

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: P416195

Luminaire Tested: **LXF.LXT-PA1-70-722-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416195  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-722-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5811 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

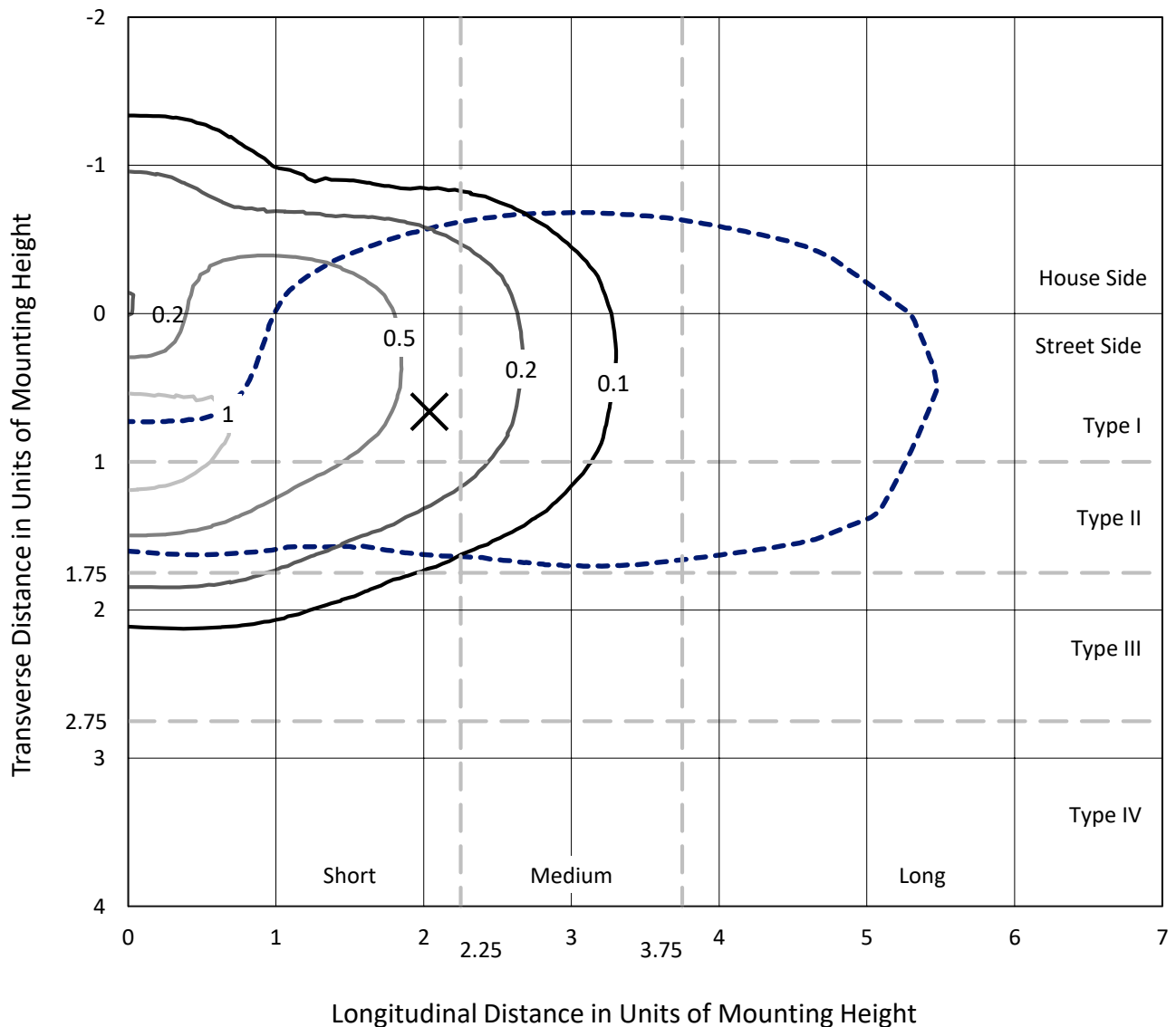
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

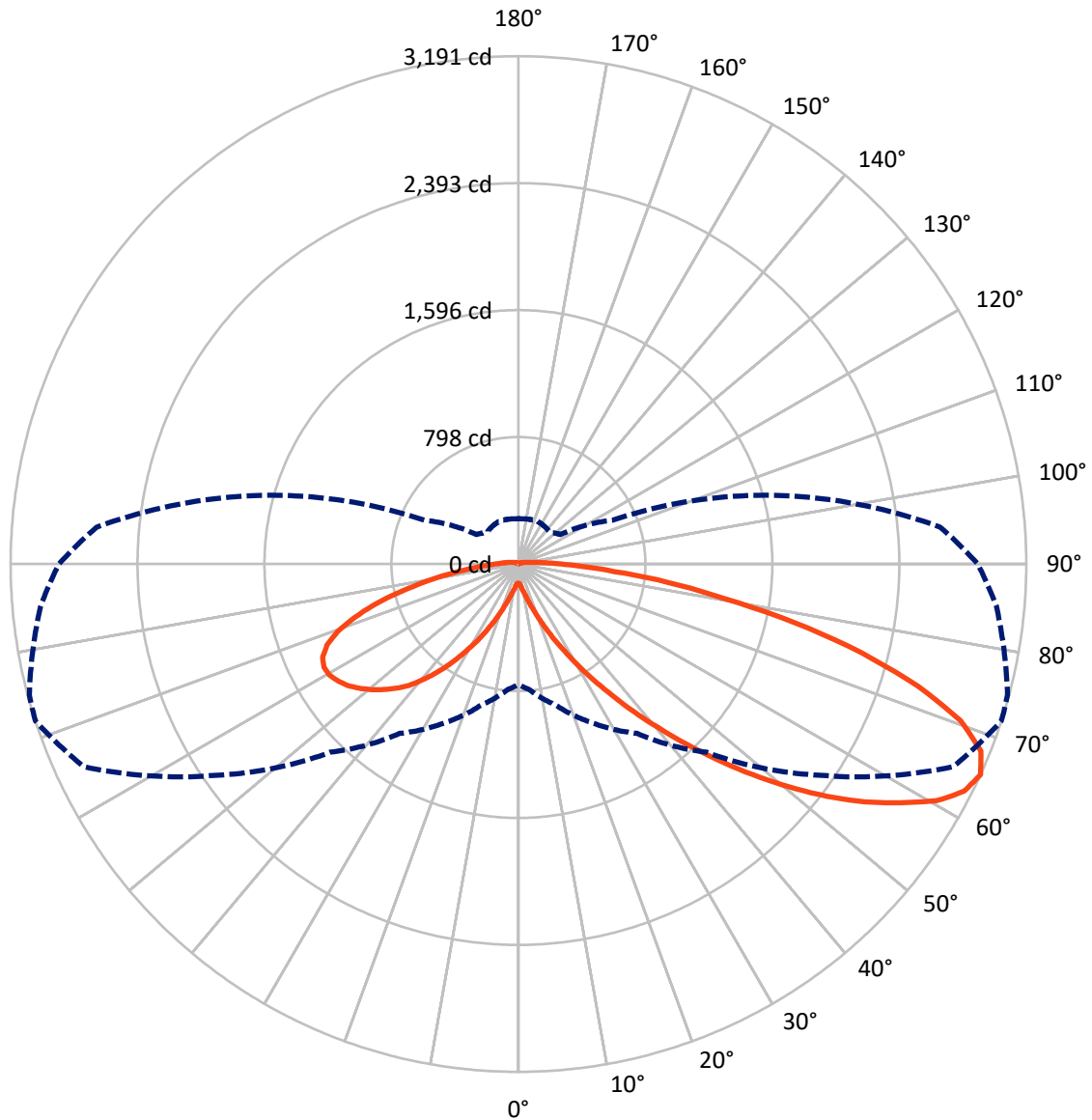


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1638.4	82.4	1720.8
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	4009.8	80.4	4090.2
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	5648.2	162.8	5811.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.8	0.2
10°-20°	70.3	1.2
20°-30°	222.7	3.8
30°-40°	533.6	9.2
40°-50°	985.2	17.0
50°-60°	1342.4	23.1
60°-70°	1308.9	22.5
70°-80°	854.8	14.7
80°-90°	316.6	5.4
90°-100°	88.0	1.5
100°-110°	36.9	0.6
110°-120°	18.6	0.3
120°-130°	10.5	0.2
130°-140°	5.9	0.1
140°-150°	2.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5648.2	97.2
0°-180°	5811.0	100.0



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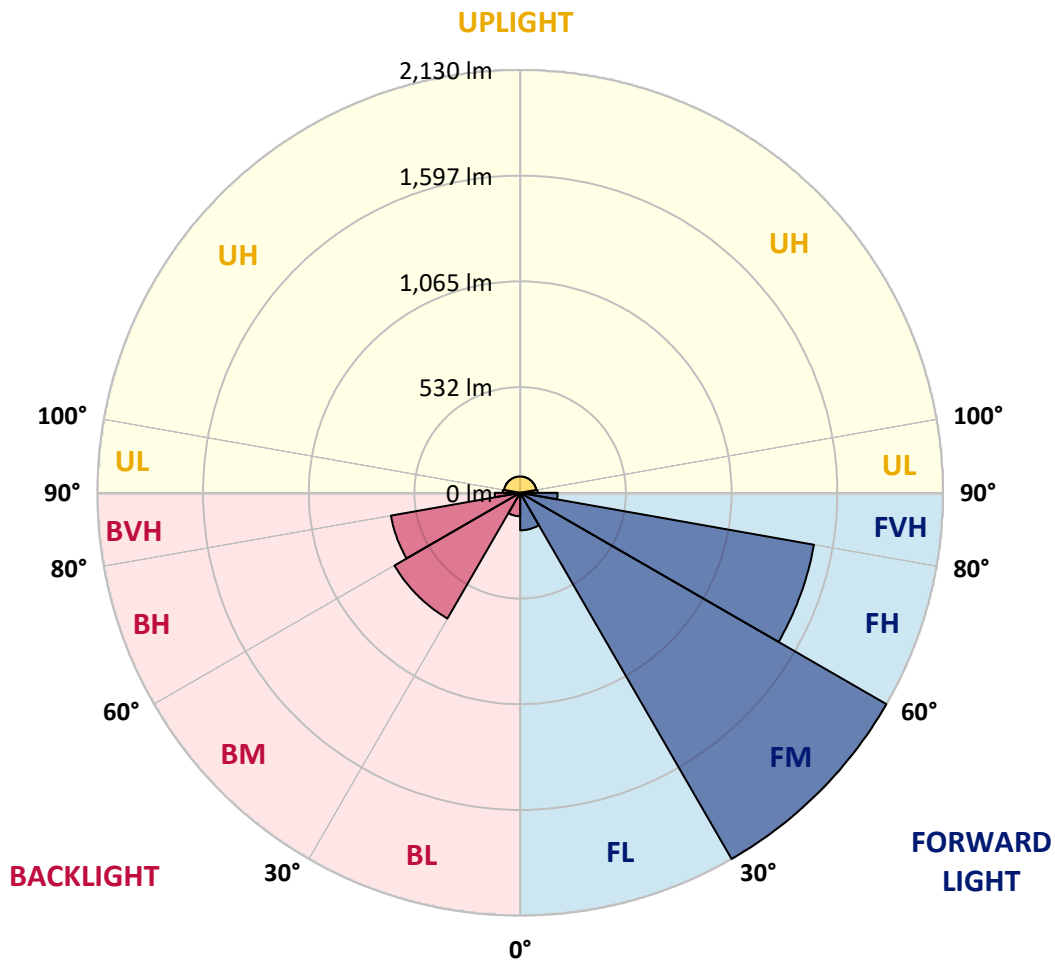
CATALOG NUMBER: LXF.LXT-PA1-70-722-U-T2U-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.8	3.2			
FM	(30°-60°)	2130.0	36.7			
FH	(60°-80°)	1502.6	25.9			G1/1800
FVH	(80°-90°)	188.5	3.2			G2/225
BL	(0°-30°)	118.0	2.0	B1/500		
BM	(30°-60°)	731.2	12.6	B1/1000		
BH	(60°-80°)	661.1	11.4	B2/1000		G2/1000
BVH	(80°-90°)	128.1	2.2			G2/225
UL	(90°-100°)	88.0	1.5		U3/500	
UH	(100°-180°)	82.4	1.4		U3/500	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	133.8	133.2	131.8	131.2	131.2	129.8	128.5	126.4	125.1	124.4	123.1
5°	151.3	150.0	148.6	147.3	145.9	143.9	140.6	138.5	135.9	135.2	132.5
7.5°	176.2	174.9	170.8	169.5	167.5	164.8	160.7	156.7	154.0	152.0	148.0
10°	209.2	207.8	205.1	201.8	197.7	192.4	185.6	181.6	174.9	176.2	170.2
12.5°	254.2	250.9	247.5	242.1	234.1	228.0	218.6	214.5	207.2	207.2	199.8
15°	308.7	308.0	301.3	289.9	282.5	269.7	261.6	252.9	248.2	248.2	242.1
17.5°	379.3	374.6	369.2	353.8	337.0	321.5	310.7	304.7	299.3	297.9	289.9
20°	466.8	460.0	452.0	424.4	404.2	385.4	369.9	365.2	361.2	360.5	353.8
22.5°	577.7	563.6	548.8	521.9	489.6	456.7	445.9	435.2	435.8	437.2	421.7
25°	700.8	696.8	670.6	632.2	589.8	553.5	523.9	519.9	523.9	521.2	515.2
27.5°	858.9	845.4	812.5	763.4	696.1	653.7	622.1	619.4	620.1	623.5	613.4
30°	1043.2	1036.4	994.7	912.7	825.9	769.4	735.1	730.4	738.5	739.2	723.7
32.5°	1260.4	1246.9	1183.0	1091.6	973.2	901.2	862.2	860.9	869.6	871.6	859.5
35°	1480.3	1473.6	1410.4	1279.2	1149.4	1040.5	1000.8	1003.5	1009.5	1021.6	1007.5
37.5°	1733.9	1715.7	1634.3	1495.8	1331.7	1201.2	1158.8	1168.3	1177.7	1177.7	1158.2
40°	1973.3	1966.6	1881.2	1707.0	1510.6	1389.5	1343.1	1348.5	1347.8	1348.5	1322.9
42.5°	2195.3	2172.4	2097.1	1912.1	1709.7	1586.6	1530.8	1539.5	1547.6	1553.6	1489.1
45°	2345.2	2325.7	2259.2	2076.9	1898.0	1781.6	1745.3	1745.3	1754.7	1752.0	1688.1
47.5°	2398.4	2395.7	2345.9	2207.4	2043.3	1953.1	1955.2	1962.6	1976.7	1963.9	1872.4
50°	2373.5	2362.7	2354.0	2276.6	2163.7	2120.6	2161.0	2198.6	2200.0	2177.1	2060.8
52.5°	2217.5	2218.8	2263.2	2249.1	2197.3	2241.0	2364.1	2430.7	2424.6	2402.4	2262.5
55°	1980.0	1990.8	2068.2	2127.3	2158.9	2280.0	2514.7	2652.6	2639.2	2608.2	2466.3
57.5°	1663.9	1698.9	1802.5	1931.6	2044.6	2243.7	2596.8	2845.0	2830.8	2830.8	2669.4
60°	1327.7	1355.9	1508.6	1666.0	1844.2	2121.3	2604.9	2986.2	3020.5	2999.0	2813.4
62.5°	1029.7	1041.8	1199.9	1398.3	1589.3	1915.5	2512.0	3053.5	3144.3	3126.1	2942.5
65°	758.0	792.3	920.1	1101.7	1299.4	1672.7	2313.6	3013.8	3191.3	3181.9	3013.8
67.5°	563.6	579.1	686.0	854.2	1049.9	1370.7	2024.4	2840.3	3134.8	3142.9	3003.0
70°	422.4	426.4	509.8	648.4	815.2	1081.5	1687.5	2563.2	2947.2	2983.5	2906.8
72.5°	319.5	326.9	396.1	505.1	628.9	832.6	1333.7	2186.5	2627.1	2717.2	2688.3
75°	250.2	258.9	306.7	390.8	486.3	630.2	1009.5	1741.3	2225.5	2341.9	2374.2
77.5°	197.7	207.2	247.5	312.1	379.3	486.3	741.8	1302.8	1777.6	1894.0	1988.1
80°	155.4	162.1	197.7	245.5	298.6	359.2	519.9	947.0	1305.5	1450.7	1536.8
82.5°	118.4	125.8	153.3	193.7	234.1	274.4	371.3	644.3	947.0	1012.9	1159.5
85°	86.1	92.8	115.7	148.6	180.2	212.5	271.7	429.8	603.3	682.0	756.0
87.5°	63.2	65.9	86.1	110.3	138.5	160.7	195.7	274.4	383.4	422.4	484.2
90°	44.4	47.1	63.2	81.4	104.9	125.8	143.9	181.6	238.8	273.7	285.2
92.5°	33.0	35.0	47.1	61.2	80.7	97.5	109.0	128.5	155.4	170.2	179.6
95°	24.9	26.9	37.0	48.4	62.5	76.7	85.4	92.8	108.3	112.3	120.4
97.5°	20.2	21.5	30.3	39.7	50.4	63.2	67.9	72.0	77.3	81.4	84.7
100°	17.5	18.2	25.6	33.6	43.0	51.1	55.2	57.2	60.5	61.9	63.2
102.5°	15.5	15.5	22.2	28.9	37.0	43.0	46.4	46.4	47.1	47.8	47.1
105°	13.5	14.1	19.5	25.6	31.6	37.0	39.7	38.3	37.7	37.0	35.0
107.5°	12.8	12.8	17.5	22.9	28.2	32.3	34.3	31.6	30.3	28.9	26.9
110°	11.4	12.1	15.5	20.2	24.9	28.2	29.6	26.9	24.2	22.9	20.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	10.8	11.4	14.1	18.2	22.2	25.6	25.6	22.9	19.5	18.2	16.8
115°	10.8	10.8	12.8	16.1	20.2	22.9	22.9	19.5	16.1	14.8	14.1
117.5°	10.8	10.8	12.1	14.8	18.2	20.2	20.2	16.8	13.5	12.1	12.1
120°	10.1	10.1	11.4	13.5	16.8	18.2	17.5	14.8	11.4	10.8	10.8
122.5°	10.1	10.1	10.8	12.8	15.5	16.8	16.1	12.8	10.1	8.7	9.4
125°	10.8	10.1	10.8	12.1	14.1	14.8	14.1	10.8	8.7	8.1	8.7
127.5°	10.8	10.8	10.1	11.4	12.8	13.5	12.8	9.4	7.4	7.4	8.1
130°	10.8	10.8	10.1	10.8	11.4	12.1	10.8	8.1	6.7	6.7	7.4
132.5°	10.8	10.8	10.1	10.1	10.8	10.8	9.4	6.7	6.1	6.1	6.7
135°	10.8	10.8	9.4	9.4	9.4	9.4	8.1	6.1	5.4	5.4	6.1
137.5°	10.1	10.1	9.4	8.7	8.7	8.1	6.7	4.7	4.0	4.7	5.4
140°	9.4	9.4	8.7	7.4	7.4	6.7	5.4	4.0	3.4	4.0	4.0
142.5°	8.7	8.7	8.1	6.7	6.1	5.4	4.7	2.7	2.7	2.7	3.4
145°	8.1	8.1	7.4	5.4	4.7	4.0	3.4	2.0	2.0	2.0	2.7
147.5°	6.7	6.7	6.1	4.7	3.4	3.4	2.0	1.3	2.0	2.0	2.0
150°	5.4	5.4	4.7	3.4	2.7	2.0	0.7	1.3	1.3	1.3	2.0
152.5°	4.7	4.7	3.4	2.7	1.3	0.7	0.7	0.7	1.3	1.3	1.3
155°	3.4	3.4	2.7	1.3	0.7	0.0	0.7	0.7	0.7	0.7	0.7
157.5°	2.0	2.0	1.3	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1	121.1
2.5°	121.7	121.7	121.1	120.4	119.7	119.0	117.7	117.0	117.0	116.4	116.4
5°	131.2	130.5	128.5	126.4	123.8	122.4	120.4	119.0	118.4	117.7	117.7
7.5°	145.9	144.6	140.6	137.2	133.8	131.2	127.8	125.8	125.1	123.1	123.8
10°	166.8	164.8	160.1	154.0	148.0	143.9	139.2	136.5	135.2	133.8	132.5
12.5°	197.1	193.0	185.0	176.9	168.1	160.1	155.4	153.3	154.7	154.0	154.7
15°	238.8	231.4	219.3	207.2	191.7	181.6	180.2	179.6	179.6	180.2	181.6
17.5°	285.8	277.8	262.3	240.1	221.9	211.9	205.8	205.1	208.5	209.2	208.5
20°	347.7	339.6	315.4	285.2	258.9	242.8	234.7	234.7	239.4	240.8	243.5
22.5°	414.3	409.6	376.6	334.9	300.0	273.7	262.3	263.6	270.4	272.4	273.7
25°	507.1	488.3	447.9	390.8	340.3	305.3	289.9	290.5	297.9	303.3	305.3
27.5°	609.3	587.8	528.6	454.0	380.7	331.6	314.1	314.8	323.5	330.2	331.6
30°	719.0	697.5	620.1	516.5	418.3	355.1	331.6	332.2	342.3	349.7	351.1
32.5°	836.0	818.5	710.2	583.8	451.3	371.3	343.0	343.7	352.4	359.2	360.5
35°	984.0	944.3	817.2	643.6	478.9	381.3	348.4	347.7	356.5	363.2	364.5
37.5°	1129.9	1087.5	918.7	699.5	495.0	384.0	347.0	347.0	353.8	359.2	359.8
40°	1288.6	1218.0	1025.7	743.2	501.1	380.0	343.0	342.3	347.7	350.4	351.1
42.5°	1459.5	1372.7	1130.6	778.2	498.4	371.3	335.6	336.3	338.3	338.3	337.6
45°	1613.5	1525.4	1220.7	801.0	489.0	359.8	326.9	327.5	328.2	322.8	322.8
47.5°	1794.4	1687.5	1305.5	806.4	470.1	348.4	320.1	321.5	318.1	310.7	309.4
50°	1965.9	1846.9	1390.9	804.4	450.6	336.3	313.4	314.8	308.7	298.6	296.6
52.5°	2156.9	2004.3	1471.6	794.3	427.1	325.5	308.7	310.1	303.3	291.2	289.2
55°	2345.2	2171.1	1545.6	776.8	406.9	314.1	304.0	307.4	298.6	286.5	285.8
57.5°	2524.8	2336.5	1606.8	751.3	385.4	306.0	300.6	304.7	296.6	284.5	283.8
60°	2684.9	2477.1	1655.9	726.4	361.8	297.9	297.3	302.7	295.3	285.2	284.5
62.5°	2797.2	2603.5	1678.1	692.7	343.0	289.2	293.2	298.6	293.2	285.2	285.2
65°	2886.7	2660.0	1669.3	648.4	322.8	279.8	287.9	293.2	289.9	284.5	285.2
67.5°	2869.9	2658.7	1612.1	595.2	304.0	269.7	278.4	285.8	283.2	281.1	280.5
70°	2766.3	2532.9	1502.5	537.4	284.5	256.9	267.0	274.4	273.7	273.1	273.1
72.5°	2553.1	2315.0	1338.4	470.8	264.3	243.5	252.2	258.9	260.3	259.6	257.6
75°	2274.6	2015.0	1148.1	408.2	243.5	227.3	236.7	240.8	242.8	241.5	241.5
77.5°	1866.4	1680.1	912.7	345.0	221.3	209.2	215.9	219.3	221.9	218.6	216.6
80°	1483.0	1277.9	702.2	281.8	197.1	189.0	192.4	193.7	196.4	193.0	189.0
82.5°	1041.1	910.7	509.1	230.0	172.9	166.1	168.1	167.5	168.8	164.1	158.7
85°	695.4	612.0	350.4	185.0	148.0	141.9	141.9	139.9	138.5	133.8	129.8
87.5°	436.5	387.4	240.8	145.9	124.4	119.7	117.0	113.0	111.6	108.3	103.6
90°	269.0	247.5	168.1	117.0	103.6	99.5	96.8	90.8	90.1	84.7	81.4
92.5°	176.2	161.4	124.4	94.8	86.8	82.7	79.4	74.0	73.3	69.3	67.3
95°	116.4	113.0	94.8	79.4	73.3	69.9	66.6	61.9	60.5	56.5	53.8
97.5°	85.4	85.4	78.0	67.3	62.5	59.2	57.2	53.1	50.4	46.4	45.1
100°	64.6	65.2	62.5	57.8	53.8	50.4	48.4	45.1	43.0	39.0	38.3
102.5°	49.8	51.1	51.8	49.1	46.4	43.7	41.7	39.0	36.3	32.3	31.6
105°	38.3	39.7	42.4	41.7	40.4	38.3	36.3	33.6	30.3	26.9	26.9
107.5°	29.6	30.9	35.0	35.6	35.0	33.0	31.6	28.9	26.2	22.9	22.9
110°	22.9	24.9	28.9	30.3	30.3	28.9	27.6	24.9	21.5	19.5	19.5



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CATALOG NUMBER: LXF.LXT-PA1-70-722-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	20.8	24.2	26.2	26.2	25.6	23.5	20.8	18.2	16.8	16.8
115°	15.5	17.5	20.8	22.9	22.9	22.2	20.8	18.2	15.5	14.8	14.8
117.5°	13.5	14.8	17.5	19.5	20.2	19.5	18.2	15.5	13.5	13.5	13.5
120°	12.1	13.5	15.5	16.8	17.5	16.8	15.5	13.5	11.4	12.1	12.1
122.5°	10.8	11.4	13.5	15.5	15.5	15.5	14.1	11.4	10.1	10.8	10.8
125°	9.4	10.8	12.1	13.5	14.1	13.5	12.1	10.1	8.7	9.4	10.1
127.5°	8.7	9.4	10.8	12.1	12.1	12.1	10.8	8.7	8.1	8.7	8.7
130°	8.1	8.7	9.4	10.8	10.8	10.8	9.4	7.4	7.4	8.1	8.1
132.5°	7.4	8.1	8.7	9.4	9.4	9.4	8.1	6.7	6.1	7.4	7.4
135°	6.7	6.7	7.4	8.1	8.1	8.1	6.7	5.4	5.4	6.7	6.7
137.5°	5.4	6.1	6.7	6.7	6.7	6.7	5.4	4.7	4.7	5.4	5.4
140°	4.7	4.7	5.4	5.4	5.4	5.4	4.7	3.4	4.0	4.7	4.7
142.5°	4.0	4.0	4.7	4.7	4.7	4.0	3.4	2.7	3.4	4.0	4.0
145°	2.7	3.4	3.4	3.4	3.4	2.7	2.0	2.0	2.7	3.4	3.4
147.5°	2.7	2.7	2.7	2.7	2.7	2.0	1.3	1.3	2.0	2.7	2.7
150°	2.0	2.0	2.7	2.7	2.0	1.3	0.7	0.7	1.3	2.0	2.0
152.5°	1.3	1.3	2.0	2.0	1.3	0.7	0.0	0.0	0.7	0.7	0.7
155°	1.3	1.3	1.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)