

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: P417240

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)
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-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9169 lumens
Efficiency: N/A
Efficacy: 97.5 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 - G4

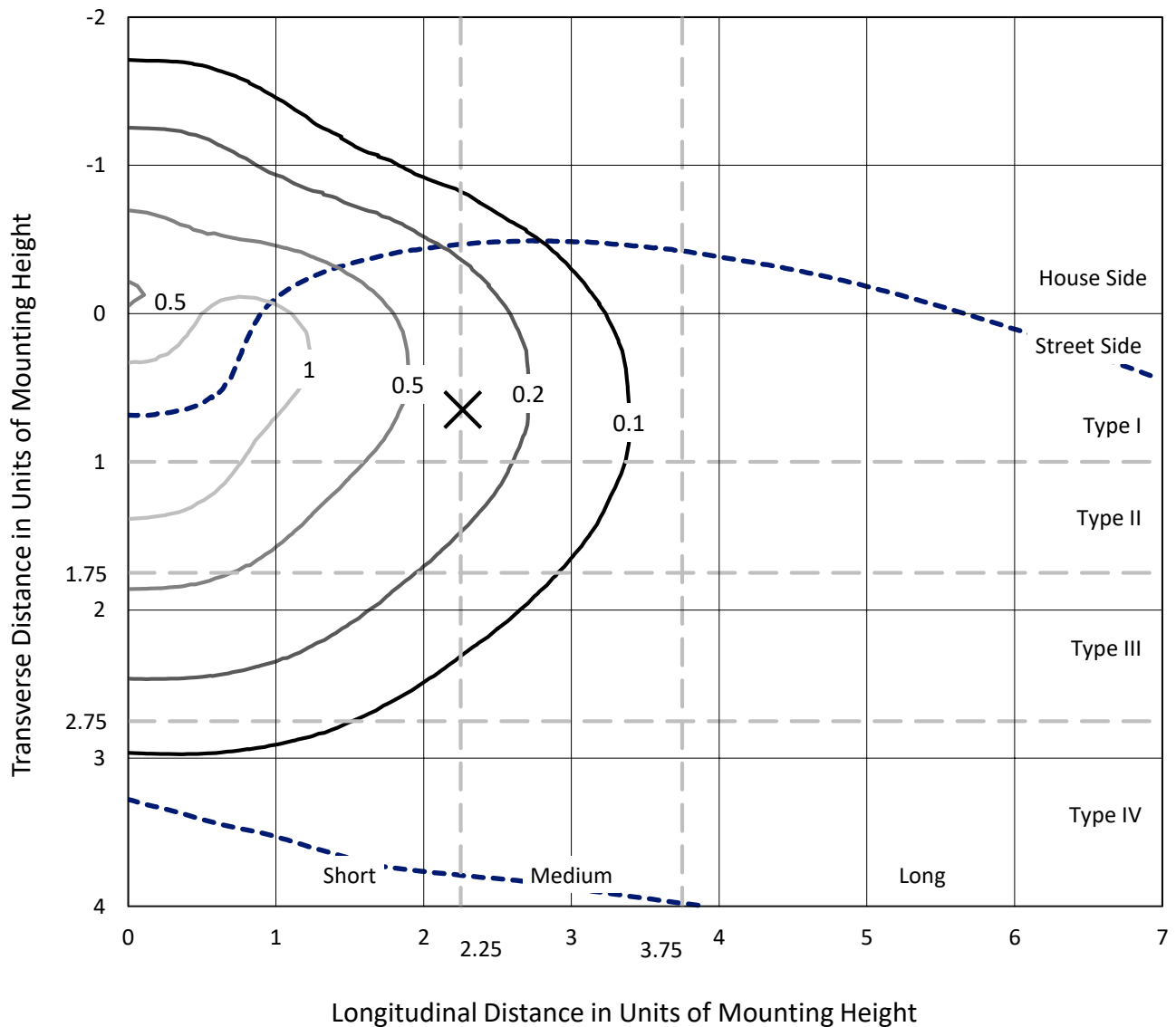
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

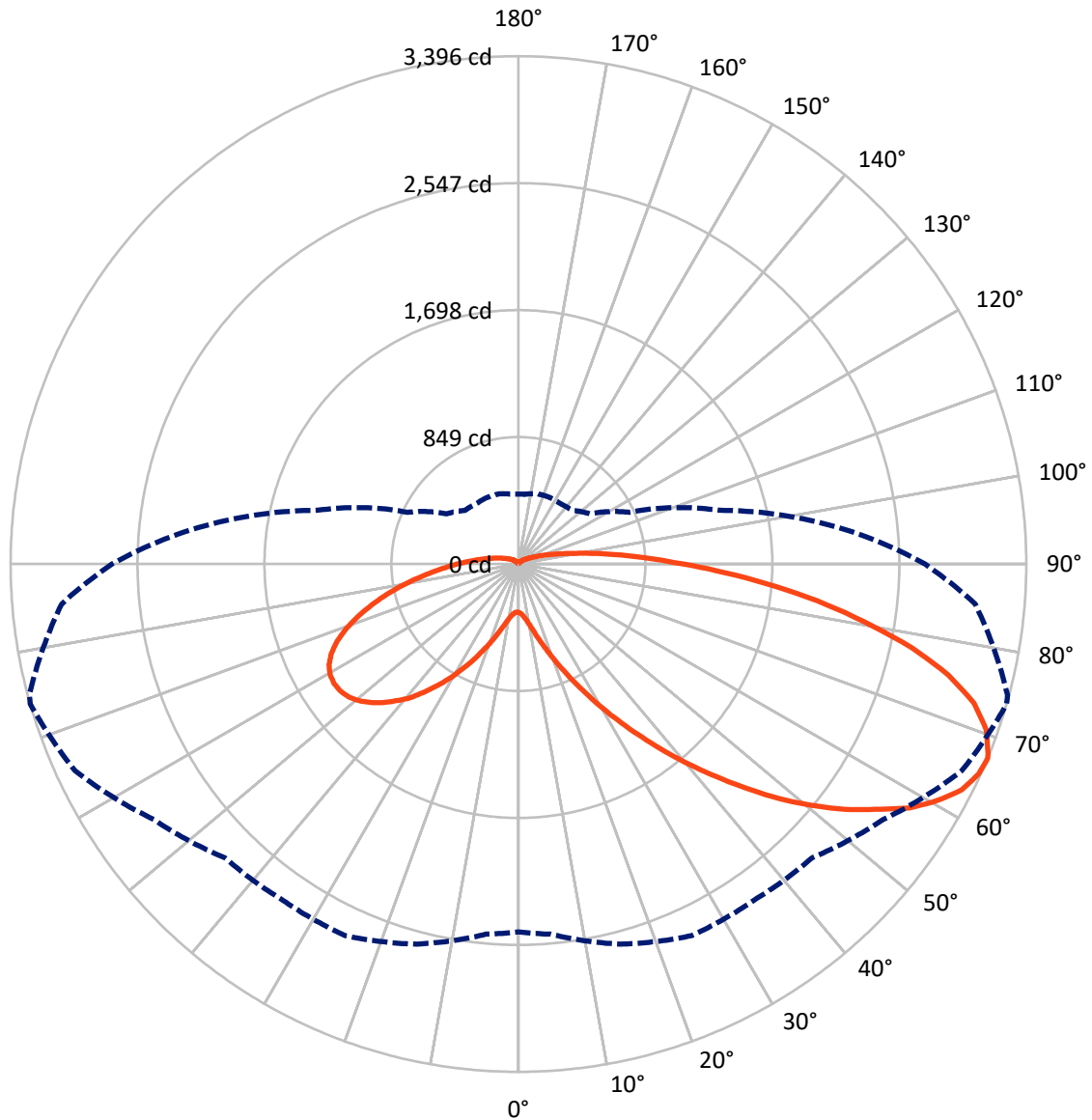
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical



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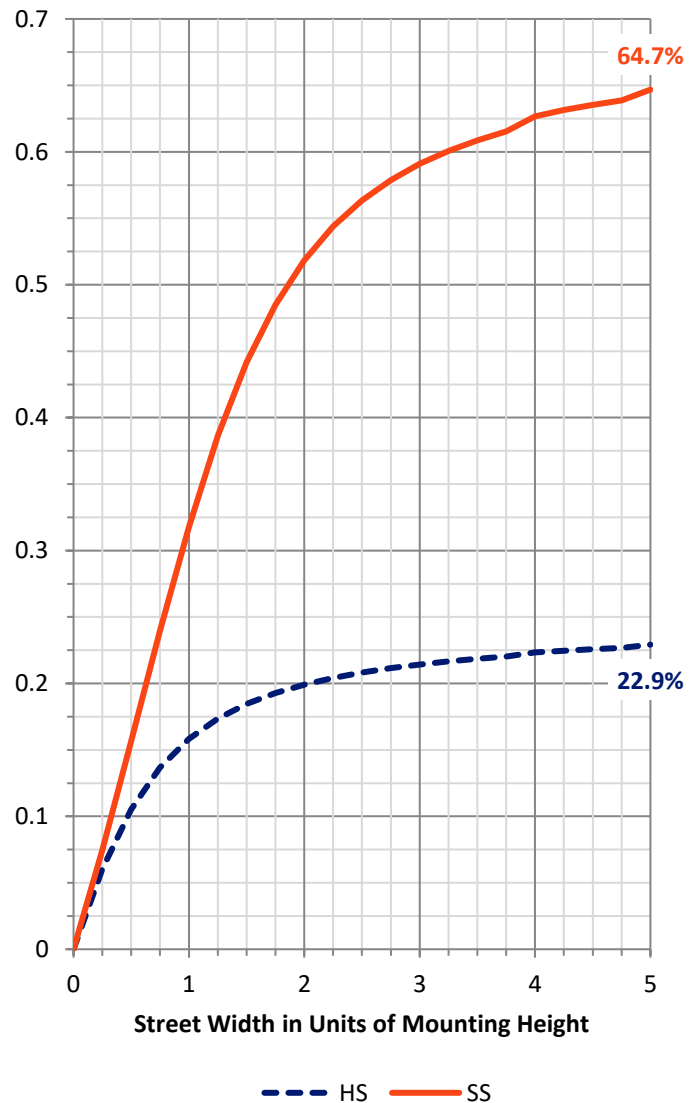
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2210.2	273.3	2483.6
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	6209.5	475.9	6685.4
	% Fixture	67.7	5.2	72.9
Total	Lumens	8419.7	749.3	9169.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.0	0.4
10°-20°	140.7	1.5
20°-30°	356.2	3.9
30°-40°	714.6	7.8
40°-50°	1199.6	13.1
50°-60°	1683.0	18.4
60°-70°	1881.0	20.5
70°-80°	1534.6	16.7
80°-90°	876.0	9.6
90°-100°	400.4	4.4
100°-110°	183.2	2.0
110°-120°	90.3	1.0
120°-130°	45.9	0.5
130°-140°	21.3	0.2
140°-150°	7.0	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8419.7	91.8
0°-180°	9169.0	100.0

Coefficient of Utilization



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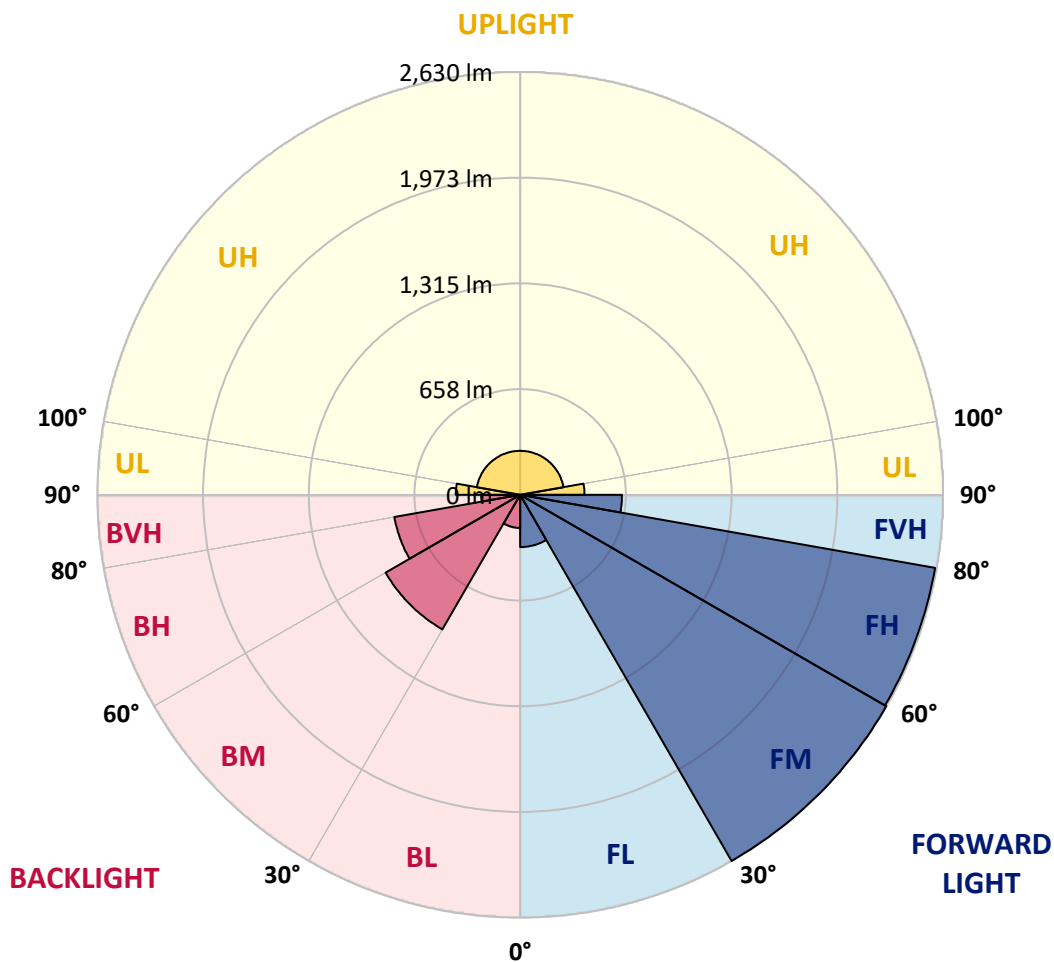
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.9	3.5			
FM	(30°-60°)	2630.3	28.7			
FH	(60°-80°)	2620.9	28.6			G2/5000
FVH	(80°-90°)	633.4	6.9			G4/750
BL	(0°-30°)	206.0	2.2	B1/500		
BM	(30°-60°)	966.9	10.5	B1/1000		
BH	(60°-80°)	794.7	8.7	B2/1000		G2/1000
BVH	(80°-90°)	242.6	2.6			G3/500
UL	(90°-100°)	400.4	4.4		U3/500	
UH	(100°-180°)	273.3	3.0		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°	74°	75°	85°
0°	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4
2.5°	351.5	349.3	349.3	347.2	346.1	341.8	338.5	334.2	332.1	331.0	327.8
5°	383.8	380.6	380.6	378.4	374.1	368.7	361.2	356.9	349.3	350.4	340.7
7.5°	422.6	421.6	419.4	415.1	409.7	403.2	395.7	386.0	377.4	377.4	365.5
10°	474.4	467.9	467.9	462.5	457.1	447.4	436.6	425.9	414.0	412.9	396.8
12.5°	536.9	535.8	529.4	521.8	513.2	503.5	486.2	475.5	463.6	462.5	445.3
15°	610.2	607.0	598.4	595.1	582.2	564.9	550.9	540.2	528.3	524.0	501.3
17.5°	696.5	692.2	688.9	672.8	662.0	648.0	631.8	617.8	597.3	595.1	570.3
20°	797.8	788.1	778.4	765.5	748.2	735.3	718.0	705.1	681.4	681.4	648.0
22.5°	904.6	902.4	893.8	872.2	848.5	835.6	819.4	793.5	774.1	768.7	732.1
25°	1033.9	1031.8	1014.5	991.9	967.1	947.7	921.8	893.8	877.6	876.5	835.6
27.5°	1180.6	1183.8	1153.6	1124.5	1091.1	1059.8	1031.8	1017.8	996.2	993.0	945.5
30°	1357.4	1343.4	1312.1	1270.1	1223.7	1183.8	1154.7	1140.7	1126.7	1125.6	1068.4
32.5°	1537.4	1521.3	1494.3	1436.1	1371.4	1309.9	1295.9	1284.1	1267.9	1259.3	1202.1
35°	1736.9	1724.0	1685.1	1608.6	1522.3	1455.5	1426.4	1428.5	1421.0	1416.7	1347.7
37.5°	1956.8	1934.2	1881.4	1807.0	1679.8	1607.5	1574.1	1592.4	1588.1	1579.5	1507.3
40°	2163.8	2160.6	2104.5	1989.2	1860.9	1758.5	1735.8	1767.1	1761.7	1750.9	1671.1
42.5°	2403.2	2379.5	2316.9	2187.6	2032.3	1919.1	1894.3	1940.7	1947.1	1949.3	1842.6
45°	2608.0	2597.3	2538.0	2389.2	2210.2	2087.3	2066.8	2116.4	2138.0	2140.1	2022.6
47.5°	2807.5	2803.2	2742.8	2588.6	2383.8	2253.3	2226.4	2297.5	2342.8	2333.1	2194.0
50°	2957.4	2964.9	2916.4	2769.8	2556.3	2401.0	2407.5	2494.8	2536.9	2531.5	2377.3
52.5°	3085.7	3074.9	3054.4	2915.3	2693.2	2550.9	2558.4	2663.0	2725.6	2722.3	2550.9
55°	3133.1	3129.9	3132.0	3018.8	2805.3	2673.8	2696.4	2844.2	2895.9	2889.4	2692.1
57.5°	3123.4	3121.2	3154.7	3080.3	2895.9	2770.8	2822.6	2992.9	3078.1	3069.5	2840.9
60°	3050.1	3040.4	3112.6	3085.7	2932.6	2831.2	2921.8	3123.4	3215.0	3212.9	2962.8
62.5°	2885.1	2900.2	3000.5	3025.3	2921.8	2862.5	2981.1	3224.7	3327.2	3319.6	3050.1
65°	2655.5	2693.2	2814.0	2900.2	2848.5	2834.5	3002.6	3270.0	3383.2	3382.2	3081.3
67°	2459.3	2485.1	2631.8	2741.7	2745.0	2777.3	2977.8	3271.1	3396.2	3386.5	3066.3
67.5°	2390.3	2424.8	2573.5	2707.2	2721.2	2761.1	2968.1	3268.9	3387.5	3382.2	3058.7
70°	2077.6	2117.5	2280.3	2448.5	2534.7	2621.0	2879.7	3208.6	3318.5	3306.7	2971.4
72.5°	1760.6	1816.7	1970.9	2170.3	2296.5	2438.8	2726.6	3057.6	3187.0	3162.2	2801.0
75°	1456.6	1494.3	1644.2	1859.8	2023.7	2216.7	2517.5	2853.9	2970.3	2949.8	2584.3
77.5°	1161.2	1195.7	1340.1	1556.8	1742.3	1959.0	2272.7	2598.3	2688.9	2677.0	2309.4
80°	916.4	941.2	1080.3	1273.3	1464.1	1695.9	1993.5	2284.6	2343.9	2352.5	2006.4
82.5°	705.1	737.5	858.2	1028.6	1208.6	1429.6	1688.4	1946.1	2011.8	1990.3	1695.9
85°	539.1	566.0	673.8	818.3	998.4	1184.9	1415.6	1626.9	1656.0	1631.2	1374.6
87.5°	421.6	442.0	526.1	666.3	809.7	969.3	1153.6	1315.3	1330.4	1326.1	1100.8
90°	326.7	345.0	415.1	526.1	657.7	794.6	939.1	1052.3	1044.7	1051.2	867.9
92.5°	256.6	266.3	329.9	428.0	538.0	648.0	757.9	833.4	832.3	814.0	677.1
95°	208.1	213.5	268.5	350.4	438.8	526.1	608.1	656.6	654.4	635.0	528.3
97.5°	168.2	171.4	218.9	287.9	362.3	430.2	489.5	524.0	506.7	499.2	414.0
100°	138.0	140.2	181.1	240.4	301.9	360.1	402.1	416.2	392.4	388.1	325.6
102.5°	117.5	118.6	153.1	203.8	252.3	296.5	327.8	334.2	306.2	308.4	256.6
105°	100.3	101.3	128.3	173.6	214.6	248.0	270.6	267.4	244.7	241.5	204.8
107.5°	87.3	88.4	110.0	148.8	184.4	212.4	224.3	216.7	196.2	191.9	165.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	76.5	77.6	94.9	127.2	158.5	182.2	188.7	176.8	158.5	154.2	135.8
112.5°	69.0	69.0	83.0	110.0	138.0	157.4	159.6	147.7	127.2	125.1	113.2
115°	62.5	62.5	73.3	94.9	119.7	134.8	134.8	120.8	104.6	103.5	94.9
117.5°	57.1	57.1	64.7	83.0	103.5	116.4	114.3	101.3	87.3	86.3	81.9
120°	52.8	52.8	58.2	72.2	89.5	99.2	97.0	84.1	73.3	72.2	70.1
122.5°	48.5	49.6	52.8	63.6	77.6	85.2	83.0	72.2	62.5	61.5	61.5
125°	45.3	45.3	47.4	55.0	66.8	73.3	70.1	59.3	52.8	52.8	52.8
127.5°	42.0	42.0	43.1	48.5	57.1	61.5	58.2	49.6	46.4	45.3	46.4
130°	38.8	38.8	39.9	42.0	48.5	50.7	47.4	42.0	38.8	38.8	39.9
132.5°	35.6	35.6	35.6	36.7	39.9	42.0	38.8	34.5	33.4	33.4	34.5
135°	32.3	33.4	32.3	32.3	33.4	33.4	30.2	28.0	28.0	29.1	30.2
137.5°	29.1	29.1	28.0	27.0	27.0	25.9	23.7	22.6	23.7	23.7	24.8
140°	25.9	25.9	24.8	22.6	20.5	19.4	18.3	17.3	19.4	19.4	20.5
142.5°	22.6	22.6	20.5	18.3	15.1	12.9	11.9	12.9	15.1	15.1	16.2
145°	18.3	18.3	17.3	15.1	10.8	8.6	7.5	9.7	10.8	10.8	11.9
147.5°	15.1	14.0	12.9	10.8	7.5	5.4	4.3	6.5	7.5	7.5	8.6
150°	10.8	10.8	9.7	7.5	4.3	2.2	2.2	3.2	4.3	4.3	5.4
152.5°	7.5	7.5	6.5	4.3	2.2	0.0	1.1	2.2	2.2	2.2	3.2
155°	4.3	4.3	4.3	3.2	1.1	0.0	0.0	1.1	1.1	1.1	2.2
157.5°	2.2	2.2	2.2	2.2	1.1	0.0	0.0	0.0	1.1	1.1	1.1
160°	1.1	1.1	2.2	1.1	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4	323.4
2.5°	325.6	323.4	321.3	318.1	315.9	313.7	311.6	310.5	310.5	309.4	310.5
5°	337.5	334.2	327.8	322.4	315.9	311.6	307.3	305.1	303.0	301.9	301.9
7.5°	359.0	354.7	343.9	334.2	324.5	317.0	311.6	306.2	304.0	303.0	303.0
10°	390.3	383.8	367.6	353.6	339.6	329.9	320.2	314.8	311.6	309.4	309.4
12.5°	434.5	423.7	403.2	379.5	361.2	348.2	336.4	331.0	329.9	329.9	329.9
15°	493.8	478.7	447.4	419.4	392.4	369.8	361.2	361.2	360.1	359.0	360.1
17.5°	555.2	538.0	499.2	463.6	430.2	407.5	393.5	390.3	389.2	388.1	389.2
20°	628.6	607.0	561.7	513.2	471.2	449.6	430.2	421.6	420.5	421.6	419.4
22.5°	711.6	687.9	621.0	562.8	516.4	486.2	463.6	451.7	453.9	453.9	452.8
25°	811.8	775.2	696.5	617.8	561.7	519.7	493.8	481.9	483.0	485.2	487.3
27.5°	913.2	871.1	770.9	674.9	601.6	553.1	522.9	510.0	508.9	515.4	514.3
30°	1031.8	977.9	852.8	733.1	638.3	576.8	545.5	534.8	533.7	539.1	540.2
32.5°	1159.0	1092.2	938.0	791.4	670.6	597.3	561.7	554.2	552.0	557.4	558.5
35°	1298.1	1212.9	1021.0	842.0	697.6	611.3	574.7	566.0	562.8	568.2	570.3
37.5°	1432.9	1333.7	1106.2	887.3	719.1	619.9	580.0	573.6	569.3	572.5	573.6
40°	1575.2	1469.5	1192.4	928.3	732.1	624.2	582.2	575.7	571.4	571.4	571.4
42.5°	1731.5	1594.6	1262.5	957.4	739.6	623.2	580.0	572.5	567.1	562.8	562.8
45°	1892.1	1729.3	1334.7	981.1	740.7	617.8	574.7	568.2	559.6	550.9	549.9
47.5°	2048.5	1851.2	1398.4	994.1	737.5	610.2	567.1	558.5	550.9	538.0	538.0
50°	2200.5	1973.0	1451.2	1000.5	727.7	601.6	559.6	550.9	541.2	524.0	521.8
52.5°	2339.6	2084.1	1491.1	998.4	713.7	589.7	549.9	542.3	530.4	510.0	510.0
55°	2476.5	2186.5	1515.9	984.3	696.5	576.8	541.2	533.7	520.7	499.2	497.0
57.5°	2588.6	2259.8	1525.6	962.8	677.1	562.8	532.6	525.1	513.2	489.5	489.5
60°	2683.5	2321.3	1519.1	934.8	655.5	549.9	521.8	517.5	506.7	484.1	484.1
62.5°	2738.5	2346.0	1494.3	899.2	630.7	535.8	512.1	510.0	500.3	478.7	478.7
65°	2750.4	2329.9	1443.6	855.0	605.9	519.7	501.3	500.3	493.8	473.3	471.2
67°	2718.0	2287.8	1387.6	817.2	584.4	506.7	491.6	491.6	486.2	467.9	466.8
67.5°	2706.2	2271.7	1372.5	807.5	580.0	504.6	489.5	490.6	485.2	466.8	463.6
70°	2602.6	2162.8	1279.8	752.5	549.9	485.2	475.5	476.5	472.2	458.2	455.0
72.5°	2442.0	2006.4	1170.9	699.7	519.7	465.8	456.1	460.4	456.1	445.3	438.8
75°	2225.3	1815.6	1057.7	639.3	489.5	442.0	435.6	437.7	436.6	425.9	420.5
77.5°	1969.8	1605.4	936.9	583.3	456.1	418.3	411.9	415.1	412.9	403.2	396.8
80°	1692.7	1383.3	820.5	527.2	421.6	391.4	384.9	386.0	384.9	375.2	366.6
82.5°	1421.0	1165.5	701.9	472.2	388.1	362.3	354.7	353.6	351.5	340.7	334.2
85°	1173.0	957.4	599.5	419.4	353.6	329.9	323.4	319.1	315.9	304.0	299.7
87.5°	934.8	782.7	506.7	374.1	319.1	299.7	291.1	283.6	278.2	267.4	263.1
90°	746.1	630.7	432.3	327.8	287.9	270.6	258.8	249.1	242.6	230.7	224.3
92.5°	591.9	502.4	363.3	287.9	257.7	242.6	231.8	219.9	211.3	196.2	193.0
95°	469.0	404.3	306.2	252.3	228.6	215.6	205.9	193.0	181.1	166.0	162.8
97.5°	370.9	329.9	257.7	221.0	201.6	190.8	181.1	168.2	155.3	140.2	138.0
100°	296.5	265.2	221.0	193.0	180.1	169.3	159.6	147.7	131.5	116.4	116.4
102.5°	238.3	217.8	185.4	169.3	158.5	149.9	141.2	129.4	112.1	96.0	96.0
105°	193.0	180.1	159.6	147.7	140.2	133.7	125.1	111.0	93.8	80.9	80.9
107.5°	158.5	148.8	136.9	128.3	124.0	117.5	110.0	96.0	79.8	67.9	67.9



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	131.5	125.1	116.4	113.2	110.0	104.6	96.0	83.0	66.8	58.2	58.2
112.5°	110.0	106.7	100.3	99.2	97.0	92.7	84.1	71.2	56.1	50.7	50.7
115°	93.8	91.6	87.3	87.3	85.2	81.9	73.3	61.5	48.5	43.1	44.2
117.5°	79.8	78.7	76.5	76.5	75.5	72.2	63.6	52.8	41.0	38.8	38.8
120°	70.1	69.0	67.9	66.8	66.8	62.5	55.0	44.2	35.6	34.5	34.5
122.5°	60.4	60.4	59.3	59.3	58.2	53.9	47.4	37.7	31.3	30.2	30.2
125°	52.8	52.8	51.8	51.8	50.7	47.4	41.0	32.3	27.0	27.0	27.0
127.5°	46.4	46.4	45.3	45.3	44.2	39.9	34.5	27.0	23.7	23.7	24.8
130°	41.0	41.0	39.9	38.8	37.7	34.5	28.0	22.6	20.5	21.6	21.6
132.5°	35.6	34.5	34.5	33.4	31.3	28.0	23.7	19.4	18.3	19.4	19.4
135°	30.2	30.2	29.1	28.0	25.9	23.7	19.4	16.2	16.2	17.3	17.3
137.5°	25.9	25.9	24.8	22.6	21.6	18.3	15.1	12.9	14.0	15.1	15.1
140°	20.5	21.6	20.5	18.3	16.2	14.0	11.9	10.8	11.9	12.9	14.0
142.5°	17.3	17.3	16.2	14.0	11.9	9.7	8.6	8.6	10.8	11.9	11.9
145°	12.9	12.9	11.9	10.8	7.5	6.5	5.4	7.5	8.6	9.7	9.7
147.5°	8.6	8.6	8.6	6.5	4.3	3.2	3.2	5.4	7.5	7.5	7.5
150°	5.4	5.4	5.4	4.3	2.2	1.1	2.2	4.3	5.4	6.5	6.5
152.5°	3.2	3.2	3.2	2.2	1.1	0.0	1.1	3.2	4.3	4.3	4.3
155°	2.2	2.2	2.2	1.1	1.1	0.0	1.1	2.2	3.2	3.2	3.2
157.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	2.2	2.2	2.2	2.2
160°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	1.1	2.2	1.1	1.1
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)