

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: P413907

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T2U-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-750-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9433 lumens  
Efficiency: N/A  
Efficacy: 98.3 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: B3 - U3 - G3

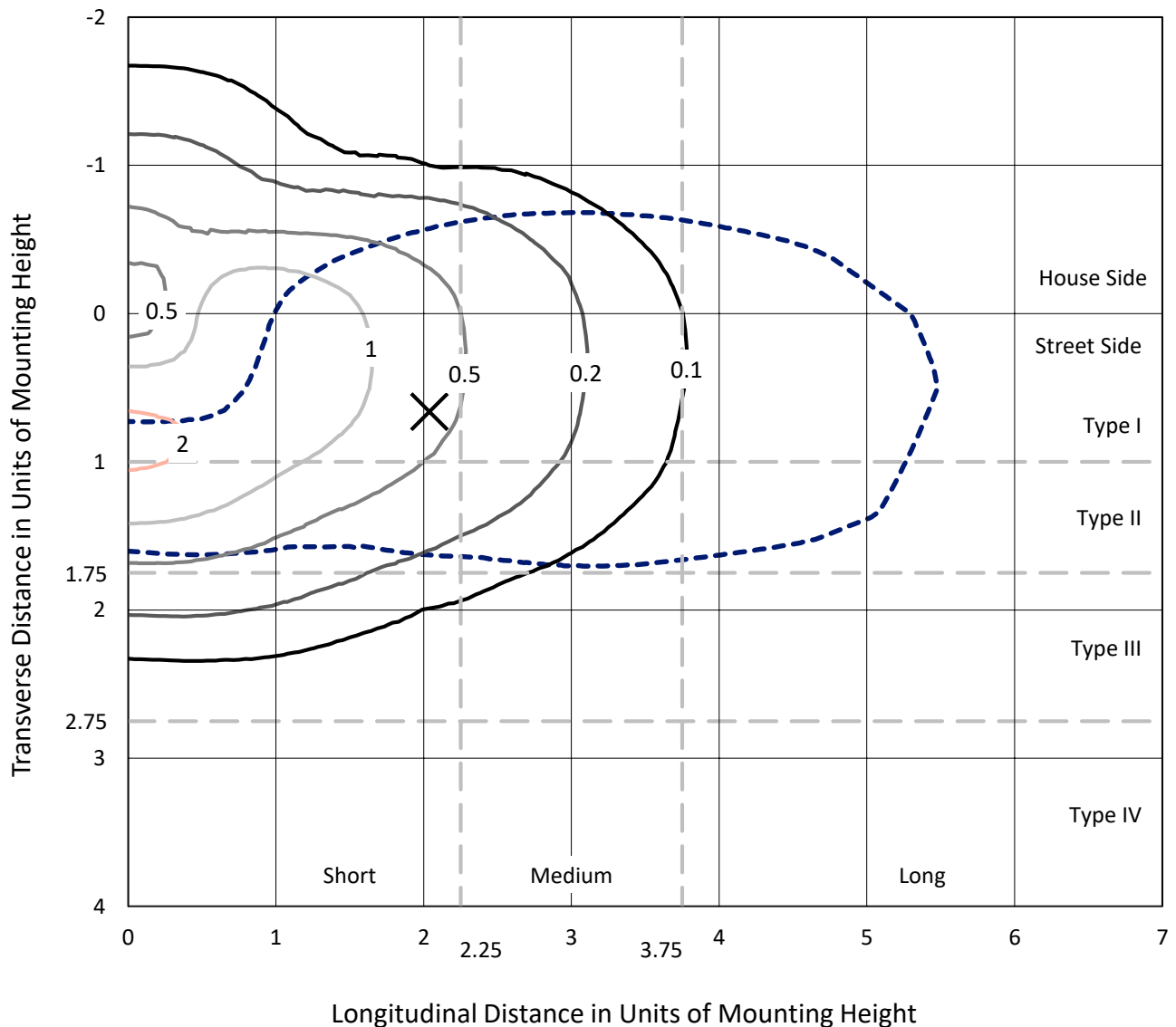
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

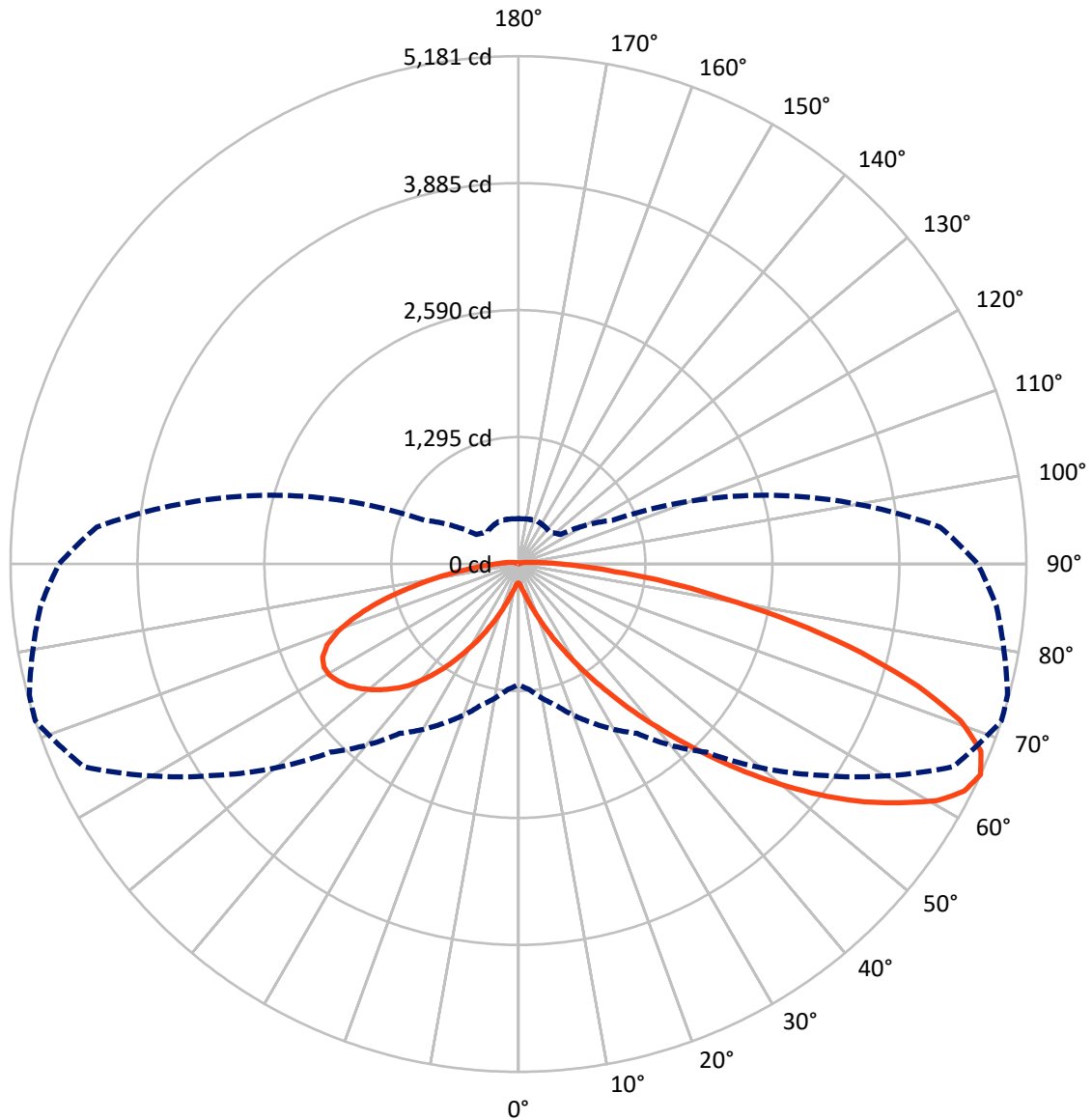
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2659.6	133.8	2793.4
	% Fixture	28.2	1.4	29.6
<b>Street Side</b>	Lumens	6509.1	130.5	6639.6
	% Fixture	69.0	1.4	70.4
<b>Total</b>	Lumens	9168.7	264.3	9433.0
	% Fixture	97.2	2.8	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.4	0.2
10°-20°	114.1	1.2
20°-30°	361.4	3.8
30°-40°	866.2	9.2
40°-50°	1599.2	17.0
50°-60°	2179.1	23.1
60°-70°	2124.7	22.5
70°-80°	1387.5	14.7
80°-90°	514.0	5.4
90°-100°	142.9	1.5
100°-110°	59.9	0.6
110°-120°	30.1	0.3
120°-130°	17.1	0.2
130°-140°	9.6	0.1
140°-150°	3.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9168.7	97.2
0°-180°	9433.0	100.0



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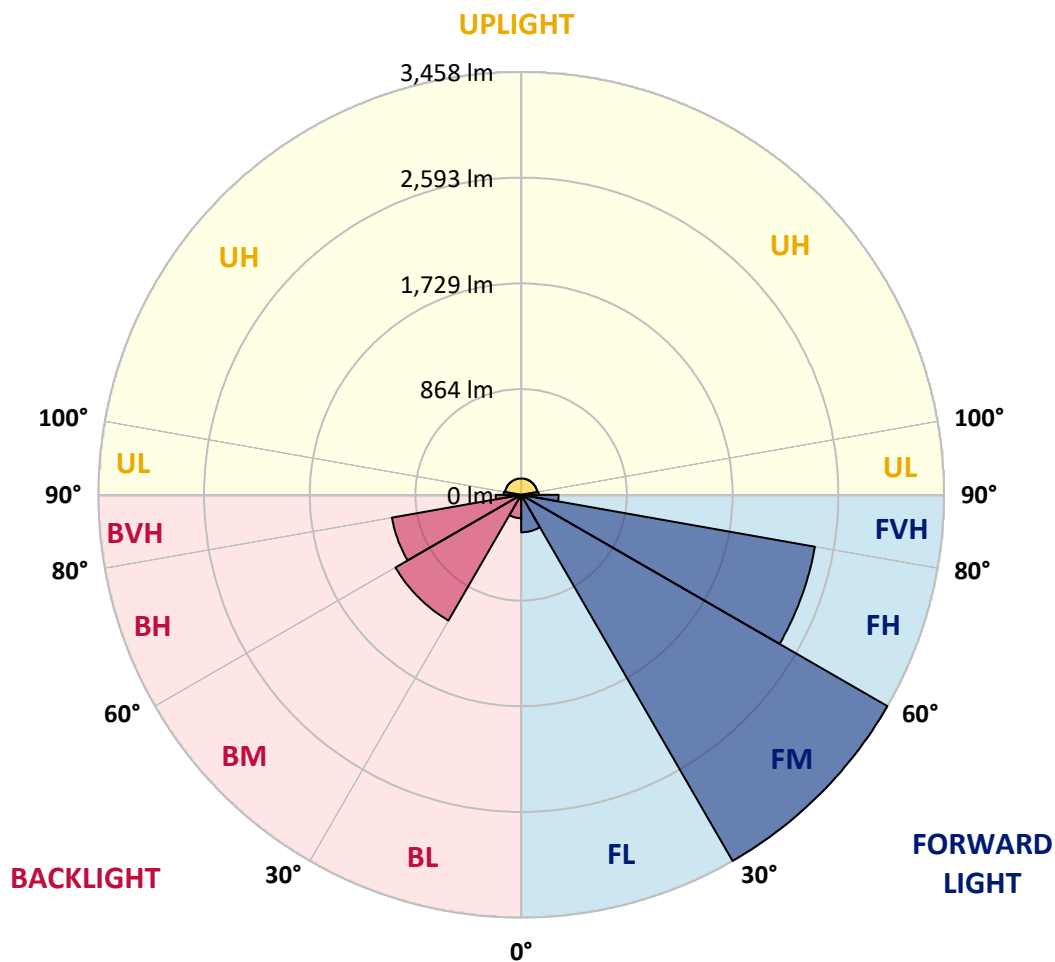
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.4	3.2			
FM (30°-60°)	3457.6	36.7			
FH (60°-80°)	2439.1	25.9			G2/5000
FVH (80°-90°)	306.0	3.2			G3/500
BL (0°-30°)	191.5	2.0	B1/500		
BM (30°-60°)	1187.0	12.6	B2/2500		
BH (60°-80°)	1073.1	11.4	B3/2500		G3/2500
BVH (80°-90°)	208.0	2.2			G2/225
UL (90°-100°)	142.9	1.5		U3/500	
UH (100°-180°)	133.8	1.4		U3/500	

**BUG Rating: B3-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
2.5°	217.3	216.2	214.0	212.9	212.9	210.7	208.5	205.3	203.1	202.0	199.8
5°	245.7	243.5	241.3	239.1	236.9	233.6	228.2	224.9	220.5	219.4	215.1
7.5°	286.0	283.9	277.3	275.1	271.9	267.5	260.9	254.4	250.0	246.7	240.2
10°	339.5	337.4	333.0	327.5	321.0	312.2	301.3	294.8	283.9	286.0	276.2
12.5°	412.7	407.2	401.8	393.0	379.9	370.1	354.8	348.3	336.3	336.3	324.3
15°	501.1	500.0	489.1	470.6	458.5	437.8	424.7	410.5	402.9	402.9	393.0
17.5°	615.8	608.1	599.4	574.3	547.0	521.9	504.4	494.6	485.8	483.7	470.6
20°	757.7	746.8	733.7	688.9	656.2	625.6	600.5	592.8	586.3	585.2	574.3
22.5°	937.8	914.9	890.9	847.2	794.8	741.3	723.9	706.4	707.5	709.7	684.5
25°	1137.6	1131.1	1088.5	1026.3	957.5	898.5	850.5	843.9	850.5	846.1	836.3
27.5°	1394.2	1372.4	1318.9	1239.2	1130.0	1061.2	1009.9	1005.5	1006.6	1012.1	995.7
30°	1693.4	1682.4	1614.7	1481.5	1340.7	1249.0	1193.3	1185.7	1198.8	1199.9	1174.8
32.5°	2046.0	2024.2	1920.4	1772.0	1579.8	1463.0	1399.7	1397.5	1411.7	1414.9	1395.3
35°	2403.0	2392.1	2289.5	2076.6	1865.9	1689.0	1624.6	1628.9	1638.8	1658.4	1635.5
37.5°	2814.6	2785.1	2653.0	2428.1	2161.7	1949.9	1881.1	1896.4	1911.7	1911.7	1880.0
40°	3203.3	3192.4	3053.7	2770.9	2452.1	2255.6	2180.3	2189.0	2187.9	2189.0	2147.5
42.5°	3563.6	3526.5	3404.2	3103.9	2775.3	2575.5	2484.9	2499.1	2512.2	2522.0	2417.2
45°	3807.0	3775.4	3667.3	3371.4	3081.0	2892.1	2833.2	2833.2	2848.5	2844.1	2740.4
47.5°	3893.3	3888.9	3808.1	3583.2	3316.8	3170.5	3173.8	3185.8	3208.7	3188.0	3039.5
50°	3852.9	3835.4	3821.2	3695.7	3512.3	3442.4	3507.9	3569.0	3571.2	3534.1	3345.2
52.5°	3599.6	3601.8	3673.8	3650.9	3566.9	3637.8	3837.6	3945.7	3935.9	3899.8	3672.8
55°	3214.2	3231.7	3357.2	3453.3	3504.6	3701.1	4082.2	4306.0	4284.2	4233.9	4003.6
57.5°	2701.1	2757.8	2926.0	3135.6	3319.0	3642.2	4215.4	4618.2	4595.3	4595.3	4333.3
60°	2155.2	2201.0	2448.9	2704.3	2993.7	3443.5	4228.5	4847.5	4903.2	4868.3	4566.9
62.5°	1671.5	1691.2	1947.7	2269.8	2579.9	3109.4	4077.8	4956.7	5104.1	5074.6	4776.5
65°	1230.4	1286.1	1493.6	1788.3	2109.3	2715.3	3755.7	4892.3	5180.5	5165.2	4892.3
67.5°	914.9	940.0	1113.6	1386.6	1704.3	2225.1	3286.3	4610.6	5088.8	5101.9	4874.8
70°	685.6	692.2	827.6	1052.5	1323.2	1755.6	2739.3	4160.8	4784.2	4843.1	4718.7
72.5°	518.6	530.6	643.1	819.9	1020.8	1351.6	2165.0	3549.4	4264.5	4410.8	4363.9
75°	406.1	420.3	497.9	634.3	789.4	1023.0	1638.8	2826.6	3612.7	3801.6	3854.0
77.5°	321.0	336.3	401.8	506.6	615.8	789.4	1204.2	2114.8	2885.6	3074.5	3227.3
80°	252.2	263.1	321.0	398.5	484.8	583.0	843.9	1537.2	2119.1	2355.0	2494.7
82.5°	192.2	204.2	248.9	314.4	379.9	445.4	602.7	1045.9	1537.2	1644.2	1882.2
85°	139.7	150.7	187.8	241.3	292.6	345.0	441.1	697.6	979.3	1107.1	1227.2
87.5°	102.6	107.0	139.7	179.1	224.9	260.9	317.7	445.4	622.3	685.6	786.1
90°	72.1	76.4	102.6	132.1	170.3	204.2	233.6	294.8	387.6	444.4	462.9
92.5°	53.5	56.8	76.4	99.4	131.0	158.3	176.9	208.5	252.2	276.2	291.5
95°	40.4	43.7	60.0	78.6	101.5	124.5	138.7	150.7	175.8	182.3	195.4
97.5°	32.8	34.9	49.1	64.4	81.9	102.6	110.3	116.8	125.6	132.1	137.6
100°	28.4	29.5	41.5	54.6	69.9	83.0	89.5	92.8	98.3	100.4	102.6
102.5°	25.1	25.1	36.0	46.9	60.0	69.9	75.3	75.3	76.4	77.5	76.4
105°	21.8	22.9	31.7	41.5	51.3	60.0	64.4	62.2	61.1	60.0	56.8
107.5°	20.7	20.7	28.4	37.1	45.9	52.4	55.7	51.3	49.1	46.9	43.7
110°	18.6	19.7	25.1	32.8	40.4	45.9	48.0	43.7	39.3	37.1	33.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	17.5	18.6	22.9	29.5	36.0	41.5	41.5	37.1	31.7	29.5	27.3
115°	17.5	17.5	20.7	26.2	32.8	37.1	37.1	31.7	26.2	24.0	22.9
117.5°	17.5	17.5	19.7	24.0	29.5	32.8	32.8	27.3	21.8	19.7	19.7
120°	16.4	16.4	18.6	21.8	27.3	29.5	28.4	24.0	18.6	17.5	17.5
122.5°	16.4	16.4	17.5	20.7	25.1	27.3	26.2	20.7	16.4	14.2	15.3
125°	17.5	16.4	17.5	19.7	22.9	24.0	22.9	17.5	14.2	13.1	14.2
127.5°	17.5	17.5	16.4	18.6	20.7	21.8	20.7	15.3	12.0	12.0	13.1
130°	17.5	17.5	16.4	17.5	18.6	19.7	17.5	13.1	10.9	10.9	12.0
132.5°	17.5	17.5	16.4	16.4	17.5	17.5	15.3	10.9	9.8	9.8	10.9
135°	17.5	17.5	15.3	15.3	15.3	15.3	13.1	9.8	8.7	8.7	9.8
137.5°	16.4	16.4	15.3	14.2	14.2	13.1	10.9	7.6	6.6	7.6	8.7
140°	15.3	15.3	14.2	12.0	12.0	10.9	8.7	6.6	5.5	6.6	6.6
142.5°	14.2	14.2	13.1	10.9	9.8	8.7	7.6	4.4	4.4	4.4	5.5
145°	13.1	13.1	12.0	8.7	7.6	6.6	5.5	3.3	3.3	3.3	4.4
147.5°	10.9	10.9	9.8	7.6	5.5	5.5	3.3	2.2	3.3	3.3	3.3
150°	8.7	8.7	7.6	5.5	4.4	3.3	1.1	2.2	2.2	2.2	3.3
152.5°	7.6	7.6	5.5	4.4	2.2	1.1	1.1	1.1	2.2	2.2	2.2
155°	5.5	5.5	4.4	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
157.5°	3.3	3.3	2.2	1.1	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5	196.5
2.5°	197.6	197.6	196.5	195.4	194.3	193.2	191.1	190.0	190.0	188.9	188.9
5°	212.9	211.8	208.5	205.3	200.9	198.7	195.4	193.2	192.2	191.1	191.1
7.5°	236.9	234.7	228.2	222.7	217.3	212.9	207.4	204.2	203.1	199.8	200.9
10°	270.8	267.5	259.8	250.0	240.2	233.6	226.0	221.6	219.4	217.3	215.1
12.5°	319.9	313.3	300.2	287.1	272.9	259.8	252.2	248.9	251.1	250.0	251.1
15°	387.6	375.6	355.9	336.3	311.2	294.8	292.6	291.5	291.5	292.6	294.8
17.5°	464.0	450.9	425.8	389.8	360.3	343.9	334.1	333.0	338.5	339.5	338.5
20°	564.5	551.3	512.0	462.9	420.3	394.1	381.0	381.0	388.7	390.9	395.2
22.5°	672.5	664.9	611.4	543.7	486.9	444.4	425.8	428.0	438.9	442.2	444.4
25°	823.2	792.6	727.1	634.3	552.4	495.7	470.6	471.6	483.7	492.4	495.7
27.5°	989.2	954.2	858.1	737.0	617.9	538.2	509.9	511.0	525.1	536.1	538.2
30°	1167.1	1132.2	1006.6	838.5	679.1	576.5	538.2	539.3	555.7	567.7	569.9
32.5°	1357.1	1328.7	1152.9	947.7	732.6	602.7	556.8	557.9	572.1	583.0	585.2
35°	1597.3	1532.9	1326.5	1044.8	777.3	619.0	565.5	564.5	578.6	589.6	591.7
37.5°	1834.2	1765.4	1491.4	1135.5	803.6	623.4	563.4	563.4	574.3	583.0	584.1
40°	2091.9	1977.2	1665.0	1206.4	813.4	616.9	556.8	555.7	564.5	568.8	569.9
42.5°	2369.2	2228.3	1835.3	1263.2	809.0	602.7	544.8	545.9	549.2	549.2	548.1
45°	2619.2	2476.2	1981.6	1300.3	793.7	584.1	530.6	531.7	532.8	524.1	524.1
47.5°	2912.9	2739.3	2119.1	1309.0	763.2	565.5	519.7	521.9	516.4	504.4	502.2
50°	3191.3	2998.0	2257.8	1305.8	731.5	545.9	508.8	511.0	501.1	484.8	481.5
52.5°	3501.3	3253.5	2388.8	1289.4	693.3	528.4	501.1	503.3	492.4	472.7	469.5
55°	3807.0	3524.3	2508.9	1261.0	660.5	509.9	493.5	498.9	484.8	465.1	464.0
57.5°	4098.5	3792.9	2608.3	1219.5	625.6	496.8	488.0	494.6	481.5	461.8	460.7
60°	4358.4	4021.0	2688.0	1179.1	587.4	483.7	482.6	491.3	479.3	462.9	461.8
62.5°	4540.7	4226.3	2724.0	1124.5	556.8	469.5	476.0	484.8	476.0	462.9	462.9
65°	4685.9	4318.0	2709.8	1052.5	524.1	454.2	467.3	476.0	470.6	461.8	462.9
67.5°	4658.6	4315.8	2617.0	966.2	493.5	437.8	452.0	464.0	459.6	456.4	455.3
70°	4490.5	4111.7	2439.0	872.3	461.8	417.1	433.4	445.4	444.4	443.3	443.3
72.5°	4144.4	3757.9	2172.6	764.2	429.1	395.2	409.4	420.3	422.5	421.4	418.2
75°	3692.4	3271.0	1863.7	662.7	395.2	369.0	384.3	390.9	394.1	391.9	391.9
77.5°	3029.7	2727.3	1481.5	560.1	359.2	339.5	350.5	355.9	360.3	354.8	351.6
80°	2407.4	2074.4	1139.8	457.5	319.9	306.8	312.2	314.4	318.8	313.3	306.8
82.5°	1690.1	1478.3	826.5	373.4	280.6	269.7	272.9	271.9	274.0	266.4	257.7
85°	1128.9	993.5	568.8	300.2	240.2	230.4	230.4	227.1	224.9	217.3	210.7
87.5°	708.6	628.9	390.9	236.9	202.0	194.3	190.0	183.4	181.2	175.8	168.1
90°	436.7	401.8	272.9	190.0	168.1	161.6	157.2	147.4	146.3	137.6	132.1
92.5°	286.0	262.0	202.0	153.9	140.8	134.3	128.8	120.1	119.0	112.5	109.2
95°	188.9	183.4	153.9	128.8	119.0	113.5	108.1	100.4	98.3	91.7	87.3
97.5°	138.7	138.7	126.6	109.2	101.5	96.1	92.8	86.3	81.9	75.3	73.1
100°	104.8	105.9	101.5	93.9	87.3	81.9	78.6	73.1	69.9	63.3	62.2
102.5°	80.8	83.0	84.1	79.7	75.3	71.0	67.7	63.3	59.0	52.4	51.3
105°	62.2	64.4	68.8	67.7	65.5	62.2	59.0	54.6	49.1	43.7	43.7
107.5°	48.0	50.2	56.8	57.9	56.8	53.5	51.3	46.9	42.6	37.1	37.1
110°	37.1	40.4	46.9	49.1	49.1	46.9	44.8	40.4	34.9	31.7	31.7



REPORT NUMBER: P413907

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.6	33.8	39.3	42.6	42.6	41.5	38.2	33.8	29.5	27.3	27.3
115°	25.1	28.4	33.8	37.1	37.1	36.0	33.8	29.5	25.1	24.0	24.0
117.5°	21.8	24.0	28.4	31.7	32.8	31.7	29.5	25.1	21.8	21.8	21.8
120°	19.7	21.8	25.1	27.3	28.4	27.3	25.1	21.8	18.6	19.7	19.7
122.5°	17.5	18.6	21.8	25.1	25.1	25.1	22.9	18.6	16.4	17.5	17.5
125°	15.3	17.5	19.7	21.8	22.9	21.8	19.7	16.4	14.2	15.3	16.4
127.5°	14.2	15.3	17.5	19.7	19.7	19.7	17.5	14.2	13.1	14.2	14.2
130°	13.1	14.2	15.3	17.5	17.5	17.5	15.3	12.0	12.0	13.1	13.1
132.5°	12.0	13.1	14.2	15.3	15.3	15.3	13.1	10.9	9.8	12.0	12.0
135°	10.9	10.9	12.0	13.1	13.1	13.1	10.9	8.7	8.7	10.9	10.9
137.5°	8.7	9.8	10.9	10.9	10.9	10.9	8.7	7.6	7.6	8.7	8.7
140°	7.6	7.6	8.7	8.7	8.7	8.7	7.6	5.5	6.6	7.6	7.6
142.5°	6.6	6.6	7.6	7.6	7.6	6.6	5.5	4.4	5.5	6.6	6.6
145°	4.4	5.5	5.5	5.5	5.5	4.4	3.3	3.3	4.4	5.5	5.5
147.5°	4.4	4.4	4.4	4.4	4.4	3.3	2.2	2.2	3.3	4.4	4.4
150°	3.3	3.3	4.4	4.4	3.3	2.2	1.1	1.1	2.2	3.3	3.3
152.5°	2.2	2.2	3.3	3.3	2.2	1.1	0.0	0.0	1.1	1.1	1.1
155°	2.2	2.2	2.2	2.2	2.2	1.1	0.0	0.0	0.0	0.0	0.0
157.5°	1.1	1.1	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0	0.0
160°	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)