

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: P414006

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2U-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414006  
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-PA1-100-827-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA 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: 7246.9 lumens  
Efficiency: N/A  
Efficacy: 75.5 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

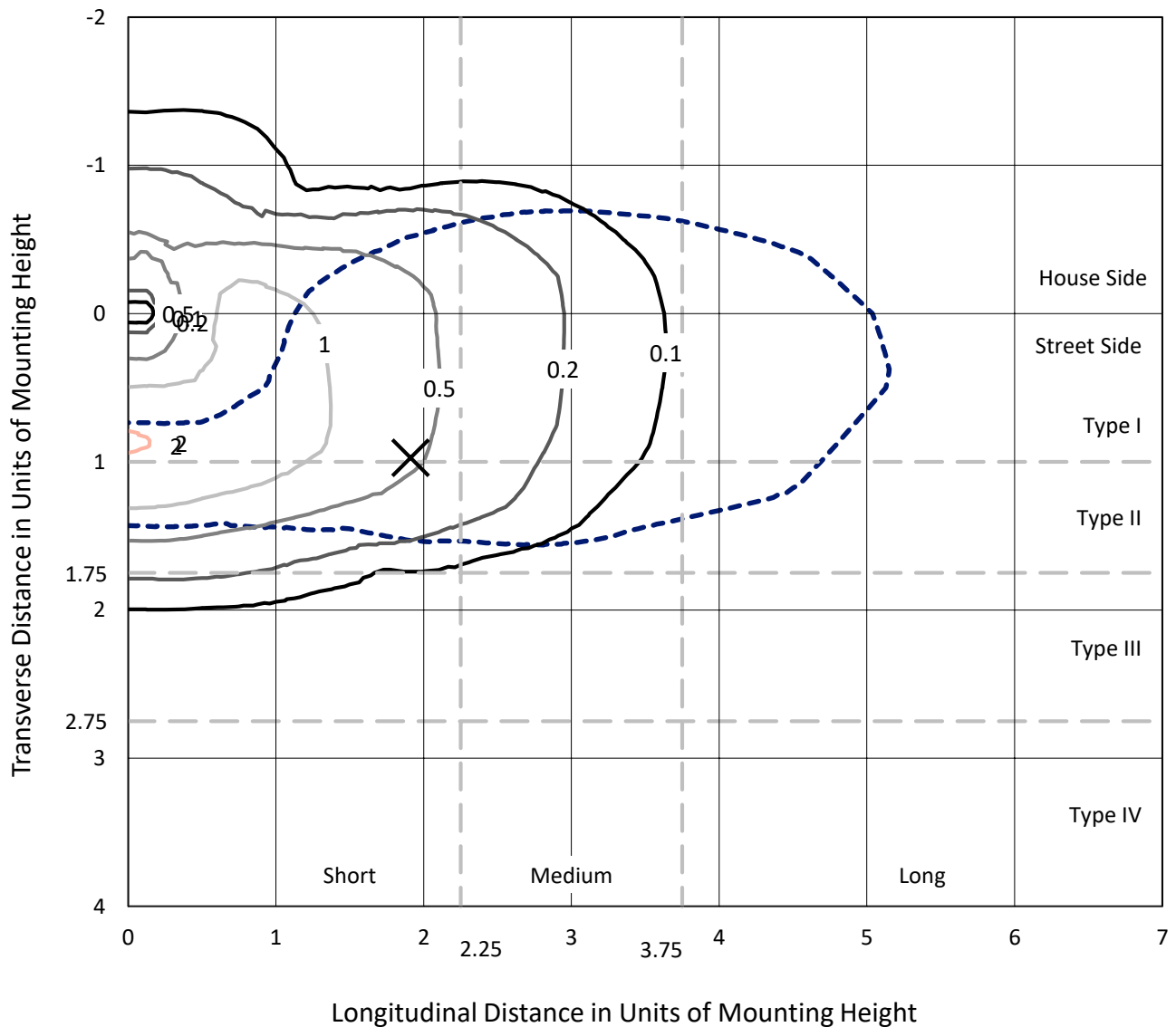
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

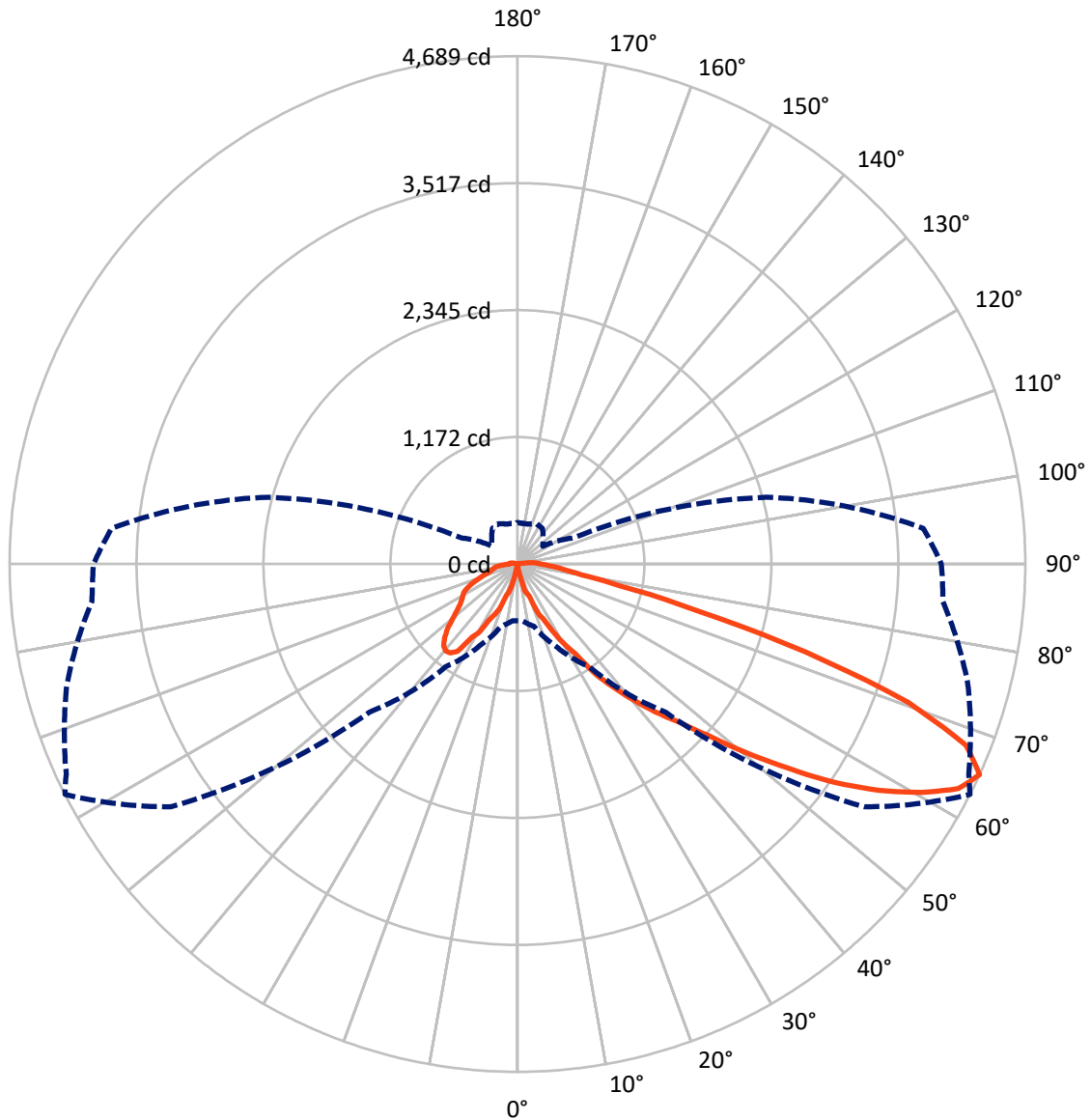
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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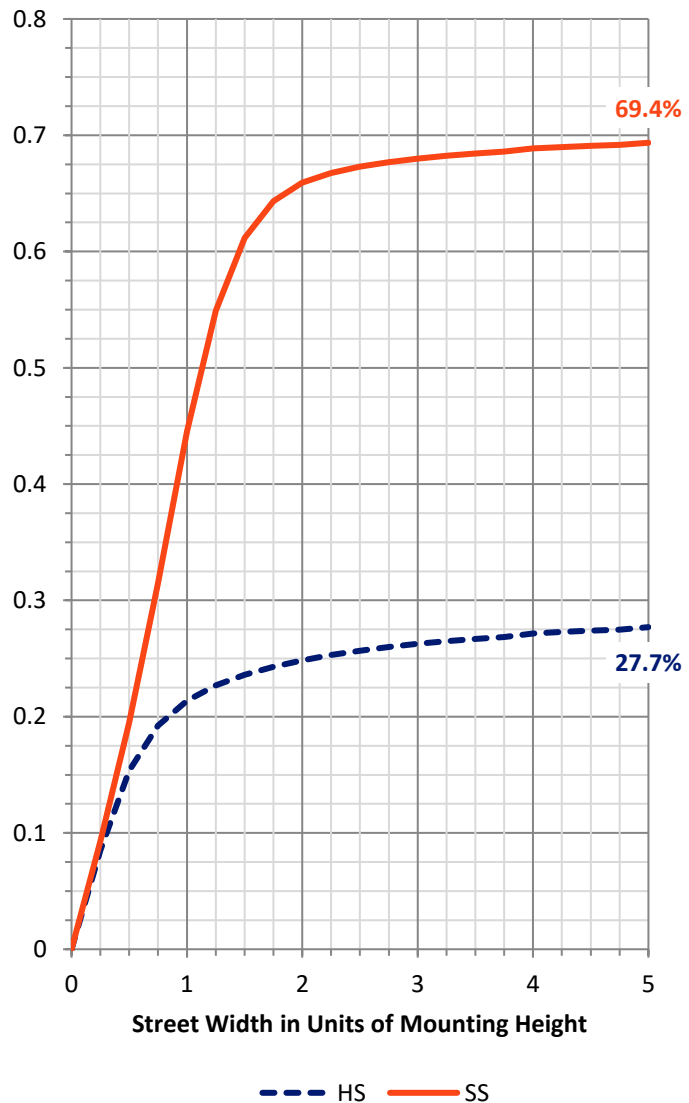
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2062.4	59.8	2122.2
	% Fixture	28.5	0.8	29.3
<b>Street Side</b>	Lumens	5069.0	55.7	5124.7
	% Fixture	69.9	0.8	70.7
<b>Total</b>	Lumens	7131.4	115.6	7246.9
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	65.1	0.9
20°-30°	266.3	3.7
30°-40°	691.8	9.5
40°-50°	1315.4	18.2
50°-60°	1770.8	24.4
60°-70°	1677.5	23.1
70°-80°	1051.2	14.5
80°-90°	288.6	4.0
90°-100°	80.8	1.1
100°-110°	15.0	0.2
110°-120°	7.2	0.1
120°-130°	5.3	0.1
130°-140°	3.4	0.0
140°-150°	2.8	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7131.4	98.4
0°-180°	7246.9	100.0

**Coefficient of Utilization**



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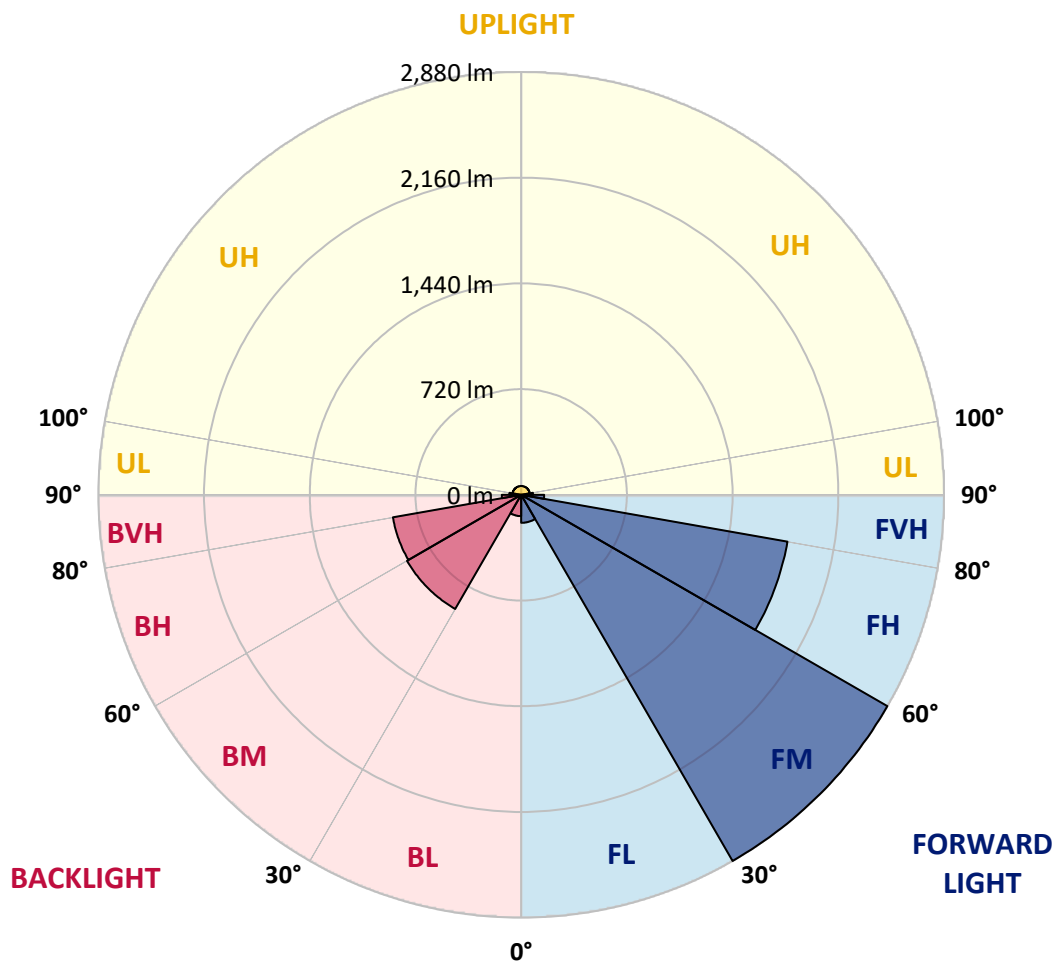
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	190.7	2.6			
FM (30°-60°)	2880.1	39.7			
FH (60°-80°)	1841.6	25.4			G2/5000
FVH (80°-90°)	156.6	2.2			G2/225
BL (0°-30°)	145.2	2.0	B1/500		
BM (30°-60°)	897.9	12.4	B1/1000		
BH (60°-80°)	887.1	12.2	B2/1000		G2/1000
BVH (80°-90°)	132.1	1.8			G2/225
UL (90°-100°)	80.8	1.1		U3/500	
UH (100°-180°)	59.8	0.8		U3/500	

**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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	9.6	8.8	9.6	9.6	8.8	8.0	7.2	6.4	5.6	4.0	3.2
5°	113.2	114.0	112.4	110.0	39.3	17.7	10.4	8.0	7.2	4.8	4.0
7.5°	130.0	129.2	128.4	126.8	121.2	114.0	61.8	14.4	11.2	6.4	4.0
10°	142.9	141.3	137.3	136.4	130.8	126.8	117.2	75.4	63.4	11.2	8.0
12.5°	260.1	254.4	249.6	206.3	144.5	136.4	130.8	114.0	111.6	71.4	106.8
15°	272.1	272.9	269.7	264.9	253.6	170.2	211.9	256.8	256.0	221.5	218.3
17.5°	309.0	306.6	294.6	282.5	278.5	302.6	300.2	286.5	286.5	253.6	240.0
20°	477.6	473.6	466.3	388.5	345.9	390.9	366.8	319.4	321.1	391.7	425.4
22.5°	553.0	551.4	537.0	502.4	489.6	431.0	483.2	500.0	490.4	496.0	475.2
25°	756.9	748.9	685.4	624.4	631.7	581.9	581.1	570.7	565.1	540.2	577.9
27.5°	963.2	956.7	942.3	856.4	729.6	701.5	656.6	716.8	700.7	758.5	771.3
30°	1276.2	1217.6	1095.6	1037.8	996.1	862.0	849.2	867.6	862.8	846.8	832.3
32.5°	1602.1	1578.0	1506.5	1295.4	1163.0	1086.0	1048.2	991.3	964.8	1137.3	1149.4
35°	1942.4	1919.9	1744.9	1622.1	1395.0	1269.8	1248.9	1256.9	1221.6	1305.9	1285.8
37.5°	2541.1	2529.9	2354.1	1972.9	1735.3	1490.5	1461.6	1452.0	1396.6	1457.6	1458.4
40°	2925.6	2907.1	2712.9	2432.0	2049.1	1845.3	1704.8	1649.4	1635.0	1638.2	1639.0
42.5°	3211.3	3181.6	3068.5	2810.0	2410.3	2171.1	1972.9	1866.1	1895.0	1838.8	1835.6
45°	3396.7	3380.7	3277.9	3062.0	2785.1	2666.3	2315.6	2074.8	2171.9	2071.6	2066.8
47.5°	3438.5	3431.3	3359.8	3251.5	3135.9	3086.1	2728.9	2360.5	2449.6	2405.5	2315.6
50°	3257.1	3263.5	3237.0	3276.3	3402.4	3459.3	3164.8	2739.4	2788.3	2683.2	2568.4
52.5°	2860.6	2859.8	2956.1	3130.3	3500.3	3728.2	3568.5	3133.5	3131.1	2940.8	2810.8
55°	2296.3	2339.7	2502.6	2773.1	3366.2	3851.8	3951.4	3566.9	3499.5	3241.8	3026.7
57.5°	1749.7	1805.9	2005.8	2251.4	2985.0	3764.3	4229.9	3943.3	3873.5	3513.1	3255.5
60°	1183.9	1205.6	1457.6	1741.7	2374.2	3428.0	4360.7	4282.8	4205.8	3790.0	3486.6
62.5°	789.0	808.3	952.7	1298.7	1702.4	2785.9	4276.4	4569.4	4467.4	4117.5	3728.2
65°	524.9	524.9	596.4	835.5	1158.2	1934.3	3907.2	4689.0	4596.7	4306.9	3942.5
67.5°	386.9	393.3	416.6	538.6	789.0	1157.4	3107.8	4468.3	4477.9	4328.6	4010.8
70°	350.8	354.8	374.8	406.1	563.4	688.7	2053.9	3827.8	3993.9	4164.9	3923.3
72.5°	306.6	308.2	340.3	374.0	443.9	528.1	1194.3	2781.9	3131.1	3808.5	3682.5
75°	256.8	259.3	284.9	335.5	383.7	443.1	635.7	1693.6	2041.1	3269.9	3363.8
77.5°	208.7	214.3	235.2	274.5	352.4	371.6	488.0	968.0	1182.3	2435.2	2843.7
80°	160.5	166.1	184.6	215.9	288.1	328.3	405.3	595.6	716.8	1513.8	1987.3
82.5°	110.0	114.0	132.4	155.7	206.3	273.7	335.5	439.0	474.4	828.3	1096.4
85°	77.9	80.3	92.3	102.7	128.4	179.8	280.1	348.3	358.0	439.0	446.3
87.5°	44.1	43.3	44.9	52.2	58.6	69.8	165.3	255.2	267.3	305.8	284.1
90°	30.5	29.7	24.9	24.1	27.3	29.7	93.9	203.1	213.5	246.4	252.8
92.5°	32.1	30.5	24.1	22.5	25.7	27.3	62.6	177.4	199.9	246.4	260.1
95°	30.5	28.9	21.7	19.3	23.3	24.1	38.5	122.0	157.3	230.4	254.4
97.5°	26.5	24.9	17.7	16.1	19.3	19.3	21.7	56.2	77.1	107.6	121.2
100°	21.7	20.1	14.4	12.8	13.6	14.4	13.6	28.1	28.1	29.7	23.3
102.5°	19.3	18.5	12.0	10.4	9.6	9.6	8.8	13.6	14.4	16.1	20.1
105°	16.9	16.1	10.4	8.8	7.2	7.2	6.4	8.8	9.6	13.6	19.3
107.5°	12.0	12.0	8.8	7.2	6.4	6.4	4.8	7.2	8.0	12.0	20.1
110°	8.0	8.0	6.4	6.4	5.6	6.4	4.8	7.2	7.2	9.6	15.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.4	6.4	5.6	4.8	4.0	4.8	5.6	6.4	6.4	7.2	9.6
115°	6.4	5.6	4.8	4.0	3.2	4.0	4.0	5.6	5.6	7.2	9.6
117.5°	6.4	6.4	4.8	4.0	3.2	3.2	4.0	4.8	4.8	7.2	10.4
120°	6.4	6.4	4.8	4.0	3.2	2.4	3.2	4.8	4.8	6.4	9.6
122.5°	6.4	6.4	4.8	4.0	3.2	2.4	3.2	4.0	4.0	5.6	9.6
125°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	3.2	3.2	5.6	8.8
127.5°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	3.2	3.2	4.8	7.2
130°	7.2	7.2	5.6	4.0	3.2	2.4	3.2	2.4	2.4	4.0	6.4
132.5°	7.2	6.4	5.6	4.8	4.0	3.2	3.2	2.4	2.4	2.4	4.8
135°	6.4	6.4	5.6	4.8	4.0	3.2	3.2	2.4	2.4	2.4	3.2
137.5°	6.4	6.4	6.4	5.6	4.8	4.0	3.2	2.4	2.4	2.4	2.4
140°	7.2	7.2	7.2	6.4	4.8	4.0	3.2	2.4	2.4	2.4	2.4
142.5°	8.0	8.0	8.0	7.2	4.8	4.0	4.0	2.4	2.4	2.4	2.4
145°	8.8	8.8	8.8	7.2	4.8	4.0	4.0	3.2	3.2	2.4	3.2
147.5°	9.6	9.6	8.8	7.2	4.0	3.2	3.2	3.2	3.2	3.2	3.2
150°	8.8	8.0	8.0	5.6	3.2	1.6	2.4	2.4	2.4	3.2	3.2
152.5°	6.4	6.4	5.6	4.0	2.4	0.8	1.6	1.6	2.4	2.4	2.4
155°	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
157.5°	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
2.5°	3.2	3.2	4.0	4.8	4.8	5.6	5.6	5.6	5.6	5.6	5.6
5°	3.2	3.2	4.0	4.8	5.6	6.4	7.2	7.2	7.2	8.0	8.0
7.5°	4.0	4.0	4.0	5.6	6.4	8.8	24.1	72.2	111.6	114.8	116.4
10°	8.0	8.0	8.0	8.0	17.7	102.7	127.6	133.2	136.4	138.9	138.9
12.5°	107.6	106.8	38.5	19.3	88.3	133.2	141.3	145.3	148.5	150.9	151.7
15°	218.3	219.1	219.1	221.5	160.5	145.3	153.3	226.3	268.1	276.1	279.3
17.5°	239.2	239.2	238.4	265.7	298.6	236.0	263.3	287.3	295.4	299.4	301.0
20°	436.6	435.8	351.6	305.0	315.4	391.7	294.6	305.8	312.2	372.4	374.0
22.5°	481.6	479.2	468.7	471.1	371.6	423.8	403.7	391.7	429.4	427.8	429.4
25°	591.5	533.8	511.3	506.5	538.6	440.6	467.9	405.3	415.0	413.4	415.0
27.5°	774.5	753.7	701.5	593.1	573.9	544.2	468.7	425.4	478.4	490.4	492.0
30°	830.7	804.2	748.9	753.7	639.7	553.8	456.7	471.1	452.7	451.1	447.9
32.5°	1138.9	1104.4	1020.9	821.9	712.7	520.1	459.1	428.6	438.2	470.3	471.9
35°	1269.0	1229.6	1171.0	1049.0	691.1	510.5	419.8	418.2	424.6	425.4	423.8
37.5°	1416.6	1365.3	1309.9	1105.2	721.6	462.3	391.7	392.5	406.9	435.0	431.8
40°	1588.4	1531.4	1441.5	1138.1	647.7	433.4	373.2	385.3	400.5	394.1	388.5
42.5°	1781.8	1688.7	1547.5	1131.7	563.4	399.7	368.4	376.4	374.0	362.0	358.8
45°	1981.7	1883.0	1651.0	1077.9	487.2	378.0	359.6	362.0	352.4	337.1	333.9
47.5°	2212.1	2082.0	1709.6	999.3	426.2	376.4	357.2	349.1	330.7	317.0	316.2
50°	2444.0	2301.9	1801.1	894.1	380.4	370.0	362.8	345.9	323.5	309.8	308.2
52.5°	2671.2	2546.8	1899.8	805.8	345.9	362.8	365.2	347.5	323.5	303.4	302.6
55°	2899.1	2789.9	2006.6	736.0	322.7	362.0	374.0	352.4	328.3	298.6	297.8
57.5°	3127.9	3021.9	2109.3	689.5	312.2	351.6	379.6	367.6	341.1	316.2	317.8
60°	3399.1	3273.9	2230.5	656.6	308.2	345.9	384.5	385.3	349.1	321.1	325.1
62.5°	3665.6	3538.8	2333.3	626.1	297.8	340.3	386.9	398.9	366.8	342.7	346.7
65°	3913.6	3762.7	2380.6	567.5	284.9	333.9	401.3	410.9	380.4	378.0	382.9
67.5°	4008.3	3867.9	2334.1	494.4	276.9	333.9	416.6	427.8	394.9	407.7	420.6
70°	3916.8	3799.7	2216.9	402.9	279.3	336.3	419.0	435.8	415.8	426.2	437.4
72.5°	3632.7	3483.4	1931.9	324.3	279.3	333.1	408.5	423.0	407.7	442.3	453.5
75°	3273.9	3013.9	1537.8	267.3	271.3	331.5	384.5	401.3	386.1	422.2	434.2
77.5°	2704.1	2371.0	1063.5	236.0	260.1	317.0	359.6	362.8	347.5	369.2	374.8
80°	1907.1	1598.0	673.4	213.5	248.8	286.5	318.6	313.0	297.8	301.8	306.6
82.5°	1063.5	845.2	392.5	196.6	233.6	238.4	260.9	262.5	242.4	243.2	244.0
85°	422.2	390.9	265.7	165.3	188.6	171.8	195.0	203.1	183.8	161.3	156.5
87.5°	280.1	265.7	185.4	113.2	115.6	97.1	126.8	131.6	108.4	93.9	93.1
90°	266.5	258.4	159.7	76.3	64.2	53.0	70.6	68.2	52.2	45.8	46.6
92.5°	274.5	269.7	162.1	73.0	62.6	50.6	62.6	53.8	39.3	34.5	35.3
95°	270.5	268.1	158.1	71.4	59.4	46.6	53.0	43.3	30.5	27.3	27.3
97.5°	128.4	135.6	97.9	64.2	53.0	39.3	40.9	32.9	21.7	20.1	19.3
100°	19.3	30.5	53.0	59.4	39.3	27.3	26.5	21.7	13.6	12.8	12.8
102.5°	20.1	21.7	32.9	40.9	21.7	14.4	14.4	12.8	10.4	12.0	12.0
105°	21.7	20.1	19.3	22.5	12.8	8.8	8.0	8.0	8.8	12.8	13.6
107.5°	23.3	21.7	15.3	12.0	9.6	8.0	6.4	5.6	8.0	13.6	14.4
110°	17.7	16.9	12.8	9.6	9.6	8.8	5.6	5.6	8.8	14.4	16.1



REPORT NUMBER: P414006

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.4	12.0	11.2	8.8	8.0	8.0	5.6	5.6	8.8	15.3	16.9
115°	11.2	11.2	9.6	7.2	6.4	6.4	5.6	4.8	8.8	16.1	16.9
117.5°	11.2	11.2	9.6	7.2	5.6	4.8	4.8	4.8	8.8	16.1	16.9
120°	11.2	11.2	9.6	6.4	5.6	4.8	4.8	4.8	8.8	15.3	16.9
122.5°	10.4	10.4	8.8	6.4	4.8	4.8	4.8	4.8	8.8	14.4	15.3
125°	9.6	9.6	8.0	5.6	4.8	4.0	4.8	4.8	8.0	12.8	13.6
127.5°	8.0	8.8	7.2	5.6	4.8	4.0	4.8	4.8	7.2	11.2	12.0
130°	7.2	7.2	6.4	4.8	4.0	4.0	4.8	4.8	7.2	10.4	11.2
132.5°	5.6	5.6	4.8	4.8	4.0	4.0	4.0	4.0	5.6	8.8	8.8
135°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.4	7.2
137.5°	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.6	5.6
140°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.0	4.8	4.8
142.5°	2.4	3.2	3.2	4.0	4.0	4.0	4.0	4.0	4.8	5.6	5.6
145°	3.2	3.2	4.0	4.0	4.0	3.2	4.0	4.0	4.8	5.6	5.6
147.5°	3.2	3.2	4.0	4.0	4.0	3.2	3.2	4.0	4.8	5.6	5.6
150°	3.2	3.2	4.0	4.0	3.2	2.4	3.2	3.2	4.0	5.6	5.6
152.5°	3.2	3.2	3.2	3.2	2.4	1.6	2.4	2.4	3.2	4.0	4.0
155°	2.4	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	3.2
157.5°	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8	1.6	1.6
160°	0.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
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)