

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: P416536

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6369 lumens  
Efficiency: N/A  
Efficacy: 86.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

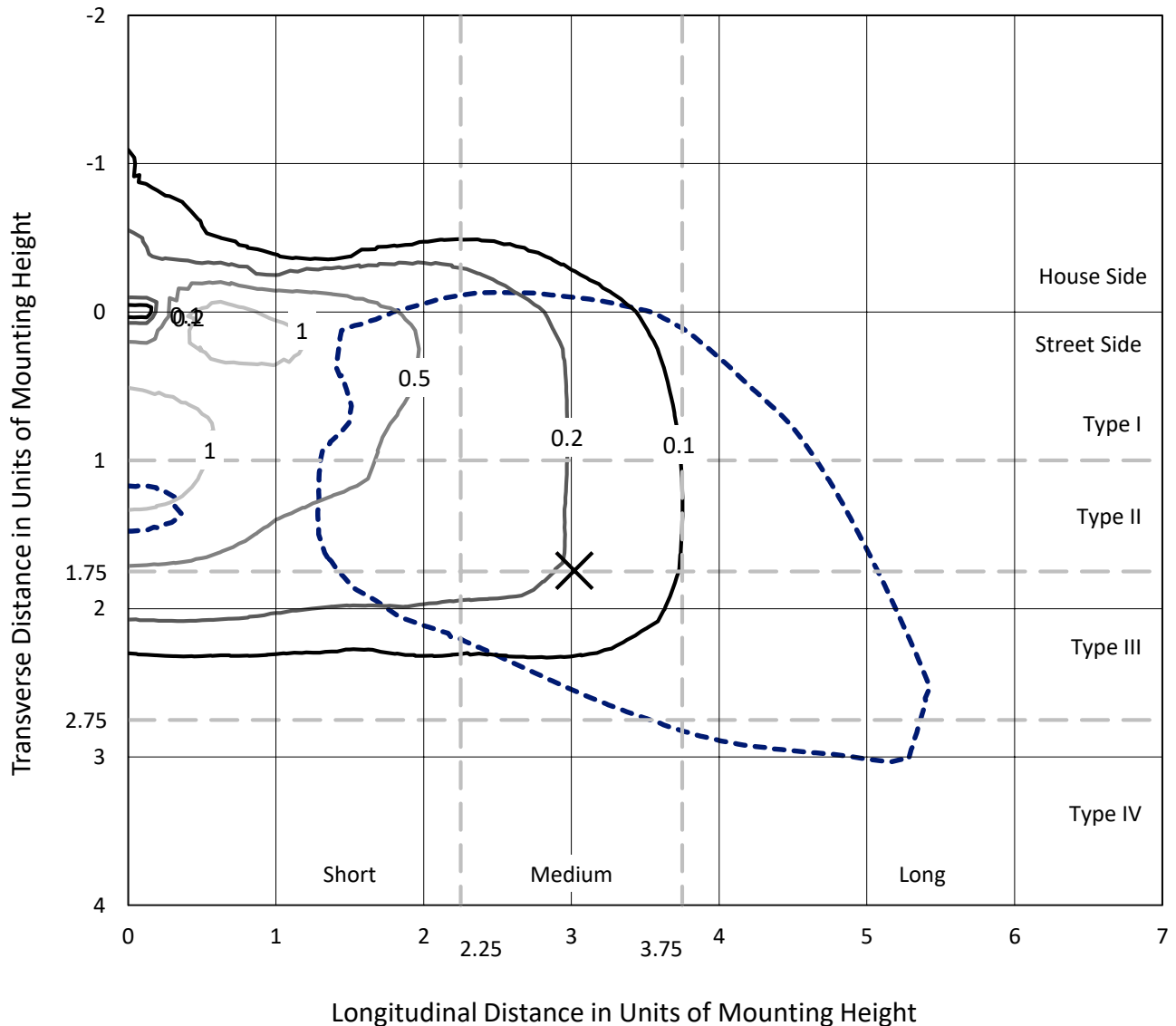
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

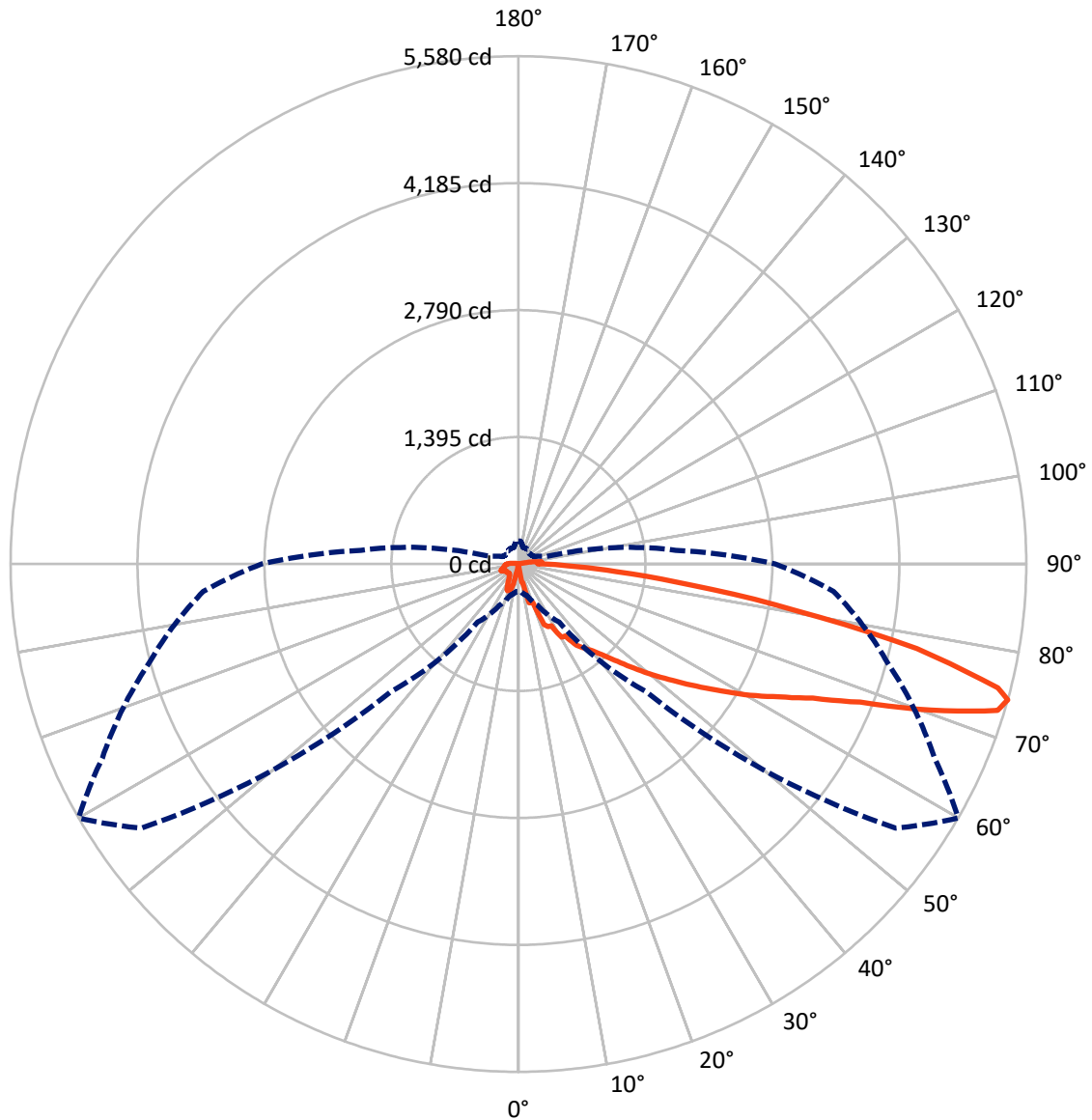
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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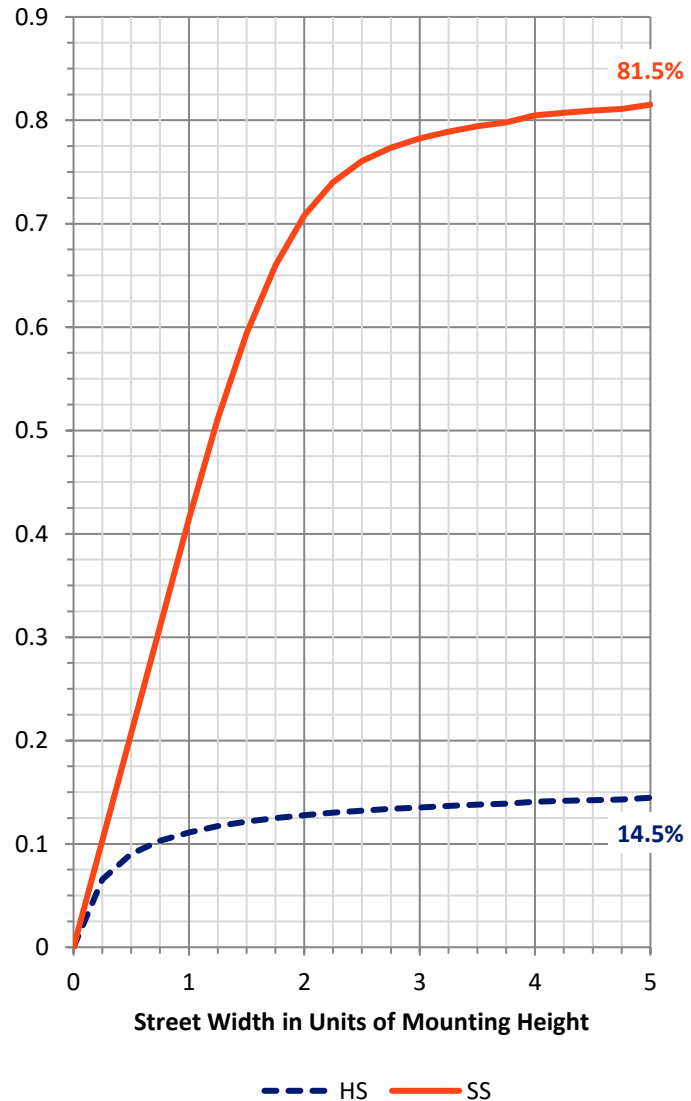
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	977.5	61.9	1039.4
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	5263.3	66.4	5329.6
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	6240.8	128.2	6369.0
	% Fixture	98.0	2.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.1	0.1
10°-20°	81.3	1.3
20°-30°	246.3	3.9
30°-40°	493.0	7.7
40°-50°	845.7	13.3
50°-60°	1289.2	20.2
60°-70°	1588.5	24.9
70°-80°	1328.0	20.9
80°-90°	361.7	5.7
90°-100°	93.4	1.5
100°-110°	16.7	0.3
110°-120°	6.2	0.1
120°-130°	4.7	0.1
130°-140°	3.3	0.1
140°-150°	2.6	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6240.8	98.0
0°-180°	6369.0	100.0



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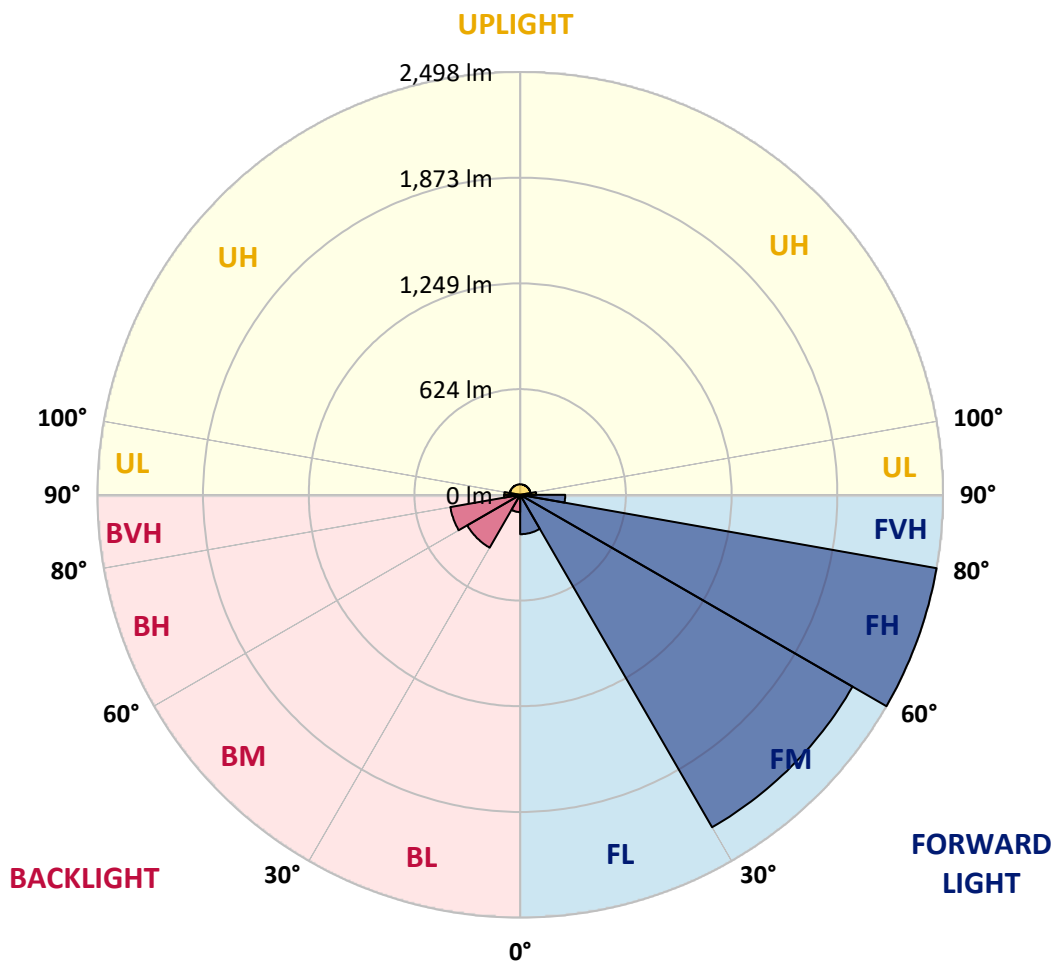
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.6	3.7			
FM	(30°-60°)	2267.3	35.6			
FH	(60°-80°)	2497.6	39.2			G2/5000
FVH	(80°-90°)	265.8	4.2			G3/500
BL	(0°-30°)	102.1	1.6	B0/110		
BM	(30°-60°)	360.6	5.7	B1/1000		
BH	(60°-80°)	418.9	6.6	B1/500		G1/500
BVH	(80°-90°)	95.8	1.5			G1/100
UL	(90°-100°)	93.4	1.5		U3/500	
UH	(100°-180°)	61.9	1.0		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	8.0	7.3	6.5	7.3	8.0	7.3	5.8	5.1	4.4	4.4	4.4
5°	212.3	209.4	207.9	162.1	38.5	24.0	9.5	6.5	5.8	4.4	4.4
7.5°	215.2	212.3	213.0	212.3	208.7	208.7	67.6	24.7	13.8	5.1	5.1
10°	226.8	222.5	216.7	215.9	214.5	212.3	208.7	204.3	46.5	8.0	7.3
12.5°	418.8	416.6	413.7	319.2	231.2	215.2	213.0	207.9	159.9	30.5	141.0
15°	415.9	415.1	410.1	412.2	411.5	234.1	265.4	442.8	425.3	308.3	355.5
17.5°	436.2	434.0	418.8	409.3	410.1	467.5	434.0	437.0	438.4	389.7	381.0
20°	591.8	588.2	586.7	570.0	416.6	548.9	559.8	453.7	464.6	604.9	676.2
22.5°	599.1	594.0	588.2	583.8	657.2	546.7	591.8	722.7	690.0	800.5	754.7
25°	809.2	795.4	738.0	597.6	656.5	629.6	765.6	761.9	721.2	835.4	807.0
27.5°	876.1	866.6	824.5	792.5	669.6	753.9	761.2	769.2	907.4	1152.4	1073.8
30°	1173.5	1100.0	910.3	890.6	799.0	760.5	870.3	932.8	1020.8	1157.5	1135.6
32.5°	1343.6	1308.0	1216.3	1076.0	935.7	831.7	943.7	943.7	1025.9	1398.8	1435.9
35°	1619.1	1504.3	1325.4	1230.2	1067.3	995.3	972.8	1095.7	1212.7	1469.4	1467.2
37.5°	1718.7	1707.8	1640.9	1348.7	1254.9	1082.6	1134.2	1172.0	1270.9	1571.1	1566.8
40°	1773.3	1797.3	1802.3	1604.6	1393.7	1250.5	1232.3	1253.4	1348.7	1714.4	1659.1
42.5°	1957.9	1966.7	1993.6	1768.2	1601.7	1433.7	1382.8	1374.1	1440.3	1880.9	1781.3
45°	2256.0	2260.4	2240.8	1956.5	1771.1	1615.5	1558.8	1525.3	1583.5	2045.9	1936.1
47.5°	2597.7	2607.9	2513.4	2169.5	1925.2	1790.7	1760.2	1708.6	1745.6	2194.9	2128.8
50°	2869.6	2866.7	2698.1	2341.8	2080.8	1970.3	1960.8	1912.9	1917.2	2376.0	2336.7
52.5°	2940.2	2935.8	2791.9	2469.0	2222.6	2157.1	2200.0	2125.9	2087.3	2563.6	2552.7
55°	2834.0	2842.0	2774.4	2522.1	2312.7	2321.5	2432.7	2368.7	2316.4	2741.0	2758.4
57.5°	2680.6	2671.2	2681.3	2542.5	2383.3	2482.1	2709.7	2629.7	2579.6	2941.6	2961.3
60°	2396.3	2383.3	2514.8	2520.7	2448.7	2663.9	3004.1	2926.4	2855.8	3153.2	3132.1
62.5°	1963.7	1947.0	2184.8	2386.9	2523.6	2876.9	3295.0	3210.6	3142.3	3377.9	3337.9
65°	1307.2	1386.5	1664.9	2094.6	2495.9	3183.7	3679.6	3553.1	3428.7	3608.3	3601.1
67.5°	758.3	815.0	1019.3	1489.7	2268.4	3446.2	4289.6	4049.6	3835.2	3869.3	3852.6
70°	470.4	487.8	576.5	859.4	1598.8	3359.7	4965.7	4810.9	4356.5	4160.2	3891.9
72.5°	365.0	376.6	427.5	561.3	972.1	2598.5	5287.1	5504.5	4882.8	4236.5	3698.5
74°	298.8	306.1	359.2	502.4	780.1	1981.2	5058.8	5580.1	5044.2	4199.4	3476.0
75°	236.3	243.6	303.2	482.0	741.6	1580.6	4720.7	5439.8	5049.3	4142.0	3207.7
77.5°	144.7	149.8	163.6	333.0	674.0	903.0	3483.3	4477.9	4475.0	3439.6	2300.4
80°	114.9	116.3	122.1	175.2	548.9	818.7	2205.9	3090.7	3068.1	2064.8	1178.5
82.5°	79.2	85.1	96.7	113.4	292.3	801.9	1390.8	1920.1	1656.2	785.9	492.9
85°	53.1	57.4	73.4	84.3	156.3	853.6	998.2	1080.4	815.0	389.0	325.0
87.5°	21.8	22.5	33.4	40.7	63.3	409.3	671.8	535.1	375.2	246.5	264.6
90°	11.6	11.6	8.7	9.5	23.3	88.0	219.6	213.0	176.7	202.8	248.6
92.5°	13.1	13.1	8.7	9.5	22.5	69.1	237.7	242.8	202.8	215.9	266.1
95°	14.5	14.5	8.7	8.7	21.8	47.3	228.3	256.6	208.7	226.8	268.3
97.5°	16.0	16.7	8.0	8.0	17.4	35.6	143.2	175.2	136.0	117.8	128.7
100°	16.7	16.7	7.3	7.3	11.6	25.4	66.2	84.3	65.4	30.5	21.1
102.5°	16.7	17.4	7.3	6.5	8.0	16.0	21.1	30.5	24.0	18.2	19.6
105°	16.0	17.4	7.3	6.5	6.5	8.7	10.9	12.4	13.1	13.1	20.4
107.5°	12.4	13.8	5.8	6.5	5.8	5.8	4.4	5.1	6.5	11.6	20.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	8.7	8.7	4.4	5.8	5.1	5.8	3.6	4.4	5.8	8.7	16.7
112.5°	4.4	3.6	2.9	4.4	4.4	5.1	3.6	3.6	5.1	7.3	11.6
115°	2.9	3.6	2.2	2.9	3.6	3.6	2.9	3.6	4.4	7.3	12.4
117.5°	2.9	2.9	2.2	2.9	3.6	2.9	2.9	3.6	4.4	7.3	12.4
120°	3.6	2.9	2.2	2.9	2.9	2.2	2.9	3.6	3.6	7.3	12.4
122.5°	3.6	3.6	2.9	2.9	2.9	2.2	2.9	2.9	3.6	7.3	11.6
125°	4.4	3.6	2.9	2.9	2.9	2.2	2.9	2.9	3.6	6.5	10.9
127.5°	4.4	4.4	2.9	2.9	3.6	2.2	2.9	2.9	3.6	5.8	10.2
130°	4.4	4.4	3.6	2.9	3.6	2.9	2.9	2.9	3.6	5.1	8.7
132.5°	4.4	4.4	3.6	3.6	3.6	2.9	2.9	2.9	2.9	4.4	7.3
135°	5.1	4.4	3.6	3.6	4.4	2.9	2.9	2.9	2.9	3.6	5.1
137.5°	5.1	5.1	4.4	4.4	5.1	3.6	2.9	3.6	3.6	3.6	4.4
140°	5.8	5.8	5.8	5.1	5.1	3.6	3.6	3.6	3.6	4.4	4.4
142.5°	7.3	6.5	6.5	5.8	5.1	3.6	3.6	3.6	4.4	4.4	4.4
145°	8.0	8.0	7.3	6.5	5.1	3.6	3.6	4.4	4.4	5.1	5.1
147.5°	8.0	8.0	7.3	5.8	4.4	2.9	3.6	4.4	4.4	5.1	5.8
150°	8.0	7.3	6.5	5.1	3.6	2.2	2.9	3.6	4.4	5.1	5.8
152.5°	5.8	5.8	5.1	3.6	2.9	1.5	2.2	2.9	3.6	4.4	5.1
155°	3.6	3.6	2.9	2.2	2.2	1.5	2.2	2.9	2.9	3.6	4.4
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.9	2.9
160°	0.7	0.7	1.5	0.7	1.5	1.5	1.5	2.2	2.2	2.2	2.2
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
2.5°	4.4	4.4	4.4	3.6	3.6	2.2	2.9	2.9	3.6	4.4	5.1
5°	4.4	5.1	4.4	3.6	3.6	2.9	3.6	3.6	3.6	5.1	5.1
7.5°	5.1	5.1	4.4	4.4	3.6	2.9	5.1	157.0	180.3	186.1	187.6
10°	6.5	6.5	5.8	5.1	4.4	169.4	186.9	186.9	185.4	186.9	186.9
12.5°	144.7	155.6	24.7	12.4	139.6	175.9	171.6	168.7	165.8	162.9	161.4
15°	351.9	341.0	312.6	234.8	216.7	161.4	148.3	205.8	219.6	223.2	222.5
17.5°	371.5	354.1	311.2	326.4	286.5	206.5	186.1	184.7	176.7	176.7	177.4
20°	698.7	658.7	424.6	318.4	248.6	250.1	159.2	141.8	148.3	157.8	163.6
22.5°	717.6	665.2	496.6	414.4	223.9	202.1	155.6	137.4	185.4	204.3	205.8
25°	765.6	682.0	503.1	349.0	253.0	165.8	154.9	143.2	170.1	187.6	186.1
27.5°	1036.8	919.7	639.1	321.4	199.9	156.3	146.1	137.4	169.4	197.8	197.0
30°	1035.3	906.6	590.4	295.9	165.0	145.4	133.0	149.8	157.8	168.7	169.4
32.5°	1344.3	1152.4	645.6	245.7	146.1	125.8	131.6	136.7	143.2	170.9	176.7
35°	1350.8	1126.9	560.6	225.4	134.5	120.0	123.6	135.2	149.0	166.5	167.9
37.5°	1377.0	1113.8	465.3	186.1	138.1	121.4	128.7	141.8	138.1	162.1	165.0
40°	1425.0	1117.5	391.2	166.5	136.0	121.4	134.5	136.7	137.4	149.8	151.2
42.5°	1499.2	1137.1	328.6	157.8	133.8	131.6	130.1	130.9	125.8	150.5	153.4
45°	1604.6	1177.8	280.6	154.9	133.8	153.4	136.0	130.9	120.0	173.0	185.4
47.5°	1760.2	1257.8	252.3	155.6	134.5	146.9	134.5	127.2	125.1	202.1	210.8
50°	1936.1	1349.4	233.4	158.5	134.5	144.7	132.3	130.9	138.9	205.0	207.2
52.5°	2125.2	1471.5	226.8	161.4	144.7	146.9	150.5	149.8	133.8	164.3	164.3
55°	2317.1	1598.0	229.0	165.0	152.7	150.5	160.7	141.8	114.9	122.1	120.7
57.5°	2498.1	1745.6	244.3	162.9	147.6	149.0	162.1	133.0	114.9	122.1	125.1
60°	2694.4	1905.6	286.5	157.0	145.4	144.7	159.9	140.3	114.9	140.3	141.0
62.5°	2933.6	2125.9	378.1	162.9	157.0	149.0	160.7	154.9	131.6	134.5	137.4
65°	3216.4	2353.4	465.3	185.4	165.8	149.8	158.5	162.9	149.0	144.0	143.2
67.5°	3423.7	2409.4	468.9	215.2	177.4	157.8	159.9	177.4	162.9	165.8	164.3
70°	3371.3	2256.7	406.4	227.6	184.7	164.3	164.3	183.9	171.6	197.0	197.8
72.5°	3115.4	1959.4	343.2	210.8	175.2	166.5	182.5	190.5	182.5	237.0	234.1
74°	2821.7	1735.5	315.5	191.9	171.6	165.8	187.6	190.5	188.3	253.0	250.8
75°	2596.3	1559.5	300.3	181.0	169.4	163.6	189.0	191.2	190.5	255.2	254.5
77.5°	1794.3	1053.5	262.5	161.4	165.8	163.6	188.3	195.6	200.7	253.7	251.6
80°	920.4	576.5	218.8	152.7	164.3	167.9	186.1	189.0	197.0	239.9	237.7
82.5°	461.7	332.3	160.7	140.3	166.5	182.5	186.9	183.2	185.4	221.0	217.4
85°	297.4	229.7	106.9	117.8	169.4	197.8	186.1	170.9	173.8	192.7	191.2
87.5°	239.2	170.1	65.4	91.6	180.3	181.0	170.1	151.2	147.6	151.2	149.0
90°	221.0	157.8	55.3	86.5	174.5	151.2	138.9	123.6	110.5	111.2	106.9
92.5°	237.7	165.0	58.9	85.8	138.9	106.1	101.8	93.8	77.8	69.1	64.7
95°	234.1	158.5	59.6	72.7	101.8	60.3	72.0	66.2	48.0	36.4	34.2
97.5°	112.7	80.0	53.1	56.7	59.6	45.8	61.1	56.0	34.9	22.5	21.1
100°	21.1	29.8	47.3	53.8	47.3	35.6	48.0	42.9	18.9	11.6	10.9
102.5°	20.4	16.7	35.6	48.7	29.8	20.4	26.2	24.0	12.4	8.7	8.7
105°	21.1	16.7	16.7	33.4	18.2	9.5	8.0	11.6	8.7	8.7	9.5
107.5°	21.8	16.7	10.2	10.9	8.7	7.3	5.8	5.8	6.5	9.5	10.2



REPORT NUMBER: P416536

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.4	14.5	9.5	8.7	8.0	7.3	5.8	5.1	6.5	10.2	10.9
112.5°	12.4	11.6	8.7	7.3	6.5	6.5	5.1	4.4	6.5	10.9	11.6
115°	12.4	11.6	7.3	6.5	5.1	5.8	5.1	4.4	6.5	12.4	13.1
117.5°	13.1	10.9	7.3	5.8	4.4	4.4	4.4	4.4	7.3	12.4	13.1
120°	13.1	10.9	7.3	5.1	4.4	3.6	4.4	4.4	7.3	12.4	13.8
122.5°	12.4	10.9	6.5	5.1	4.4	3.6	3.6	3.6	6.5	12.4	13.1
125°	11.6	10.2	6.5	5.1	4.4	2.9	3.6	3.6	6.5	11.6	13.1
127.5°	10.9	9.5	6.5	5.1	3.6	2.9	3.6	3.6	6.5	10.9	12.4
130°	9.5	8.7	5.8	4.4	3.6	2.9	3.6	3.6	6.5	10.2	11.6
132.5°	8.0	7.3	5.1	4.4	3.6	2.9	3.6	2.9	5.1	9.5	10.2
135°	5.8	5.8	5.1	3.6	3.6	2.2	2.9	2.9	4.4	7.3	8.0
137.5°	5.1	5.1	4.4	3.6	3.6	2.2	2.9	2.2	3.6	5.8	6.5
140°	5.1	5.1	4.4	3.6	2.9	2.2	2.2	2.2	2.9	5.1	5.1
142.5°	5.1	5.1	4.4	3.6	2.9	2.2	2.2	2.2	2.9	4.4	5.1
145°	5.1	5.1	5.1	4.4	2.9	2.2	2.2	2.2	2.9	4.4	4.4
147.5°	5.8	5.8	5.1	3.6	2.9	1.5	1.5	2.2	2.9	4.4	4.4
150°	5.8	5.8	5.1	3.6	2.9	1.5	0.7	1.5	2.2	3.6	4.4
152.5°	5.1	5.1	4.4	3.6	2.2	1.5	0.7	1.5	2.2	3.6	3.6
155°	4.4	4.4	3.6	2.9	2.2	0.7	0.0	0.7	1.5	2.9	2.9
157.5°	2.9	3.6	2.9	2.2	1.5	0.7	0.0	0.7	0.7	2.2	2.2
160°	2.9	2.9	2.9	2.2	1.5	0.7	0.0	0.0	0.7	1.5	1.5
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)