0	2358.3	2035.6	1806.4	1680.2	1651.6	1603.1	1637.9	2059.5	1997.4
50°	2692.6	2689.8	2531.6	2197.3	1952.4	1848.7	1839.8	1794.8	1798.9	2229.4	2192.5
52.5°	2758.7	2754.7	2619.6	2316.7	2085.4	2024.0	2064.3	1994.7	1958.5	2405.4	2395.1
55°	2659.1	2666.7	2603.2	2366.5	2170.0	2178.2	2282.6	2222.6	2173.4	2571.8	2588.2
57.5°	2515.2	2506.3	2515.9	2385.6	2236.2	2329.0	2542.5	2467.5	2420.4	2760.1	2778.5
60°	2248.5	2236.2	2359.7	2365.1	2297.6	2499.5	2818.8	2745.8	2679.6	2958.6	2938.8
62.5°	1842.6	1826.9	2050.0	2239.6	2367.9	2699.4	3091.7	3012.5	2948.4	3169.4	3131.9
65°	1226.6	1300.9	1562.2	1965.4	2341.9	2987.3	3452.5	3333.8	3217.2	3385.7	3378.9
67.5°	711.5	764.7	956.4	1397.8	2128.4	3233.5	4024.9	3799.8	3598.5	3630.6	3614.9
70°	441.4	457.7	541.0	806.3	1500.1	3152.4	4659.3	4514.0	4087.6	3903.4	3651.7
72.5°	342.5	353.4	401.1	526.6	912.1	2438.1	4960.8	5164.8	4581.5	3975.1	3470.3
74°	280.4	287.2	337.0	471.4	732.0	1858.9	4746.6	5235.8	4733.0	3940.3	3261.5
75°	221.7	228.5	284.5	452.3	695.8	1483.1	4429.4	5104.1	4737.8	3886.4	3009.8
77.5°	135.8	140.5	153.5	312.4	632.4	847.3	3268.3	4201.6	4198.8	3227.4	2158.4
80°	107.8	109.1	114.6	164.4	515.0	768.1	2069.7	2900.0	2878.8	1937.4	1105.8
82.5°	74.4	79.8	90.7	106.4	274.2	752.4	1305.0	1801.6	1554.0	737.4	462.5
85°	49.8	53.9	68.9	79.1	146.7	800.9	936.6	1013.7	764.7	365.0	304.9
87.5°	20.5	21.1	31.4	38.2	59.3	384.1	630.3	502.1	352.0	231.3	248.3
90°	10.9	10.9	8.2	8.9	21.8	82.5	206.0	199.9	165.8	190.3	233.3
92.5°	12.3	12.3	8.2	8.9	21.1	64.8	223.1	227.8	190.3	202.6	249.7
95°	13.6	13.6	8.2	8.2	20.5	44.3	214.2	240.8	195.8	212.8	251.7
97.5°	15.0	15.7	7.5	7.5	16.4	33.4	134.4	164.4	127.6	110.5	120.7
100°	15.7	15.7	6.8	6.8	10.9	23.9	62.1	79.1	61.4	28.7	19.8
102.5°	15.7	16.4	6.8	6.1	7.5	15.0	19.8	28.7	22.5	17.1	18.4
105°	15.0	16.4	6.8	6.1	6.1	8.2	10.2	11.6	12.3	12.3	19.1
107.5°	11.6	13.0	5.5	6.1	5.5	5.5	4.1	4.8	6.1	10.9	19.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.2	8.2	4.1	5.5	4.8	5.5	3.4	4.1	5.5	8.2	15.7
112.5°	4.1	3.4	2.7	4.1	4.1	4.8	3.4	3.4	4.8	6.8	10.9
115°	2.7	3.4	2.0	2.7	3.4	3.4	2.7	3.4	4.1	6.8	11.6
117.5°	2.7	2.7	2.0	2.7	3.4	2.7	2.7	3.4	4.1	6.8	11.6
120°	3.4	2.7	2.0	2.7	2.7	2.0	2.7	3.4	3.4	6.8	11.6
122.5°	3.4	3.4	2.7	2.7	2.7	2.0	2.7	2.7	3.4	6.8	10.9
125°	4.1	3.4	2.7	2.7	2.7	2.0	2.7	2.7	3.4	6.1	10.2
127.5°	4.1	4.1	2.7	2.7	3.4	2.0	2.7	2.7	3.4	5.5	9.6
130°	4.1	4.1	3.4	2.7	3.4	2.7	2.7	2.7	3.4	4.8	8.2
132.5°	4.1	4.1	3.4	3.4	3.4	2.7	2.7	2.7	2.7	4.1	6.8
135°	4.8	4.1	3.4	3.4	4.1	2.7	2.7	2.7	2.7	3.4	4.8
137.5°	4.8	4.8	4.1	4.1	4.8	3.4	2.7	3.4	3.4	3.4	4.1
140°	5.5	5.5	5.5	4.8	4.8	3.4	3.4	3.4	3.4	4.1	4.1
142.5°	6.8	6.1	6.1	5.5	4.8	3.4	3.4	3.4	4.1	4.1	4.1
145°	7.5	7.5	6.8	6.1	4.8	3.4	3.4	4.1	4.1	4.8	4.8
147.5°	7.5	7.5	6.8	5.5	4.1	2.7	3.4	4.1	4.1	4.8	5.5
150°	7.5	6.8	6.1	4.8	3.4	2.0	2.7	3.4	4.1	4.8	5.5
152.5°	5.5	5.5	4.8	3.4	2.7	1.4	2.0	2.7	3.4	4.1	4.8
155°	3.4	3.4	2.7	2.0	2.0	1.4	2.0	2.7	2.7	3.4	4.1
157.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.7	2.7
160°	0.7	0.7	1.4	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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	4.1	4.1	3.4	3.4	2.0	2.7	2.7	3.4	4.1	4.8
5°	4.1	4.8	4.1	3.4	3.4	2.7	3.4	3.4	3.4	4.8	4.8
7.5°	4.8	4.8	4.1	4.1	3.4	2.7	4.8	147.4	169.2	174.6	176.0
10°	6.1	6.1	5.5	4.8	4.1	158.9	175.3	175.3	174.0	175.3	175.3
12.5°	135.8	146.0	23.2	11.6	131.0	165.1	161.0	158.3	155.5	152.8	151.4
15°	330.2	319.9	293.3	220.3	203.3	151.4	139.2	193.1	206.0	209.4	208.7
17.5°	348.6	332.2	292.0	306.3	268.8	193.7	174.6	173.3	165.8	165.8	166.5
20°	655.6	618.1	398.4	298.8	233.3	234.7	149.4	133.0	139.2	148.0	153.5
22.5°	673.3	624.2	465.9	388.8	210.1	189.6	146.0	128.9	174.0	191.7	193.1
25°	718.3	639.9	472.1	327.4	237.4	155.5	145.3	134.4	159.6	176.0	174.6
27.5°	972.8	863.0	599.6	301.5	187.6	146.7	137.1	128.9	158.9	185.6	184.9
30°	971.4	850.7	553.9	277.6	154.9	136.4	124.8	140.5	148.0	158.3	158.9
32.5°	1261.4	1081.3	605.8	230.6	137.1	118.0	123.5	128.3	134.4	160.3	165.8
35°	1267.5	1057.4	526.0	211.5	126.2	112.6	116.0	126.9	139.8	156.2	157.6
37.5°	1292.1	1045.1	436.6	174.6	129.6	113.9	120.7	133.0	129.6	152.1	154.9
40°	1337.1	1048.5	367.0	156.2	127.6	113.9	126.2	128.3	128.9	140.5	141.9
42.5°	1406.7	1066.9	308.3	148.0	125.5	123.5	122.1	122.8	118.0	141.2	143.9
45°	1505.6	1105.1	263.3	145.3	125.5	143.9	127.6	122.8	112.6	162.4	174.0
47.5°	1651.6	1180.2	236.7	146.0	126.2	137.8	126.2	119.4	117.3	189.6	197.8
50°	1816.7	1266.1	219.0	148.7	126.2	135.8	124.2	122.8	130.3	192.4	194.4
52.5°	1994.0	1380.7	212.8	151.4	135.8	137.8	141.2	140.5	125.5	154.2	154.2
55°	2174.1	1499.4	214.9	154.9	143.3	141.2	150.8	133.0	107.8	114.6	113.2
57.5°	2344.0	1637.9	229.2	152.8	138.5	139.8	152.1	124.8	107.8	114.6	117.3
60°	2528.2	1788.0	268.8	147.4	136.4	135.8	150.1	131.7	107.8	131.7	132.3
62.5°	2752.6	1994.7	354.7	152.8	147.4	139.8	150.8	145.3	123.5	126.2	128.9
65°	3018.0	2208.2	436.6	174.0	155.5	140.5	148.7	152.8	139.8	135.1	134.4
67.5°	3212.4	2260.8	440.0	201.9	166.5	148.0	150.1	166.5	152.8	155.5	154.2
70°	3163.3	2117.5	381.3	213.5	173.3	154.2	154.2	172.6	161.0	184.9	185.6
72.5°	2923.2	1838.5	322.0	197.8	164.4	156.2	171.2	178.7	171.2	222.4	219.7
74°	2647.6	1628.4	296.1	180.1	161.0	155.5	176.0	178.7	176.7	237.4	235.4
75°	2436.1	1463.3	281.7	169.9	158.9	153.5	177.4	179.4	178.7	239.4	238.8
77.5°	1683.6	988.5	246.3	151.4	155.5	153.5	176.7	183.5	188.3	238.1	236.0
80°	863.6	541.0	205.3	143.3	154.2	157.6	174.6	177.4	184.9	225.1	223.1
82.5°	433.2	311.8	150.8	131.7	156.2	171.2	175.3	171.9	174.0	207.4	204.0
85°	279.0	215.6	100.3	110.5	158.9	185.6	174.6	160.3	163.0	180.8	179.4
87.5°	224.4	159.6	61.4	86.0	169.2	169.9	159.6	141.9	138.5	141.9	139.8
90°	207.4	148.0	51.8	81.2	163.7	141.9	130.3	116.0	103.7	104.4	100.3
92.5°	223.1	154.9	55.3	80.5	130.3	99.6	95.5	88.0	73.0	64.8	60.7
95°	219.7	148.7	55.9	68.2	95.5	56.6	67.5	62.1	45.0	34.1	32.1
97.5°	105.7	75.0	49.8	53.2	55.9	43.0	57.3	52.5	32.7	21.1	19.8
100°	19.8	28.0	44.3	50.5	44.3	33.4	45.0	40.2	17.7	10.9	10.2
102.5°	19.1	15.7	33.4	45.7	28.0	19.1	24.6	22.5	11.6	8.2	8.2
105°	19.8	15.7	15.7	31.4	17.1	8.9	7.5	10.9	8.2	8.2	8.9
107.5°	20.5	15.7	9.6	10.2	8.2	6.8	5.5	5.5	6.1	8.9	9.6



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CATALOG NUMBER: LXF.LXT-PA1-60-727-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	16.4	13.6	8.9	8.2	7.5	6.8	5.5	4.8	6.1	9.6	10.2
112.5°	11.6	10.9	8.2	6.8	6.1	6.1	4.8	4.1	6.1	10.2	10.9
115°	11.6	10.9	6.8	6.1	4.8	5.5	4.8	4.1	6.1	11.6	12.3
117.5°	12.3	10.2	6.8	5.5	4.1	4.1	4.1	4.1	6.8	11.6	12.3
120°	12.3	10.2	6.8	4.8	4.1	3.4	4.1	4.1	6.8	11.6	13.0
122.5°	11.6	10.2	6.1	4.8	4.1	3.4	3.4	3.4	6.1	11.6	12.3
125°	10.9	9.6	6.1	4.8	4.1	2.7	3.4	3.4	6.1	10.9	12.3
127.5°	10.2	8.9	6.1	4.8	3.4	2.7	3.4	3.4	6.1	10.2	11.6
130°	8.9	8.2	5.5	4.1	3.4	2.7	3.4	3.4	6.1	9.6	10.9
132.5°	7.5	6.8	4.8	4.1	3.4	2.7	3.4	2.7	4.8	8.9	9.6
135°	5.5	5.5	4.8	3.4	3.4	2.0	2.7	2.7	4.1	6.8	7.5
137.5°	4.8	4.8	4.1	3.4	3.4	2.0	2.7	2.0	3.4	5.5	6.1
140°	4.8	4.8	4.1	3.4	2.7	2.0	2.0	2.0	2.7	4.8	4.8
142.5°	4.8	4.8	4.1	3.4	2.7	2.0	2.0	2.0	2.7	4.1	4.8
145°	4.8	4.8	4.8	4.1	2.7	2.0	2.0	2.0	2.7	4.1	4.1
147.5°	5.5	5.5	4.8	3.4	2.7	1.4	1.4	2.0	2.7	4.1	4.1
150°	5.5	5.5	4.8	3.4	2.7	1.4	0.7	1.4	2.0	3.4	4.1
152.5°	4.8	4.8	4.1	3.4	2.0	1.4	0.7	1.4	2.0	3.4	3.4
155°	4.1	4.1	3.4	2.7	2.0	0.7	0.0	0.7	1.4	2.7	2.7
157.5°	2.7	3.4	2.7	2.0	1.4	0.7	0.0	0.7	0.7	2.0	2.0
160°	2.7	2.7	2.7	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)