

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: P415246

Luminaire Tested: **LXF.LXT-PA1-40-827-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3317 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

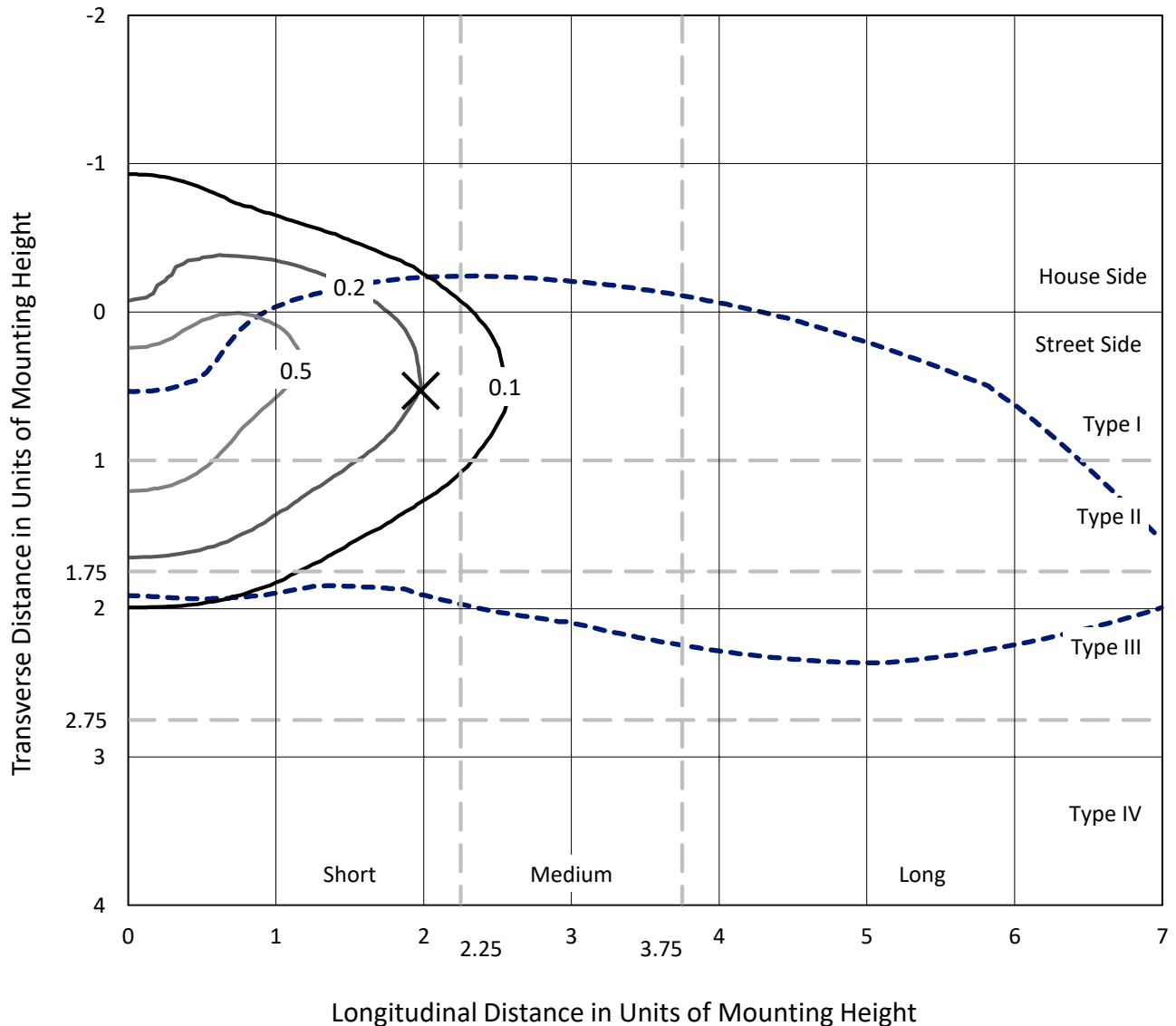
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415246
 CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

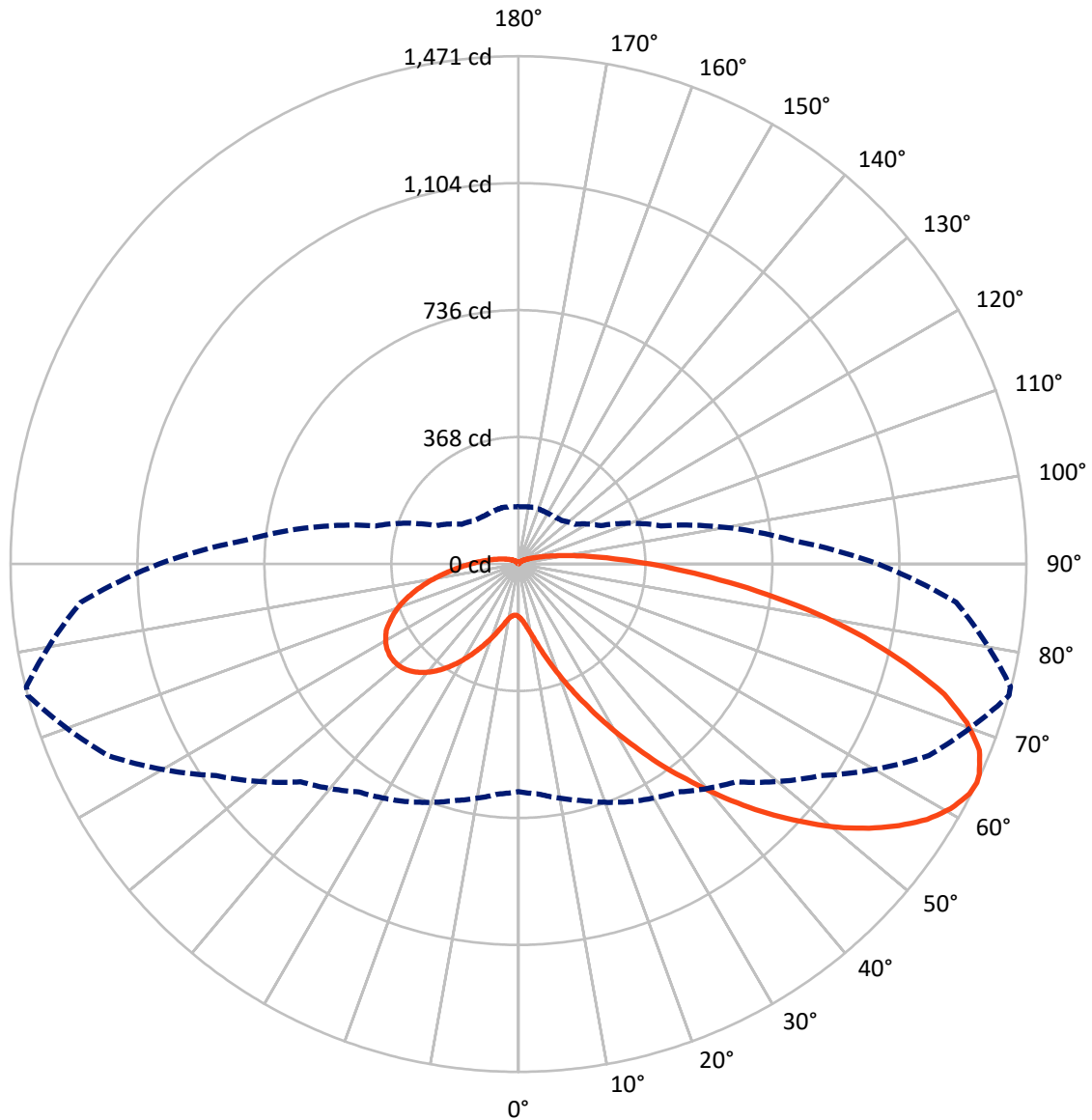


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

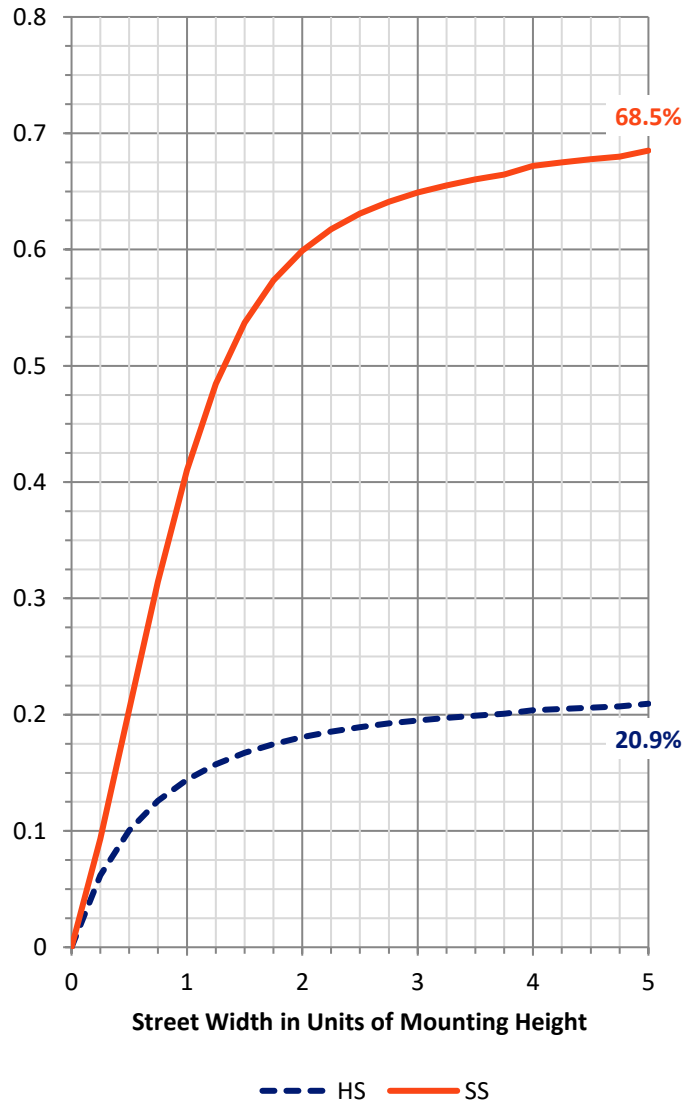
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	731.6	96.3	827.9
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	2342.5	146.6	2489.0
	% Fixture	70.6	4.4	75.0
Total	Lumens	3074.1	242.9	3317.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.1	0.5
10°-20°	66.9	2.0
20°-30°	169.4	5.1
30°-40°	331.7	10.0
40°-50°	516.0	15.6
50°-60°	632.8	19.1
60°-70°	615.2	18.5
70°-80°	464.0	14.0
80°-90°	262.0	7.9
90°-100°	123.6	3.7
100°-110°	59.7	1.8
110°-120°	31.3	0.9
120°-130°	16.9	0.5
130°-140°	8.3	0.2
140°-150°	2.8	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3074.1	92.7
0°-180°	3317.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415246

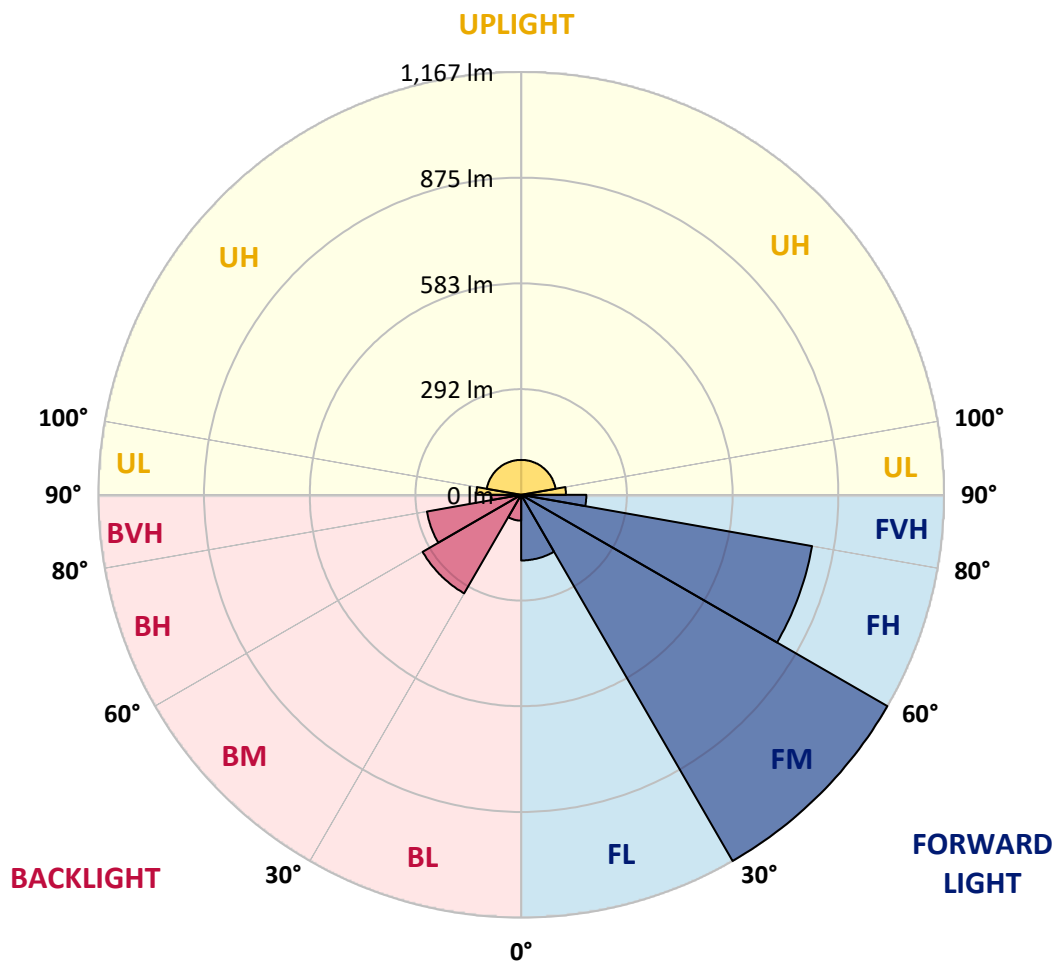
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.2	5.5			
FM	(30°-60°)	1166.6	35.2			
FH	(60°-80°)	815.0	24.6			G1/1800
FVH	(80°-90°)	179.7	5.4			G2/225
BL	(0°-30°)	71.2	2.1	B0/110		
BM	(30°-60°)	314.0	9.5	B1/1000		
BH	(60°-80°)	264.1	8.0	B1/500		G1/500
BVH	(80°-90°)	82.3	2.5			G1/100
UL	(90°-100°)	123.6	3.7		U3/500	
UH	(100°-180°)	96.3	2.9		U3/500	

BUG Rating: B1-U3-G2

Type III Short





REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	178.3	176.7	175.9	175.5	172.7	169.8	166.6	163.4	159.8	159.0	155.8
5°	206.1	204.0	203.2	200.8	196.8	192.0	185.1	178.7	170.6	171.0	163.8
7.5°	237.9	236.2	233.8	230.2	224.2	217.7	207.7	198.0	187.1	185.9	175.5
10°	274.1	272.9	270.5	264.8	257.2	246.3	236.2	221.8	206.5	205.7	190.4
12.5°	317.5	315.9	309.1	303.5	293.4	283.3	268.0	250.7	234.2	232.2	213.3
15°	366.6	364.2	359.4	350.5	339.7	323.2	307.1	289.8	268.0	264.4	242.3
17.5°	416.9	416.9	410.9	400.4	385.6	371.1	353.4	331.6	304.3	303.9	274.5
20°	480.1	479.3	470.1	454.8	439.9	424.6	403.3	378.7	348.1	345.3	309.5
22.5°	548.6	547.7	536.5	520.0	500.7	478.9	455.2	429.4	396.0	392.4	350.5
25°	622.6	622.2	610.5	585.2	560.6	540.1	515.5	487.0	448.3	447.5	397.2
27.5°	712.8	708.3	690.2	659.2	628.2	601.7	573.1	547.3	508.7	502.7	446.7
30°	799.7	797.3	772.7	739.3	696.7	661.6	632.7	612.9	573.1	567.5	504.7
32.5°	889.4	887.8	858.0	819.4	766.7	723.2	700.7	679.4	641.1	638.7	561.8
35°	988.8	982.4	948.2	895.1	833.9	785.2	765.1	755.4	717.6	708.7	624.6
37.5°	1070.1	1065.3	1034.3	969.5	897.5	845.2	829.9	823.4	790.8	787.2	692.6
40°	1148.6	1145.0	1107.2	1037.1	955.0	902.7	887.4	898.3	872.1	866.5	761.0
42.5°	1205.4	1200.5	1165.5	1091.1	1004.9	949.8	949.4	974.4	955.4	949.4	831.9
45°	1239.2	1234.3	1205.4	1133.7	1044.0	990.9	1000.1	1044.0	1038.3	1031.1	896.7
47.5°	1242.4	1239.6	1218.6	1152.2	1067.7	1023.0	1049.6	1112.4	1118.4	1111.6	965.9
50°	1213.0	1215.8	1202.5	1149.8	1076.2	1044.0	1089.9	1177.2	1199.3	1191.3	1034.7
52.5°	1157.5	1154.3	1159.9	1122.5	1067.3	1051.2	1117.2	1231.5	1272.2	1264.1	1098.3
55°	1064.9	1067.3	1087.0	1073.0	1039.6	1042.8	1133.7	1274.6	1338.2	1331.7	1155.9
57.5°	967.5	961.9	997.3	999.7	990.5	1020.2	1135.7	1307.2	1396.5	1389.7	1205.4
60°	839.9	853.6	885.4	912.8	928.9	982.8	1122.5	1324.1	1439.2	1437.2	1245.2
62.5°	729.7	732.5	775.5	817.0	855.6	930.1	1093.1	1323.7	1467.0	1464.5	1269.0
64°	659.6	668.9	709.5	759.8	806.1	892.3	1068.9	1312.4	1471.4	1469.4	1273.0
65°	621.4	620.2	668.9	719.6	769.5	863.7	1044.4	1300.3	1467.4	1467.4	1271.4
67.5°	516.4	520.4	563.0	621.4	683.0	788.0	981.6	1257.3	1440.8	1443.6	1248.0
70°	425.8	431.8	478.5	530.4	598.5	711.9	903.9	1179.6	1378.4	1382.4	1197.7
72.5°	351.3	358.2	392.4	444.7	520.0	631.9	816.2	1082.2	1290.3	1291.9	1113.6
75°	285.7	293.4	328.0	373.5	438.7	545.7	720.4	976.4	1161.9	1169.9	1004.9
77.5°	232.6	240.7	272.5	313.5	375.5	466.9	625.4	854.0	1025.5	1030.3	880.6
80°	187.9	196.4	224.6	263.2	317.1	397.6	536.5	728.9	878.2	878.2	752.6
82.5°	152.5	159.8	185.1	218.5	267.6	335.7	450.8	605.7	726.0	726.4	621.8
85°	123.2	127.6	152.5	181.9	222.6	281.3	372.7	493.0	585.6	577.1	501.1
87.5°	99.0	103.0	124.0	152.5	184.7	234.6	305.9	401.3	460.4	463.2	400.0
90°	79.7	82.1	101.4	125.6	155.3	194.0	248.7	319.1	362.2	358.6	313.5
92.5°	64.8	67.6	84.1	105.8	130.8	163.0	204.9	252.7	280.5	281.3	245.1
95°	53.1	54.7	70.0	89.3	111.9	136.4	167.0	201.2	220.1	217.7	190.8
97.5°	44.3	45.1	59.2	76.5	95.0	115.1	139.3	160.2	170.6	169.0	149.3
100°	37.4	38.2	50.3	66.4	82.1	98.2	115.1	129.2	132.8	130.8	117.5
102.5°	32.6	33.0	43.1	57.6	70.8	84.1	95.8	104.6	104.2	104.2	93.0
105°	28.6	29.0	37.4	50.3	62.4	72.8	80.9	85.3	83.7	82.9	74.5
107.5°	25.8	26.2	33.0	44.3	55.1	63.2	69.2	70.4	67.2	66.4	60.4



REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	23.3	23.3	29.0	39.0	48.7	55.1	59.2	59.2	54.3	53.9	49.9
112.5°	21.3	21.7	26.2	34.6	43.1	48.7	51.1	49.1	44.7	44.3	42.3
115°	19.7	20.1	23.3	31.0	38.2	43.1	44.3	41.5	37.0	36.6	35.0
117.5°	18.5	18.9	21.3	27.4	34.2	37.8	38.2	35.4	31.0	30.6	30.2
120°	17.7	17.7	19.7	24.5	30.2	33.4	33.0	30.2	26.6	26.2	26.2
122.5°	16.9	16.9	18.1	21.7	26.6	29.4	29.0	25.8	22.5	22.5	22.5
125°	16.1	16.1	16.9	19.7	23.7	25.8	25.0	22.1	19.3	19.3	20.1
127.5°	15.3	15.3	15.7	17.3	20.9	22.1	21.3	18.5	16.9	16.9	17.3
130°	14.5	14.5	14.5	15.7	18.1	18.9	18.1	15.7	14.5	14.5	15.3
132.5°	13.7	13.7	13.7	13.7	15.3	16.1	14.9	12.9	12.5	12.9	13.3
135°	12.9	12.9	12.5	12.1	12.9	13.3	12.1	10.9	10.9	10.9	11.7
137.5°	12.1	11.7	11.3	10.9	10.5	10.5	9.7	8.5	9.3	9.3	10.1
140°	10.9	10.5	10.1	9.3	8.5	8.0	7.2	6.8	7.6	7.6	8.0
142.5°	9.7	9.3	8.9	7.6	6.4	5.6	4.8	5.2	6.0	6.0	6.4
145°	8.0	8.0	7.2	6.0	4.8	4.0	3.2	3.6	4.4	4.4	4.8
147.5°	6.8	6.4	6.0	4.8	3.2	2.4	1.6	2.4	3.2	3.2	3.6
150°	5.2	4.8	4.4	3.2	2.0	0.8	0.8	1.6	2.0	2.0	2.4
152.5°	3.6	3.6	3.2	2.0	0.8	0.0	0.4	0.8	1.2	1.2	1.6
155°	2.4	2.0	1.6	1.2	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	1.2	1.2	0.8	0.8	0.0	0.0	0.0	0.0	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.0	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



REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9	152.9
2.5°	153.7	152.1	148.5	145.3	142.1	139.3	137.6	135.6	135.2	134.8	134.8
5°	159.4	155.8	148.5	141.7	135.2	130.0	126.0	121.9	119.9	119.1	118.7
7.5°	169.0	163.4	151.7	141.3	131.6	123.6	117.1	112.3	109.5	107.9	107.5
10°	182.3	174.3	158.2	143.7	130.8	120.3	112.3	106.7	103.0	101.4	101.0
12.5°	203.2	190.4	170.2	149.7	132.8	119.9	110.7	104.6	103.0	101.4	101.4
15°	227.0	214.1	186.3	161.0	139.3	122.3	114.3	110.3	107.9	106.7	106.2
17.5°	257.6	237.9	204.4	173.1	147.3	131.2	120.7	116.3	113.9	112.7	112.3
20°	289.0	265.6	224.6	186.3	158.2	141.7	129.2	122.3	119.9	118.7	118.3
22.5°	326.4	298.2	245.5	200.4	170.6	151.3	137.2	129.2	126.4	125.2	125.6
25°	364.6	334.4	268.0	215.3	182.3	159.4	144.9	135.6	133.6	132.0	132.0
27.5°	411.3	371.1	291.0	232.2	192.4	166.6	151.7	142.5	138.8	138.8	138.4
30°	460.4	410.1	315.9	246.7	201.2	173.1	157.0	148.5	144.9	144.5	144.5
32.5°	508.3	452.0	340.5	261.2	208.1	177.5	161.8	153.7	149.3	148.9	149.3
35°	564.2	494.6	363.4	272.9	214.1	181.1	165.4	158.2	153.3	152.9	152.9
37.5°	617.4	538.5	385.6	282.1	218.1	183.5	168.2	161.8	156.6	156.2	155.8
40°	672.9	579.9	405.7	289.8	220.1	185.1	169.8	164.2	159.4	157.8	157.8
42.5°	729.3	621.8	422.6	294.2	221.4	185.5	171.0	165.8	161.4	158.6	158.6
45°	782.0	657.6	436.7	296.6	221.4	185.9	171.8	167.0	163.0	159.4	159.0
47.5°	839.9	693.8	447.5	297.0	220.1	185.1	172.3	168.2	163.8	159.8	159.4
50°	890.6	728.0	454.4	295.8	218.5	184.7	172.7	168.6	165.0	160.2	160.2
52.5°	935.3	755.4	457.6	292.6	216.5	183.9	172.7	169.4	166.2	161.0	160.6
55°	974.8	776.7	457.2	287.8	213.3	182.7	172.3	169.4	167.0	161.4	161.4
57.5°	1008.6	791.6	453.6	282.1	210.1	181.9	172.3	169.8	167.8	162.6	162.6
60°	1031.5	800.1	446.3	275.3	206.9	180.3	171.8	170.2	169.0	163.8	164.2
62.5°	1042.4	798.9	435.1	268.0	203.2	178.7	171.0	169.8	169.4	165.4	165.4
64°	1041.6	793.2	427.4	262.8	200.8	177.9	170.6	169.4	169.8	166.2	166.2
65°	1036.3	785.2	419.4	258.8	198.8	177.1	169.8	169.0	169.8	166.2	166.2
67.5°	1011.0	760.2	398.8	248.7	193.6	173.5	167.4	167.0	168.2	165.8	165.4
70°	960.7	720.8	376.7	235.8	187.1	169.4	163.8	163.4	165.0	163.0	162.2
72.5°	892.3	666.1	349.7	222.6	179.5	163.8	159.0	158.6	159.4	158.2	157.0
75°	806.1	601.7	319.6	207.7	171.0	156.6	152.1	151.3	152.5	150.9	150.1
77.5°	710.3	530.4	287.8	192.0	160.2	148.5	144.1	142.9	142.9	140.9	138.8
80°	604.9	457.6	256.0	175.9	148.9	138.4	134.8	133.2	132.0	128.8	126.8
82.5°	505.1	389.2	223.4	159.4	136.8	127.6	124.0	121.9	119.1	115.1	112.3
85°	410.9	324.0	193.6	141.7	124.8	115.9	113.1	109.5	105.8	101.4	97.8
87.5°	330.0	265.2	167.0	126.0	111.1	104.2	101.0	96.2	92.6	87.7	84.5
90°	262.0	217.3	142.9	110.7	99.0	93.0	90.2	85.3	80.1	74.9	72.0
92.5°	211.3	177.1	123.2	97.8	88.5	83.3	79.7	74.9	68.8	63.6	61.6
95°	167.8	143.3	105.0	86.5	78.5	73.6	70.0	65.6	59.2	53.1	51.5
97.5°	132.8	117.9	89.7	76.1	69.6	65.6	61.6	57.6	51.1	45.1	44.3
100°	106.7	95.8	76.9	67.2	61.6	58.0	54.7	50.3	44.3	37.8	37.8
102.5°	86.1	79.3	66.0	59.2	54.7	51.5	48.3	44.3	38.2	32.6	32.2
105°	70.4	65.6	56.7	52.3	48.7	46.3	43.1	38.6	33.0	27.8	27.4
107.5°	58.8	54.3	49.1	46.3	43.5	41.1	38.6	34.2	28.6	24.1	24.1



REPORT NUMBER: P415246

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	48.3	46.7	42.7	40.6	39.0	36.6	34.2	29.8	24.5	21.3	21.3
112.5°	41.1	39.4	37.4	36.2	34.6	33.0	30.2	26.2	21.3	18.9	18.9
115°	34.6	33.8	32.6	31.8	31.0	29.4	26.6	22.5	18.1	16.5	16.9
117.5°	30.2	29.8	29.0	28.6	27.8	25.8	23.3	19.7	15.7	14.9	14.9
120°	26.2	26.2	25.4	25.4	24.5	22.9	20.1	16.9	13.7	13.3	13.3
122.5°	22.9	22.9	22.5	22.5	21.7	20.1	17.7	14.5	11.7	11.7	12.1
125°	20.1	20.1	19.7	19.7	19.3	17.7	15.3	12.5	10.5	10.5	10.5
127.5°	17.7	17.7	17.7	17.3	16.5	15.3	12.9	10.5	9.3	9.3	9.3
130°	15.7	15.7	15.3	15.3	14.5	12.9	10.9	8.9	7.6	8.5	8.5
132.5°	13.7	13.7	13.7	12.9	12.1	10.9	8.9	7.2	6.8	7.2	7.2
135°	11.7	12.1	11.7	11.3	10.5	8.9	7.2	6.0	6.0	6.4	6.4
137.5°	10.1	10.1	10.1	9.3	8.5	7.2	5.6	4.8	5.2	5.6	5.6
140°	8.5	8.5	8.0	7.6	6.8	5.6	4.4	3.6	4.4	4.8	4.8
142.5°	6.8	6.8	6.4	6.0	4.8	4.0	2.8	2.8	3.6	4.0	4.0
145°	5.2	5.2	4.8	4.4	3.6	2.4	2.0	2.4	3.2	3.2	3.2
147.5°	3.6	3.6	3.6	2.8	2.0	1.2	0.8	1.6	2.4	2.4	2.8
150°	2.4	2.4	2.4	2.0	1.2	0.4	0.4	1.2	1.6	2.0	2.0
152.5°	1.6	1.6	1.6	1.2	0.8	0.0	0.0	0.8	1.2	1.2	1.2
155°	0.8	0.8	0.8	0.8	0.4	0.0	0.0	0.4	0.8	0.8	0.8
157.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.4	0.8	0.4	0.4
160°	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.4	0.4	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

(END OF REPORT)