

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: P415471

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415471  
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-PA1-50-730-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA 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: 5801 lumens  
Efficiency: N/A  
Efficacy: 107.4 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

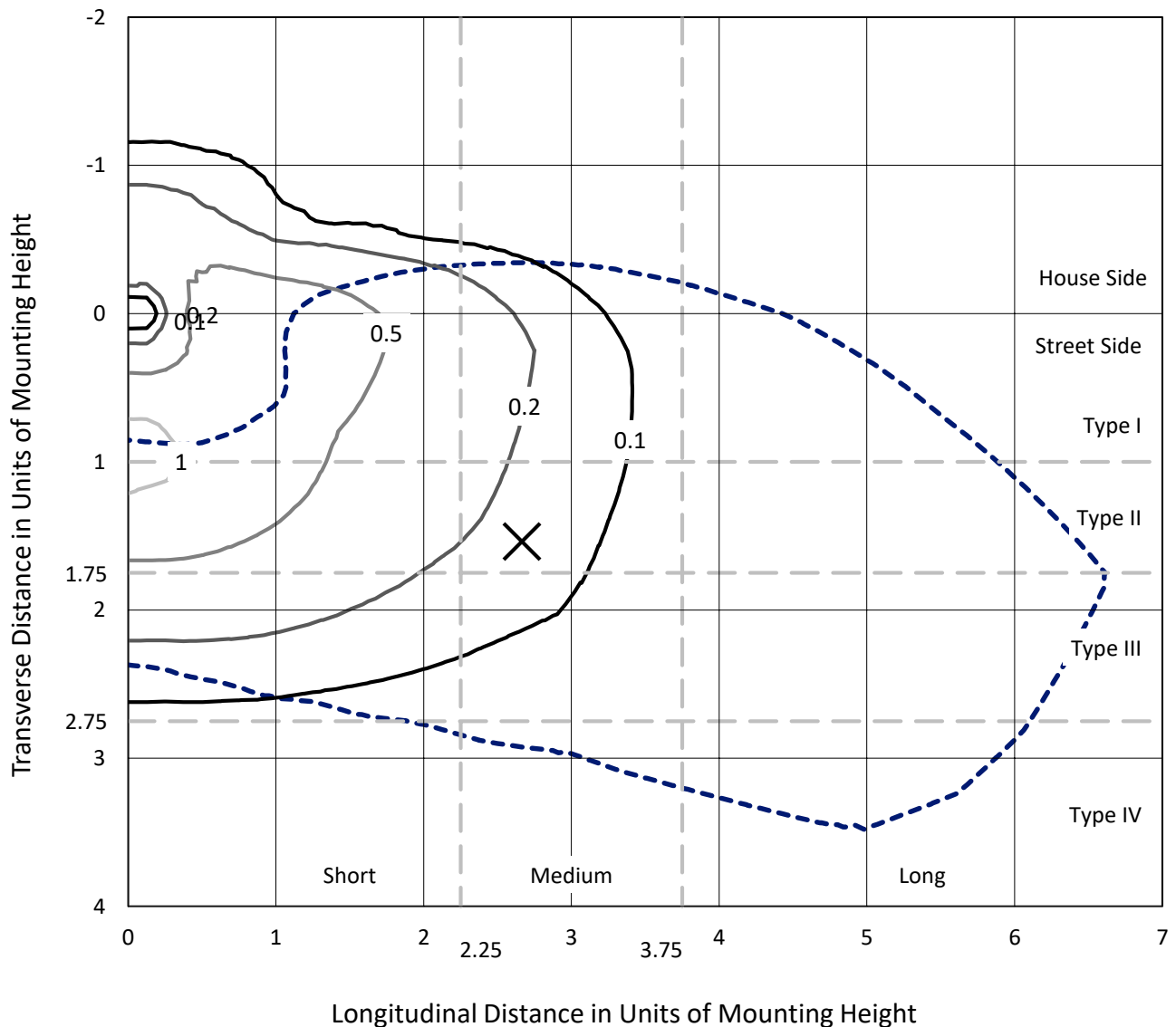
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

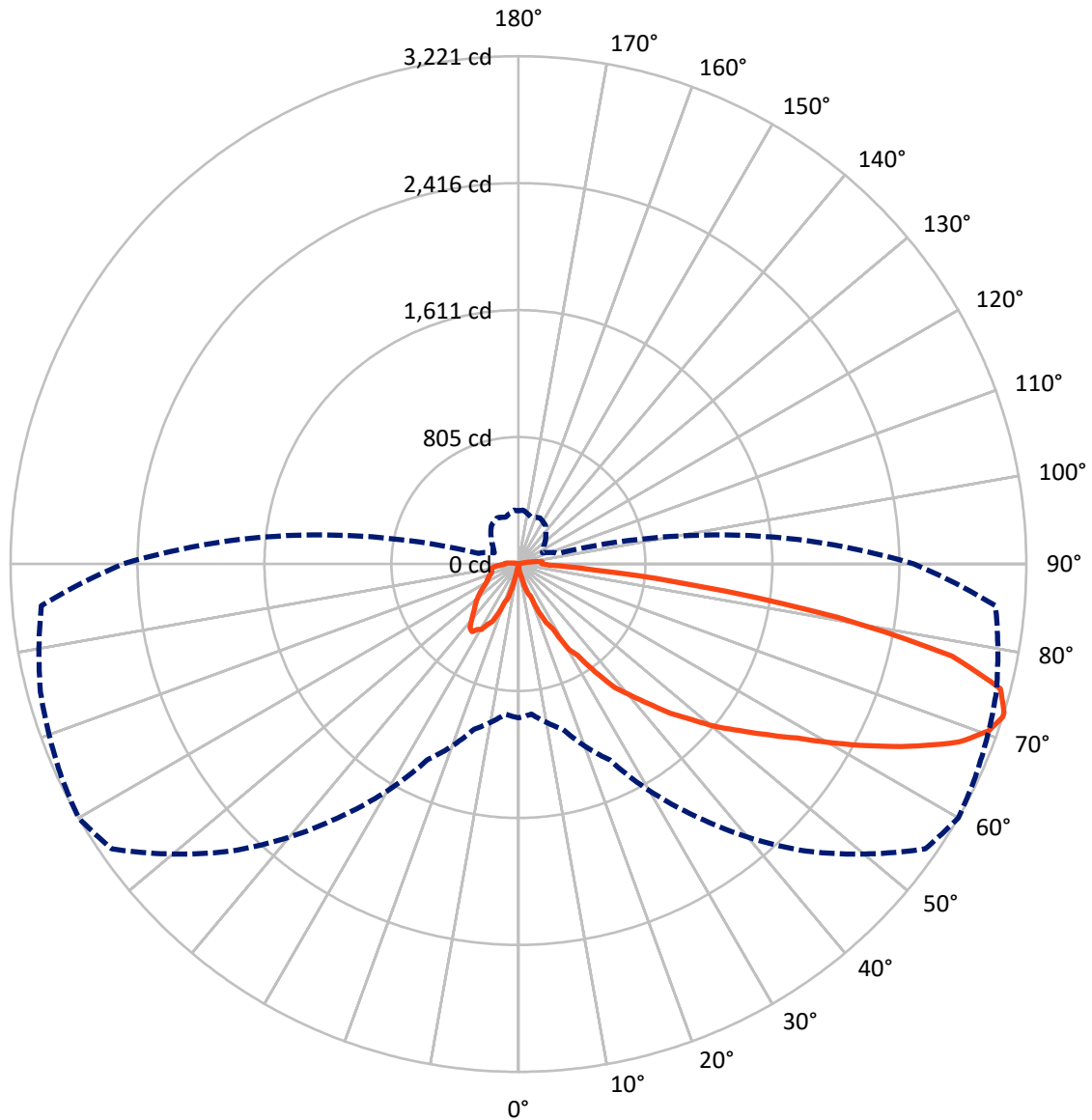
× Max cd  
 - - - 1/2 Max cd



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1267.8	61.9	1329.7
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	4417.0	54.3	4471.3
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	5684.8	116.2	5801.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	47.4	0.8
20°-30°	197.8	3.4
30°-40°	456.9	7.9
40°-50°	802.3	13.8
50°-60°	1212.6	20.9
60°-70°	1495.1	25.8
70°-80°	1154.3	19.9
80°-90°	315.4	5.4
90°-100°	85.6	1.5
100°-110°	14.8	0.3
110°-120°	5.7	0.1
120°-130°	4.1	0.1
130°-140°	2.7	0.0
140°-150°	2.2	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5684.8	98.0
0°-180°	5801.0	100.0



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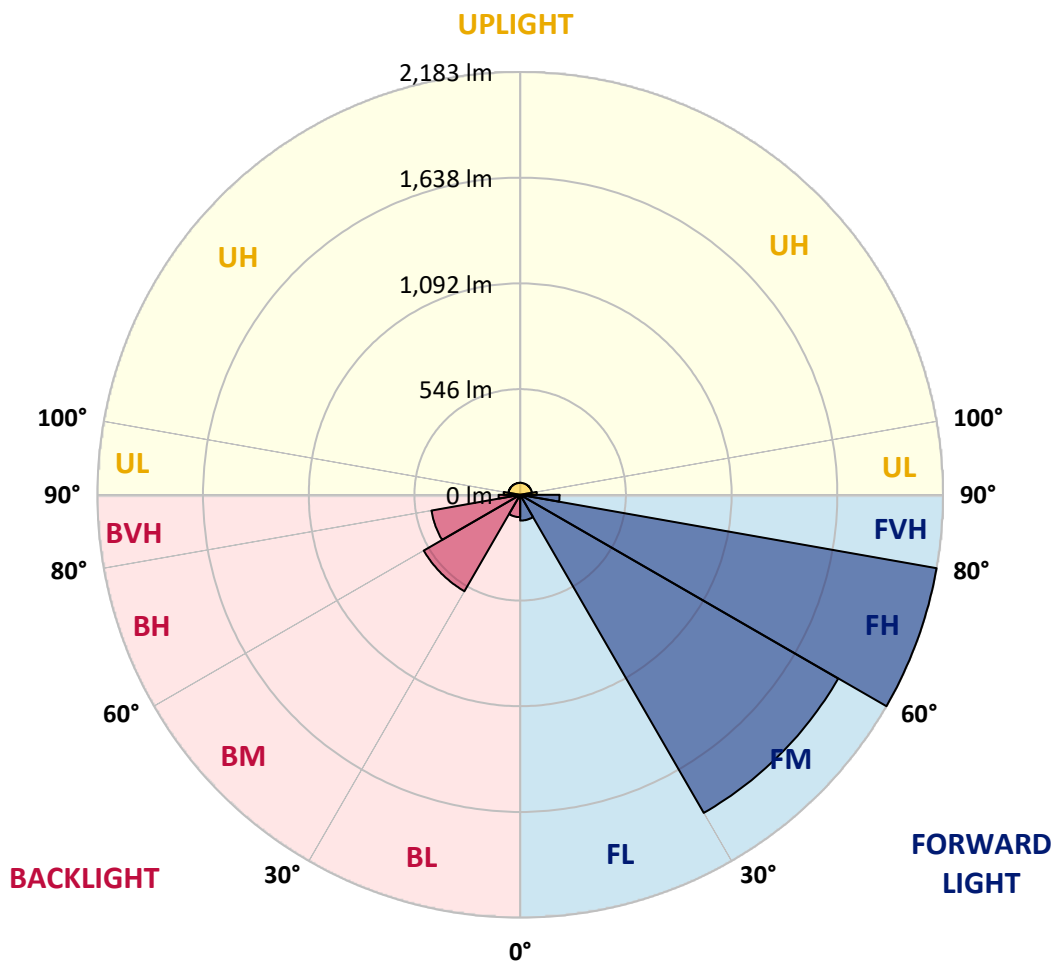
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.2	2.3			
FM	(30°-60°)	1896.7	32.7			
FH	(60°-80°)	2183.5	37.6			G2/5000
FVH	(80°-90°)	203.7	3.5			G2/225
BL	(0°-30°)	115.2	2.0	B1/500		
BM	(30°-60°)	575.0	9.9	B1/1000		
BH	(60°-80°)	465.9	8.0	B1/500		G1/500
BVH	(80°-90°)	111.7	1.9			G2/225
UL	(90°-100°)	85.6	1.5		U3/500	
UH	(100°-180°)	61.9	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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.7	7.1	6.4	6.4	7.1	6.4	5.8	5.1	4.5	4.5	3.9
5°	72.0	70.1	69.5	55.9	25.7	19.9	9.0	7.1	5.8	4.5	3.9
7.5°	79.7	79.1	78.5	78.5	77.2	73.3	41.8	20.6	11.6	5.8	5.1
10°	91.3	90.0	86.2	84.2	82.3	81.0	75.2	71.4	32.2	9.6	8.4
12.5°	162.7	160.1	156.3	115.8	99.0	87.5	85.5	82.3	71.4	29.6	59.8
15°	174.9	174.3	171.7	169.8	164.6	109.3	132.5	151.1	171.1	139.5	155.6
17.5°	219.9	213.5	196.8	187.1	183.9	200.6	191.6	194.9	194.9	187.8	178.1
20°	328.6	324.1	315.7	278.4	209.6	258.5	253.4	215.4	221.9	274.6	319.0
22.5°	396.1	391.6	374.3	350.5	346.0	287.5	299.0	326.7	334.4	385.2	384.6
25°	537.6	529.2	491.9	421.9	430.9	371.1	417.4	410.9	391.0	424.4	436.0
27.5°	656.6	649.5	631.5	596.1	499.7	519.0	474.6	466.2	519.6	613.5	611.6
30°	787.8	749.2	700.9	690.0	618.6	588.4	600.0	627.6	647.6	656.6	679.1
32.5°	955.6	951.1	915.1	773.0	750.5	672.7	728.0	690.0	705.4	835.3	912.5
35°	1072.0	1083.6	1019.9	935.0	828.3	826.3	803.2	841.1	915.1	933.1	986.5
37.5°	1343.4	1346.6	1289.4	1046.9	977.5	910.6	982.6	992.9	1013.5	1044.3	1089.4
40°	1547.9	1518.9	1448.2	1268.1	1117.0	1044.3	1095.8	1094.5	1139.5	1196.1	1224.4
42.5°	1800.0	1767.8	1641.1	1437.3	1295.8	1215.4	1220.5	1209.6	1246.9	1336.3	1353.7
45°	2011.5	1997.4	1899.6	1684.8	1493.2	1396.8	1362.0	1348.5	1367.2	1479.7	1489.4
47.5°	2211.5	2173.6	2109.9	1892.6	1780.0	1604.5	1504.8	1472.6	1478.4	1606.4	1634.7
50°	2423.1	2359.4	2281.0	2090.0	2008.3	1865.5	1668.8	1618.6	1620.5	1738.9	1787.1
52.5°	2548.5	2447.5	2396.7	2238.5	2156.2	2084.8	1840.5	1753.7	1762.7	1874.6	1947.9
55°	2470.7	2440.5	2441.7	2347.2	2286.1	2202.5	2007.0	1909.9	1920.2	2051.4	2143.4
57.5°	2339.5	2362.6	2444.3	2440.5	2406.4	2324.7	2172.9	2082.3	2141.4	2251.4	2348.5
60°	2238.5	2264.9	2397.4	2465.5	2529.2	2469.4	2344.6	2305.4	2360.7	2456.5	2572.9
62.5°	2070.0	2091.3	2273.3	2453.3	2526.0	2592.9	2508.0	2543.3	2594.1	2675.2	2816.7
65°	1839.8	1834.7	2061.0	2341.4	2504.8	2661.7	2718.3	2783.2	2829.5	2916.3	3044.9
67.5°	1567.8	1593.5	1783.9	2100.3	2421.8	2696.4	2895.1	3014.1	3043.0	3076.5	3169.1
70°	1280.4	1279.1	1445.6	1781.9	2243.7	2677.1	3062.9	3165.8	3166.5	3146.5	3174.2
72°	976.2	955.6	1084.2	1371.0	1948.5	2573.6	3149.1	3221.1	3197.3	3138.2	3037.2
72.5°	837.9	856.6	977.5	1291.3	1816.0	2522.1	3158.1	3220.5	3194.8	3129.8	2996.1
75°	425.1	398.1	466.9	691.9	1252.7	2037.9	3093.2	3157.5	3085.5	3004.4	2626.9
77.5°	166.6	171.1	198.1	299.0	609.6	1342.1	2670.0	2810.2	2763.9	2706.7	2072.0
80°	117.0	117.0	132.5	170.4	312.5	545.3	1850.1	2054.0	2125.3	2153.6	1385.8
82.5°	84.9	86.2	101.0	119.0	223.1	261.7	908.7	1141.5	1254.0	1359.5	774.9
85°	79.1	79.1	81.0	79.7	159.5	186.5	330.5	487.4	563.3	660.4	313.2
87.5°	37.3	40.5	59.8	47.6	78.5	115.1	180.1	195.5	200.0	227.0	225.1
90°	24.4	24.4	19.9	20.6	38.6	93.2	144.7	147.9	142.1	166.6	209.6
92.5°	25.1	25.7	18.6	19.3	30.2	85.5	148.5	151.1	146.6	174.9	222.5
95°	23.2	23.2	16.1	16.7	23.8	65.6	148.5	151.1	138.3	174.3	222.5
97.5°	19.3	19.9	12.9	13.5	18.6	32.2	102.9	110.6	88.1	88.7	108.7
100°	16.7	16.7	10.3	10.9	13.5	14.8	52.1	54.7	48.9	21.9	14.8
102.5°	16.7	16.7	9.0	9.0	9.0	8.4	16.1	27.0	22.5	12.9	14.1
105°	16.1	16.7	8.4	7.1	7.1	6.4	8.4	10.3	10.3	10.3	14.8
107.5°	12.9	13.5	6.4	6.4	5.8	5.8	4.5	4.5	6.4	9.6	16.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.3	10.3	5.1	5.8	4.5	5.1	3.9	3.9	5.8	7.1	12.2
112.5°	5.8	5.8	3.9	4.5	3.9	4.5	3.9	3.9	4.5	5.8	7.7
115°	5.1	5.1	3.2	3.2	3.2	3.2	3.2	3.2	3.9	5.1	8.4
117.5°	5.1	5.1	3.2	3.2	3.2	2.6	2.6	3.2	3.2	5.1	8.4
120°	5.1	5.1	3.2	3.2	2.6	2.6	2.6	3.2	3.2	5.1	8.4
122.5°	5.8	5.1	3.2	2.6	2.6	2.6	2.6	2.6	3.2	4.5	8.4
125°	5.8	5.1	3.9	2.6	2.6	2.6	2.6	2.6	3.2	4.5	7.1
127.5°	5.8	5.8	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	6.4
130°	5.8	5.1	3.9	2.6	2.6	2.6	2.6	2.6	2.6	3.9	5.8
132.5°	5.1	5.1	3.9	2.6	3.2	2.6	2.6	2.6	2.6	3.2	4.5
135°	4.5	4.5	3.2	3.2	3.2	2.6	2.6	2.6	2.6	2.6	3.9
137.5°	4.5	4.5	3.9	3.2	3.2	3.2	2.6	2.6	2.6	2.6	3.2
140°	4.5	4.5	3.9	3.9	3.9	3.2	2.6	2.6	2.6	3.2	3.2
142.5°	5.1	5.1	4.5	3.9	3.9	3.2	2.6	2.6	3.2	3.2	3.2
145°	5.8	5.8	5.1	4.5	3.9	2.6	2.6	3.2	3.2	3.2	3.9
147.5°	5.8	5.8	5.1	3.9	3.2	2.6	2.6	3.2	3.2	3.9	3.9
150°	5.1	5.1	4.5	3.2	2.6	1.9	2.6	2.6	3.2	3.9	3.9
152.5°	3.9	3.9	3.2	2.6	1.9	1.3	1.9	2.6	2.6	3.2	3.9
155°	2.6	2.6	1.9	1.3	1.3	1.3	1.9	1.9	1.9	2.6	3.2
157.5°	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.9	1.9	1.9	2.6
160°	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.9	1.9	1.9	1.9
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°	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	4.5	5.1	5.8
5°	3.9	3.9	3.9	3.9	4.5	5.1	5.8	6.4	7.1	7.7	7.7
7.5°	4.5	4.5	4.5	5.1	5.8	7.1	16.1	56.6	77.2	84.2	82.3
10°	8.4	8.4	7.7	7.7	9.0	75.2	95.8	104.2	108.7	113.8	113.8
12.5°	66.9	77.2	27.7	15.4	74.6	105.5	113.2	119.0	122.8	128.0	128.0
15°	161.4	164.0	168.5	151.8	146.6	119.6	124.8	169.1	222.5	236.7	237.9
17.5°	181.3	184.6	187.8	222.5	236.7	183.3	210.9	237.3	242.4	247.6	247.6
20°	346.0	351.1	284.9	255.3	249.5	310.6	238.6	245.0	254.0	299.7	304.2
22.5°	392.3	395.5	370.4	386.5	283.0	324.8	313.8	313.8	351.1	353.7	354.3
25°	439.9	457.9	410.3	397.4	402.6	328.6	370.4	334.4	339.5	343.4	344.0
27.5°	641.8	639.2	600.6	454.7	403.8	398.1	359.5	329.9	385.8	400.6	401.3
30°	682.3	675.9	641.1	532.5	419.3	394.2	338.9	381.3	371.1	373.0	373.6
32.5°	938.2	928.0	829.6	538.9	437.9	364.0	367.8	355.0	356.3	396.1	397.4
35°	1002.5	988.4	850.1	623.1	417.4	369.1	340.2	356.3	362.7	360.8	360.8
37.5°	1088.7	1061.7	843.7	585.8	434.1	345.3	325.4	336.3	332.5	356.9	355.6
40°	1182.6	1144.7	846.9	543.4	393.6	324.1	311.9	321.5	319.0	311.9	306.7
42.5°	1302.2	1236.6	846.3	508.0	356.3	317.0	294.5	293.9	283.0	271.4	267.5
45°	1424.4	1333.7	848.9	467.5	328.0	311.2	284.9	269.4	259.8	247.6	244.4
47.5°	1558.2	1437.3	856.6	435.4	306.1	293.9	272.7	254.0	246.9	231.5	230.2
50°	1716.4	1545.9	859.1	409.6	280.4	278.4	263.7	243.1	232.1	216.7	215.4
52.5°	1886.8	1661.1	863.6	371.7	260.4	272.7	268.8	240.5	236.0	216.1	214.8
55°	2048.2	1770.4	862.4	326.0	251.4	267.5	268.8	257.2	250.2	217.4	214.8
57.5°	2242.4	1888.7	843.1	283.6	237.3	259.8	281.7	272.0	264.3	237.3	232.1
60°	2416.0	2010.9	785.8	250.8	225.1	251.4	292.6	283.0	261.1	243.7	238.6
62.5°	2619.2	2116.3	706.1	227.0	220.6	254.0	296.5	290.0	263.0	257.2	255.3
65°	2756.8	2156.2	585.2	207.7	219.9	254.0	295.2	296.5	277.2	283.0	282.3
67.5°	2773.6	2104.8	443.7	192.9	212.2	254.0	293.2	309.3	290.0	313.8	315.1
70°	2693.2	1976.2	323.5	178.1	203.9	250.8	293.9	317.7	299.7	337.0	334.4
72°	2508.0	1781.3	261.7	168.5	196.8	245.7	298.4	322.2	308.0	342.8	337.0
72.5°	2459.7	1721.5	250.2	167.2	195.5	245.0	299.7	323.5	308.7	348.5	341.5
75°	2058.5	1371.0	214.8	157.6	197.4	241.8	306.1	322.8	312.5	352.4	353.7
77.5°	1559.4	924.1	190.3	149.2	196.8	236.0	304.2	317.7	306.7	338.9	346.0
80°	965.2	537.6	169.1	148.5	195.5	233.4	295.8	304.2	290.7	316.4	318.3
82.5°	528.0	314.5	146.6	146.0	189.7	226.4	279.7	288.7	275.9	304.2	284.2
85°	270.1	213.5	110.0	119.6	165.9	212.9	261.1	260.4	247.6	257.9	243.7
87.5°	208.4	167.8	71.4	86.2	135.7	175.6	214.8	212.9	196.1	197.4	191.6
90°	191.6	149.8	46.9	61.1	113.2	126.0	149.2	143.4	131.8	134.4	132.5
92.5°	192.9	147.9	45.0	65.0	108.7	113.2	137.0	129.9	118.3	119.6	115.8
95°	188.4	142.1	45.0	57.2	90.0	80.4	98.4	95.8	86.2	81.7	79.7
97.5°	90.0	70.7	41.8	42.4	50.8	43.7	59.8	64.3	51.4	41.2	41.2
100°	15.4	23.8	36.7	43.1	36.7	27.7	37.9	43.7	29.6	13.5	14.8
102.5°	15.4	14.8	28.3	36.7	26.4	14.8	21.9	28.9	18.6	10.3	10.9
105°	16.7	15.4	13.5	25.1	15.4	7.7	8.4	14.8	10.3	10.3	10.3
107.5°	18.0	16.7	9.6	9.6	7.7	7.1	6.4	5.8	7.1	10.3	10.9



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	13.5	13.5	9.0	7.7	7.1	7.1	5.1	5.1	7.1	10.9	10.9
112.5°	9.6	9.6	7.7	6.4	5.8	7.1	5.1	5.1	6.4	10.9	11.6
115°	9.6	9.6	7.1	5.8	5.1	5.8	5.1	4.5	6.4	10.9	11.6
117.5°	9.6	9.6	7.1	5.1	4.5	4.5	3.9	4.5	6.4	10.9	11.6
120°	9.6	9.6	7.1	5.1	4.5	3.9	3.9	3.9	6.4	10.9	11.6
122.5°	9.0	9.0	6.4	4.5	3.9	3.2	3.2	3.9	5.8	10.3	10.9
125°	8.4	8.4	5.8	4.5	3.9	3.2	3.2	3.2	5.8	9.6	10.3
127.5°	7.7	7.7	5.8	3.9	3.2	3.2	3.2	3.2	5.1	9.0	9.6
130°	6.4	6.4	5.1	3.9	3.2	2.6	3.2	3.2	5.1	8.4	8.4
132.5°	5.1	5.1	3.9	3.2	3.2	2.6	2.6	3.2	4.5	7.1	7.7
135°	3.9	3.9	3.9	3.2	3.2	2.6	2.6	2.6	3.9	5.8	6.4
137.5°	3.2	3.9	3.2	3.2	3.2	2.6	2.6	2.6	3.9	5.1	5.1
140°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	2.6	3.9	4.5	5.1
142.5°	3.2	3.9	3.2	3.2	3.2	2.6	2.6	3.2	3.9	5.1	5.1
145°	3.9	3.9	3.9	3.2	3.2	1.9	1.9	3.2	3.9	5.1	5.1
147.5°	3.9	3.9	3.9	3.2	2.6	1.9	1.9	2.6	3.9	5.1	5.1
150°	3.9	3.9	3.9	3.2	2.6	1.3	1.3	2.6	3.2	4.5	5.1
152.5°	3.9	3.9	3.2	3.2	1.9	1.3	0.6	1.9	2.6	3.9	3.9
155°	3.2	3.2	3.2	2.6	1.9	0.6	0.0	0.6	1.9	3.2	3.2
157.5°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.6	0.6	1.9	1.9
160°	1.9	1.9	1.9	1.9	1.3	0.6	0.0	0.0	0.6	1.3	1.3
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)