

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: P417213

Luminaire Tested: **LXF.LXT-PA1-90-750-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
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-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8968 lumens
Efficiency: N/A
Efficacy: 95.4 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

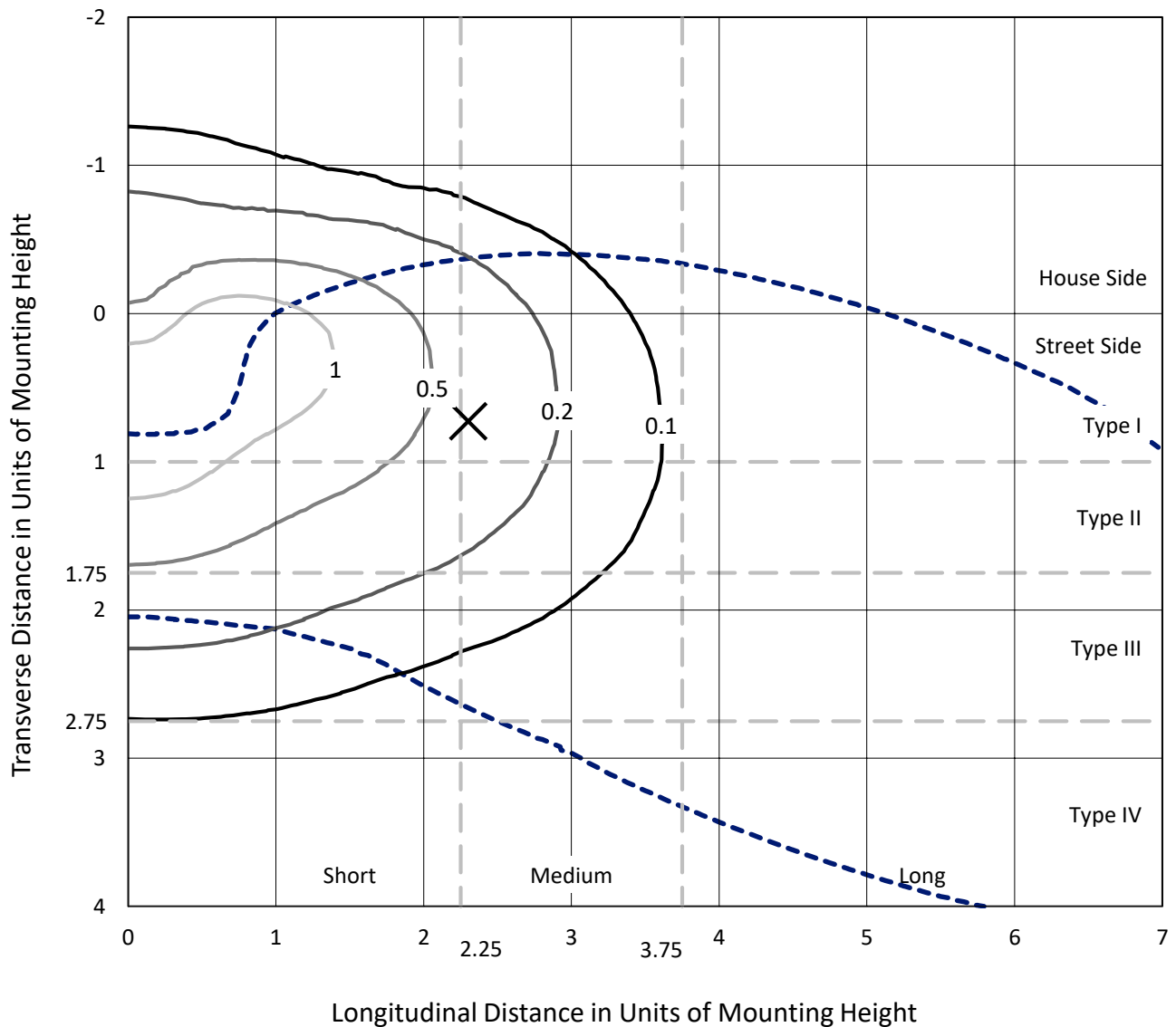
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

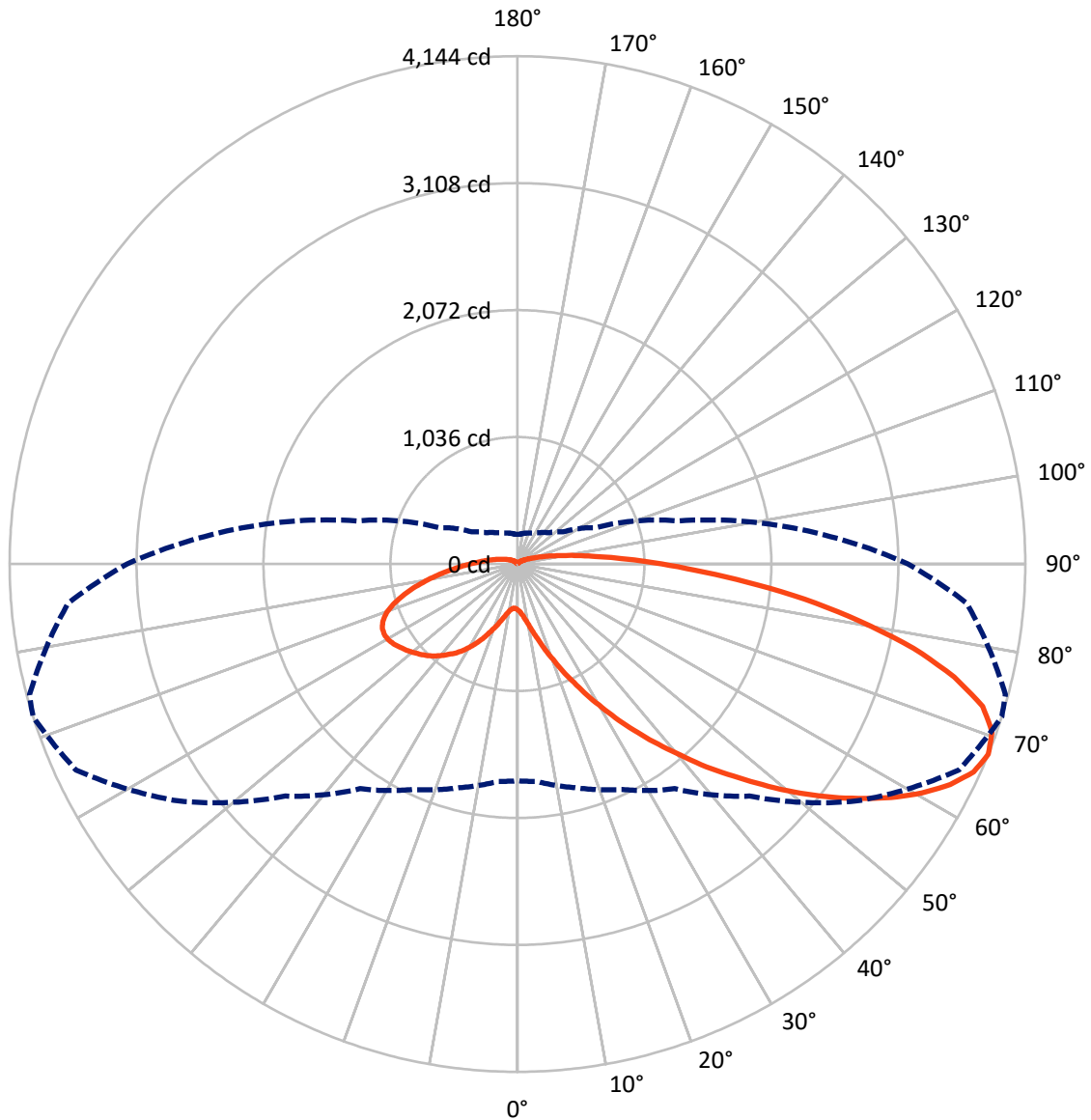
× Max cd
 - - - 1/2 Max cd



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 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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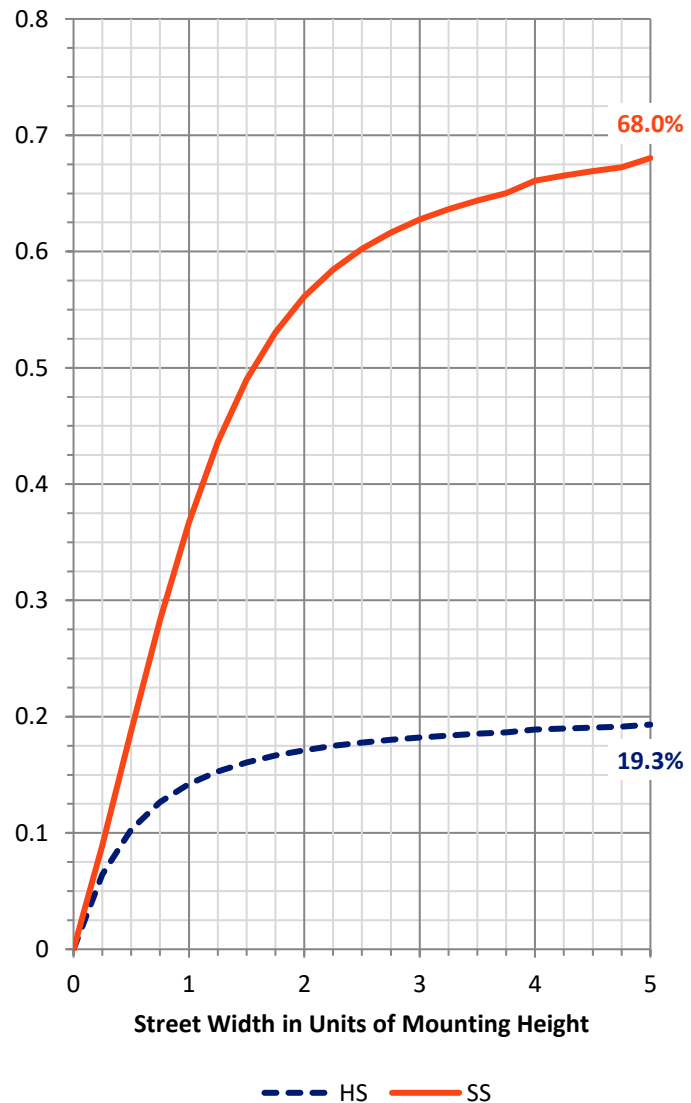
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1821.1	259.1	2080.2
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	6385.6	502.2	6887.8
	% Fixture	71.2	5.6	76.8
Total	Lumens	8206.7	761.3	8968.0
	% Fixture	91.5	8.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	0.4
10°-20°	153.0	1.7
20°-30°	369.5	4.1
30°-40°	704.3	7.9
40°-50°	1133.5	12.6
50°-60°	1568.4	17.5
60°-70°	1802.1	20.1
70°-80°	1546.8	17.2
80°-90°	890.6	9.9
90°-100°	402.5	4.5
100°-110°	185.0	2.1
110°-120°	93.0	1.0
120°-130°	48.2	0.5
130°-140°	22.9	0.3
140°-150°	7.9	0.1
150°-160°	1.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8206.7	91.5
0°-180°	8968.0	100.0

Coefficient of Utilization



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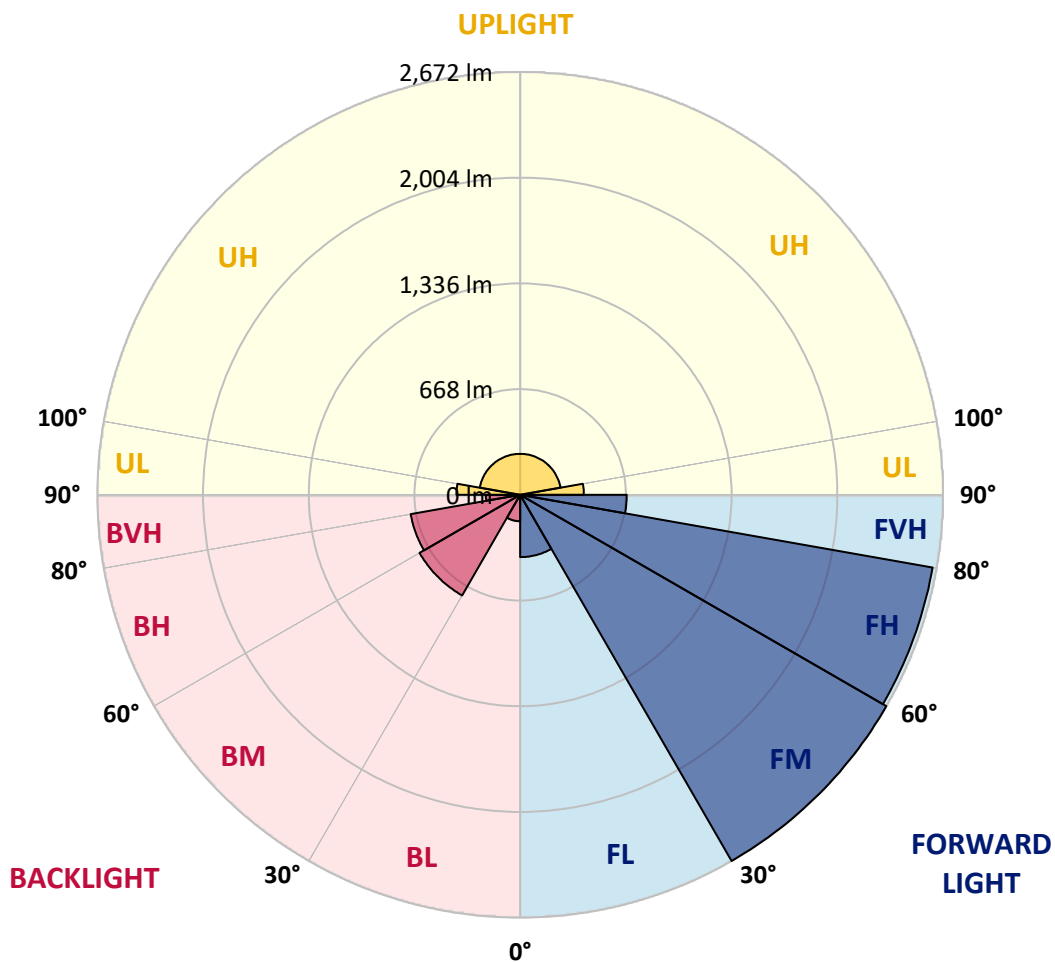
CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	393.8	4.4			
FM	(30°-60°)	2671.9	29.8			
FH	(60°-80°)	2646.6	29.5			G2/5000
FVH	(80°-90°)	673.3	7.5			G4/750
BL	(0°-30°)	167.2	1.9	B1/500		
BM	(30°-60°)	734.3	8.2	B1/1000		
BH	(60°-80°)	702.2	7.8	B2/1000		G2/1000
BVH	(80°-90°)	217.3	2.4			G2/225
UL	(90°-100°)	402.5	4.5		U3/500	
UH	(100°-180°)	259.1	2.9		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°	72.5°	75°	85°
0°	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1
2.5°	419.4	418.3	419.4	416.2	412.9	406.5	402.1	393.5	389.2	387.1	378.4
5°	478.7	477.6	476.5	472.2	461.4	453.9	441.0	425.9	416.2	411.9	397.8
7.5°	543.4	541.2	539.1	529.4	521.8	508.9	489.5	470.1	453.9	450.7	424.8
10°	616.7	614.5	610.2	602.7	588.7	570.3	553.1	525.1	504.6	494.9	466.8
12.5°	692.2	696.5	691.1	676.0	659.8	642.6	617.8	590.8	569.3	561.7	518.6
15°	783.8	787.0	781.7	764.4	747.2	721.3	701.9	673.8	644.7	640.4	593.0
17.5°	885.2	884.1	873.3	857.1	842.0	821.5	793.5	767.6	735.3	727.8	669.5
20°	995.1	990.8	981.1	954.2	940.1	916.4	899.2	863.6	832.3	821.5	763.3
22.5°	1105.1	1102.9	1094.3	1069.5	1052.3	1031.8	1005.9	973.6	952.0	930.4	865.8
25°	1243.1	1230.2	1219.4	1175.2	1159.0	1139.6	1117.0	1090.0	1069.5	1057.7	983.3
27.5°	1381.1	1371.4	1346.6	1314.3	1283.0	1251.7	1242.0	1218.3	1211.8	1202.1	1118.0
30°	1518.0	1513.7	1486.8	1445.8	1400.5	1370.3	1364.9	1367.1	1357.4	1345.5	1256.0
32.5°	1673.3	1663.6	1633.4	1578.4	1531.0	1495.4	1495.4	1510.5	1519.1	1507.3	1412.4
35°	1825.3	1816.7	1778.9	1711.0	1658.2	1615.1	1632.3	1667.9	1688.4	1688.4	1570.9
37.5°	1985.9	1966.5	1927.7	1856.6	1785.4	1754.1	1773.6	1835.0	1865.2	1865.2	1746.6
40°	2126.1	2125.0	2072.2	1987.0	1916.9	1870.6	1929.9	2011.8	2051.7	2048.5	1923.4
42.5°	2266.3	2265.2	2214.5	2120.7	2032.3	2008.6	2083.0	2198.3	2263.0	2263.0	2102.4
45°	2392.4	2383.8	2340.7	2237.2	2155.2	2144.4	2254.4	2401.0	2467.9	2478.7	2296.5
47.5°	2485.1	2477.6	2439.8	2339.6	2262.0	2281.4	2414.0	2600.5	2691.1	2690.0	2494.8
50°	2547.7	2540.1	2507.8	2421.5	2354.7	2403.2	2587.6	2811.8	2925.0	2933.6	2691.1
52.5°	2566.0	2561.7	2544.4	2473.3	2430.1	2513.2	2750.4	3027.4	3155.7	3163.3	2905.6
55°	2534.7	2534.7	2533.6	2490.5	2473.3	2611.3	2918.5	3237.7	3376.8	3390.8	3116.9
57.5°	2461.4	2464.6	2484.1	2470.0	2495.9	2690.0	3060.9	3427.4	3595.6	3604.3	3305.6
60°	2350.4	2343.9	2387.0	2412.9	2483.0	2739.6	3187.0	3618.3	3794.0	3797.2	3471.6
62.5°	2182.2	2185.4	2247.9	2315.9	2436.6	2760.1	3298.1	3785.4	3963.3	3970.8	3601.0
65°	1983.8	1991.3	2076.5	2190.8	2356.8	2738.5	3361.7	3913.7	4091.6	4081.9	3675.4
67.5°	1769.2	1780.0	1891.1	2030.2	2238.2	2678.1	3372.4	3975.1	4144.4	4122.8	3681.9
70°	1534.2	1562.2	1673.3	1854.4	2085.1	2562.8	3309.9	3964.4	4108.8	4088.3	3585.9
72.5°	1320.7	1341.2	1463.0	1651.7	1913.7	2395.6	3177.3	3840.4	3969.7	3928.8	3385.4
75°	1108.3	1139.6	1255.0	1456.6	1728.3	2188.6	2952.0	3601.0	3680.8	3636.6	3086.7
77.5°	927.2	955.2	1069.5	1263.6	1524.5	1971.9	2656.6	3237.7	3303.4	3258.2	2709.4
80°	755.8	787.0	898.1	1088.9	1333.7	1717.5	2318.0	2812.9	2837.7	2766.5	2293.2
82.5°	631.8	648.0	751.5	919.7	1145.0	1481.4	1970.9	2360.1	2361.1	2276.0	1863.0
85°	516.4	526.1	621.0	773.0	966.0	1251.7	1618.3	1900.8	1879.2	1832.9	1436.1
87.5°	418.3	428.0	513.2	650.1	812.9	1044.7	1320.7	1496.5	1445.8	1409.1	1114.8
90°	342.9	353.6	423.7	542.3	682.5	862.5	1051.2	1156.9	1111.6	1083.5	859.3
92.5°	280.3	291.1	352.6	453.9	577.9	706.2	835.6	885.2	853.9	821.5	648.0
95°	237.2	239.3	294.3	379.5	477.6	570.3	654.4	683.5	640.4	628.6	501.3
97.5°	195.1	201.6	244.7	320.2	398.9	475.5	518.6	533.7	494.9	469.0	383.8
100°	166.0	169.3	207.0	267.4	332.1	387.1	420.5	412.9	378.4	363.3	291.1
102.5°	142.3	145.6	175.7	231.8	282.5	322.4	338.5	326.7	294.3	284.6	228.6
105°	125.1	126.1	150.9	196.2	239.3	272.8	279.2	260.9	229.6	216.7	180.1
107.5°	111.0	112.1	131.5	170.3	207.0	229.6	231.8	211.3	181.1	171.4	144.5
110°	99.2	101.3	115.4	147.7	179.0	196.2	194.1	172.5	144.5	135.8	118.6



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	89.5	91.6	102.4	129.4	155.3	170.3	165.0	139.1	115.4	110.0	98.1
115°	81.9	84.1	92.7	114.3	136.9	147.7	139.1	115.4	94.9	88.4	81.9
117.5°	76.5	77.6	84.1	101.3	118.6	127.2	117.5	96.0	77.6	73.3	70.1
120°	71.2	72.2	77.6	89.5	104.6	108.9	99.2	78.7	64.7	62.5	61.5
122.5°	66.8	66.8	71.2	79.8	90.6	93.8	84.1	65.8	55.0	52.8	53.9
125°	62.5	62.5	64.7	71.2	78.7	80.9	70.1	55.0	46.4	45.3	47.4
127.5°	58.2	58.2	59.3	63.6	67.9	67.9	58.2	45.3	39.9	38.8	42.0
130°	53.9	53.9	53.9	56.1	58.2	57.1	47.4	37.7	34.5	34.5	36.7
132.5°	49.6	49.6	49.6	49.6	48.5	46.4	38.8	30.2	30.2	30.2	32.3
135°	44.2	44.2	44.2	43.1	41.0	37.7	30.2	24.8	24.8	25.9	28.0
137.5°	39.9	39.9	38.8	36.7	33.4	29.1	23.7	19.4	21.6	21.6	23.7
140°	34.5	34.5	33.4	30.2	25.9	21.6	17.3	16.2	17.3	18.3	20.5
142.5°	29.1	29.1	28.0	24.8	20.5	15.1	11.9	11.9	14.0	14.0	16.2
145°	23.7	23.7	22.6	19.4	14.0	9.7	7.5	8.6	10.8	10.8	11.9
147.5°	18.3	18.3	17.3	14.0	9.7	6.5	4.3	6.5	7.5	7.5	8.6
150°	12.9	12.9	11.9	9.7	6.5	3.2	2.2	3.2	4.3	5.4	5.4
152.5°	8.6	8.6	7.5	6.5	3.2	1.1	2.2	3.2	3.2	3.2	4.3
155°	5.4	4.3	4.3	3.2	1.1	0.0	1.1	2.2	2.2	2.2	3.2
157.5°	2.2	2.2	2.2	2.2	1.1	0.0	1.1	1.1	1.1	2.2	2.2
160°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
162.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
165°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
167.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
170°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
172.5°	0.0	1.1	1.1	2.2	1.1	0.0	1.1	1.1	1.1	1.1	1.1
175°	0.0	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	0.0	1.1	1.1	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1	374.1
2.5°	376.3	372.0	365.5	359.0	352.6	348.2	343.9	341.8	338.5	335.3	335.3
5°	389.2	380.6	365.5	350.4	336.4	324.5	312.7	306.2	301.9	297.6	298.6
7.5°	412.9	400.0	375.2	350.4	327.8	308.4	292.2	279.2	270.6	265.2	266.3
10°	446.4	432.3	394.6	359.0	326.7	298.6	276.0	257.7	246.9	241.5	241.5
12.5°	499.2	475.5	425.9	375.2	332.1	294.3	265.2	243.7	228.6	222.1	221.0
15°	562.8	529.4	469.0	406.5	345.0	294.3	256.6	241.5	231.8	227.5	226.4
17.5°	638.3	601.6	518.6	435.6	362.3	300.8	268.5	250.1	239.3	235.0	234.0
20°	720.2	677.1	572.5	472.2	379.5	320.2	280.3	257.7	245.8	241.5	241.5
22.5°	820.5	763.3	630.7	504.6	401.1	336.4	292.2	264.1	253.4	249.1	248.0
25°	924.0	859.3	699.7	539.1	424.8	349.3	300.8	270.6	259.8	255.5	256.6
27.5°	1045.8	962.8	767.6	573.6	445.3	356.9	305.1	276.0	265.2	262.0	263.1
30°	1173.0	1068.4	828.0	609.2	459.3	362.3	308.4	280.3	268.5	266.3	266.3
32.5°	1307.8	1189.2	890.6	640.4	467.9	363.3	308.4	282.5	270.6	269.5	270.6
35°	1445.8	1305.6	950.9	665.2	472.2	362.3	307.3	284.6	270.6	270.6	270.6
37.5°	1598.9	1419.9	1001.6	682.5	473.3	359.0	306.2	283.6	270.6	270.6	271.7
40°	1756.3	1541.8	1057.7	696.5	472.2	356.9	305.1	283.6	270.6	270.6	271.7
42.5°	1912.6	1655.0	1110.5	705.1	470.1	354.7	304.0	283.6	270.6	268.5	269.5
45°	2081.9	1786.5	1161.2	710.5	467.9	353.6	304.0	282.5	270.6	266.3	267.4
47.5°	2239.3	1908.3	1202.1	717.0	466.8	353.6	305.1	282.5	269.5	265.2	265.2
50°	2417.2	2034.5	1244.2	719.1	464.7	353.6	305.1	282.5	268.5	262.0	263.1
52.5°	2592.9	2161.7	1285.2	723.4	464.7	354.7	306.2	282.5	267.4	258.8	258.8
55°	2761.1	2274.9	1321.8	726.7	464.7	356.9	309.4	282.5	266.3	255.5	255.5
57.5°	2915.3	2391.3	1358.5	727.8	464.7	359.0	309.4	283.6	265.2	252.3	252.3
60°	3052.2	2491.6	1384.3	728.8	463.6	361.2	311.6	282.5	264.1	249.1	249.1
62.5°	3149.3	2568.1	1397.3	725.6	463.6	361.2	312.7	282.5	263.1	248.0	246.9
65°	3204.3	2595.1	1389.7	715.9	461.4	361.2	311.6	281.4	260.9	245.8	244.7
67.5°	3185.9	2566.0	1357.4	700.8	456.1	360.1	311.6	279.2	260.9	244.7	242.6
70°	3086.7	2478.7	1295.9	678.2	448.5	355.8	307.3	276.0	258.8	243.7	241.5
72.5°	2892.7	2302.9	1206.4	642.6	435.6	349.3	301.9	270.6	254.4	240.4	237.2
75°	2623.1	2093.8	1097.6	605.9	419.4	340.7	295.4	265.2	249.1	236.1	232.9
77.5°	2277.0	1814.5	976.8	558.5	398.9	328.8	286.8	256.6	241.5	229.6	225.3
80°	1918.0	1528.8	846.3	508.9	377.4	313.7	273.8	245.8	231.8	221.0	215.6
82.5°	1552.5	1256.0	724.5	461.4	352.6	296.5	260.9	234.0	221.0	209.2	203.8
85°	1224.8	993.0	607.0	411.9	326.7	279.2	245.8	219.9	208.1	195.1	189.8
87.5°	953.1	788.1	507.8	366.6	298.6	259.8	229.6	205.9	191.9	180.1	175.7
90°	742.8	621.0	424.8	323.4	273.8	240.4	212.4	190.8	176.8	165.0	159.6
92.5°	566.0	491.6	355.8	285.7	249.1	221.0	196.2	175.7	161.7	148.8	143.4
95°	443.1	390.3	300.8	251.2	224.3	200.5	180.1	160.6	145.6	131.5	128.3
97.5°	343.9	312.7	253.4	219.9	202.7	181.1	162.8	145.6	130.5	116.4	113.2
100°	271.7	249.1	214.6	195.1	180.1	162.8	146.6	131.5	115.4	100.3	99.2
102.5°	214.6	204.8	182.2	171.4	159.6	146.6	132.6	116.4	100.3	86.3	85.2
105°	175.7	167.1	156.3	149.9	142.3	130.5	117.5	103.5	87.3	74.4	74.4
107.5°	142.3	138.0	132.6	131.5	126.1	116.4	105.7	91.6	75.5	64.7	64.7
110°	116.4	115.4	115.4	115.4	112.1	104.6	93.8	79.8	63.6	56.1	56.1



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CATALOG NUMBER: LXF.LXT-PA1-90-750-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	98.1	98.1	99.2	101.3	99.2	91.6	81.9	69.0	55.0	48.5	48.5
115°	83.0	84.1	87.3	88.4	87.3	81.9	72.2	59.3	46.4	42.0	43.1
117.5°	72.2	72.2	76.5	78.7	77.6	72.2	62.5	50.7	39.9	37.7	37.7
120°	62.5	64.7	67.9	69.0	67.9	62.5	55.0	43.1	34.5	33.4	33.4
122.5°	55.0	56.1	59.3	61.5	59.3	55.0	46.4	36.7	29.1	29.1	30.2
125°	48.5	49.6	51.8	53.9	51.8	46.4	39.9	30.2	25.9	25.9	25.9
127.5°	43.1	44.2	46.4	46.4	44.2	39.9	33.4	25.9	21.6	22.6	22.6
130°	37.7	38.8	39.9	39.9	38.8	34.5	28.0	21.6	19.4	20.5	20.5
132.5°	33.4	34.5	34.5	34.5	32.3	29.1	23.7	18.3	17.3	18.3	18.3
135°	29.1	29.1	30.2	29.1	27.0	23.7	18.3	15.1	15.1	16.2	16.2
137.5°	24.8	25.9	25.9	23.7	21.6	18.3	15.1	12.9	12.9	14.0	14.0
140°	20.5	21.6	20.5	19.4	17.3	15.1	11.9	9.7	10.8	11.9	11.9
142.5°	17.3	17.3	17.3	15.1	12.9	10.8	8.6	8.6	9.7	9.7	10.8
145°	12.9	12.9	12.9	11.9	9.7	7.5	6.5	6.5	7.5	8.6	8.6
147.5°	9.7	9.7	9.7	8.6	6.5	5.4	4.3	5.4	6.5	7.5	6.5
150°	6.5	6.5	6.5	5.4	4.3	3.2	3.2	4.3	5.4	5.4	5.4
152.5°	4.3	4.3	4.3	4.3	3.2	1.1	2.2	3.2	4.3	4.3	4.3
155°	3.2	3.2	3.2	3.2	2.2	0.0	1.1	2.2	3.2	3.2	3.2
157.5°	2.2	2.2	2.2	2.2	1.1	0.0	0.0	2.2	2.2	2.2	2.2
160°	1.1	2.2	2.2	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
162.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	0.0
165°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
167.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
170°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
172.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
175°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
177.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	0.0	0.0
180°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)