

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: P415860

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415860  
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-PA1-60-730-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 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: 6508 lumens  
Efficiency: N/A  
Efficacy: 101.7 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

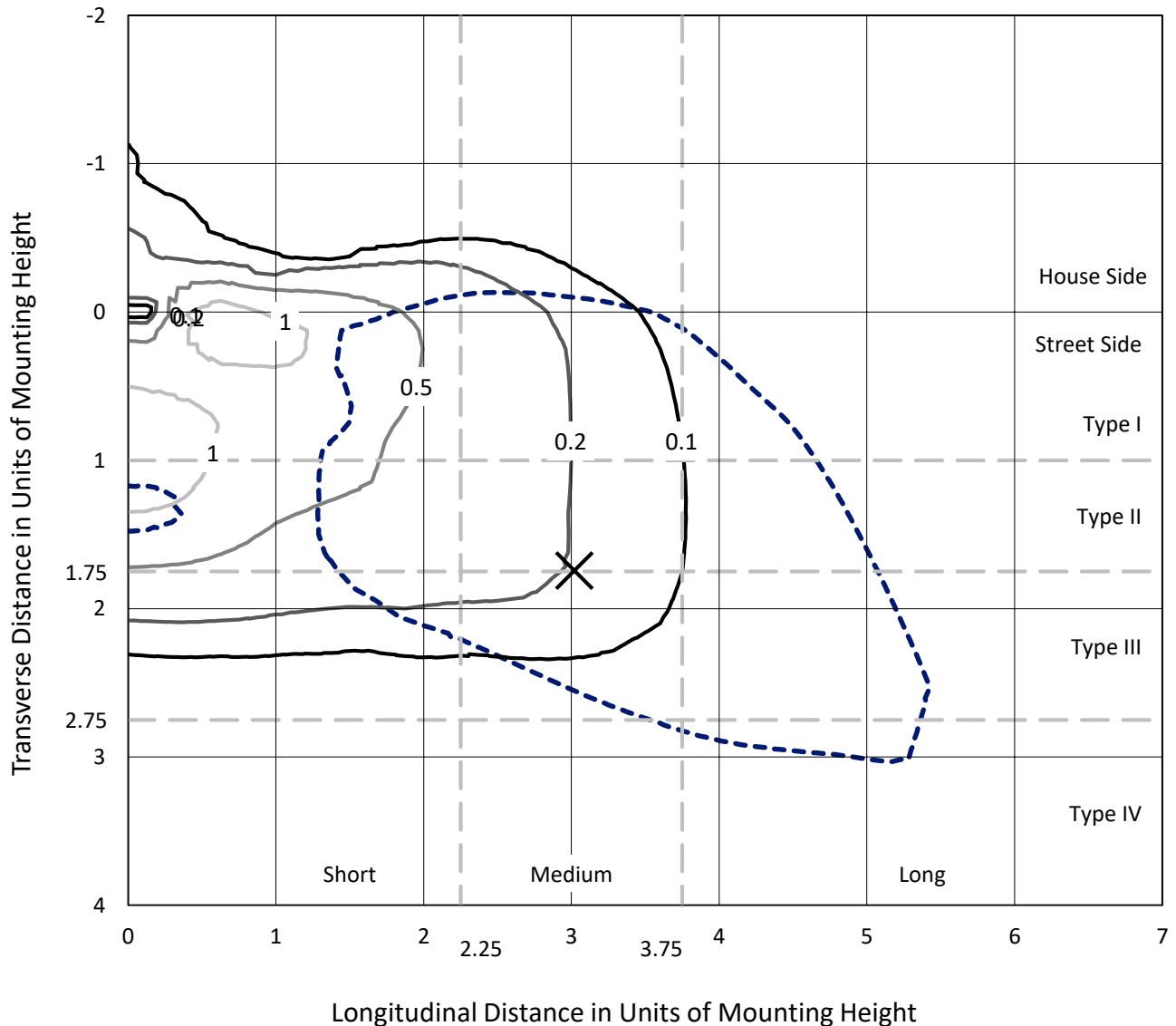
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

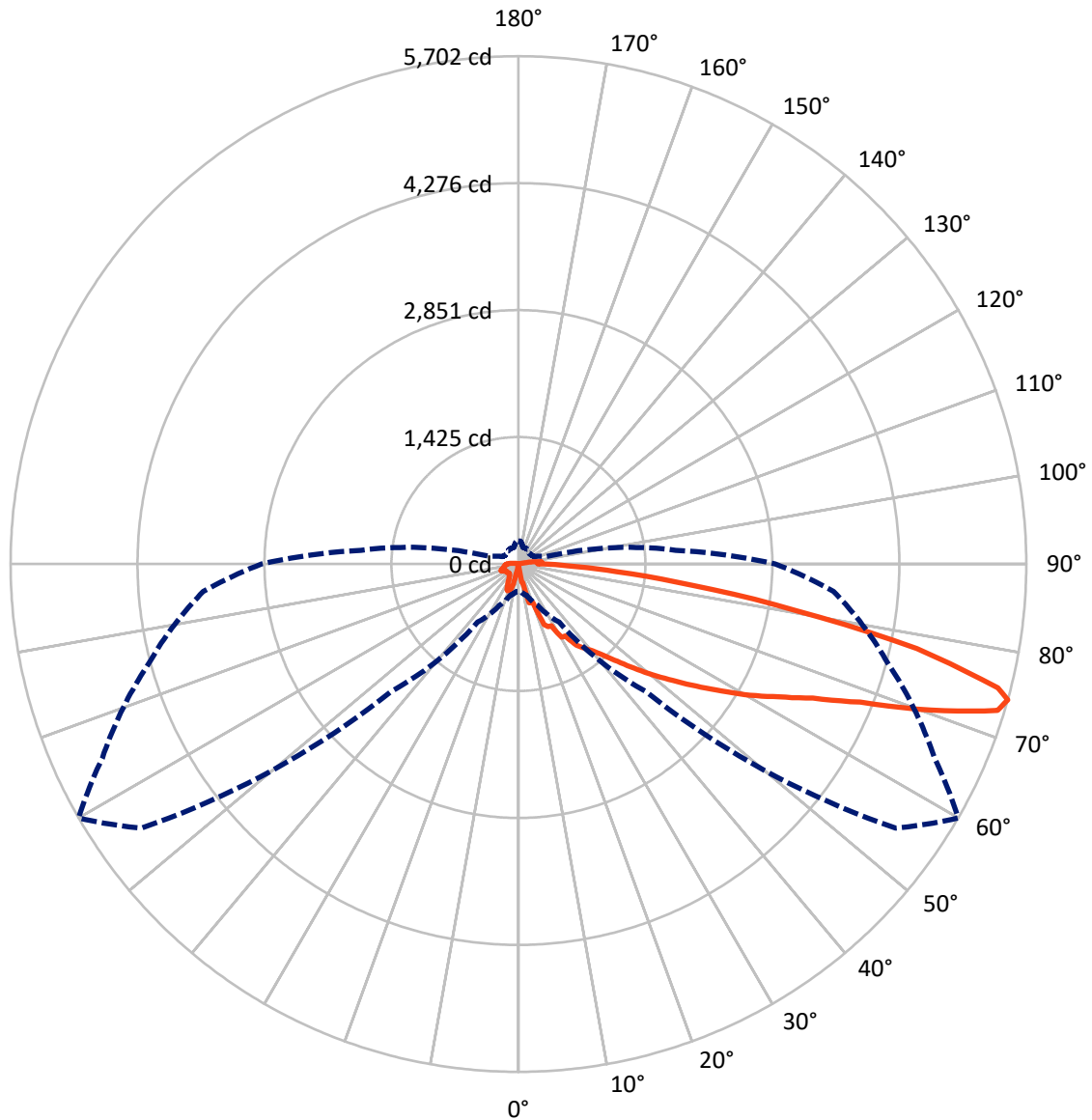
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	998.8	63.2	1062.0
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	5378.2	67.8	5446.0
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	6377.0	131.1	6508.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.2	0.1
10°-20°	83.1	1.3
20°-30°	251.7	3.9
30°-40°	503.7	7.7
40°-50°	864.2	13.3
50°-60°	1317.4	20.2
60°-70°	1623.2	24.9
70°-80°	1357.0	20.9
80°-90°	369.6	5.7
90°-100°	95.5	1.5
100°-110°	17.1	0.3
110°-120°	6.3	0.1
120°-130°	4.8	0.1
130°-140°	3.3	0.1
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6377.0	98.0
0°-180°	6508.0	100.0

**Coefficient of Utilization**



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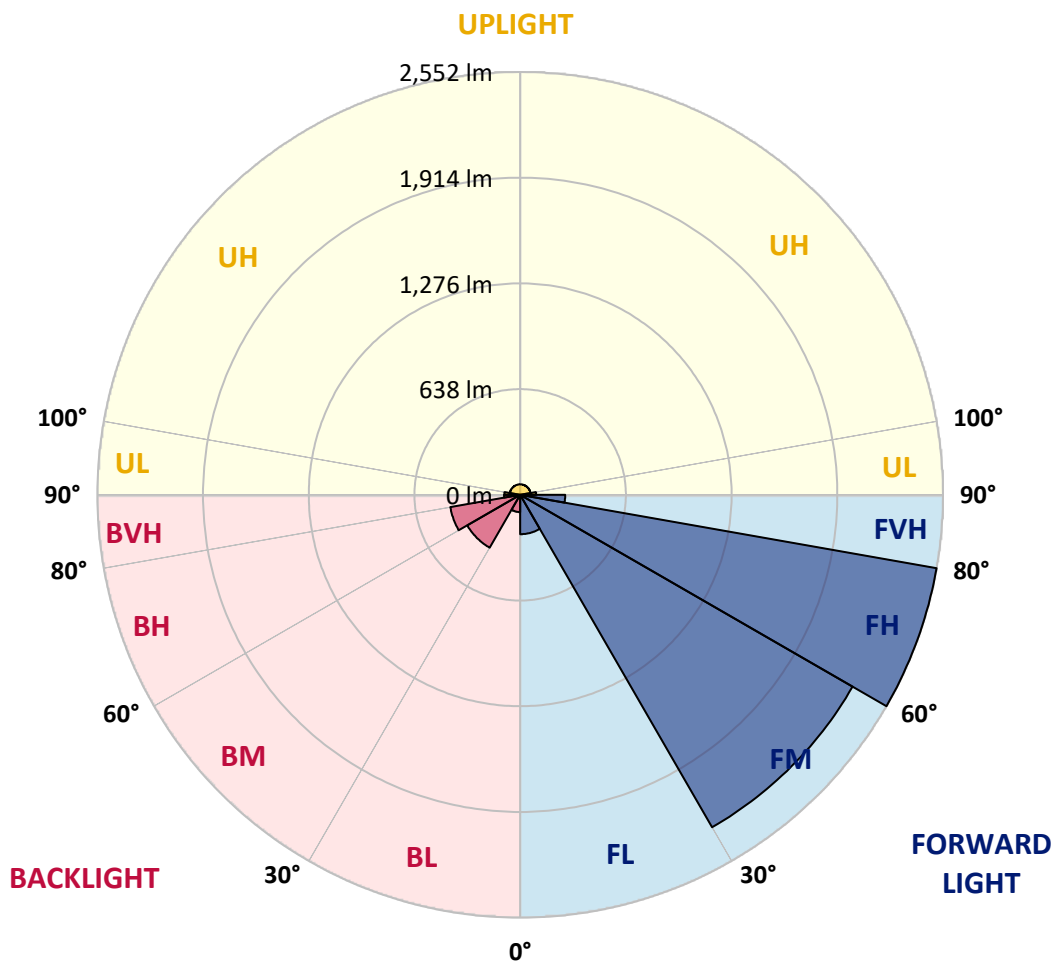
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.7	3.7			
FM (30°-60°)	2316.8	35.6			
FH (60°-80°)	2552.1	39.2			G2/5000
FVH (80°-90°)	271.7	4.2			G3/500
BL (0°-30°)	104.3	1.6	B0/110		
BM (30°-60°)	368.5	5.7	B1/1000		
BH (60°-80°)	428.1	6.6	B1/500		G1/500
BVH (80°-90°)	97.9	1.5			G1/100
UL (90°-100°)	95.5	1.5		U3/500	
UH (100°-180°)	63.2	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	8.2	7.4	6.7	7.4	8.2	7.4	5.9	5.2	4.5	4.5	4.5
5°	216.9	214.0	212.5	165.7	39.4	24.5	9.7	6.7	5.9	4.5	4.5
7.5°	219.9	216.9	217.7	216.9	213.2	213.2	69.1	25.3	14.1	5.2	5.2
10°	231.8	227.3	221.4	220.6	219.2	216.9	213.2	208.8	47.5	8.2	7.4
12.5°	427.9	425.7	422.7	326.1	236.2	219.9	217.7	212.5	163.4	31.2	144.1
15°	424.9	424.2	419.0	421.2	420.5	239.2	271.2	452.4	434.6	315.0	363.3
17.5°	445.7	443.5	427.9	418.3	419.0	477.7	443.5	446.5	448.0	398.2	389.3
20°	604.7	601.0	599.5	582.4	425.7	560.9	572.0	463.6	474.7	618.1	690.9
22.5°	612.2	607.0	601.0	596.6	671.6	558.7	604.7	738.5	705.0	817.9	771.1
25°	826.9	812.7	754.1	610.7	670.8	643.4	782.3	778.6	737.0	853.6	824.6
27.5°	895.2	885.6	842.5	809.8	684.2	770.4	777.8	786.0	927.2	1177.5	1097.3
30°	1199.1	1124.0	930.1	910.1	816.5	777.1	889.3	953.2	1043.0	1182.7	1160.4
32.5°	1372.9	1336.5	1242.9	1099.5	956.1	849.9	964.3	964.3	1048.2	1429.4	1467.3
35°	1654.5	1537.1	1354.3	1257.0	1090.6	1017.0	994.0	1119.6	1239.2	1501.4	1499.2
37.5°	1756.2	1745.1	1676.8	1378.1	1282.3	1106.2	1158.9	1197.6	1298.6	1605.4	1601.0
40°	1812.0	1836.5	1841.7	1639.6	1424.2	1277.8	1259.2	1280.8	1378.1	1751.8	1695.3
42.5°	2000.7	2009.6	2037.1	1806.8	1636.6	1465.0	1413.0	1404.1	1471.7	1921.9	1820.1
45°	2305.3	2309.7	2289.7	1999.2	1809.7	1650.8	1592.8	1558.6	1618.1	2090.6	1978.4
47.5°	2654.4	2664.8	2568.2	2216.9	1967.2	1829.8	1798.6	1745.8	1783.7	2242.9	2175.2
50°	2932.3	2929.3	2756.9	2392.9	2126.2	2013.3	2003.6	1954.6	1959.1	2427.8	2387.7
52.5°	3004.3	2999.9	2852.8	2522.9	2271.1	2204.2	2248.1	2172.3	2132.9	2619.5	2608.4
55°	2895.9	2904.0	2835.0	2577.2	2363.2	2372.1	2485.8	2420.4	2366.9	2800.8	2818.6
57.5°	2739.1	2729.5	2739.9	2598.0	2435.3	2536.3	2768.8	2687.1	2635.9	3005.8	3025.9
60°	2448.6	2435.3	2569.7	2575.7	2502.1	2722.0	3069.7	2990.2	2918.2	3222.0	3200.5
62.5°	2006.6	1989.5	2232.5	2439.0	2578.6	2939.7	3366.9	3280.7	3210.9	3451.6	3410.7
65°	1335.8	1416.7	1701.3	2140.3	2550.4	3253.2	3759.9	3630.6	3503.6	3687.1	3679.6
67.5°	774.9	832.8	1041.6	1522.2	2317.9	3521.4	4383.2	4138.0	3918.9	3953.8	3936.7
70°	480.7	498.5	589.1	878.1	1633.7	3433.0	5074.1	4915.9	4451.5	4250.9	3976.8
72.5°	372.9	384.8	436.8	573.5	993.3	2655.2	5402.5	5624.6	4989.4	4329.0	3779.2
74°	305.3	312.8	367.0	513.4	797.1	2024.4	5169.2	5701.9	5154.3	4291.1	3551.9
75°	241.4	248.9	309.8	492.6	757.8	1615.1	4823.7	5558.5	5159.5	4232.4	3277.7
77.5°	147.8	153.0	167.2	340.3	688.7	922.7	3559.3	4575.6	4572.6	3514.7	2350.6
80°	117.4	118.9	124.8	179.0	560.9	836.5	2254.0	3158.1	3135.1	2109.9	1204.3
82.5°	81.0	86.9	98.8	115.9	298.7	819.4	1421.2	1962.0	1692.4	803.1	503.7
85°	54.2	58.7	75.0	86.2	159.7	872.2	1020.0	1104.0	832.8	397.5	332.1
87.5°	22.3	23.0	34.2	41.6	64.6	418.3	686.5	546.8	383.3	251.8	270.4
90°	11.9	11.9	8.9	9.7	23.8	89.9	224.4	217.7	180.5	207.3	254.1
92.5°	13.4	13.4	8.9	9.7	23.0	70.6	242.9	248.1	207.3	220.6	271.9
95°	14.9	14.9	8.9	8.9	22.3	48.3	233.3	262.2	213.2	231.8	274.1
97.5°	16.3	17.1	8.2	8.2	17.8	36.4	146.4	179.0	138.9	120.4	131.5
100°	17.1	17.1	7.4	7.4	11.9	26.0	67.6	86.2	66.9	31.2	21.5
102.5°	17.1	17.8	7.4	6.7	8.2	16.3	21.5	31.2	24.5	18.6	20.1
105°	16.3	17.8	7.4	6.7	6.7	8.9	11.1	12.6	13.4	13.4	20.8
107.5°	12.6	14.1	5.9	6.7	5.9	5.9	4.5	5.2	6.7	11.9	20.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.9	8.9	4.5	5.9	5.2	5.9	3.7	4.5	5.9	8.9	17.1
112.5°	4.5	3.7	3.0	4.5	4.5	5.2	3.7	3.7	5.2	7.4	11.9
115°	3.0	3.7	2.2	3.0	3.7	3.7	3.0	3.7	4.5	7.4	12.6
117.5°	3.0	3.0	2.2	3.0	3.7	3.0	3.0	3.7	4.5	7.4	12.6
120°	3.7	3.0	2.2	3.0	3.0	2.2	3.0	3.7	3.7	7.4	12.6
122.5°	3.7	3.7	3.0	3.0	3.0	2.2	3.0	3.0	3.7	7.4	11.9
125°	4.5	3.7	3.0	3.0	3.0	2.2	3.0	3.0	3.7	6.7	11.1
127.5°	4.5	4.5	3.0	3.0	3.7	2.2	3.0	3.0	3.7	5.9	10.4
130°	4.5	4.5	3.7	3.0	3.7	3.0	3.0	3.0	3.7	5.2	8.9
132.5°	4.5	4.5	3.7	3.7	3.7	3.0	3.0	3.0	3.0	4.5	7.4
135°	5.2	4.5	3.7	3.7	4.5	3.0	3.0	3.0	3.0	3.7	5.2
137.5°	5.2	5.2	4.5	4.5	5.2	3.7	3.0	3.7	3.7	3.7	4.5
140°	5.9	5.9	5.9	5.2	5.2	3.7	3.7	3.7	3.7	4.5	4.5
142.5°	7.4	6.7	6.7	5.9	5.2	3.7	3.7	3.7	4.5	4.5	4.5
145°	8.2	8.2	7.4	6.7	5.2	3.7	3.7	4.5	4.5	5.2	5.2
147.5°	8.2	8.2	7.4	5.9	4.5	3.0	3.7	4.5	4.5	5.2	5.9
150°	8.2	7.4	6.7	5.2	3.7	2.2	3.0	3.7	4.5	5.2	5.9
152.5°	5.9	5.9	5.2	3.7	3.0	1.5	2.2	3.0	3.7	4.5	5.2
155°	3.7	3.7	3.0	2.2	2.2	1.5	2.2	3.0	3.0	3.7	4.5
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	3.0	3.0
160°	0.7	0.7	1.5	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	4.5	4.5	4.5	3.7	3.7	2.2	3.0	3.0	3.7	4.5	5.2
5°	4.5	5.2	4.5	3.7	3.7	3.0	3.7	3.7	3.7	5.2	5.2
7.5°	5.2	5.2	4.5	4.5	3.7	3.0	5.2	160.5	184.2	190.2	191.7
10°	6.7	6.7	5.9	5.2	4.5	173.1	190.9	190.9	189.4	190.9	190.9
12.5°	147.8	159.0	25.3	12.6	142.6	179.8	175.3	172.4	169.4	166.4	164.9
15°	359.6	348.4	319.5	240.0	221.4	164.9	151.6	210.2	224.4	228.1	227.3
17.5°	379.6	361.8	318.0	333.6	292.7	211.0	190.2	188.7	180.5	180.5	181.3
20°	713.9	673.1	433.9	325.4	254.1	255.6	162.7	144.9	151.6	161.2	167.2
22.5°	733.3	679.8	507.4	423.5	228.8	206.5	159.0	140.4	189.4	208.8	210.2
25°	782.3	696.9	514.1	356.6	258.5	169.4	158.2	146.4	173.8	191.7	190.2
27.5°	1059.4	939.8	653.0	328.4	204.3	159.7	149.3	140.4	173.1	202.1	201.3
30°	1057.9	926.4	603.2	302.4	168.6	148.6	136.0	153.0	161.2	172.4	173.1
32.5°	1373.6	1177.5	659.7	251.1	149.3	128.5	134.5	139.7	146.4	174.6	180.5
35°	1380.3	1151.5	572.8	230.3	137.4	122.6	126.3	138.2	152.3	170.1	171.6
37.5°	1407.1	1138.1	475.5	190.2	141.2	124.1	131.5	144.9	141.2	165.7	168.6
40°	1456.1	1141.9	399.7	170.1	138.9	124.1	137.4	139.7	140.4	153.0	154.5
42.5°	1531.9	1161.9	335.8	161.2	136.7	134.5	133.0	133.7	128.5	153.8	156.8
45°	1639.6	1203.5	286.8	158.2	136.7	156.8	138.9	133.7	122.6	176.8	189.4
47.5°	1798.6	1285.2	257.8	159.0	137.4	150.1	137.4	130.0	127.8	206.5	215.4
50°	1978.4	1378.8	238.5	162.0	137.4	147.8	135.2	133.7	141.9	209.5	211.7
52.5°	2171.5	1503.7	231.8	164.9	147.8	150.1	153.8	153.0	136.7	167.9	167.9
55°	2367.7	1632.9	234.0	168.6	156.0	153.8	164.2	144.9	117.4	124.8	123.3
57.5°	2552.6	1783.7	249.6	166.4	150.8	152.3	165.7	136.0	117.4	124.8	127.8
60°	2753.2	1947.2	292.7	160.5	148.6	147.8	163.4	143.4	117.4	143.4	144.1
62.5°	2997.7	2172.3	386.3	166.4	160.5	152.3	164.2	158.2	134.5	137.4	140.4
65°	3286.6	2404.8	475.5	189.4	169.4	153.0	162.0	166.4	152.3	147.1	146.4
67.5°	3498.4	2462.0	479.2	219.9	181.3	161.2	163.4	181.3	166.4	169.4	167.9
70°	3444.9	2306.0	415.3	232.5	188.7	167.9	167.9	188.0	175.3	201.3	202.1
72.5°	3183.4	2002.1	350.7	215.4	179.0	170.1	186.5	194.6	186.5	242.2	239.2
74°	2883.2	1773.3	322.4	196.1	175.3	169.4	191.7	194.6	192.4	258.5	256.3
75°	2652.9	1593.5	306.8	185.0	173.1	167.2	193.2	195.4	194.6	260.8	260.0
77.5°	1833.5	1076.5	268.2	164.9	169.4	167.2	192.4	199.8	205.0	259.3	257.0
80°	940.5	589.1	223.6	156.0	167.9	171.6	190.2	193.2	201.3	245.2	242.9
82.5°	471.7	339.5	164.2	143.4	170.1	186.5	190.9	187.2	189.4	225.8	222.1
85°	303.9	234.8	109.2	120.4	173.1	202.1	190.2	174.6	177.6	196.9	195.4
87.5°	244.4	173.8	66.9	93.6	184.2	185.0	173.8	154.5	150.8	154.5	152.3
90°	225.8	161.2	56.5	88.4	178.3	154.5	141.9	126.3	112.9	113.7	109.2
92.5°	242.9	168.6	60.2	87.7	141.9	108.5	104.0	95.8	79.5	70.6	66.1
95°	239.2	162.0	60.9	74.3	104.0	61.7	73.5	67.6	49.0	37.1	34.9
97.5°	115.2	81.7	54.2	57.9	60.9	46.8	62.4	57.2	35.7	23.0	21.5
100°	21.5	30.5	48.3	55.0	48.3	36.4	49.0	43.8	19.3	11.9	11.1
102.5°	20.8	17.1	36.4	49.8	30.5	20.8	26.7	24.5	12.6	8.9	8.9
105°	21.5	17.1	17.1	34.2	18.6	9.7	8.2	11.9	8.9	8.9	9.7
107.5°	22.3	17.1	10.4	11.1	8.9	7.4	5.9	5.9	6.7	9.7	10.4



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CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.8	14.9	9.7	8.9	8.2	7.4	5.9	5.2	6.7	10.4	11.1
112.5°	12.6	11.9	8.9	7.4	6.7	6.7	5.2	4.5	6.7	11.1	11.9
115°	12.6	11.9	7.4	6.7	5.2	5.9	5.2	4.5	6.7	12.6	13.4
117.5°	13.4	11.1	7.4	5.9	4.5	4.5	4.5	4.5	7.4	12.6	13.4
120°	13.4	11.1	7.4	5.2	4.5	3.7	4.5	4.5	7.4	12.6	14.1
122.5°	12.6	11.1	6.7	5.2	4.5	3.7	3.7	3.7	6.7	12.6	13.4
125°	11.9	10.4	6.7	5.2	4.5	3.0	3.7	3.7	6.7	11.9	13.4
127.5°	11.1	9.7	6.7	5.2	3.7	3.0	3.7	3.7	6.7	11.1	12.6
130°	9.7	8.9	5.9	4.5	3.7	3.0	3.7	3.7	6.7	10.4	11.9
132.5°	8.2	7.4	5.2	4.5	3.7	3.0	3.7	3.0	5.2	9.7	10.4
135°	5.9	5.9	5.2	3.7	3.7	2.2	3.0	3.0	4.5	7.4	8.2
137.5°	5.2	5.2	4.5	3.7	3.7	2.2	3.0	2.2	3.7	5.9	6.7
140°	5.2	5.2	4.5	3.7	3.0	2.2	2.2	2.2	3.0	5.2	5.2
142.5°	5.2	5.2	4.5	3.7	3.0	2.2	2.2	2.2	3.0	4.5	5.2
145°	5.2	5.2	5.2	4.5	3.0	2.2	2.2	2.2	3.0	4.5	4.5
147.5°	5.9	5.9	5.2	3.7	3.0	1.5	1.5	2.2	3.0	4.5	4.5
150°	5.9	5.9	5.2	3.7	3.0	1.5	0.7	1.5	2.2	3.7	4.5
152.5°	5.2	5.2	4.5	3.7	2.2	1.5	0.7	1.5	2.2	3.7	3.7
155°	4.5	4.5	3.7	3.0	2.2	0.7	0.0	0.7	1.5	3.0	3.0
157.5°	3.0	3.7	3.0	2.2	1.5	0.7	0.0	0.7	0.7	2.2	2.2
160°	3.0	3.0	3.0	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
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)