

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: P416516

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416516  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-827-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5854 lumens  
Efficiency: N/A  
Efficacy: 79.1 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

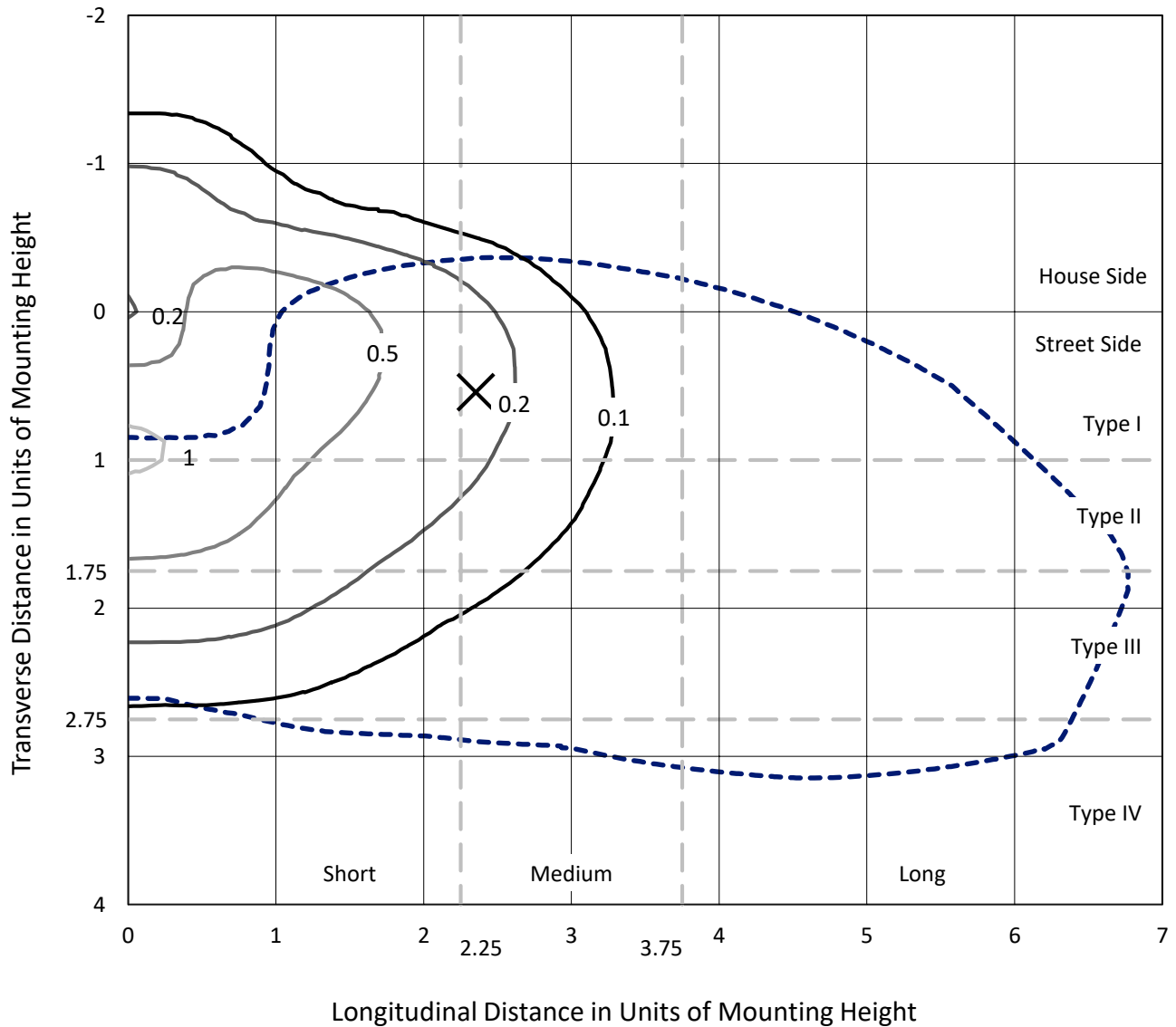
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

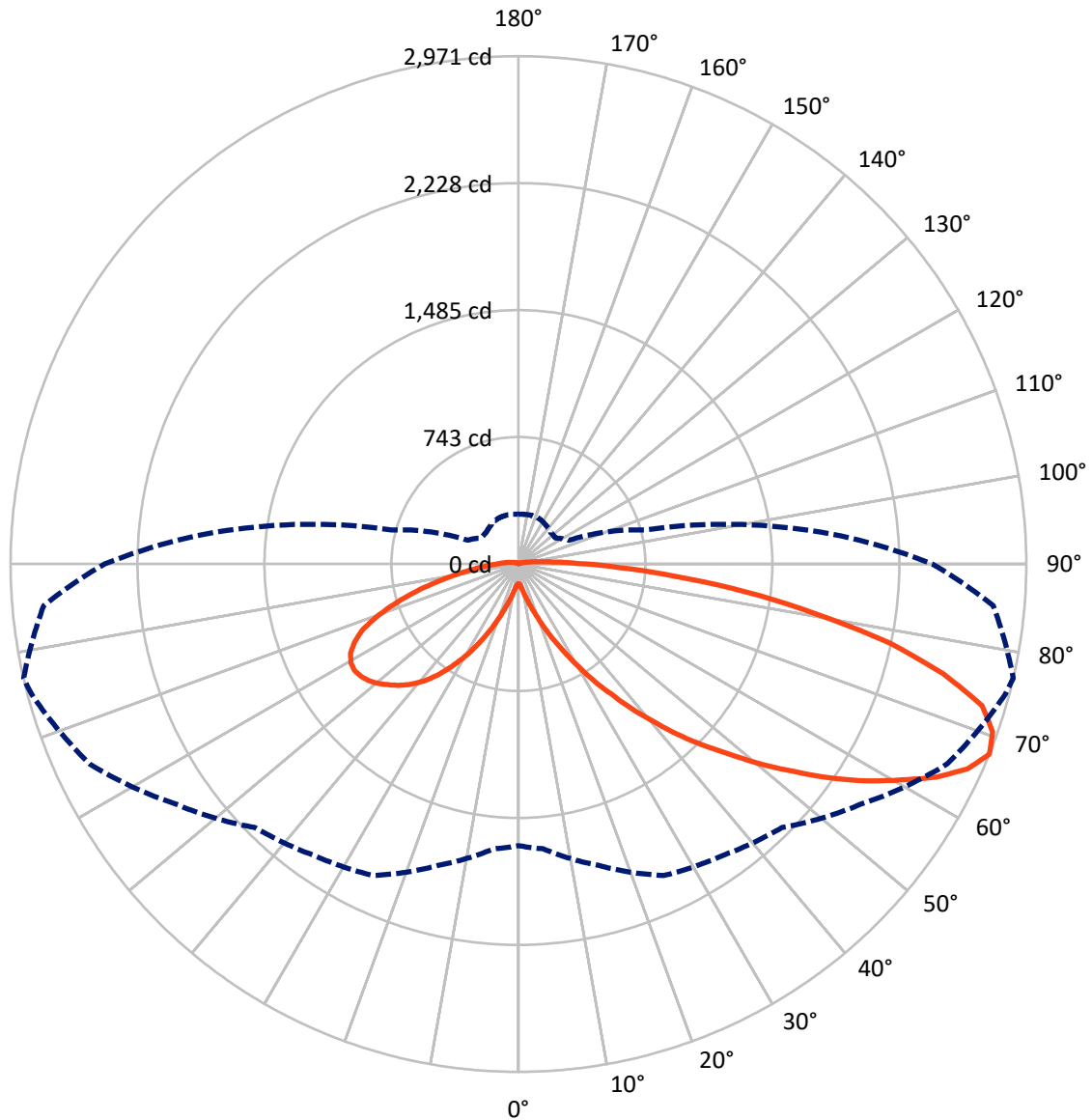
× Max cd  
 - - - 1/2 Max cd



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 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1335.5	87.9	1423.5
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	4332.6	98.0	4430.5
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	5668.1	185.9	5854.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.3	0.2
10°-20°	67.9	1.2
20°-30°	202.8	3.5
30°-40°	449.3	7.7
40°-50°	804.6	13.7
50°-60°	1205.0	20.6
60°-70°	1420.4	24.3
70°-80°	1084.4	18.5
80°-90°	420.4	7.2
90°-100°	107.1	1.8
100°-110°	40.5	0.7
110°-120°	19.1	0.3
120°-130°	10.2	0.2
130°-140°	5.6	0.1
140°-150°	2.5	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5668.1	96.8
0°-180°	5854.0	100.0



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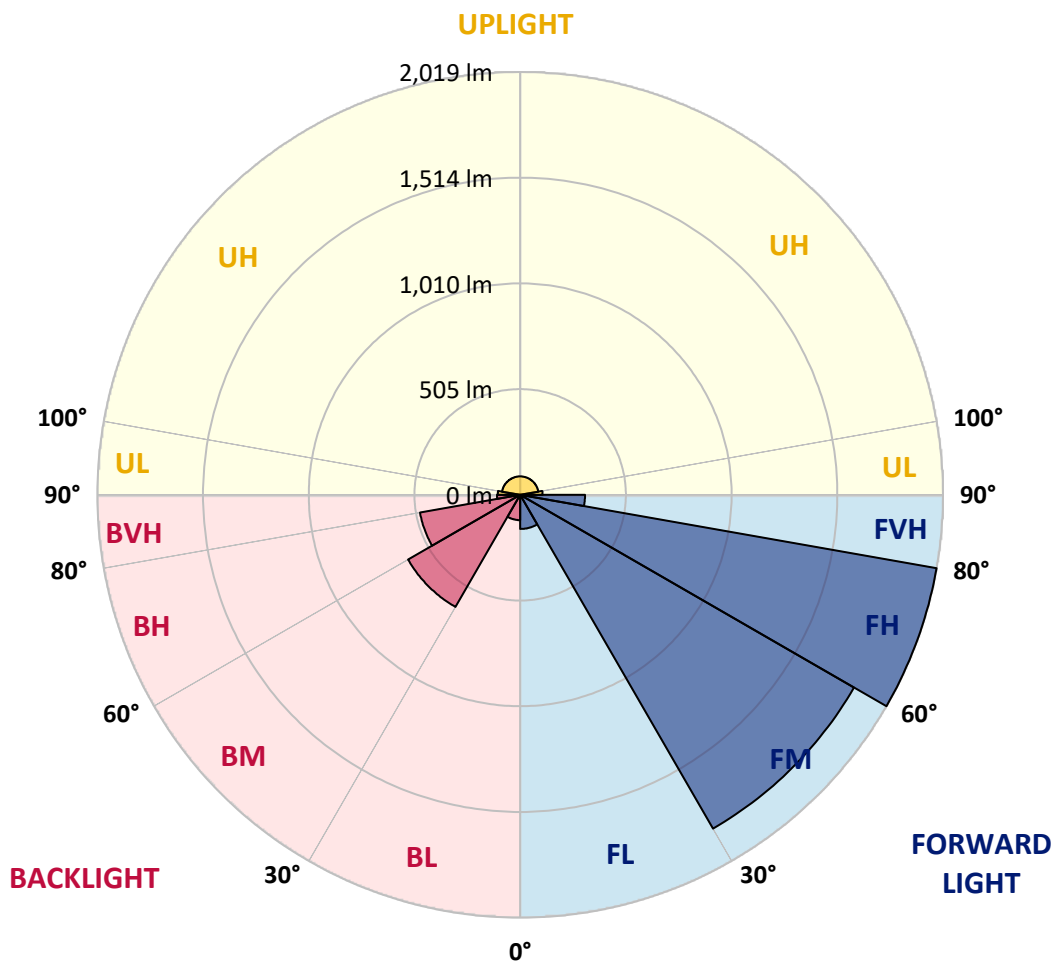
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.2	2.8			
FM	(30°-60°)	1840.6	31.4			
FH	(60°-80°)	2019.1	34.5			G2/5000
FVH	(80°-90°)	309.6	5.3			G3/500
BL	(0°-30°)	120.9	2.1	B1/500		
BM	(30°-60°)	618.2	10.6	B1/1000		
BH	(60°-80°)	485.7	8.3	B1/500		G1/500
BVH	(80°-90°)	110.8	1.9			G2/225
UL	(90°-100°)	107.1	1.8		U3/500	
UH	(100°-180°)	87.9	1.5		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°	75°	77°	85°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	121.7	121.1	121.7	121.7	122.4	121.1	119.7	119.0	118.4	118.4	117.7
5°	134.5	133.2	133.8	134.5	133.8	132.5	130.5	129.8	128.5	128.5	127.1
7.5°	152.7	152.7	152.0	150.6	152.0	150.0	148.6	148.0	145.9	145.3	144.6
10°	180.2	178.9	178.2	176.9	175.5	174.9	172.2	172.2	168.8	170.2	168.1
12.5°	215.9	213.2	213.9	211.2	207.1	204.5	203.1	202.4	202.4	202.4	201.8
15°	258.9	256.9	256.2	250.2	246.1	242.8	240.1	240.8	244.1	244.8	242.1
17.5°	308.0	311.4	305.3	300.0	293.9	287.2	287.2	287.2	289.9	291.9	290.5
20°	376.6	369.9	363.2	354.4	344.3	339.0	336.3	344.3	349.0	352.4	351.1
22.5°	451.9	445.2	437.8	423.7	409.6	399.5	399.5	409.6	420.3	424.4	425.7
25°	537.4	541.4	523.2	501.7	476.2	467.4	468.8	483.6	499.7	503.1	511.1
27.5°	642.9	642.9	627.5	593.2	559.6	542.1	543.4	567.6	591.8	596.5	602.6
30°	771.4	766.7	745.8	700.1	655.7	622.8	628.8	658.4	696.8	700.8	708.2
32.5°	914.7	914.0	873.6	817.1	753.2	714.2	716.9	760.0	807.7	819.2	827.2
35°	1073.4	1077.4	1025.0	942.9	868.9	816.5	825.2	874.3	930.1	932.8	942.9
37.5°	1255.0	1252.9	1190.4	1100.9	990.7	934.8	928.1	994.7	1053.2	1070.7	1065.3
40°	1456.1	1434.5	1374.0	1263.0	1127.2	1052.5	1053.9	1122.5	1201.8	1207.2	1205.9
42.5°	1654.5	1645.0	1571.7	1421.8	1276.5	1188.4	1191.7	1257.7	1339.7	1360.5	1345.8
45°	1868.3	1844.8	1765.4	1610.7	1433.9	1338.4	1329.6	1403.6	1493.7	1509.9	1495.7
47.5°	2041.2	2026.4	1956.4	1791.6	1602.7	1480.3	1466.8	1557.6	1660.5	1661.8	1641.0
50°	2184.4	2177.0	2121.9	1975.9	1766.1	1639.0	1624.9	1715.0	1822.6	1840.1	1809.8
52.5°	2308.2	2296.1	2268.5	2124.6	1914.7	1774.8	1772.8	1871.7	2006.2	2014.3	1985.3
55°	2347.8	2355.2	2351.2	2249.6	2060.7	1909.3	1926.2	2059.3	2179.7	2208.0	2153.5
57.5°	2341.8	2341.8	2380.1	2333.7	2158.2	2031.1	2067.4	2228.1	2384.8	2393.6	2328.3
60°	2250.3	2252.3	2344.5	2357.3	2228.1	2135.3	2220.7	2399.6	2560.4	2565.7	2504.5
62.5°	2118.5	2113.8	2249.0	2313.5	2236.9	2197.2	2330.4	2549.6	2725.8	2744.0	2651.8
65°	1912.7	1921.4	2067.4	2195.8	2191.1	2220.7	2415.8	2684.8	2860.3	2886.5	2753.4
67.5°	1647.1	1672.6	1825.9	2010.2	2081.5	2179.7	2447.4	2767.5	2947.7	2970.6	2787.7
70°	1364.6	1358.5	1524.6	1756.0	1895.2	2074.8	2412.4	2770.9	2949.8	2942.4	2714.4
72.5°	1035.0	1060.6	1209.9	1445.3	1651.8	1875.7	2298.7	2684.8	2836.8	2835.4	2520.7
75°	735.8	751.2	883.0	1118.4	1364.6	1643.0	2072.1	2497.1	2608.8	2568.4	2240.2
77.5°	485.6	499.7	613.4	827.9	1055.9	1350.5	1767.4	2169.6	2258.4	2216.7	1882.4
80°	302.0	308.7	394.8	564.9	767.4	1046.5	1431.2	1774.2	1809.1	1766.8	1449.3
82.5°	179.6	184.9	246.8	362.5	546.8	762.0	1078.8	1359.9	1371.3	1342.4	1045.1
85°	110.3	117.7	157.4	242.1	364.5	537.4	751.9	944.9	953.0	919.4	690.7
87.5°	72.0	76.0	106.9	157.4	245.5	359.8	503.7	628.8	610.7	589.8	436.5
90°	49.1	51.8	73.3	108.3	166.1	238.1	318.8	393.4	364.5	348.4	265.0
92.5°	34.3	37.0	53.8	78.0	115.0	159.4	207.1	235.4	223.3	215.9	166.8
95°	26.9	28.2	41.0	60.5	85.4	113.0	137.2	145.9	138.5	133.2	112.3
97.5°	21.5	22.9	34.3	49.1	66.6	84.1	95.5	98.2	90.8	88.1	78.0
100°	18.2	19.5	28.9	41.0	54.5	66.6	71.3	70.6	64.6	63.2	56.5
102.5°	16.1	16.8	25.6	35.6	46.4	53.8	56.5	53.1	47.1	46.4	42.4
105°	14.1	15.5	22.2	30.9	39.7	45.7	45.7	41.7	35.0	34.3	32.3
107.5°	13.5	13.5	19.5	26.9	34.3	38.3	38.3	33.6	27.6	26.2	24.9
110°	12.1	12.8	17.5	23.5	29.6	33.0	32.3	26.9	20.8	20.2	19.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	11.4	11.4	15.5	20.8	25.6	28.2	26.9	22.2	16.8	16.1	15.5
115°	10.8	10.8	14.1	18.8	22.9	24.9	22.9	18.2	13.5	12.8	13.5
117.5°	10.1	10.8	12.8	16.8	20.2	21.5	19.5	15.5	11.4	10.8	11.4
120°	10.1	10.1	12.1	14.8	17.5	18.8	16.8	12.8	9.4	9.4	10.1
122.5°	10.1	10.1	11.4	13.5	15.5	16.1	14.1	10.8	8.7	8.7	9.4
125°	9.4	9.4	10.8	12.1	14.1	14.1	12.8	9.4	7.4	7.4	8.7
127.5°	9.4	9.4	10.1	11.4	12.8	12.8	10.8	8.1	6.7	7.4	8.1
130°	8.7	8.7	9.4	10.1	11.4	10.8	9.4	7.4	6.1	6.7	7.4
132.5°	8.7	8.7	8.7	9.4	10.1	9.4	8.1	6.1	6.1	6.1	6.7
135°	8.1	8.1	8.7	8.7	8.7	8.1	6.7	5.4	5.4	5.4	6.1
137.5°	8.1	8.1	8.1	8.1	8.1	7.4	6.1	4.7	4.7	4.7	5.4
140°	7.4	7.4	7.4	6.7	6.7	6.1	4.7	4.0	4.0	4.0	4.7
142.5°	6.7	6.7	6.7	6.1	6.1	4.7	4.0	3.4	3.4	4.0	4.0
145°	6.1	6.1	6.1	5.4	4.7	4.0	2.7	2.7	3.4	3.4	4.0
147.5°	4.7	4.7	4.7	4.7	3.4	3.4	2.0	2.7	2.7	3.4	3.4
150°	4.0	4.0	4.0	4.0	2.7	2.0	1.3	2.0	2.7	2.7	2.7
152.5°	3.4	3.4	3.4	3.4	2.0	1.3	1.3	2.0	2.0	2.0	2.7
155°	2.0	2.0	2.7	2.0	1.3	0.7	1.3	1.3	2.0	2.0	2.0
157.5°	1.3	1.3	1.3	1.3	0.7	0.7	0.7	1.3	1.3	1.3	2.0
160°	0.7	0.7	1.3	1.3	1.3	0.7	0.7	0.7	1.3	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
2.5°	117.0	117.7	117.0	116.3	116.3	115.7	115.7	115.7	115.7	115.0	115.0
5°	127.8	127.1	126.4	125.1	123.7	122.4	122.4	121.7	121.1	120.4	120.4
7.5°	142.6	142.6	141.2	139.2	137.2	135.9	134.5	133.8	131.8	131.8	131.1
10°	165.4	165.4	161.4	159.4	156.0	152.7	151.3	149.3	148.0	147.3	146.6
12.5°	198.4	196.4	192.3	185.6	178.9	173.5	170.2	168.8	169.5	169.5	170.2
15°	240.8	236.7	230.7	217.9	205.8	197.7	195.7	195.7	196.4	196.4	197.1
17.5°	291.2	285.2	271.7	255.6	238.1	227.3	222.6	222.6	224.0	226.0	228.0
20°	352.4	347.0	326.2	297.9	271.7	257.6	249.5	248.8	251.5	257.6	256.2
22.5°	421.7	415.6	384.7	343.7	307.4	284.5	275.7	278.4	285.2	289.2	289.2
25°	505.1	495.0	448.6	388.7	342.3	310.0	298.6	302.6	312.7	317.4	319.5
27.5°	594.5	581.1	519.2	437.8	369.9	330.9	318.8	324.2	336.3	343.7	345.7
30°	700.8	677.2	593.2	483.6	394.8	345.7	332.9	343.0	356.4	365.2	367.2
32.5°	812.4	776.1	657.1	522.6	412.9	355.8	343.0	355.1	369.9	380.0	380.7
35°	924.1	882.4	727.7	554.2	422.4	360.5	347.0	361.2	377.3	385.4	387.4
37.5°	1045.1	987.3	788.9	574.3	426.4	359.8	347.0	361.2	376.6	383.3	384.7
40°	1161.5	1090.2	843.4	586.5	425.0	354.4	342.3	357.1	370.6	375.3	374.6
42.5°	1292.0	1189.7	887.1	587.1	415.6	346.4	336.3	349.0	358.5	357.8	358.5
45°	1416.4	1295.3	919.4	582.4	402.9	336.3	328.2	339.6	343.0	339.6	339.0
47.5°	1552.9	1400.2	944.9	570.3	387.4	326.9	319.5	328.2	328.9	321.5	320.1
50°	1697.5	1505.1	968.5	548.1	369.2	316.1	311.4	318.8	317.4	305.3	303.3
52.5°	1838.7	1611.4	983.3	521.2	351.1	306.7	304.7	312.1	308.0	293.9	291.2
55°	1989.4	1709.6	985.9	494.3	333.6	298.6	298.6	306.7	302.0	287.2	285.2
57.5°	2136.7	1812.5	975.9	459.3	316.8	289.9	293.9	303.3	300.0	285.2	283.8
60°	2274.5	1889.8	948.3	426.4	301.3	283.8	290.5	301.3	298.6	286.5	285.2
62.5°	2381.5	1941.0	904.6	394.1	287.8	277.8	287.2	297.9	298.6	288.5	289.2
65°	2431.2	1941.0	841.3	361.8	275.7	271.7	283.8	295.9	297.3	291.2	291.2
67.5°	2420.5	1891.2	770.1	328.2	264.3	264.3	279.1	291.9	294.6	291.9	291.9
70°	2306.8	1756.7	672.5	301.3	252.9	255.6	271.7	285.2	289.2	289.9	289.2
72.5°	2121.9	1554.2	571.7	273.1	240.8	246.8	262.3	275.7	281.1	282.5	281.8
75°	1836.0	1319.5	472.8	249.5	228.0	235.4	251.5	263.0	269.0	271.7	270.4
77.5°	1475.6	1047.1	387.4	226.0	213.2	221.3	236.7	246.1	253.5	256.9	254.2
80°	1124.5	779.5	308.0	202.4	195.0	203.8	217.2	227.3	234.0	235.4	233.4
82.5°	798.3	552.8	246.8	180.2	175.5	182.9	195.0	201.8	209.8	209.2	205.1
85°	523.2	375.3	193.7	156.7	154.7	159.4	168.8	172.8	180.9	180.9	176.2
87.5°	340.3	248.8	152.7	131.8	133.8	137.9	142.6	145.9	149.3	150.0	145.9
90°	217.2	170.2	121.7	112.3	114.3	117.7	117.7	117.0	122.4	123.7	120.4
92.5°	142.6	121.1	100.9	95.5	96.8	97.5	97.5	94.8	99.5	100.2	97.5
95°	100.2	90.8	83.4	82.0	82.0	82.0	80.7	77.3	81.4	81.4	80.0
97.5°	75.3	70.6	69.9	69.9	69.9	69.3	67.3	65.9	67.3	67.3	66.6
100°	56.5	55.8	57.8	59.2	59.9	59.2	57.8	55.8	55.8	53.1	53.8
102.5°	43.0	44.4	48.4	50.4	50.4	50.4	49.8	47.1	45.7	43.0	42.4
105°	33.6	35.0	39.7	42.4	43.0	43.7	42.4	39.7	37.0	34.3	33.6
107.5°	26.2	28.2	32.3	35.6	37.0	37.0	36.3	33.6	30.3	26.9	26.9
110°	21.5	22.9	26.9	30.3	31.6	31.6	30.9	27.6	24.2	21.5	21.5



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CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.5	18.8	22.9	25.6	26.9	27.6	26.2	23.5	20.2	17.5	17.5
115°	14.8	16.1	19.5	21.5	22.9	22.9	22.2	19.5	16.8	14.8	14.8
117.5°	12.8	14.1	16.8	18.8	19.5	20.2	18.8	16.8	14.1	12.8	12.8
120°	11.4	12.1	14.8	16.1	16.8	16.8	16.1	14.1	12.1	11.4	11.4
122.5°	10.1	11.4	12.8	14.1	14.8	14.8	14.1	12.1	10.8	10.1	10.8
125°	9.4	10.1	11.4	12.8	12.8	12.8	12.1	10.8	9.4	9.4	9.4
127.5°	8.7	9.4	10.1	10.8	11.4	11.4	10.8	9.4	8.7	8.7	8.7
130°	8.1	8.7	9.4	9.4	10.1	10.1	9.4	8.1	8.1	8.1	8.1
132.5°	7.4	8.1	8.1	8.7	8.7	8.7	8.1	7.4	7.4	7.4	7.4
135°	6.7	6.7	7.4	7.4	7.4	7.4	6.7	6.7	6.7	6.7	6.7
137.5°	6.1	6.1	6.7	6.1	6.7	6.1	6.1	5.4	6.1	6.1	6.1
140°	5.4	5.4	5.4	5.4	5.4	5.4	4.7	4.7	5.4	5.4	5.4
142.5°	4.7	4.7	4.7	4.0	4.0	4.0	4.0	4.0	4.7	4.7	4.7
145°	4.0	4.0	4.0	3.4	3.4	2.7	3.4	3.4	4.0	4.0	4.0
147.5°	3.4	3.4	3.4	3.4	2.7	2.0	2.0	2.7	3.4	3.4	3.4
150°	2.7	3.4	3.4	2.7	2.0	1.3	1.3	2.0	2.7	2.7	2.7
152.5°	2.7	2.7	2.7	2.0	1.3	0.7	0.7	1.3	2.0	2.0	2.0
155°	2.0	2.0	2.0	2.0	1.3	0.7	0.0	1.3	1.3	1.3	1.3
157.5°	2.0	2.0	2.0	1.3	0.7	0.0	0.0	0.7	1.3	0.7	0.7
160°	1.3	1.3	1.3	1.3	0.7	0.7	0.0	0.7	0.7	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)