

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: P417229

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
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-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9349 lumens
Efficiency: N/A
Efficacy: 99.5 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

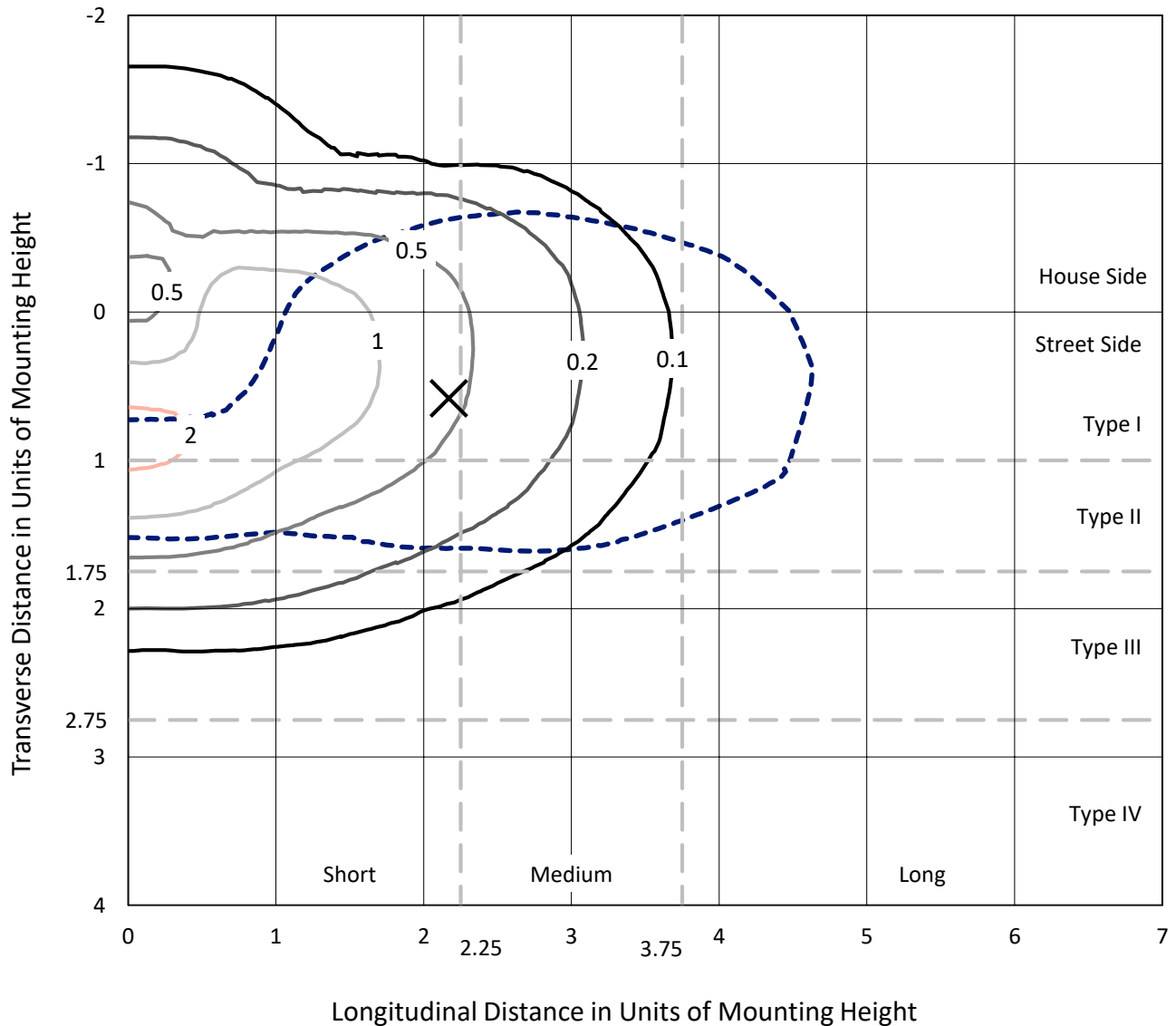
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

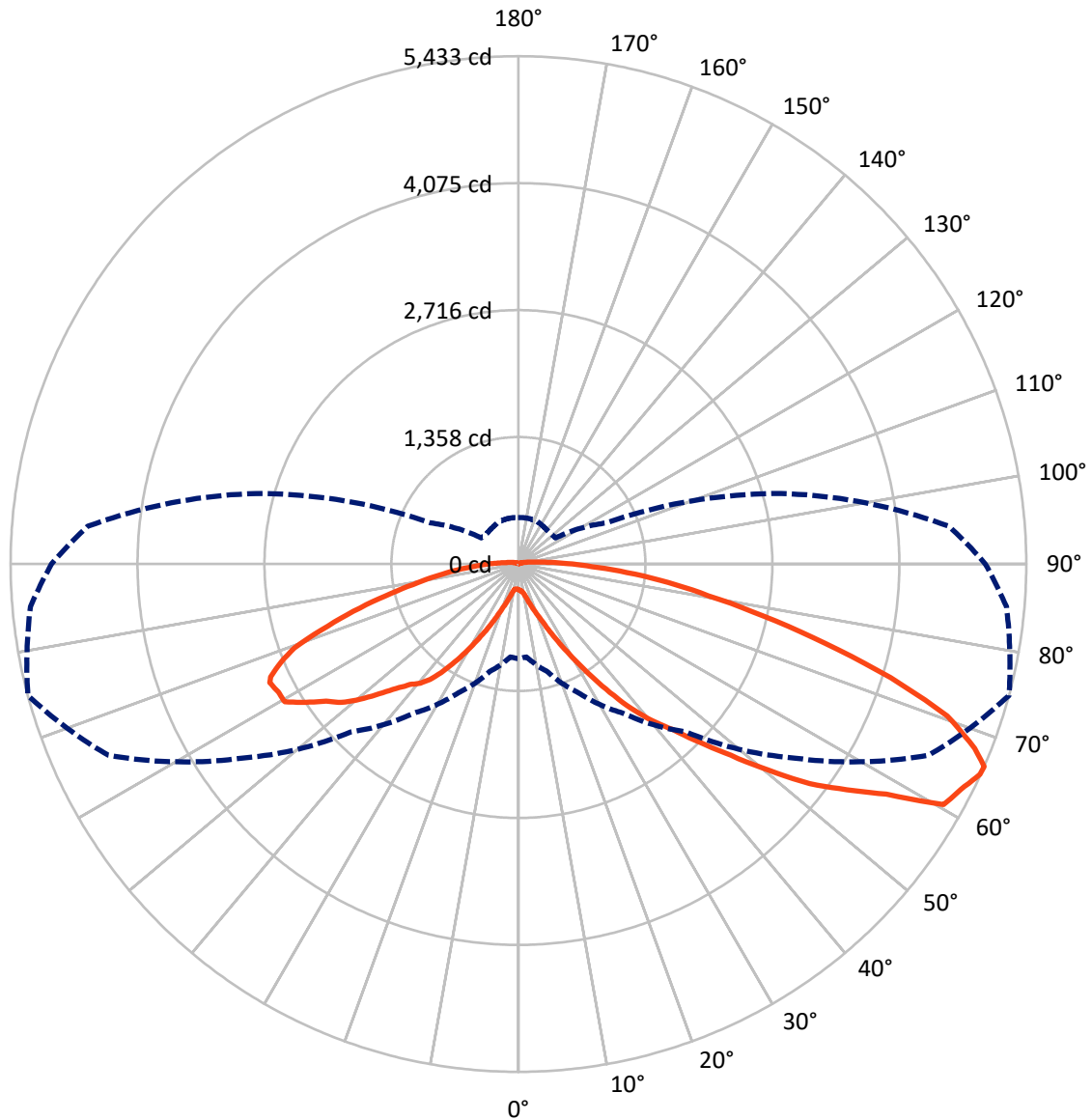
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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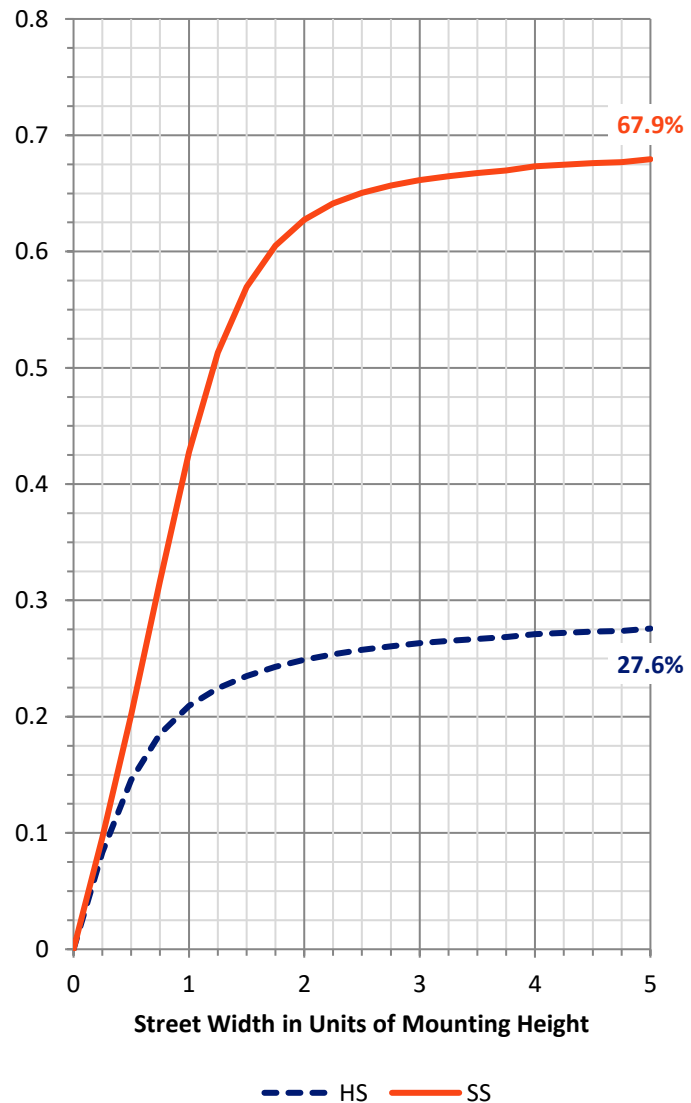
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2655.3	129.7	2785.0
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	6435.8	128.2	6564.0
	% Fixture	68.8	1.4	70.2
Total	Lumens	9091.2	257.9	9349.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.3
10°-20°	117.4	1.3
20°-30°	356.3	3.8
30°-40°	881.3	9.4
40°-50°	1591.5	17.0
50°-60°	2150.4	23.0
60°-70°	2158.6	23.1
70°-80°	1303.7	13.9
80°-90°	504.0	5.4
90°-100°	149.7	1.6
100°-110°	54.0	0.6
110°-120°	26.2	0.3
120°-130°	15.5	0.2
130°-140°	9.2	0.1
140°-150°	3.0	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9091.2	97.2
0°-180°	9349.0	100.0



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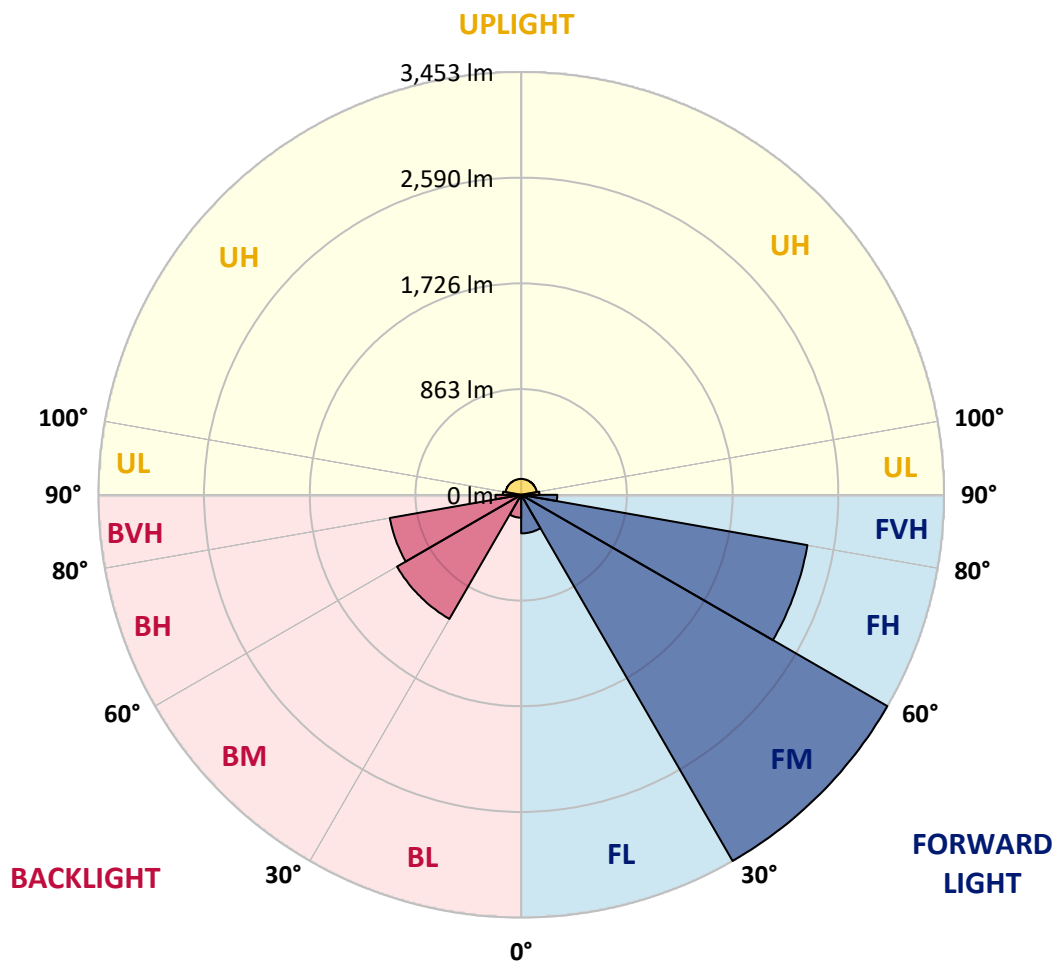
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.0	3.4			
FM (30°-60°)	3452.7	36.9			
FH (60°-80°)	2373.8	25.4			G2/5000
FVH (80°-90°)	294.4	3.1			G3/500
BL (0°-30°)	186.6	2.0	B1/500		
BM (30°-60°)	1170.5	12.5	B2/2500		
BH (60°-80°)	1088.6	11.6	B3/2500		G3/2500
BVH (80°-90°)	209.6	2.2			G2/225
UL (90°-100°)	149.7	1.6		U3/500	
UH (100°-180°)	129.7	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°	75°	76°	85°
0°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	304.0	301.9	299.7	297.6	295.4	293.3	288.9	283.6	279.2	279.2	274.9
5°	332.1	329.9	326.7	322.4	318.1	313.7	305.1	296.5	287.9	287.9	280.3
7.5°	366.6	365.5	361.2	355.8	346.1	336.4	325.6	312.7	300.8	299.7	290.0
10°	410.8	408.6	402.1	394.6	383.8	370.9	355.8	339.6	322.4	321.3	309.4
12.5°	472.2	467.9	457.1	445.3	424.8	411.9	394.6	379.5	366.6	363.3	347.2
15°	552.0	546.6	534.8	514.3	487.3	463.6	453.9	437.7	423.7	419.4	404.3
17.5°	654.4	649.0	628.6	596.2	568.2	544.5	522.9	506.7	494.9	493.8	472.2
20°	794.6	781.7	748.2	703.0	666.3	637.2	607.0	588.7	576.8	572.5	559.6
22.5°	967.1	963.9	916.4	857.1	796.7	743.9	710.5	690.0	681.4	682.5	674.9
25°	1187.0	1177.3	1132.1	1045.8	955.2	888.4	842.0	829.1	828.0	820.5	817.2
27.5°	1422.1	1409.1	1349.8	1266.8	1147.1	1056.6	1004.8	990.8	994.1	985.4	991.9
30°	1709.9	1703.5	1617.2	1496.5	1367.1	1248.5	1194.6	1182.7	1190.3	1201.1	1194.6
32.5°	2065.7	2075.4	1957.9	1795.1	1614.0	1477.1	1417.8	1413.4	1424.2	1422.1	1418.8
35°	2499.1	2516.4	2353.6	2156.3	1907.2	1744.4	1670.0	1664.7	1686.2	1684.1	1686.2
37.5°	2962.7	2970.3	2837.7	2525.0	2235.0	2009.7	1948.2	1941.7	1962.2	1950.4	1938.5
40°	3328.2	3363.8	3208.6	2940.1	2561.7	2332.0	2257.6	2222.1	2203.7	2190.8	2104.5
42.5°	3674.3	3652.8	3542.8	3244.1	2897.0	2646.8	2547.7	2480.8	2421.5	2412.9	2318.0
45°	3900.7	3873.8	3769.2	3493.2	3167.6	2960.6	2868.9	2788.1	2721.2	2691.1	2576.8
47.5°	3913.7	3900.7	3875.9	3668.9	3384.3	3204.2	3174.1	3130.9	3057.6	3058.7	2912.1
50°	3716.4	3695.9	3768.1	3689.4	3492.1	3397.2	3511.5	3559.0	3465.2	3455.5	3303.4
52.5°	3367.0	3356.3	3487.8	3565.4	3495.3	3532.0	3803.7	3976.2	3902.9	3864.1	3667.9
55°	3013.4	3026.4	3140.6	3265.7	3381.1	3570.8	4062.5	4406.4	4261.9	4236.0	3991.3
57.5°	2531.5	2574.6	2745.0	2941.2	3122.3	3516.9	4198.3	4679.2	4642.5	4632.8	4423.6
60°	2003.2	1998.9	2251.2	2536.9	2834.4	3339.0	4205.8	5022.0	5225.8	5179.4	4884.0
62.5°	1555.8	1566.5	1747.7	2105.6	2504.5	3068.4	4102.3	5175.1	5310.9	5258.1	5000.4
65°	1126.7	1143.9	1364.9	1653.9	2104.5	2702.9	3808.0	4967.0	5426.3	5394.0	5248.4
66°	1012.4	997.3	1191.4	1519.1	1947.1	2541.2	3622.6	4840.9	5432.8	5414.4	5240.9
67.5°	814.0	833.4	983.3	1269.0	1693.8	2283.5	3287.3	4639.3	5264.6	5239.8	5123.3
70°	602.7	621.0	723.4	952.0	1285.1	1821.0	2718.0	4007.5	4867.8	4886.2	4873.2
72.5°	446.4	465.8	535.8	700.8	950.9	1354.2	2154.1	3377.8	4162.7	4205.8	4175.7
75°	347.2	354.7	412.9	528.3	695.4	954.2	1593.5	2617.7	3388.6	3468.4	3496.4
77.5°	279.2	285.7	333.1	407.5	520.7	696.5	1117.0	1951.4	2682.4	2738.5	2791.3
80°	225.3	229.6	268.5	327.8	398.9	498.1	753.6	1417.8	2058.2	2090.5	2168.2
82.5°	181.1	184.4	212.4	263.1	319.1	378.4	535.8	989.7	1616.1	1646.3	1744.4
85°	142.3	144.5	169.3	209.2	256.6	299.7	387.1	699.7	1164.4	1192.4	1311.0
87.5°	112.1	114.3	133.7	162.8	207.0	237.2	285.7	471.1	786.0	825.9	960.6
90°	88.4	89.5	103.5	126.1	160.6	193.0	224.3	328.8	524.0	546.6	622.1
92.5°	66.8	67.9	78.7	96.0	125.1	153.1	171.4	227.5	335.3	345.0	398.9
95°	49.6	50.7	59.3	70.1	93.8	119.7	132.6	159.6	211.3	224.3	238.3
97.5°	38.8	39.9	45.3	51.8	69.0	93.8	105.7	117.5	144.5	148.8	159.6
100°	33.4	33.4	36.7	41.0	51.8	73.3	83.0	92.7	108.9	108.9	115.4
102.5°	28.0	28.0	30.2	32.3	42.0	58.2	66.8	73.3	81.9	83.0	88.4
105°	24.8	24.8	25.9	28.0	35.6	47.4	55.0	58.2	63.6	63.6	65.8
107.5°	21.6	21.6	22.6	23.7	31.3	39.9	44.2	45.3	47.4	47.4	50.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	20.5	20.5	20.5	21.6	27.0	34.5	36.7	35.6	36.7	36.7	39.9
112.5°	19.4	18.3	18.3	19.4	24.8	30.2	30.2	29.1	29.1	29.1	32.3
115°	18.3	18.3	17.3	18.3	22.6	25.9	25.9	23.7	23.7	23.7	27.0
117.5°	18.3	18.3	17.3	17.3	20.5	23.7	22.6	20.5	19.4	20.5	23.7
120°	18.3	18.3	16.2	16.2	19.4	20.5	20.5	17.3	17.3	17.3	20.5
122.5°	18.3	18.3	16.2	16.2	18.3	19.4	18.3	15.1	15.1	15.1	18.3
125°	19.4	18.3	16.2	16.2	17.3	17.3	16.2	14.0	12.9	12.9	16.2
127.5°	19.4	19.4	17.3	16.2	16.2	16.2	15.1	12.9	11.9	11.9	15.1
130°	21.6	20.5	18.3	16.2	15.1	14.0	12.9	11.9	11.9	11.9	14.0
132.5°	21.6	21.6	18.3	15.1	14.0	12.9	11.9	9.7	10.8	10.8	12.9
135°	20.5	19.4	16.2	14.0	12.9	10.8	9.7	8.6	9.7	9.7	11.9
137.5°	18.3	17.3	15.1	11.9	10.8	8.6	7.5	6.5	7.5	7.5	9.7
140°	15.1	15.1	11.9	9.7	8.6	7.5	6.5	4.3	5.4	6.5	7.5
142.5°	12.9	11.9	9.7	7.5	6.5	5.4	4.3	3.2	4.3	4.3	5.4
145°	10.8	9.7	7.5	5.4	4.3	3.2	2.2	2.2	2.2	2.2	3.2
147.5°	8.6	7.5	5.4	3.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2
150°	6.5	6.5	4.3	2.2	1.1	1.1	0.0	1.1	1.1	1.1	1.1
152.5°	5.4	5.4	3.2	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1
155°	3.2	3.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.1	0.0	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°	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0	276.0
2.5°	273.8	271.7	269.5	267.4	265.2	264.1	260.9	258.8	258.8	258.8	257.7
5°	277.1	272.8	267.4	263.1	257.7	253.4	250.1	246.9	244.7	244.7	244.7
7.5°	284.6	280.3	270.6	262.0	254.4	248.0	243.7	240.4	239.3	238.3	238.3
10°	301.9	294.3	281.4	268.5	257.7	249.1	244.7	242.6	241.5	241.5	241.5
12.5°	340.7	329.9	310.5	288.9	270.6	257.7	253.4	253.4	259.8	263.1	263.1
15°	392.4	382.7	360.1	329.9	300.8	279.2	276.0	283.6	292.2	296.5	295.4
17.5°	463.6	450.7	420.5	380.6	341.8	320.2	310.5	318.1	328.8	334.2	334.2
20°	547.7	534.8	493.8	439.9	392.4	368.7	353.6	353.6	367.6	372.0	374.1
22.5°	663.1	643.7	585.4	511.0	449.6	412.9	394.6	391.4	407.5	415.1	412.9
25°	792.4	777.3	709.4	598.4	518.6	459.3	434.5	434.5	455.0	472.2	473.3
27.5°	973.6	935.8	841.0	705.1	585.4	502.4	475.5	480.9	502.4	519.7	519.7
30°	1163.3	1136.4	997.3	818.3	650.1	542.3	503.5	512.1	531.5	550.9	550.9
32.5°	1393.0	1347.7	1176.3	930.4	709.4	568.2	518.6	530.4	553.1	572.5	572.5
35°	1617.2	1580.6	1356.3	1048.0	761.2	579.0	525.1	539.1	564.9	588.7	590.8
37.5°	1878.1	1798.3	1532.0	1153.6	798.9	581.1	522.9	547.7	582.2	609.2	610.2
40°	2034.5	1938.5	1650.6	1232.3	816.2	573.6	522.9	554.2	583.3	593.0	591.9
42.5°	2219.9	2099.1	1733.7	1242.0	794.6	558.5	521.8	546.6	559.6	559.6	558.5
45°	2469.0	2333.1	1865.2	1247.4	750.4	540.2	513.2	529.4	526.1	516.4	513.2
47.5°	2774.1	2609.1	2032.3	1266.8	707.3	521.8	503.5	507.8	492.7	471.1	470.1
50°	3138.5	2944.4	2228.5	1287.3	669.5	506.7	494.9	490.6	475.5	457.1	455.0
52.5°	3480.3	3246.3	2406.4	1301.3	638.3	497.0	488.4	487.3	472.2	448.5	446.4
55°	3789.7	3509.4	2526.1	1274.4	610.2	492.7	488.4	489.5	470.1	446.4	443.1
57.5°	4237.1	3929.8	2715.8	1234.5	576.8	491.6	491.6	492.7	469.0	446.4	443.1
60°	4626.3	4284.6	2902.4	1231.2	544.5	490.6	492.7	491.6	474.4	460.4	457.1
62.5°	4760.0	4434.4	2911.0	1153.6	524.0	485.2	488.4	493.8	490.6	484.1	480.9
65°	5012.3	4656.5	2947.7	1066.3	494.9	475.5	483.0	497.0	499.2	494.9	491.6
66°	4994.0	4625.2	2912.1	1039.3	485.2	470.1	479.8	494.9	499.2	498.1	495.9
67.5°	4903.4	4544.4	2794.6	962.8	471.1	460.4	474.4	489.5	499.2	502.4	500.3
70°	4658.7	4300.7	2560.6	847.4	444.2	437.7	457.1	476.5	492.7	498.1	497.0
72.5°	3969.7	3629.0	2142.3	723.4	406.5	405.4	428.0	451.7	471.1	476.5	474.4
75°	3332.5	2997.2	1759.5	596.2	367.6	368.7	390.3	412.9	428.0	428.0	429.1
77.5°	2671.6	2388.1	1394.0	494.9	327.8	327.8	342.9	361.2	370.9	366.6	360.1
80°	2054.9	1867.3	1088.9	414.0	287.9	285.7	293.3	307.3	314.8	305.1	297.6
82.5°	1659.3	1497.5	861.4	345.0	249.1	246.9	250.1	259.8	264.1	253.4	250.1
85°	1259.3	1113.7	648.0	283.6	215.6	210.2	215.6	217.8	223.2	213.5	207.0
87.5°	890.5	789.2	470.1	236.1	184.4	181.1	180.1	182.2	185.4	179.0	175.7
90°	598.4	525.1	339.6	197.3	157.4	152.0	149.9	149.9	152.0	141.2	138.0
92.5°	383.8	339.6	236.1	157.4	131.5	125.1	120.8	121.8	120.8	110.0	107.8
95°	239.3	216.7	170.3	124.0	105.7	100.3	96.0	94.9	93.8	86.3	84.1
97.5°	156.3	148.8	127.2	98.1	84.1	79.8	77.6	76.5	76.5	71.2	67.9
100°	116.4	113.2	100.3	81.9	69.0	65.8	63.6	63.6	65.8	61.5	59.3
102.5°	90.6	91.6	81.9	69.0	58.2	56.1	53.9	53.9	56.1	53.9	52.8
105°	69.0	69.0	66.8	57.1	49.6	48.5	46.4	46.4	48.5	48.5	48.5
107.5°	53.9	56.1	53.9	47.4	43.1	42.0	39.9	39.9	42.0	43.1	44.2



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	43.1	45.3	44.2	41.0	37.7	36.7	34.5	33.4	35.6	38.8	38.8
112.5°	34.5	36.7	36.7	34.5	32.3	32.3	30.2	29.1	31.3	34.5	34.5
115°	29.1	31.3	31.3	30.2	29.1	28.0	25.9	24.8	27.0	30.2	31.3
117.5°	24.8	27.0	27.0	27.0	25.9	24.8	22.6	21.6	22.6	25.9	27.0
120°	22.6	23.7	23.7	23.7	22.6	22.6	20.5	19.4	20.5	23.7	23.7
122.5°	19.4	20.5	21.6	21.6	20.5	20.5	18.3	16.2	17.3	20.5	21.6
125°	17.3	18.3	19.4	19.4	18.3	18.3	16.2	15.1	16.2	18.3	19.4
127.5°	16.2	17.3	17.3	17.3	17.3	16.2	14.0	12.9	14.0	17.3	17.3
130°	15.1	16.2	16.2	16.2	15.1	14.0	12.9	11.9	12.9	16.2	16.2
132.5°	14.0	15.1	15.1	14.0	14.0	12.9	10.8	9.7	11.9	14.0	14.0
135°	11.9	12.9	12.9	12.9	11.9	10.8	9.7	8.6	10.8	11.9	11.9
137.5°	9.7	10.8	10.8	10.8	9.7	8.6	7.5	7.5	8.6	10.8	10.8
140°	7.5	8.6	8.6	8.6	7.5	7.5	6.5	5.4	7.5	8.6	8.6
142.5°	5.4	6.5	6.5	6.5	5.4	5.4	4.3	4.3	6.5	7.5	7.5
145°	3.2	4.3	4.3	4.3	4.3	3.2	3.2	3.2	4.3	5.4	5.4
147.5°	2.2	3.2	3.2	3.2	3.2	2.2	1.1	2.2	3.2	4.3	4.3
150°	1.1	2.2	2.2	2.2	2.2	1.1	0.0	1.1	2.2	3.2	3.2
152.5°	1.1	1.1	2.2	2.2	1.1	1.1	0.0	0.0	1.1	1.1	1.1
155°	0.0	1.1	1.1	1.1	1.1	0.0	0.0	0.0	1.1	1.1	0.0
157.5°	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	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

(END OF REPORT)