

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: P413912

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413912
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-PA1-100-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA 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: 9284 lumens
Efficiency: N/A
Efficacy: 96.7 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

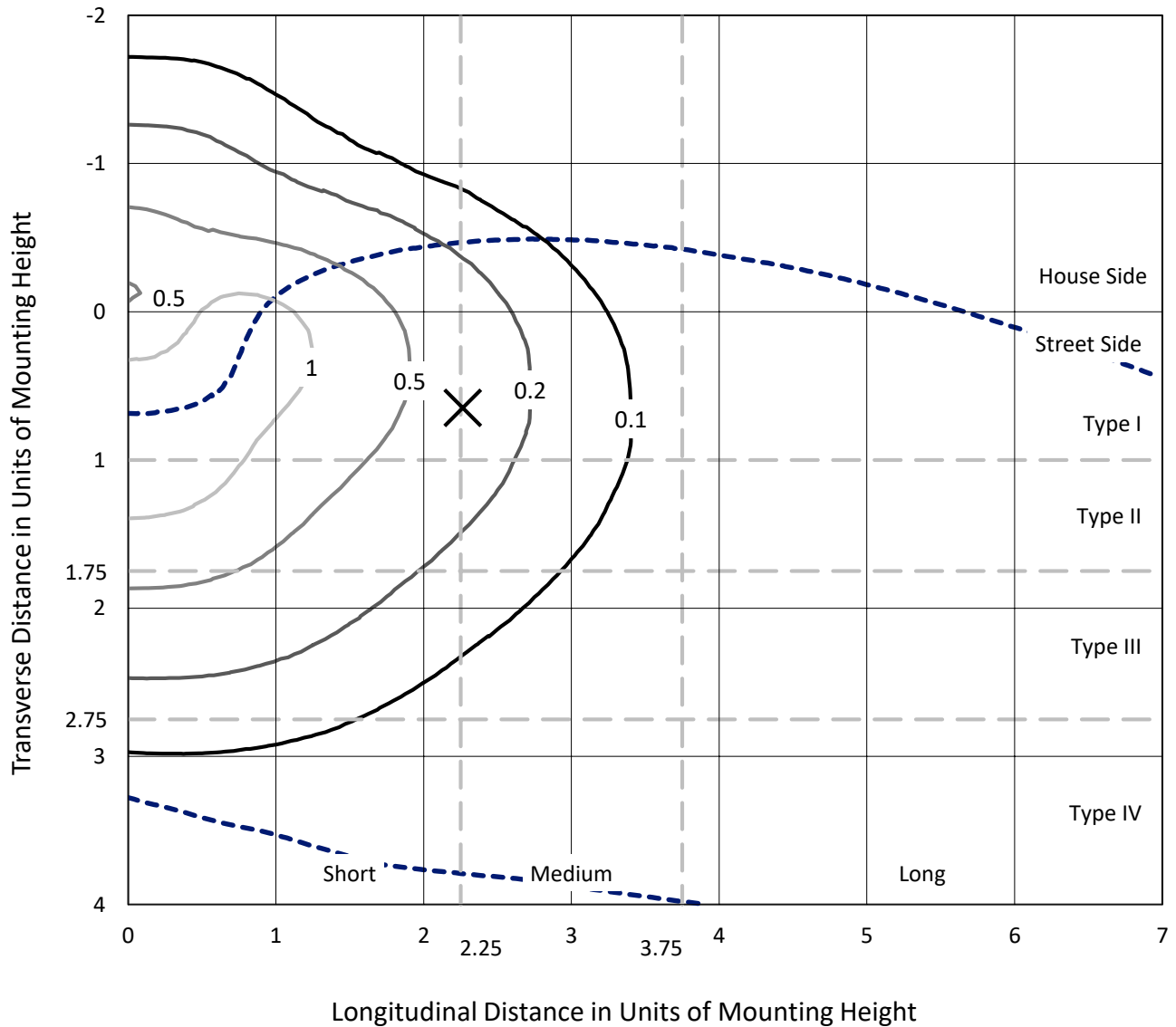
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

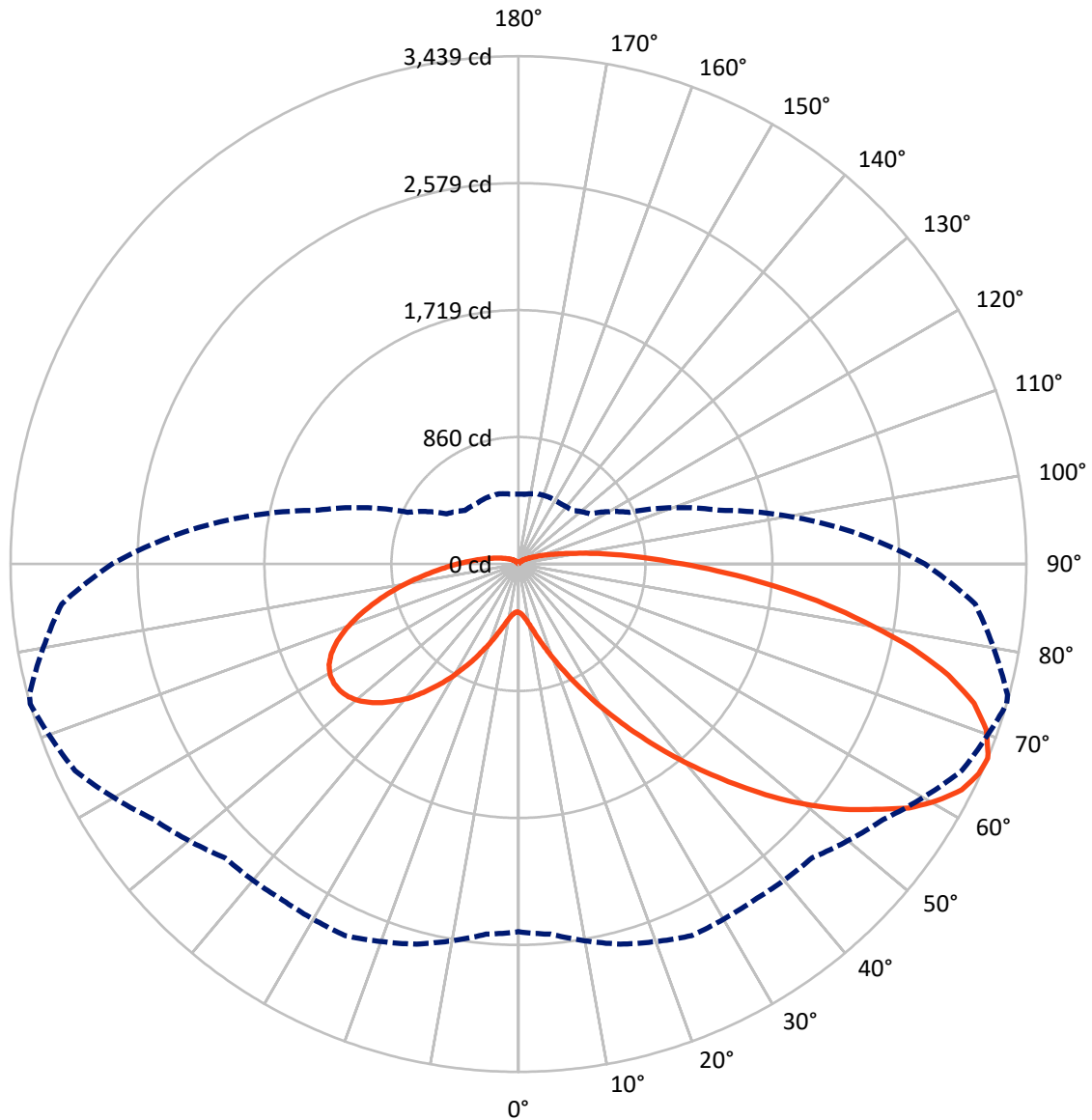


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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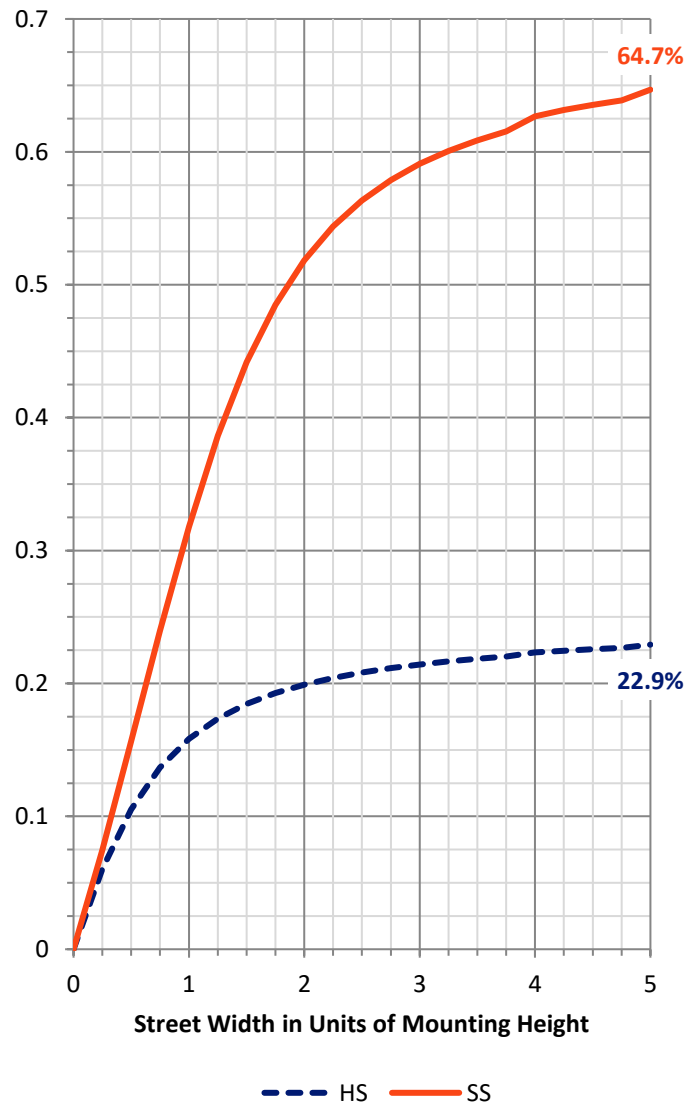
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2238.0	276.8	2514.7
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	6287.4	481.9	6769.3
	% Fixture	67.7	5.2	72.9
Total	Lumens	8525.4	758.7	9284.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	0.4
10°-20°	142.5	1.5
20°-30°	360.6	3.9
30°-40°	723.6	7.8
40°-50°	1214.7	13.1
50°-60°	1704.1	18.4
60°-70°	1904.6	20.5
70°-80°	1553.9	16.7
80°-90°	887.0	9.6
90°-100°	405.4	4.4
100°-110°	185.5	2.0
110°-120°	91.5	1.0
120°-130°	46.5	0.5
130°-140°	21.6	0.2
140°-150°	7.1	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8525.4	91.8
0°-180°	9284.0	100.0

Coefficient of Utilization



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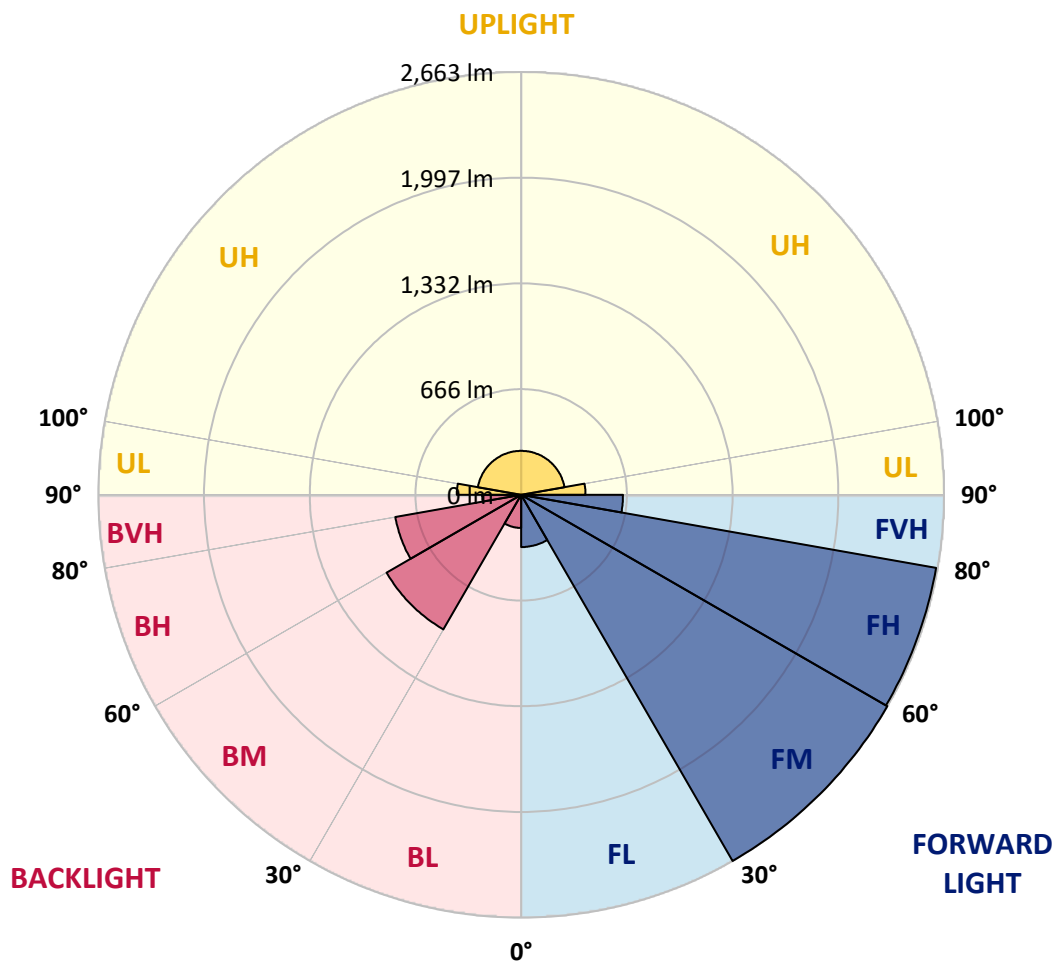
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	329.0	3.5			
FM	(30°-60°)	2663.3	28.7			
FH	(60°-80°)	2653.8	28.6			G2/5000
FVH	(80°-90°)	641.3	6.9			G4/750
BL	(0°-30°)	208.6	2.2	B1/500		
BM	(30°-60°)	979.0	10.5	B1/1000		
BH	(60°-80°)	804.7	8.7	B2/1000		G2/1000
BVH	(80°-90°)	245.7	2.6			G3/500
UL	(90°-100°)	405.4	4.4		U3/500	
UH	(100°-180°)	276.8	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°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	355.9	353.7	353.7	351.5	350.4	346.1	342.8	338.4	336.2	335.1	331.9
5°	388.6	385.4	385.4	383.2	378.8	373.4	365.7	361.3	353.7	354.8	345.0
7.5°	427.9	426.8	424.7	420.3	414.8	408.3	400.6	390.8	382.1	382.1	370.1
10°	480.3	473.8	473.8	468.3	462.9	453.0	442.1	431.2	419.2	418.1	401.7
12.5°	543.7	542.6	536.0	528.4	519.6	509.8	492.3	481.4	469.4	468.3	450.9
15°	617.9	614.6	605.9	602.6	589.5	572.0	557.8	546.9	534.9	530.6	507.6
17.5°	705.2	700.9	697.6	681.2	670.3	656.1	639.7	625.5	604.8	602.6	577.5
20°	807.8	798.0	788.2	775.1	757.6	744.5	727.1	714.0	689.9	689.9	656.1
22.5°	915.9	913.7	905.0	883.2	859.1	846.0	829.7	803.5	783.8	778.4	741.2
25°	1046.9	1044.7	1027.3	1004.3	979.2	959.6	933.4	905.0	888.6	887.5	846.0
27.5°	1195.4	1198.7	1168.1	1138.6	1104.8	1073.1	1044.7	1030.5	1008.7	1005.4	957.4
30°	1374.4	1360.2	1328.6	1286.0	1239.0	1198.7	1169.2	1155.0	1140.8	1139.7	1081.8
32.5°	1556.7	1540.3	1513.1	1454.1	1388.6	1326.4	1312.2	1300.2	1283.8	1275.1	1217.2
35°	1758.7	1745.6	1706.3	1628.8	1541.4	1473.8	1444.3	1446.5	1438.8	1434.5	1364.6
37.5°	1981.4	1958.5	1905.0	1829.6	1700.8	1627.7	1593.8	1612.4	1608.0	1599.3	1526.2
40°	2191.0	2187.7	2130.9	2014.1	1884.2	1780.5	1757.6	1789.2	1783.8	1772.9	1692.1
42.5°	2433.3	2409.3	2346.0	2215.0	2057.8	1943.2	1918.1	1965.0	1971.6	1973.7	1865.7
45°	2640.8	2629.8	2569.8	2419.1	2237.9	2113.5	2092.7	2142.9	2164.8	2167.0	2048.0
47.5°	2842.7	2838.3	2777.2	2621.1	2413.7	2281.6	2254.3	2326.3	2372.2	2362.4	2221.5
50°	2994.5	3002.1	2953.0	2804.5	2588.4	2431.1	2437.7	2526.1	2568.7	2563.2	2407.1
52.5°	3124.4	3113.4	3092.7	2951.9	2727.0	2582.9	2590.5	2696.4	2759.7	2756.5	2582.9
55°	3172.4	3169.1	3171.3	3056.7	2840.5	2707.3	2730.3	2879.8	2932.2	2925.7	2725.9
57.5°	3162.6	3160.4	3194.2	3118.9	2932.2	2805.6	2858.0	3030.5	3116.7	3108.0	2876.6
60°	3088.3	3078.5	3151.7	3124.4	2969.3	2866.7	2958.4	3162.6	3255.4	3253.2	2999.9
62.5°	2921.3	2936.6	3038.1	3063.2	2958.4	2898.4	3018.5	3265.2	3368.9	3361.3	3088.3
65°	2688.8	2727.0	2849.3	2936.6	2884.2	2870.0	3040.3	3311.0	3425.7	3424.6	3120.0
67°	2490.1	2516.3	2664.8	2776.1	2779.4	2812.1	3015.2	3312.1	3438.8	3428.9	3104.7
67.5°	2420.2	2455.2	2605.8	2741.2	2755.4	2795.8	3005.4	3309.9	3430.0	3424.6	3097.1
70°	2103.6	2144.0	2308.9	2479.2	2566.5	2653.9	2915.9	3248.8	3360.2	3348.2	3008.6
72.5°	1782.7	1839.5	1995.6	2197.5	2325.3	2469.4	2760.8	3096.0	3227.0	3201.9	2836.2
75°	1474.8	1513.1	1664.8	1883.1	2049.1	2244.5	2549.1	2889.7	3007.6	2986.8	2616.7
77.5°	1175.7	1210.7	1356.9	1576.4	1764.1	1983.6	2301.2	2630.9	2722.6	2710.6	2338.4
80°	927.9	953.0	1093.9	1289.3	1482.5	1717.2	2018.5	2313.2	2373.3	2382.0	2031.6
82.5°	714.0	746.7	869.0	1041.5	1223.8	1447.6	1709.6	1970.5	2037.1	2015.2	1717.2
85°	545.8	573.1	682.3	828.6	1010.9	1199.7	1433.4	1647.3	1676.8	1651.7	1391.9
87.5°	426.8	447.6	532.7	674.7	819.8	981.4	1168.1	1331.8	1347.1	1342.8	1114.6
90°	330.8	349.3	420.3	532.7	665.9	804.6	950.8	1065.5	1057.8	1064.4	878.8
92.5°	259.8	269.6	334.1	433.4	544.7	656.1	767.4	843.9	842.8	824.2	685.6
95°	210.7	216.2	271.8	354.8	444.3	532.7	615.7	664.8	662.6	643.0	534.9
97.5°	170.3	173.6	221.6	291.5	366.8	435.6	495.6	530.6	513.1	505.4	419.2
100°	139.7	141.9	183.4	243.4	305.7	364.6	407.2	421.4	397.4	393.0	329.7
102.5°	119.0	120.1	155.0	206.3	255.5	300.2	331.9	338.4	310.0	312.2	259.8
105°	101.5	102.6	129.9	175.8	217.2	251.1	274.0	270.7	247.8	244.5	207.4
107.5°	88.4	89.5	111.4	150.7	186.7	215.1	227.1	219.4	198.7	194.3	167.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	77.5	78.6	96.1	128.8	160.5	184.5	191.0	179.0	160.5	156.1	137.6
112.5°	69.9	69.9	84.1	111.4	139.7	159.4	161.6	149.6	128.8	126.6	114.6
115°	63.3	63.3	74.2	96.1	121.2	136.5	136.5	122.3	105.9	104.8	96.1
117.5°	57.9	57.9	65.5	84.1	104.8	117.9	115.7	102.6	88.4	87.3	83.0
120°	53.5	53.5	59.0	73.1	90.6	100.4	98.3	85.2	74.2	73.1	71.0
122.5°	49.1	50.2	53.5	64.4	78.6	86.2	84.1	73.1	63.3	62.2	62.2
125°	45.9	45.9	48.0	55.7	67.7	74.2	71.0	60.0	53.5	53.5	53.5
127.5°	42.6	42.6	43.7	49.1	57.9	62.2	59.0	50.2	46.9	45.9	46.9
130°	39.3	39.3	40.4	42.6	49.1	51.3	48.0	42.6	39.3	39.3	40.4
132.5°	36.0	36.0	36.0	37.1	40.4	42.6	39.3	34.9	33.8	33.8	34.9
135°	32.8	33.8	32.8	32.8	33.8	33.8	30.6	28.4	28.4	29.5	30.6
137.5°	29.5	29.5	28.4	27.3	27.3	26.2	24.0	22.9	24.0	24.0	25.1
140°	26.2	26.2	25.1	22.9	20.7	19.7	18.6	17.5	19.7	19.7	20.7
142.5°	22.9	22.9	20.7	18.6	15.3	13.1	12.0	13.1	15.3	15.3	16.4
145°	18.6	18.6	17.5	15.3	10.9	8.7	7.6	9.8	10.9	10.9	12.0
147.5°	15.3	14.2	13.1	10.9	7.6	5.5	4.4	6.6	7.6	7.6	8.7
150°	10.9	10.9	9.8	7.6	4.4	2.2	2.2	3.3	4.4	4.4	5.5
152.5°	7.6	7.6	6.6	4.4	2.2	0.0	1.1	2.2	2.2	2.2	3.3
155°	4.4	4.4	4.4	3.3	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°	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5	327.5
2.5°	329.7	327.5	325.3	322.0	319.9	317.7	315.5	314.4	314.4	313.3	314.4
5°	341.7	338.4	331.9	326.4	319.9	315.5	311.1	308.9	306.8	305.7	305.7
7.5°	363.5	359.2	348.2	338.4	328.6	321.0	315.5	310.0	307.9	306.8	306.8
10°	395.2	388.6	372.3	358.1	343.9	334.1	324.2	318.8	315.5	313.3	313.3
12.5°	439.9	429.0	408.3	384.3	365.7	352.6	340.6	335.1	334.1	334.1	334.1
15°	500.0	484.7	453.0	424.7	397.4	374.4	365.7	365.7	364.6	363.5	364.6
17.5°	562.2	544.7	505.4	469.4	435.6	412.7	398.5	395.2	394.1	393.0	394.1
20°	636.4	614.6	568.8	519.6	477.1	455.2	435.6	426.8	425.8	426.8	424.7
22.5°	720.5	696.5	628.8	569.9	522.9	492.3	469.4	457.4	459.6	459.6	458.5
25°	822.0	784.9	705.2	625.5	568.8	526.2	500.0	488.0	489.1	491.3	493.4
27.5°	924.6	882.1	780.5	683.4	609.2	560.0	529.5	516.4	515.3	521.8	520.7
30°	1044.7	990.1	863.5	742.3	646.3	584.0	552.4	541.5	540.4	545.8	546.9
32.5°	1173.5	1105.9	949.8	801.3	679.0	604.8	568.8	561.1	558.9	564.4	565.5
35°	1314.4	1228.1	1033.8	852.6	706.3	619.0	581.9	573.1	569.9	575.3	577.5
37.5°	1450.8	1350.4	1120.1	898.4	728.1	627.7	587.3	580.8	576.4	579.7	580.8
40°	1594.9	1487.9	1207.4	939.9	741.2	632.1	589.5	583.0	578.6	578.6	578.6
42.5°	1753.2	1614.6	1278.3	969.4	748.9	631.0	587.3	579.7	574.2	569.9	569.9
45°	1915.9	1751.0	1351.5	993.4	750.0	625.5	581.9	575.3	566.6	557.8	556.8
47.5°	2074.2	1874.4	1415.9	1006.5	746.7	617.9	574.2	565.5	557.8	544.7	544.7
50°	2228.1	1997.8	1469.4	1013.1	736.9	609.2	566.6	557.8	548.0	530.6	528.4
52.5°	2368.9	2110.2	1509.8	1010.9	722.7	597.1	556.8	549.1	537.1	516.4	516.4
55°	2507.6	2213.9	1534.9	996.7	705.2	584.0	548.0	540.4	527.3	505.4	503.3
57.5°	2621.1	2288.1	1544.7	974.9	685.6	569.9	539.3	531.6	519.6	495.6	495.6
60°	2717.2	2350.4	1538.2	946.5	663.7	556.8	528.4	524.0	513.1	490.2	490.2
62.5°	2772.8	2375.5	1513.1	910.5	638.6	542.6	518.5	516.4	506.5	484.7	484.7
65°	2784.9	2359.1	1461.7	865.7	613.5	526.2	507.6	506.5	500.0	479.2	477.1
67°	2752.1	2316.5	1405.0	827.5	591.7	513.1	497.8	497.8	492.3	473.8	472.7
67.5°	2740.1	2300.1	1389.7	817.7	587.3	510.9	495.6	496.7	491.3	472.7	469.4
70°	2635.3	2189.9	1295.8	762.0	556.8	491.3	481.4	482.5	478.2	464.0	460.7
72.5°	2472.6	2031.6	1185.6	708.5	526.2	471.6	461.8	466.1	461.8	450.9	444.3
75°	2253.2	1838.4	1070.9	647.4	495.6	447.6	441.0	443.2	442.1	431.2	425.8
77.5°	1994.5	1625.5	948.7	590.6	461.8	423.6	417.0	420.3	418.1	408.3	401.7
80°	1713.9	1400.6	830.8	533.8	426.8	396.3	389.7	390.8	389.7	379.9	371.2
82.5°	1438.8	1180.1	710.7	478.2	393.0	366.8	359.2	358.1	355.9	345.0	338.4
85°	1187.7	969.4	607.0	424.7	358.1	334.1	327.5	323.1	319.9	307.9	303.5
87.5°	946.5	792.6	513.1	378.8	323.1	303.5	294.8	287.1	281.7	270.7	266.4
90°	755.4	638.6	437.8	331.9	291.5	274.0	262.0	252.2	245.6	233.6	227.1
92.5°	599.3	508.7	367.9	291.5	260.9	245.6	234.7	222.7	214.0	198.7	195.4
95°	474.9	409.4	310.0	255.5	231.4	218.3	208.5	195.4	183.4	168.1	164.8
97.5°	375.5	334.1	260.9	223.8	204.1	193.2	183.4	170.3	157.2	141.9	139.7
100°	300.2	268.6	223.8	195.4	182.3	171.4	161.6	149.6	133.2	117.9	117.9
102.5°	241.3	220.5	187.8	171.4	160.5	151.7	143.0	131.0	113.5	97.2	97.2
105°	195.4	182.3	161.6	149.6	141.9	135.4	126.6	112.4	95.0	81.9	81.9
107.5°	160.5	150.7	138.6	129.9	125.5	119.0	111.4	97.2	80.8	68.8	68.8



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	133.2	126.6	117.9	114.6	111.4	105.9	97.2	84.1	67.7	59.0	59.0
112.5°	111.4	108.1	101.5	100.4	98.3	93.9	85.2	72.1	56.8	51.3	51.3
115°	95.0	92.8	88.4	88.4	86.2	83.0	74.2	62.2	49.1	43.7	44.8
117.5°	80.8	79.7	77.5	77.5	76.4	73.1	64.4	53.5	41.5	39.3	39.3
120°	71.0	69.9	68.8	67.7	67.7	63.3	55.7	44.8	36.0	34.9	34.9
122.5°	61.1	61.1	60.0	60.0	59.0	54.6	48.0	38.2	31.7	30.6	30.6
125°	53.5	53.5	52.4	52.4	51.3	48.0	41.5	32.8	27.3	27.3	27.3
127.5°	46.9	46.9	45.9	45.9	44.8	40.4	34.9	27.3	24.0	24.0	25.1
130°	41.5	41.5	40.4	39.3	38.2	34.9	28.4	22.9	20.7	21.8	21.8
132.5°	36.0	34.9	34.9	33.8	31.7	28.4	24.0	19.7	18.6	19.7	19.7
135°	30.6	30.6	29.5	28.4	26.2	24.0	19.7	16.4	16.4	17.5	17.5
137.5°	26.2	26.2	25.1	22.9	21.8	18.6	15.3	13.1	14.2	15.3	15.3
140°	20.7	21.8	20.7	18.6	16.4	14.2	12.0	10.9	12.0	13.1	14.2
142.5°	17.5	17.5	16.4	14.2	12.0	9.8	8.7	8.7	10.9	12.0	12.0
145°	13.1	13.1	12.0	10.9	7.6	6.6	5.5	7.6	8.7	9.8	9.8
147.5°	8.7	8.7	8.7	6.6	4.4	3.3	3.3	5.5	7.6	7.6	7.6
150°	5.5	5.5	5.5	4.4	2.2	1.1	2.2	4.4	5.5	6.6	6.6
152.5°	3.3	3.3	3.3	2.2	1.1	0.0	1.1	3.3	4.4	4.4	4.4
155°	2.2	2.2	2.2	1.1	1.1	0.0	1.1	2.2	3.3	3.3	3.3
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)