

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: P417239

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417239
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-PA1-90-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA 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: 9726 lumens
Efficiency: N/A
Efficacy: 103.5 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

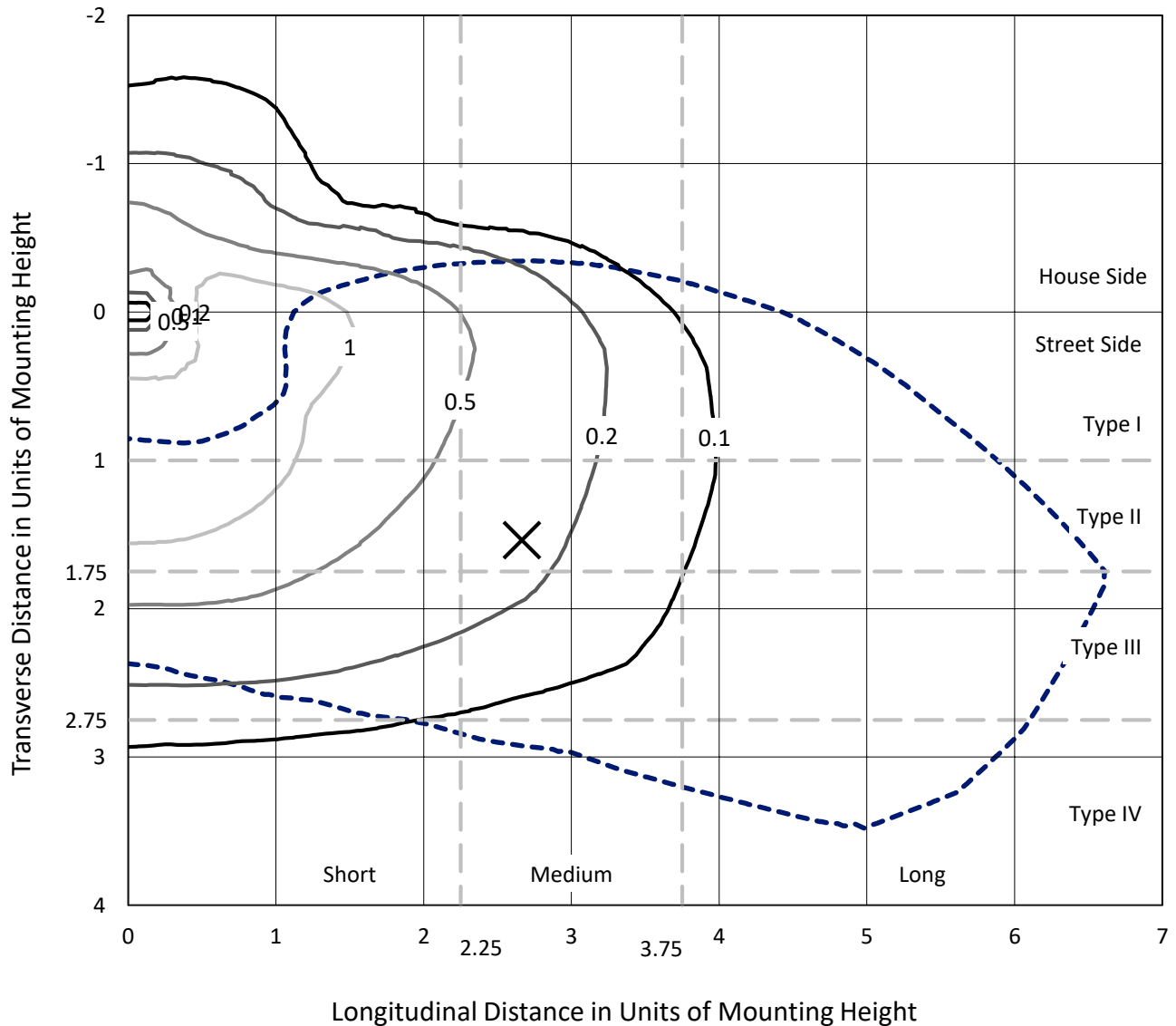
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

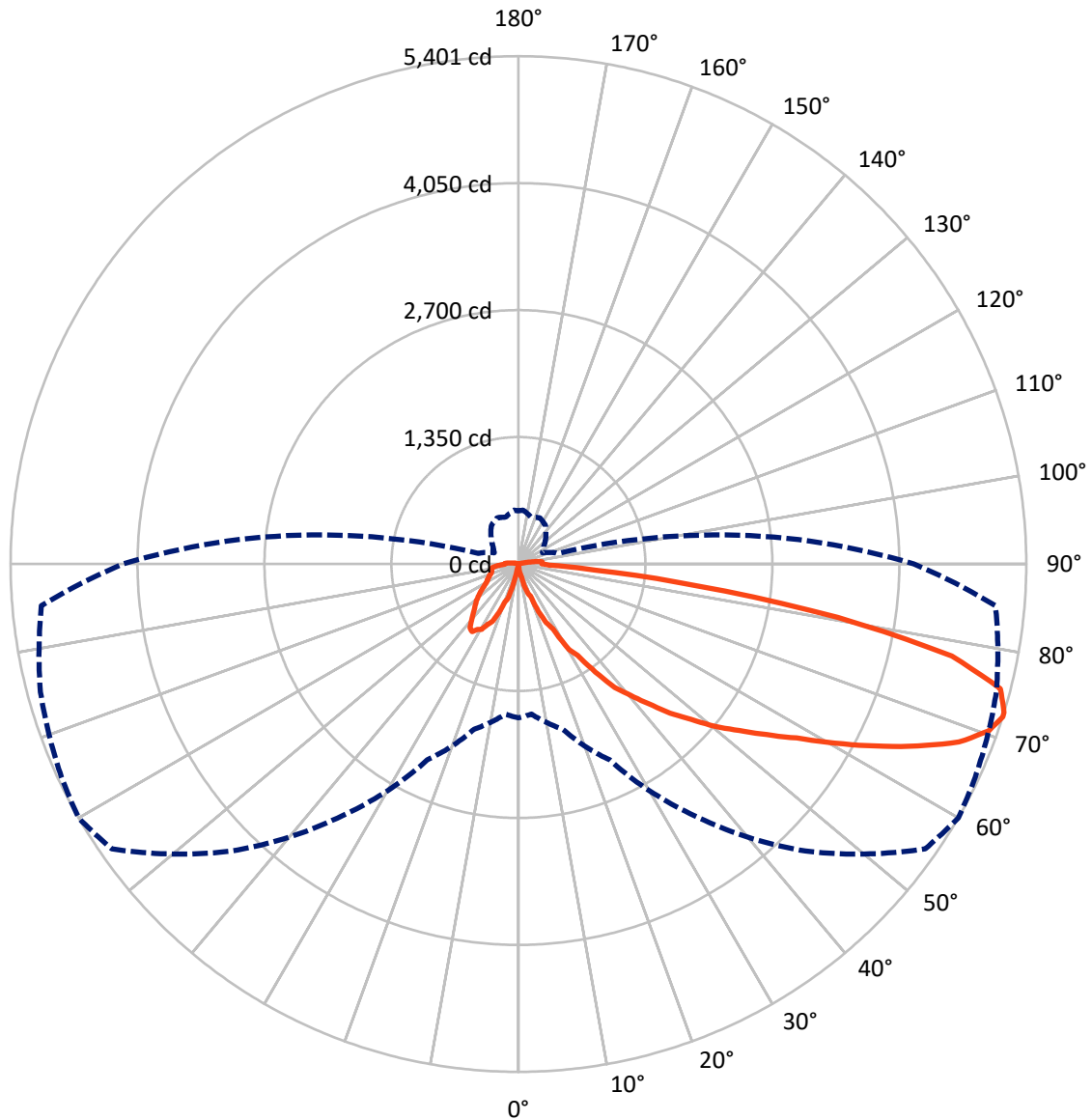
✕ Max cd
 - - - 1/2 Max cd



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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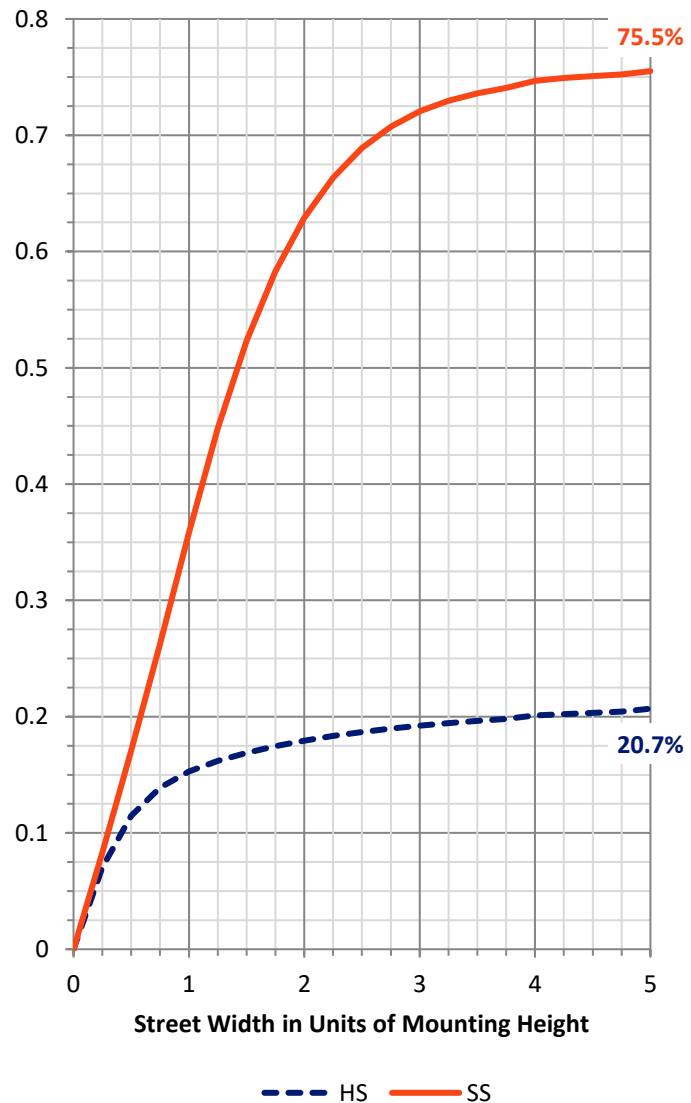
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2125.7	103.7	2229.4
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	7405.5	91.1	7496.6
	% Fixture	76.1	0.9	77.1
Total	Lumens	9531.2	194.8	9726.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	79.5	0.8
20°-30°	331.6	3.4
30°-40°	766.0	7.9
40°-50°	1345.1	13.8
50°-60°	2033.0	20.9
60°-70°	2506.6	25.8
70°-80°	1935.3	19.9
80°-90°	528.7	5.4
90°-100°	143.6	1.5
100°-110°	24.9	0.3
110°-120°	9.6	0.1
120°-130°	6.9	0.1
130°-140°	4.5	0.0
140°-150°	3.7	0.0
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9531.2	98.0
0°-180°	9726.0	100.0



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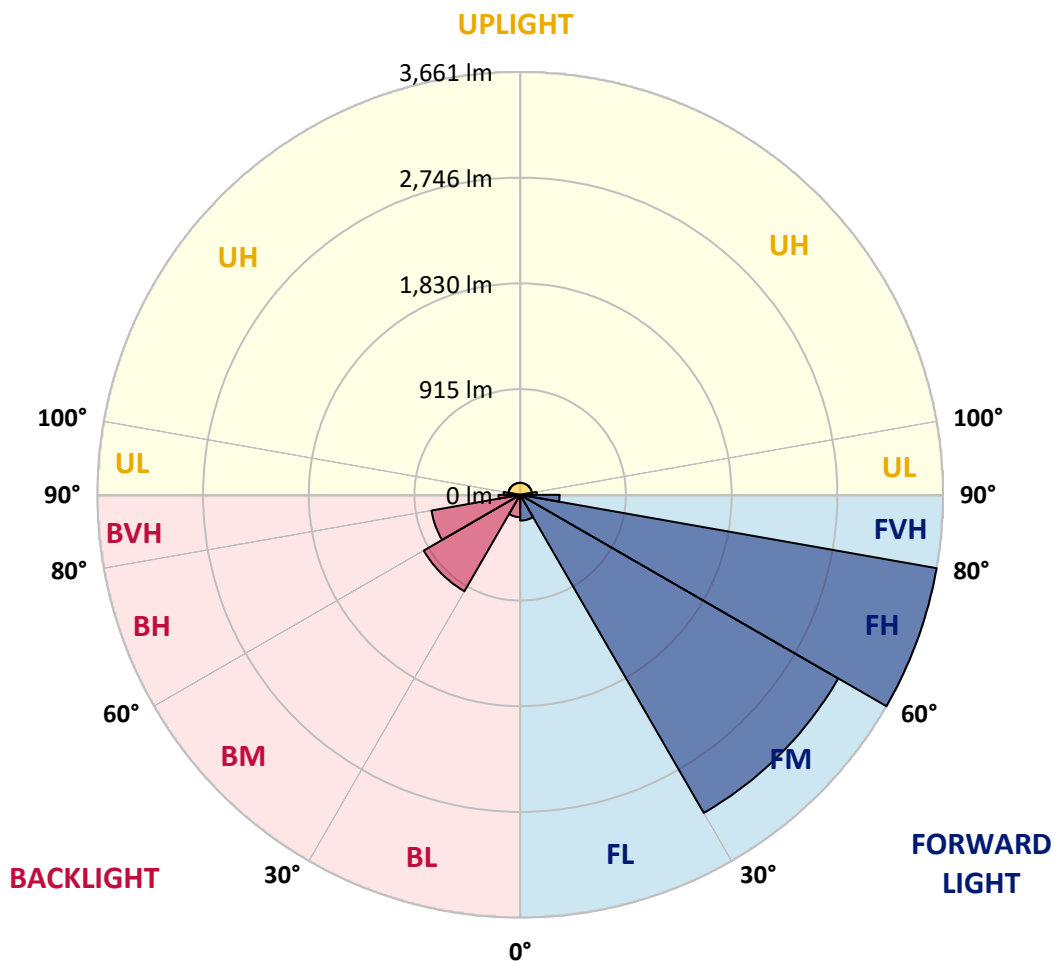
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.2	2.3			
FM	(30°-60°)	3180.0	32.7			
FH	(60°-80°)	3660.9	37.6			G2/5000
FVH	(80°-90°)	341.5	3.5			G3/500
BL	(0°-30°)	193.2	2.0	B1/500		
BM	(30°-60°)	964.1	9.9	B1/1000		
BH	(60°-80°)	781.1	8.0	B2/1000		G2/1000
BVH	(80°-90°)	187.3	1.9			G2/225
UL	(90°-100°)	143.6	1.5		U3/500	
UH	(100°-180°)	103.7	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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	12.9	11.9	10.8	10.8	11.9	10.8	9.7	8.6	7.5	7.5	6.5
5°	120.8	117.5	116.4	93.8	43.1	33.4	15.1	11.9	9.7	7.5	6.5
7.5°	133.7	132.6	131.5	131.5	129.4	122.9	70.1	34.5	19.4	9.7	8.6
10°	153.1	150.9	144.5	141.2	138.0	135.9	126.1	119.7	53.9	16.2	14.0
12.5°	272.8	268.5	262.0	194.1	166.0	146.6	143.4	138.0	119.7	49.6	100.3
15°	293.3	292.2	287.9	284.6	276.0	183.3	222.1	253.4	286.8	234.0	260.9
17.5°	368.7	358.0	329.9	313.7	308.4	336.4	321.3	326.7	326.7	314.8	298.7
20°	550.9	543.4	529.4	466.9	351.5	433.4	424.8	361.2	372.0	460.4	534.8
22.5°	664.2	656.6	627.5	587.6	580.1	481.9	501.4	547.7	560.7	645.8	644.8
25°	901.4	887.3	824.8	707.3	722.4	622.1	699.7	689.0	655.5	711.6	731.0
27.5°	1100.8	1089.0	1058.8	999.5	837.7	870.1	795.7	781.7	871.2	1028.6	1025.3
30°	1320.8	1256.1	1175.2	1156.9	1037.2	986.5	1005.9	1052.3	1085.7	1100.8	1138.6
32.5°	1602.2	1594.6	1534.2	1296.0	1258.2	1127.8	1220.5	1156.9	1182.8	1400.6	1529.9
35°	1797.3	1816.7	1710.0	1567.7	1388.7	1385.5	1346.6	1410.3	1534.2	1564.4	1653.9
37.5°	2252.3	2257.7	2161.7	1755.3	1638.8	1526.7	1647.5	1664.7	1699.2	1751.0	1826.4
40°	2595.2	2546.7	2428.1	2126.2	1872.8	1751.0	1837.2	1835.1	1910.5	2005.4	2052.9
42.5°	3017.8	2963.9	2751.5	2409.7	2172.5	2037.8	2046.4	2028.1	2090.6	2240.5	2269.6
45°	3372.5	3348.8	3184.9	2824.8	2503.5	2341.8	2283.6	2260.9	2292.2	2480.9	2497.1
47.5°	3707.9	3644.2	3537.5	3173.1	2984.4	2690.1	2522.9	2469.0	2478.7	2693.3	2740.7
50°	4062.6	3955.8	3824.3	3504.1	3367.1	3127.8	2797.9	2713.8	2717.0	2915.4	2996.3
52.5°	4272.8	4103.5	4018.4	3753.1	3615.1	3495.5	3085.7	2940.2	2955.3	3142.9	3265.8
55°	4142.4	4091.7	4093.8	3935.3	3832.9	3692.8	3365.0	3202.2	3219.4	3439.4	3593.6
57.5°	3922.4	3961.2	4098.2	4091.7	4034.5	3897.6	3643.2	3491.1	3590.3	3774.7	3937.5
60°	3753.1	3797.3	4019.4	4133.7	4240.5	4140.2	3931.0	3865.3	3958.0	4118.6	4313.8
62.5°	3470.7	3506.2	3811.4	4113.2	4235.1	4347.2	4204.9	4264.2	4349.4	4485.2	4722.4
65°	3084.7	3076.0	3455.6	3925.6	4199.5	4462.6	4557.5	4666.4	4744.0	4889.5	5105.2
67.5°	2628.6	2671.7	2990.9	3521.3	4060.4	4520.8	4854.0	5053.4	5101.9	5158.0	5313.3
70°	2146.7	2144.5	2423.7	2987.6	3761.8	4488.5	5135.4	5307.9	5308.9	5275.5	5321.9
72°	1636.7	1602.2	1817.8	2298.7	3266.9	4314.9	5279.8	5400.6	5360.7	5261.5	5092.2
72.5°	1404.9	1436.1	1638.8	2165.0	3044.8	4228.6	5294.9	5399.5	5356.4	5247.5	5023.2
75°	712.7	667.4	782.8	1160.1	2100.3	3416.7	5186.0	5293.9	5173.1	5037.2	4404.4
77.5°	279.2	286.8	332.1	501.4	1022.1	2250.2	4476.6	4711.6	4634.0	4538.0	3473.9
80°	196.2	196.2	222.1	285.7	524.0	914.3	3101.9	3443.7	3563.4	3610.8	2323.5
82.5°	142.3	144.5	169.3	199.5	374.1	438.8	1523.5	1913.8	2102.4	2279.3	1299.2
85°	132.6	132.6	135.9	133.7	267.4	312.7	554.2	817.3	944.5	1107.3	525.1
87.5°	62.5	67.9	100.3	79.8	131.5	193.0	301.9	327.8	335.3	380.6	377.4
90°	41.0	41.0	33.4	34.5	64.7	156.3	242.6	248.0	238.3	279.2	351.5
92.5°	42.0	43.1	31.3	32.3	50.7	143.4	249.1	253.4	245.8	293.3	373.0
95°	38.8	38.8	27.0	28.0	39.9	110.0	249.1	253.4	231.8	292.2	373.0
97.5°	32.3	33.4	21.6	22.6	31.3	53.9	172.5	185.4	147.7	148.8	182.2
100°	28.0	28.0	17.3	18.3	22.6	24.8	87.3	91.6	81.9	36.7	24.8
102.5°	28.0	28.0	15.1	15.1	15.1	14.0	27.0	45.3	37.7	21.6	23.7
105°	27.0	28.0	14.0	11.9	11.9	10.8	14.0	17.3	17.3	17.3	24.8
107.5°	21.6	22.6	10.8	10.8	9.7	9.7	7.5	7.5	10.8	16.2	27.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	17.3	17.3	8.6	9.7	7.5	8.6	6.5	6.5	9.7	11.9	20.5
112.5°	9.7	9.7	6.5	7.5	6.5	7.5	6.5	6.5	7.5	9.7	12.9
115°	8.6	8.6	5.4	5.4	5.4	5.4	5.4	5.4	6.5	8.6	14.0
117.5°	8.6	8.6	5.4	5.4	5.4	4.3	4.3	5.4	5.4	8.6	14.0
120°	8.6	8.6	5.4	5.4	4.3	4.3	4.3	5.4	5.4	8.6	14.0
122.5°	9.7	8.6	5.4	4.3	4.3	4.3	4.3	4.3	5.4	7.5	14.0
125°	9.7	8.6	6.5	4.3	4.3	4.3	4.3	4.3	5.4	7.5	11.9
127.5°	9.7	9.7	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	10.8
130°	9.7	8.6	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	9.7
132.5°	8.6	8.6	6.5	4.3	5.4	4.3	4.3	4.3	4.3	5.4	7.5
135°	7.5	7.5	5.4	5.4	5.4	4.3	4.3	4.3	4.3	4.3	6.5
137.5°	7.5	7.5	6.5	5.4	5.4	5.4	4.3	4.3	4.3	4.3	5.4
140°	7.5	7.5	6.5	6.5	6.5	5.4	4.3	4.3	4.3	5.4	5.4
142.5°	8.6	8.6	7.5	6.5	6.5	5.4	4.3	4.3	5.4	5.4	5.4
145°	9.7	9.7	8.6	7.5	6.5	4.3	4.3	5.4	5.4	5.4	6.5
147.5°	9.7	9.7	8.6	6.5	5.4	4.3	4.3	5.4	5.4	6.5	6.5
150°	8.6	8.6	7.5	5.4	4.3	3.2	4.3	4.3	5.4	6.5	6.5
152.5°	6.5	6.5	5.4	4.3	3.2	2.2	3.2	4.3	4.3	5.4	6.5
155°	4.3	4.3	3.2	2.2	2.2	2.2	3.2	3.2	3.2	4.3	5.4
157.5°	2.2	2.2	1.1	1.1	2.2	2.2	2.2	3.2	3.2	3.2	4.3
160°	1.1	1.1	1.1	1.1	2.2	2.2	2.2	3.2	3.2	3.2	3.2
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°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
2.5°	6.5	6.5	6.5	6.5	6.5	6.5	7.5	7.5	7.5	8.6	9.7
5°	6.5	6.5	6.5	6.5	7.5	8.6	9.7	10.8	11.9	12.9	12.9
7.5°	7.5	7.5	7.5	8.6	9.7	11.9	27.0	94.9	129.4	141.2	138.0
10°	14.0	14.0	12.9	12.9	15.1	126.1	160.6	174.7	182.2	190.8	190.8
12.5°	112.1	129.4	46.4	25.9	125.1	176.8	189.8	199.5	205.9	214.6	214.6
15°	270.6	274.9	282.5	254.4	245.8	200.5	209.2	283.6	373.0	396.8	398.9
17.5°	304.0	309.4	314.8	373.0	396.8	307.3	353.6	397.8	406.5	415.1	415.1
20°	580.1	588.7	477.6	428.0	418.3	520.8	400.0	410.8	425.9	502.4	510.0
22.5°	657.7	663.1	621.0	648.0	474.4	544.5	526.2	526.2	588.7	593.0	594.1
25°	737.5	767.7	687.9	666.3	674.9	550.9	621.0	560.7	569.3	575.7	576.8
27.5°	1076.0	1071.7	1007.0	762.3	677.1	667.4	602.7	553.1	646.9	671.7	672.8
30°	1143.9	1133.2	1074.9	892.7	703.0	660.9	568.2	639.4	622.1	625.3	626.4
32.5°	1573.1	1555.8	1390.8	903.5	734.2	610.2	616.7	595.2	597.3	664.2	666.3
35°	1680.9	1657.2	1425.4	1044.8	699.7	618.9	570.4	597.3	608.1	604.9	604.9
37.5°	1825.4	1780.1	1414.6	982.2	727.8	579.0	545.6	563.9	557.4	598.4	596.2
40°	1982.8	1919.2	1420.0	911.1	659.8	543.4	522.9	539.1	534.8	522.9	514.3
42.5°	2183.3	2073.3	1418.9	851.8	597.3	531.5	493.8	492.7	474.4	455.0	448.5
45°	2388.2	2236.1	1423.2	783.8	549.9	521.8	477.6	451.8	435.6	415.1	409.7
47.5°	2612.4	2409.7	1436.1	729.9	513.2	492.7	457.1	425.9	414.0	388.1	386.0
50°	2877.7	2591.9	1440.4	686.8	470.1	466.9	442.1	407.6	389.2	363.3	361.2
52.5°	3163.4	2784.9	1448.0	623.2	436.7	457.1	450.7	403.2	395.7	362.3	360.1
55°	3434.0	2968.2	1445.8	546.6	421.6	448.5	450.7	431.3	419.4	364.4	360.1
57.5°	3759.6	3166.6	1413.5	475.5	397.8	435.6	472.2	456.1	443.1	397.8	389.2
60°	4050.7	3371.5	1317.5	420.5	377.4	421.6	490.6	474.4	437.7	408.6	400.0
62.5°	4391.4	3548.3	1183.8	380.6	369.8	425.9	497.0	486.3	441.0	431.3	428.0
65°	4622.1	3615.1	981.1	348.3	368.7	425.9	494.9	497.0	464.7	474.4	473.3
67.5°	4650.2	3528.9	743.9	323.5	355.8	425.9	491.6	518.6	486.3	526.2	528.3
70°	4515.4	3313.2	542.3	298.7	341.8	420.5	492.7	532.6	502.4	565.0	560.7
72°	4204.9	2986.6	438.8	282.5	329.9	411.9	500.3	540.2	516.4	574.7	565.0
72.5°	4124.0	2886.3	419.4	280.3	327.8	410.8	502.4	542.3	517.5	584.4	572.5
75°	3451.2	2298.7	360.1	264.2	331.0	405.4	513.2	541.2	524.0	590.8	593.0
77.5°	2614.6	1549.3	319.1	250.1	329.9	395.7	510.0	532.6	514.3	568.2	580.1
80°	1618.3	901.4	283.6	249.1	327.8	391.4	496.0	510.0	487.3	530.5	533.7
82.5°	885.2	527.2	245.8	244.7	318.1	379.5	469.0	484.1	462.5	510.0	476.6
85°	452.8	358.0	184.4	200.5	278.2	356.9	437.7	436.7	415.1	432.3	408.6
87.5°	349.3	281.4	119.7	144.5	227.5	294.3	360.1	356.9	328.8	331.0	321.3
90°	321.3	251.2	78.7	102.4	189.8	211.3	250.1	240.4	221.0	225.3	222.1
92.5°	323.5	248.0	75.5	108.9	182.2	189.8	229.7	217.8	198.4	200.5	194.1
95°	315.9	238.3	75.5	96.0	150.9	134.8	165.0	160.6	144.5	136.9	133.7
97.5°	150.9	118.6	70.1	71.2	85.2	73.3	100.3	107.8	86.3	69.0	69.0
100°	25.9	39.9	61.5	72.2	61.5	46.4	63.6	73.3	49.6	22.6	24.8
102.5°	25.9	24.8	47.4	61.5	44.2	24.8	36.7	48.5	31.3	17.3	18.3
105°	28.0	25.9	22.6	42.0	25.9	12.9	14.0	24.8	17.3	17.3	17.3
107.5°	30.2	28.0	16.2	16.2	12.9	11.9	10.8	9.7	11.9	17.3	18.3



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.6	22.6	15.1	12.9	11.9	11.9	8.6	8.6	11.9	18.3	18.3
112.5°	16.2	16.2	12.9	10.8	9.7	11.9	8.6	8.6	10.8	18.3	19.4
115°	16.2	16.2	11.9	9.7	8.6	9.7	8.6	7.5	10.8	18.3	19.4
117.5°	16.2	16.2	11.9	8.6	7.5	7.5	6.5	7.5	10.8	18.3	19.4
120°	16.2	16.2	11.9	8.6	7.5	6.5	6.5	6.5	10.8	18.3	19.4
122.5°	15.1	15.1	10.8	7.5	6.5	5.4	5.4	6.5	9.7	17.3	18.3
125°	14.0	14.0	9.7	7.5	6.5	5.4	5.4	5.4	9.7	16.2	17.3
127.5°	12.9	12.9	9.7	6.5	5.4	5.4	5.4	5.4	8.6	15.1	16.2
130°	10.8	10.8	8.6	6.5	5.4	4.3	5.4	5.4	8.6	14.0	14.0
132.5°	8.6	8.6	6.5	5.4	5.4	4.3	4.3	5.4	7.5	11.9	12.9
135°	6.5	6.5	6.5	5.4	5.4	4.3	4.3	4.3	6.5	9.7	10.8
137.5°	5.4	6.5	5.4	5.4	5.4	4.3	4.3	4.3	6.5	8.6	8.6
140°	5.4	5.4	5.4	5.4	5.4	4.3	4.3	4.3	6.5	7.5	8.6
142.5°	5.4	6.5	5.4	5.4	5.4	4.3	4.3	5.4	6.5	8.6	8.6
145°	6.5	6.5	6.5	5.4	5.4	3.2	3.2	5.4	6.5	8.6	8.6
147.5°	6.5	6.5	6.5	5.4	4.3	3.2	3.2	4.3	6.5	8.6	8.6
150°	6.5	6.5	6.5	5.4	4.3	2.2	2.2	4.3	5.4	7.5	8.6
152.5°	6.5	6.5	5.4	5.4	3.2	2.2	1.1	3.2	4.3	6.5	6.5
155°	5.4	5.4	5.4	4.3	3.2	1.1	0.0	1.1	3.2	5.4	5.4
157.5°	4.3	4.3	4.3	3.2	2.2	1.1	0.0	1.1	1.1	3.2	3.2
160°	3.2	3.2	3.2	3.2	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)