

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: P414565

Luminaire Tested: **LXF.LXT-PA1-30-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3007 lumens
Efficiency: N/A
Efficacy: 97.0 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 - G2

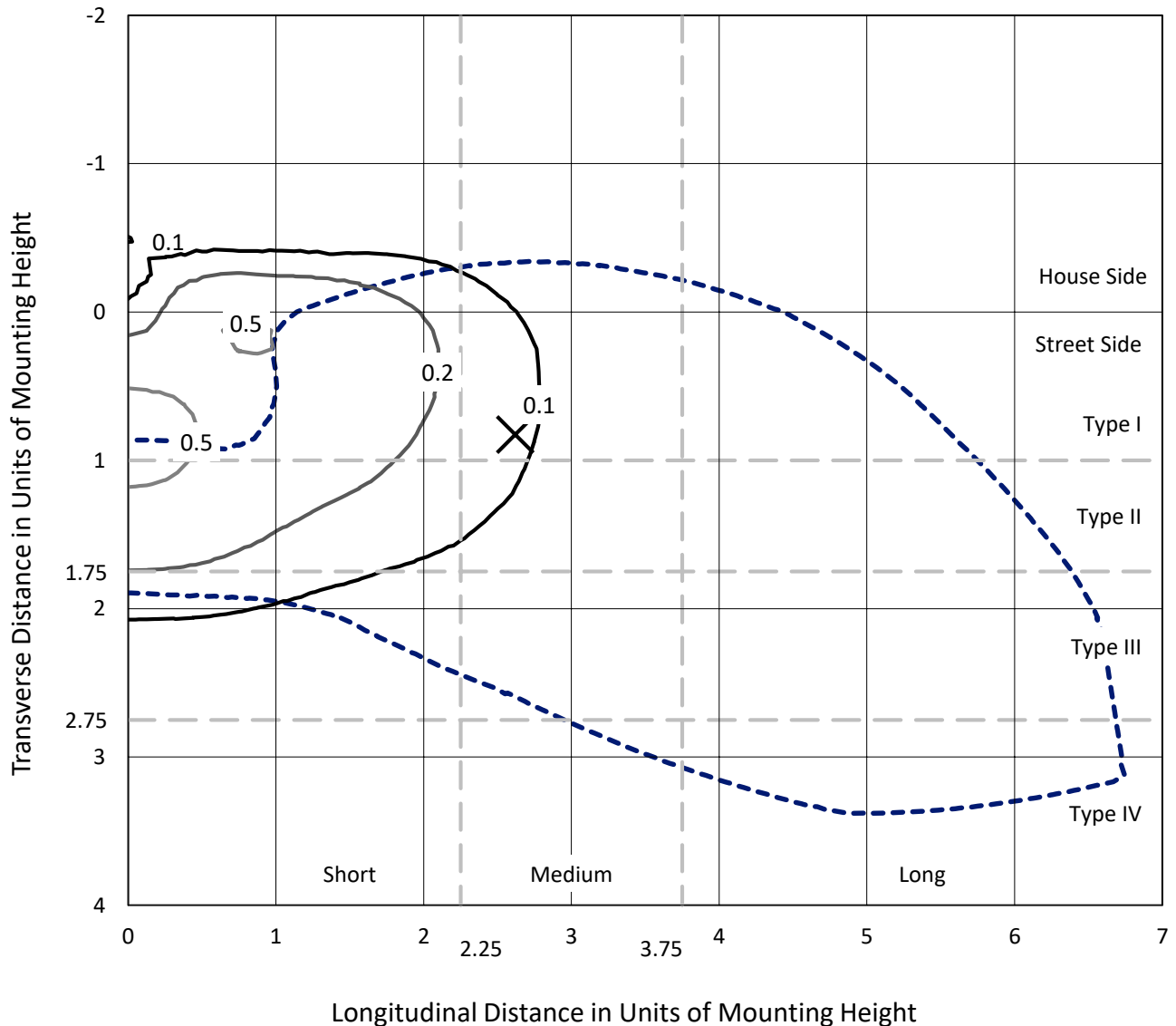
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

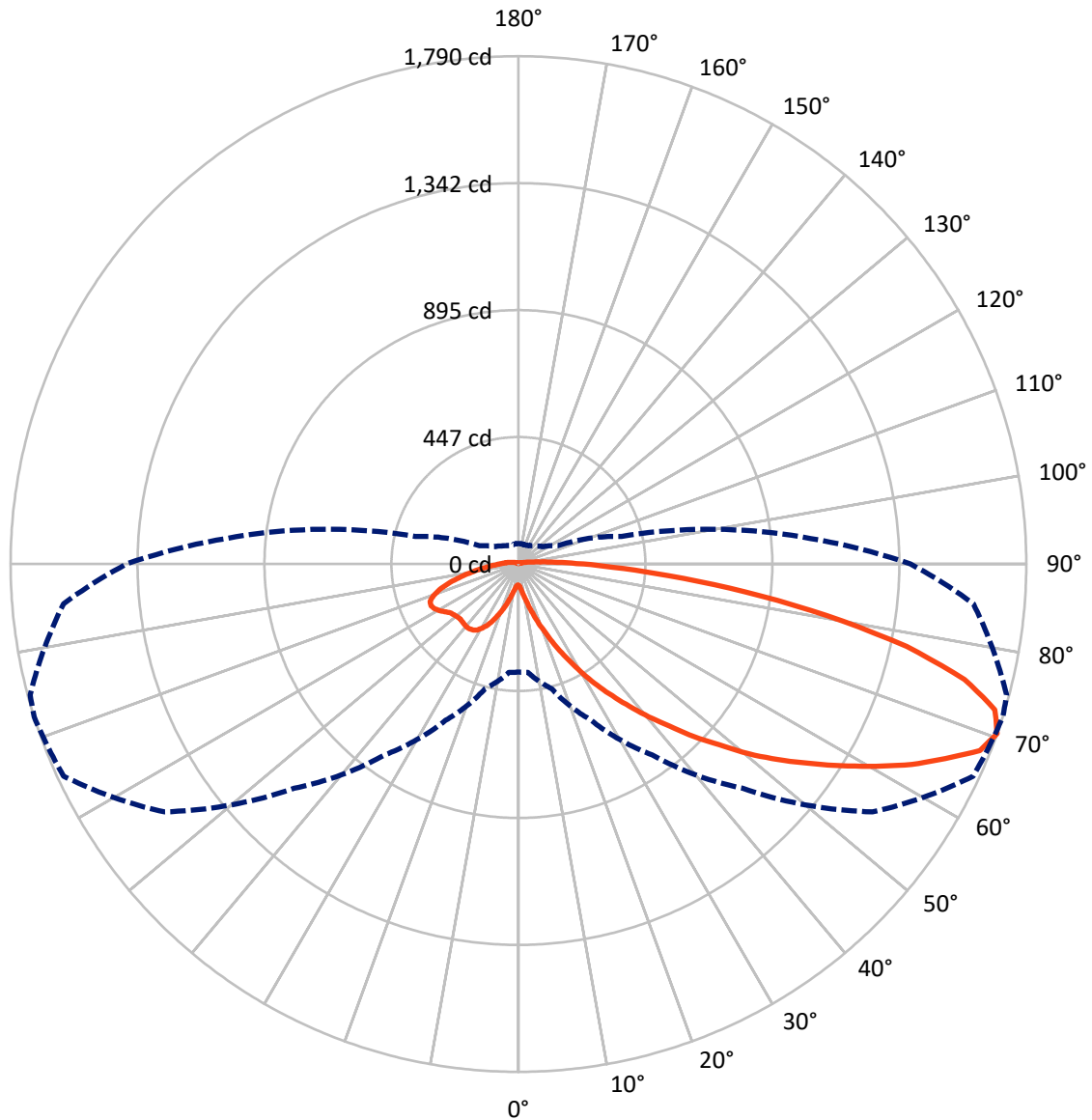
× Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	540.6	49.0	589.6
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	2360.8	56.6	2417.4
	% Fixture	78.5	1.9	80.4
Total	Lumens	2901.3	105.7	3007.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	0.3
10°-20°	40.7	1.4
20°-30°	113.6	3.8
30°-40°	235.5	7.8
40°-50°	406.8	13.5
50°-60°	600.8	20.0
60°-70°	709.1	23.6
70°-80°	562.7	18.7
80°-90°	223.7	7.4
90°-100°	59.1	2.0
100°-110°	22.8	0.8
110°-120°	11.1	0.4
120°-130°	6.3	0.2
130°-140°	3.7	0.1
140°-150°	1.7	0.1
150°-160°	0.6	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	2901.3	96.5
0°-180°	3007.0	100.0

Coefficient of Utilization



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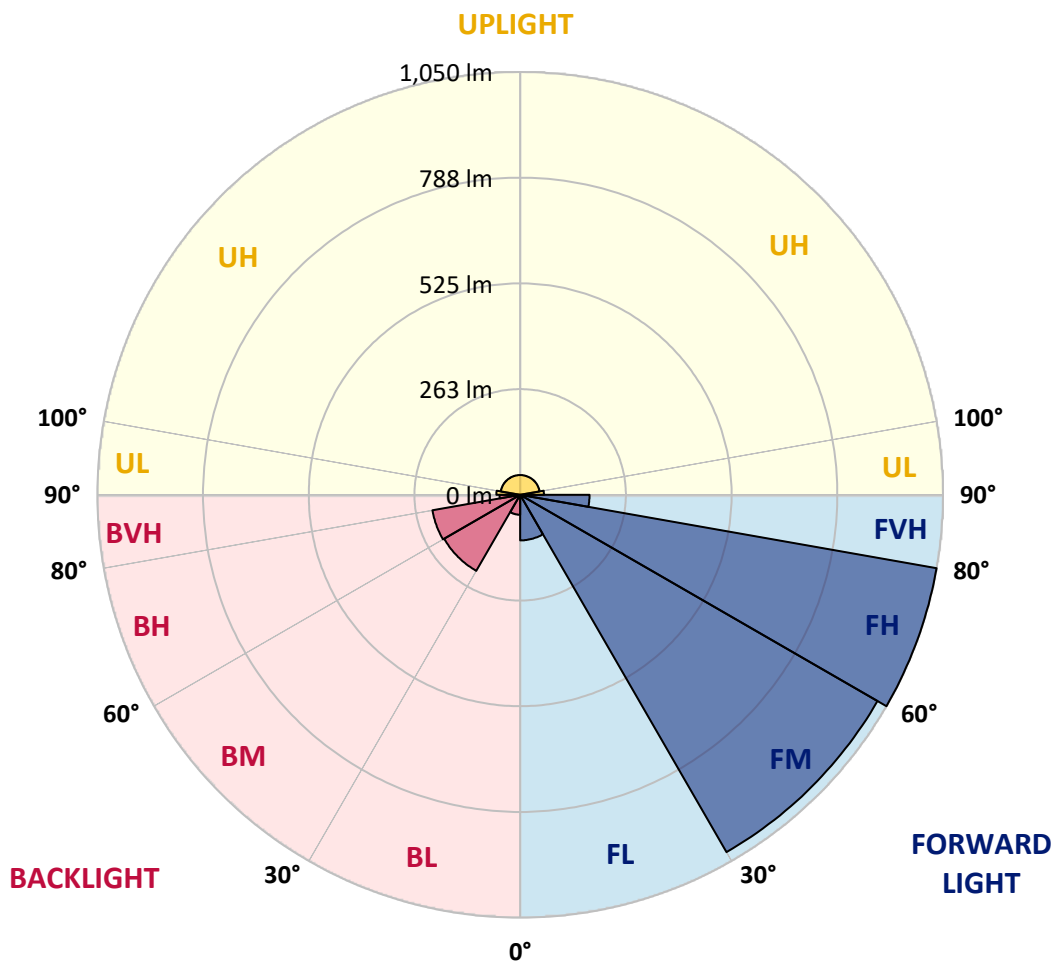
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	113.2	3.8			
FM (30°-60°)	1024.9	34.1			
FH (60°-80°)	1050.4	34.9			G1/1800
FVH (80°-90°)	172.3	5.7			G2/225
BL (0°-30°)	49.6	1.6	B0/110		
BM (30°-60°)	218.1	7.3	B0/220		
BH (60°-80°)	221.4	7.4	B1/500		G1/500
BVH (80°-90°)	51.4	1.7			G1/100
UL (90°-100°)	59.1	2.0		U3/500	
UH (100°-180°)	49.0	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2.5°	84.5	84.9	84.5	84.5	83.8	83.4	81.3	79.9	78.8	78.1	77.1
5°	97.9	98.6	98.3	98.3	96.5	95.5	93.0	90.2	88.0	87.7	84.5
7.5°	116.0	115.6	114.2	113.8	113.1	111.4	107.8	103.6	101.5	100.8	96.2
10°	138.2	136.5	137.2	134.7	133.3	130.5	127.3	124.1	119.9	119.9	113.5
12.5°	160.5	164.4	163.3	159.8	157.0	152.4	148.5	147.4	142.5	143.2	137.2
15°	196.9	196.6	193.4	190.9	185.3	179.6	176.1	173.6	172.2	171.1	164.4
17.5°	235.5	233.4	230.9	223.5	215.3	210.4	207.2	204.7	206.5	206.1	198.0
20°	280.0	277.5	274.0	260.6	250.0	242.2	240.4	243.3	244.3	247.1	239.0
22.5°	329.5	328.5	320.0	304.8	286.7	276.5	274.7	281.4	289.6	291.0	285.3
25°	388.9	387.5	375.8	353.9	330.2	314.7	314.7	325.3	338.7	341.9	339.1
27.5°	452.6	449.0	433.8	407.0	374.4	354.3	351.8	370.9	389.6	398.8	395.3
30°	525.8	525.0	499.9	467.1	428.2	396.0	394.9	422.9	449.4	453.6	454.3
32.5°	601.1	607.1	578.1	528.9	481.9	444.1	442.3	473.8	510.5	518.0	518.0
35°	688.0	688.4	652.7	603.9	539.5	496.4	491.5	528.9	569.9	580.2	585.9
37.5°	775.7	773.6	741.4	674.2	602.1	550.1	545.6	589.7	636.4	653.0	652.0
40°	862.0	868.0	827.3	753.1	666.1	613.4	602.1	654.1	707.8	726.6	719.2
42.5°	955.0	953.6	917.1	834.4	737.5	674.6	667.9	721.6	781.4	802.6	795.9
45°	1036.3	1035.6	996.0	913.3	805.8	745.3	736.1	793.0	868.0	887.8	874.0
47.5°	1111.3	1109.5	1068.5	984.3	865.5	812.8	813.6	871.9	951.4	984.0	962.8
50°	1169.2	1163.2	1137.4	1046.6	930.2	883.9	897.3	965.9	1050.8	1080.1	1057.2
52.5°	1200.4	1191.2	1171.0	1090.0	991.4	954.3	980.1	1061.4	1145.2	1173.1	1148.0
55°	1185.5	1185.5	1174.2	1116.6	1034.9	1018.6	1070.6	1152.6	1240.0	1270.7	1248.4
57.5°	1125.8	1134.9	1140.2	1109.5	1064.9	1082.3	1164.6	1256.6	1340.4	1374.3	1345.0
60°	1021.1	1023.6	1062.5	1071.3	1077.0	1136.4	1262.2	1371.8	1447.1	1474.0	1440.8
62.5°	873.0	884.6	932.0	997.4	1059.3	1181.3	1364.8	1487.8	1555.7	1573.7	1525.3
65°	708.2	705.4	793.0	891.0	1010.5	1194.3	1447.5	1600.2	1652.9	1677.0	1592.8
67.5°	537.1	535.3	616.3	759.8	927.8	1180.6	1514.7	1695.7	1753.7	1754.4	1635.2
70°	380.8	383.6	455.4	607.8	821.0	1117.6	1522.8	1768.5	1789.7	1781.3	1609.4
72.5°	258.5	260.6	328.8	465.6	679.6	1015.8	1454.9	1760.8	1755.8	1732.1	1503.4
75°	166.5	180.7	231.2	353.9	550.1	869.1	1323.0	1649.4	1623.6	1584.3	1319.2
77.5°	114.9	122.0	160.9	257.7	429.9	717.7	1136.0	1425.6	1398.7	1350.6	1063.5
80°	77.8	81.0	110.7	192.7	338.4	564.3	925.6	1147.7	1101.4	1051.9	797.6
82.5°	52.0	58.0	79.6	138.2	256.0	435.6	703.9	876.5	802.9	760.2	560.4
85°	34.6	37.8	56.6	100.4	185.3	317.1	506.7	595.4	530.7	492.9	358.2
87.5°	23.3	26.2	40.3	71.8	137.2	230.5	339.4	384.7	332.7	309.0	216.7
90°	15.6	17.3	29.7	51.6	96.9	160.9	229.1	237.6	204.0	189.5	132.6
92.5°	11.0	12.7	22.3	38.2	67.9	111.7	147.1	143.9	120.2	113.1	85.6
95°	8.5	9.9	17.3	29.3	49.5	76.7	95.8	87.7	76.0	73.5	59.0
97.5°	7.4	8.1	14.5	23.7	37.5	54.4	62.2	59.4	51.3	49.9	43.1
100°	6.7	7.4	12.7	20.5	30.1	40.0	44.5	41.4	37.1	36.1	31.8
102.5°	6.4	6.7	11.3	17.7	24.7	31.5	34.3	30.8	27.6	27.2	24.4
105°	6.0	6.4	9.9	15.2	20.9	25.8	26.9	24.0	21.6	20.5	18.4
107.5°	5.7	5.7	8.8	13.4	18.0	21.6	22.3	19.4	16.6	15.9	14.5
110°	5.3	5.7	8.1	12.0	15.9	18.7	18.7	15.9	13.1	12.4	11.7



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	5.3	5.3	7.4	10.6	14.1	16.3	15.9	13.1	10.6	9.5	9.5
115°	4.9	5.3	7.1	9.9	12.7	14.1	13.4	11.0	8.5	7.8	8.1
117.5°	4.9	5.3	6.4	8.8	11.3	12.4	11.7	9.2	7.1	6.7	7.4
120°	4.9	5.3	6.4	8.1	9.9	11.0	10.3	7.8	6.4	6.0	6.7
122.5°	5.3	5.3	6.0	7.4	9.2	9.9	8.8	6.7	5.7	5.3	6.0
125°	5.3	5.3	6.0	7.1	8.5	8.8	7.8	6.0	4.9	4.9	5.7
127.5°	5.3	5.3	6.0	6.7	7.8	7.8	7.1	5.3	4.6	4.6	5.3
130°	5.3	5.3	5.7	6.4	7.1	7.1	6.0	4.6	4.2	4.2	4.9
132.5°	5.7	5.7	5.7	6.0	6.4	6.4	5.3	4.2	3.9	3.9	4.9
135°	5.3	5.3	5.3	5.7	5.7	5.7	4.6	3.9	3.5	3.9	4.6
137.5°	4.9	4.9	5.3	5.3	5.3	4.9	3.9	3.2	3.2	3.5	4.2
140°	4.9	4.6	4.9	4.9	4.6	4.2	3.5	2.8	2.8	3.2	3.5
142.5°	4.2	4.2	4.2	4.2	3.9	3.5	2.8	2.5	2.8	2.8	3.2
145°	3.9	3.9	3.9	3.5	3.5	2.8	2.1	2.1	2.1	2.5	2.8
147.5°	3.2	3.2	3.2	3.2	2.8	2.5	1.4	1.8	1.8	1.8	2.1
150°	2.5	2.5	2.8	2.5	2.1	1.8	1.1	1.4	1.8	1.8	1.8
152.5°	2.1	2.1	2.1	2.1	1.8	1.1	1.1	1.4	1.4	1.4	1.8
155°	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.1	1.4	1.4	1.4
157.5°	0.7	0.7	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.1
160°	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
162.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
165°	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
167.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
170°	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
172.5°	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
175°	0.0	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1
177.5°	0.0	0.4	0.7	0.7	1.1	0.7	0.7	0.7	0.7	0.7	1.1
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
2.5°	76.4	75.7	74.2	72.8	71.8	70.7	70.0	68.9	68.2	68.2	68.2
5°	82.4	81.7	78.1	74.6	71.4	68.6	66.5	64.0	62.9	61.9	62.2
7.5°	94.4	91.9	86.3	80.3	75.0	69.3	65.1	61.5	59.4	58.0	58.0
10°	110.7	106.8	98.3	89.1	80.3	72.1	65.8	60.8	57.3	55.9	55.9
12.5°	131.5	127.6	114.6	100.8	87.3	75.7	67.5	61.2	57.3	55.5	55.5
15°	159.5	152.7	135.1	115.3	95.8	79.9	69.3	64.0	61.5	60.5	60.5
17.5°	192.7	182.8	159.8	130.1	104.3	84.1	73.9	68.9	66.8	66.5	66.5
20°	231.6	219.2	184.6	145.0	111.0	89.5	77.8	73.5	72.8	73.2	73.2
22.5°	275.8	257.7	210.0	158.4	117.4	92.6	80.6	77.1	77.8	79.6	79.2
25°	322.5	303.4	237.9	170.4	121.6	94.0	82.4	80.3	83.1	85.2	85.2
27.5°	376.9	347.2	263.4	178.9	122.7	93.0	82.7	81.7	85.6	88.7	89.5
30°	432.4	394.2	285.3	184.2	120.6	90.5	81.3	82.0	86.6	90.9	91.2
32.5°	488.6	438.8	303.4	185.3	117.0	87.3	79.9	81.3	86.3	90.9	91.6
35°	544.5	480.5	315.4	181.4	111.4	84.1	77.4	79.9	84.9	90.2	90.9
37.5°	599.3	520.1	322.8	175.0	105.7	81.3	75.7	78.1	83.1	89.1	89.8
40°	659.0	562.5	327.0	167.6	100.1	78.8	74.6	77.1	82.0	87.7	88.7
42.5°	713.8	601.4	327.4	158.4	95.8	77.8	73.9	76.0	80.6	86.6	87.7
45°	785.3	641.4	327.4	150.6	93.0	77.4	73.9	75.7	79.9	86.3	87.7
47.5°	852.8	687.3	328.1	143.9	91.6	78.1	74.6	75.3	78.8	86.3	87.7
50°	931.3	731.5	333.8	139.0	91.2	79.6	75.7	75.0	77.8	85.6	87.3
52.5°	1009.4	789.9	340.8	135.4	91.9	81.0	76.4	75.0	76.7	83.8	85.9
55°	1095.0	845.4	348.6	135.8	93.3	82.4	77.4	74.6	75.3	81.0	83.1
57.5°	1180.6	910.4	365.6	137.9	95.1	84.1	78.5	74.6	73.5	77.8	79.6
60°	1255.5	967.7	383.3	142.5	97.6	85.9	79.2	74.2	72.1	74.6	76.0
62.5°	1334.7	1030.3	397.4	146.4	100.4	87.3	79.2	73.9	71.1	72.8	73.5
65°	1386.3	1067.4	404.8	151.3	103.2	88.4	79.6	73.2	70.7	71.8	72.5
67.5°	1412.8	1073.4	399.9	153.1	105.7	89.1	79.2	72.5	71.1	71.8	72.5
70°	1381.4	1033.5	376.2	152.0	106.4	89.1	78.5	71.8	71.1	72.1	72.5
72.5°	1267.5	937.3	341.2	146.7	105.4	87.7	77.4	70.7	70.7	72.5	72.5
75°	1091.5	799.1	295.2	138.6	102.5	85.6	75.3	68.9	69.7	72.1	72.1
77.5°	874.0	632.2	243.3	126.9	97.2	82.0	72.5	66.5	68.2	71.1	70.7
80°	650.6	470.9	195.9	113.8	90.2	77.1	68.6	63.6	66.1	68.6	67.9
82.5°	433.5	330.6	154.9	100.1	82.7	72.1	64.3	59.8	62.9	65.4	64.3
85°	281.4	220.3	119.9	86.3	75.0	66.5	59.0	55.5	58.7	60.8	59.8
87.5°	175.4	147.8	91.2	73.5	66.8	60.1	54.4	50.6	53.7	55.9	54.4
90°	116.0	99.0	71.8	63.6	59.4	54.1	48.8	46.0	49.1	49.9	48.8
92.5°	76.4	70.0	58.3	54.4	52.3	48.1	44.2	41.7	44.2	44.5	43.8
95°	54.8	53.0	48.1	47.4	46.3	42.8	39.6	37.5	38.9	39.2	37.8
97.5°	41.7	41.4	41.0	41.0	40.3	37.8	35.0	33.2	33.9	33.6	32.5
100°	32.5	33.2	34.3	35.0	34.6	32.9	30.8	29.3	29.7	28.3	27.2
102.5°	25.5	26.9	28.6	29.7	29.7	28.3	27.2	25.8	24.7	23.0	22.6
105°	20.2	21.2	23.7	25.5	25.5	24.7	23.7	21.9	20.9	18.7	18.7
107.5°	15.9	17.3	20.2	21.6	21.9	21.2	20.5	19.1	17.3	15.2	15.2
110°	12.7	13.8	17.0	18.4	18.7	18.4	17.7	15.9	14.1	12.7	12.7



REPORT NUMBER: P414565

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	11.7	14.1	15.6	16.3	15.9	15.2	13.4	11.7	10.6	10.6
115°	9.2	10.3	12.0	13.4	13.8	13.8	12.7	11.7	9.5	9.2	9.2
117.5°	8.1	8.8	10.6	11.7	12.4	12.0	11.0	9.9	8.5	8.1	8.1
120°	7.4	8.1	9.5	10.6	10.6	10.3	9.5	8.5	7.4	7.1	7.4
122.5°	6.7	7.4	8.5	9.2	9.2	9.2	8.5	7.4	6.4	6.4	6.7
125°	6.4	6.7	7.8	8.1	8.5	8.1	7.4	6.4	5.7	6.0	6.0
127.5°	6.0	6.4	7.1	7.4	7.4	7.1	6.4	5.7	4.9	5.3	5.7
130°	5.7	6.0	6.4	6.7	6.7	6.4	5.7	4.9	4.6	4.9	4.9
132.5°	4.9	5.3	5.7	6.0	5.7	5.7	4.9	4.2	4.2	4.6	4.6
135°	4.6	4.9	4.9	5.3	4.9	4.9	4.2	3.9	3.9	4.2	4.2
137.5°	4.2	4.6	4.6	4.6	4.2	4.2	3.9	3.5	3.5	3.5	3.9
140°	3.9	3.9	3.9	3.9	3.5	3.5	3.2	2.8	3.2	3.2	3.2
142.5°	3.5	3.5	3.5	3.2	3.2	2.8	2.5	2.5	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.5	2.5	2.1	2.1	2.1	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	2.1	1.8	1.8	1.8	1.8	2.1	2.1	2.1
150°	2.1	2.1	2.1	1.8	1.4	1.4	1.1	1.4	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.8	1.4	0.7	1.1	1.4	1.4	1.4	1.4
155°	1.4	1.4	1.8	1.4	1.1	0.4	0.7	1.1	1.1	1.1	1.1
157.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.7	0.7	1.1	0.7	1.1
160°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.7	0.7
162.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.7	0.4	0.4	0.4
165°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
170°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
175°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)