

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: P415501

Luminaire Tested: **LXF.LXT-PA1-50-740-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415501  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-740-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6005 lumens  
Efficiency: N/A  
Efficacy: 111.2 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 - G3

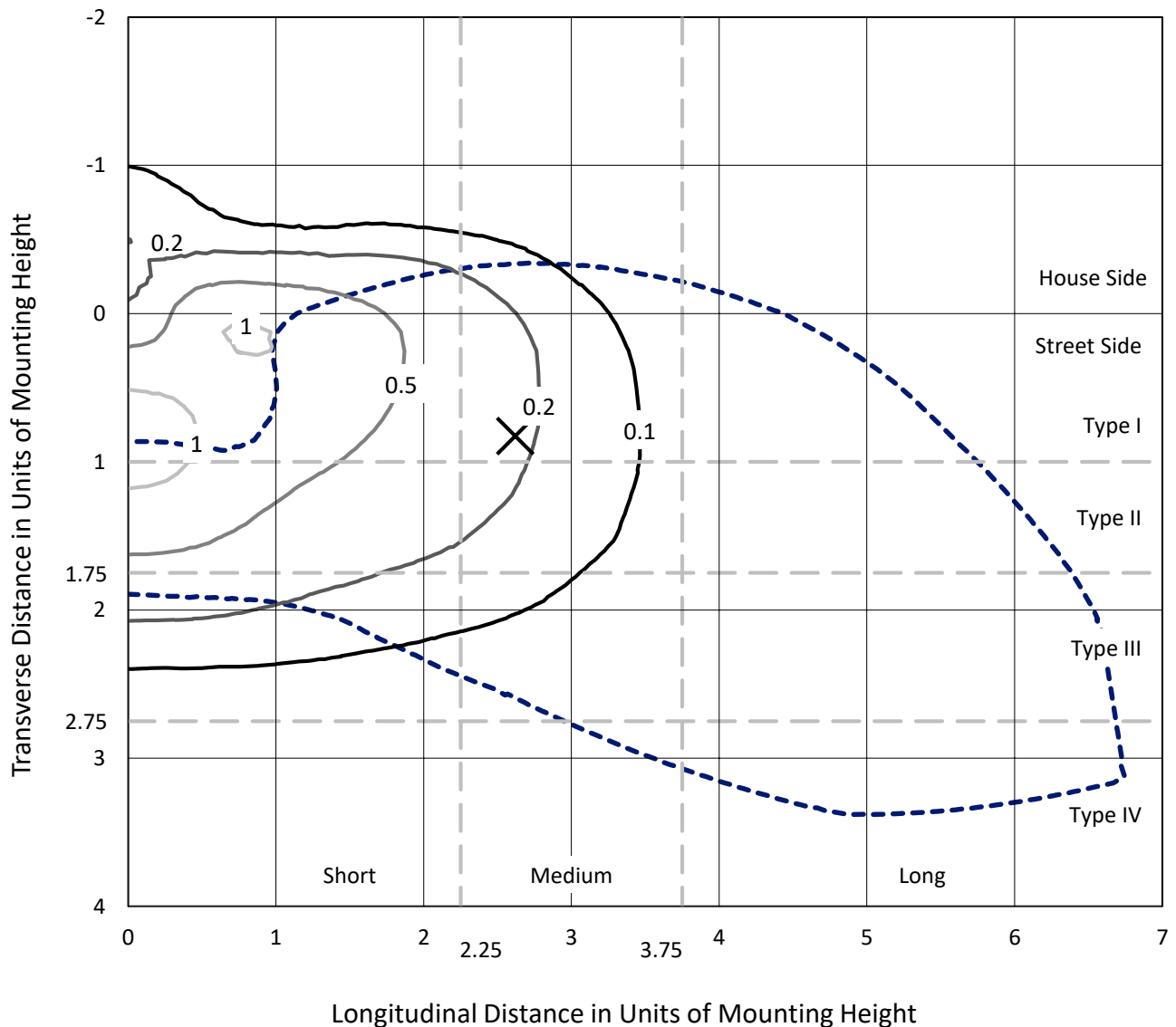
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

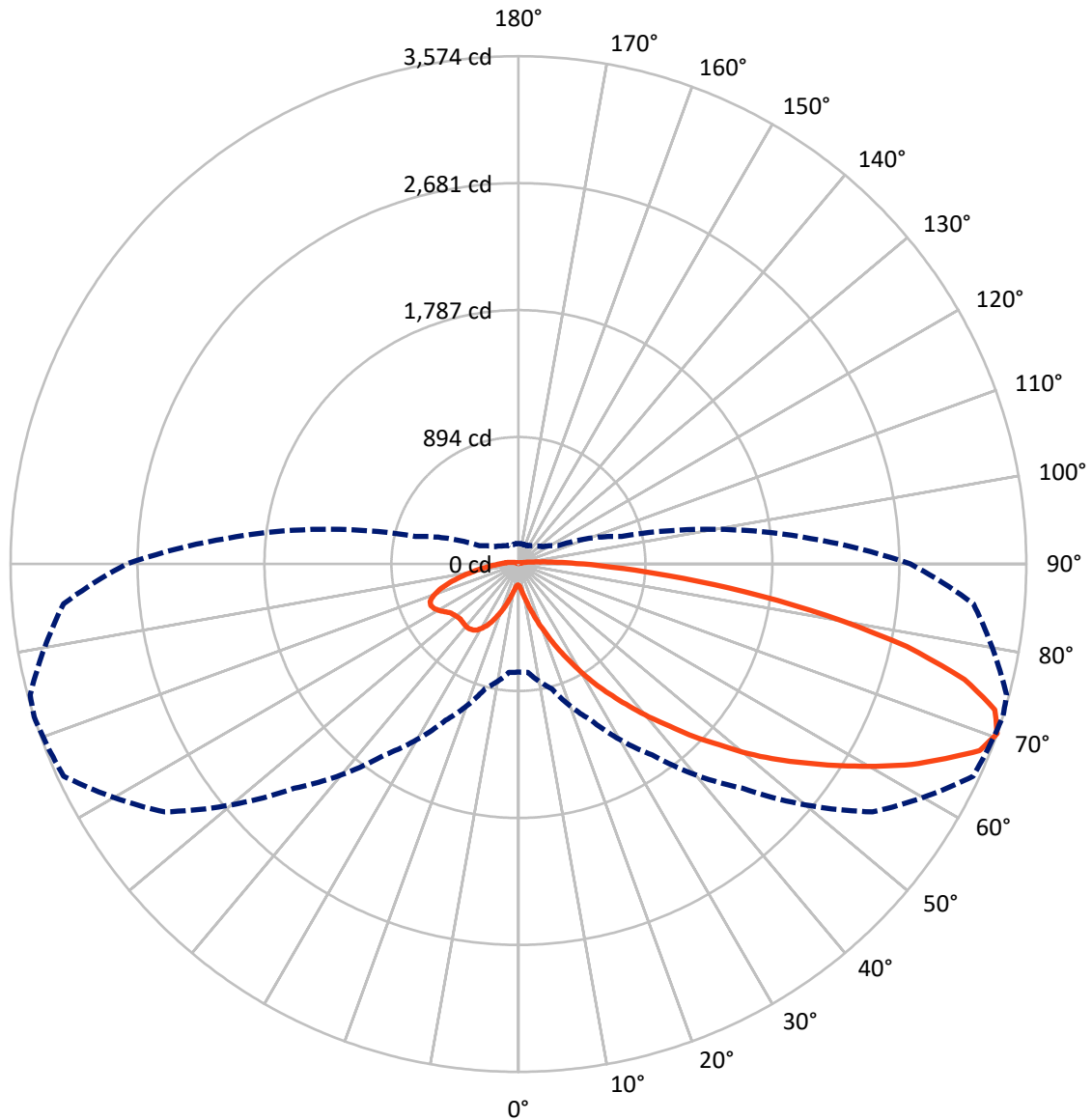
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1079.5	97.9	1177.4
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	4714.5	113.1	4827.6
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	5794.0	211.0	6005.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	16.9	0.3
10°-20°	81.3	1.4
20°-30°	226.9	3.8
30°-40°	470.3	7.8
40°-50°	812.4	13.5
50°-60°	1199.7	20.0
60°-70°	1416.0	23.6
70°-80°	1123.8	18.7
80°-90°	446.8	7.4
90°-100°	118.1	2.0
100°-110°	45.6	0.8
110°-120°	22.2	0.4
120°-130°	12.6	0.2
130°-140°	7.4	0.1
140°-150°	3.5	0.1
150°-160°	1.1	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	5794.0	96.5
0°-180°	6005.0	100.0

**Coefficient of Utilization**



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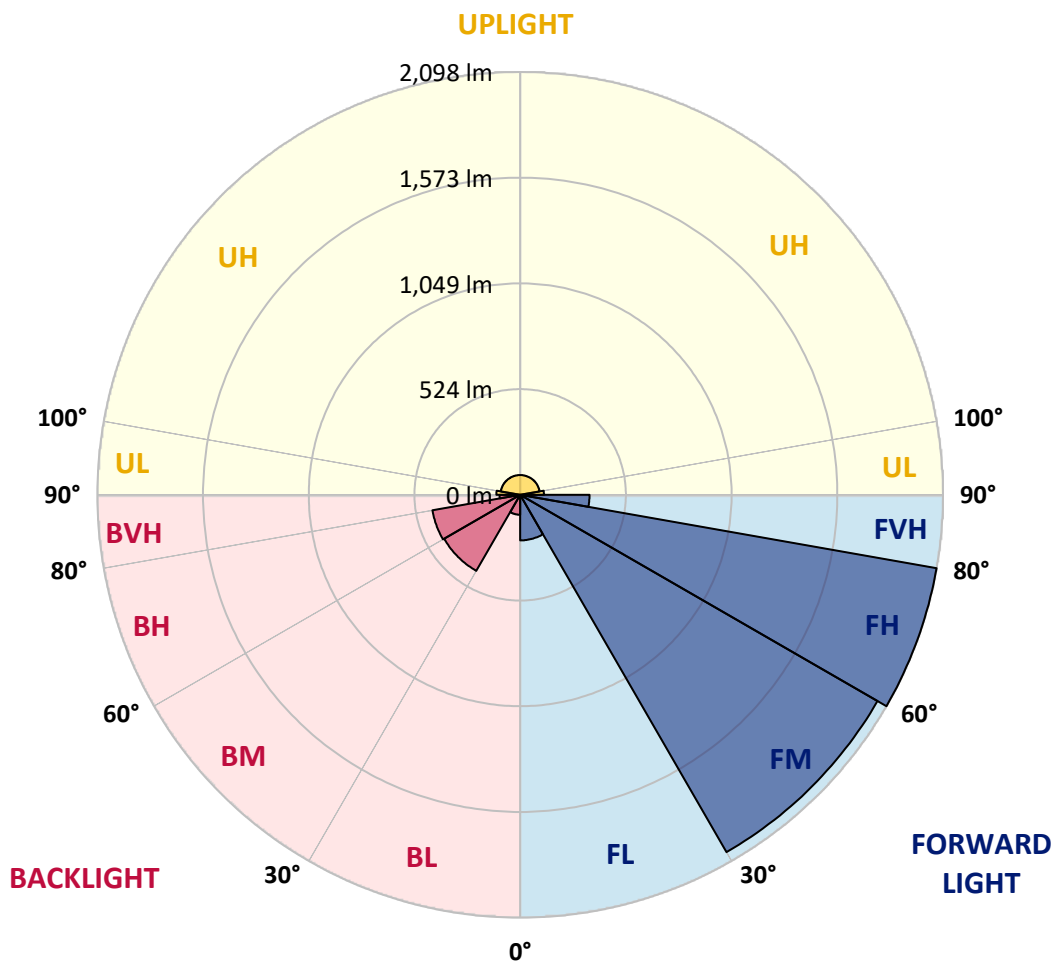
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.0	3.8			
FM	(30°-60°)	2046.8	34.1			
FH	(60°-80°)	2097.7	34.9			G2/5000
FVH	(80°-90°)	344.0	5.7			G3/500
BL	(0°-30°)	99.0	1.6	B0/110		
BM	(30°-60°)	435.6	7.3	B1/1000		
BH	(60°-80°)	442.1	7.4	B1/500		G1/500
BVH	(80°-90°)	102.7	1.7			G2/225
UL	(90°-100°)	118.1	2.0		U3/500	
UH	(100°-180°)	97.9	1.6		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
2.5°	168.8	169.5	168.8	168.8	167.3	166.6	162.4	159.6	157.5	156.0	153.9
5°	195.6	197.0	196.3	196.3	192.8	190.6	185.7	180.0	175.8	175.1	168.8
7.5°	231.6	230.9	228.1	227.4	225.9	222.4	215.4	206.9	202.6	201.2	192.1
10°	276.1	272.5	274.0	269.0	266.2	260.5	254.2	247.8	239.4	239.4	226.6
12.5°	320.6	328.3	326.2	319.1	313.5	304.3	296.6	294.4	284.5	286.0	274.0
15°	393.3	392.6	386.2	381.3	370.0	358.7	351.6	346.7	343.9	341.7	328.3
17.5°	470.2	466.0	461.1	446.2	430.0	420.1	413.8	408.8	412.3	411.6	395.4
20°	559.2	554.3	547.2	520.4	499.2	483.7	480.1	485.8	487.9	493.5	477.3
22.5°	658.1	655.9	639.0	608.6	572.6	552.1	548.6	562.0	578.3	581.1	569.8
25°	776.7	773.9	750.6	706.8	659.5	628.4	628.4	649.6	676.4	682.8	677.1
27.5°	903.8	896.7	866.3	812.7	747.7	707.5	702.5	740.7	778.1	796.4	789.4
30°	1049.9	1048.5	998.4	932.7	855.1	790.8	788.7	844.5	897.4	905.9	907.3
32.5°	1200.3	1212.3	1154.4	1056.3	962.4	886.8	883.3	946.1	1019.6	1034.4	1034.4
35°	1374.0	1374.7	1303.4	1206.0	1077.5	991.3	981.4	1056.3	1138.2	1158.7	1170.0
37.5°	1549.1	1544.9	1480.6	1346.5	1202.4	1098.6	1089.5	1177.7	1270.9	1304.1	1302.0
40°	1721.4	1733.4	1652.2	1503.9	1330.2	1225.0	1202.4	1306.2	1413.6	1451.0	1436.1
42.5°	1907.1	1904.3	1831.5	1666.3	1472.9	1347.2	1333.8	1441.1	1560.4	1602.8	1589.4
45°	2069.5	2068.1	1989.0	1823.8	1609.1	1488.4	1470.0	1583.7	1733.4	1772.9	1745.4
47.5°	2219.2	2215.7	2133.7	1965.7	1728.5	1623.3	1624.7	1741.2	1900.0	1965.0	1922.6
50°	2335.0	2323.0	2271.4	2090.0	1857.7	1765.2	1792.0	1929.0	2098.4	2157.0	2111.2
52.5°	2397.1	2378.8	2338.5	2176.8	1979.8	1905.7	1957.2	2119.6	2287.0	2342.7	2292.6
55°	2367.5	2367.5	2344.9	2229.8	2066.7	2034.2	2138.0	2301.8	2476.2	2537.6	2493.1
57.5°	2248.1	2266.5	2277.1	2215.7	2126.7	2161.3	2325.8	2509.4	2676.7	2744.5	2685.9
60°	2039.1	2044.1	2121.7	2139.4	2150.7	2269.3	2520.7	2739.6	2890.0	2943.6	2877.2
62.5°	1743.3	1766.6	1861.2	1991.8	2115.4	2359.0	2725.4	2971.1	3106.7	3142.7	3046.0
65°	1414.3	1408.6	1583.7	1779.3	2018.0	2385.1	2890.7	3195.7	3300.9	3348.9	3180.9
67.5°	1072.5	1069.0	1230.7	1517.3	1852.7	2357.6	3024.8	3386.3	3502.1	3503.5	3265.6
70°	760.4	766.1	909.4	1213.7	1639.5	2231.9	3041.1	3531.8	3574.1	3557.2	3214.0
72.5°	516.1	520.4	656.6	929.9	1357.1	2028.5	2905.5	3516.2	3506.4	3459.0	3002.2
75°	332.6	360.8	461.8	706.8	1098.6	1735.5	2642.1	3293.8	3242.3	3163.9	2634.4
77.5°	229.5	243.6	321.3	514.7	858.6	1433.3	2268.6	2846.9	2793.2	2697.2	2123.9
80°	155.3	161.7	221.0	384.8	675.7	1126.9	1848.5	2291.9	2199.4	2100.6	1592.9
82.5°	103.8	115.8	158.9	276.1	511.2	869.9	1405.8	1750.4	1603.5	1518.1	1119.1
85°	69.2	75.5	113.0	200.5	370.0	633.3	1011.8	1189.0	1059.8	984.3	715.3
87.5°	46.6	52.2	80.5	143.3	274.0	460.4	677.8	768.2	664.4	617.1	432.8
90°	31.1	34.6	59.3	103.1	193.5	321.3	457.5	474.5	407.4	378.5	264.8
92.5°	21.9	25.4	44.5	76.3	135.6	223.1	293.7	287.4	240.1	225.9	170.9
95°	16.9	19.8	34.6	58.6	98.9	153.2	191.3	175.1	151.8	146.9	117.9
97.5°	14.8	16.2	28.9	47.3	74.8	108.7	124.3	118.6	102.4	99.6	86.1
100°	13.4	14.8	25.4	41.0	60.0	79.8	89.0	82.6	74.1	72.0	63.5
102.5°	12.7	13.4	22.6	35.3	49.4	62.8	68.5	61.4	55.1	54.4	48.7
105°	12.0	12.7	19.8	30.4	41.7	51.5	53.7	48.0	43.1	41.0	36.7
107.5°	11.3	11.3	17.7	26.8	36.0	43.1	44.5	38.8	33.2	31.8	28.9
110°	10.6	11.3	16.2	24.0	31.8	37.4	37.4	31.8	26.1	24.7	23.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	10.6	10.6	14.8	21.2	28.2	32.5	31.8	26.1	21.2	19.1	19.1
115°	9.9	10.6	14.1	19.8	25.4	28.2	26.8	21.9	16.9	15.5	16.2
117.5°	9.9	10.6	12.7	17.7	22.6	24.7	23.3	18.4	14.1	13.4	14.8
120°	9.9	10.6	12.7	16.2	19.8	21.9	20.5	15.5	12.7	12.0	13.4
122.5°	10.6	10.6	12.0	14.8	18.4	19.8	17.7	13.4	11.3	10.6	12.0
125°	10.6	10.6	12.0	14.1	16.9	17.7	15.5	12.0	9.9	9.9	11.3
127.5°	10.6	10.6	12.0	13.4	15.5	15.5	14.1	10.6	9.2	9.2	10.6
130°	10.6	10.6	11.3	12.7	14.1	14.1	12.0	9.2	8.5	8.5	9.9
132.5°	11.3	11.3	11.3	12.0	12.7	12.7	10.6	8.5	7.8	7.8	9.9
135°	10.6	10.6	10.6	11.3	11.3	11.3	9.2	7.8	7.1	7.8	9.2
137.5°	9.9	9.9	10.6	10.6	10.6	9.9	7.8	6.4	6.4	7.1	8.5
140°	9.9	9.2	9.9	9.9	9.2	8.5	7.1	5.6	5.6	6.4	7.1
142.5°	8.5	8.5	8.5	8.5	7.8	7.1	5.6	4.9	5.6	5.6	6.4
145°	7.8	7.8	7.8	7.1	7.1	5.6	4.2	4.2	4.2	4.9	5.6
147.5°	6.4	6.4	6.4	6.4	5.6	4.9	2.8	3.5	3.5	3.5	4.2
150°	4.9	4.9	5.6	4.9	4.2	3.5	2.1	2.8	3.5	3.5	3.5
152.5°	4.2	4.2	4.2	4.2	3.5	2.1	2.1	2.8	2.8	2.8	3.5
155°	2.8	2.8	2.8	2.8	2.1	1.4	2.1	2.1	2.8	2.8	2.8
157.5°	1.4	1.4	2.1	2.1	1.4	1.4	1.4	2.1	2.1	2.1	2.1
160°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
162.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
165°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
167.5°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
170°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
172.5°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
175°	0.0	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.1
177.5°	0.0	0.7	1.4	1.4	2.1	1.4	1.4	1.4	1.4	1.4	2.1
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4	150.4
2.5°	152.5	151.1	148.3	145.5	143.3	141.2	139.8	137.7	136.3	136.3	136.3
5°	164.5	163.1	156.0	149.0	142.6	137.0	132.7	127.8	125.7	123.6	124.3
7.5°	188.5	183.6	172.3	160.3	149.7	138.4	129.9	122.9	118.6	115.8	115.8
10°	221.0	213.2	196.3	177.9	160.3	144.0	131.3	121.4	114.4	111.6	111.6
12.5°	262.7	254.9	228.8	201.2	174.4	151.1	134.9	122.2	114.4	110.9	110.9
15°	318.4	305.0	269.7	230.2	191.3	159.6	138.4	127.8	122.9	120.7	120.7
17.5°	384.8	365.0	319.1	259.8	208.3	168.0	147.6	137.7	133.4	132.7	132.7
20°	462.5	437.8	368.6	289.5	221.7	178.6	155.3	146.9	145.5	146.2	146.2
22.5°	550.7	514.7	419.4	316.3	234.4	185.0	161.0	153.9	155.3	158.9	158.2
25°	643.9	605.8	475.2	340.3	242.9	187.8	164.5	160.3	165.9	170.2	170.2
27.5°	752.7	693.4	526.0	357.3	245.0	185.7	165.2	163.1	170.9	177.2	178.6
30°	863.5	787.3	569.8	367.9	240.8	180.8	162.4	163.8	173.0	181.5	182.2
32.5°	975.8	876.2	605.8	370.0	233.7	174.4	159.6	162.4	172.3	181.5	182.9
35°	1087.4	959.6	629.8	362.2	222.4	168.0	154.6	159.6	169.5	180.0	181.5
37.5°	1196.8	1038.6	644.6	349.5	211.1	162.4	151.1	156.0	165.9	177.9	179.3
40°	1316.1	1123.4	653.1	334.7	199.8	157.5	149.0	153.9	163.8	175.1	177.2
42.5°	1425.6	1201.0	653.8	316.3	191.3	155.3	147.6	151.8	161.0	173.0	175.1
45°	1568.2	1280.8	653.8	300.8	185.7	154.6	147.6	151.1	159.6	172.3	175.1
47.5°	1703.0	1372.6	655.2	287.4	182.9	156.0	149.0	150.4	157.5	172.3	175.1
50°	1859.8	1460.9	666.5	277.5	182.2	158.9	151.1	149.7	155.3	170.9	174.4
52.5°	2015.8	1577.4	680.7	270.4	183.6	161.7	152.5	149.7	153.2	167.3	171.6
55°	2186.7	1688.2	696.2	271.1	186.4	164.5	154.6	149.0	150.4	161.7	165.9
57.5°	2357.6	1818.1	730.1	275.4	189.9	168.0	156.7	149.0	146.9	155.3	158.9
60°	2507.3	1932.5	765.4	284.5	194.9	171.6	158.2	148.3	144.0	149.0	151.8
62.5°	2665.4	2057.5	793.6	292.3	200.5	174.4	158.2	147.6	141.9	145.5	146.9
65°	2768.5	2131.6	808.5	302.2	206.2	176.5	158.9	146.2	141.2	143.3	144.7
67.5°	2821.5	2143.6	798.6	305.7	211.1	177.9	158.2	144.7	141.9	143.3	144.7
70°	2758.6	2063.8	751.3	303.6	212.5	177.9	156.7	143.3	141.9	144.0	144.7
72.5°	2531.3	1871.8	681.4	293.0	210.4	175.1	154.6	141.2	141.2	144.7	144.7
75°	2179.6	1595.7	589.6	276.8	204.8	170.9	150.4	137.7	139.1	144.0	144.0
77.5°	1745.4	1262.5	485.8	253.5	194.2	163.8	144.7	132.7	136.3	141.9	141.2
80°	1299.2	940.5	391.2	227.4	180.0	153.9	137.0	127.1	132.0	137.0	135.6
82.5°	865.6	660.2	309.3	199.8	165.2	144.0	128.5	119.3	125.7	130.6	128.5
85°	562.0	439.9	239.4	172.3	149.7	132.7	117.9	110.9	117.2	121.4	119.3
87.5°	350.2	295.1	182.2	146.9	133.4	120.0	108.7	101.0	107.3	111.6	108.7
90°	231.6	197.7	143.3	127.1	118.6	108.0	97.4	91.8	98.1	99.6	97.4
92.5°	152.5	139.8	116.5	108.7	104.5	96.0	88.3	83.3	88.3	89.0	87.6
95°	109.4	105.9	96.0	94.6	92.5	85.4	79.1	74.8	77.7	78.4	75.5
97.5°	83.3	82.6	81.9	81.9	80.5	75.5	69.9	66.4	67.8	67.1	65.0
100°	65.0	66.4	68.5	69.9	69.2	65.7	61.4	58.6	59.3	56.5	54.4
102.5°	50.8	53.7	57.2	59.3	59.3	56.5	54.4	51.5	49.4	45.9	45.2
105°	40.2	42.4	47.3	50.8	50.8	49.4	47.3	43.8	41.7	37.4	37.4
107.5°	31.8	34.6	40.2	43.1	43.8	42.4	41.0	38.1	34.6	30.4	30.4
110°	25.4	27.5	33.9	36.7	37.4	36.7	35.3	31.8	28.2	25.4	25.4



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CATALOG NUMBER: LXF.LXT-PA1-50-740-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.2	23.3	28.2	31.1	32.5	31.8	30.4	26.8	23.3	21.2	21.2
115°	18.4	20.5	24.0	26.8	27.5	27.5	25.4	23.3	19.1	18.4	18.4
117.5°	16.2	17.7	21.2	23.3	24.7	24.0	21.9	19.8	16.9	16.2	16.2
120°	14.8	16.2	19.1	21.2	21.2	20.5	19.1	16.9	14.8	14.1	14.8
122.5°	13.4	14.8	16.9	18.4	18.4	18.4	16.9	14.8	12.7	12.7	13.4
125°	12.7	13.4	15.5	16.2	16.9	16.2	14.8	12.7	11.3	12.0	12.0
127.5°	12.0	12.7	14.1	14.8	14.8	14.1	12.7	11.3	9.9	10.6	11.3
130°	11.3	12.0	12.7	13.4	13.4	12.7	11.3	9.9	9.2	9.9	9.9
132.5°	9.9	10.6	11.3	12.0	11.3	11.3	9.9	8.5	8.5	9.2	9.2
135°	9.2	9.9	9.9	10.6	9.9	9.9	8.5	7.8	7.8	8.5	8.5
137.5°	8.5	9.2	9.2	9.2	8.5	8.5	7.8	7.1	7.1	7.1	7.8
140°	7.8	7.8	7.8	7.8	7.1	7.1	6.4	5.6	6.4	6.4	6.4
142.5°	7.1	7.1	7.1	6.4	6.4	5.6	4.9	4.9	5.6	5.6	5.6
145°	5.6	5.6	5.6	4.9	4.9	4.2	4.2	4.2	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	4.2	3.5	3.5	3.5	3.5	4.2	4.2	4.2
150°	4.2	4.2	4.2	3.5	2.8	2.8	2.1	2.8	3.5	3.5	3.5
152.5°	3.5	3.5	3.5	3.5	2.8	1.4	2.1	2.8	2.8	2.8	2.8
155°	2.8	2.8	3.5	2.8	2.1	0.7	1.4	2.1	2.1	2.1	2.1
157.5°	2.8	2.8	2.8	2.1	1.4	0.7	1.4	1.4	2.1	1.4	2.1
160°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	1.4	1.4	1.4
162.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	1.4	0.7	0.7	0.7
165°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
170°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
175°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	2.1	2.1	2.1	2.1	1.4	0.7	0.7	0.7	0.7	0.7	0.7
180°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)