

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: P414925

Luminaire Tested: **LXF.LXT-PA1-40-722-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414925
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-PA1-40-722-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA 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: 3348 lumens
Efficiency: N/A
Efficacy: 83.7 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: B1 - U3 - G3

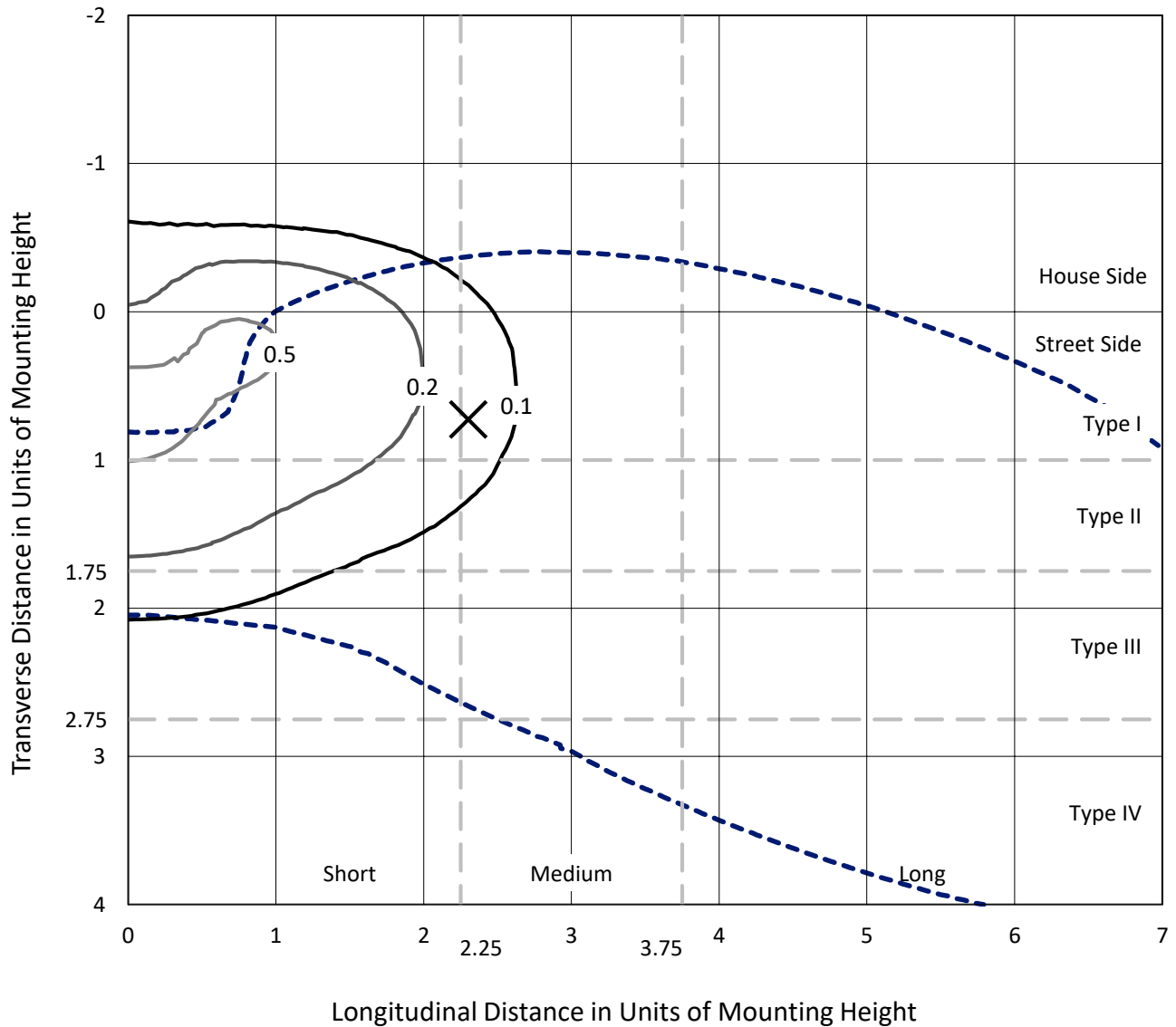
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

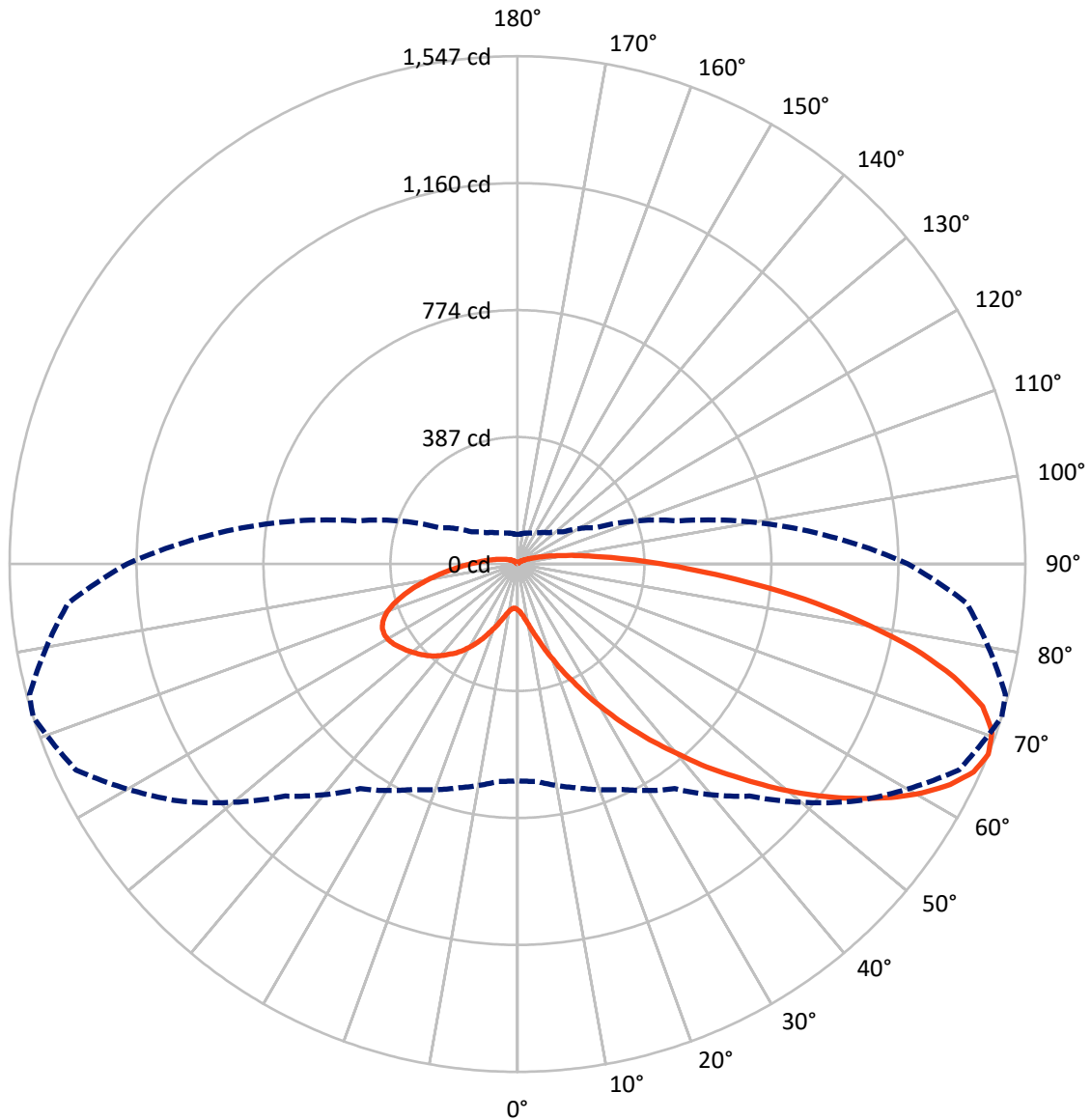
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	679.9	96.7	776.6
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	2383.9	187.5	2571.4
	% Fixture	71.2	5.6	76.8
Total	Lumens	3063.8	284.2	3348.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	0.4
10°-20°	57.1	1.7
20°-30°	137.9	4.1
30°-40°	262.9	7.9
40°-50°	423.2	12.6
50°-60°	585.5	17.5
60°-70°	672.8	20.1
70°-80°	577.5	17.2
80°-90°	332.5	9.9
90°-100°	150.3	4.5
100°-110°	69.1	2.1
110°-120°	34.7	1.0
120°-130°	18.0	0.5
130°-140°	8.6	0.3
140°-150°	2.9	0.1
150°-160°	0.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3063.8	91.5
0°-180°	3348.0	100.0



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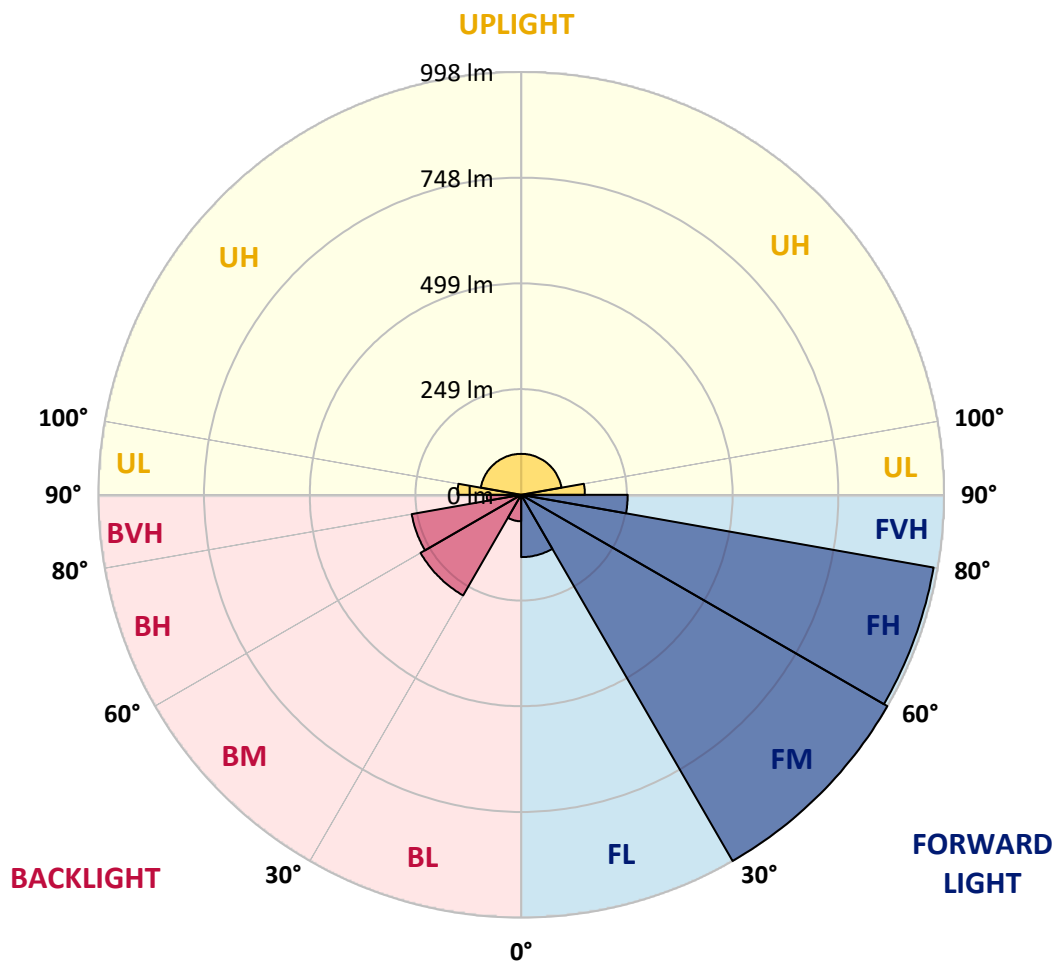
CATALOG NUMBER: LXF.LXT-PA1-40-722-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.0	4.4			
FM	(30°-60°)	997.5	29.8			
FH	(60°-80°)	988.1	29.5			G1/1800
FVH	(80°-90°)	251.3	7.5			G3/500
BL	(0°-30°)	62.4	1.9	B0/110		
BM	(30°-60°)	274.1	8.2	B1/1000		
BH	(60°-80°)	262.2	7.8	B1/500		G1/500
BVH	(80°-90°)	81.1	2.4			G1/100
UL	(90°-100°)	150.3	4.5		U3/500	
UH	(100°-180°)	96.7	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°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	156.6	156.2	156.6	155.4	154.2	151.7	150.1	146.9	145.3	144.5	141.3
5°	178.7	178.3	177.9	176.3	172.3	169.5	164.6	159.0	155.4	153.8	148.5
7.5°	202.9	202.1	201.3	197.6	194.8	190.0	182.7	175.5	169.5	168.2	158.6
10°	230.2	229.4	227.8	225.0	219.8	212.9	206.5	196.0	188.4	184.7	174.3
12.5°	258.4	260.0	258.0	252.4	246.3	239.9	230.6	220.6	212.5	209.7	193.6
15°	292.6	293.8	291.8	285.4	278.9	269.3	262.0	251.6	240.7	239.1	221.4
17.5°	330.5	330.1	326.0	320.0	314.4	306.7	296.2	286.6	274.5	271.7	250.0
20°	371.5	369.9	366.3	356.2	351.0	342.1	335.7	322.4	310.7	306.7	285.0
22.5°	412.6	411.8	408.5	399.3	392.8	385.2	375.5	363.5	355.4	347.4	323.2
25°	464.1	459.3	455.2	438.7	432.7	425.4	417.0	406.9	399.3	394.9	367.1
27.5°	515.6	512.0	502.7	490.7	479.0	467.3	463.7	454.8	452.4	448.8	417.4
30°	566.7	565.1	555.1	539.8	522.9	511.6	509.6	510.4	506.8	502.3	468.9
32.5°	624.7	621.1	609.8	589.3	571.6	558.3	558.3	563.9	567.1	562.7	527.3
35°	681.4	678.2	664.1	638.8	619.0	602.9	609.4	622.7	630.3	630.3	586.4
37.5°	741.4	734.2	719.7	693.1	666.5	654.9	662.1	685.1	696.3	696.3	652.1
40°	793.7	793.3	773.6	741.8	715.6	698.3	720.5	751.1	766.0	764.8	718.1
42.5°	846.1	845.7	826.7	791.7	758.7	749.9	777.6	820.7	844.9	844.9	784.9
45°	893.2	889.9	873.8	835.2	804.6	800.6	841.6	896.4	921.3	925.4	857.3
47.5°	927.8	925.0	910.9	873.4	844.4	851.7	901.2	970.8	1004.6	1004.2	931.4
50°	951.1	948.3	936.2	904.0	879.1	897.2	966.0	1049.7	1092.0	1095.2	1004.6
52.5°	958.0	956.3	949.9	923.3	907.2	938.2	1026.8	1130.2	1178.1	1180.9	1084.7
55°	946.3	946.3	945.9	929.8	923.3	974.9	1089.6	1208.7	1260.6	1265.9	1163.6
57.5°	918.9	920.1	927.4	922.1	931.8	1004.2	1142.7	1279.6	1342.3	1345.6	1234.1
60°	877.5	875.0	891.1	900.8	927.0	1022.8	1189.8	1350.8	1416.4	1417.6	1296.1
62.5°	814.7	815.9	839.2	864.6	909.7	1030.4	1231.3	1413.2	1479.6	1482.4	1344.4
65°	740.6	743.4	775.2	817.9	879.9	1022.4	1255.0	1461.1	1527.5	1523.9	1372.1
67.5°	660.5	664.5	706.0	757.9	835.6	999.8	1259.0	1484.0	1547.2	1539.2	1374.5
70°	572.8	583.2	624.7	692.3	778.4	956.7	1235.7	1480.0	1533.9	1526.3	1338.7
72.5°	493.1	500.7	546.2	616.6	714.4	894.4	1186.2	1433.7	1482.0	1466.7	1263.9
75°	413.8	425.4	468.5	543.8	645.2	817.1	1102.1	1344.4	1374.1	1357.6	1152.4
77.5°	346.2	356.6	399.3	471.7	569.1	736.2	991.8	1208.7	1233.3	1216.4	1011.5
80°	282.2	293.8	335.3	406.5	497.9	641.2	865.4	1050.1	1059.4	1032.8	856.1
82.5°	235.9	241.9	280.5	343.3	427.5	553.0	735.8	881.1	881.5	849.7	695.5
85°	192.8	196.4	231.8	288.6	360.6	467.3	604.2	709.6	701.6	684.3	536.1
87.5°	156.2	159.8	191.6	242.7	303.5	390.0	493.1	558.7	539.8	526.1	416.2
90°	128.0	132.0	158.2	202.5	254.8	322.0	392.4	431.9	415.0	404.5	320.8
92.5°	104.7	108.7	131.6	169.5	215.7	263.6	311.9	330.5	318.8	306.7	241.9
95°	88.6	89.4	109.9	141.7	178.3	212.9	244.3	255.2	239.1	234.7	187.2
97.5°	72.9	75.3	91.4	119.5	148.9	177.5	193.6	199.2	184.7	175.1	143.3
100°	62.0	63.2	77.3	99.8	124.0	144.5	157.0	154.2	141.3	135.6	108.7
102.5°	53.1	54.3	65.6	86.5	105.5	120.3	126.4	122.0	109.9	106.3	85.3
105°	46.7	47.1	56.4	73.3	89.4	101.8	104.2	97.4	85.7	80.9	67.2
107.5°	41.5	41.9	49.1	63.6	77.3	85.7	86.5	78.9	67.6	64.0	53.9
110°	37.0	37.8	43.1	55.1	66.8	73.3	72.5	64.4	53.9	50.7	44.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	33.4	34.2	38.2	48.3	58.0	63.6	61.6	51.9	43.1	41.1	36.6
115°	30.6	31.4	34.6	42.7	51.1	55.1	51.9	43.1	35.4	33.0	30.6
117.5°	28.6	29.0	31.4	37.8	44.3	47.5	43.9	35.8	29.0	27.4	26.2
120°	26.6	27.0	29.0	33.4	39.0	40.7	37.0	29.4	24.2	23.3	22.9
122.5°	25.0	25.0	26.6	29.8	33.8	35.0	31.4	24.6	20.5	19.7	20.1
125°	23.3	23.3	24.2	26.6	29.4	30.2	26.2	20.5	17.3	16.9	17.7
127.5°	21.7	21.7	22.1	23.7	25.4	25.4	21.7	16.9	14.9	14.5	15.7
130°	20.1	20.1	20.1	20.9	21.7	21.3	17.7	14.1	12.9	12.9	13.7
132.5°	18.5	18.5	18.5	18.5	18.1	17.3	14.5	11.3	11.3	11.3	12.1
135°	16.5	16.5	16.5	16.1	15.3	14.1	11.3	9.3	9.3	9.7	10.5
137.5°	14.9	14.9	14.5	13.7	12.5	10.9	8.9	7.2	8.1	8.1	8.9
140°	12.9	12.9	12.5	11.3	9.7	8.1	6.4	6.0	6.4	6.8	7.6
142.5°	10.9	10.9	10.5	9.3	7.6	5.6	4.4	4.4	5.2	5.2	6.0
145°	8.9	8.9	8.5	7.2	5.2	3.6	2.8	3.2	4.0	4.0	4.4
147.5°	6.8	6.8	6.4	5.2	3.6	2.4	1.6	2.4	2.8	2.8	3.2
150°	4.8	4.8	4.4	3.6	2.4	1.2	0.8	1.2	1.6	2.0	2.0
152.5°	3.2	3.2	2.8	2.4	1.2	0.4	0.8	1.2	1.2	1.2	1.6
155°	2.0	1.6	1.6	1.2	0.4	0.0	0.4	0.8	0.8	0.8	1.2
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°	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7	139.7
2.5°	140.5	138.9	136.4	134.0	131.6	130.0	128.4	127.6	126.4	125.2	125.2
5°	145.3	142.1	136.4	130.8	125.6	121.2	116.7	114.3	112.7	111.1	111.5
7.5°	154.2	149.3	140.1	130.8	122.4	115.1	109.1	104.2	101.0	99.0	99.4
10°	166.6	161.4	147.3	134.0	122.0	111.5	103.0	96.2	92.2	90.2	90.2
12.5°	186.4	177.5	159.0	140.1	124.0	109.9	99.0	91.0	85.3	82.9	82.5
15°	210.1	197.6	175.1	151.7	128.8	109.9	95.8	90.2	86.5	84.9	84.5
17.5°	238.3	224.6	193.6	162.6	135.2	112.3	100.2	93.4	89.4	87.7	87.3
20°	268.9	252.8	213.7	176.3	141.7	119.5	104.7	96.2	91.8	90.2	90.2
22.5°	306.3	285.0	235.5	188.4	149.7	125.6	109.1	98.6	94.6	93.0	92.6
25°	344.9	320.8	261.2	201.3	158.6	130.4	112.3	101.0	97.0	95.4	95.8
27.5°	390.4	359.4	286.6	214.1	166.2	133.2	113.9	103.0	99.0	97.8	98.2
30°	437.9	398.9	309.1	227.4	171.5	135.2	115.1	104.7	100.2	99.4	99.4
32.5°	488.2	444.0	332.5	239.1	174.7	135.6	115.1	105.5	101.0	100.6	101.0
35°	539.8	487.4	355.0	248.3	176.3	135.2	114.7	106.3	101.0	101.0	101.0
37.5°	596.9	530.1	373.9	254.8	176.7	134.0	114.3	105.9	101.0	101.0	101.4
40°	655.7	575.6	394.9	260.0	176.3	133.2	113.9	105.9	101.0	101.0	101.4
42.5°	714.0	617.8	414.6	263.2	175.5	132.4	113.5	105.9	101.0	100.2	100.6
45°	777.2	666.9	433.5	265.2	174.7	132.0	113.5	105.5	101.0	99.4	99.8
47.5°	836.0	712.4	448.8	267.7	174.3	132.0	113.9	105.5	100.6	99.0	99.0
50°	902.4	759.5	464.5	268.5	173.5	132.0	113.9	105.5	100.2	97.8	98.2
52.5°	968.0	807.0	479.8	270.1	173.5	132.4	114.3	105.5	99.8	96.6	96.6
55°	1030.8	849.3	493.5	271.3	173.5	133.2	115.5	105.5	99.4	95.4	95.4
57.5°	1088.4	892.8	507.2	271.7	173.5	134.0	115.5	105.9	99.0	94.2	94.2
60°	1139.5	930.2	516.8	272.1	173.1	134.8	116.3	105.5	98.6	93.0	93.0
62.5°	1175.7	958.8	521.6	270.9	173.1	134.8	116.7	105.5	98.2	92.6	92.2
65°	1196.2	968.8	518.8	267.3	172.3	134.8	116.3	105.1	97.4	91.8	91.4
67.5°	1189.4	958.0	506.8	261.6	170.3	134.4	116.3	104.2	97.4	91.4	90.6
70°	1152.4	925.4	483.8	253.2	167.4	132.8	114.7	103.0	96.6	91.0	90.2
72.5°	1079.9	859.7	450.4	239.9	162.6	130.4	112.7	101.0	95.0	89.8	88.6
75°	979.3	781.7	409.7	226.2	156.6	127.2	110.3	99.0	93.0	88.1	86.9
77.5°	850.1	677.4	364.7	208.5	148.9	122.8	107.1	95.8	90.2	85.7	84.1
80°	716.1	570.7	316.0	190.0	140.9	117.1	102.2	91.8	86.5	82.5	80.5
82.5°	579.6	468.9	270.5	172.3	131.6	110.7	97.4	87.3	82.5	78.1	76.1
85°	457.2	370.7	226.6	153.8	122.0	104.2	91.8	82.1	77.7	72.9	70.8
87.5°	355.8	294.2	189.6	136.9	111.5	97.0	85.7	76.9	71.6	67.2	65.6
90°	277.3	231.8	158.6	120.8	102.2	89.8	79.3	71.2	66.0	61.6	59.6
92.5°	211.3	183.5	132.8	106.7	93.0	82.5	73.3	65.6	60.4	55.5	53.5
95°	165.4	145.7	112.3	93.8	83.7	74.9	67.2	60.0	54.3	49.1	47.9
97.5°	128.4	116.7	94.6	82.1	75.7	67.6	60.8	54.3	48.7	43.5	42.3
100°	101.4	93.0	80.1	72.9	67.2	60.8	54.7	49.1	43.1	37.4	37.0
102.5°	80.1	76.5	68.0	64.0	59.6	54.7	49.5	43.5	37.4	32.2	31.8
105°	65.6	62.4	58.4	55.9	53.1	48.7	43.9	38.6	32.6	27.8	27.8
107.5°	53.1	51.5	49.5	49.1	47.1	43.5	39.4	34.2	28.2	24.2	24.2
110°	43.5	43.1	43.1	43.1	41.9	39.0	35.0	29.8	23.7	20.9	20.9



REPORT NUMBER: P414925

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	36.6	36.6	37.0	37.8	37.0	34.2	30.6	25.8	20.5	18.1	18.1
115°	31.0	31.4	32.6	33.0	32.6	30.6	27.0	22.1	17.3	15.7	16.1
117.5°	27.0	27.0	28.6	29.4	29.0	27.0	23.3	18.9	14.9	14.1	14.1
120°	23.3	24.2	25.4	25.8	25.4	23.3	20.5	16.1	12.9	12.5	12.5
122.5°	20.5	20.9	22.1	22.9	22.1	20.5	17.3	13.7	10.9	10.9	11.3
125°	18.1	18.5	19.3	20.1	19.3	17.3	14.9	11.3	9.7	9.7	9.7
127.5°	16.1	16.5	17.3	17.3	16.5	14.9	12.5	9.7	8.1	8.5	8.5
130°	14.1	14.5	14.9	14.9	14.5	12.9	10.5	8.1	7.2	7.6	7.6
132.5°	12.5	12.9	12.9	12.9	12.1	10.9	8.9	6.8	6.4	6.8	6.8
135°	10.9	10.9	11.3	10.9	10.1	8.9	6.8	5.6	5.6	6.0	6.0
137.5°	9.3	9.7	9.7	8.9	8.1	6.8	5.6	4.8	4.8	5.2	5.2
140°	7.6	8.1	7.6	7.2	6.4	5.6	4.4	3.6	4.0	4.4	4.4
142.5°	6.4	6.4	6.4	5.6	4.8	4.0	3.2	3.2	3.6	3.6	4.0
145°	4.8	4.8	4.8	4.4	3.6	2.8	2.4	2.4	2.8	3.2	3.2
147.5°	3.6	3.6	3.6	3.2	2.4	2.0	1.6	2.0	2.4	2.8	2.4
150°	2.4	2.4	2.4	2.0	1.6	1.2	1.2	1.6	2.0	2.0	2.0
152.5°	1.6	1.6	1.6	1.6	1.2	0.4	0.8	1.2	1.6	1.6	1.6
155°	1.2	1.2	1.2	1.2	0.8	0.0	0.4	0.8	1.2	1.2	1.2
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)