

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: P413911

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9849.1 lumens
Efficiency: N/A
Efficacy: 102.6 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 - G3

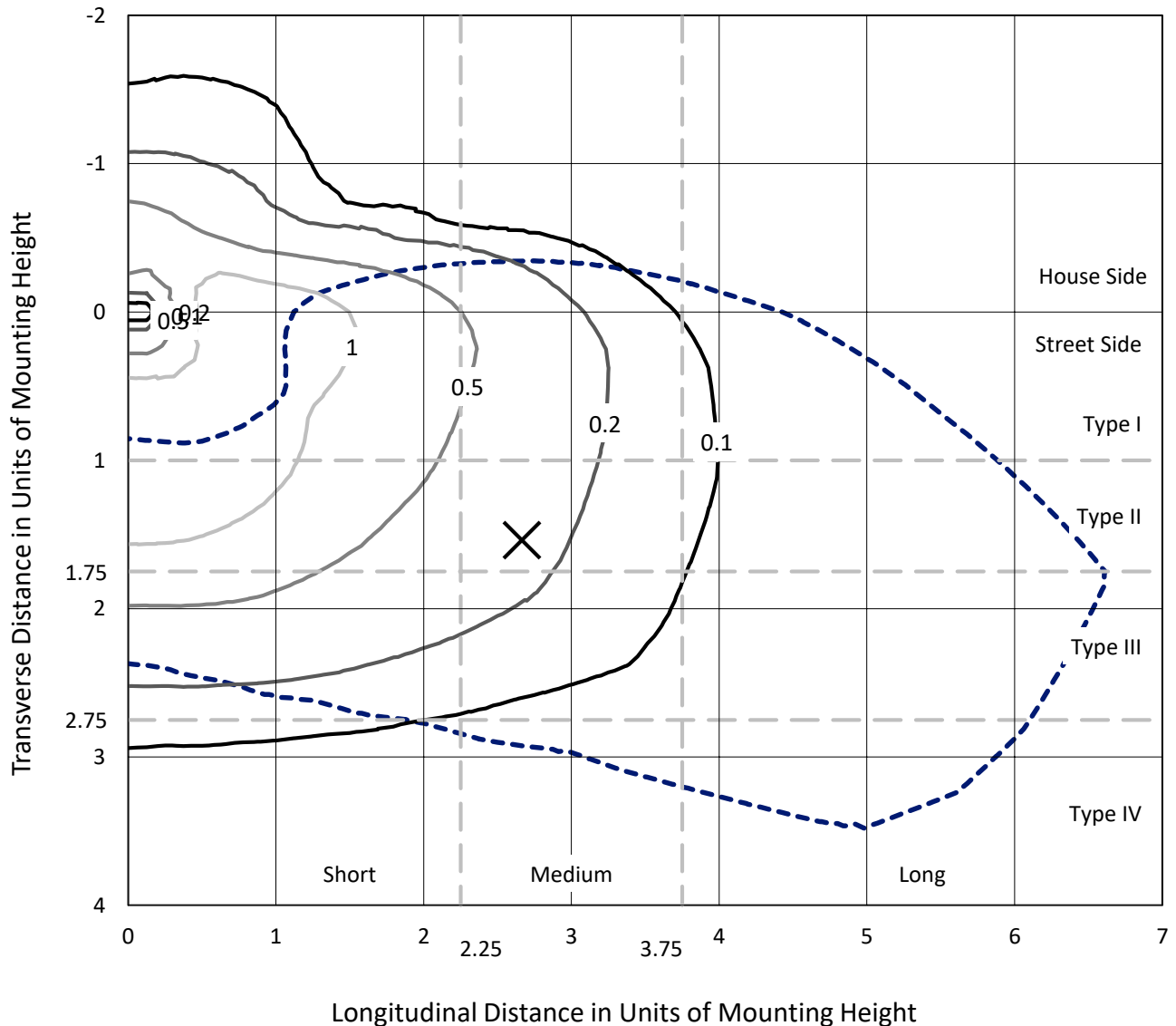
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

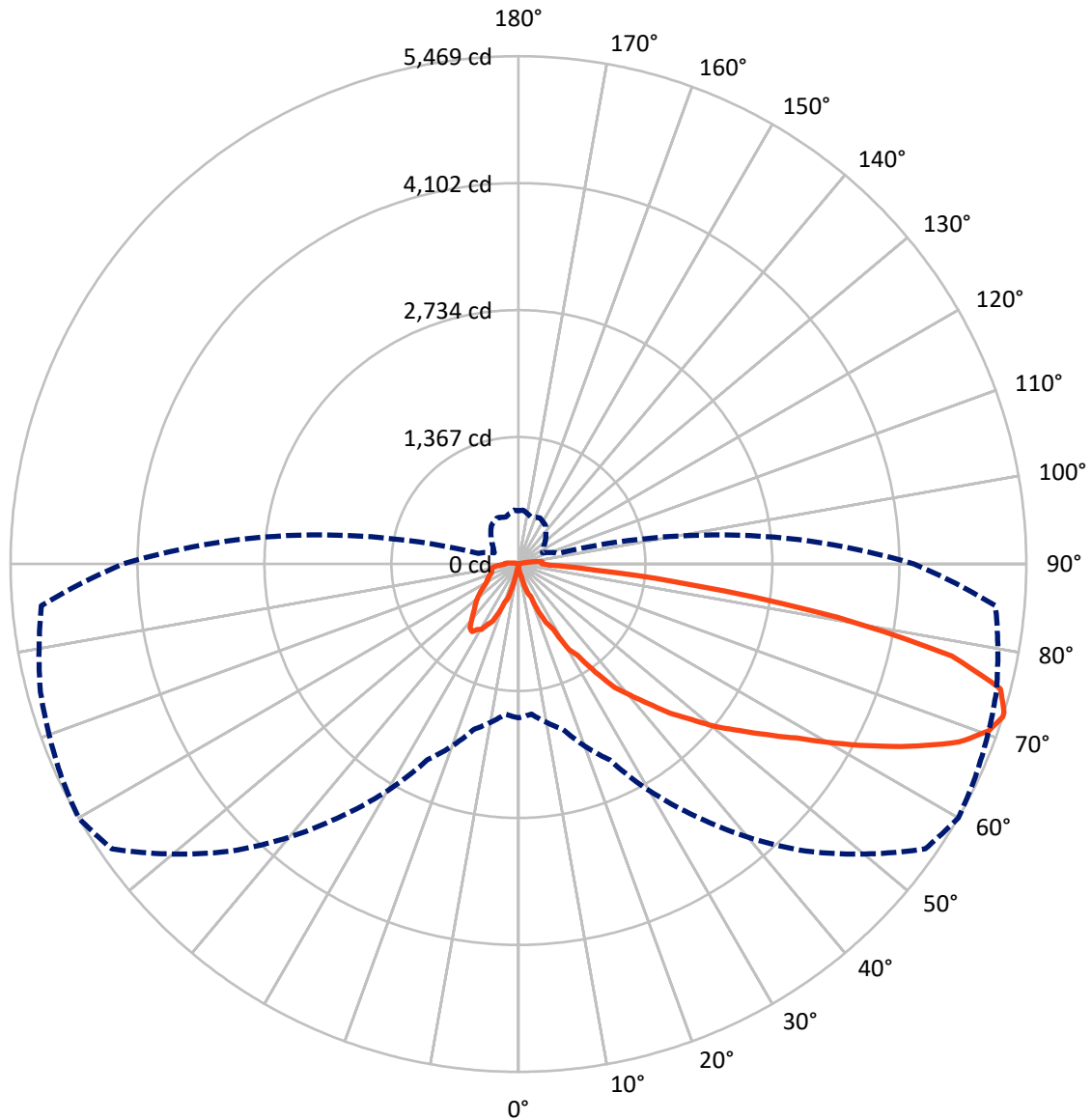


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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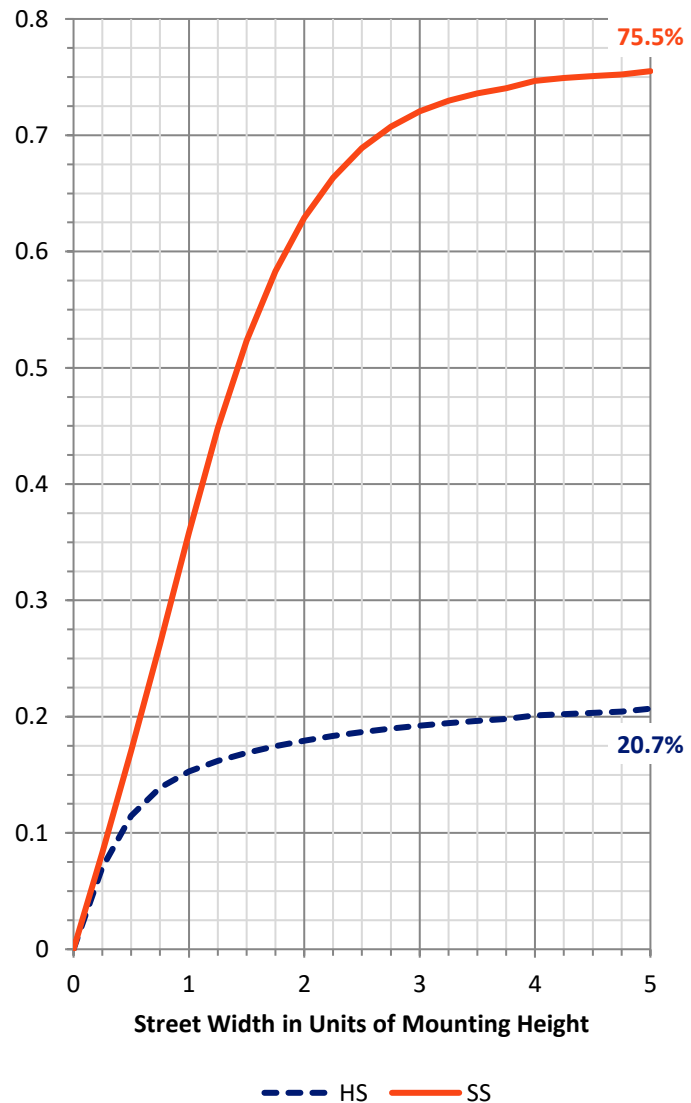
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2152.6	105.1	2257.6
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	7499.2	92.3	7591.5
	% Fixture	76.1	0.9	77.1
Total	Lumens	9651.7	197.3	9849.1
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	80.5	0.8
20°-30°	335.8	3.4
30°-40°	775.7	7.9
40°-50°	1362.1	13.8
50°-60°	2058.7	20.9
60°-70°	2538.3	25.8
70°-80°	1959.8	19.9
80°-90°	535.4	5.4
90°-100°	145.4	1.5
100°-110°	25.2	0.3
110°-120°	9.7	0.1
120°-130°	7.0	0.1
130°-140°	4.6	0.0
140°-150°	3.7	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9651.7	98.0
0°-180°	9849.1	100.0



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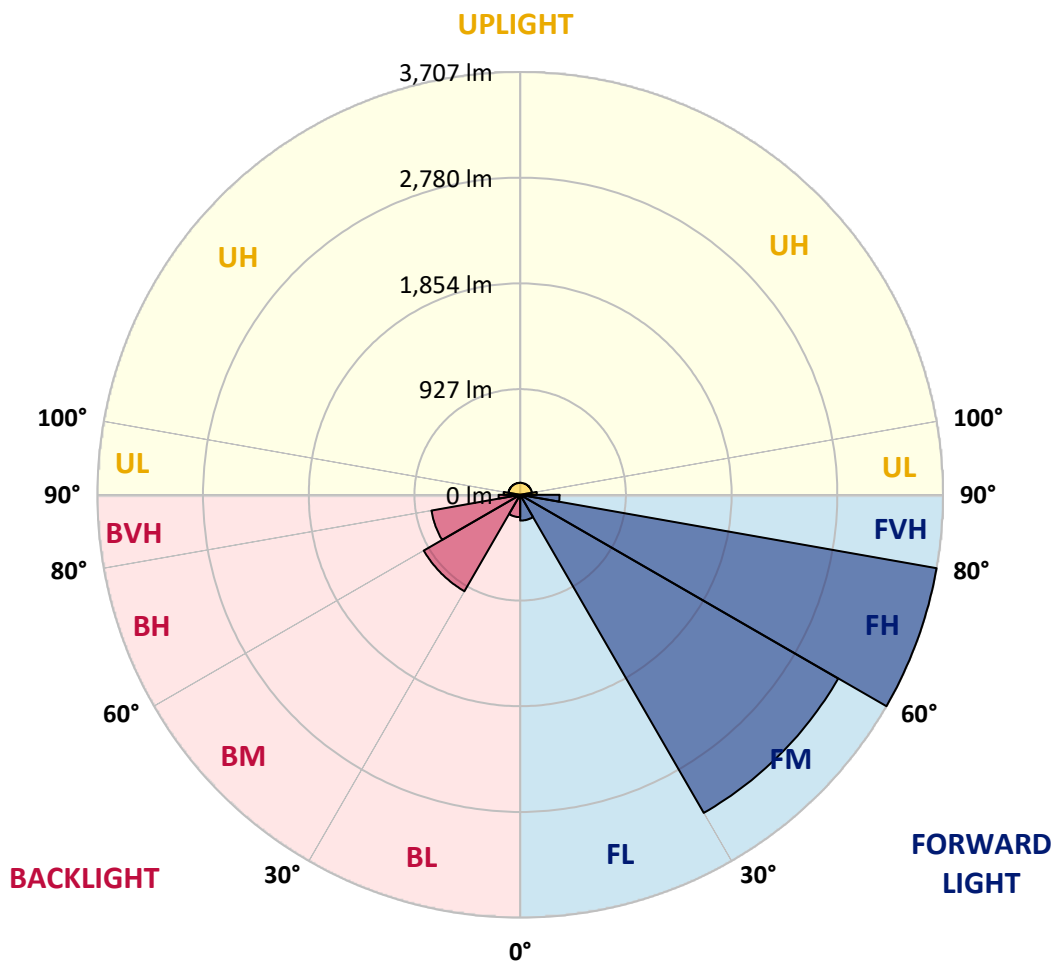
CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.1	2.3			
FM	(30°-60°)	3220.2	32.7			
FH	(60°-80°)	3707.1	37.6			G2/5000
FVH	(80°-90°)	345.8	3.5			G3/500
BL	(0°-30°)	195.6	2.0	B1/500		
BM	(30°-60°)	976.3	9.9	B1/1000		
BH	(60°-80°)	791.0	8.0	B2/1000		G2/1000
BVH	(80°-90°)	189.6	1.9			G2/225
UL	(90°-100°)	145.4	1.5		U3/500	
UH	(100°-180°)	105.1	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	13.1	12.0	10.9	10.9	12.0	10.9	9.8	8.7	7.6	7.6	6.6
5°	122.3	119.0	117.9	95.0	43.7	33.8	15.3	12.0	9.8	7.6	6.6
7.5°	135.4	134.3	133.2	133.2	131.0	124.5	71.0	34.9	19.7	9.8	8.7
10°	155.0	152.9	146.3	143.0	139.8	137.6	127.7	121.2	54.6	16.4	14.2
12.5°	276.2	271.9	265.3	196.5	168.1	148.5	145.2	139.8	121.2	50.2	101.5
15°	297.0	295.9	291.5	288.2	279.5	185.6	224.9	256.6	290.4	236.9	264.2
17.5°	373.4	362.5	334.1	317.7	312.3	340.6	325.4	330.8	330.8	318.8	302.4
20°	557.9	550.3	536.1	472.8	355.9	438.9	430.2	365.8	376.7	466.2	541.5
22.5°	672.6	664.9	635.4	595.0	587.4	488.0	507.7	554.6	567.7	654.0	652.9
25°	912.8	898.6	835.2	716.2	731.5	630.0	708.6	697.7	663.8	720.6	740.2
27.5°	1114.7	1102.7	1072.2	1012.1	848.3	881.1	805.8	791.6	882.2	1041.6	1038.3
30°	1337.5	1272.0	1190.1	1171.5	1050.3	999.0	1018.7	1065.6	1099.5	1114.7	1153.0
32.5°	1622.4	1614.8	1553.6	1312.4	1274.1	1142.0	1235.9	1171.5	1197.7	1418.3	1549.3
35°	1820.1	1839.7	1731.6	1587.5	1406.3	1403.0	1363.7	1428.1	1553.6	1584.2	1674.8
37.5°	2280.8	2286.3	2189.1	1777.5	1659.6	1546.0	1668.3	1685.8	1720.7	1773.1	1849.5
40°	2628.0	2578.9	2458.8	2153.1	1896.5	1773.1	1860.4	1858.3	1934.7	2030.8	2078.8
42.5°	3056.0	3001.4	2786.3	2440.2	2200.0	2063.5	2072.3	2053.7	2117.0	2268.8	2298.3
45°	3415.2	3391.2	3225.2	2860.5	2535.2	2371.4	2312.5	2289.5	2321.2	2512.3	2528.6
47.5°	3754.7	3690.3	3582.2	3213.2	3022.1	2724.1	2554.8	2500.3	2510.1	2727.3	2775.4
50°	4114.0	4005.9	3872.7	3548.4	3409.7	3167.3	2833.3	2748.1	2751.4	2952.3	3034.1
52.5°	4326.9	4155.4	4069.2	3800.6	3660.8	3539.7	3124.8	2977.4	2992.7	3182.6	3307.1
55°	4194.7	4143.4	4145.6	3985.1	3881.4	3739.5	3407.5	3242.7	3260.2	3482.9	3639.0
57.5°	3972.0	4011.3	4150.0	4143.4	4085.6	3946.9	3689.2	3535.3	3635.7	3822.4	3987.3
60°	3800.6	3845.4	4070.3	4186.0	4294.1	4192.6	3980.7	3914.1	4008.0	4170.7	4368.3
62.5°	3514.5	3550.6	3859.6	4165.3	4288.6	4402.2	4258.1	4318.1	4404.4	4541.9	4782.1
65°	3123.7	3114.9	3499.3	3975.3	4252.6	4519.0	4615.1	4725.4	4804.0	4951.4	5169.7
67.5°	2661.8	2705.5	3028.7	3565.9	4111.8	4578.0	4915.3	5117.3	5166.5	5223.2	5380.5
70°	2173.8	2171.6	2454.4	3025.4	3809.3	4545.2	5200.3	5375.0	5376.1	5342.2	5389.2
72°	1657.4	1622.4	1840.8	2327.7	3308.2	4369.4	5346.6	5468.9	5428.5	5328.0	5156.6
72.5°	1422.6	1454.3	1659.6	2192.4	3083.3	4282.1	5361.9	5467.8	5424.1	5313.9	5086.8
75°	721.7	675.8	792.7	1174.8	2126.9	3460.0	5251.6	5360.8	5238.5	5100.9	4460.1
77.5°	282.8	290.4	336.3	507.7	1035.0	2278.6	4533.2	4771.2	4692.6	4595.4	3517.8
80°	198.7	198.7	224.9	289.3	530.6	925.9	3141.1	3487.2	3608.4	3656.5	2352.9
82.5°	144.1	146.3	171.4	202.0	378.9	444.4	1542.7	1938.0	2129.0	2308.1	1315.6
85°	134.3	134.3	137.6	135.4	270.8	316.6	561.2	827.6	956.4	1121.3	531.7
87.5°	63.3	68.8	101.5	80.8	133.2	195.4	305.7	331.9	339.6	385.4	382.1
90°	41.5	41.5	33.8	34.9	65.5	158.3	245.7	251.1	241.3	282.8	355.9
92.5°	42.6	43.7	31.7	32.8	51.3	145.2	252.2	256.6	248.9	297.0	377.8
95°	39.3	39.3	27.3	28.4	40.4	111.4	252.2	256.6	234.7	295.9	377.8
97.5°	32.8	33.8	21.8	22.9	31.7	54.6	174.7	187.8	149.6	150.7	184.5
100°	28.4	28.4	17.5	18.6	22.9	25.1	88.4	92.8	83.0	37.1	25.1
102.5°	28.4	28.4	15.3	15.3	15.3	14.2	27.3	45.9	38.2	21.8	24.0
105°	27.3	28.4	14.2	12.0	12.0	10.9	14.2	17.5	17.5	17.5	25.1
107.5°	21.8	22.9	10.9	10.9	9.8	9.8	7.6	7.6	10.9	16.4	27.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	17.5	17.5	8.7	9.8	7.6	8.7	6.6	6.6	9.8	12.0	20.7
112.5°	9.8	9.8	6.6	7.6	6.6	7.6	6.6	6.6	7.6	9.8	13.1
115°	8.7	8.7	5.5	5.5	5.5	5.5	5.5	5.5	6.6	8.7	14.2
117.5°	8.7	8.7	5.5	5.5	5.5	4.4	4.4	5.5	5.5	8.7	14.2
120°	8.7	8.7	5.5	5.5	4.4	4.4	4.4	5.5	5.5	8.7	14.2
122.5°	9.8	8.7	5.5	4.4	4.4	4.4	4.4	4.4	5.5	7.6	14.2
125°	9.8	8.7	6.6	4.4	4.4	4.4	4.4	4.4	5.5	7.6	12.0
127.5°	9.8	9.8	6.6	4.4	4.4	4.4	4.4	4.4	4.4	6.6	10.9
130°	9.8	8.7	6.6	4.4	4.4	4.4	4.4	4.4	4.4	6.6	9.8
132.5°	8.7	8.7	6.6	4.4	5.5	4.4	4.4	4.4	4.4	5.5	7.6
135°	7.6	7.6	5.5	5.5	5.5	4.4	4.4	4.4	4.4	4.4	6.6
137.5°	7.6	7.6	6.6	5.5	5.5	5.5	4.4	4.4	4.4	4.4	5.5
140°	7.6	7.6	6.6	6.6	6.6	5.5	4.4	4.4	4.4	5.5	5.5
142.5°	8.7	8.7	7.6	6.6	6.6	5.5	4.4	4.4	5.5	5.5	5.5
145°	9.8	9.8	8.7	7.6	6.6	4.4	4.4	5.5	5.5	5.5	6.6
147.5°	9.8	9.8	8.7	6.6	5.5	4.4	4.4	5.5	5.5	6.6	6.6
150°	8.7	8.7	7.6	5.5	4.4	3.3	4.4	4.4	5.5	6.6	6.6
152.5°	6.6	6.6	5.5	4.4	3.3	2.2	3.3	4.4	4.4	5.5	6.6
155°	4.4	4.4	3.3	2.2	2.2	2.2	3.3	3.3	3.3	4.4	5.5
157.5°	2.2	2.2	1.1	1.1	2.2	2.2	2.2	3.3	3.3	3.3	4.4
160°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	3.3	3.3	3.3	3.3
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	6.6	6.6	6.6	6.6	6.6	6.6	7.6	7.6	7.6	8.7	9.8
5°	6.6	6.6	6.6	6.6	7.6	8.7	9.8	10.9	12.0	13.1	13.1
7.5°	7.6	7.6	7.6	8.7	9.8	12.0	27.3	96.1	131.0	143.0	139.8
10°	14.2	14.2	13.1	13.1	15.3	127.7	162.7	176.9	184.5	193.3	193.3
12.5°	113.5	131.0	46.9	26.2	126.7	179.1	192.2	202.0	208.5	217.3	217.3
15°	274.0	278.4	286.1	257.7	248.9	203.1	211.8	287.1	377.8	401.8	404.0
17.5°	307.9	313.4	318.8	377.8	401.8	311.2	358.1	402.9	411.6	420.3	420.3
20°	587.4	596.1	483.7	433.4	423.6	527.3	405.1	416.0	431.3	508.8	516.4
22.5°	666.0	671.5	628.9	656.2	480.4	551.4	532.8	532.8	596.1	600.5	601.6
25°	746.8	777.4	696.6	674.7	683.5	557.9	628.9	567.7	576.5	583.0	584.1
27.5°	1089.6	1085.3	1019.8	771.9	685.7	675.8	610.3	560.1	655.1	680.2	681.3
30°	1158.4	1147.5	1088.5	904.0	711.9	669.3	575.4	647.4	630.0	633.3	634.3
32.5°	1593.0	1575.5	1408.4	914.9	743.5	618.0	624.5	602.7	604.9	672.6	674.7
35°	1702.1	1678.1	1443.4	1058.0	708.6	626.7	577.6	604.9	615.8	612.5	612.5
37.5°	1848.4	1802.6	1432.5	994.6	737.0	586.3	552.5	571.0	564.5	606.0	603.8
40°	2007.8	1943.4	1437.9	922.6	668.2	550.3	529.5	545.9	541.5	529.5	520.8
42.5°	2210.9	2099.6	1436.8	862.5	604.9	538.3	500.1	499.0	480.4	460.7	454.2
45°	2418.4	2264.4	1441.2	793.7	556.8	528.4	483.7	457.5	441.1	420.3	414.9
47.5°	2645.5	2440.2	1454.3	739.2	519.7	499.0	462.9	431.3	419.3	393.1	390.9
50°	2914.0	2624.7	1458.7	695.5	476.0	472.8	447.6	412.7	394.1	367.9	365.8
52.5°	3203.4	2820.2	1466.3	631.1	442.2	462.9	456.4	408.3	400.7	366.8	364.7
55°	3477.4	3005.8	1464.1	553.5	426.9	454.2	456.4	436.7	424.7	369.0	364.7
57.5°	3807.2	3206.7	1431.4	481.5	402.9	441.1	478.2	461.8	448.7	402.9	394.1
60°	4101.9	3414.1	1334.2	425.8	382.1	426.9	496.8	480.4	443.3	413.8	405.1
62.5°	4447.0	3593.2	1198.8	385.4	374.5	431.3	503.3	492.4	446.6	436.7	433.4
65°	4680.6	3660.8	993.5	352.7	373.4	431.3	501.1	503.3	470.6	480.4	479.3
67.5°	4709.0	3573.5	753.4	327.5	360.3	431.3	497.9	525.2	492.4	532.8	535.0
70°	4572.5	3355.1	549.2	302.4	346.1	425.8	499.0	539.4	508.8	572.1	567.7
72°	4258.1	3024.3	444.4	286.1	334.1	417.1	506.6	547.0	523.0	581.9	572.1
72.5°	4176.2	2922.8	424.7	283.9	331.9	416.0	508.8	549.2	524.1	591.8	579.8
75°	3494.9	2327.7	364.7	267.5	335.2	410.5	519.7	548.1	530.6	598.3	600.5
77.5°	2647.6	1568.9	323.2	253.3	334.1	400.7	516.4	539.4	520.8	575.4	587.4
80°	1638.8	912.8	287.1	252.2	331.9	396.3	502.2	516.4	493.5	537.2	540.4
82.5°	896.4	533.9	248.9	247.8	322.1	384.3	474.9	490.2	468.4	516.4	482.6
85°	458.6	362.5	186.7	203.1	281.7	361.4	443.3	442.2	420.3	437.8	413.8
87.5°	353.7	285.0	121.2	146.3	230.4	298.1	364.7	361.4	333.0	335.2	325.4
90°	325.4	254.4	79.7	103.7	192.2	214.0	253.3	243.5	223.8	228.2	224.9
92.5°	327.5	251.1	76.4	110.3	184.5	192.2	232.6	220.5	200.9	203.1	196.5
95°	319.9	241.3	76.4	97.2	152.9	136.5	167.0	162.7	146.3	138.7	135.4
97.5°	152.9	120.1	71.0	72.1	86.3	74.2	101.5	109.2	87.3	69.9	69.9
100°	26.2	40.4	62.2	73.2	62.2	46.9	64.4	74.2	50.2	22.9	25.1
102.5°	26.2	25.1	48.0	62.2	44.8	25.1	37.1	49.1	31.7	17.5	18.6
105°	28.4	26.2	22.9	42.6	26.2	13.1	14.2	25.1	17.5	17.5	17.5
107.5°	30.6	28.4	16.4	16.4	13.1	12.0	10.9	9.8	12.0	17.5	18.6



REPORT NUMBER: P413911

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.9	22.9	15.3	13.1	12.0	12.0	8.7	8.7	12.0	18.6	18.6
112.5°	16.4	16.4	13.1	10.9	9.8	12.0	8.7	8.7	10.9	18.6	19.7
115°	16.4	16.4	12.0	9.8	8.7	9.8	8.7	7.6	10.9	18.6	19.7
117.5°	16.4	16.4	12.0	8.7	7.6	7.6	6.6	7.6	10.9	18.6	19.7
120°	16.4	16.4	12.0	8.7	7.6	6.6	6.6	6.6	10.9	18.6	19.7
122.5°	15.3	15.3	10.9	7.6	6.6	5.5	5.5	6.6	9.8	17.5	18.6
125°	14.2	14.2	9.8	7.6	6.6	5.5	5.5	5.5	9.8	16.4	17.5
127.5°	13.1	13.1	9.8	6.6	5.5	5.5	5.5	5.5	8.7	15.3	16.4
130°	10.9	10.9	8.7	6.6	5.5	4.4	5.5	5.5	8.7	14.2	14.2
132.5°	8.7	8.7	6.6	5.5	5.5	4.4	4.4	5.5	7.6	12.0	13.1
135°	6.6	6.6	6.6	5.5	5.5	4.4	4.4	4.4	6.6	9.8	10.9
137.5°	5.5	6.6	5.5	5.5	5.5	4.4	4.4	4.4	6.6	8.7	8.7
140°	5.5	5.5	5.5	5.5	5.5	4.4	4.4	4.4	6.6	7.6	8.7
142.5°	5.5	6.6	5.5	5.5	5.5	4.4	4.4	5.5	6.6	8.7	8.7
145°	6.6	6.6	6.6	5.5	5.5	3.3	3.3	5.5	6.6	8.7	8.7
147.5°	6.6	6.6	6.6	5.5	4.4	3.3	3.3	4.4	6.6	8.7	8.7
150°	6.6	6.6	6.6	5.5	4.4	2.2	2.2	4.4	5.5	7.6	8.7
152.5°	6.6	6.6	5.5	5.5	3.3	2.2	1.1	3.3	4.4	6.6	6.6
155°	5.5	5.5	5.5	4.4	3.3	1.1	0.0	1.1	3.3	5.5	5.5
157.5°	4.4	4.4	4.4	3.3	2.2	1.1	0.0	1.1	1.1	3.3	3.3
160°	3.3	3.3	3.3	3.3	2.2	1.1	0.0	0.0	1.1	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

(END OF REPORT)