

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: P416511

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416511  
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-PA1-70-827-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 930mA 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: 6067 lumens  
Efficiency: N/A  
Efficacy: 82.0 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

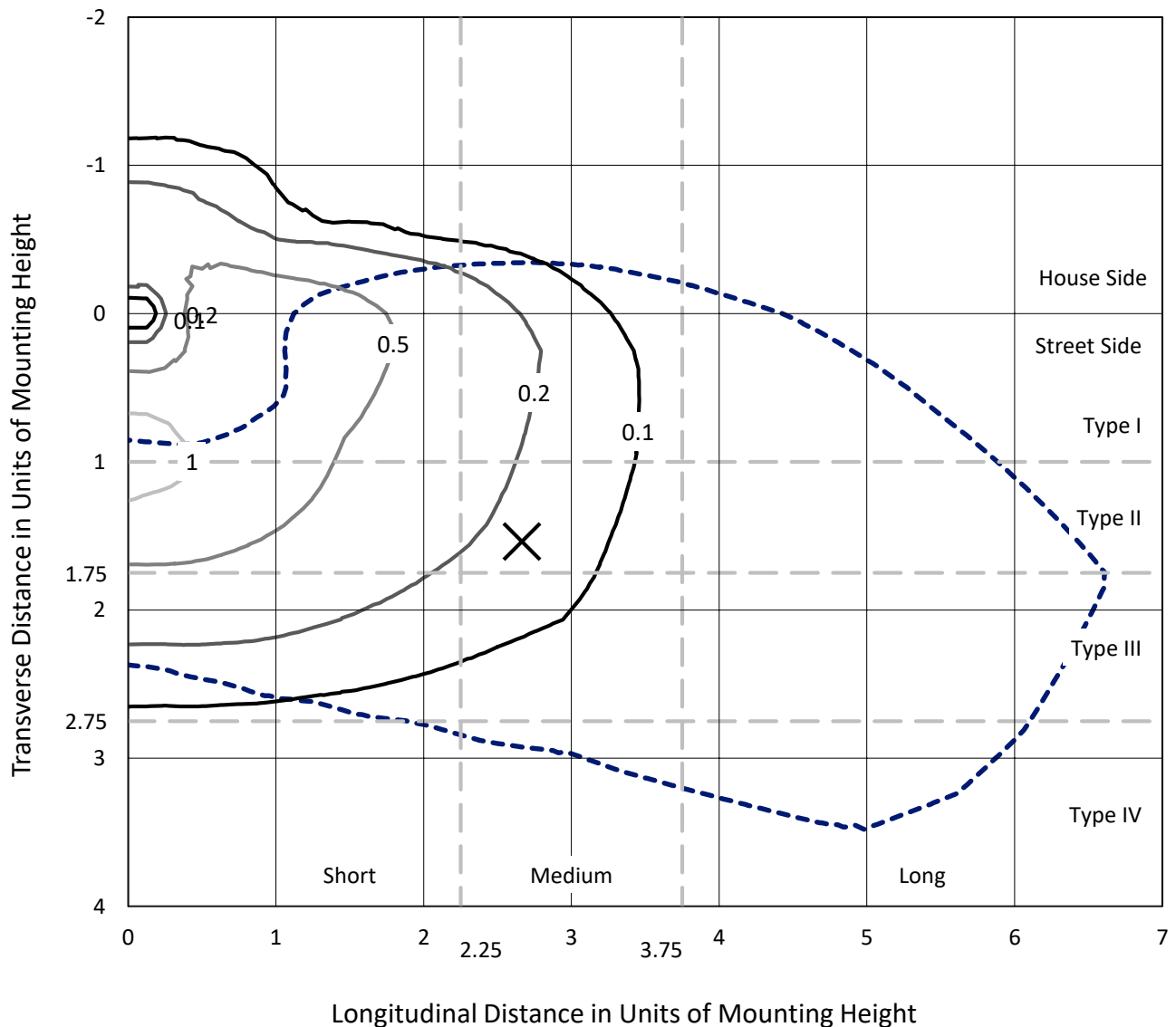
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

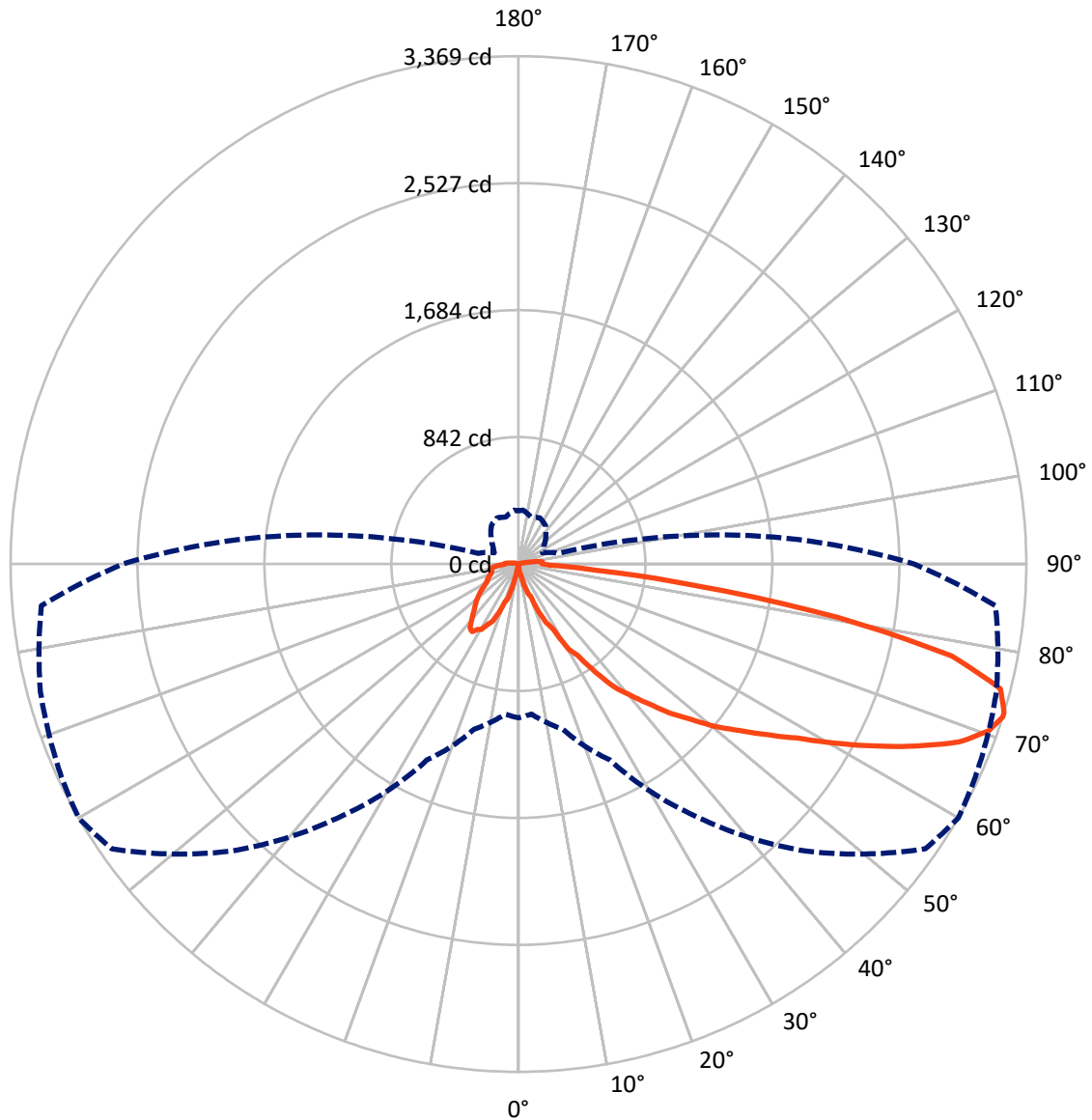
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	1326.0	64.7	1390.7
	% Fixture	21.9	1.1	22.9
<b>Street Side</b>	Lumens	4619.5	56.8	4676.3
	% Fixture	76.1	0.9	77.1
<b>Total</b>	Lumens	5945.5	121.6	6067.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	49.6	0.8
20°-30°	206.9	3.4
30°-40°	477.8	7.9
40°-50°	839.0	13.8
50°-60°	1268.2	20.9
60°-70°	1563.6	25.8
70°-80°	1207.2	19.9
80°-90°	329.8	5.4
90°-100°	89.6	1.5
100°-110°	15.5	0.3
110°-120°	6.0	0.1
120°-130°	4.3	0.1
130°-140°	2.8	0.0
140°-150°	2.3	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5945.5	98.0
0°-180°	6067.0	100.0



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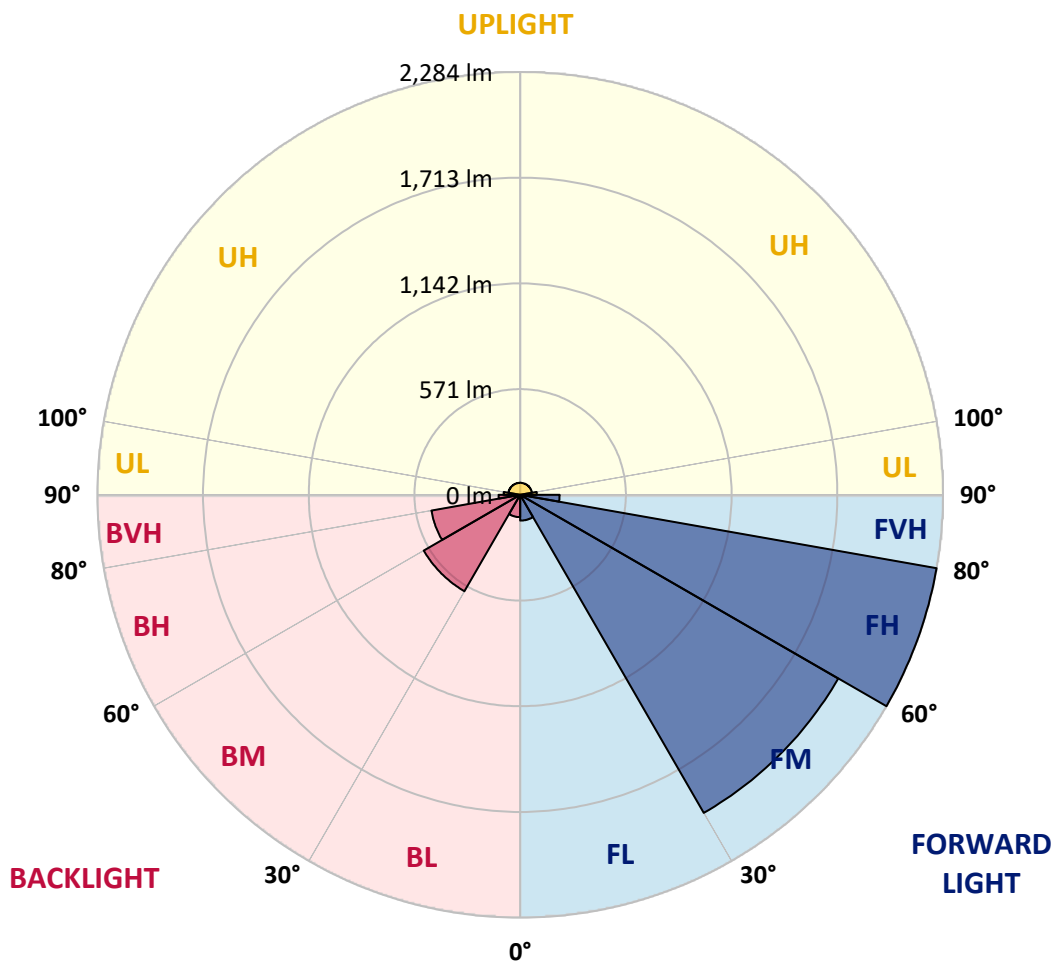
CATALOG NUMBER: LXF.LXT-PA1-70-827-U-T3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	139.3	2.3			
FM	(30°-60°)	1983.6	32.7			
FH	(60°-80°)	2283.6	37.6			G2/5000
FVH	(80°-90°)	213.0	3.5			G2/225
BL	(0°-30°)	120.5	2.0	B1/500		
BM	(30°-60°)	601.4	9.9	B1/1000		
BH	(60°-80°)	487.2	8.0	B1/500		G1/500
BVH	(80°-90°)	116.8	1.9			G2/225
UL	(90°-100°)	89.6	1.5		U3/500	
UH	(100°-180°)	64.7	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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	8.1	7.4	6.7	6.7	7.4	6.7	6.1	5.4	4.7	4.7	4.0
5°	75.3	73.3	72.6	58.5	26.9	20.8	9.4	7.4	6.1	4.7	4.0
7.5°	83.4	82.7	82.1	82.1	80.7	76.7	43.7	21.5	12.1	6.1	5.4
10°	95.5	94.2	90.1	88.1	86.1	84.7	78.7	74.7	33.6	10.1	8.7
12.5°	170.2	167.5	163.4	121.1	103.6	91.5	89.5	86.1	74.7	30.9	62.5
15°	182.9	182.3	179.6	177.6	172.2	114.3	138.5	158.1	178.9	145.9	162.8
17.5°	230.0	223.3	205.8	195.7	192.4	209.8	200.4	203.8	203.8	196.4	186.3
20°	343.7	339.0	330.2	291.2	219.3	270.4	265.0	225.3	232.0	287.2	333.6
22.5°	414.3	409.6	391.4	366.5	361.8	300.6	312.7	341.7	349.7	402.9	402.2
25°	562.3	553.5	514.5	441.2	450.6	388.1	436.5	429.8	408.9	443.9	456.0
27.5°	686.7	679.3	660.5	623.5	522.6	542.8	496.3	487.6	543.4	641.6	639.6
30°	823.9	783.5	733.1	721.7	647.0	615.4	627.5	656.4	677.3	686.7	710.2
32.5°	999.4	994.7	957.1	808.4	784.9	703.5	761.3	721.7	737.8	873.7	954.4
35°	1121.2	1133.3	1066.7	977.9	866.3	864.2	840.0	879.7	957.1	975.9	1031.7
37.5°	1405.0	1408.3	1348.5	1094.9	1022.3	952.3	1027.7	1038.4	1060.0	1092.2	1139.3
40°	1618.8	1588.6	1514.6	1326.3	1168.2	1092.2	1146.0	1144.7	1191.8	1251.0	1280.6
42.5°	1882.5	1848.9	1716.4	1503.2	1355.2	1271.1	1276.5	1265.1	1304.1	1397.6	1415.7
45°	2103.8	2089.0	1986.7	1762.1	1561.7	1460.8	1424.5	1410.4	1429.9	1547.6	1557.6
47.5°	2312.9	2273.2	2206.7	1979.3	1861.6	1678.0	1573.8	1540.2	1546.2	1680.1	1709.6
50°	2534.2	2467.6	2385.6	2185.8	2100.4	1951.1	1745.3	1692.8	1694.8	1818.6	1869.0
52.5°	2665.3	2559.8	2506.6	2341.2	2255.1	2180.4	1924.9	1834.1	1843.5	1960.5	2037.2
55°	2584.0	2552.4	2553.7	2454.8	2390.9	2303.5	2099.1	1997.5	2008.3	2145.5	2241.6
57.5°	2446.8	2471.0	2556.4	2552.4	2516.7	2431.3	2272.6	2177.7	2239.6	2354.6	2456.2
60°	2341.2	2368.8	2507.3	2578.6	2645.2	2582.6	2452.1	2411.1	2469.0	2569.2	2690.9
62.5°	2165.0	2187.2	2377.5	2565.8	2641.8	2711.8	2623.0	2660.0	2713.1	2797.8	2945.8
65°	1924.2	1918.8	2155.5	2448.8	2619.6	2783.7	2842.9	2910.8	2959.3	3050.1	3184.6
67.5°	1639.7	1666.6	1865.7	2196.6	2532.9	2820.0	3027.9	3152.3	3182.5	3217.5	3314.4
70°	1339.1	1337.7	1511.9	1863.7	2346.6	2799.9	3203.4	3311.0	3311.7	3290.8	3319.7
72°	1020.9	999.4	1133.9	1433.9	2037.9	2691.6	3293.5	3368.8	3344.0	3282.1	3176.5
72.5°	876.3	895.8	1022.3	1350.5	1899.3	2637.8	3302.9	3368.2	3341.3	3273.3	3133.4
75°	444.6	416.3	488.3	723.7	1310.1	2131.3	3235.0	3302.3	3226.9	3142.2	2747.4
77.5°	174.2	178.9	207.1	312.7	637.6	1403.6	2792.5	2939.1	2890.7	2830.8	2167.0
80°	122.4	122.4	138.5	178.2	326.9	570.3	1935.0	2148.2	2222.8	2252.4	1449.4
82.5°	88.8	90.1	105.6	124.4	233.4	273.7	950.3	1193.8	1311.5	1421.8	810.4
85°	82.7	82.7	84.7	83.4	166.8	195.0	345.7	509.8	589.2	690.7	327.5
87.5°	39.0	42.4	62.5	49.8	82.1	120.4	188.3	204.5	209.2	237.4	235.4
90°	25.6	25.6	20.8	21.5	40.4	97.5	151.3	154.7	148.6	174.2	219.3
92.5°	26.2	26.9	19.5	20.2	31.6	89.5	155.4	158.1	153.3	182.9	232.7
95°	24.2	24.2	16.8	17.5	24.9	68.6	155.4	158.1	144.6	182.3	232.7
97.5°	20.2	20.8	13.5	14.1	19.5	33.6	107.6	115.7	92.1	92.8	113.7
100°	17.5	17.5	10.8	11.4	14.1	15.5	54.5	57.2	51.1	22.9	15.5
102.5°	17.5	17.5	9.4	9.4	9.4	8.7	16.8	28.2	23.5	13.5	14.8
105°	16.8	17.5	8.7	7.4	7.4	6.7	8.7	10.8	10.8	10.8	15.5
107.5°	13.5	14.1	6.7	6.7	6.1	6.1	4.7	4.7	6.7	10.1	16.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.8	10.8	5.4	6.1	4.7	5.4	4.0	4.0	6.1	7.4	12.8
112.5°	6.1	6.1	4.0	4.7	4.0	4.7	4.0	4.0	4.7	6.1	8.1
115°	5.4	5.4	3.4	3.4	3.4	3.4	3.4	3.4	4.0	5.4	8.7
117.5°	5.4	5.4	3.4	3.4	3.4	2.7	2.7	3.4	3.4	5.4	8.7
120°	5.4	5.4	3.4	3.4	2.7	2.7	2.7	3.4	3.4	5.4	8.7
122.5°	6.1	5.4	3.4	2.7	2.7	2.7	2.7	2.7	3.4	4.7	8.7
125°	6.1	5.4	4.0	2.7	2.7	2.7	2.7	2.7	3.4	4.7	7.4
127.5°	6.1	6.1	4.0	2.7	2.7	2.7	2.7	2.7	2.7	4.0	6.7
130°	6.1	5.4	4.0	2.7	2.7	2.7	2.7	2.7	2.7	4.0	6.1
132.5°	5.4	5.4	4.0	2.7	3.4	2.7	2.7	2.7	2.7	3.4	4.7
135°	4.7	4.7	3.4	3.4	3.4	2.7	2.7	2.7	2.7	2.7	4.0
137.5°	4.7	4.7	4.0	3.4	3.4	3.4	2.7	2.7	2.7	2.7	3.4
140°	4.7	4.7	4.0	4.0	4.0	3.4	2.7	2.7	2.7	3.4	3.4
142.5°	5.4	5.4	4.7	4.0	4.0	3.4	2.7	2.7	3.4	3.4	3.4
145°	6.1	6.1	5.4	4.7	4.0	2.7	2.7	3.4	3.4	3.4	4.0
147.5°	6.1	6.1	5.4	4.0	3.4	2.7	2.7	3.4	3.4	4.0	4.0
150°	5.4	5.4	4.7	3.4	2.7	2.0	2.7	2.7	3.4	4.0	4.0
152.5°	4.0	4.0	3.4	2.7	2.0	1.3	2.0	2.7	2.7	3.4	4.0
155°	2.7	2.7	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.7	3.4
157.5°	1.3	1.3	0.7	0.7	1.3	1.3	1.3	2.0	2.0	2.0	2.7
160°	0.7	0.7	0.7	0.7	1.3	1.3	1.3	2.0	2.0	2.0	2.0
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.7	4.7	4.7	5.4	6.1
5°	4.0	4.0	4.0	4.0	4.7	5.4	6.1	6.7	7.4	8.1	8.1
7.5°	4.7	4.7	4.7	5.4	6.1	7.4	16.8	59.2	80.7	88.1	86.1
10°	8.7	8.7	8.1	8.1	9.4	78.7	100.2	109.0	113.7	119.0	119.0
12.5°	69.9	80.7	28.9	16.1	78.0	110.3	118.4	124.4	128.5	133.8	133.8
15°	168.8	171.5	176.2	158.7	153.3	125.1	130.5	176.9	232.7	247.5	248.8
17.5°	189.7	193.0	196.4	232.7	247.5	191.7	220.6	248.2	253.6	258.9	258.9
20°	361.8	367.2	297.9	267.0	261.0	324.8	249.5	256.2	265.7	313.4	318.1
22.5°	410.3	413.6	387.4	404.2	295.9	339.6	328.2	328.2	367.2	369.9	370.6
25°	460.0	478.9	429.1	415.6	421.0	343.7	387.4	349.7	355.1	359.1	359.8
27.5°	671.2	668.5	628.2	475.5	422.4	416.3	376.0	345.0	403.5	419.0	419.7
30°	713.6	706.9	670.5	556.9	438.5	412.3	354.4	398.8	388.1	390.1	390.8
32.5°	981.3	970.5	867.6	563.6	458.0	380.7	384.7	371.3	372.6	414.3	415.6
35°	1048.5	1033.7	889.1	651.7	436.5	386.0	355.8	372.6	379.3	377.3	377.3
37.5°	1138.6	1110.4	882.4	612.7	454.0	361.2	340.3	351.7	347.7	373.3	371.9
40°	1236.8	1197.2	885.8	568.3	411.6	339.0	326.2	336.3	333.6	326.2	320.8
42.5°	1361.9	1293.3	885.1	531.3	372.6	331.6	308.0	307.4	295.9	283.8	279.8
45°	1489.7	1394.9	887.8	488.9	343.0	325.5	297.9	281.8	271.7	258.9	255.6
47.5°	1629.6	1503.2	895.8	455.3	320.1	307.4	285.2	265.7	258.3	242.1	240.8
50°	1795.1	1616.8	898.5	428.4	293.2	291.2	275.7	254.2	242.8	226.7	225.3
52.5°	1973.3	1737.2	903.2	388.7	272.4	285.2	281.1	251.5	246.8	226.0	224.6
55°	2142.1	1851.6	901.9	341.0	263.0	279.8	281.1	269.0	261.6	227.3	224.6
57.5°	2345.2	1975.3	881.7	296.6	248.2	271.7	294.6	284.5	276.4	248.2	242.8
60°	2526.8	2103.1	821.9	262.3	235.4	263.0	306.0	295.9	273.1	254.9	249.5
62.5°	2739.3	2213.4	738.5	237.4	230.7	265.7	310.0	303.3	275.1	269.0	267.0
65°	2883.3	2255.1	612.0	217.2	230.0	265.7	308.7	310.0	289.9	295.9	295.3
67.5°	2900.7	2201.3	464.1	201.8	221.9	265.7	306.7	323.5	303.3	328.2	329.6
70°	2816.7	2066.8	338.3	186.3	213.2	262.3	307.4	332.2	313.4	352.4	349.7
72°	2623.0	1863.0	273.7	176.2	205.8	256.9	312.1	337.0	322.2	358.5	352.4
72.5°	2572.5	1800.4	261.6	174.9	204.5	256.2	313.4	338.3	322.8	364.5	357.1
75°	2152.9	1433.9	224.6	164.8	206.5	252.9	320.1	337.6	326.9	368.6	369.9
77.5°	1631.0	966.5	199.1	156.0	205.8	246.8	318.1	332.2	320.8	354.4	361.8
80°	1009.5	562.3	176.9	155.4	204.5	244.1	309.4	318.1	304.0	330.9	332.9
82.5°	552.2	328.9	153.3	152.7	198.4	236.7	292.6	302.0	288.5	318.1	297.3
85°	282.5	223.3	115.0	125.1	173.5	222.6	273.1	272.4	258.9	269.7	254.9
87.5°	217.9	175.5	74.7	90.1	141.9	183.6	224.6	222.6	205.1	206.5	200.4
90°	200.4	156.7	49.1	63.9	118.4	131.8	156.0	150.0	137.9	140.6	138.5
92.5°	201.8	154.7	47.1	67.9	113.7	118.4	143.3	135.9	123.8	125.1	121.1
95°	197.1	148.6	47.1	59.9	94.2	84.1	102.9	100.2	90.1	85.4	83.4
97.5°	94.2	74.0	43.7	44.4	53.1	45.7	62.5	67.3	53.8	43.0	43.0
100°	16.1	24.9	38.3	45.1	38.3	28.9	39.7	45.7	30.9	14.1	15.5
102.5°	16.1	15.5	29.6	38.3	27.6	15.5	22.9	30.3	19.5	10.8	11.4
105°	17.5	16.1	14.1	26.2	16.1	8.1	8.7	15.5	10.8	10.8	10.8
107.5°	18.8	17.5	10.1	10.1	8.1	7.4	6.7	6.1	7.4	10.8	11.4



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.1	14.1	9.4	8.1	7.4	7.4	5.4	5.4	7.4	11.4	11.4
112.5°	10.1	10.1	8.1	6.7	6.1	7.4	5.4	5.4	6.7	11.4	12.1
115°	10.1	10.1	7.4	6.1	5.4	6.1	5.4	4.7	6.7	11.4	12.1
117.5°	10.1	10.1	7.4	5.4	4.7	4.7	4.0	4.7	6.7	11.4	12.1
120°	10.1	10.1	7.4	5.4	4.7	4.0	4.0	4.0	6.7	11.4	12.1
122.5°	9.4	9.4	6.7	4.7	4.0	3.4	3.4	4.0	6.1	10.8	11.4
125°	8.7	8.7	6.1	4.7	4.0	3.4	3.4	3.4	6.1	10.1	10.8
127.5°	8.1	8.1	6.1	4.0	3.4	3.4	3.4	3.4	5.4	9.4	10.1
130°	6.7	6.7	5.4	4.0	3.4	2.7	3.4	3.4	5.4	8.7	8.7
132.5°	5.4	5.4	4.0	3.4	3.4	2.7	2.7	3.4	4.7	7.4	8.1
135°	4.0	4.0	4.0	3.4	3.4	2.7	2.7	2.7	4.0	6.1	6.7
137.5°	3.4	4.0	3.4	3.4	3.4	2.7	2.7	2.7	4.0	5.4	5.4
140°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.7	4.0	4.7	5.4
142.5°	3.4	4.0	3.4	3.4	3.4	2.7	2.7	3.4	4.0	5.4	5.4
145°	4.0	4.0	4.0	3.4	3.4	2.0	2.0	3.4	4.0	5.4	5.4
147.5°	4.0	4.0	4.0	3.4	2.7	2.0	2.0	2.7	4.0	5.4	5.4
150°	4.0	4.0	4.0	3.4	2.7	1.3	1.3	2.7	3.4	4.7	5.4
152.5°	4.0	4.0	3.4	3.4	2.0	1.3	0.7	2.0	2.7	4.0	4.0
155°	3.4	3.4	3.4	2.7	2.0	0.7	0.0	0.7	2.0	3.4	3.4
157.5°	2.7	2.7	2.7	2.0	1.3	0.7	0.0	0.7	0.7	2.0	2.0
160°	2.0	2.0	2.0	2.0	1.3	0.7	0.0	0.0	0.7	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)