

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: P415822

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415822  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
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-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5760 lumens  
Efficiency: N/A  
Efficacy: 90.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

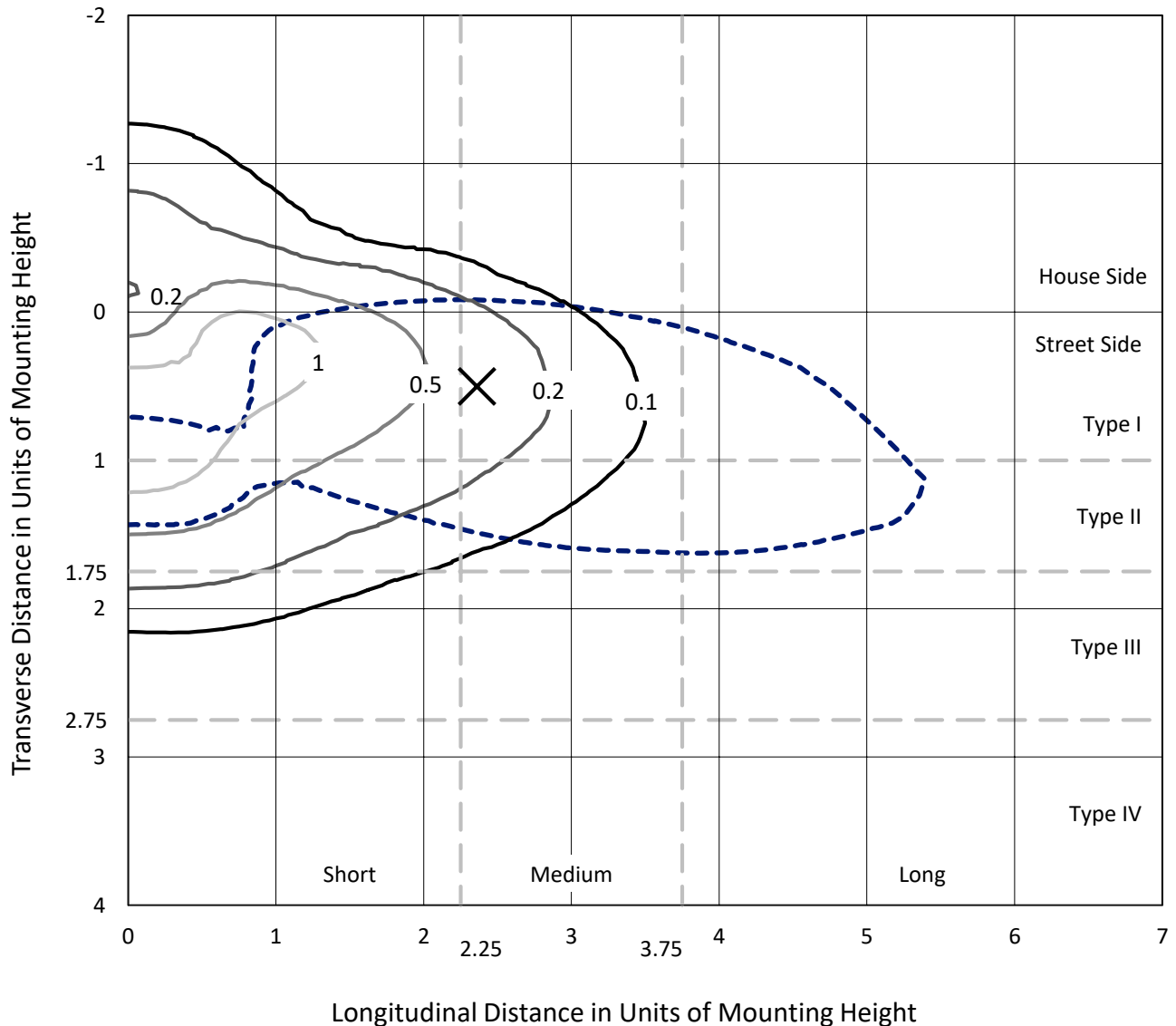
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

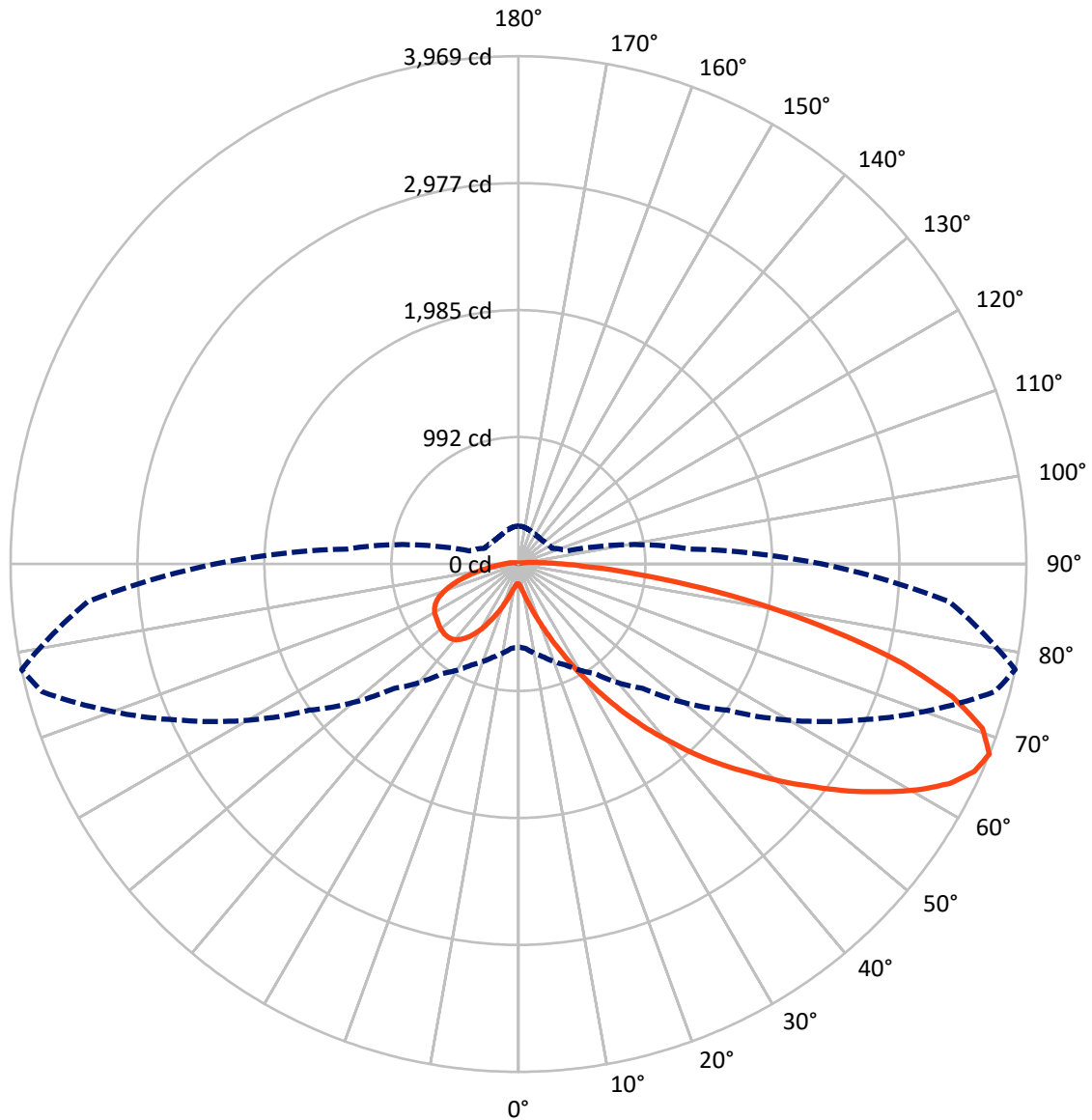


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1094.5	88.9	1183.3
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	4486.6	90.1	4576.7
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	5581.1	178.9	5760.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.9	0.3
10°-20°	89.4	1.6
20°-30°	272.7	4.7
30°-40°	610.0	10.6
40°-50°	1005.1	17.5
50°-60°	1237.1	21.5
60°-70°	1199.9	20.8
70°-80°	830.9	14.4
80°-90°	318.1	5.5
90°-100°	91.3	1.6
100°-110°	39.6	0.7
110°-120°	21.3	0.4
120°-130°	13.2	0.2
130°-140°	8.2	0.1
140°-150°	4.0	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5581.1	96.9
0°-180°	5760.0	100.0

**Coefficient of Utilization**



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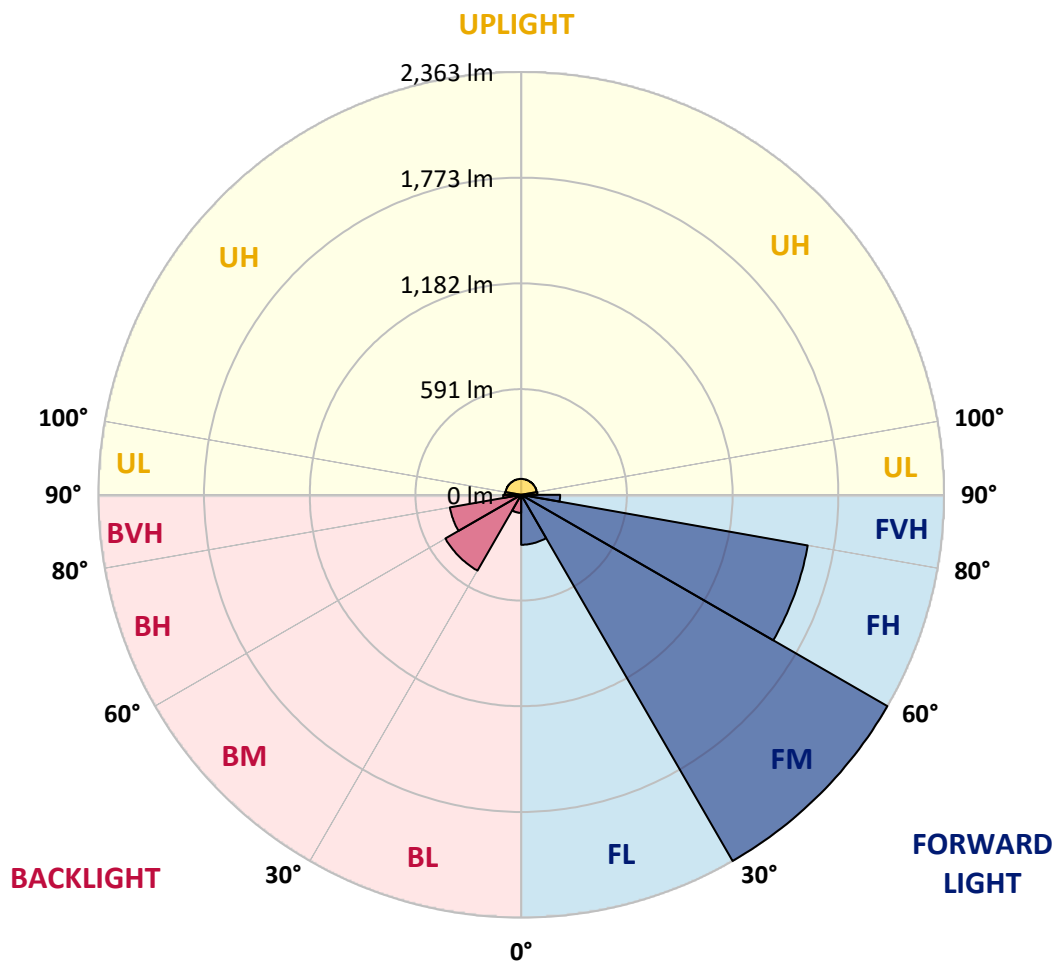
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2R-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	279.2	4.8			
FM	(30°-60°)	2363.3	41.0			
FH	(60°-80°)	1626.4	28.2			G1/1800
FVH	(80°-90°)	217.7	3.8			G2/225
BL	(0°-30°)	100.8	1.8	B0/110		
BM	(30°-60°)	488.9	8.5	B1/1000		
BH	(60°-80°)	404.4	7.0	B1/500		G1/500
BVH	(80°-90°)	100.4	1.7			G2/225
UL	(90°-100°)	91.3	1.6		U3/500	
UH	(100°-180°)	88.9	1.5		U3/500	

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

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	186.9	185.6	185.6	184.9	182.1	179.4	175.3	170.5	166.5	163.7	161.0
5°	227.2	222.4	223.8	219.7	214.9	209.4	201.9	191.7	182.1	180.1	172.6
7.5°	275.6	269.5	271.5	266.7	257.9	246.3	236.0	221.0	206.7	201.9	191.0
10°	337.0	330.9	327.5	320.6	310.4	295.4	279.7	259.9	240.1	233.3	219.7
12.5°	410.0	405.2	400.4	390.9	374.5	355.4	335.6	313.8	287.9	279.0	257.9
15°	500.7	496.6	486.4	473.4	449.6	428.4	398.4	378.6	346.6	335.6	309.7
17.5°	602.4	594.2	584.0	564.9	537.6	511.0	485.7	452.3	417.5	408.6	376.6
20°	727.9	725.2	705.4	673.3	643.3	607.2	582.6	549.8	511.0	498.7	456.4
22.5°	876.6	871.2	848.0	799.5	754.5	708.1	688.3	654.2	626.3	609.2	553.9
25°	1055.3	1045.1	1006.9	948.9	884.8	829.5	796.8	784.5	762.7	736.8	669.2
27.5°	1245.7	1246.4	1193.8	1107.9	1018.5	952.3	927.1	931.9	905.3	890.9	808.4
30°	1481.0	1464.0	1395.1	1289.3	1168.6	1083.3	1068.3	1092.2	1084.7	1056.7	959.2
32.5°	1716.4	1710.3	1625.0	1480.4	1322.1	1228.6	1217.7	1269.6	1267.5	1239.5	1115.4
35°	1951.1	1944.2	1838.5	1670.0	1482.4	1375.3	1365.7	1434.0	1458.5	1430.6	1291.4
37.5°	2187.1	2171.4	2065.0	1860.3	1634.5	1509.7	1513.8	1599.7	1657.0	1631.8	1461.3
40°	2395.2	2392.4	2268.3	2035.7	1781.2	1646.1	1673.4	1786.7	1856.9	1822.1	1633.8
42.5°	2554.8	2543.2	2433.4	2181.0	1912.9	1773.7	1820.8	1970.8	2060.9	2037.0	1803.7
45°	2628.5	2621.7	2533.7	2290.8	2015.2	1884.2	1958.6	2141.4	2264.2	2238.3	1978.4
47.5°	2608.7	2602.6	2554.8	2344.7	2082.7	1979.0	2080.0	2307.2	2477.7	2442.9	2152.3
50°	2490.0	2496.1	2481.1	2329.0	2106.6	2039.8	2195.3	2472.9	2686.5	2670.1	2320.1
52.5°	2273.1	2290.8	2314.7	2247.1	2084.8	2067.0	2278.5	2616.9	2893.9	2893.2	2506.4
55°	1991.3	2003.6	2086.8	2074.5	2001.5	2066.4	2339.9	2758.8	3127.2	3130.6	2698.7
57.5°	1692.5	1686.4	1796.9	1861.0	1880.1	2013.8	2369.9	2884.3	3333.2	3357.1	2902.0
60°	1365.7	1388.3	1492.0	1622.9	1694.6	1910.1	2359.7	2973.0	3531.7	3584.2	3086.9
62.5°	1109.9	1099.7	1213.6	1356.2	1501.5	1761.4	2285.3	3014.6	3720.7	3779.3	3257.5
65°	838.4	859.6	962.6	1088.8	1261.4	1573.8	2165.3	2992.8	3837.3	3912.4	3364.6
67.5°	646.7	663.1	751.1	869.8	1045.8	1374.6	1992.0	2891.1	3855.1	3969.0	3379.6
70°	500.0	513.0	575.1	676.1	843.9	1154.9	1748.5	2697.4	3758.2	3846.9	3241.8
72.5°	398.4	403.9	447.5	529.4	666.5	942.1	1483.8	2393.1	3465.5	3544.7	2959.3
75°	313.1	321.3	356.8	418.2	520.5	753.1	1212.9	2022.0	3020.1	3101.9	2569.8
77.5°	249.0	257.2	283.8	326.8	403.9	580.5	947.6	1647.5	2465.4	2515.9	2047.3
80°	197.8	201.9	224.4	256.5	313.8	447.5	713.6	1250.5	1867.2	1919.7	1521.3
82.5°	150.1	153.5	176.0	204.0	244.9	339.0	515.7	879.3	1315.3	1329.6	1032.8
85°	107.8	113.9	132.3	155.5	187.6	252.4	369.7	596.9	839.1	860.9	654.2
87.5°	76.4	79.1	97.6	119.4	143.3	186.9	257.2	392.9	516.4	510.3	397.0
90°	51.8	53.9	70.3	88.0	109.2	139.8	179.4	247.0	317.2	307.0	249.0
92.5°	34.8	38.2	51.8	66.9	85.3	107.8	127.6	161.7	196.5	186.9	158.3
95°	25.9	27.3	39.6	53.2	68.2	82.5	94.8	110.5	125.5	122.8	109.2
97.5°	20.5	21.8	32.1	43.7	55.3	66.9	73.7	79.1	87.3	86.6	78.5
100°	17.7	18.4	27.3	37.5	47.8	55.9	60.0	61.4	64.1	62.8	60.0
102.5°	15.0	16.4	23.9	32.7	41.6	47.8	50.5	49.1	48.4	47.1	44.3
105°	13.6	14.3	21.1	29.3	36.8	41.6	42.3	40.2	36.8	36.2	34.8
107.5°	13.0	13.6	19.1	26.6	32.7	36.8	36.2	33.4	29.3	28.0	27.3
110°	12.3	13.0	17.7	23.9	30.0	32.7	32.1	28.0	23.2	21.8	22.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	12.3	12.3	16.4	21.8	27.3	29.3	28.0	23.9	19.1	18.4	19.1
115°	11.6	12.3	15.7	20.5	24.6	26.6	24.6	20.5	16.4	15.7	16.4
117.5°	11.6	12.3	15.0	19.1	23.2	23.9	21.8	17.7	13.6	13.6	15.0
120°	11.6	12.3	14.3	17.7	21.1	21.8	19.8	15.7	12.3	12.3	13.6
122.5°	12.3	12.3	13.6	17.1	19.8	20.5	17.7	13.6	11.6	11.6	13.0
125°	12.3	12.3	13.6	15.7	18.4	18.4	16.4	12.3	10.2	10.2	12.3
127.5°	12.3	12.3	13.6	15.0	17.1	17.1	15.0	11.6	9.6	9.6	11.6
130°	12.3	13.0	13.0	14.3	15.7	15.7	13.6	10.2	9.6	9.6	10.9
132.5°	13.0	13.0	13.0	13.6	15.0	14.3	11.6	9.6	8.9	8.9	10.2
135°	12.3	12.3	12.3	13.0	13.6	13.0	10.2	8.2	8.2	8.9	9.6
137.5°	12.3	12.3	12.3	11.6	12.3	11.6	9.6	7.5	7.5	8.2	8.9
140°	10.9	11.6	10.9	10.9	10.9	10.2	8.2	6.1	6.8	7.5	7.5
142.5°	10.2	10.2	10.2	9.6	9.6	8.9	6.8	5.5	6.1	6.1	6.8
145°	9.6	9.6	8.9	8.2	8.2	6.8	5.5	4.8	5.5	5.5	6.1
147.5°	8.2	8.2	8.2	6.8	6.1	5.5	3.4	3.4	4.1	4.8	4.8
150°	6.8	6.8	6.8	6.1	4.8	4.1	2.7	3.4	3.4	3.4	4.1
152.5°	5.5	5.5	5.5	4.8	4.1	2.7	2.0	2.7	2.7	2.7	3.4
155°	3.4	3.4	3.4	3.4	2.7	1.4	2.0	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
160°	0.7	0.7	1.4	1.4	2.0	1.4	1.4	1.4	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°	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9	156.9
2.5°	159.0	156.9	153.5	150.1	146.7	143.3	140.5	139.8	137.8	137.8	137.1
5°	168.5	165.1	156.2	149.4	141.9	135.8	131.0	128.9	126.9	125.5	125.5
7.5°	185.6	178.1	165.1	153.5	143.3	134.4	128.3	124.8	122.1	120.7	120.7
10°	208.8	199.2	179.4	162.4	147.4	136.4	129.6	125.5	123.5	122.1	121.4
12.5°	242.9	229.2	200.6	176.0	156.9	143.3	134.4	131.7	132.3	132.3	132.3
15°	289.2	269.5	230.6	197.2	169.9	152.1	146.0	146.0	148.0	148.7	147.4
17.5°	349.3	322.7	268.1	218.3	186.2	167.8	161.0	161.0	164.4	166.5	166.5
20°	423.0	384.8	307.7	246.3	205.3	185.6	177.4	178.1	182.1	184.9	184.9
22.5°	507.6	462.5	358.2	274.9	226.5	201.2	192.4	193.1	199.9	203.3	204.7
25°	617.4	547.8	408.6	304.3	246.3	216.3	207.4	208.1	216.9	221.7	221.7
27.5°	733.4	642.6	459.8	332.9	263.3	229.9	221.0	223.1	232.6	236.7	238.1
30°	856.8	743.6	511.0	357.5	277.0	240.1	231.3	235.4	244.2	250.4	251.0
32.5°	994.0	842.5	551.9	377.3	288.6	249.0	240.1	246.3	253.8	260.6	261.3
35°	1137.2	940.7	588.0	390.9	296.1	256.5	247.0	253.1	260.6	266.7	266.1
37.5°	1265.5	1021.2	611.9	396.4	300.2	260.6	251.7	257.9	264.7	269.5	269.5
40°	1391.7	1105.1	623.5	392.3	300.2	262.6	253.8	260.6	266.7	269.5	269.5
42.5°	1511.7	1167.2	621.5	384.1	298.8	263.3	255.1	261.3	266.7	268.1	268.1
45°	1615.4	1224.5	609.2	370.4	294.0	262.6	255.8	261.3	265.4	265.4	266.1
47.5°	1738.2	1269.6	591.5	356.1	288.6	261.3	254.5	260.6	264.0	264.0	263.3
50°	1848.7	1313.2	567.6	340.4	283.8	259.9	253.8	259.9	264.0	262.6	262.6
52.5°	1966.1	1352.1	543.0	326.1	279.0	259.2	253.8	259.9	264.0	263.3	264.0
55°	2074.5	1391.0	512.3	313.1	276.3	258.6	254.5	260.6	266.1	266.1	265.4
57.5°	2213.7	1411.5	488.4	304.3	273.6	258.6	255.1	262.0	268.8	269.5	270.1
60°	2311.9	1438.1	468.7	298.8	273.6	259.9	257.2	264.0	272.9	276.3	278.3
62.5°	2383.6	1436.7	444.8	296.1	274.2	261.3	259.2	266.1	277.7	282.4	285.2
65°	2421.1	1412.1	420.2	294.0	274.9	262.6	260.6	267.4	281.1	289.9	292.7
67.5°	2372.0	1346.0	395.0	290.6	274.2	262.0	261.3	268.8	283.1	294.7	296.1
70°	2252.6	1234.1	365.0	283.1	271.5	259.9	259.2	265.4	281.1	294.7	296.1
72.5°	2026.1	1092.2	330.2	272.2	265.4	255.1	253.1	259.2	274.2	287.9	287.9
75°	1723.2	927.8	296.1	256.5	253.1	247.0	244.9	248.3	261.3	274.2	274.9
77.5°	1349.4	738.8	259.9	234.7	238.1	233.3	231.3	233.3	244.9	253.8	254.5
80°	1026.7	562.8	225.1	208.8	216.9	215.6	213.5	212.8	221.0	227.9	225.8
82.5°	708.1	400.4	186.2	181.5	190.3	192.4	191.7	186.9	193.1	198.5	195.1
85°	457.1	283.1	155.5	153.5	161.7	165.1	164.4	161.0	162.4	168.5	161.7
87.5°	295.4	203.3	128.3	126.9	133.7	137.8	137.8	131.0	133.7	139.8	132.3
90°	184.9	143.9	107.1	106.4	111.2	113.2	110.5	106.4	107.8	111.2	108.5
92.5°	131.0	108.5	89.4	89.4	90.7	92.1	90.7	86.0	88.7	88.7	88.7
95°	95.5	86.0	77.8	76.4	75.7	75.0	74.4	70.9	73.7	73.0	70.9
97.5°	73.0	68.9	66.2	65.5	64.1	63.4	62.8	60.0	62.1	60.7	59.4
100°	57.3	56.6	56.6	56.6	55.3	53.2	53.2	52.5	52.5	50.5	50.5
102.5°	45.7	45.7	48.4	49.1	47.8	46.4	46.4	45.7	45.0	42.3	41.6
105°	36.2	37.5	41.6	42.3	41.6	40.2	39.6	39.6	38.2	34.8	34.8
107.5°	29.3	30.7	35.5	36.8	36.2	35.5	34.8	34.1	32.7	29.3	29.3
110°	23.9	25.9	30.0	32.1	31.4	30.7	30.7	29.3	28.0	25.2	25.2



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CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.5	22.5	25.9	28.0	28.0	27.3	26.6	25.9	23.9	21.8	21.8
115°	17.7	19.8	23.2	24.6	24.6	23.9	23.2	22.5	20.5	19.1	19.8
117.5°	16.4	17.7	20.5	21.8	21.8	21.1	20.5	19.8	18.4	17.7	17.7
120°	15.0	16.4	18.4	19.8	19.8	19.1	18.4	17.7	16.4	16.4	16.4
122.5°	13.6	15.0	17.1	17.7	17.7	17.1	16.4	15.7	14.3	15.0	15.0
125°	13.0	13.6	15.0	16.4	16.4	15.7	15.0	13.6	13.0	13.6	13.6
127.5°	12.3	13.0	14.3	15.0	15.0	14.3	13.0	12.3	11.6	12.3	12.3
130°	11.6	12.3	13.0	13.6	13.6	12.3	11.6	10.9	10.9	11.6	11.6
132.5°	10.9	11.6	11.6	12.3	12.3	11.6	10.2	9.6	9.6	10.2	10.2
135°	10.2	10.2	10.9	10.9	10.9	10.2	8.9	8.2	8.9	9.6	9.6
137.5°	8.9	9.6	9.6	10.2	9.6	8.9	7.5	7.5	8.2	8.2	8.2
140°	8.2	8.2	8.9	8.9	8.2	7.5	6.8	6.1	6.8	7.5	7.5
142.5°	7.5	7.5	7.5	7.5	7.5	6.1	5.5	5.5	6.1	6.1	6.1
145°	6.1	6.1	6.8	6.1	6.1	4.8	4.1	4.8	5.5	5.5	5.5
147.5°	4.8	5.5	5.5	5.5	4.8	3.4	2.7	4.1	4.8	4.8	4.8
150°	4.1	4.1	4.1	4.1	4.1	2.7	2.0	3.4	4.1	4.1	4.1
152.5°	3.4	3.4	4.1	4.1	3.4	2.0	1.4	2.7	3.4	3.4	2.7
155°	2.7	2.7	3.4	3.4	2.7	1.4	1.4	2.0	2.7	2.7	2.0
157.5°	2.0	2.7	2.7	2.7	2.0	1.4	0.7	1.4	2.0	2.0	2.0
160°	2.0	2.0	2.0	2.7	2.0	1.4	0.7	1.4	2.0	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)