

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: P416408

Luminaire Tested: **LXF.LXT-PA1-70-750-U-T3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416408
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-PA1-70-750-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 930mA 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: 7780 lumens
Efficiency: N/A
Efficacy: 105.1 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

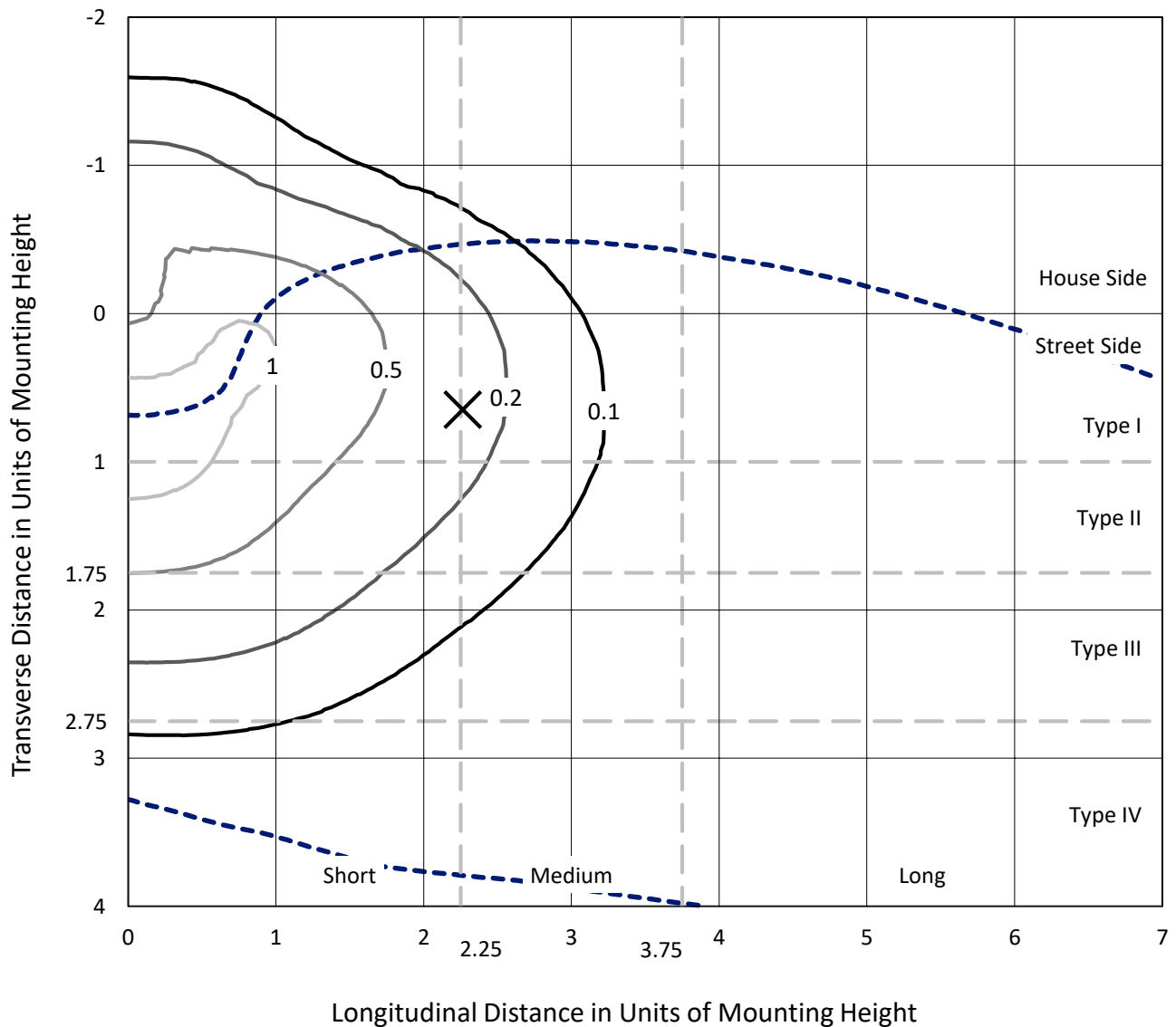
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

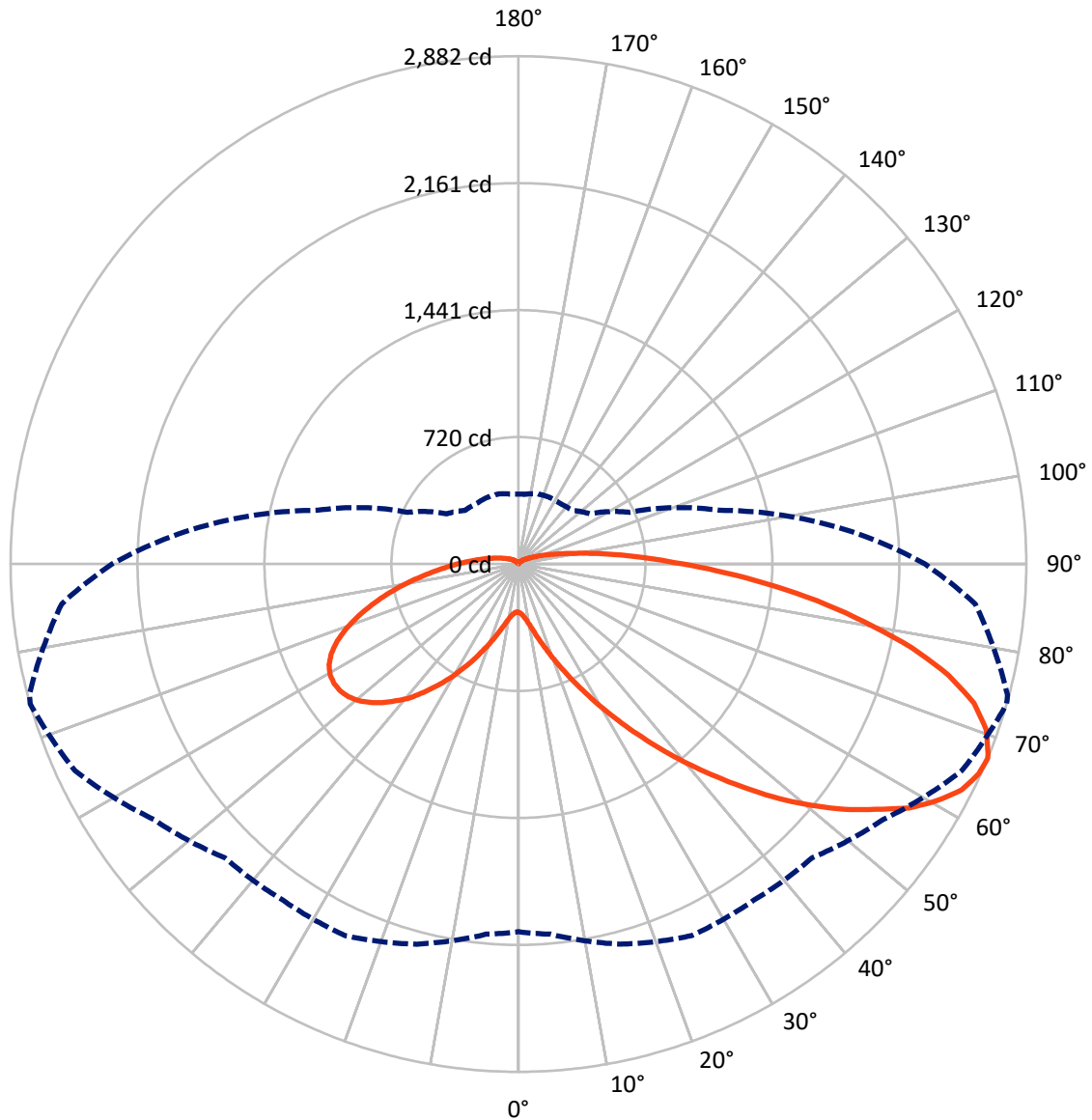
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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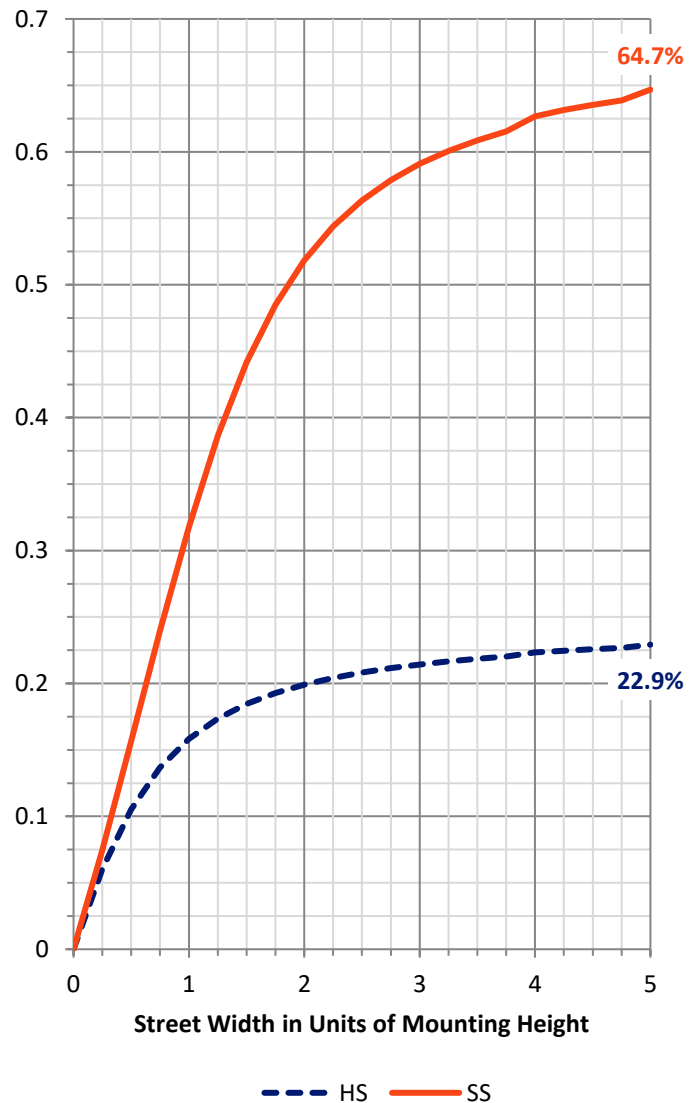
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1875.4	231.9	2107.3
	% Fixture	24.1	3.0	27.1
Street Side	Lumens	5268.8	403.8	5672.7
	% Fixture	67.7	5.2	72.9
Total	Lumens	7144.3	635.7	7780.0
	% Fixture	91.8	8.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.9	0.4
10°-20°	119.4	1.5
20°-30°	302.2	3.9
30°-40°	606.4	7.8
40°-50°	1017.9	13.1
50°-60°	1428.0	18.4
60°-70°	1596.1	20.5
70°-80°	1302.1	16.7
80°-90°	743.3	9.6
90°-100°	339.7	4.4
100°-110°	155.5	2.0
110°-120°	76.7	1.0
120°-130°	39.0	0.5
130°-140°	18.1	0.2
140°-150°	6.0	0.1
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7144.3	91.8
0°-180°	7780.0	100.0

Coefficient of Utilization



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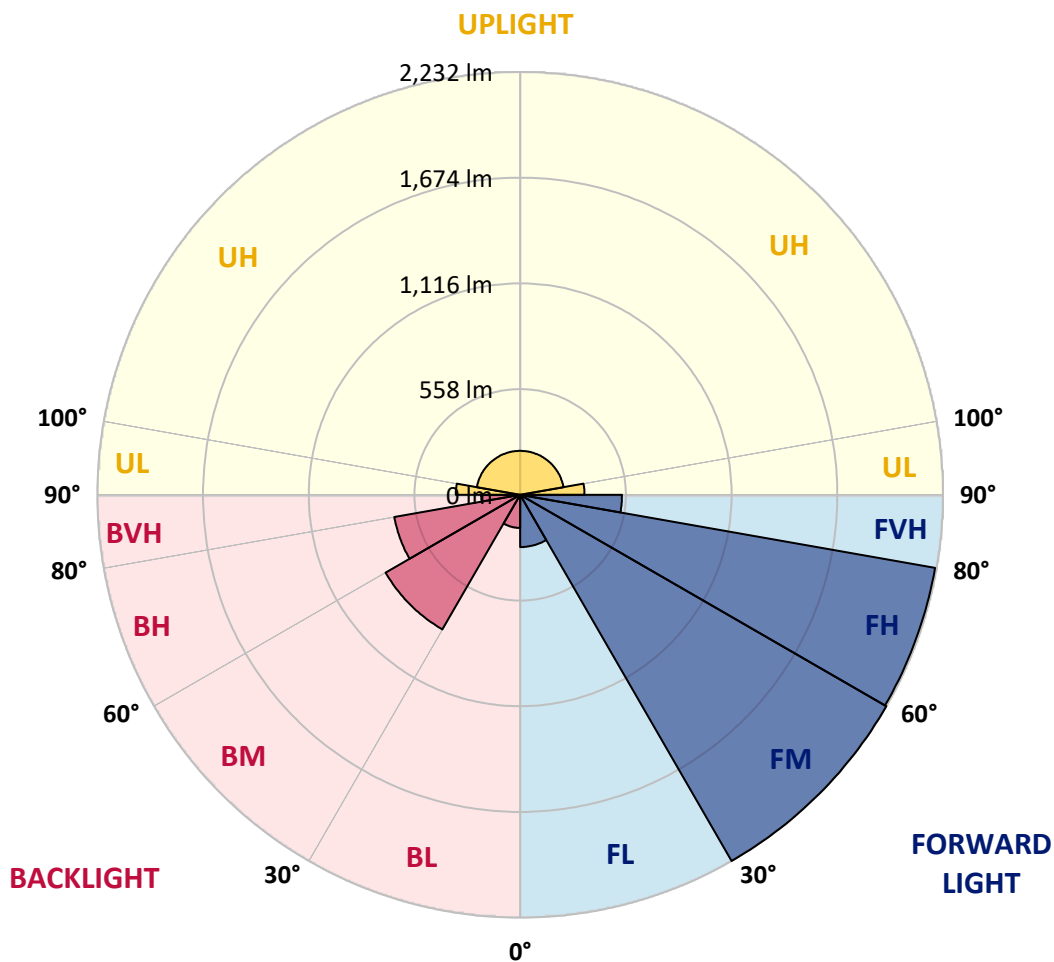
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	275.7	3.5			
FM	(30°-60°)	2231.9	28.7			
FH	(60°-80°)	2223.8	28.6			G2/5000
FVH	(80°-90°)	537.4	6.9			G4/750
BL	(0°-30°)	174.8	2.2	B1/500		
BM	(30°-60°)	820.4	10.5	B1/1000		
BH	(60°-80°)	674.4	8.7	B2/1000		G2/1000
BVH	(80°-90°)	205.9	2.6			G2/225
UL	(90°-100°)	339.7	4.4		U3/500	
UH	(100°-180°)	231.9	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°	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
2.5°	298.2	296.4	296.4	294.6	293.7	290.0	287.3	283.6	281.8	280.8	278.1
5°	325.7	322.9	322.9	321.1	317.4	312.9	306.5	302.8	296.4	297.3	289.1
7.5°	358.6	357.7	355.9	352.2	347.6	342.1	335.7	327.5	320.2	320.2	310.1
10°	402.5	397.0	397.0	392.5	387.9	379.7	370.5	361.4	351.3	350.4	336.7
12.5°	455.6	454.7	449.2	442.8	435.5	427.2	412.6	403.4	393.4	392.5	377.8
15°	517.8	515.0	507.7	505.0	494.0	479.4	467.5	458.3	448.3	444.6	425.4
17.5°	591.0	587.3	584.6	570.8	561.7	549.8	536.1	524.2	506.8	505.0	483.9
20°	677.0	668.7	660.5	649.5	634.9	623.9	609.3	598.3	578.2	578.2	549.8
22.5°	767.5	765.7	758.4	740.1	720.0	709.0	695.3	673.3	656.8	652.3	621.2
25°	877.3	875.5	860.8	841.6	820.6	804.1	782.2	758.4	744.7	743.7	709.0
27.5°	1001.7	1004.5	978.9	954.2	925.8	899.3	875.5	863.6	845.3	842.5	802.3
30°	1151.8	1139.9	1113.3	1077.7	1038.3	1004.5	979.8	967.9	956.0	955.1	906.6
32.5°	1304.5	1290.8	1267.9	1218.5	1163.7	1111.5	1099.6	1089.6	1075.8	1068.5	1020.0
35°	1473.8	1462.8	1429.9	1364.9	1291.7	1235.0	1210.3	1212.1	1205.7	1202.1	1143.5
37.5°	1660.4	1641.2	1596.4	1533.2	1425.3	1364.0	1335.6	1351.2	1347.5	1340.2	1278.9
40°	1836.0	1833.3	1785.7	1687.8	1579.0	1492.1	1472.9	1499.4	1494.8	1485.7	1418.0
42.5°	2039.1	2019.0	1965.9	1856.2	1724.4	1628.4	1607.3	1646.7	1652.2	1654.0	1563.4
45°	2213.0	2203.8	2153.5	2027.2	1875.4	1771.1	1753.7	1795.8	1814.1	1815.9	1716.2
47.5°	2382.2	2378.5	2327.3	2196.5	2022.7	1912.0	1889.1	1949.5	1987.9	1979.7	1861.7
50°	2509.4	2515.8	2474.6	2350.2	2169.0	2037.3	2042.8	2116.9	2152.6	2148.0	2017.2
52.5°	2618.2	2609.1	2591.7	2473.7	2285.2	2164.5	2170.9	2259.6	2312.7	2309.9	2164.5
55°	2658.5	2655.7	2657.6	2561.5	2380.4	2268.8	2288.0	2413.3	2457.2	2451.7	2284.3
57.5°	2650.2	2648.4	2676.8	2613.6	2457.2	2351.1	2395.0	2539.5	2611.8	2604.5	2410.6
60°	2588.0	2579.8	2641.1	2618.2	2488.3	2402.3	2479.2	2650.2	2728.0	2726.2	2513.9
62.5°	2448.1	2460.9	2545.9	2567.0	2479.2	2428.8	2529.5	2736.2	2823.1	2816.7	2588.0
65°	2253.2	2285.2	2387.7	2460.9	2417.0	2405.1	2547.8	2774.7	2870.7	2869.8	2614.6
67°	2086.7	2108.7	2233.1	2326.4	2329.1	2356.6	2526.7	2775.6	2881.7	2873.5	2601.8
67.5°	2028.2	2057.4	2183.7	2297.1	2309.0	2342.9	2518.5	2773.7	2874.4	2869.8	2595.3
70°	1762.9	1796.7	1934.8	2077.6	2150.7	2223.9	2443.5	2722.5	2815.8	2805.8	2521.2
72.5°	1493.9	1541.5	1672.3	1841.5	1948.6	2069.3	2313.6	2594.4	2704.2	2683.2	2376.7
75°	1235.9	1267.9	1395.1	1578.1	1717.1	1880.9	2136.1	2421.5	2520.3	2502.9	2192.8
77.5°	985.3	1014.5	1137.1	1321.0	1478.4	1662.2	1928.4	2204.7	2281.6	2271.5	1959.5
80°	777.6	798.6	916.7	1080.4	1242.3	1439.0	1691.5	1938.5	1988.8	1996.1	1702.5
82.5°	598.3	625.7	728.2	872.7	1025.5	1213.1	1432.6	1651.3	1707.1	1688.8	1439.0
85°	457.4	480.3	571.8	694.3	847.1	1005.4	1201.2	1380.5	1405.2	1384.1	1166.4
87.5°	357.7	375.1	446.4	565.4	687.0	822.4	978.9	1116.1	1128.9	1125.2	934.0
90°	277.2	292.7	352.2	446.4	558.0	674.2	796.8	892.9	886.5	892.0	736.4
92.5°	217.7	226.0	279.9	363.2	456.5	549.8	643.1	707.2	706.2	690.7	574.5
95°	176.6	181.1	227.8	297.3	372.3	446.4	516.0	557.1	555.3	538.8	448.3
97.5°	142.7	145.5	185.7	244.3	307.4	365.0	415.3	444.6	430.0	423.6	351.3
100°	117.1	118.9	153.7	204.0	256.1	305.6	341.2	353.1	333.0	329.3	276.3
102.5°	99.7	100.6	129.9	172.9	214.1	251.6	278.1	283.6	259.8	261.6	217.7
105°	85.1	86.0	108.9	147.3	182.0	210.4	229.6	226.9	207.7	204.9	173.8
107.5°	74.1	75.0	93.3	126.2	156.4	180.2	190.3	183.9	166.5	162.8	140.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	65.0	65.9	80.5	107.9	134.5	154.6	160.1	150.0	134.5	130.8	115.3
112.5°	58.5	58.5	70.4	93.3	117.1	133.6	135.4	125.3	107.9	106.1	96.1
115°	53.1	53.1	62.2	80.5	101.5	114.4	114.4	102.5	88.7	87.8	80.5
117.5°	48.5	48.5	54.9	70.4	87.8	98.8	97.0	86.0	74.1	73.2	69.5
120°	44.8	44.8	49.4	61.3	75.9	84.2	82.3	71.4	62.2	61.3	59.5
122.5°	41.2	42.1	44.8	54.0	65.9	72.3	70.4	61.3	53.1	52.1	52.1
125°	38.4	38.4	40.3	46.7	56.7	62.2	59.5	50.3	44.8	44.8	44.8
127.5°	35.7	35.7	36.6	41.2	48.5	52.1	49.4	42.1	39.3	38.4	39.3
130°	32.9	32.9	33.8	35.7	41.2	43.0	40.3	35.7	32.9	32.9	33.8
132.5°	30.2	30.2	30.2	31.1	33.8	35.7	32.9	29.3	28.4	28.4	29.3
135°	27.4	28.4	27.4	27.4	28.4	28.4	25.6	23.8	23.8	24.7	25.6
137.5°	24.7	24.7	23.8	22.9	22.9	22.0	20.1	19.2	20.1	20.1	21.0
140°	22.0	22.0	21.0	19.2	17.4	16.5	15.6	14.6	16.5	16.5	17.4
142.5°	19.2	19.2	17.4	15.6	12.8	11.0	10.1	11.0	12.8	12.8	13.7
145°	15.6	15.6	14.6	12.8	9.1	7.3	6.4	8.2	9.1	9.1	10.1
147.5°	12.8	11.9	11.0	9.1	6.4	4.6	3.7	5.5	6.4	6.4	7.3
150°	9.1	9.1	8.2	6.4	3.7	1.8	1.8	2.7	3.7	3.7	4.6
152.5°	6.4	6.4	5.5	3.7	1.8	0.0	0.9	1.8	1.8	1.8	2.7
155°	3.7	3.7	3.7	2.7	0.9	0.0	0.0	0.9	0.9	0.9	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9
160°	0.9	0.9	1.8	0.9	0.9	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°	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
2.5°	276.3	274.4	272.6	269.9	268.0	266.2	264.4	263.5	263.5	262.6	263.5
5°	286.3	283.6	278.1	273.5	268.0	264.4	260.7	258.9	257.1	256.1	256.1
7.5°	304.6	301.0	291.8	283.6	275.4	269.0	264.4	259.8	258.0	257.1	257.1
10°	331.2	325.7	312.0	300.1	288.2	279.9	271.7	267.1	264.4	262.6	262.6
12.5°	368.7	359.5	342.1	322.0	306.5	295.5	285.4	280.8	279.9	279.9	279.9
15°	419.0	406.2	379.7	355.9	333.0	313.8	306.5	306.5	305.6	304.6	305.6
17.5°	471.1	456.5	423.6	393.4	365.0	345.8	333.9	331.2	330.3	329.3	330.3
20°	533.3	515.0	476.6	435.5	399.8	381.5	365.0	357.7	356.8	357.7	355.9
22.5°	603.8	583.7	526.9	477.5	438.2	412.6	393.4	383.3	385.1	385.1	384.2
25°	688.9	657.8	591.0	524.2	476.6	440.9	419.0	408.9	409.8	411.7	413.5
27.5°	774.9	739.2	654.1	572.7	510.5	469.3	443.7	432.7	431.8	437.3	436.4
30°	875.5	829.7	723.6	622.1	541.6	489.4	462.9	453.8	452.8	457.4	458.3
32.5°	983.4	926.7	795.9	671.5	569.0	506.8	476.6	470.2	468.4	473.0	473.9
35°	1101.4	1029.2	866.3	714.5	591.9	518.7	487.6	480.3	477.5	482.1	483.9
37.5°	1215.8	1131.6	938.6	752.9	610.2	526.0	492.2	486.7	483.0	485.8	486.7
40°	1336.6	1246.9	1011.8	787.7	621.2	529.7	494.0	488.5	484.9	484.9	484.9
42.5°	1469.2	1353.0	1071.3	812.4	627.6	528.8	492.2	485.8	481.2	477.5	477.5
45°	1605.5	1467.4	1132.5	832.5	628.5	524.2	487.6	482.1	474.8	467.5	466.6
47.5°	1738.2	1570.7	1186.5	843.5	625.7	517.8	481.2	473.9	467.5	456.5	456.5
50°	1867.1	1674.1	1231.3	849.0	617.5	510.5	474.8	467.5	459.2	444.6	442.8
52.5°	1985.2	1768.3	1265.2	847.1	605.6	500.4	466.6	460.2	450.1	432.7	432.7
55°	2101.3	1855.3	1286.2	835.2	591.0	489.4	459.2	452.8	441.9	423.6	421.7
57.5°	2196.5	1917.5	1294.5	816.9	574.5	477.5	451.9	445.5	435.5	415.3	415.3
60°	2277.0	1969.6	1289.0	793.1	556.2	466.6	442.8	439.1	430.0	410.8	410.8
62.5°	2323.6	1990.6	1267.9	763.0	535.2	454.7	434.5	432.7	424.5	406.2	406.2
65°	2333.7	1976.9	1224.9	725.5	514.1	440.9	425.4	424.5	419.0	401.6	399.8
67°	2306.3	1941.2	1177.4	693.4	495.8	430.0	417.2	417.2	412.6	397.0	396.1
67.5°	2296.2	1927.5	1164.6	685.2	492.2	428.1	415.3	416.2	411.7	396.1	393.4
70°	2208.4	1835.1	1085.9	638.5	466.6	411.7	403.4	404.4	400.7	388.8	386.1
72.5°	2072.1	1702.5	993.5	593.7	440.9	395.2	387.0	390.6	387.0	377.8	372.3
75°	1888.2	1540.6	897.4	542.5	415.3	375.1	369.6	371.4	370.5	361.4	356.8
77.5°	1671.4	1362.2	795.0	494.9	387.0	355.0	349.5	352.2	350.4	342.1	336.7
80°	1436.3	1173.7	696.2	447.3	357.7	332.1	326.6	327.5	326.6	318.4	311.0
82.5°	1205.7	988.9	595.5	400.7	329.3	307.4	301.0	300.1	298.2	289.1	283.6
85°	995.3	812.4	508.6	355.9	300.1	279.9	274.4	270.8	268.0	258.0	254.3
87.5°	793.1	664.2	430.0	317.4	270.8	254.3	247.0	240.6	236.0	226.9	223.2
90°	633.1	535.2	366.8	278.1	244.3	229.6	219.6	211.3	205.8	195.8	190.3
92.5°	502.2	426.3	308.3	244.3	218.6	205.8	196.7	186.6	179.3	166.5	163.8
95°	397.9	343.1	259.8	214.1	193.9	183.0	174.7	163.8	153.7	140.9	138.1
97.5°	314.7	279.9	218.6	187.5	171.1	161.9	153.7	142.7	131.7	118.9	117.1
100°	251.6	225.0	187.5	163.8	152.8	143.6	135.4	125.3	111.6	98.8	98.8
102.5°	202.2	184.8	157.3	143.6	134.5	127.2	119.8	109.8	95.1	81.4	81.4
105°	163.8	152.8	135.4	125.3	118.9	113.4	106.1	94.2	79.6	68.6	68.6
107.5°	134.5	126.2	116.2	108.9	105.2	99.7	93.3	81.4	67.7	57.6	57.6



REPORT NUMBER: P416408

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	111.6	106.1	98.8	96.1	93.3	88.7	81.4	70.4	56.7	49.4	49.4
112.5°	93.3	90.6	85.1	84.2	82.3	78.7	71.4	60.4	47.6	43.0	43.0
115°	79.6	77.8	74.1	74.1	72.3	69.5	62.2	52.1	41.2	36.6	37.5
117.5°	67.7	66.8	65.0	65.0	64.0	61.3	54.0	44.8	34.8	32.9	32.9
120°	59.5	58.5	57.6	56.7	56.7	53.1	46.7	37.5	30.2	29.3	29.3
122.5°	51.2	51.2	50.3	50.3	49.4	45.7	40.3	32.0	26.5	25.6	25.6
125°	44.8	44.8	43.9	43.9	43.0	40.3	34.8	27.4	22.9	22.9	22.9
127.5°	39.3	39.3	38.4	38.4	37.5	33.8	29.3	22.9	20.1	20.1	21.0
130°	34.8	34.8	33.8	32.9	32.0	29.3	23.8	19.2	17.4	18.3	18.3
132.5°	30.2	29.3	29.3	28.4	26.5	23.8	20.1	16.5	15.6	16.5	16.5
135°	25.6	25.6	24.7	23.8	22.0	20.1	16.5	13.7	13.7	14.6	14.6
137.5°	22.0	22.0	21.0	19.2	18.3	15.6	12.8	11.0	11.9	12.8	12.8
140°	17.4	18.3	17.4	15.6	13.7	11.9	10.1	9.1	10.1	11.0	11.9
142.5°	14.6	14.6	13.7	11.9	10.1	8.2	7.3	7.3	9.1	10.1	10.1
145°	11.0	11.0	10.1	9.1	6.4	5.5	4.6	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	7.3	5.5	3.7	2.7	2.7	4.6	6.4	6.4	6.4
150°	4.6	4.6	4.6	3.7	1.8	0.9	1.8	3.7	4.6	5.5	5.5
152.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.7	3.7	3.7
155°	1.8	1.8	1.8	0.9	0.9	0.0	0.9	1.8	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8	1.8	1.8	1.8
160°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.9	1.8	0.9	0.9
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)