

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: P416138

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416138  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)  
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-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5852.9 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G2

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

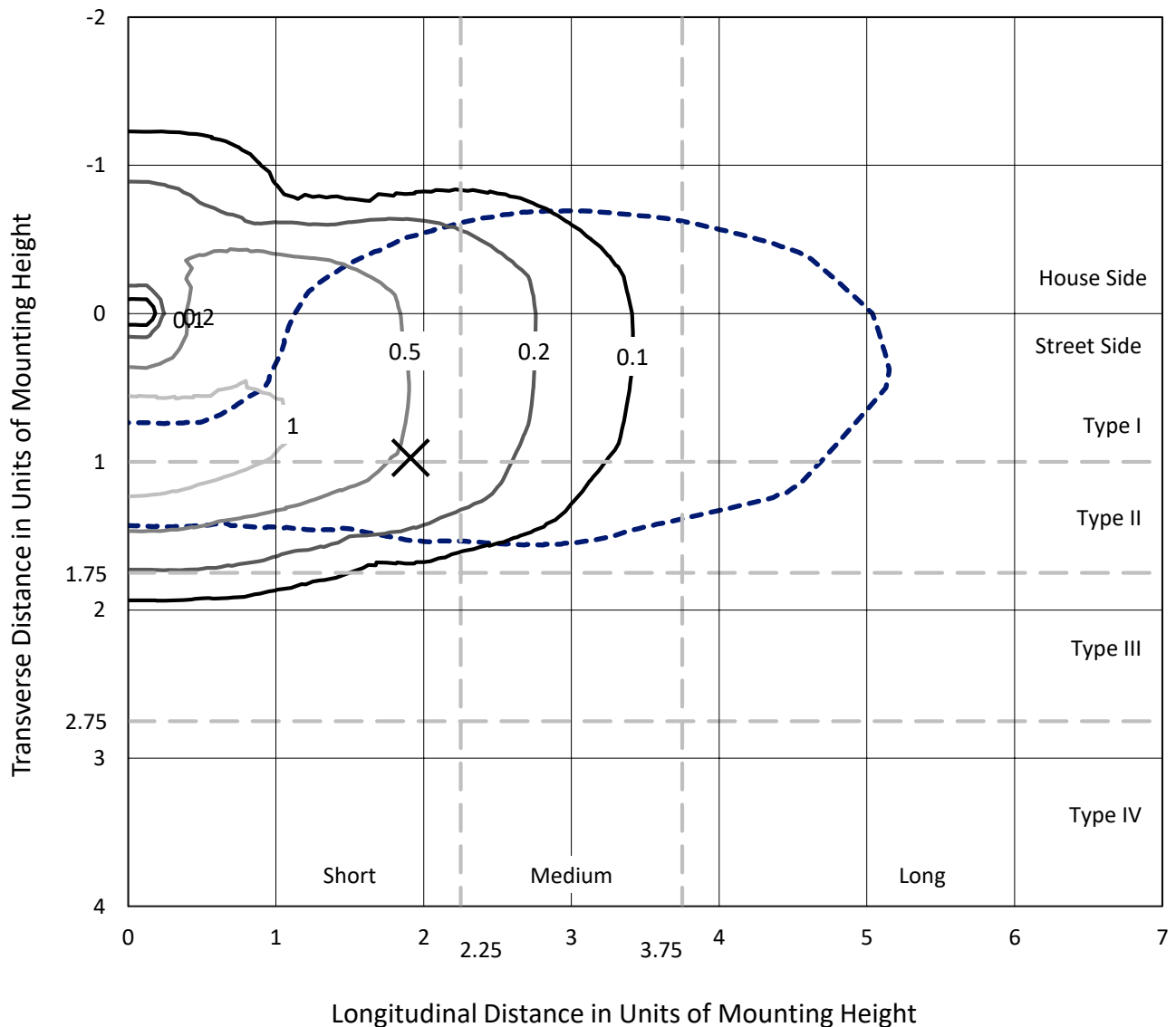


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

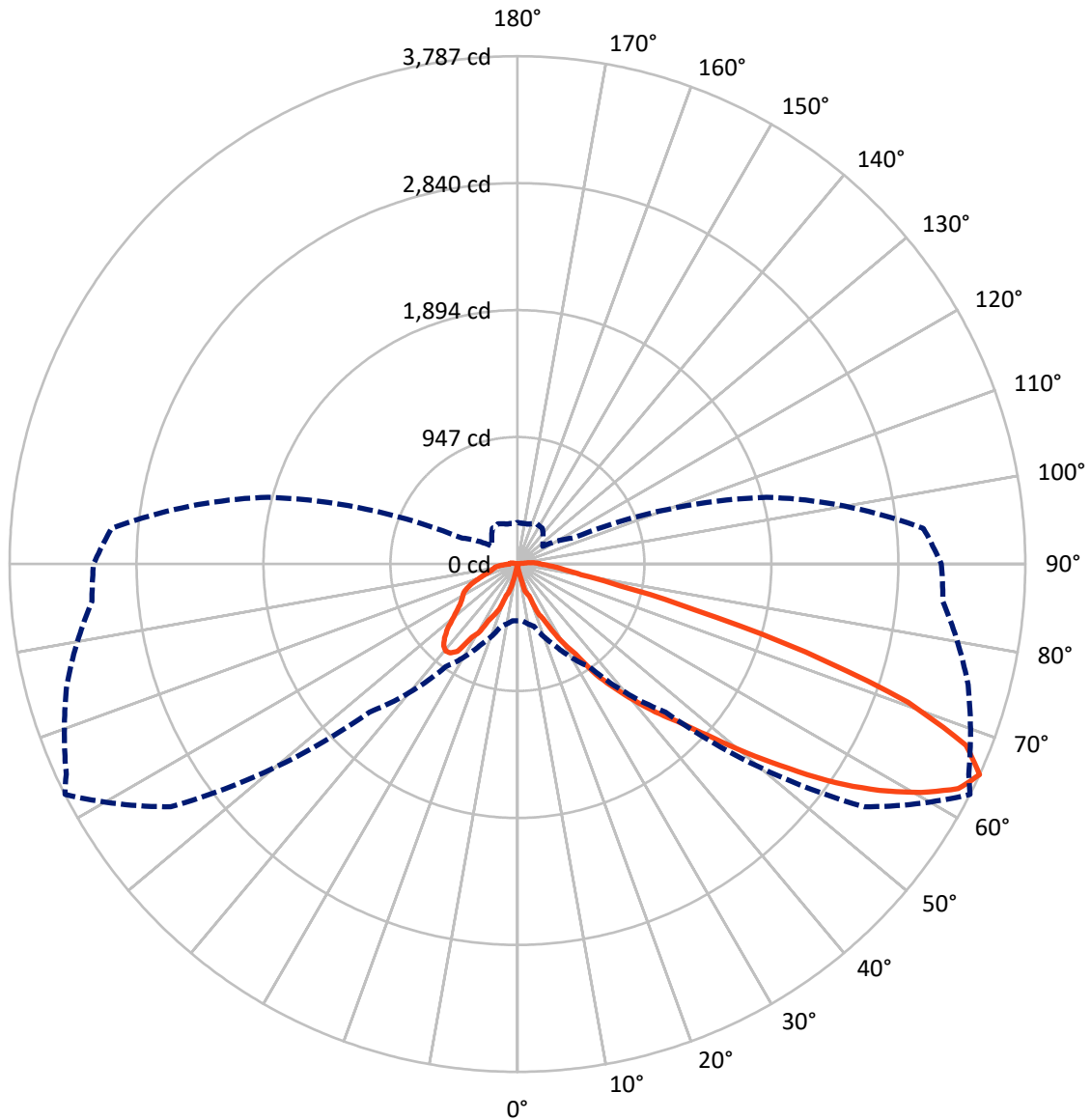


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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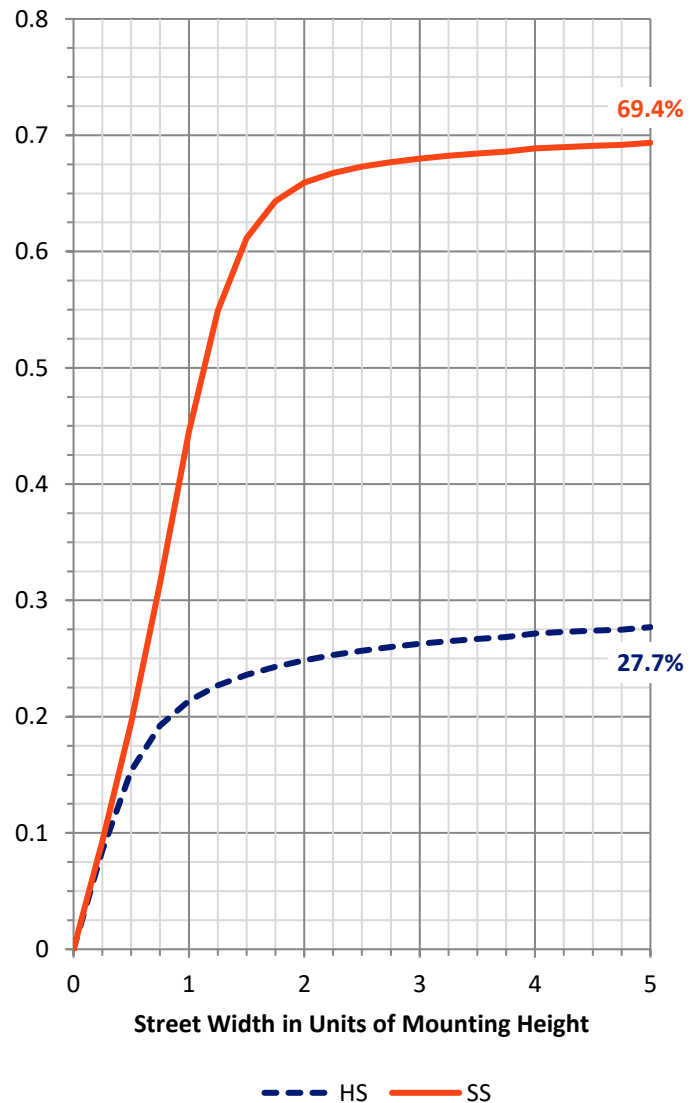
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1665.7	48.3	1714.0
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	4093.9	45.0	4138.9
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	5759.6	93.3	5852.9
	% Fixture	98.4	1.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	52.6	0.9
20°-30°	215.0	3.7
30°-40°	558.7	9.5
40°-50°	1062.4	18.2
50°-60°	1430.2	24.4
60°-70°	1354.9	23.1
70°-80°	849.0	14.5
80°-90°	233.1	4.0
90°-100°	65.2	1.1
100°-110°	12.1	0.2
110°-120°	5.9	0.1
120°-130°	4.3	0.1
130°-140°	2.7	0.0
140°-150°	2.2	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5759.6	98.4
0°-180°	5852.9	100.0



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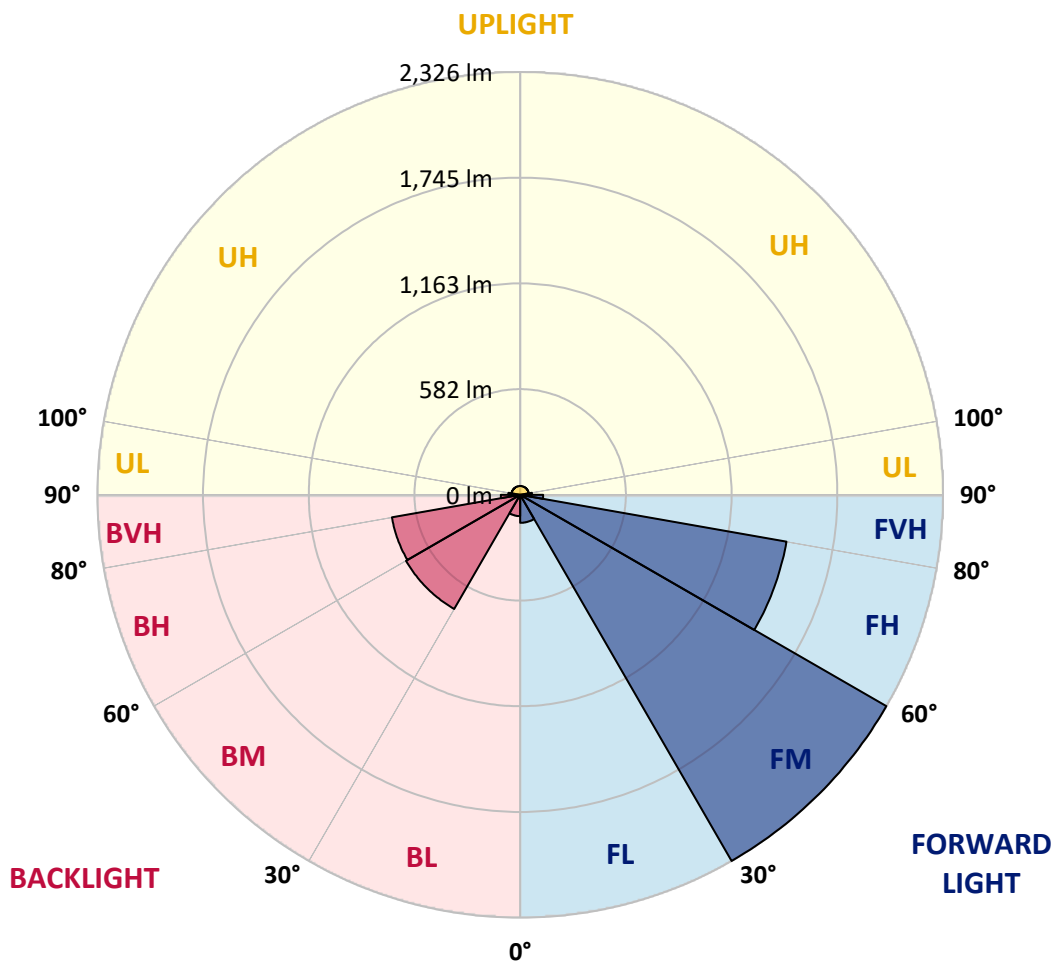
CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	154.0	2.6			
FM (30°-60°)	2326.1	39.7			
FH (60°-80°)	1487.4	25.4			G1/1800
FVH (80°-90°)	126.4	2.2			G2/225
BL (0°-30°)	117.3	2.0	B1/500		
BM (30°-60°)	725.2	12.4	B1/1000		
BH (60°-80°)	716.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	106.7	1.8			G2/225
UL (90°-100°)	65.2	1.1		U3/500	
UH (100°-180°)	48.3	0.8		U2/50	

**BUG Rating: B2-U3-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.8	7.1	7.8	7.8	7.1	6.5	5.8	5.2	4.5	3.2	2.6
5°	91.4	92.1	90.8	88.8	31.8	14.3	8.4	6.5	5.8	3.9	3.2
7.5°	105.0	104.4	103.7	102.4	97.9	92.1	49.9	11.7	9.1	5.2	3.2
10°	115.4	114.1	110.8	110.2	105.7	102.4	94.6	60.9	51.2	9.1	6.5
12.5°	210.0	205.5	201.6	166.6	116.7	110.2	105.7	92.1	90.1	57.7	86.2
15°	219.8	220.4	217.8	213.9	204.8	137.4	171.1	207.4	206.8	178.9	176.3
17.5°	249.6	247.6	237.9	228.2	224.9	244.4	242.4	231.4	231.4	204.8	193.8
20°	385.7	382.5	376.6	313.7	279.4	315.7	296.2	258.0	259.3	316.3	343.6
22.5°	446.6	445.3	433.7	405.8	395.4	348.1	390.2	403.9	396.1	400.6	383.8
25°	611.3	604.8	553.6	504.3	510.2	470.0	469.3	460.9	456.4	436.3	466.7
27.5°	777.9	772.7	761.0	691.7	589.3	566.6	530.3	578.9	565.9	612.6	623.0
30°	1030.7	983.4	884.8	838.2	804.5	696.2	685.8	700.7	696.9	683.9	672.2
32.5°	1293.9	1274.4	1216.7	1046.3	939.3	877.1	846.6	800.6	779.2	918.6	928.3
35°	1568.7	1550.6	1409.3	1310.1	1126.6	1025.5	1008.7	1015.1	986.6	1054.7	1038.5
37.5°	2052.3	2043.3	1901.3	1593.4	1401.5	1203.8	1180.4	1172.7	1127.9	1177.2	1177.9
40°	2362.8	2347.9	2191.1	1964.2	1655.0	1490.3	1376.9	1332.1	1320.5	1323.1	1323.7
42.5°	2593.6	2569.6	2478.2	2269.5	1946.7	1753.5	1593.4	1507.2	1530.5	1485.1	1482.5
45°	2743.4	2730.4	2647.4	2473.0	2249.4	2153.5	1870.2	1675.7	1754.1	1673.1	1669.2
47.5°	2777.1	2771.2	2713.5	2626.0	2532.7	2492.5	2204.0	1906.5	1978.4	1942.8	1870.2
50°	2630.6	2635.7	2614.4	2646.1	2747.9	2793.9	2556.0	2212.4	2252.0	2167.1	2074.4
52.5°	2310.3	2309.7	2387.5	2528.1	2827.0	3011.1	2882.1	2530.7	2528.8	2375.2	2270.1
55°	1854.6	1889.6	2021.2	2239.7	2718.7	3110.9	3191.3	2880.8	2826.3	2618.2	2444.5
57.5°	1413.2	1458.5	1620.0	1818.3	2410.8	3040.3	3416.2	3184.8	3128.4	2837.4	2629.3
60°	956.2	973.7	1177.2	1406.7	1917.5	2768.6	3521.9	3459.0	3396.8	3061.0	2816.0
62.5°	637.2	652.8	769.5	1048.9	1374.9	2250.0	3453.8	3690.4	3608.1	3325.5	3011.1
65°	423.9	423.9	481.6	674.8	935.4	1562.3	3155.6	3787.0	3712.5	3478.5	3184.2
67.5°	312.5	317.6	336.4	435.0	637.2	934.8	2510.0	3608.8	3616.5	3496.0	3239.3
70°	283.3	286.5	302.7	328.0	455.1	556.2	1658.8	3091.5	3225.6	3363.7	3168.6
72.5°	247.6	248.9	274.9	302.1	358.5	426.5	964.6	2246.8	2528.8	3075.9	2974.1
75°	207.4	209.4	230.1	271.0	309.9	357.8	513.4	1367.8	1648.5	2640.9	2716.8
77.5°	168.5	173.1	189.9	221.7	284.6	300.1	394.1	781.8	954.9	1966.8	2296.7
80°	129.6	134.2	149.1	174.4	232.7	265.1	327.4	481.0	578.9	1222.6	1605.0
82.5°	88.8	92.1	107.0	125.8	166.6	221.1	271.0	354.6	383.1	669.0	885.5
85°	62.9	64.8	74.5	83.0	103.7	145.2	226.2	281.3	289.1	354.6	360.4
87.5°	35.7	35.0	36.3	42.1	47.3	56.4	133.5	206.1	215.9	247.0	229.5
90°	24.6	24.0	20.1	19.4	22.0	24.0	75.8	164.0	172.4	199.0	204.2
92.5°	25.9	24.6	19.4	18.2	20.7	22.0	50.6	143.3	161.4	199.0	210.0
95°	24.6	23.3	17.5	15.6	18.8	19.4	31.1	98.5	127.1	186.0	205.5
97.5°	21.4	20.1	14.3	13.0	15.6	15.6	17.5	45.4	62.2	86.9	97.9
100°	17.5	16.2	11.7	10.4	11.0	11.7	11.0	22.7	22.7	24.0	18.8
102.5°	15.6	14.9	9.7	8.4	7.8	7.8	7.1	11.0	11.7	13.0	16.2
105°	13.6	13.0	8.4	7.1	5.8	5.8	5.2	7.1	7.8	11.0	15.6
107.5°	9.7	9.7	7.1	5.8	5.2	5.2	3.9	5.8	6.5	9.7	16.2
110°	6.5	6.5	5.2	5.2	4.5	5.2	3.9	5.8	5.8	7.8	12.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	5.2	5.2	4.5	3.9	3.2	3.9	4.5	5.2	5.2	5.8	7.8
115°	5.2	4.5	3.9	3.2	2.6	3.2	3.2	4.5	4.5	5.8	7.8
117.5°	5.2	5.2	3.9	3.2	2.6	2.6	3.2	3.9	3.9	5.8	8.4
120°	5.2	5.2	3.9	3.2	2.6	1.9	2.6	3.9	3.9	5.2	7.8
122.5°	5.2	5.2	3.9	3.2	2.6	1.9	2.6	3.2	3.2	4.5	7.8
125°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	2.6	2.6	4.5	7.1
127.5°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	2.6	2.6	3.9	5.8
130°	5.8	5.8	4.5	3.2	2.6	1.9	2.6	1.9	1.9	3.2	5.2
132.5°	5.8	5.2	4.5	3.9	3.2	2.6	2.6	1.9	1.9	1.9	3.9
135°	5.2	5.2	4.5	3.9	3.2	2.6	2.6	1.9	1.9	1.9	2.6
137.5°	5.2	5.2	5.2	4.5	3.9	3.2	2.6	1.9	1.9	1.9	1.9
140°	5.8	5.8	5.8	5.2	3.9	3.2	2.6	1.9	1.9	1.9	1.9
142.5°	6.5	6.5	6.5	5.8	3.9	3.2	3.2	1.9	1.9	1.9	1.9
145°	7.1	7.1	7.1	5.8	3.9	3.2	3.2	2.6	2.6	1.9	2.6
147.5°	7.8	7.8	7.1	5.8	3.2	2.6	2.6	2.6	2.6	2.6	2.6
150°	7.1	6.5	6.5	4.5	2.6	1.3	1.9	1.9	1.9	2.6	2.6
152.5°	5.2	5.2	4.5	3.2	1.9	0.6	1.3	1.3	1.9	1.9	1.9
155°	3.2	3.2	2.6	1.9	1.3	0.6	0.6	1.3	1.3	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	2.6	2.6	3.2	3.9	3.9	4.5	4.5	4.5	4.5	4.5	4.5
5°	2.6	2.6	3.2	3.9	4.5	5.2	5.8	5.8	5.8	6.5	6.5
7.5°	3.2	3.2	3.2	4.5	5.2	7.1	19.4	58.3	90.1	92.7	94.0
10°	6.5	6.5	6.5	6.5	14.3	83.0	103.1	107.6	110.2	112.1	112.1
12.5°	86.9	86.2	31.1	15.6	71.3	107.6	114.1	117.3	119.9	121.9	122.5
15°	176.3	177.0	177.0	178.9	129.6	117.3	123.8	182.8	216.5	223.0	225.6
17.5°	193.2	193.2	192.5	214.6	241.1	190.6	212.6	232.1	238.6	241.8	243.1
20°	352.6	352.0	283.9	246.3	254.8	316.3	237.9	247.0	252.2	300.8	302.1
22.5°	388.9	387.0	378.6	380.5	300.1	342.3	326.1	316.3	346.8	345.5	346.8
25°	477.8	431.1	412.9	409.0	435.0	355.9	377.9	327.4	335.1	333.8	335.1
27.5°	625.6	608.7	566.6	479.1	463.5	439.5	378.6	343.6	386.4	396.1	397.4
30°	670.9	649.5	604.8	608.7	516.6	447.3	368.8	380.5	365.6	364.3	361.7
32.5°	919.9	892.0	824.6	663.8	575.6	420.1	370.8	346.2	353.9	379.9	381.2
35°	1024.9	993.1	945.8	847.3	558.1	412.3	339.0	337.7	342.9	343.6	342.3
37.5°	1144.1	1102.7	1057.9	892.6	582.8	373.4	316.3	317.0	328.7	351.3	348.8
40°	1282.9	1236.8	1164.2	919.2	523.1	350.1	301.4	311.2	323.5	318.3	313.7
42.5°	1439.1	1363.9	1249.8	914.0	455.1	322.8	297.5	304.0	302.1	292.4	289.8
45°	1600.5	1520.8	1333.4	870.6	393.5	305.3	290.4	292.4	284.6	272.3	269.7
47.5°	1786.6	1681.5	1380.8	807.1	344.2	304.0	288.5	282.0	267.1	256.1	255.4
50°	1973.9	1859.2	1454.7	722.1	307.3	298.8	293.0	279.4	261.2	250.2	248.9
52.5°	2157.3	2056.9	1534.4	650.8	279.4	293.0	294.9	280.7	261.2	245.0	244.4
55°	2341.4	2253.3	1620.6	594.4	260.6	292.4	302.1	284.6	265.1	241.1	240.5
57.5°	2526.2	2440.6	1703.6	556.8	252.2	283.9	306.6	296.9	275.5	255.4	256.7
60°	2745.3	2644.2	1801.5	530.3	248.9	279.4	310.5	311.2	282.0	259.3	262.5
62.5°	2960.5	2858.1	1884.4	505.6	240.5	274.9	312.5	322.2	296.2	276.8	280.0
65°	3160.8	3039.0	1922.7	458.3	230.1	269.7	324.1	331.9	307.3	305.3	309.2
67.5°	3237.3	3123.9	1885.1	399.3	223.6	269.7	336.4	345.5	318.9	329.3	339.7
70°	3163.4	3068.8	1790.4	325.4	225.6	271.6	338.4	352.0	335.8	344.2	353.3
72.5°	2933.9	2813.4	1560.3	261.9	225.6	269.0	330.0	341.6	329.3	357.2	366.3
75°	2644.2	2434.1	1242.0	215.9	219.1	267.7	310.5	324.1	311.8	341.0	350.7
77.5°	2183.9	1914.9	858.9	190.6	210.0	256.1	290.4	293.0	280.7	298.2	302.7
80°	1540.2	1290.6	543.9	172.4	201.0	231.4	257.4	252.8	240.5	243.7	247.6
82.5°	858.9	682.6	317.0	158.8	188.6	192.5	210.7	212.0	195.8	196.4	197.1
85°	341.0	315.7	214.6	133.5	152.3	138.7	157.5	164.0	148.4	130.3	126.4
87.5°	226.2	214.6	149.7	91.4	93.3	78.4	102.4	106.3	87.5	75.8	75.2
90°	215.2	208.7	129.0	61.6	51.9	42.8	57.0	55.1	42.1	36.9	37.6
92.5°	221.7	217.8	130.9	59.0	50.6	40.8	50.6	43.4	31.8	27.9	28.5
95°	218.5	216.5	127.7	57.7	48.0	37.6	42.8	35.0	24.6	22.0	22.0
97.5°	103.7	109.6	79.1	51.9	42.8	31.8	33.1	26.6	17.5	16.2	15.6
100°	15.6	24.6	42.8	48.0	31.8	22.0	21.4	17.5	11.0	10.4	10.4
102.5°	16.2	17.5	26.6	33.1	17.5	11.7	11.7	10.4	8.4	9.7	9.7
105°	17.5	16.2	15.6	18.2	10.4	7.1	6.5	6.5	7.1	10.4	11.0
107.5°	18.8	17.5	12.3	9.7	7.8	6.5	5.2	4.5	6.5	11.0	11.7
110°	14.3	13.6	10.4	7.8	7.8	7.1	4.5	4.5	7.1	11.7	13.0



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CATALOG NUMBER: LXF.LXT-PA1-60-830-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.4	9.7	9.1	7.1	6.5	6.5	4.5	4.5	7.1	12.3	13.6
115°	9.1	9.1	7.8	5.8	5.2	5.2	4.5	3.9	7.1	13.0	13.6
117.5°	9.1	9.1	7.8	5.8	4.5	3.9	3.9	3.9	7.1	13.0	13.6
120°	9.1	9.1	7.8	5.2	4.5	3.9	3.9	3.9	7.1	12.3	13.6
122.5°	8.4	8.4	7.1	5.2	3.9	3.9	3.9	3.9	7.1	11.7	12.3
125°	7.8	7.8	6.5	4.5	3.9	3.2	3.9	3.9	6.5	10.4	11.0
127.5°	6.5	7.1	5.8	4.5	3.9	3.2	3.9	3.9	5.8	9.1	9.7
130°	5.8	5.8	5.2	3.9	3.2	3.2	3.9	3.9	5.8	8.4	9.1
132.5°	4.5	4.5	3.9	3.9	3.2	3.2	3.2	3.2	4.5	7.1	7.1
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.9	5.2	5.8
137.5°	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.5	4.5
140°	1.9	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.2	3.9	3.9
142.5°	1.9	2.6	2.6	3.2	3.2	3.2	3.2	3.2	3.9	4.5	4.5
145°	2.6	2.6	3.2	3.2	3.2	2.6	3.2	3.2	3.9	4.5	4.5
147.5°	2.6	2.6	3.2	3.2	3.2	2.6	2.6	3.2	3.9	4.5	4.5
150°	2.6	2.6	3.2	3.2	2.6	1.9	2.6	2.6	3.2	4.5	4.5
152.5°	2.6	2.6	2.6	2.6	1.9	1.3	1.9	1.9	2.6	3.2	3.2
155°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	2.6
157.5°	1.3	1.3	1.3	1.9	1.3	1.3	0.6	0.6	0.6	1.3	1.3
160°	0.6	0.6	1.3	1.3	1.3	1.3	0.6	0.6	0.6	0.6	0.6
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)