

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: P416537

Luminaire Tested: **LXF.LXT-PA1-70-830-U-SL3-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416537  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-830-U-SL3-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6047 lumens  
Efficiency: N/A  
Efficacy: 81.7 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

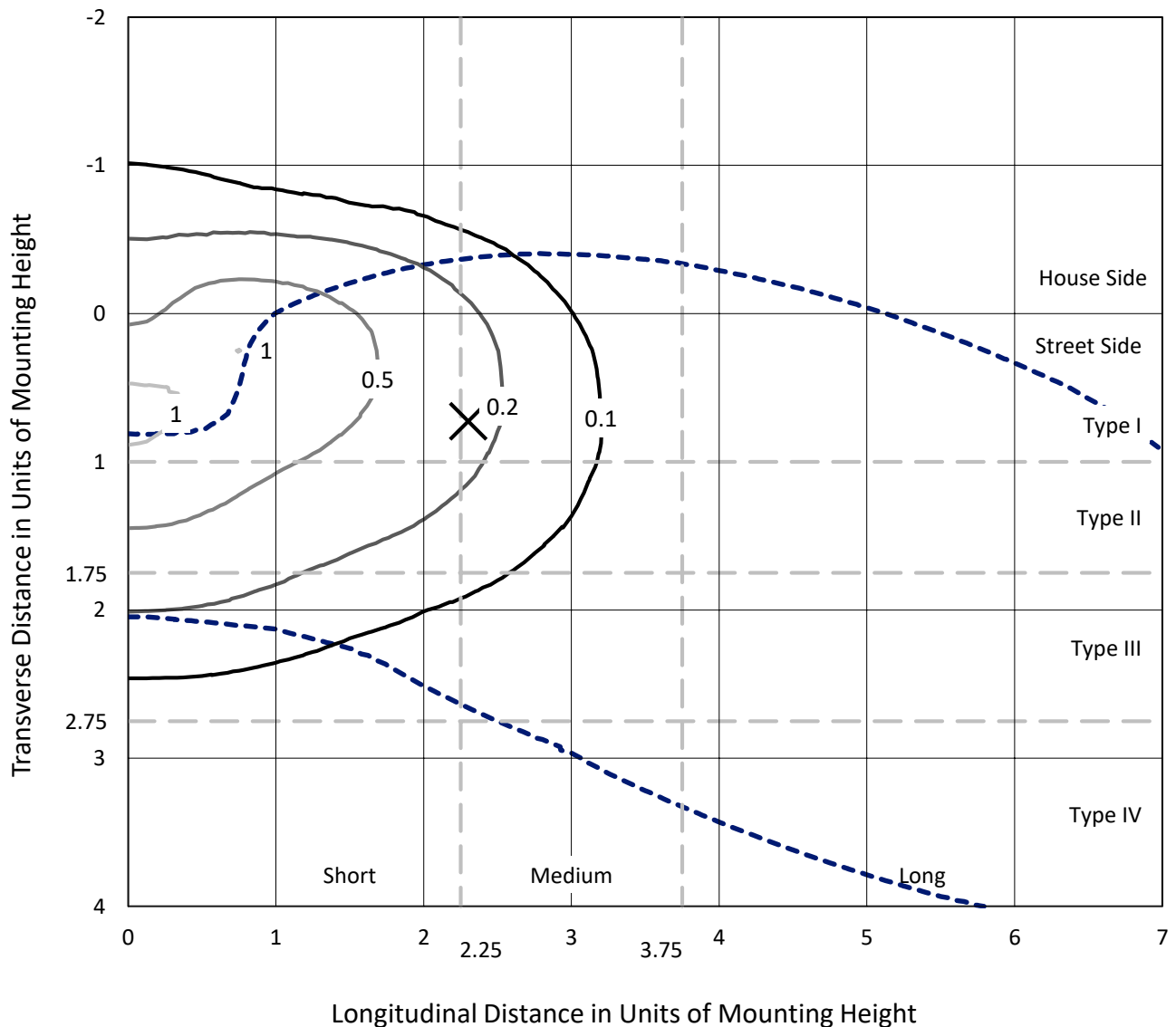
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

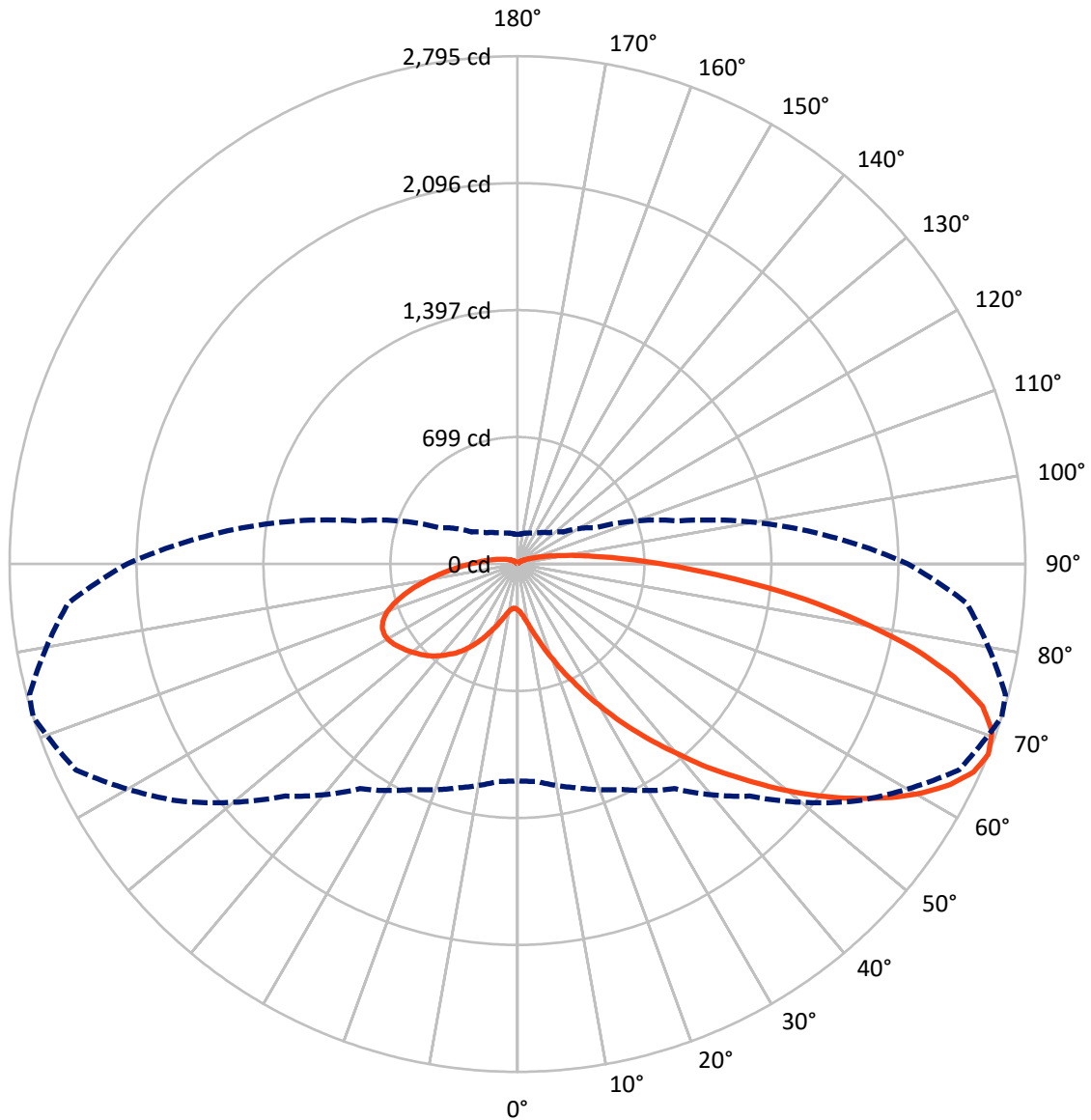
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1227.9	174.7	1402.6
	% Fixture	20.3	2.9	23.2
<b>Street Side</b>	Lumens	4305.7	338.6	4644.4
	% Fixture	71.2	5.6	76.8
<b>Total</b>	Lumens	5533.7	513.3	6047.0
	% Fixture	91.5	8.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.0	0.4
10°-20°	103.2	1.7
20°-30°	249.1	4.1
30°-40°	474.9	7.9
40°-50°	764.3	12.6
50°-60°	1057.6	17.5
60°-70°	1215.1	20.1
70°-80°	1043.0	17.2
80°-90°	600.5	9.9
90°-100°	271.4	4.5
100°-110°	124.7	2.1
110°-120°	62.7	1.0
120°-130°	32.5	0.5
130°-140°	15.5	0.3
140°-150°	5.3	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5533.7	91.5
0°-180°	6047.0	100.0



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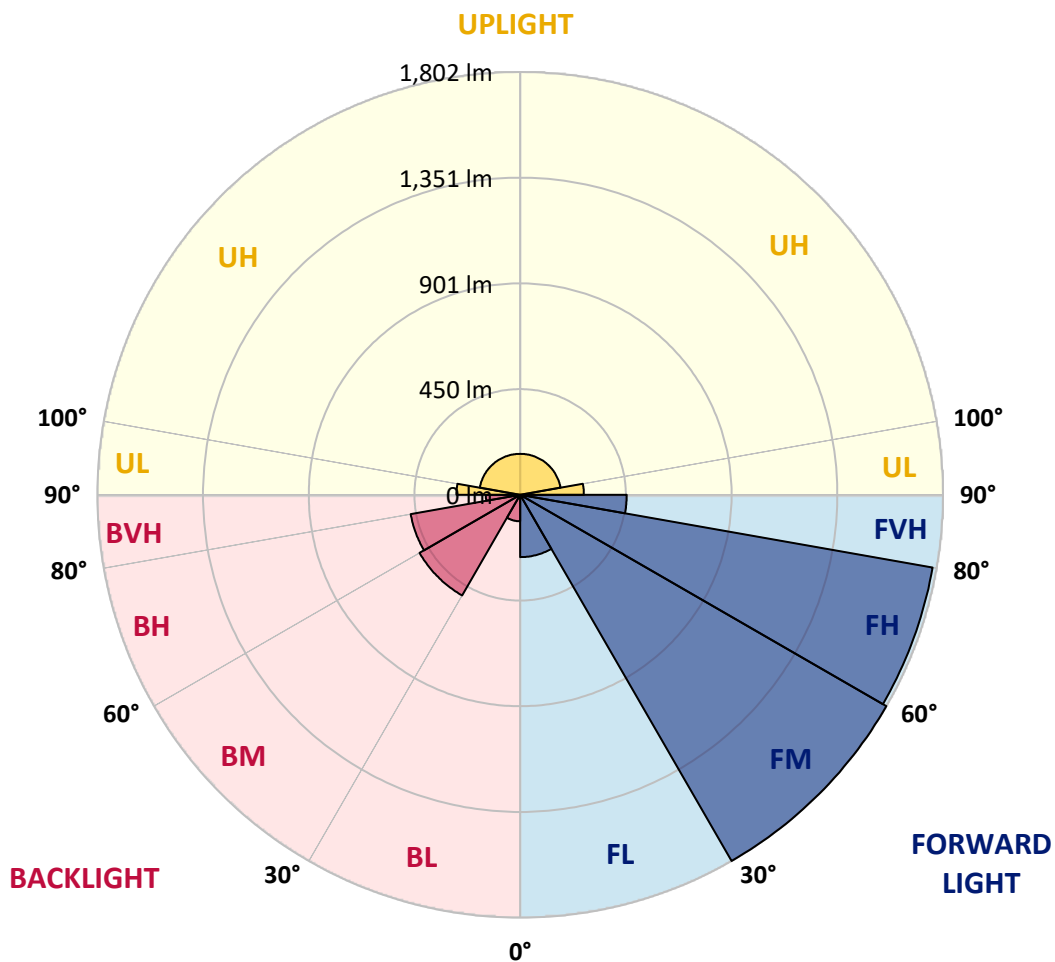
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	265.6	4.4			
FM	(30°-60°)	1801.6	29.8			
FH	(60°-80°)	1784.6	29.5			G1/1800
FVH	(80°-90°)	454.0	7.5			G3/500
BL	(0°-30°)	112.8	1.9	B1/500		
BM	(30°-60°)	495.1	8.2	B1/1000		
BH	(60°-80°)	473.5	7.8	B1/500		G1/500
BVH	(80°-90°)	146.5	2.4			G2/225
UL	(90°-100°)	271.4	4.5		U3/500	
UH	(100°-180°)	174.7	2.9		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°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
2.5°	282.8	282.1	282.8	280.6	278.4	274.1	271.2	265.3	262.4	261.0	255.2
5°	322.8	322.1	321.3	318.4	311.1	306.1	297.3	287.2	280.6	277.7	268.3
7.5°	366.4	364.9	363.5	356.9	351.9	343.1	330.0	317.0	306.1	303.9	286.4
10°	415.8	414.4	411.5	406.4	396.9	384.6	372.9	354.0	340.2	333.7	314.8
12.5°	466.7	469.6	466.0	455.8	444.9	433.3	416.6	398.4	383.8	378.8	349.7
15°	528.5	530.7	527.1	515.4	503.8	486.4	473.3	454.4	434.7	431.8	399.8
17.5°	596.9	596.1	588.9	577.9	567.8	554.0	535.1	517.6	495.8	490.7	451.5
20°	671.0	668.1	661.6	643.4	633.9	617.9	606.3	582.3	561.2	554.0	514.7
22.5°	745.2	743.7	737.9	721.2	709.5	695.7	678.3	656.5	641.9	627.4	583.8
25°	838.2	829.5	822.2	792.4	781.5	768.4	753.2	735.0	721.2	713.2	663.0
27.5°	931.3	924.7	908.0	886.2	865.1	844.0	837.5	821.5	817.1	810.6	753.9
30°	1023.6	1020.7	1002.5	974.9	944.3	924.0	920.4	921.8	915.3	907.3	846.9
32.5°	1128.3	1121.7	1101.4	1064.3	1032.3	1008.3	1008.3	1018.5	1024.3	1016.3	952.3
35°	1230.8	1225.0	1199.5	1153.7	1118.1	1089.0	1100.6	1124.6	1138.5	1138.5	1059.2
37.5°	1339.1	1326.0	1299.8	1251.9	1203.9	1182.8	1195.9	1237.3	1257.7	1257.7	1177.7
40°	1433.6	1432.9	1397.3	1339.8	1292.6	1261.3	1301.3	1356.5	1383.4	1381.3	1296.9
42.5°	1528.1	1527.4	1493.2	1430.0	1370.4	1354.4	1404.5	1482.3	1525.9	1525.9	1417.6
45°	1613.2	1607.4	1578.3	1508.5	1453.2	1446.0	1520.1	1619.0	1664.1	1671.3	1548.5
47.5°	1675.7	1670.6	1645.2	1577.5	1525.2	1538.3	1627.7	1753.5	1814.5	1813.8	1682.2
50°	1717.9	1712.8	1691.0	1632.8	1587.7	1620.4	1744.8	1896.0	1972.3	1978.1	1814.5
52.5°	1730.2	1727.3	1715.7	1667.7	1638.6	1694.6	1854.5	2041.4	2127.9	2133.0	1959.2
55°	1709.1	1709.1	1708.4	1679.3	1667.7	1760.7	1967.9	2183.1	2276.9	2286.4	2101.7
57.5°	1659.7	1661.9	1675.0	1665.5	1683.0	1813.8	2063.9	2311.1	2424.5	2430.3	2228.9
60°	1584.8	1580.5	1609.5	1627.0	1674.2	1847.3	2149.0	2439.7	2558.2	2560.4	2340.9
62.5°	1471.4	1473.6	1515.8	1561.6	1643.0	1861.1	2223.8	2552.4	2672.4	2677.5	2428.1
65°	1337.6	1342.7	1400.2	1477.2	1589.2	1846.5	2266.7	2638.9	2758.9	2752.3	2478.3
67.5°	1193.0	1200.2	1275.1	1368.9	1509.2	1805.8	2274.0	2680.4	2794.5	2780.0	2482.6
70°	1034.5	1053.4	1128.3	1250.4	1406.0	1728.0	2231.8	2673.1	2770.5	2756.7	2417.9
72.5°	890.6	904.4	986.5	1113.7	1290.4	1615.4	2142.4	2589.5	2676.7	2649.1	2282.7
75°	747.3	768.4	846.2	982.2	1165.4	1475.8	1990.5	2428.1	2481.9	2452.1	2081.3
77.5°	625.2	644.1	721.2	852.0	1028.0	1329.6	1791.3	2183.1	2227.5	2196.9	1826.9
80°	509.6	530.7	605.6	734.3	899.3	1158.1	1563.0	1896.7	1913.4	1865.4	1546.3
82.5°	426.0	436.9	506.7	620.1	772.1	998.9	1328.9	1591.4	1592.1	1534.7	1256.2
85°	348.2	354.8	418.7	521.2	651.4	844.0	1091.2	1281.7	1267.1	1235.9	968.3
87.5°	282.1	288.6	346.0	438.4	548.1	704.4	890.6	1009.0	974.9	950.2	751.7
90°	231.2	238.4	285.7	365.7	460.2	581.6	708.8	780.1	749.5	730.6	579.4
92.5°	189.0	196.3	237.7	306.1	389.7	476.2	563.4	596.9	575.8	554.0	436.9
95°	159.9	161.4	198.5	255.9	322.1	384.6	441.3	460.9	431.8	423.8	338.0
97.5°	131.6	135.9	165.0	215.9	269.0	320.6	349.7	359.9	333.7	316.2	258.8
100°	112.0	114.1	139.6	180.3	223.9	261.0	283.5	278.4	255.2	245.0	196.3
102.5°	96.0	98.1	118.5	156.3	190.5	217.4	228.3	220.3	198.5	191.9	154.1
105°	84.3	85.1	101.8	132.3	161.4	183.9	188.3	175.9	154.8	146.1	121.4
107.5°	74.9	75.6	88.7	114.9	139.6	154.8	156.3	142.5	122.1	115.6	97.4
110°	66.9	68.3	77.8	99.6	120.7	132.3	130.9	116.3	97.4	91.6	80.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	60.3	61.8	69.1	87.2	104.7	114.9	111.2	93.8	77.8	74.2	66.2
115°	55.3	56.7	62.5	77.1	92.3	99.6	93.8	77.8	64.0	59.6	55.3
117.5°	51.6	52.3	56.7	68.3	80.0	85.8	79.2	64.7	52.3	49.4	47.3
120°	48.0	48.7	52.3	60.3	70.5	73.4	66.9	53.1	43.6	42.2	41.4
122.5°	45.1	45.1	48.0	53.8	61.1	63.2	56.7	44.3	37.1	35.6	36.3
125°	42.2	42.2	43.6	48.0	53.1	54.5	47.3	37.1	31.3	30.5	32.0
127.5°	39.3	39.3	40.0	42.9	45.8	45.8	39.3	30.5	26.9	26.2	28.4
130°	36.3	36.3	36.3	37.8	39.3	38.5	32.0	25.4	23.3	23.3	24.7
132.5°	33.4	33.4	33.4	33.4	32.7	31.3	26.2	20.4	20.4	20.4	21.8
135°	29.8	29.8	29.8	29.1	27.6	25.4	20.4	16.7	16.7	17.4	18.9
137.5°	26.9	26.9	26.2	24.7	22.5	19.6	16.0	13.1	14.5	14.5	16.0
140°	23.3	23.3	22.5	20.4	17.4	14.5	11.6	10.9	11.6	12.4	13.8
142.5°	19.6	19.6	18.9	16.7	13.8	10.2	8.0	8.0	9.5	9.5	10.9
145°	16.0	16.0	15.3	13.1	9.5	6.5	5.1	5.8	7.3	7.3	8.0
147.5°	12.4	12.4	11.6	9.5	6.5	4.4	2.9	4.4	5.1	5.1	5.8
150°	8.7	8.7	8.0	6.5	4.4	2.2	1.5	2.2	2.9	3.6	3.6
152.5°	5.8	5.8	5.1	4.4	2.2	0.7	1.5	2.2	2.2	2.2	2.9
155°	3.6	2.9	2.9	2.2	0.7	0.0	0.7	1.5	1.5	1.5	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	1.5	1.5
160°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3	252.3
2.5°	253.7	250.8	246.4	242.1	237.7	234.8	231.9	230.5	228.3	226.1	226.1
5°	262.4	256.6	246.4	236.3	226.8	218.8	210.8	206.5	203.6	200.6	201.4
7.5°	278.4	269.7	253.0	236.3	221.0	207.9	197.0	188.3	182.5	178.8	179.6
10°	301.0	291.5	266.1	242.1	220.3	201.4	186.1	173.7	166.5	162.8	162.8
12.5°	336.6	320.6	287.2	253.0	223.9	198.5	178.8	164.3	154.1	149.8	149.0
15°	379.5	356.9	316.2	274.1	232.6	198.5	173.0	162.8	156.3	153.4	152.7
17.5°	430.4	405.7	349.7	293.7	244.3	202.8	181.0	168.7	161.4	158.5	157.8
20°	485.6	456.5	386.0	318.4	255.9	215.9	189.0	173.7	165.8	162.8	162.8
22.5°	553.2	514.7	425.3	340.2	270.4	226.8	197.0	178.1	170.8	167.9	167.2
25°	623.0	579.4	471.8	363.5	286.4	235.5	202.8	182.5	175.2	172.3	173.0
27.5°	705.2	649.2	517.6	386.8	300.2	240.6	205.7	186.1	178.8	176.7	177.4
30°	791.0	720.4	558.3	410.7	309.7	244.3	207.9	189.0	181.0	179.6	179.6
32.5°	881.8	801.9	600.5	431.8	315.5	245.0	207.9	190.5	182.5	181.7	182.5
35°	974.9	880.4	641.2	448.5	318.4	244.3	207.2	191.9	182.5	182.5	182.5
37.5°	1078.1	957.4	675.4	460.2	319.1	242.1	206.5	191.2	182.5	182.5	183.2
40°	1184.3	1039.6	713.2	469.6	318.4	240.6	205.7	191.2	182.5	182.5	183.2
42.5°	1289.7	1115.9	748.8	475.4	317.0	239.2	205.0	191.2	182.5	181.0	181.7
45°	1403.8	1204.6	783.0	479.1	315.5	238.4	205.0	190.5	182.5	179.6	180.3
47.5°	1509.9	1286.8	810.6	483.4	314.8	238.4	205.7	190.5	181.7	178.8	178.8
50°	1629.9	1371.8	838.9	484.9	313.3	238.4	205.7	190.5	181.0	176.7	177.4
52.5°	1748.4	1457.6	866.6	487.8	313.3	239.2	206.5	190.5	180.3	174.5	174.5
55°	1861.8	1533.9	891.3	490.0	313.3	240.6	208.6	190.5	179.6	172.3	172.3
57.5°	1965.8	1612.4	916.0	490.7	313.3	242.1	208.6	191.2	178.8	170.1	170.1
60°	2058.1	1680.1	933.4	491.4	312.6	243.5	210.1	190.5	178.1	167.9	167.9
62.5°	2123.5	1731.7	942.2	489.3	312.6	243.5	210.8	190.5	177.4	167.2	166.5
65°	2160.6	1749.8	937.1	482.7	311.1	243.5	210.1	189.7	175.9	165.8	165.0
67.5°	2148.2	1730.2	915.3	472.5	307.5	242.8	210.1	188.3	175.9	165.0	163.6
70°	2081.3	1671.3	873.8	457.3	302.4	239.9	207.2	186.1	174.5	164.3	162.8
72.5°	1950.5	1552.8	813.5	433.3	293.7	235.5	203.6	182.5	171.6	162.1	159.9
75°	1768.7	1411.8	740.1	408.6	282.8	229.7	199.2	178.8	167.9	159.2	157.0
77.5°	1535.4	1223.5	658.6	376.6	269.0	221.7	193.4	173.0	162.8	154.8	151.9
80°	1293.3	1030.9	570.7	343.1	254.4	211.6	184.7	165.8	156.3	149.0	145.4
82.5°	1046.9	846.9	488.5	311.1	237.7	199.9	175.9	157.8	149.0	141.0	137.4
85°	825.9	669.5	409.3	277.7	220.3	188.3	165.8	148.3	140.3	131.6	127.9
87.5°	642.7	531.4	342.4	247.2	201.4	175.2	154.8	138.9	129.4	121.4	118.5
90°	500.9	418.7	286.4	218.1	184.7	162.1	143.2	128.7	119.2	111.2	107.6
92.5°	381.7	331.5	239.9	192.6	167.9	149.0	132.3	118.5	109.0	100.3	96.7
95°	298.8	263.2	202.8	169.4	151.2	135.2	121.4	108.3	98.1	88.7	86.5
97.5°	231.9	210.8	170.8	148.3	136.7	122.1	109.8	98.1	88.0	78.5	76.3
100°	183.2	167.9	144.7	131.6	121.4	109.8	98.9	88.7	77.8	67.6	66.9
102.5°	144.7	138.1	122.9	115.6	107.6	98.9	89.4	78.5	67.6	58.2	57.4
105°	118.5	112.7	105.4	101.1	96.0	88.0	79.2	69.8	58.9	50.2	50.2
107.5°	96.0	93.1	89.4	88.7	85.1	78.5	71.2	61.8	50.9	43.6	43.6
110°	78.5	77.8	77.8	77.8	75.6	70.5	63.2	53.8	42.9	37.8	37.8



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CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	66.2	66.2	66.9	68.3	66.9	61.8	55.3	46.5	37.1	32.7	32.7
115°	56.0	56.7	58.9	59.6	58.9	55.3	48.7	40.0	31.3	28.4	29.1
117.5°	48.7	48.7	51.6	53.1	52.3	48.7	42.2	34.2	26.9	25.4	25.4
120°	42.2	43.6	45.8	46.5	45.8	42.2	37.1	29.1	23.3	22.5	22.5
122.5°	37.1	37.8	40.0	41.4	40.0	37.1	31.3	24.7	19.6	19.6	20.4
125°	32.7	33.4	34.9	36.3	34.9	31.3	26.9	20.4	17.4	17.4	17.4
127.5°	29.1	29.8	31.3	31.3	29.8	26.9	22.5	17.4	14.5	15.3	15.3
130°	25.4	26.2	26.9	26.9	26.2	23.3	18.9	14.5	13.1	13.8	13.8
132.5°	22.5	23.3	23.3	23.3	21.8	19.6	16.0	12.4	11.6	12.4	12.4
135°	19.6	19.6	20.4	19.6	18.2	16.0	12.4	10.2	10.2	10.9	10.9
137.5°	16.7	17.4	17.4	16.0	14.5	12.4	10.2	8.7	8.7	9.5	9.5
140°	13.8	14.5	13.8	13.1	11.6	10.2	8.0	6.5	7.3	8.0	8.0
142.5°	11.6	11.6	11.6	10.2	8.7	7.3	5.8	5.8	6.5	6.5	7.3
145°	8.7	8.7	8.7	8.0	6.5	5.1	4.4	4.4	5.1	5.8	5.8
147.5°	6.5	6.5	6.5	5.8	4.4	3.6	2.9	3.6	4.4	5.1	4.4
150°	4.4	4.4	4.4	3.6	2.9	2.2	2.2	2.9	3.6	3.6	3.6
152.5°	2.9	2.9	2.9	2.9	2.2	0.7	1.5	2.2	2.9	2.9	2.9
155°	2.2	2.2	2.2	2.2	1.5	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)