

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: P415429

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415429
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4976 lumens
Efficiency: N/A
Efficacy: 92.1 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: B1 - U3 - G3

Input Watts (W): 54
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

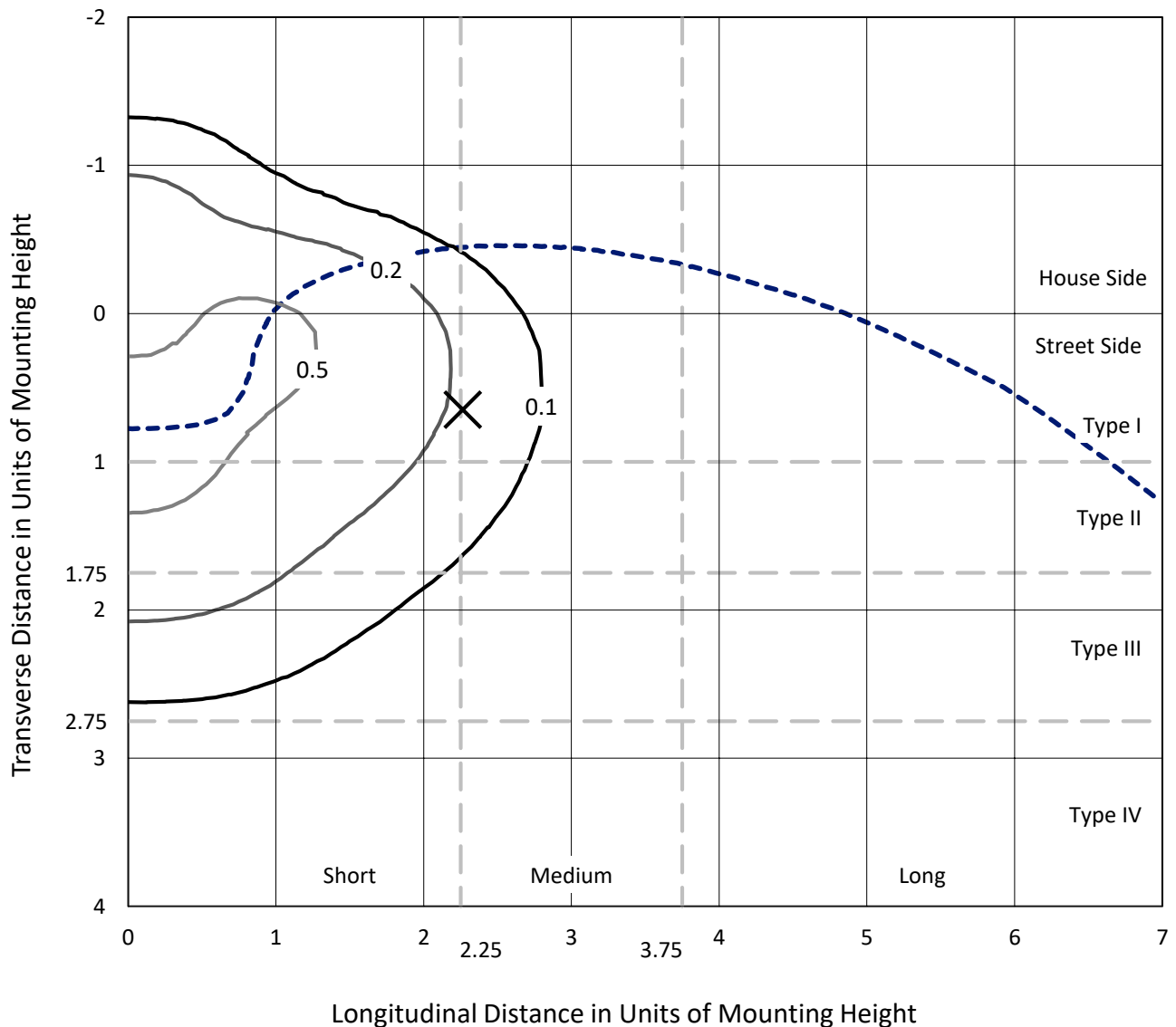


REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

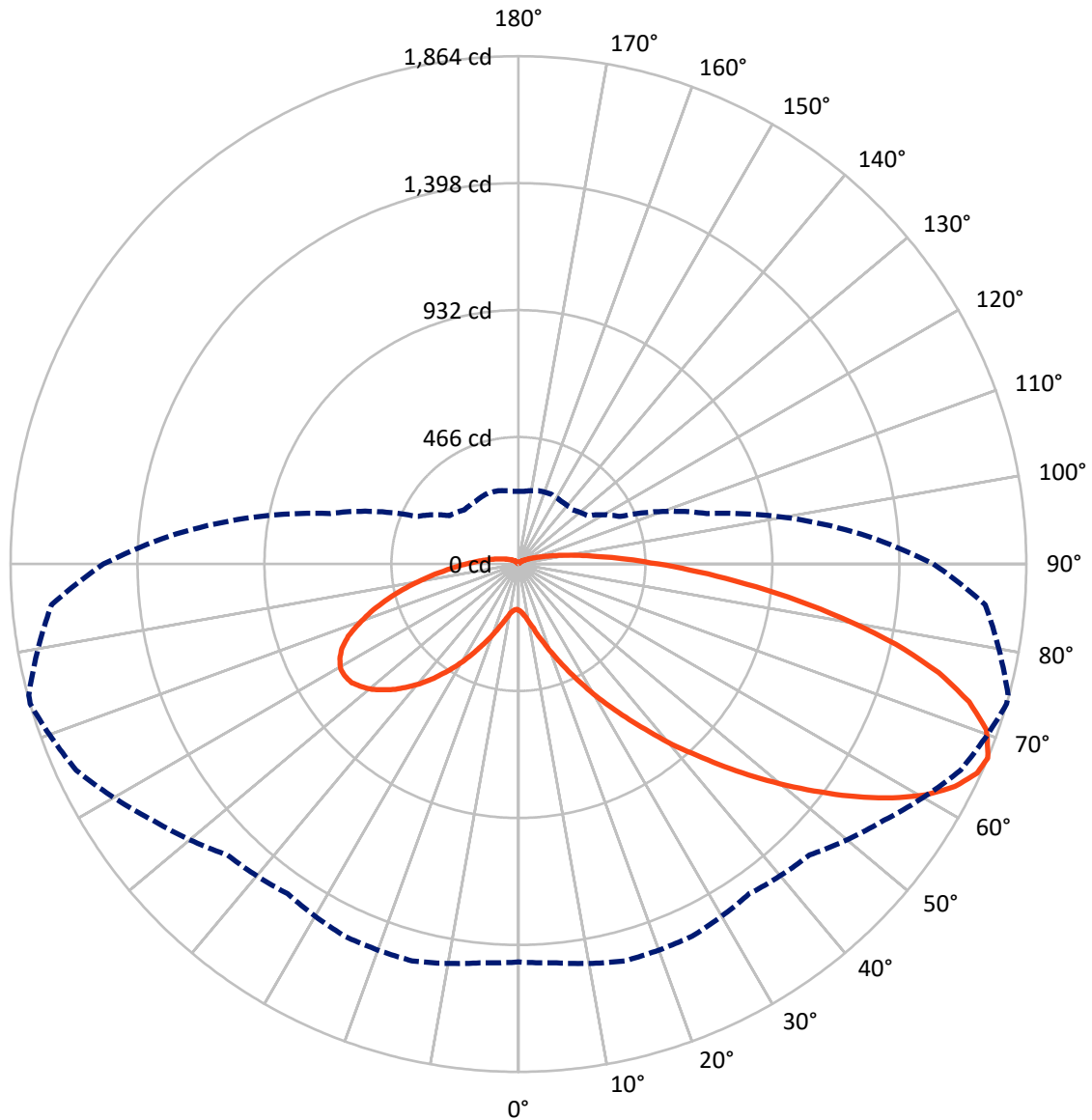


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

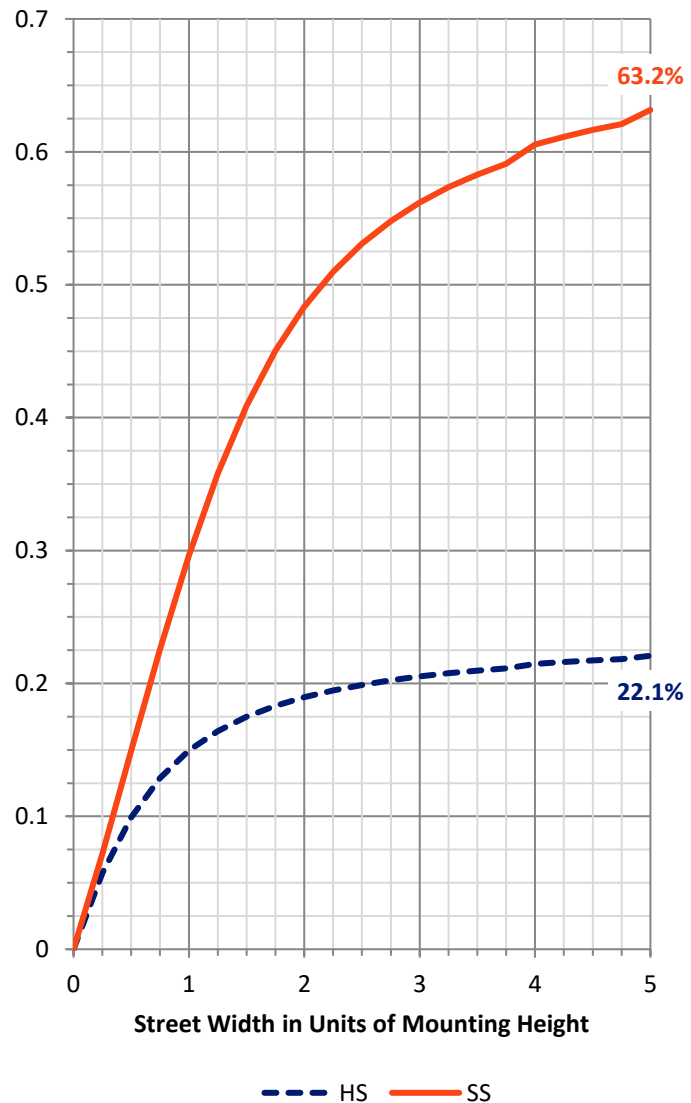
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1160.4	139.5	1299.8
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3358.0	318.2	3676.2
	% Fixture	67.5	6.4	73.9
Total	Lumens	4518.4	457.6	4976.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.7	0.4
10°-20°	72.5	1.5
20°-30°	180.0	3.6
30°-40°	351.6	7.1
40°-50°	581.6	11.7
50°-60°	842.9	16.9
60°-70°	1020.2	20.5
70°-80°	906.9	18.2
80°-90°	544.8	10.9
90°-100°	250.1	5.0
100°-110°	111.4	2.2
110°-120°	53.1	1.1
120°-130°	26.4	0.5
130°-140°	12.1	0.2
140°-150°	4.0	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4518.4	90.8
0°-180°	4976.0	100.0



REPORT NUMBER: P415429

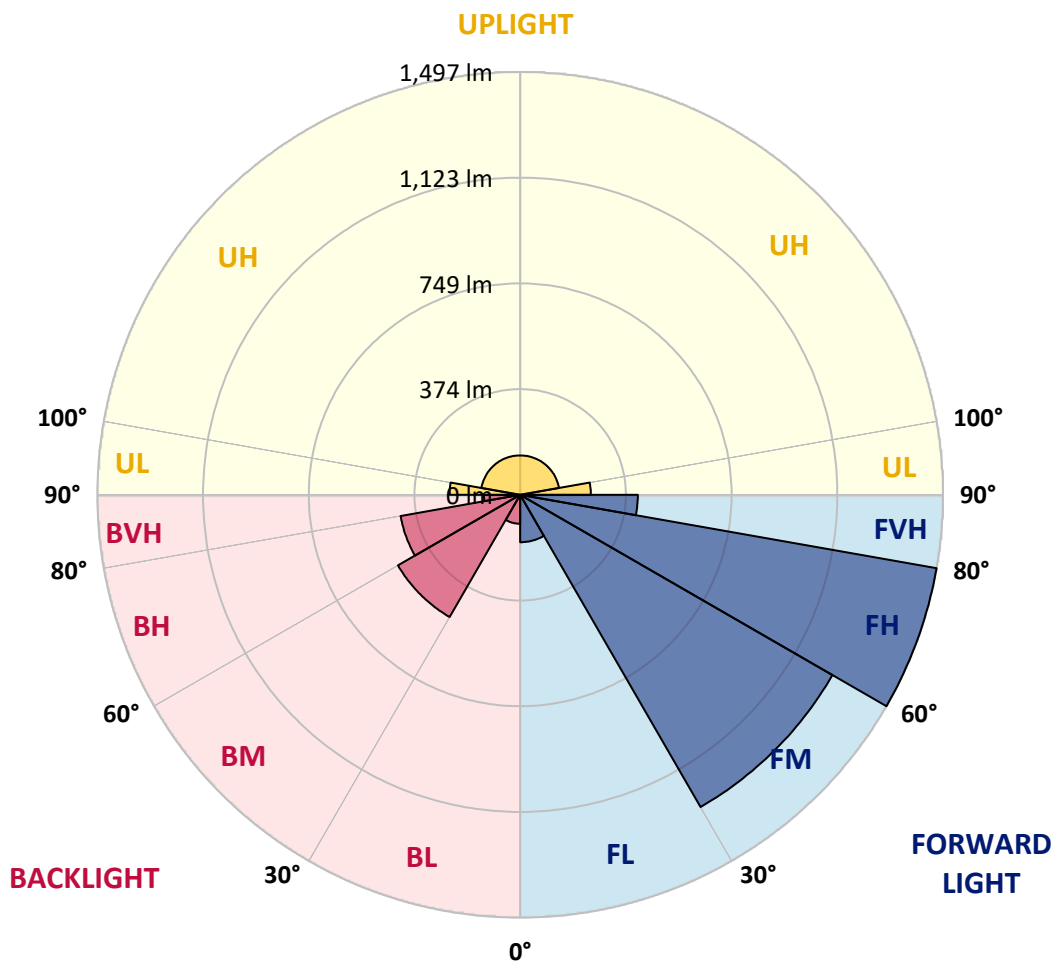
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	167.8	3.4			
FM	(30°-60°)	1276.6	25.7			
FH	(60°-80°)	1497.2	30.1			G1/1800
FVH	(80°-90°)	416.4	8.4			G3/500
BL	(0°-30°)	102.5	2.1	B0/110		
BM	(30°-60°)	499.5	10.0	B1/1000		
BH	(60°-80°)	430.0	8.6	B1/500		G1/500
BVH	(80°-90°)	128.4	2.6			G2/225
UL	(90°-100°)	250.1	5.0		U3/500	
UH	(100°-180°)	139.5	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	187.2	185.4	185.4	184.2	183.6	181.9	180.7	176.6	174.8	174.8	171.8
5°	207.3	206.1	203.7	203.7	201.4	199.0	194.3	189.0	184.8	184.2	178.9
7.5°	232.1	229.1	229.1	226.2	222.6	218.5	212.0	204.9	198.4	197.8	189.6
10°	260.4	259.2	258.1	253.9	249.2	240.9	235.0	225.0	217.3	216.7	205.5
12.5°	295.3	293.5	289.9	285.8	277.5	271.6	261.0	249.8	239.7	240.3	227.3
15°	333.0	331.9	329.5	323.0	313.6	305.3	294.7	282.9	272.8	268.7	255.1
17.5°	376.2	373.8	370.8	363.8	353.1	344.9	330.7	319.5	306.5	307.1	287.6
20°	426.9	424.6	420.4	409.2	399.8	388.6	373.8	361.4	346.6	345.4	326.0
22.5°	477.1	478.3	468.3	456.5	447.6	434.6	420.4	404.5	391.5	390.3	367.9
25°	539.1	535.0	525.0	511.4	497.8	481.9	469.5	455.3	442.9	441.7	415.1
27.5°	604.1	600.6	587.0	569.8	551.5	533.8	523.2	508.4	499.0	497.2	470.0
30°	675.0	669.1	656.6	633.6	608.2	588.1	577.5	572.2	563.3	561.0	533.2
32.5°	754.7	747.0	728.7	700.9	664.3	641.9	637.2	632.4	628.9	625.4	599.4
35°	833.8	831.4	804.3	770.0	734.0	704.5	696.2	703.9	701.5	699.2	671.4
37.5°	917.1	921.2	891.7	846.8	797.2	765.9	760.0	774.2	780.7	780.7	747.6
40°	1015.1	1011.5	982.0	927.1	869.2	832.6	834.4	855.7	871.6	868.1	835.6
42.5°	1112.5	1104.8	1065.9	1012.1	938.9	902.3	902.3	934.8	959.0	959.6	925.3
45°	1208.2	1199.9	1163.3	1093.0	1013.3	973.8	982.0	1021.6	1061.1	1055.8	1022.2
47.5°	1295.6	1292.0	1254.2	1179.3	1089.5	1048.2	1064.7	1123.7	1166.9	1166.9	1129.6
50°	1381.2	1376.5	1341.1	1256.6	1166.3	1125.5	1150.3	1222.4	1277.3	1280.2	1237.1
52.5°	1455.0	1452.1	1419.0	1335.1	1241.8	1200.5	1237.7	1328.1	1391.2	1397.7	1352.3
55°	1508.2	1509.9	1484.5	1404.8	1310.3	1276.1	1326.9	1433.2	1508.2	1509.3	1460.3
57.5°	1547.1	1549.5	1532.4	1463.3	1370.6	1344.6	1413.1	1534.7	1619.8	1625.1	1560.7
60°	1563.7	1567.8	1562.5	1504.6	1424.3	1407.8	1490.5	1625.7	1720.2	1721.9	1644.6
62.5°	1554.8	1559.0	1569.6	1528.2	1463.3	1462.7	1565.4	1704.8	1798.7	1801.1	1708.4
65°	1514.7	1521.2	1547.7	1528.2	1477.5	1496.9	1615.1	1765.6	1850.1	1853.0	1733.2
67°	1460.9	1469.2	1508.2	1507.6	1477.5	1510.5	1639.3	1791.0	1864.2	1860.7	1720.2
67.5°	1448.5	1456.8	1495.8	1501.7	1473.3	1512.3	1642.2	1794.0	1858.9	1858.3	1711.9
70°	1343.4	1358.2	1414.9	1443.2	1442.6	1498.1	1641.0	1778.0	1822.9	1817.0	1642.8
72.5°	1222.4	1240.7	1309.8	1364.1	1381.8	1453.8	1597.9	1714.8	1729.6	1722.5	1513.5
75°	1097.8	1107.8	1179.8	1257.2	1302.1	1378.8	1517.0	1614.5	1593.8	1576.7	1351.7
77.5°	966.1	970.2	1050.5	1137.3	1191.7	1280.2	1396.6	1467.4	1416.6	1402.5	1167.4
80°	813.1	830.3	910.6	1000.9	1068.2	1148.5	1246.6	1289.1	1204.1	1191.1	971.4
82.5°	687.9	698.6	771.8	860.4	936.0	1011.5	1075.3	1086.5	997.4	987.9	780.7
85°	561.6	571.0	647.8	729.9	800.7	863.9	906.4	889.9	797.2	787.2	617.1
87.5°	464.7	471.8	525.0	608.2	670.8	716.3	738.7	718.1	629.5	615.3	476.5
90°	368.5	379.1	426.9	497.2	561.0	590.5	592.9	558.6	486.0	475.4	364.9
92.5°	297.6	304.7	350.2	408.6	458.8	481.3	475.4	446.4	379.7	367.3	282.3
95°	240.9	246.8	284.6	336.0	376.7	397.4	380.9	342.5	289.9	285.2	217.9
97.5°	200.2	201.4	230.9	277.0	309.4	320.1	307.1	272.2	226.8	217.3	167.1
100°	163.6	164.8	189.6	224.4	253.9	261.0	248.0	214.4	176.0	170.1	131.1
102.5°	132.9	135.8	154.7	186.0	207.9	213.2	199.6	170.1	135.8	131.7	102.2
105°	112.8	113.4	129.9	153.5	173.0	177.2	163.6	138.2	106.9	104.5	81.5
107.5°	95.7	95.7	108.7	129.3	144.7	147.0	136.4	112.8	84.4	82.1	66.1



REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	82.1	82.7	92.1	108.7	122.8	124.6	114.0	90.3	67.3	65.5	53.7
112.5°	71.5	72.6	79.1	92.1	104.5	106.3	95.7	73.8	54.9	52.6	44.9
115°	63.2	63.8	68.5	79.1	89.2	90.3	79.7	60.8	44.3	42.5	37.8
117.5°	56.1	56.7	60.2	69.1	76.8	77.4	66.7	50.2	37.2	35.4	33.1
120°	50.8	50.8	53.7	59.6	66.1	66.1	56.1	41.3	30.7	30.1	28.3
122.5°	46.1	46.1	47.8	52.0	56.7	55.5	46.7	34.2	26.0	25.4	24.8
125°	41.9	41.9	43.1	45.5	48.4	46.7	38.4	28.3	22.4	21.8	21.8
127.5°	37.8	37.8	38.4	40.2	40.7	39.0	31.9	23.6	19.5	18.9	19.5
130°	34.2	34.2	34.2	34.2	34.2	33.1	26.0	19.5	16.5	16.5	17.1
132.5°	30.7	30.7	30.1	29.5	28.9	26.6	21.3	15.9	14.8	14.8	15.4
135°	27.2	27.2	26.6	25.4	23.6	20.7	15.9	13.0	12.4	12.4	13.0
137.5°	23.6	23.6	23.0	21.3	18.9	15.9	12.4	10.6	10.6	10.6	11.2
140°	20.1	20.1	19.5	17.7	14.8	11.8	9.4	8.3	8.9	8.9	9.4
142.5°	17.1	16.5	15.9	14.2	11.2	8.3	6.5	6.5	7.1	7.1	7.7
145°	13.6	13.0	12.4	10.6	8.3	5.9	4.7	4.7	5.3	5.3	5.9
147.5°	10.6	10.0	9.4	7.7	5.9	4.1	3.0	3.5	4.1	4.1	4.1
150°	7.1	7.1	7.1	5.9	3.5	2.4	1.8	2.4	2.4	2.4	3.0
152.5°	4.7	4.7	4.7	3.5	2.4	1.2	1.2	1.2	1.8	1.8	1.8
155°	3.0	3.0	3.0	2.4	1.2	0.6	0.6	0.6	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	0.6
160°	0.6	0.6	1.2	1.2	1.2	0.6	0.0	0.0	0.6	0.6	0.6
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: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5	169.5
2.5°	170.7	169.5	167.1	165.3	163.6	161.8	160.0	158.8	157.1	157.1	157.1
5°	176.6	173.6	168.9	165.3	161.2	158.3	154.7	152.4	150.6	150.0	150.0
7.5°	186.6	182.5	175.4	168.3	162.4	157.7	153.5	150.6	148.2	147.6	147.6
10°	200.8	195.5	184.2	176.0	168.3	161.8	156.5	152.4	150.6	149.4	149.4
12.5°	221.4	214.4	201.4	187.2	177.2	168.9	162.4	160.6	160.6	161.2	160.6
15°	246.2	239.2	221.4	204.9	190.1	180.7	177.2	177.2	176.6	177.7	177.7
17.5°	277.5	267.5	246.2	224.4	207.3	198.4	194.9	193.7	194.9	196.6	195.5
20°	314.7	300.0	273.4	246.2	227.9	219.1	213.2	212.0	213.8	214.9	215.5
22.5°	353.7	337.8	304.1	269.3	250.4	238.6	232.1	230.3	233.3	236.2	236.8
25°	398.0	380.3	337.2	297.0	270.5	254.5	248.6	248.0	252.7	256.9	256.9
27.5°	451.7	428.1	373.2	327.1	292.9	271.6	265.1	265.7	272.2	275.8	277.0
30°	507.8	481.3	414.5	354.9	310.6	285.2	278.1	281.1	287.6	294.7	295.8
32.5°	571.0	539.7	454.7	382.7	326.6	295.8	288.2	294.1	301.2	309.4	310.6
35°	637.2	595.2	496.0	408.0	339.5	304.1	295.3	302.3	311.2	318.9	321.2
37.5°	712.2	662.6	540.9	428.7	349.6	308.8	299.4	307.7	317.7	325.4	326.0
40°	788.9	731.6	583.4	448.2	356.7	311.8	301.8	310.0	319.5	326.0	326.6
42.5°	869.2	801.9	623.0	464.1	360.2	311.8	300.6	308.8	317.7	321.2	321.8
45°	963.1	876.3	663.7	475.4	361.4	310.6	298.8	305.3	311.8	313.0	314.7
47.5°	1057.6	950.1	698.6	483.6	360.8	307.7	295.8	301.2	305.3	304.1	305.9
50°	1157.4	1030.4	732.2	488.9	357.9	304.7	291.7	296.4	297.6	294.1	294.1
52.5°	1253.1	1100.1	758.2	489.5	353.7	301.2	288.8	292.3	291.7	285.2	285.8
55°	1348.7	1174.5	780.1	484.2	347.8	297.6	285.8	288.2	286.4	278.7	277.5
57.5°	1430.8	1234.8	789.5	476.5	341.3	294.1	284.0	286.4	282.9	274.0	273.4
60°	1500.5	1281.4	790.1	465.9	333.6	291.1	282.3	285.2	282.3	271.6	270.5
62.5°	1543.6	1302.7	774.8	449.4	326.0	287.6	282.3	284.6	281.1	270.5	269.9
65°	1550.7	1292.0	750.0	430.5	317.1	284.0	281.1	284.0	280.5	269.3	268.1
67°	1522.9	1261.3	716.3	412.8	309.4	281.1	278.7	282.9	278.7	268.1	266.3
67.5°	1513.5	1247.2	708.6	410.4	307.7	279.9	278.1	281.7	278.1	267.5	265.7
70°	1430.8	1169.8	650.7	384.4	296.4	274.0	274.0	277.0	273.4	263.4	260.4
72.5°	1303.3	1061.1	592.9	359.6	284.0	265.1	266.9	269.9	266.3	256.9	253.3
75°	1155.6	938.9	528.5	330.7	269.9	256.3	257.5	260.4	256.9	246.8	243.9
77.5°	991.5	797.8	463.6	304.1	255.1	244.5	245.1	246.8	243.9	233.8	230.9
80°	815.5	657.8	397.4	274.0	238.0	229.7	230.3	230.3	226.2	217.9	215.5
82.5°	657.2	534.4	339.0	247.4	219.1	213.2	213.2	212.6	207.3	200.2	196.6
85°	511.4	431.1	284.0	220.3	200.2	194.9	194.3	191.9	186.6	178.9	174.8
87.5°	401.0	341.3	239.2	194.3	181.3	177.7	174.2	168.9	164.8	158.3	154.7
90°	313.0	271.0	202.0	170.7	163.0	158.3	154.7	148.2	141.7	135.2	133.5
92.5°	245.1	214.4	168.3	148.8	144.1	140.5	135.8	128.7	122.8	115.1	115.7
95°	194.3	174.2	143.5	131.1	127.6	124.6	118.7	111.0	104.5	97.4	96.3
97.5°	152.4	138.8	120.5	114.0	112.8	109.2	103.3	95.7	88.6	80.9	80.9
100°	121.1	113.4	101.6	100.4	98.0	95.7	89.8	82.7	73.8	67.3	67.3
102.5°	97.4	90.9	86.8	86.8	86.2	83.9	77.9	70.9	62.0	55.5	55.5
105°	77.9	75.6	73.8	75.6	76.2	73.8	67.9	60.2	51.4	45.5	46.7
107.5°	65.0	63.2	63.2	65.5	66.7	64.4	59.1	50.8	42.5	38.4	38.4



REPORT NUMBER: P415429

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	53.7	53.1	54.3	57.3	57.9	56.1	50.8	43.1	35.4	31.9	32.5
112.5°	45.5	44.9	47.2	50.2	50.8	49.0	43.7	36.6	29.5	27.2	27.2
115°	38.4	39.0	40.7	43.1	44.3	42.5	37.8	31.3	24.2	23.0	23.0
117.5°	33.1	33.7	35.4	38.4	39.0	36.6	31.9	26.0	20.7	20.1	20.1
120°	28.9	29.5	31.3	33.1	33.7	31.3	27.2	21.8	17.7	17.1	17.1
122.5°	25.4	26.6	27.8	28.9	29.5	27.2	23.6	18.3	14.8	14.8	15.4
125°	22.4	23.0	24.2	25.4	25.4	23.0	19.5	15.4	13.0	13.0	13.0
127.5°	20.1	20.1	20.7	21.8	21.8	20.1	16.5	12.4	11.2	11.2	11.8
130°	17.7	18.3	18.3	18.3	18.3	16.5	13.6	10.6	9.4	10.0	10.0
132.5°	15.4	15.9	15.9	15.9	15.4	13.6	11.2	8.9	8.3	8.9	8.9
135°	13.6	13.6	13.6	13.6	12.4	11.2	8.9	7.1	7.1	7.7	7.7
137.5°	11.8	11.8	11.8	11.2	10.0	8.9	7.1	5.9	5.9	6.5	6.5
140°	9.4	10.0	9.4	8.9	7.7	6.5	5.3	4.7	5.3	5.3	5.3
142.5°	7.7	7.7	7.7	7.1	5.9	4.7	4.1	3.5	4.1	4.1	4.7
145°	5.9	5.9	5.9	5.3	4.1	3.0	3.0	3.0	3.5	3.5	3.5
147.5°	4.1	4.1	4.1	3.5	2.4	1.8	1.8	1.8	2.4	2.4	2.4
150°	3.0	3.0	3.0	2.4	1.2	0.6	0.6	1.2	1.8	1.8	1.8
152.5°	1.8	1.8	1.8	1.2	0.6	0.0	0.6	1.2	1.2	0.6	0.6
155°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	0.0	0.0
157.5°	1.2	1.2	0.6	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0
160°	0.6	0.6	0.6	0.0	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

(END OF REPORT)