

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: P417248

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T4W-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9701 lumens
Efficiency: N/A
Efficacy: 103.2 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 (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

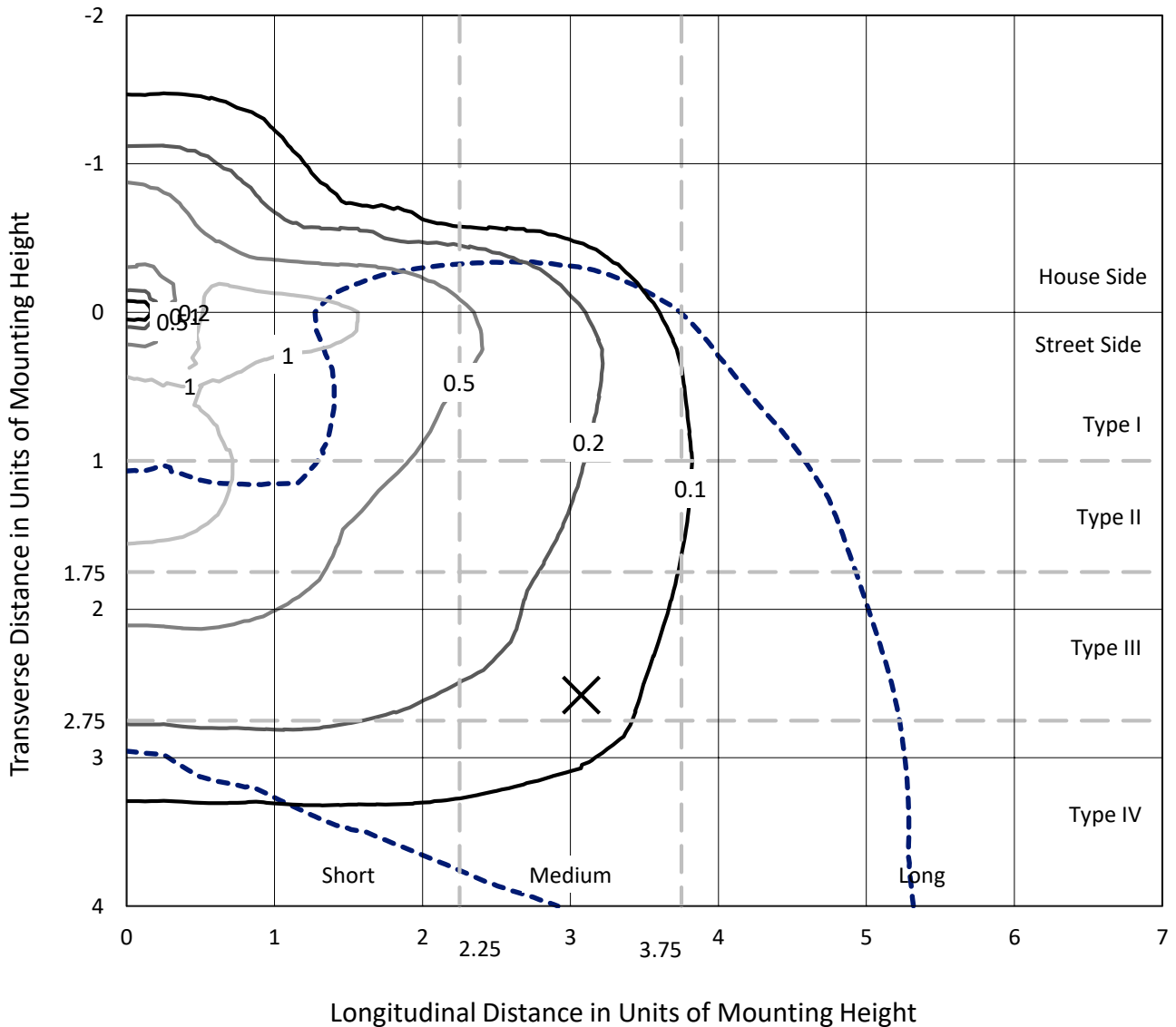


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Iso-Footcandle Lines of Horizontal Illumination

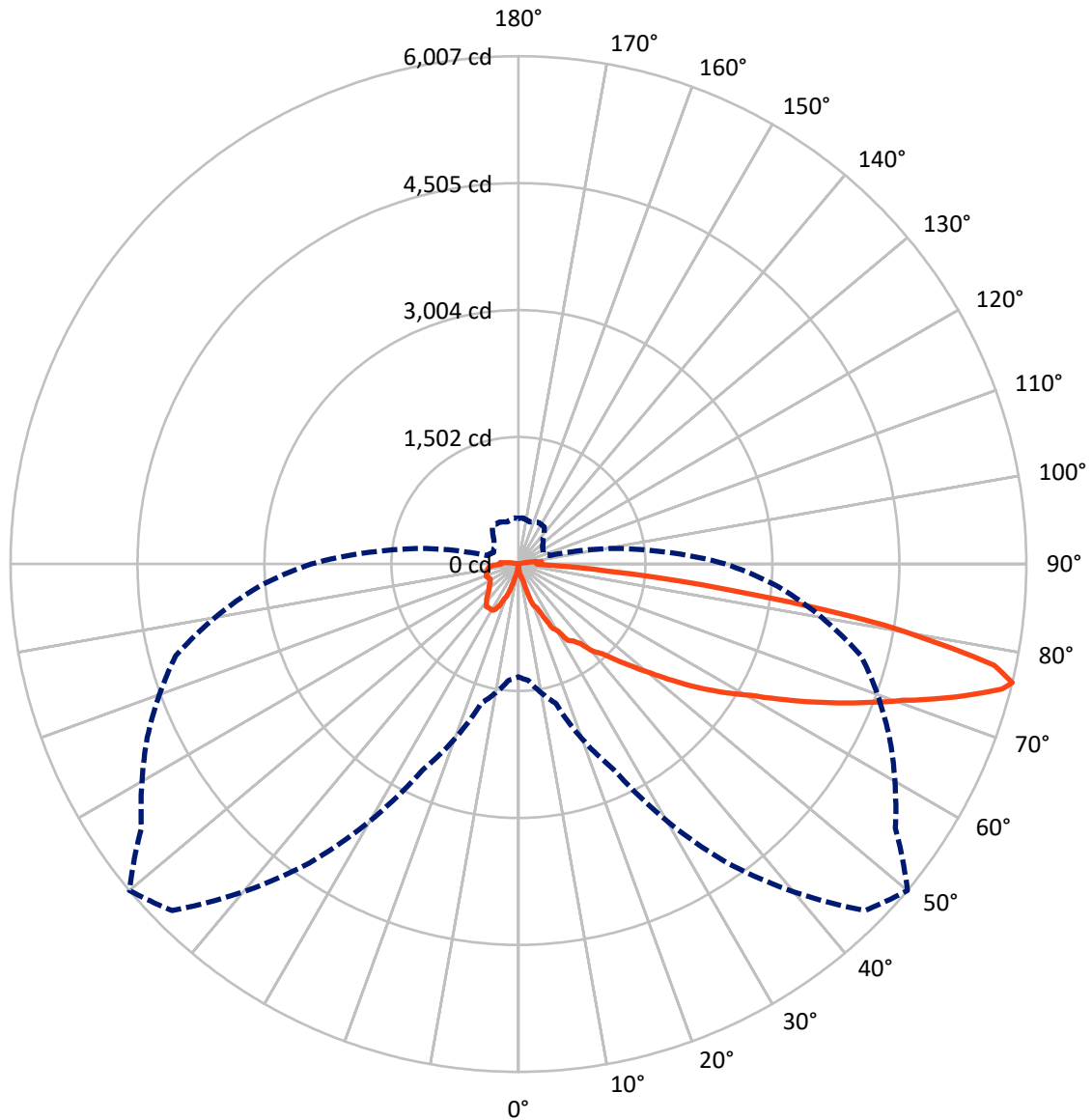
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical

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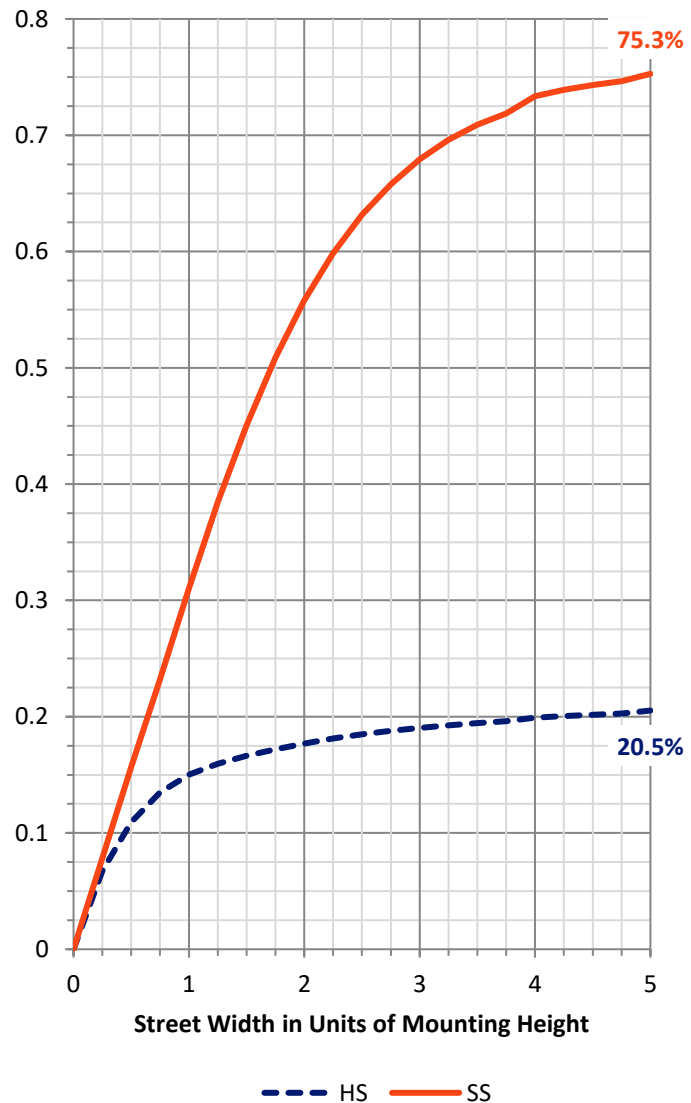
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2117.3	119.3	2236.6
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	7368.7	95.8	7464.4
	% Fixture	76.0	1.0	76.9
Total	Lumens	9485.9	215.1	9701.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	80.9	0.8
20°-30°	316.5	3.3
30°-40°	681.2	7.0
40°-50°	1109.8	11.4
50°-60°	1786.6	18.4
60°-70°	2602.4	26.8
70°-80°	2321.7	23.9
80°-90°	581.5	6.0
90°-100°	170.3	1.8
100°-110°	25.2	0.3
110°-120°	7.2	0.1
120°-130°	5.0	0.1
130°-140°	3.3	0.0
140°-150°	2.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9485.9	97.8
0°-180°	9701.0	100.0



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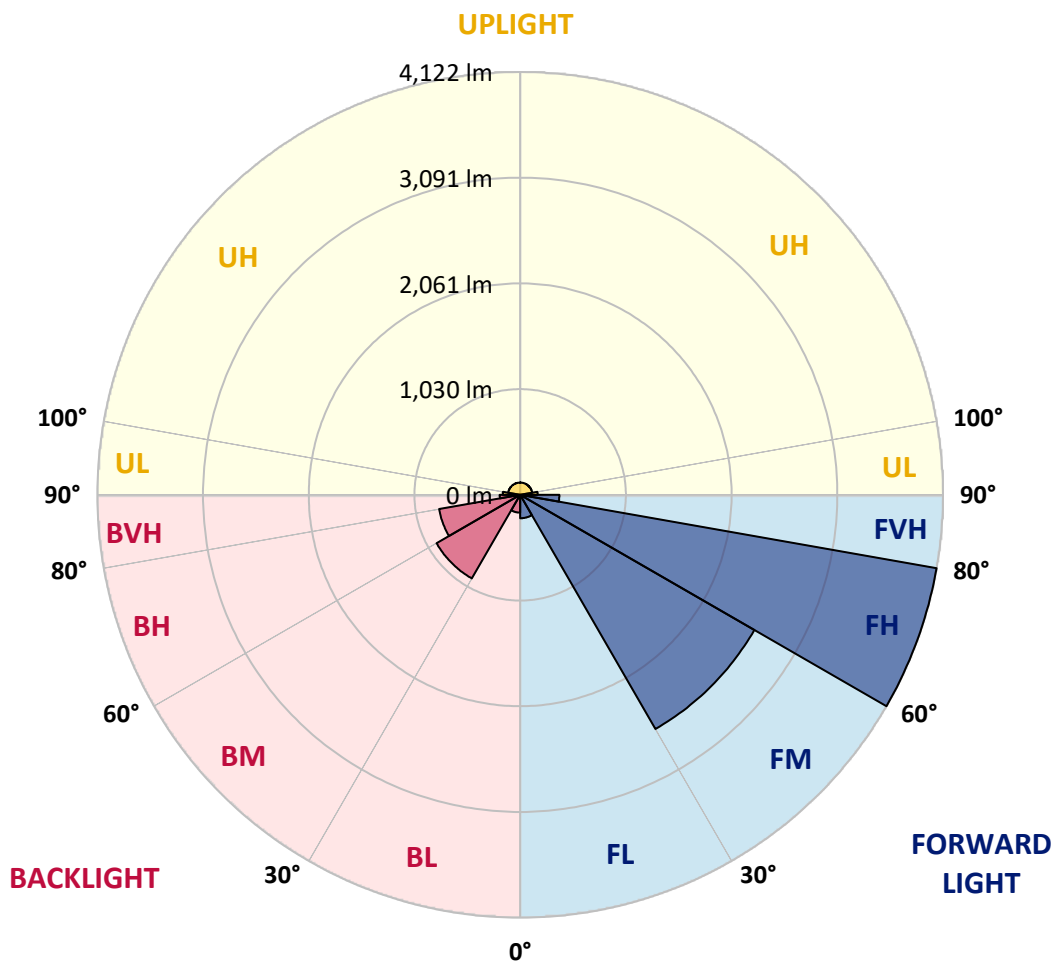
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T4W-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.7	2.4			
FM (30°-60°)	2636.1	27.2			
FH (60°-80°)	4122.0	42.5			G2/5000
FVH (80°-90°)	381.9	3.9			G3/500
BL (0°-30°)	174.0	1.8	B1/500		
BM (30°-60°)	941.4	9.7	B1/1000		
BH (60°-80°)	802.1	8.3	B2/1000		G2/1000
BVH (80°-90°)	199.7	2.1			G2/225
UL (90°-100°)	170.3	1.8		U3/500	
UH (100°-180°)	119.3	1.2		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	14.0	10.8	9.7	8.6	8.6	7.5	7.5	6.5	6.5	6.5	6.5
5°	135.8	131.5	121.8	113.2	38.8	32.3	27.0	20.5	7.5	7.5	6.5
7.5°	162.8	159.6	153.1	148.8	142.3	132.6	121.8	57.1	22.6	8.6	7.5
10°	213.5	197.3	184.4	173.6	166.0	149.9	145.5	136.9	37.7	16.2	11.9
12.5°	381.7	373.0	360.1	244.7	201.6	172.5	166.0	158.5	122.9	58.2	104.6
15°	420.5	411.8	398.9	382.7	359.0	212.4	199.5	248.0	317.0	238.3	249.0
17.5°	493.8	489.5	455.0	416.2	392.4	417.2	418.3	379.5	360.1	314.8	286.8
20°	684.6	680.3	660.9	561.7	444.2	527.2	525.0	505.6	404.3	464.7	500.3
22.5°	712.6	707.3	690.0	663.0	702.9	577.9	563.9	563.9	596.2	631.8	588.7
25°	938.0	932.6	801.0	697.5	753.6	687.8	690.0	763.3	659.8	693.2	662.0
27.5°	980.0	972.5	961.7	892.7	793.5	871.1	859.3	819.4	858.2	957.4	924.0
30°	1143.9	1060.9	1025.3	985.4	936.9	922.9	917.5	989.7	1017.8	1011.3	1021.0
32.5°	1327.2	1323.9	1289.4	1051.2	1059.8	991.9	1079.2	1111.6	1068.4	1228.0	1330.4
35°	1594.6	1484.6	1417.7	1259.3	1102.9	1147.1	1116.9	1150.4	1298.1	1313.2	1411.3
37.5°	2004.2	1997.8	1844.7	1389.7	1272.2	1174.1	1195.6	1288.4	1385.4	1407.0	1539.6
40°	2342.8	2311.5	2214.5	1732.6	1383.2	1270.0	1356.3	1335.8	1438.2	1513.7	1640.9
42.5°	2594.0	2623.1	2568.1	2005.3	1606.4	1422.1	1447.9	1421.0	1515.8	1657.1	1786.5
45°	2834.4	2822.5	2860.3	2282.4	1821.0	1617.2	1615.0	1549.3	1658.2	1816.6	1987.0
47.5°	3030.6	3013.4	3052.2	2583.2	2067.9	1794.0	1809.1	1723.9	1828.5	2016.1	2284.6
50°	3249.5	3216.1	3241.9	2835.5	2390.2	2049.5	2029.0	1963.3	2022.6	2278.1	2647.9
52.5°	3512.5	3488.8	3442.5	3086.7	2722.3	2312.6	2286.7	2223.1	2287.8	2603.7	3050.0
55°	3748.7	3721.7	3684.0	3432.8	2998.3	2580.0	2581.0	2517.4	2643.6	2959.5	3516.9
57.5°	3994.5	3981.5	4000.9	3819.8	3392.9	2859.2	2865.7	2826.9	3053.3	3324.9	4011.7
60°	4198.2	4178.8	4286.6	4215.5	3743.3	3178.3	3152.4	3194.5	3471.6	3706.6	4513.0
62.5°	4275.9	4288.8	4492.6	4579.9	4082.9	3522.2	3531.9	3589.1	3858.6	4163.7	4996.0
65°	3911.5	3956.7	4526.0	4643.5	4461.3	3903.9	3950.3	3940.6	4255.4	4500.1	5403.6
67.5°	3515.8	3567.5	4186.4	4659.7	4754.5	4352.4	4376.1	4280.2	4597.1	4710.3	5707.6
70°	3235.5	3275.4	3784.2	4568.0	4934.6	4820.3	4831.1	4653.2	4845.1	4957.2	5696.8
72.5°	2750.3	2792.4	3262.4	4222.0	5046.7	5387.4	5387.4	4995.0	5045.6	4951.8	5030.5
75°	1858.7	1874.9	2259.8	3277.5	4756.7	5849.9	5906.0	5368.0	4976.6	4498.0	3751.9
76°	1334.7	1384.3	1706.7	2691.0	4320.1	5797.1	6007.3	5443.5	4841.9	4197.2	3087.8
77.5°	707.3	752.5	1007.0	1722.8	3503.9	5390.6	5754.0	5211.7	4414.9	3603.1	2283.5
80°	277.1	273.8	346.1	613.5	1774.6	4100.1	4403.1	3841.4	2986.4	2087.3	1084.6
82.5°	152.0	167.1	219.9	324.5	769.8	2261.9	2487.2	2026.9	1524.5	962.8	633.9
85°	97.0	99.2	129.4	200.5	475.5	953.1	1046.9	867.9	713.7	590.8	450.7
87.5°	58.2	60.4	67.9	92.7	235.0	280.3	306.2	360.1	409.7	406.5	389.2
90°	39.9	39.9	33.4	36.7	110.0	224.3	215.6	229.6	209.2	265.2	375.2
92.5°	38.8	38.8	32.3	33.4	93.8	249.0	250.1	249.0	221.0	270.6	394.6
95°	34.5	35.6	28.0	29.1	69.0	232.9	273.8	265.2	223.2	272.8	393.5
97.5°	29.1	30.2	21.6	24.8	46.4	157.4	203.8	208.1	139.1	138.0	177.9
100°	21.6	22.6	15.1	19.4	28.0	72.2	108.9	102.4	69.0	37.7	24.8
102.5°	20.5	21.6	12.9	15.1	17.3	24.8	39.9	30.2	25.9	21.6	21.6
105°	22.6	22.6	11.9	10.8	10.8	11.9	9.7	14.0	15.1	16.2	22.6
107.5°	19.4	20.5	8.6	8.6	7.5	7.5	6.5	6.5	8.6	14.0	24.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	15.1	15.1	7.5	7.5	5.4	6.5	6.5	5.4	7.5	10.8	19.4
112.5°	8.6	9.7	4.3	6.5	4.3	5.4	5.4	4.3	6.5	7.5	10.8
115°	8.6	8.6	4.3	3.2	3.2	3.2	4.3	4.3	5.4	7.5	11.9
117.5°	8.6	8.6	4.3	3.2	2.2	3.2	3.2	3.2	5.4	7.5	11.9
120°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	3.2	5.4	7.5	11.9
122.5°	9.7	8.6	4.3	2.2	2.2	2.2	2.2	3.2	5.4	7.5	10.8
125°	9.7	8.6	4.3	2.2	2.2	2.2	2.2	3.2	4.3	6.5	9.7
127.5°	9.7	8.6	4.3	2.2	2.2	2.2	2.2	3.2	4.3	6.5	8.6
130°	8.6	8.6	4.3	2.2	2.2	2.2	2.2	3.2	4.3	6.5	8.6
132.5°	8.6	7.5	4.3	2.2	2.2	2.2	2.2	3.2	4.3	5.4	7.5
135°	7.5	6.5	4.3	2.2	3.2	2.2	3.2	3.2	4.3	5.4	6.5
137.5°	6.5	6.5	4.3	3.2	3.2	3.2	3.2	3.2	4.3	5.4	5.4
140°	7.5	6.5	4.3	4.3	3.2	3.2	3.2	3.2	4.3	5.4	5.4
142.5°	8.6	7.5	5.4	4.3	4.3	3.2	3.2	4.3	4.3	5.4	5.4
145°	8.6	8.6	6.5	5.4	3.2	3.2	3.2	4.3	5.4	5.4	6.5
147.5°	9.7	8.6	6.5	5.4	3.2	2.2	3.2	3.2	5.4	6.5	6.5
150°	8.6	8.6	5.4	4.3	2.2	1.1	2.2	3.2	5.4	6.5	6.5
152.5°	6.5	6.5	4.3	2.2	1.1	1.1	2.2	3.2	4.3	5.4	6.5
155°	4.3	4.3	2.2	1.1	0.0	1.1	1.1	2.2	3.2	4.3	5.4
157.5°	2.2	2.2	1.1	0.0	0.0	1.1	1.1	2.2	3.2	4.3	4.3
160°	1.1	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2	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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	6.5	5.4	5.4	4.3	4.3	3.2	3.2	3.2	3.2	4.3	5.4
5°	6.5	6.5	5.4	5.4	5.4	4.3	4.3	6.5	7.5	8.6	8.6
7.5°	6.5	6.5	6.5	5.4	6.5	8.6	34.5	99.2	108.9	115.4	117.5
10°	11.9	10.8	9.7	8.6	16.2	110.0	135.8	147.7	153.1	158.5	158.5
12.5°	113.2	113.2	46.4	25.9	111.0	147.7	155.3	163.9	171.4	179.0	180.0
15°	245.8	242.6	234.0	214.5	185.4	167.1	174.7	258.8	304.0	324.5	321.3
17.5°	281.4	277.1	271.7	309.4	322.4	257.7	300.8	334.2	343.9	354.7	353.6
20°	521.8	516.4	402.1	360.1	352.5	432.3	343.9	351.5	368.7	470.1	473.3
22.5°	584.3	577.9	538.0	548.8	411.8	469.0	453.9	475.5	530.4	546.6	548.8
25°	684.6	658.7	610.2	573.6	583.3	489.5	564.9	529.4	549.8	569.3	572.5
27.5°	947.7	932.6	846.3	642.6	595.1	612.4	588.7	575.7	687.8	728.8	732.0
30°	1021.0	1005.9	898.1	743.9	627.5	627.5	593.0	718.0	723.4	745.0	750.4
32.5°	1387.6	1357.4	1141.7	755.8	651.2	599.4	671.7	707.3	793.5	858.2	869.0
35°	1472.7	1446.8	1178.4	863.6	629.6	624.2	633.9	745.0	808.6	847.4	856.0
37.5°	1561.1	1532.0	1174.1	822.6	667.4	595.1	616.7	696.5	788.1	888.4	901.3
40°	1681.9	1646.3	1179.5	769.8	625.3	562.8	579.0	668.4	731.0	793.5	804.3
42.5°	1843.6	1772.4	1189.2	722.3	576.8	548.8	552.0	603.8	632.9	658.7	658.7
45°	2061.4	1946.0	1192.4	672.8	528.3	516.4	520.7	544.5	555.2	539.1	531.5
47.5°	2353.6	2160.6	1232.3	628.5	487.3	480.8	484.1	491.6	486.2	444.2	436.6
50°	2694.2	2412.9	1253.9	589.7	457.1	456.0	450.7	450.7	431.3	383.8	380.6
52.5°	3070.5	2713.7	1272.2	542.3	435.6	441.0	441.0	418.3	389.2	351.5	348.2
55°	3548.1	3060.8	1299.1	501.3	417.2	416.2	428.0	400.0	369.8	337.5	337.5
57.5°	4022.5	3428.4	1331.5	465.8	396.8	398.9	416.2	393.5	377.3	364.4	363.3
60°	4496.9	3808.0	1279.7	433.4	389.2	384.9	412.9	418.3	398.9	406.5	414.0
62.5°	4942.1	4050.5	1071.7	405.4	375.2	381.7	441.0	474.4	467.9	460.4	462.5
65°	5152.4	4100.1	869.0	380.6	365.5	404.3	486.2	536.9	515.3	490.5	488.4
67.5°	5188.0	3971.8	639.3	365.5	360.1	444.2	521.8	550.9	518.6	508.9	500.3
70°	4937.8	3646.2	511.0	349.3	364.4	450.7	544.5	547.7	524.0	534.8	524.0
72.5°	4199.3	3037.1	447.4	334.2	365.5	434.5	544.5	548.8	521.8	553.1	547.7
75°	3006.9	2129.3	397.8	321.3	353.6	416.2	536.9	547.7	515.3	549.8	541.2
76°	2449.5	1689.4	383.8	324.5	348.2	409.7	534.8	544.5	516.4	547.7	539.1
77.5°	1618.3	1104.0	360.1	322.4	338.5	406.5	529.4	540.1	515.3	541.2	532.6
80°	865.7	625.3	324.5	300.8	326.7	408.6	525.0	529.4	494.9	524.0	513.2
82.5°	570.3	465.8	280.3	272.8	314.8	411.8	522.9	516.4	477.6	524.0	494.9
85°	447.4	384.9	210.2	218.9	286.8	397.8	516.4	498.1	462.5	475.5	458.2
87.5°	379.5	317.0	126.1	156.3	251.2	338.5	458.2	411.8	391.4	404.3	396.8
90°	356.9	280.3	71.2	110.0	188.7	225.3	288.9	268.5	259.8	274.9	271.7
92.5°	360.1	273.8	70.1	104.6	201.6	242.6	298.6	274.9	249.0	249.0	245.8
95°	343.9	255.5	69.0	83.0	182.2	236.1	280.3	246.9	200.5	190.8	187.6
97.5°	149.9	124.0	64.7	63.6	104.6	162.8	203.8	176.8	132.6	103.5	103.5
100°	24.8	39.9	56.1	61.5	61.5	86.3	115.4	108.9	63.6	33.4	34.5
102.5°	25.9	22.6	38.8	50.7	39.9	35.6	52.8	65.8	42.0	12.9	14.0
105°	27.0	23.7	19.4	35.6	22.6	11.9	16.2	30.2	19.4	12.9	12.9
107.5°	29.1	24.8	11.9	12.9	9.7	9.7	8.6	7.5	9.7	12.9	14.0



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T4W-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.6	20.5	10.8	9.7	8.6	9.7	6.5	6.5	7.5	12.9	14.0
112.5°	12.9	12.9	9.7	7.5	7.5	8.6	5.4	5.4	7.5	14.0	14.0
115°	12.9	12.9	8.6	6.5	5.4	6.5	5.4	4.3	7.5	14.0	15.1
117.5°	12.9	12.9	8.6	6.5	5.4	4.3	4.3	4.3	7.5	14.0	15.1
120°	12.9	11.9	7.5	5.4	5.4	3.2	3.2	3.2	6.5	14.0	15.1
122.5°	11.9	11.9	7.5	5.4	4.3	3.2	3.2	3.2	6.5	12.9	14.0
125°	10.8	10.8	7.5	5.4	4.3	3.2	2.2	3.2	6.5	11.9	12.9
127.5°	9.7	9.7	6.5	5.4	4.3	3.2	2.2	3.2	6.5	11.9	12.9
130°	8.6	8.6	6.5	4.3	4.3	2.2	2.2	2.2	6.5	10.8	11.9
132.5°	7.5	7.5	5.4	4.3	3.2	2.2	1.1	2.2	5.4	9.7	9.7
135°	6.5	6.5	5.4	4.3	3.2	2.2	1.1	2.2	4.3	7.5	8.6
137.5°	5.4	5.4	4.3	4.3	3.2	2.2	1.1	2.2	3.2	6.5	6.5
140°	5.4	5.4	4.3	4.3	3.2	2.2	1.1	2.2	3.2	5.4	6.5
142.5°	5.4	5.4	4.3	4.3	3.2	2.2	1.1	2.2	3.2	5.4	6.5
145°	6.5	5.4	5.4	4.3	3.2	2.2	1.1	2.2	4.3	6.5	6.5
147.5°	6.5	6.5	5.4	4.3	3.2	2.2	1.1	2.2	4.3	6.5	6.5
150°	6.5	6.5	5.4	4.3	3.2	1.1	0.0	1.1	3.2	5.4	6.5
152.5°	6.5	5.4	4.3	3.2	2.2	1.1	0.0	0.0	2.2	4.3	4.3
155°	5.4	4.3	4.3	3.2	2.2	1.1	0.0	0.0	1.1	2.2	2.2
157.5°	4.3	4.3	3.2	2.2	1.1	1.1	0.0	0.0	0.0	1.1	1.1
160°	3.2	3.2	2.2	2.2	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)