

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: P416120

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416120  
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-PA1-60-830-U-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA 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: 5677.9 lumens  
Efficiency: N/A  
Efficacy: 88.7 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

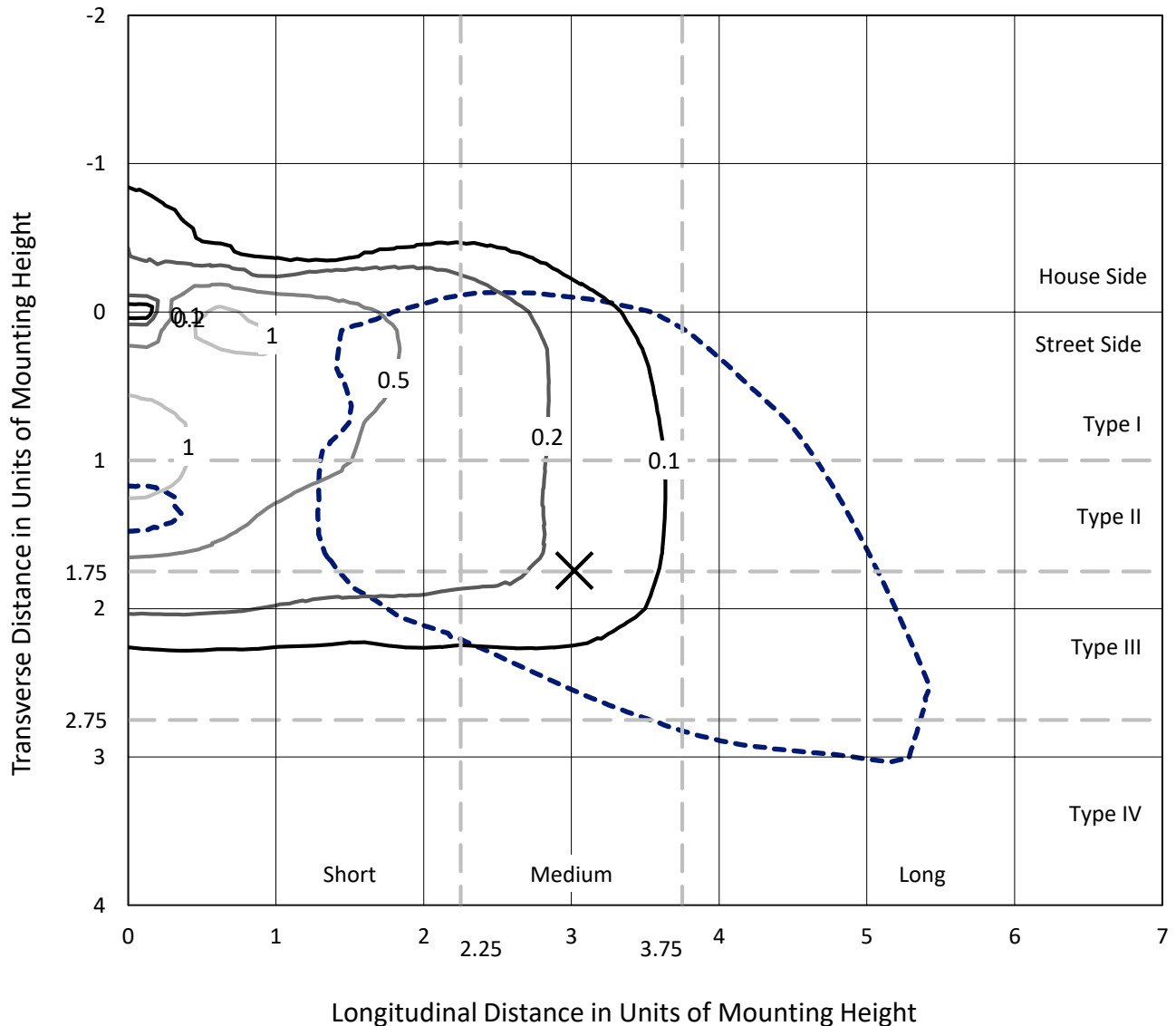
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

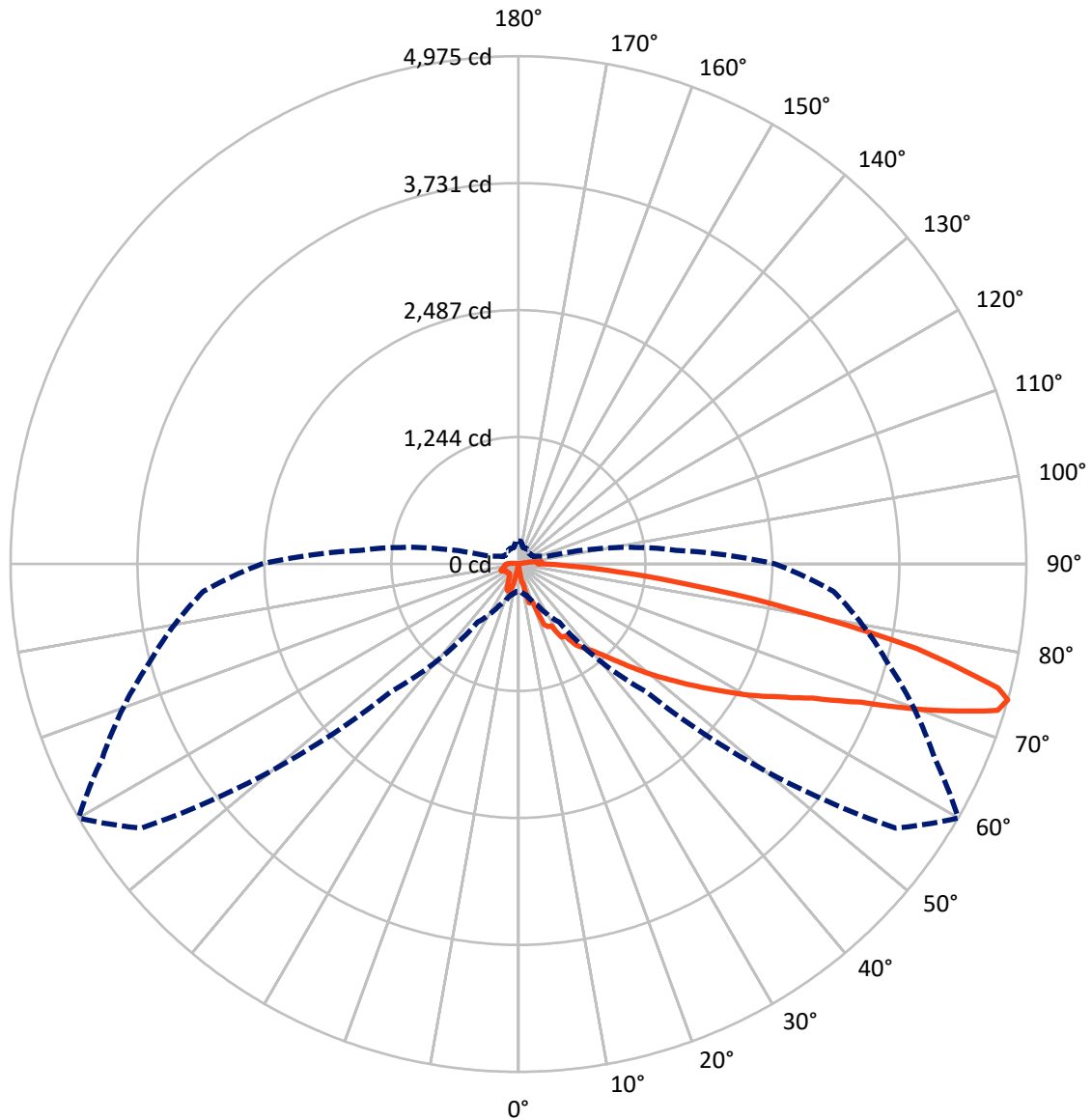
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type 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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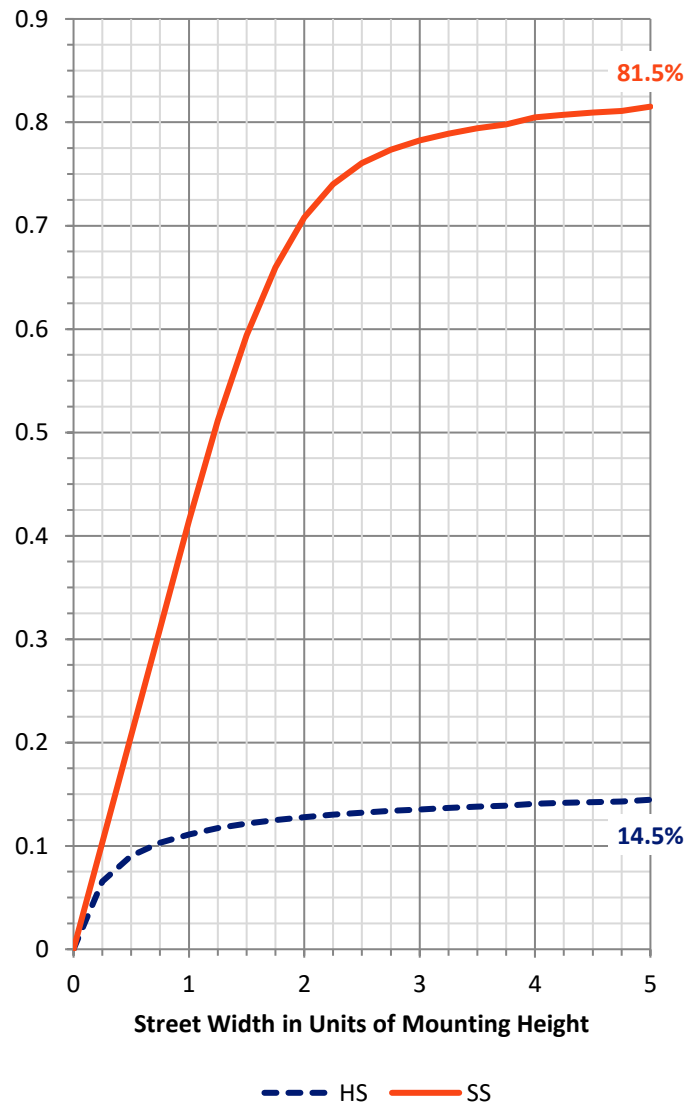
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	871.4	55.2	926.6
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	4692.2	59.1	4751.4
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	5563.7	114.3	5677.9
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	72.5	1.3
20°-30°	219.6	3.9
30°-40°	439.5	7.7
40°-50°	754.0	13.3
50°-60°	1149.3	20.2
60°-70°	1416.2	24.9
70°-80°	1183.9	20.9
80°-90°	322.4	5.7
90°-100°	83.3	1.5
100°-110°	14.9	0.3
110°-120°	5.5	0.1
120°-130°	4.2	0.1
130°-140°	2.9	0.1
140°-150°	2.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5563.7	98.0
0°-180°	5677.9	100.0

**Coefficient of Utilization**



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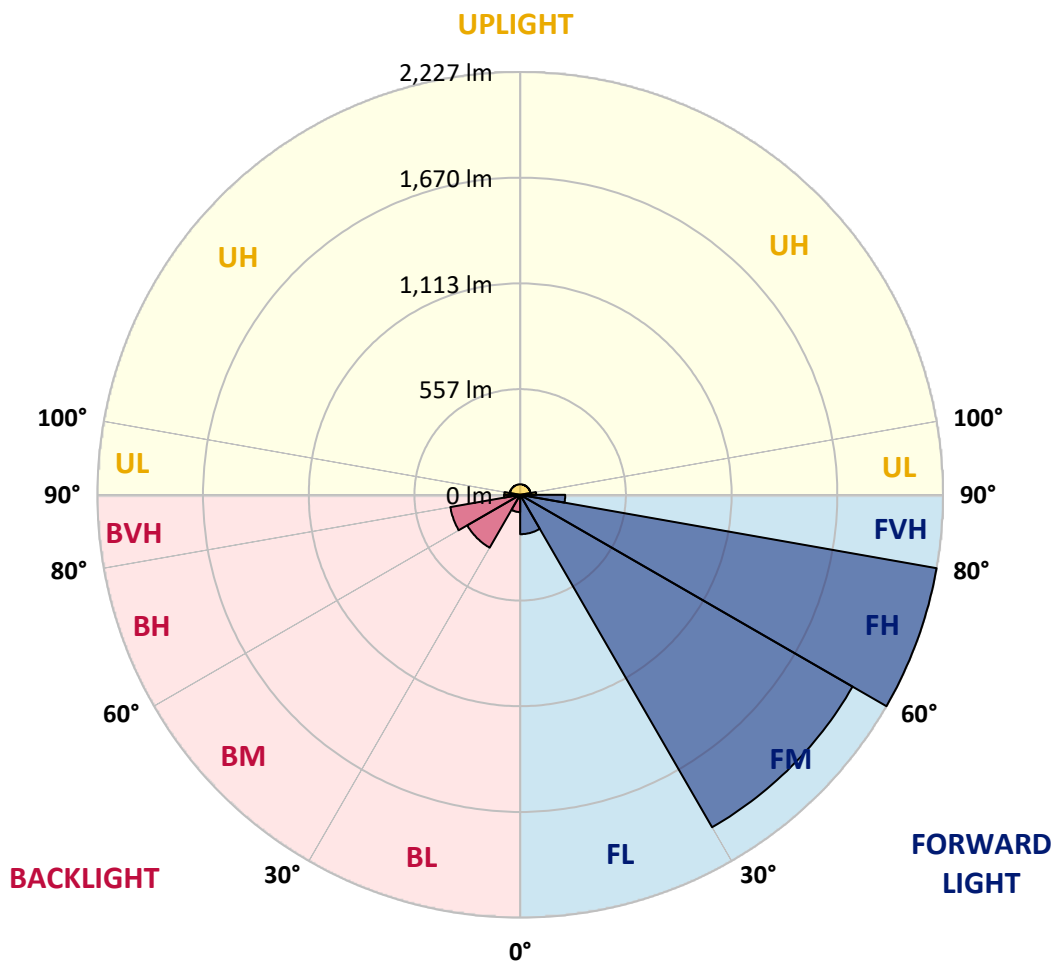
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.3	3.7			
FM (30°-60°)	2021.3	35.6			
FH (60°-80°)	2226.6	39.2			G2/5000
FVH (80°-90°)	237.0	4.2			G3/500
BL (0°-30°)	91.0	1.6	B0/110		
BM (30°-60°)	321.5	5.7	B1/1000		
BH (60°-80°)	373.5	6.6	B1/500		G1/500
BVH (80°-90°)	85.4	1.5			G1/100
UL (90°-100°)	83.3	1.5		U3/500	
UH (100°-180°)	55.2	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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	7.1	6.5	5.8	6.5	7.1	6.5	5.2	4.5	3.9	3.9	3.9
5°	189.3	186.7	185.4	144.5	34.4	21.4	8.4	5.8	5.2	3.9	3.9
7.5°	191.9	189.3	189.9	189.3	186.0	186.0	60.3	22.0	12.3	4.5	4.5
10°	202.2	198.3	193.2	192.5	191.2	189.3	186.0	182.1	41.5	7.1	6.5
12.5°	373.3	371.4	368.8	284.5	206.1	191.9	189.9	185.4	142.6	27.2	125.7
15°	370.8	370.1	365.6	367.5	366.9	208.7	236.6	394.7	379.2	274.8	317.0
17.5°	388.9	387.0	373.3	364.9	365.6	416.8	387.0	389.5	390.8	347.4	339.6
20°	527.6	524.4	523.1	508.2	371.4	489.4	499.1	404.5	414.2	539.3	602.8
22.5°	534.1	529.6	524.4	520.5	585.9	487.4	527.6	644.3	615.1	713.6	672.8
25°	721.4	709.1	657.9	532.8	585.3	561.3	682.5	679.3	643.0	744.7	719.5
27.5°	781.0	772.6	735.0	706.5	597.0	672.1	678.6	685.8	808.9	1027.3	957.3
30°	1046.1	980.7	811.5	794.0	712.3	678.0	775.9	831.6	910.0	1031.9	1012.4
32.5°	1197.8	1166.0	1084.4	959.3	834.2	741.5	841.3	841.3	914.6	1247.1	1280.1
35°	1443.5	1341.1	1181.6	1096.7	951.5	887.3	867.2	976.8	1081.1	1309.9	1308.0
37.5°	1532.3	1522.5	1462.9	1202.3	1118.7	965.1	1011.1	1044.8	1133.0	1400.7	1396.8
40°	1580.9	1602.3	1606.8	1430.5	1242.5	1114.8	1098.6	1117.4	1202.3	1528.4	1479.1
42.5°	1745.5	1753.3	1777.3	1576.3	1427.9	1278.2	1232.8	1225.0	1284.0	1676.8	1588.0
45°	2011.3	2015.1	1997.6	1744.2	1578.9	1440.2	1389.7	1359.8	1411.7	1823.9	1726.1
47.5°	2315.9	2325.0	2240.7	1934.1	1716.3	1596.4	1569.2	1523.2	1556.2	1956.8	1897.8
50°	2558.3	2555.7	2405.3	2087.7	1855.0	1756.5	1748.1	1705.3	1709.2	2118.2	2083.2
52.5°	2621.2	2617.3	2489.0	2201.2	1981.4	1923.1	1961.3	1895.2	1860.9	2285.4	2275.7
55°	2526.5	2533.7	2473.4	2248.5	2061.8	2069.6	2168.8	2111.7	2065.1	2443.6	2459.1
57.5°	2389.8	2381.4	2390.4	2266.6	2124.7	2212.8	2415.7	2344.4	2299.7	2622.5	2640.0
60°	2136.4	2124.7	2242.0	2247.2	2183.0	2374.9	2678.2	2608.9	2546.0	2811.1	2792.3
62.5°	1750.7	1735.8	1947.7	2127.9	2249.8	2564.8	2937.5	2862.3	2801.4	3011.4	2975.7
65°	1165.4	1236.1	1484.3	1867.4	2225.1	2838.3	3280.4	3167.6	3056.7	3216.8	3210.4
67.5°	676.0	726.6	908.7	1328.1	2022.3	3072.3	3824.2	3610.3	3419.1	3449.5	3434.6
70°	419.4	434.9	514.0	766.1	1425.3	2995.2	4427.0	4288.9	3883.8	3708.8	3469.6
72.5°	325.4	335.7	381.1	500.4	866.6	2316.5	4713.5	4907.3	4353.1	3776.9	3297.2
74°	266.4	272.9	320.2	447.9	695.5	1766.2	4509.9	4974.7	4497.0	3743.8	3098.9
75°	210.7	217.1	270.3	429.7	661.1	1409.1	4208.5	4849.6	4501.5	3692.6	2859.7
77.5°	129.0	133.5	145.8	296.9	600.8	805.0	3105.4	3992.0	3989.5	3066.5	2050.8
80°	102.4	103.7	108.9	156.2	489.4	729.8	1966.5	2755.3	2735.3	1840.8	1050.7
82.5°	70.6	75.8	86.2	101.1	260.6	714.9	1239.9	1711.8	1476.5	700.7	439.5
85°	47.3	51.2	65.5	75.2	139.4	760.9	889.9	963.2	726.6	346.8	289.7
87.5°	19.4	20.1	29.8	36.3	56.4	364.9	598.9	477.0	334.5	219.7	235.9
90°	10.4	10.4	7.8	8.4	20.7	78.4	195.7	189.9	157.5	180.8	221.7
92.5°	11.7	11.7	7.8	8.4	20.1	61.6	211.9	216.5	180.8	192.5	237.2
95°	13.0	13.0	7.8	7.8	19.4	42.1	203.5	228.8	186.0	202.2	239.2
97.5°	14.3	14.9	7.1	7.1	15.6	31.8	127.7	156.2	121.2	105.0	114.7
100°	14.9	14.9	6.5	6.5	10.4	22.7	59.0	75.2	58.3	27.2	18.8
102.5°	14.9	15.6	6.5	5.8	7.1	14.3	18.8	27.2	21.4	16.2	17.5
105°	14.3	15.6	6.5	5.8	5.8	7.8	9.7	11.0	11.7	11.7	18.1
107.5°	11.0	12.3	5.2	5.8	5.2	5.2	3.9	4.5	5.8	10.4	18.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	7.8	7.8	3.9	5.2	4.5	5.2	3.2	3.9	5.2	7.8	14.9
112.5°	3.9	3.2	2.6	3.9	3.9	4.5	3.2	3.2	4.5	6.5	10.4
115°	2.6	3.2	1.9	2.6	3.2	3.2	2.6	3.2	3.9	6.5	11.0
117.5°	2.6	2.6	1.9	2.6	3.2	2.6	2.6	3.2	3.9	6.5	11.0
120°	3.2	2.6	1.9	2.6	2.6	1.9	2.6	3.2	3.2	6.5	11.0
122.5°	3.2	3.2	2.6	2.6	2.6	1.9	2.6	2.6	3.2	6.5	10.4
125°	3.9	3.2	2.6	2.6	2.6	1.9	2.6	2.6	3.2	5.8	9.7
127.5°	3.9	3.9	2.6	2.6	3.2	1.9	2.6	2.6	3.2	5.2	9.1
130°	3.9	3.9	3.2	2.6	3.2	2.6	2.6	2.6	3.2	4.5	7.8
132.5°	3.9	3.9	3.2	3.2	3.2	2.6	2.6	2.6	2.6	3.9	6.5
135°	4.5	3.9	3.2	3.2	3.9	2.6	2.6	2.6	2.6	3.2	4.5
137.5°	4.5	4.5	3.9	3.9	4.5	3.2	2.6	3.2	3.2	3.2	3.9
140°	5.2	5.2	5.2	4.5	4.5	3.2	3.2	3.2	3.2	3.9	3.9
142.5°	6.5	5.8	5.8	5.2	4.5	3.2	3.2	3.2	3.9	3.9	3.9
145°	7.1	7.1	6.5	5.8	4.5	3.2	3.2	3.9	3.9	4.5	4.5
147.5°	7.1	7.1	6.5	5.2	3.9	2.6	3.2	3.9	3.9	4.5	5.2
150°	7.1	6.5	5.8	4.5	3.2	1.9	2.6	3.2	3.9	4.5	5.2
152.5°	5.2	5.2	4.5	3.2	2.6	1.3	1.9	2.6	3.2	3.9	4.5
155°	3.2	3.2	2.6	1.9	1.9	1.3	1.9	2.6	2.6	3.2	3.9
157.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9	2.6	2.6
160°	0.6	0.6	1.3	0.6	1.3	1.3	1.3	1.9	1.9	1.9	1.9
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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
2.5°	3.9	3.9	3.9	3.2	3.2	1.9	2.6	2.6	3.2	3.9	4.5
5°	3.9	4.5	3.9	3.2	3.2	2.6	3.2	3.2	3.2	4.5	4.5
7.5°	4.5	4.5	3.9	3.9	3.2	2.6	4.5	140.0	160.7	165.9	167.2
10°	5.8	5.8	5.2	4.5	3.9	151.0	166.6	166.6	165.3	166.6	166.6
12.5°	129.0	138.7	22.0	11.0	124.4	156.9	153.0	150.4	147.8	145.2	143.9
15°	313.7	304.0	278.7	209.4	193.2	143.9	132.2	183.4	195.7	199.0	198.3
17.5°	331.2	315.7	277.4	291.0	255.4	184.1	165.9	164.6	157.5	157.5	158.2
20°	622.9	587.2	378.5	283.9	221.7	223.0	141.9	126.4	132.2	140.7	145.8
22.5°	639.7	593.1	442.7	369.5	199.6	180.2	138.7	122.5	165.3	182.1	183.4
25°	682.5	608.0	448.5	311.1	225.6	147.8	138.1	127.7	151.7	167.2	165.9
27.5°	924.3	819.9	569.7	286.5	178.2	139.4	130.3	122.5	151.0	176.3	175.7
30°	923.0	808.3	526.3	263.8	147.1	129.6	118.6	133.5	140.7	150.4	151.0
32.5°	1198.5	1027.3	575.6	219.1	130.3	112.1	117.3	121.9	127.7	152.3	157.5
35°	1204.3	1004.7	499.7	200.9	119.9	106.9	110.2	120.6	132.9	148.4	149.7
37.5°	1227.6	993.0	414.8	165.9	123.2	108.2	114.7	126.4	123.2	144.5	147.1
40°	1270.4	996.2	348.7	148.4	121.2	108.2	119.9	121.9	122.5	133.5	134.8
42.5°	1336.5	1013.7	293.0	140.7	119.3	117.3	116.0	116.7	112.1	134.2	136.8
45°	1430.5	1050.0	250.2	138.1	119.3	136.8	121.2	116.7	106.9	154.3	165.3
47.5°	1569.2	1121.3	224.9	138.7	119.9	130.9	119.9	113.4	111.5	180.2	188.0
50°	1726.1	1203.0	208.1	141.3	119.9	129.0	118.0	116.7	123.8	182.8	184.7
52.5°	1894.6	1311.9	202.2	143.9	129.0	130.9	134.2	133.5	119.3	146.5	146.5
55°	2065.7	1424.7	204.2	147.1	136.1	134.2	143.2	126.4	102.4	108.9	107.6
57.5°	2227.1	1556.2	217.8	145.2	131.6	132.9	144.5	118.6	102.4	108.9	111.5
60°	2402.1	1698.8	255.4	140.0	129.6	129.0	142.6	125.1	102.4	125.1	125.7
62.5°	2615.3	1895.2	337.0	145.2	140.0	132.9	143.2	138.1	117.3	119.9	122.5
65°	2867.5	2098.1	414.8	165.3	147.8	133.5	141.3	145.2	132.9	128.3	127.7
67.5°	3052.2	2148.0	418.1	191.9	158.2	140.7	142.6	158.2	145.2	147.8	146.5
70°	3005.5	2011.9	362.3	202.9	164.6	146.5	146.5	164.0	153.0	175.7	176.3
72.5°	2777.4	1746.8	305.9	188.0	156.2	148.4	162.7	169.8	162.7	211.3	208.7
74°	2515.5	1547.2	281.3	171.1	153.0	147.8	167.2	169.8	167.9	225.6	223.6
75°	2314.6	1390.3	267.7	161.4	151.0	145.8	168.5	170.5	169.8	227.5	226.9
77.5°	1599.7	939.2	234.0	143.9	147.8	145.8	167.9	174.4	178.9	226.2	224.3
80°	820.6	514.0	195.1	136.1	146.5	149.7	165.9	168.5	175.7	213.9	211.9
82.5°	411.6	296.2	143.2	125.1	148.4	162.7	166.6	163.3	165.3	197.0	193.8
85°	265.1	204.8	95.3	105.0	151.0	176.3	165.9	152.3	154.9	171.8	170.5
87.5°	213.2	151.7	58.3	81.7	160.7	161.4	151.7	134.8	131.6	134.8	132.9
90°	197.0	140.7	49.3	77.1	155.6	134.8	123.8	110.2	98.5	99.2	95.3
92.5°	211.9	147.1	52.5	76.5	123.8	94.6	90.7	83.6	69.4	61.6	57.7
95°	208.7	141.3	53.1	64.8	90.7	53.8	64.2	59.0	42.8	32.4	30.5
97.5°	100.5	71.3	47.3	50.6	53.1	40.8	54.4	49.9	31.1	20.1	18.8
100°	18.8	26.6	42.1	48.0	42.1	31.8	42.8	38.2	16.9	10.4	9.7
102.5°	18.1	14.9	31.8	43.4	26.6	18.1	23.3	21.4	11.0	7.8	7.8
105°	18.8	14.9	14.9	29.8	16.2	8.4	7.1	10.4	7.8	7.8	8.4
107.5°	19.4	14.9	9.1	9.7	7.8	6.5	5.2	5.2	5.8	8.4	9.1



REPORT NUMBER: P416120

CATALOG NUMBER: LXF.LXT-PA1-60-830-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.6	13.0	8.4	7.8	7.1	6.5	5.2	4.5	5.8	9.1	9.7
112.5°	11.0	10.4	7.8	6.5	5.8	5.8	4.5	3.9	5.8	9.7	10.4
115°	11.0	10.4	6.5	5.8	4.5	5.2	4.5	3.9	5.8	11.0	11.7
117.5°	11.7	9.7	6.5	5.2	3.9	3.9	3.9	3.9	6.5	11.0	11.7
120°	11.7	9.7	6.5	4.5	3.9	3.2	3.9	3.9	6.5	11.0	12.3
122.5°	11.0	9.7	5.8	4.5	3.9	3.2	3.2	3.2	5.8	11.0	11.7
125°	10.4	9.1	5.8	4.5	3.9	2.6	3.2	3.2	5.8	10.4	11.7
127.5°	9.7	8.4	5.8	4.5	3.2	2.6	3.2	3.2	5.8	9.7	11.0
130°	8.4	7.8	5.2	3.9	3.2	2.6	3.2	3.2	5.8	9.1	10.4
132.5°	7.1	6.5	4.5	3.9	3.2	2.6	3.2	2.6	4.5	8.4	9.1
135°	5.2	5.2	4.5	3.2	3.2	1.9	2.6	2.6	3.9	6.5	7.1
137.5°	4.5	4.5	3.9	3.2	3.2	1.9	2.6	1.9	3.2	5.2	5.8
140°	4.5	4.5	3.9	3.2	2.6	1.9	1.9	1.9	2.6	4.5	4.5
142.5°	4.5	4.5	3.9	3.2	2.6	1.9	1.9	1.9	2.6	3.9	4.5
145°	4.5	4.5	4.5	3.9	2.6	1.9	1.9	1.9	2.6	3.9	3.9
147.5°	5.2	5.2	4.5	3.2	2.6	1.3	1.3	1.9	2.6	3.9	3.9
150°	5.2	5.2	4.5	3.2	2.6	1.3	0.6	1.3	1.9	3.2	3.9
152.5°	4.5	4.5	3.9	3.2	1.9	1.3	0.6	1.3	1.9	3.2	3.2
155°	3.9	3.9	3.2	2.6	1.9	0.6	0.0	0.6	1.3	2.6	2.6
157.5°	2.6	3.2	2.6	1.9	1.3	0.6	0.0	0.6	0.6	1.9	1.9
160°	2.6	2.6	2.6	1.9	1.3	0.6	0.0	0.0	0.6	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)