

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: P413916

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413916  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-22)  
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-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9503 lumens  
Efficiency: N/A  
Efficacy: 99.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G4

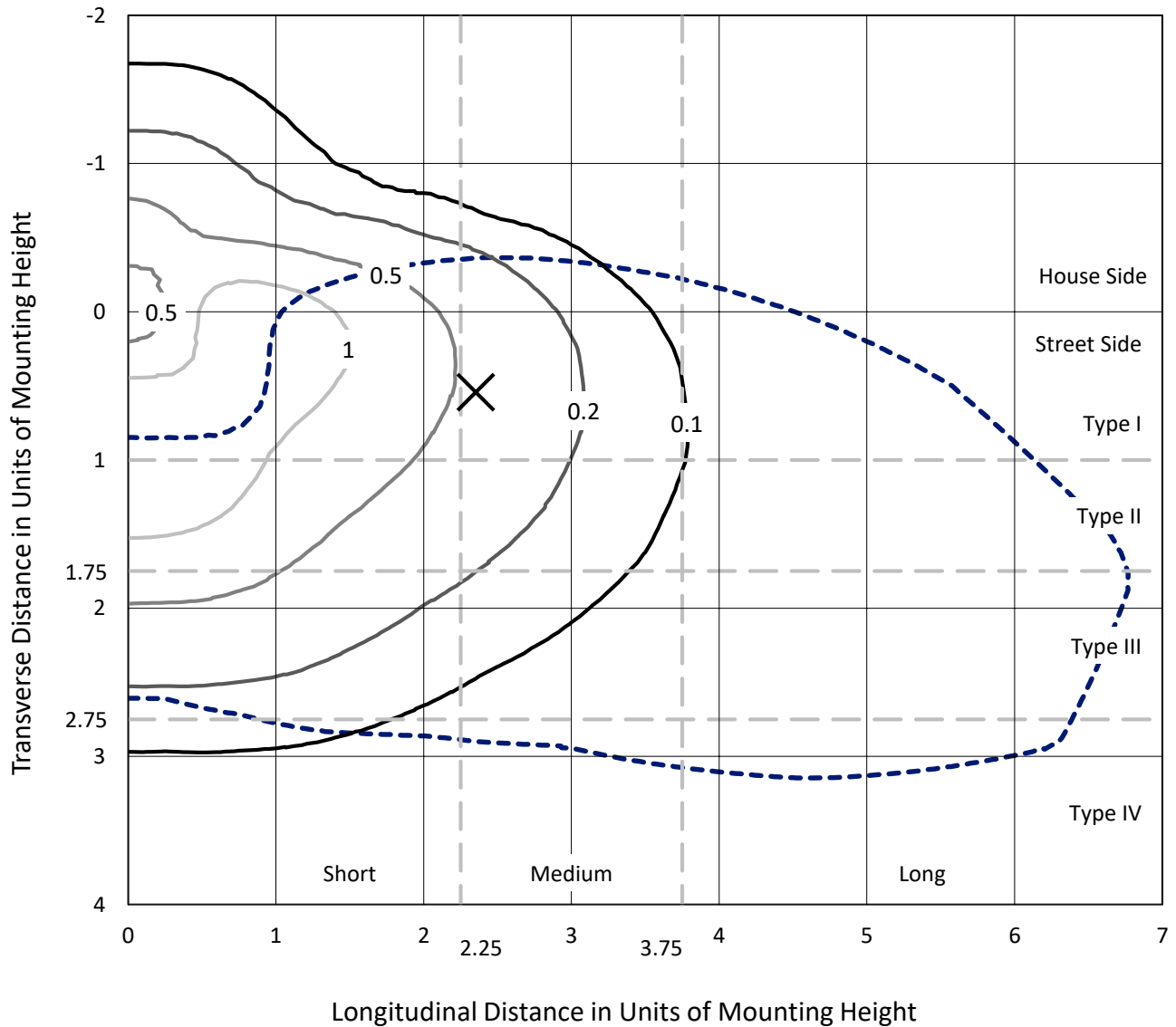
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

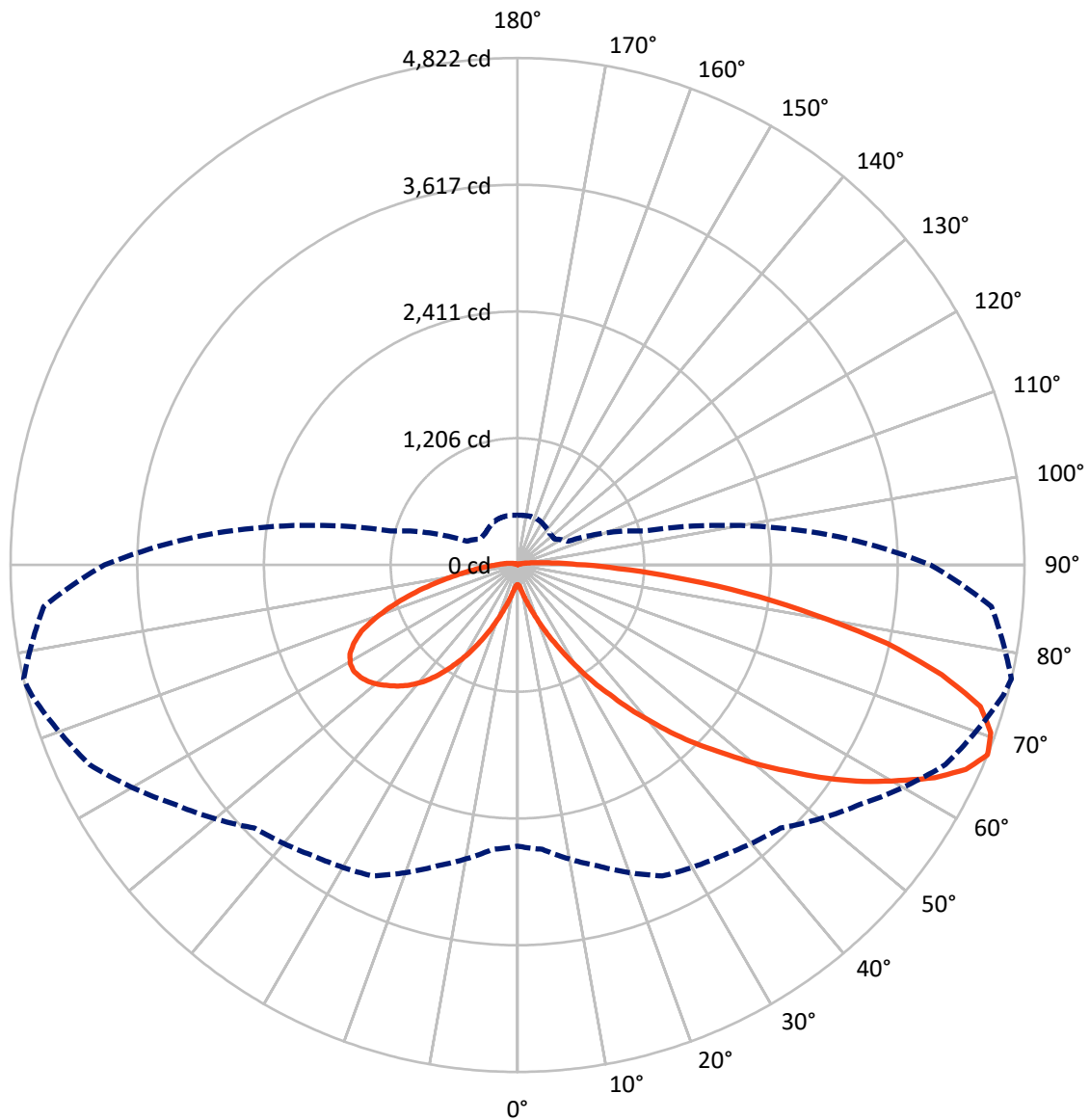


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2168.0	142.8	2310.8
	% Fixture	22.8	1.5	24.3
<b>Street Side</b>	Lumens	7033.2	159.0	7192.2
	% Fixture	74.0	1.7	75.7
<b>Total</b>	Lumens	9201.2	301.8	9503.0
	% Fixture	96.8	3.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	0.2
10°-20°	110.2	1.2
20°-30°	329.3	3.5
30°-40°	729.3	7.7
40°-50°	1306.1	13.7
50°-60°	1956.1	20.6
60°-70°	2305.7	24.3
70°-80°	1760.4	18.5
80°-90°	682.4	7.2
90°-100°	173.9	1.8
100°-110°	65.8	0.7
110°-120°	30.9	0.3
120°-130°	16.5	0.2
130°-140°	9.2	0.1
140°-150°	4.1	0.0
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9201.2	96.8
0°-180°	9503.0	100.0



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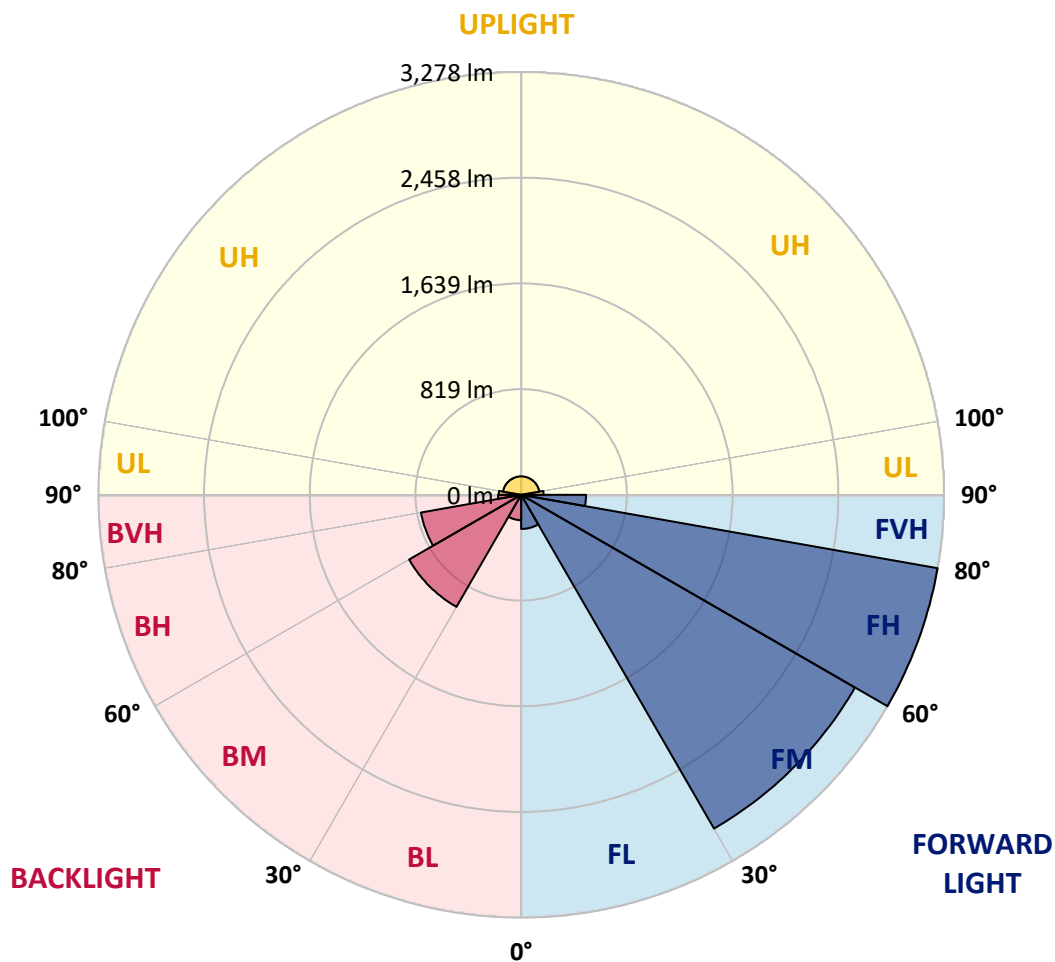
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.9	2.8			
FM	(30°-60°)	2988.0	31.4			
FH	(60°-80°)	3277.7	34.5			G2/5000
FVH	(80°-90°)	502.6	5.3			G4/750
BL	(0°-30°)	196.3	2.1	B1/500		
BM	(30°-60°)	1003.6	10.6	B2/2500		
BH	(60°-80°)	788.4	8.3	B2/1000		G2/1000
BVH	(80°-90°)	179.8	1.9			G2/225
UL	(90°-100°)	173.9	1.8		U3/500	
UH	(100°-180°)	142.8	1.5		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7
2.5°	197.6	196.5	197.6	197.6	198.7	196.5	194.3	193.2	192.1	192.1	191.1
5°	218.4	216.2	217.3	218.4	217.3	215.1	211.8	210.7	208.5	208.5	206.3
7.5°	247.8	247.8	246.7	244.6	246.7	243.5	241.3	240.2	236.9	235.8	234.7
10°	292.6	290.4	289.3	287.1	284.9	283.9	279.5	279.5	274.0	276.2	272.9
12.5°	350.5	346.1	347.2	342.8	336.3	331.9	329.7	328.6	328.6	328.6	327.5
15°	420.3	417.1	416.0	406.1	399.6	394.1	389.8	390.8	396.3	397.4	393.0
17.5°	500.0	505.5	495.7	486.9	477.1	466.2	466.2	466.2	470.5	473.8	471.6
20°	611.4	600.5	589.5	575.4	559.0	550.2	545.9	559.0	566.6	572.1	569.9
22.5°	733.7	722.7	710.7	687.8	664.9	648.5	648.5	664.9	682.3	688.9	691.1
25°	872.3	878.9	849.4	814.5	773.0	758.8	761.0	785.0	811.2	816.6	829.7
27.5°	1043.7	1043.7	1018.6	962.9	908.3	880.0	882.1	921.4	960.7	968.4	978.2
30°	1252.2	1244.6	1210.8	1136.5	1064.5	1011.0	1020.8	1068.8	1131.1	1137.6	1149.6
32.5°	1484.8	1483.7	1418.2	1326.5	1222.8	1159.4	1163.8	1233.7	1311.2	1329.8	1342.9
35°	1742.4	1749.0	1663.8	1530.6	1410.6	1325.4	1339.6	1419.3	1509.9	1514.3	1530.6
37.5°	2037.2	2033.9	1932.4	1787.2	1608.2	1517.5	1506.6	1614.7	1709.7	1738.1	1729.3
40°	2363.7	2328.7	2230.5	2050.3	1829.8	1708.6	1710.8	1822.1	1951.0	1959.7	1957.5
42.5°	2685.7	2670.4	2551.4	2308.0	2072.2	1929.1	1934.6	2041.6	2174.8	2208.6	2184.6
45°	3032.9	2994.7	2865.9	2614.8	2327.6	2172.6	2158.4	2278.5	2424.8	2451.0	2428.1
47.5°	3313.5	3289.5	3175.9	2908.4	2601.7	2403.0	2381.1	2528.5	2695.6	2697.7	2663.9
50°	3546.0	3534.0	3444.5	3207.6	2867.0	2660.6	2637.7	2784.0	2958.7	2987.1	2937.9
52.5°	3746.9	3727.3	3682.5	3448.9	3108.2	2881.2	2877.9	3038.4	3256.7	3269.8	3222.9
55°	3811.3	3823.3	3816.8	3651.9	3345.1	3099.5	3126.8	3343.0	3538.4	3584.2	3495.8
57.5°	3801.5	3801.5	3863.7	3788.4	3503.5	3297.1	3356.1	3617.0	3871.4	3885.6	3779.7
60°	3653.0	3656.3	3805.9	3826.6	3617.0	3466.3	3605.0	3895.4	4156.3	4165.1	4065.7
62.5°	3439.0	3431.4	3650.8	3755.6	3631.2	3566.8	3782.9	4138.9	4424.9	4454.4	4304.8
65°	3105.0	3119.2	3356.1	3564.6	3556.9	3605.0	3921.6	4358.3	4643.2	4685.8	4469.7
67.5°	2673.7	2715.2	2964.1	3263.3	3379.0	3538.4	3972.9	4492.6	4785.2	4822.3	4525.3
70°	2215.2	2205.4	2475.0	2850.6	3076.6	3368.1	3916.1	4498.0	4788.5	4776.4	4406.3
72.5°	1680.2	1721.7	1964.1	2346.2	2681.4	3044.9	3731.6	4358.3	4605.0	4602.9	4091.9
75°	1194.4	1219.5	1433.5	1815.6	2215.2	2667.2	3363.7	4053.7	4234.9	4169.4	3636.6
77.5°	788.2	811.2	995.7	1344.0	1714.1	2192.3	2869.1	3522.0	3666.1	3598.4	3055.8
80°	490.2	501.1	640.9	917.1	1245.7	1698.8	2323.3	2880.1	2936.8	2868.0	2352.7
82.5°	291.5	300.2	400.7	588.5	887.6	1237.0	1751.2	2207.5	2226.1	2179.1	1696.6
85°	179.0	191.1	255.5	393.0	591.7	872.3	1220.6	1533.9	1547.0	1492.4	1121.2
87.5°	116.8	123.4	173.6	255.5	398.5	584.1	817.7	1020.8	991.3	957.5	708.6
90°	79.7	84.1	119.0	175.8	269.7	386.5	517.5	638.7	591.7	565.5	430.2
92.5°	55.7	60.0	87.3	126.6	186.7	258.7	336.3	382.1	362.5	350.5	270.8
95°	43.7	45.9	66.6	98.3	138.7	183.4	222.7	236.9	224.9	216.2	182.3
97.5°	34.9	37.1	55.7	79.7	108.1	136.5	155.0	159.4	147.4	143.0	126.6
100°	29.5	31.7	46.9	66.6	88.4	108.1	115.7	114.6	104.8	102.6	91.7
102.5°	26.2	27.3	41.5	57.9	75.3	87.3	91.7	86.2	76.4	75.3	68.8
105°	22.9	25.1	36.0	50.2	64.4	74.2	74.2	67.7	56.8	55.7	52.4
107.5°	21.8	21.8	31.7	43.7	55.7	62.2	62.2	54.6	44.8	42.6	40.4
110°	19.7	20.7	28.4	38.2	48.0	53.5	52.4	43.7	33.8	32.8	31.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	18.6	18.6	25.1	33.8	41.5	45.9	43.7	36.0	27.3	26.2	25.1
115°	17.5	17.5	22.9	30.6	37.1	40.4	37.1	29.5	21.8	20.7	21.8
117.5°	16.4	17.5	20.7	27.3	32.8	34.9	31.7	25.1	18.6	17.5	18.6
120°	16.4	16.4	19.7	24.0	28.4	30.6	27.3	20.7	15.3	15.3	16.4
122.5°	16.4	16.4	18.6	21.8	25.1	26.2	22.9	17.5	14.2	14.2	15.3
125°	15.3	15.3	17.5	19.7	22.9	22.9	20.7	15.3	12.0	12.0	14.2
127.5°	15.3	15.3	16.4	18.6	20.7	20.7	17.5	13.1	10.9	12.0	13.1
130°	14.2	14.2	15.3	16.4	18.6	17.5	15.3	12.0	9.8	10.9	12.0
132.5°	14.2	14.2	14.2	15.3	16.4	15.3	13.1	9.8	9.8	9.8	10.9
135°	13.1	13.1	14.2	14.2	14.2	13.1	10.9	8.7	8.7	8.7	9.8
137.5°	13.1	13.1	13.1	13.1	13.1	12.0	9.8	7.6	7.6	7.6	8.7
140°	12.0	12.0	12.0	10.9	10.9	9.8	7.6	6.6	6.6	6.6	7.6
142.5°	10.9	10.9	10.9	9.8	9.8	7.6	6.6	5.5	5.5	6.6	6.6
145°	9.8	9.8	9.8	8.7	7.6	6.6	4.4	4.4	5.5	5.5	6.6
147.5°	7.6	7.6	7.6	7.6	5.5	5.5	3.3	4.4	4.4	5.5	5.5
150°	6.6	6.6	6.6	6.6	4.4	3.3	2.2	3.3	4.4	4.4	4.4
152.5°	5.5	5.5	5.5	5.5	3.3	2.2	2.2	3.3	3.3	3.3	4.4
155°	3.3	3.3	4.4	3.3	2.2	1.1	2.2	2.2	3.3	3.3	3.3
157.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	2.2	2.2	2.2	3.3
160°	1.1	1.1	2.2	2.2	2.2	1.1	1.1	1.1	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°	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7	186.7
2.5°	190.0	191.1	190.0	188.9	188.9	187.8	187.8	187.8	187.8	186.7	186.7
5°	207.4	206.3	205.3	203.1	200.9	198.7	198.7	197.6	196.5	195.4	195.4
7.5°	231.5	231.5	229.3	226.0	222.7	220.5	218.4	217.3	214.0	214.0	212.9
10°	268.6	268.6	262.0	258.7	253.3	247.8	245.6	242.4	240.2	239.1	238.0
12.5°	322.1	318.8	312.2	301.3	290.4	281.7	276.2	274.0	275.1	275.1	276.2
15°	390.8	384.3	374.5	353.7	334.1	321.0	317.7	317.7	318.8	318.8	319.9
17.5°	472.7	462.9	441.1	414.9	386.5	369.0	361.4	361.4	363.6	366.8	370.1
20°	572.1	563.3	529.5	483.6	441.1	418.1	405.0	404.0	408.3	418.1	416.0
22.5°	684.5	674.7	624.5	557.9	498.9	461.8	447.6	452.0	462.9	469.5	469.5
25°	819.9	803.5	728.2	631.0	555.7	503.3	484.7	491.3	507.7	515.3	518.6
27.5°	965.1	943.3	842.8	710.7	600.5	537.1	517.5	526.2	545.9	557.9	561.2
30°	1137.6	1099.4	962.9	785.0	640.9	561.2	540.4	556.8	578.6	592.8	596.1
32.5°	1318.8	1259.9	1066.6	848.3	670.3	577.5	556.8	576.4	600.5	616.8	617.9
35°	1500.1	1432.4	1181.3	899.6	685.6	585.2	563.3	586.3	612.5	625.6	628.9
37.5°	1696.6	1602.7	1280.6	932.4	692.2	584.1	563.3	586.3	611.4	622.3	624.5
40°	1885.5	1769.7	1369.1	952.0	690.0	575.4	555.7	579.7	601.6	609.2	608.1
42.5°	2097.3	1931.3	1440.0	953.1	674.7	562.3	545.9	566.6	581.9	580.8	581.9
45°	2299.2	2102.7	1492.4	945.5	654.0	545.9	532.8	551.3	556.8	551.3	550.2
47.5°	2520.9	2273.0	1533.9	925.8	628.9	530.6	518.6	532.8	533.9	521.9	519.7
50°	2755.6	2443.4	1572.1	889.8	599.4	513.1	505.5	517.5	515.3	495.7	492.4
52.5°	2984.9	2615.9	1596.2	846.1	569.9	497.8	494.6	506.6	500.0	477.1	472.7
55°	3229.4	2775.2	1600.5	802.4	541.5	484.7	484.7	497.8	490.2	466.2	462.9
57.5°	3468.5	2942.3	1584.1	745.7	514.2	470.5	477.1	492.4	486.9	462.9	460.7
60°	3692.3	3067.8	1539.4	692.2	489.1	460.7	471.6	489.1	484.7	465.1	462.9
62.5°	3865.9	3150.8	1468.4	639.8	467.3	450.9	466.2	483.6	484.7	468.4	469.5
65°	3946.7	3150.8	1365.8	587.4	447.6	441.1	460.7	480.4	482.6	472.7	472.7
67.5°	3929.2	3070.0	1250.1	532.8	429.1	429.1	453.1	473.8	478.2	473.8	473.8
70°	3744.7	2851.7	1091.8	489.1	410.5	414.9	441.1	462.9	469.5	470.5	469.5
72.5°	3444.5	2523.1	928.0	443.3	390.8	400.7	425.8	447.6	456.4	458.5	457.4
75°	2980.5	2142.0	767.5	405.0	370.1	382.1	408.3	426.9	436.7	441.1	438.9
77.5°	2395.3	1699.9	628.9	366.8	346.1	359.2	384.3	399.6	411.6	417.1	412.7
80°	1825.4	1265.3	500.0	328.6	316.6	330.8	352.6	369.0	379.9	382.1	378.8
82.5°	1295.9	897.4	400.7	292.6	284.9	297.0	316.6	327.5	340.6	339.5	333.0
85°	849.4	609.2	314.4	254.4	251.1	258.7	274.0	280.6	293.7	293.7	286.0
87.5°	552.4	404.0	247.8	214.0	217.3	223.8	231.5	236.9	242.4	243.5	236.9
90°	352.6	276.2	197.6	182.3	185.6	191.1	191.1	190.0	198.7	200.9	195.4
92.5°	231.5	196.5	163.8	155.0	157.2	158.3	158.3	153.9	161.6	162.7	158.3
95°	162.7	147.4	135.4	133.2	133.2	133.2	131.0	125.6	132.1	132.1	129.9
97.5°	122.3	114.6	113.5	113.5	113.5	112.5	109.2	107.0	109.2	109.2	108.1
100°	91.7	90.6	93.9	96.1	97.2	96.1	93.9	90.6	90.6	86.2	87.3
102.5°	69.9	72.1	78.6	81.9	81.9	81.9	80.8	76.4	74.2	69.9	68.8
105°	54.6	56.8	64.4	68.8	69.9	71.0	68.8	64.4	60.0	55.7	54.6
107.5°	42.6	45.9	52.4	57.9	60.0	60.0	59.0	54.6	49.1	43.7	43.7
110°	34.9	37.1	43.7	49.1	51.3	51.3	50.2	44.8	39.3	34.9	34.9



REPORT NUMBER: P413916

CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.4	30.6	37.1	41.5	43.7	44.8	42.6	38.2	32.8	28.4	28.4
115°	24.0	26.2	31.7	34.9	37.1	37.1	36.0	31.7	27.3	24.0	24.0
117.5°	20.7	22.9	27.3	30.6	31.7	32.8	30.6	27.3	22.9	20.7	20.7
120°	18.6	19.7	24.0	26.2	27.3	27.3	26.2	22.9	19.7	18.6	18.6
122.5°	16.4	18.6	20.7	22.9	24.0	24.0	22.9	19.7	17.5	16.4	17.5
125°	15.3	16.4	18.6	20.7	20.7	20.7	19.7	17.5	15.3	15.3	15.3
127.5°	14.2	15.3	16.4	17.5	18.6	18.6	17.5	15.3	14.2	14.2	14.2
130°	13.1	14.2	15.3	15.3	16.4	16.4	15.3	13.1	13.1	13.1	13.1
132.5°	12.0	13.1	13.1	14.2	14.2	14.2	13.1	12.0	12.0	12.0	12.0
135°	10.9	10.9	12.0	12.0	12.0	12.0	10.9	10.9	10.9	10.9	10.9
137.5°	9.8	9.8	10.9	9.8	10.9	9.8	9.8	8.7	9.8	9.8	9.8
140°	8.7	8.7	8.7	8.7	8.7	8.7	7.6	7.6	8.7	8.7	8.7
142.5°	7.6	7.6	7.6	6.6	6.6	6.6	6.6	6.6	7.6	7.6	7.6
145°	6.6	6.6	6.6	5.5	5.5	4.4	5.5	5.5	6.6	6.6	6.6
147.5°	5.5	5.5	5.5	5.5	4.4	3.3	3.3	4.4	5.5	5.5	5.5
150°	4.4	5.5	5.5	4.4	3.3	2.2	2.2	3.3	4.4	4.4	4.4
152.5°	4.4	4.4	4.4	3.3	2.2	1.1	1.1	2.2	3.3	3.3	3.3
155°	3.3	3.3	3.3	3.3	2.2	1.1	0.0	2.2	2.2	2.2	2.2
157.5°	3.3	3.3	3.3	2.2	1.1	0.0	0.0	1.1	2.2	1.1	1.1
160°	2.2	2.2	2.2	2.2	1.1	1.1	0.0	1.1	1.1	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)