

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: P414717

Luminaire Tested: **LXF.LXT-PA1-30-750-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414717
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-PA1-30-750-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 375mA 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: 3517 lumens
Efficiency: N/A
Efficacy: 113.5 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: B1 - U3 - G3

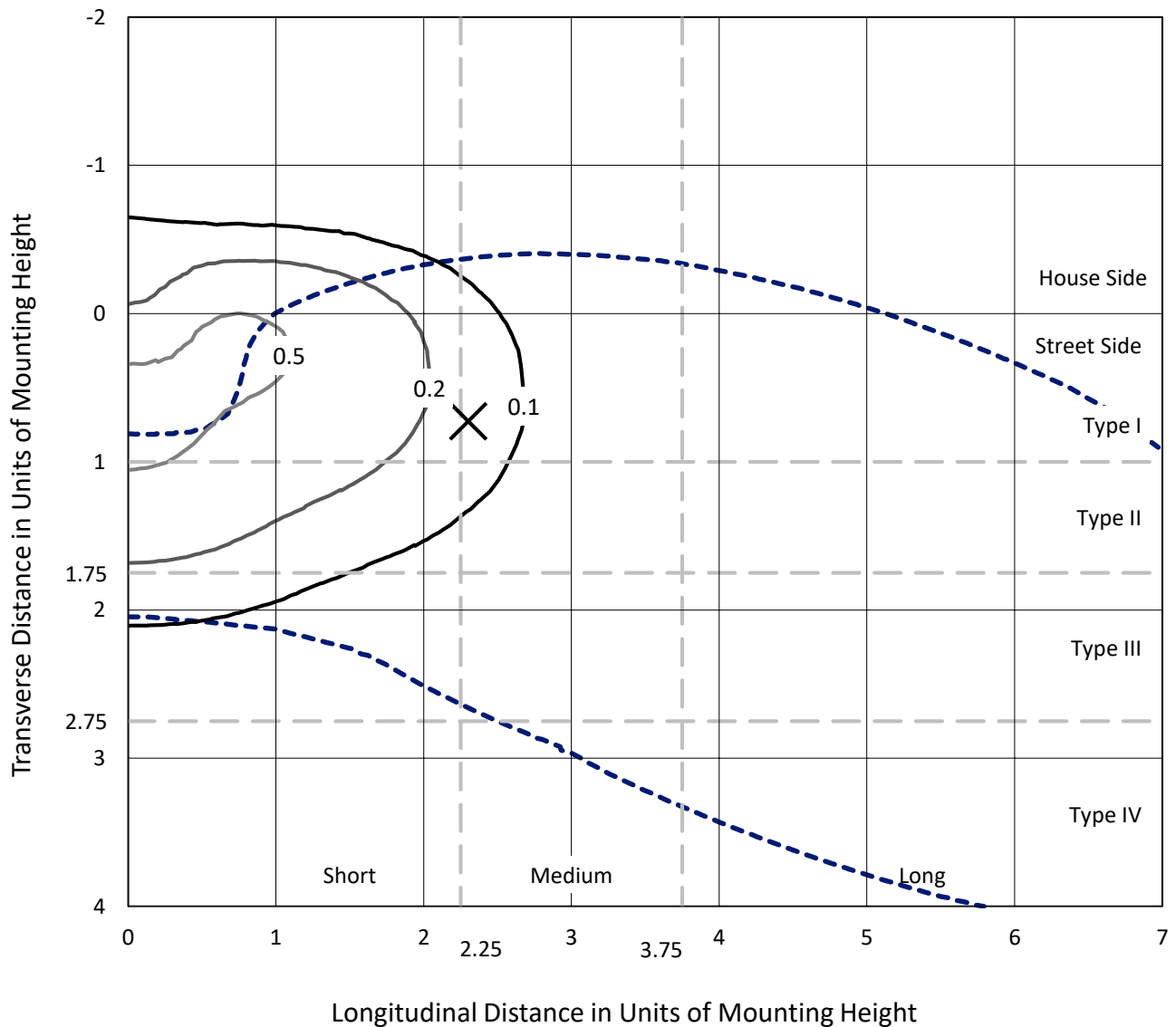
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

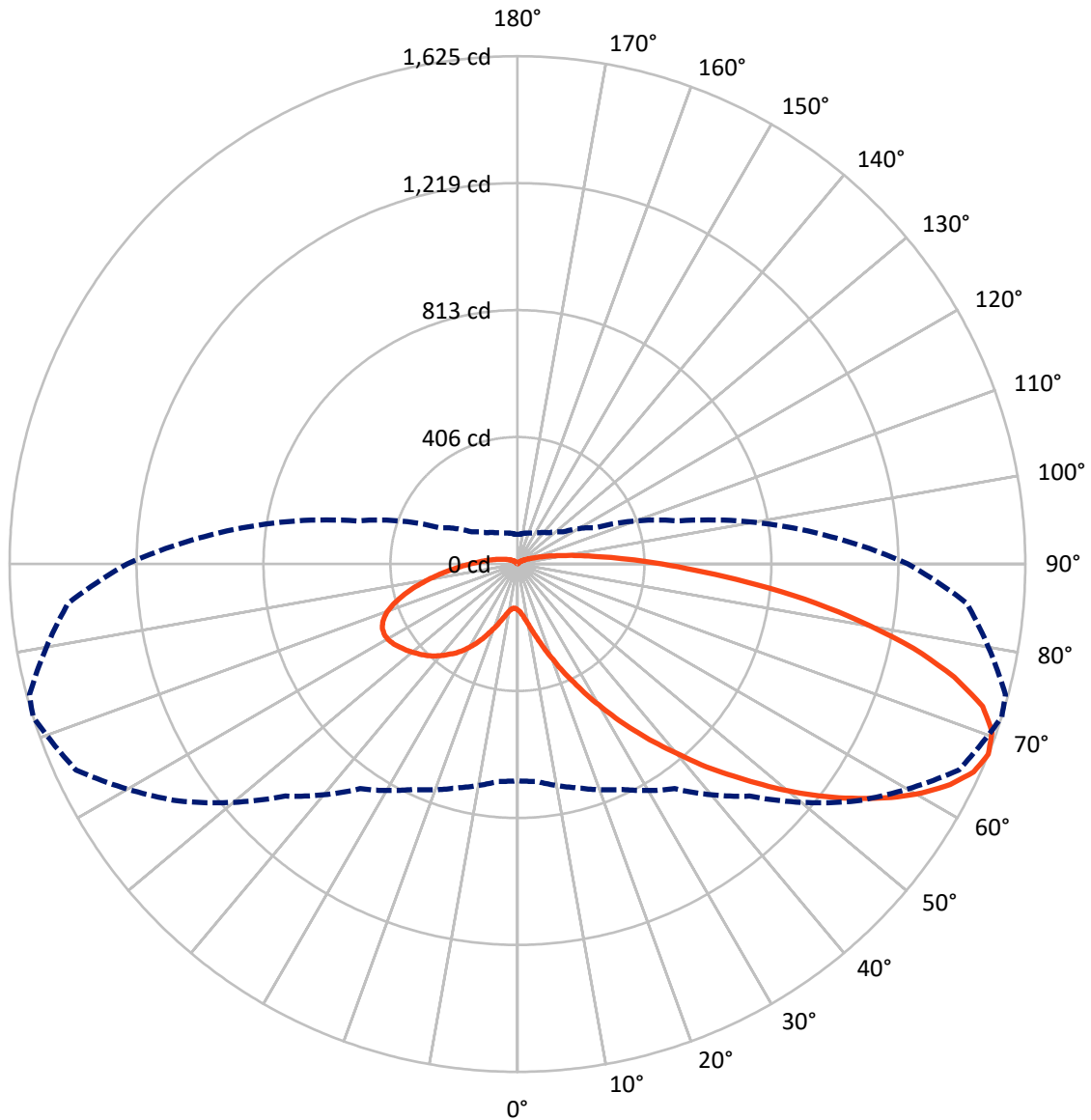
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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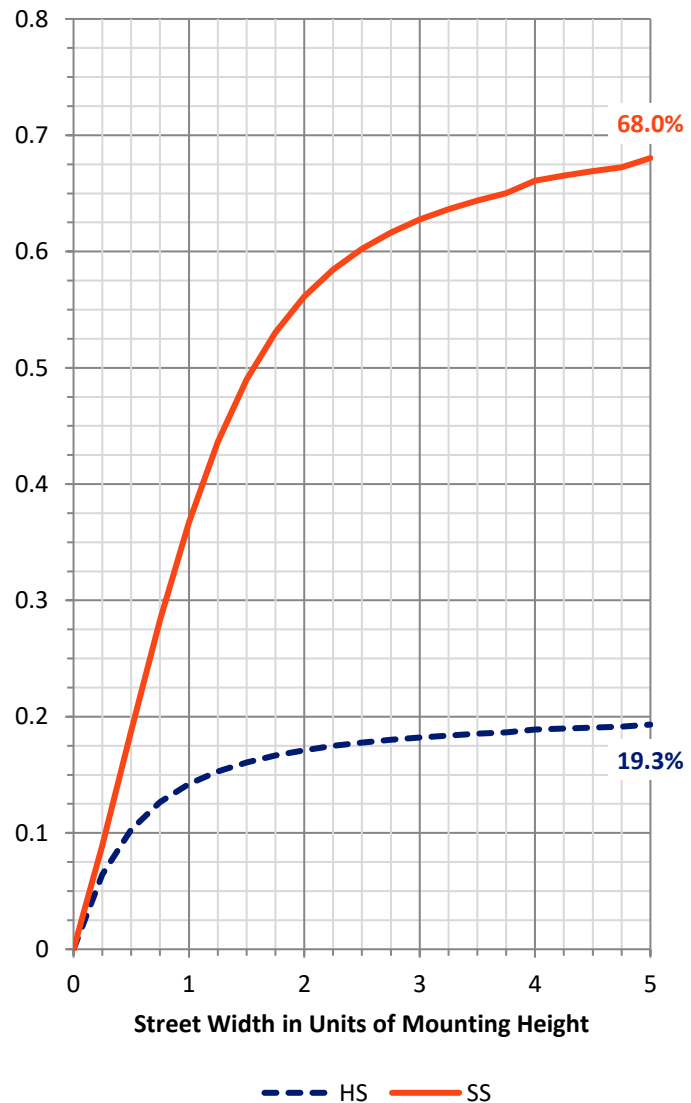
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.2	101.6	815.8
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2504.3	196.9	2701.2
	% Fixture	71.2	5.6	76.8
Total	Lumens	3218.5	298.5	3517.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.1	0.4
10°-20°	60.0	1.7
20°-30°	144.9	4.1
30°-40°	276.2	7.9
40°-50°	444.5	12.6
50°-60°	615.1	17.5
60°-70°	706.7	20.1
70°-80°	606.6	17.2
80°-90°	349.3	9.9
90°-100°	157.9	4.5
100°-110°	72.6	2.1
110°-120°	36.5	1.0
120°-130°	18.9	0.5
130°-140°	9.0	0.3
140°-150°	3.1	0.1
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3218.5	91.5
0°-180°	3517.0	100.0



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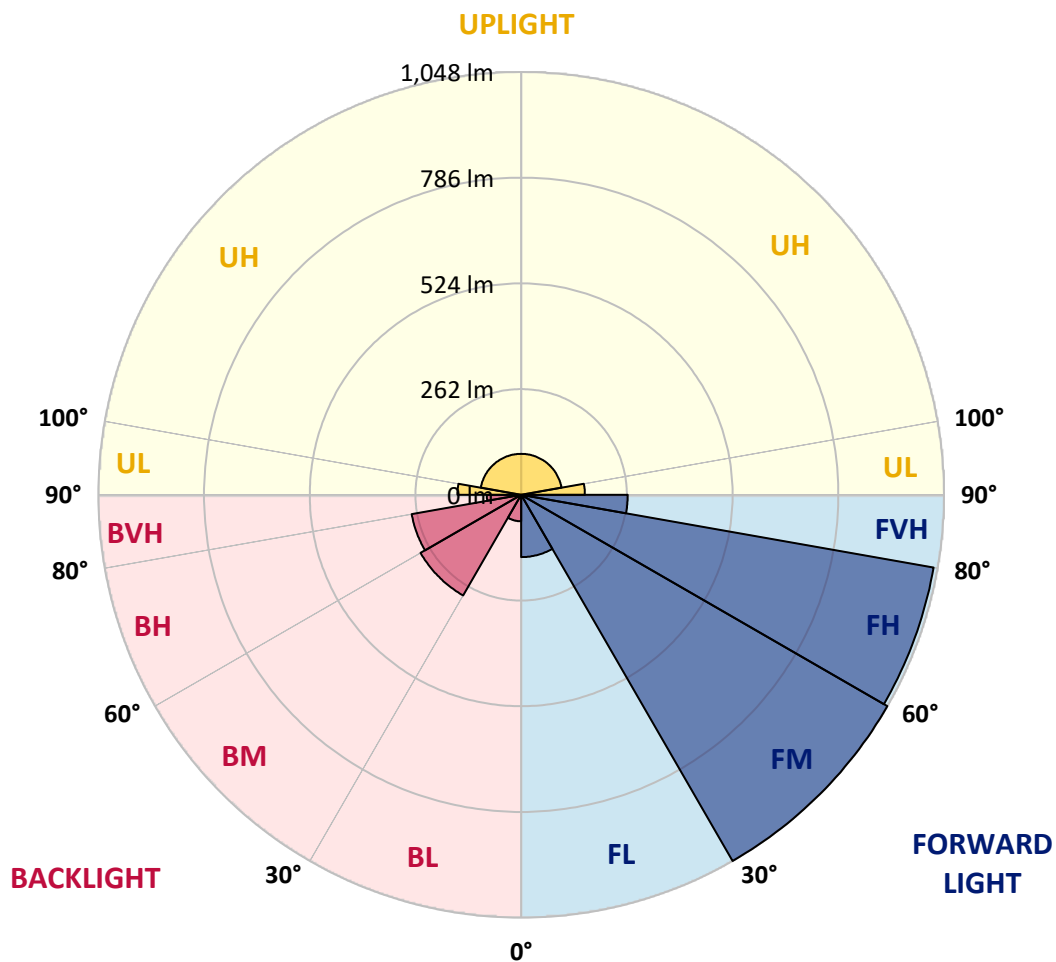
CATALOG NUMBER: LXF.LXT-PA1-30-750-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	154.4	4.4			
FM	(30°-60°)	1047.9	29.8			
FH	(60°-80°)	1037.9	29.5			G1/1800
FVH	(80°-90°)	264.0	7.5			G3/500
BL	(0°-30°)	65.6	1.9	B0/110		
BM	(30°-60°)	288.0	8.2	B1/1000		
BH	(60°-80°)	275.4	7.8	B1/500		G1/500
BVH	(80°-90°)	85.2	2.4			G1/100
UL	(90°-100°)	157.9	4.5		U3/500	
UH	(100°-180°)	101.6	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	164.5	164.1	164.5	163.2	161.9	159.4	157.7	154.3	152.6	151.8	148.4
5°	187.7	187.3	186.9	185.2	181.0	178.0	172.9	167.0	163.2	161.5	156.0
7.5°	213.1	212.3	211.4	207.6	204.6	199.6	192.0	184.3	178.0	176.7	166.6
10°	241.9	241.0	239.3	236.4	230.9	223.7	216.9	205.9	197.9	194.1	183.1
12.5°	271.5	273.1	271.0	265.1	258.8	252.0	242.3	231.7	223.2	220.3	203.4
15°	307.4	308.7	306.5	299.8	293.0	282.9	275.3	264.3	252.8	251.2	232.6
17.5°	347.1	346.7	342.5	336.1	330.2	322.2	311.2	301.0	288.4	285.4	262.6
20°	390.3	388.6	384.8	374.2	368.7	359.4	352.6	338.7	326.4	322.2	299.4
22.5°	433.4	432.5	429.2	419.4	412.7	404.6	394.5	381.8	373.3	364.9	339.5
25°	487.5	482.4	478.2	460.9	454.5	446.9	438.0	427.5	419.4	414.8	385.6
27.5°	541.6	537.8	528.1	515.4	503.2	490.9	487.1	477.8	475.2	471.4	438.5
30°	595.3	593.6	583.1	567.0	549.2	537.4	535.3	536.1	532.3	527.7	492.6
32.5°	656.2	652.4	640.6	619.0	600.4	586.5	586.5	592.4	595.8	591.1	553.9
35°	715.8	712.5	697.7	671.0	650.3	633.4	640.1	654.1	662.1	662.1	616.0
37.5°	778.8	771.2	756.0	728.1	700.2	687.9	695.5	719.6	731.5	731.5	685.0
40°	833.8	833.4	812.7	779.3	751.8	733.6	756.8	789.0	804.6	803.4	754.3
42.5°	888.8	888.3	868.5	831.7	797.0	787.7	816.9	862.1	887.5	887.5	824.5
45°	938.2	934.9	917.9	877.4	845.2	841.0	884.1	941.6	967.8	972.1	900.6
47.5°	974.6	971.6	956.8	917.5	887.1	894.7	946.7	1019.8	1055.4	1054.9	978.4
50°	999.1	996.2	983.5	949.7	923.4	942.5	1014.8	1102.7	1147.1	1150.5	1055.4
52.5°	1006.3	1004.6	997.9	969.9	953.0	985.6	1078.6	1187.3	1237.6	1240.6	1139.5
55°	994.0	994.0	993.6	976.7	969.9	1024.1	1144.6	1269.7	1324.3	1329.8	1222.4
57.5°	965.3	966.6	974.2	968.7	978.8	1054.9	1200.4	1344.1	1410.1	1413.5	1296.4
60°	921.7	919.2	936.1	946.3	973.8	1074.4	1249.9	1419.0	1487.9	1489.2	1361.5
62.5°	855.8	857.1	881.6	908.2	955.6	1082.4	1293.4	1484.5	1554.3	1557.2	1412.2
65°	778.0	780.9	814.4	859.2	924.3	1074.0	1318.4	1534.8	1604.6	1600.8	1441.4
67.5°	693.8	698.1	741.6	796.2	877.8	1050.3	1322.6	1558.9	1625.3	1616.9	1443.9
70°	601.7	612.7	656.2	727.3	817.7	1005.0	1298.1	1554.7	1611.4	1603.3	1406.3
72.5°	518.0	526.0	573.8	647.8	750.5	939.5	1246.0	1506.1	1556.8	1540.8	1327.7
75°	434.7	446.9	492.2	571.2	677.8	858.3	1157.7	1412.2	1443.5	1426.2	1210.5
77.5°	363.6	374.6	419.4	495.5	597.9	773.3	1041.8	1269.7	1295.5	1277.8	1062.5
80°	296.4	308.7	352.2	427.0	523.0	673.6	909.1	1103.1	1112.9	1085.0	899.3
82.5°	247.8	254.1	294.7	360.7	449.0	581.0	772.9	925.6	926.0	892.6	730.6
85°	202.5	206.3	243.5	303.2	378.8	490.9	634.7	745.4	737.0	718.8	563.2
87.5°	164.1	167.9	201.3	255.0	318.8	409.7	518.0	586.9	567.0	552.6	437.2
90°	134.5	138.7	166.2	212.7	267.6	338.3	412.2	453.7	435.9	424.9	337.0
92.5°	109.9	114.2	138.3	178.0	226.6	276.9	327.7	347.1	334.9	322.2	254.1
95°	93.0	93.9	115.4	148.8	187.3	223.7	256.7	268.1	251.2	246.5	196.6
97.5°	76.5	79.1	96.0	125.6	156.4	186.5	203.4	209.3	194.1	183.9	150.5
100°	65.1	66.4	81.2	104.9	130.2	151.8	164.9	161.9	148.4	142.5	114.2
102.5°	55.8	57.1	68.9	90.9	110.8	126.4	132.8	128.1	115.4	111.6	89.6
105°	49.0	49.5	59.2	77.0	93.9	107.0	109.5	102.3	90.1	85.0	70.6
107.5°	43.6	44.0	51.6	66.8	81.2	90.1	90.9	82.9	71.0	67.2	56.7
110°	38.9	39.7	45.2	57.9	70.2	77.0	76.1	67.7	56.7	53.3	46.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	35.1	35.9	40.2	50.7	60.9	66.8	64.7	54.5	45.2	43.1	38.5
115°	32.1	33.0	36.4	44.8	53.7	57.9	54.5	45.2	37.2	34.7	32.1
117.5°	30.0	30.4	33.0	39.7	46.5	49.9	46.1	37.6	30.4	28.8	27.5
120°	27.9	28.3	30.4	35.1	41.0	42.7	38.9	30.9	25.4	24.5	24.1
122.5°	26.2	26.2	27.9	31.3	35.5	36.8	33.0	25.8	21.6	20.7	21.1
125°	24.5	24.5	25.4	27.9	30.9	31.7	27.5	21.6	18.2	17.8	18.6
127.5°	22.8	22.8	23.3	24.9	26.6	26.6	22.8	17.8	15.6	15.2	16.5
130°	21.1	21.1	21.1	22.0	22.8	22.4	18.6	14.8	13.5	13.5	14.4
132.5°	19.4	19.4	19.4	19.4	19.0	18.2	15.2	11.8	11.8	11.8	12.7
135°	17.3	17.3	17.3	16.9	16.1	14.8	11.8	9.7	9.7	10.1	11.0
137.5°	15.6	15.6	15.2	14.4	13.1	11.4	9.3	7.6	8.5	8.5	9.3
140°	13.5	13.5	13.1	11.8	10.1	8.5	6.8	6.3	6.8	7.2	8.0
142.5°	11.4	11.4	11.0	9.7	8.0	5.9	4.7	4.7	5.5	5.5	6.3
145°	9.3	9.3	8.9	7.6	5.5	3.8	3.0	3.4	4.2	4.2	4.7
147.5°	7.2	7.2	6.8	5.5	3.8	2.5	1.7	2.5	3.0	3.0	3.4
150°	5.1	5.1	4.7	3.8	2.5	1.3	0.8	1.3	1.7	2.1	2.1
152.5°	3.4	3.4	3.0	2.5	1.3	0.4	0.8	1.3	1.3	1.3	1.7
155°	2.1	1.7	1.7	1.3	0.4	0.0	0.4	0.8	0.8	0.8	1.3
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.4	0.4	0.4	0.8	0.8
160°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
162.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
165°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
167.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
170°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
172.5°	0.0	0.4	0.4	0.8	0.4	0.0	0.4	0.4	0.4	0.4	0.4
175°	0.0	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.0	0.4	0.4	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7	146.7
2.5°	147.6	145.9	143.3	140.8	138.3	136.6	134.9	134.0	132.8	131.5	131.5
5°	152.6	149.3	143.3	137.4	131.9	127.3	122.6	120.1	118.4	116.7	117.1
7.5°	161.9	156.9	147.1	137.4	128.5	120.9	114.6	109.5	106.1	104.0	104.4
10°	175.0	169.6	154.8	140.8	128.1	117.1	108.2	101.1	96.8	94.7	94.7
12.5°	195.8	186.5	167.0	147.1	130.2	115.4	104.0	95.6	89.6	87.1	86.7
15°	220.7	207.6	183.9	159.4	135.3	115.4	100.6	94.7	90.9	89.2	88.8
17.5°	250.3	235.9	203.4	170.8	142.1	118.0	105.3	98.1	93.9	92.2	91.8
20°	282.4	265.5	224.5	185.2	148.8	125.6	109.9	101.1	96.4	94.7	94.7
22.5°	321.8	299.4	247.3	197.9	157.3	131.9	114.6	103.6	99.4	97.7	97.2
25°	362.4	337.0	274.4	211.4	166.6	137.0	118.0	106.1	101.9	100.2	100.6
27.5°	410.1	377.6	301.0	224.9	174.6	140.0	119.7	108.2	104.0	102.7	103.2
30°	460.0	419.0	324.7	238.9	180.1	142.1	120.9	109.9	105.3	104.4	104.4
32.5°	512.9	466.4	349.2	251.2	183.5	142.5	120.9	110.8	106.1	105.7	106.1
35°	567.0	512.0	372.9	260.9	185.2	142.1	120.5	111.6	106.1	106.1	106.1
37.5°	627.0	556.9	392.8	267.6	185.6	140.8	120.1	111.2	106.1	106.1	106.6
40°	688.8	604.6	414.8	273.1	185.2	140.0	119.7	111.2	106.1	106.1	106.6
42.5°	750.1	649.0	435.5	276.5	184.3	139.1	119.2	111.2	106.1	105.3	105.7
45°	816.5	700.6	455.4	278.6	183.5	138.7	119.2	110.8	106.1	104.4	104.9
47.5°	878.2	748.4	471.4	281.2	183.1	138.7	119.7	110.8	105.7	104.0	104.0
50°	948.0	797.9	487.9	282.0	182.2	138.7	119.7	110.8	105.3	102.7	103.2
52.5°	1016.9	847.8	504.0	283.7	182.2	139.1	120.1	110.8	104.9	101.5	101.5
55°	1082.8	892.1	518.4	285.0	182.2	140.0	121.3	110.8	104.4	100.2	100.2
57.5°	1143.3	937.8	532.8	285.4	182.2	140.8	121.3	111.2	104.0	98.9	98.9
60°	1197.0	977.1	542.9	285.8	181.8	141.6	122.2	110.8	103.6	97.7	97.7
62.5°	1235.1	1007.2	548.0	284.6	181.8	141.6	122.6	110.8	103.2	97.2	96.8
65°	1256.6	1017.7	545.0	280.8	181.0	141.6	122.2	110.4	102.3	96.4	96.0
67.5°	1249.4	1006.3	532.3	274.8	178.9	141.2	122.2	109.5	102.3	96.0	95.1
70°	1210.5	972.1	508.2	266.0	175.9	139.5	120.5	108.2	101.5	95.6	94.7
72.5°	1134.4	903.1	473.1	252.0	170.8	137.0	118.4	106.1	99.8	94.3	93.0
75°	1028.7	821.1	430.4	237.6	164.5	133.6	115.9	104.0	97.7	92.6	91.3
77.5°	893.0	711.6	383.1	219.0	156.4	129.0	112.5	100.6	94.7	90.1	88.4
80°	752.2	599.6	331.9	199.6	148.0	123.0	107.4	96.4	90.9	86.7	84.6
82.5°	608.9	492.6	284.1	181.0	138.3	116.3	102.3	91.8	86.7	82.0	79.9
85°	480.3	389.4	238.0	161.5	128.1	109.5	96.4	86.3	81.6	76.5	74.4
87.5°	373.8	309.1	199.1	143.8	117.1	101.9	90.1	80.8	75.3	70.6	68.9
90°	291.3	243.5	166.6	126.8	107.4	94.3	83.3	74.8	69.3	64.7	62.6
92.5°	222.0	192.8	139.5	112.0	97.7	86.7	77.0	68.9	63.4	58.3	56.2
95°	173.8	153.1	118.0	98.5	87.9	78.6	70.6	63.0	57.1	51.6	50.3
97.5°	134.9	122.6	99.4	86.3	79.5	71.0	63.8	57.1	51.2	45.7	44.4
100°	106.6	97.7	84.1	76.5	70.6	63.8	57.5	51.6	45.2	39.3	38.9
102.5°	84.1	80.3	71.5	67.2	62.6	57.5	52.0	45.7	39.3	33.8	33.4
105°	68.9	65.5	61.3	58.8	55.8	51.2	46.1	40.6	34.2	29.2	29.2
107.5°	55.8	54.1	52.0	51.6	49.5	45.7	41.4	35.9	29.6	25.4	25.4
110°	45.7	45.2	45.2	45.2	44.0	41.0	36.8	31.3	24.9	22.0	22.0



REPORT NUMBER: P414717

CATALOG NUMBER: LXF.LXT-PA1-30-750-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	38.5	38.5	38.9	39.7	38.9	35.9	32.1	27.1	21.6	19.0	19.0
115°	32.6	33.0	34.2	34.7	34.2	32.1	28.3	23.3	18.2	16.5	16.9
117.5°	28.3	28.3	30.0	30.9	30.4	28.3	24.5	19.9	15.6	14.8	14.8
120°	24.5	25.4	26.6	27.1	26.6	24.5	21.6	16.9	13.5	13.1	13.1
122.5°	21.6	22.0	23.3	24.1	23.3	21.6	18.2	14.4	11.4	11.4	11.8
125°	19.0	19.4	20.3	21.1	20.3	18.2	15.6	11.8	10.1	10.1	10.1
127.5°	16.9	17.3	18.2	18.2	17.3	15.6	13.1	10.1	8.5	8.9	8.9
130°	14.8	15.2	15.6	15.6	15.2	13.5	11.0	8.5	7.6	8.0	8.0
132.5°	13.1	13.5	13.5	13.5	12.7	11.4	9.3	7.2	6.8	7.2	7.2
135°	11.4	11.4	11.8	11.4	10.6	9.3	7.2	5.9	5.9	6.3	6.3
137.5°	9.7	10.1	10.1	9.3	8.5	7.2	5.9	5.1	5.1	5.5	5.5
140°	8.0	8.5	8.0	7.6	6.8	5.9	4.7	3.8	4.2	4.7	4.7
142.5°	6.8	6.8	6.8	5.9	5.1	4.2	3.4	3.4	3.8	3.8	4.2
145°	5.1	5.1	5.1	4.7	3.8	3.0	2.5	2.5	3.0	3.4	3.4
147.5°	3.8	3.8	3.8	3.4	2.5	2.1	1.7	2.1	2.5	3.0	2.5
150°	2.5	2.5	2.5	2.1	1.7	1.3	1.3	1.7	2.1	2.1	2.1
152.5°	1.7	1.7	1.7	1.7	1.3	0.4	0.8	1.3	1.7	1.7	1.7
155°	1.3	1.3	1.3	1.3	0.8	0.0	0.4	0.8	1.3	1.3	1.3
157.5°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.8	0.8	0.8	0.8
160°	0.4	0.8	0.8	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.4	0.0
165°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
167.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
170°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
172.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
175°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
177.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.4	0.4	0.0	0.0
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

(END OF REPORT)