

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: P415393

Luminaire Tested: **LXF.LXT-PA1-50-727-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415393
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-PA1-50-727-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 4912 lumens
Efficiency: N/A
Efficacy: 91.0 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 - G3

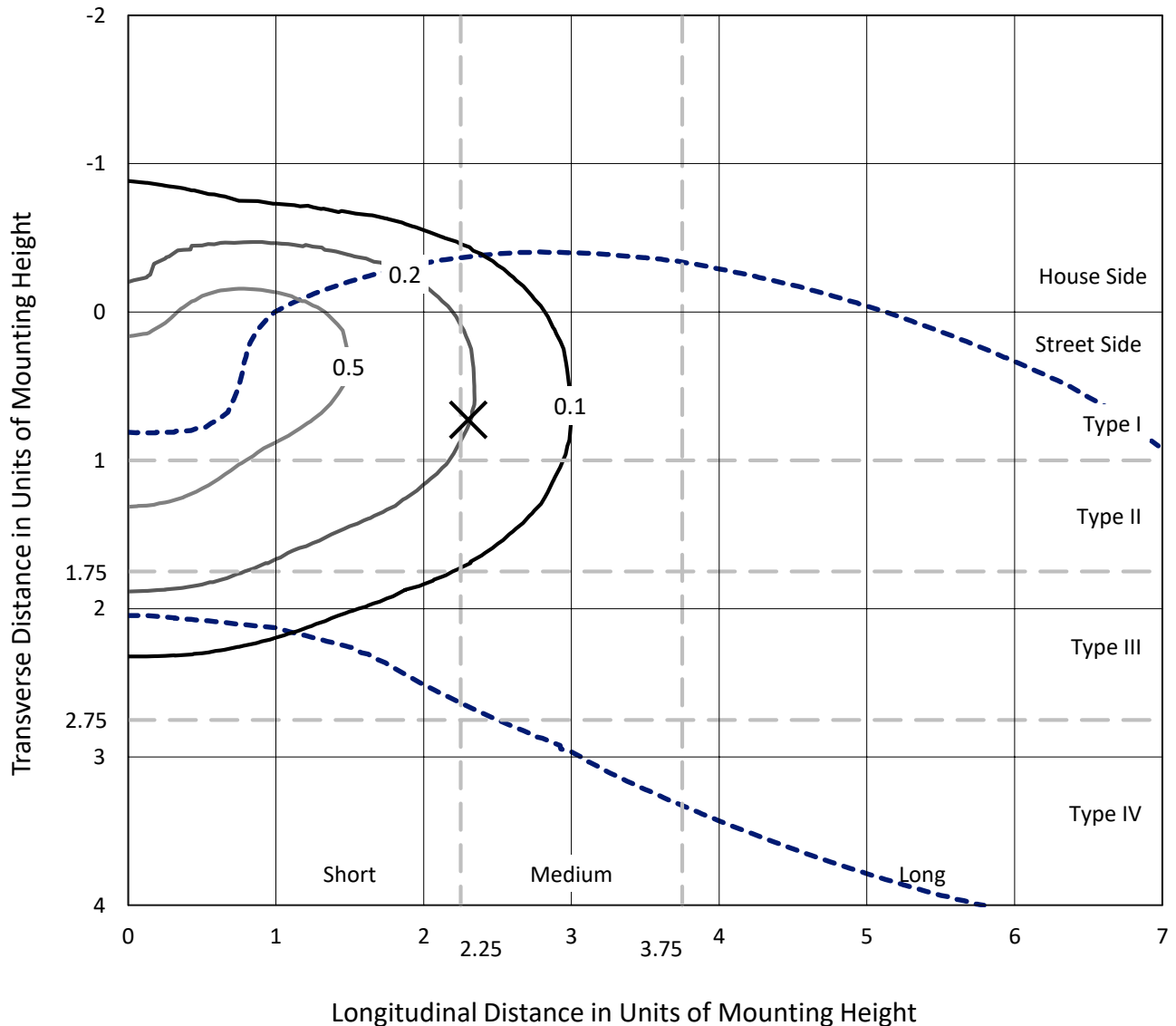
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415393
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

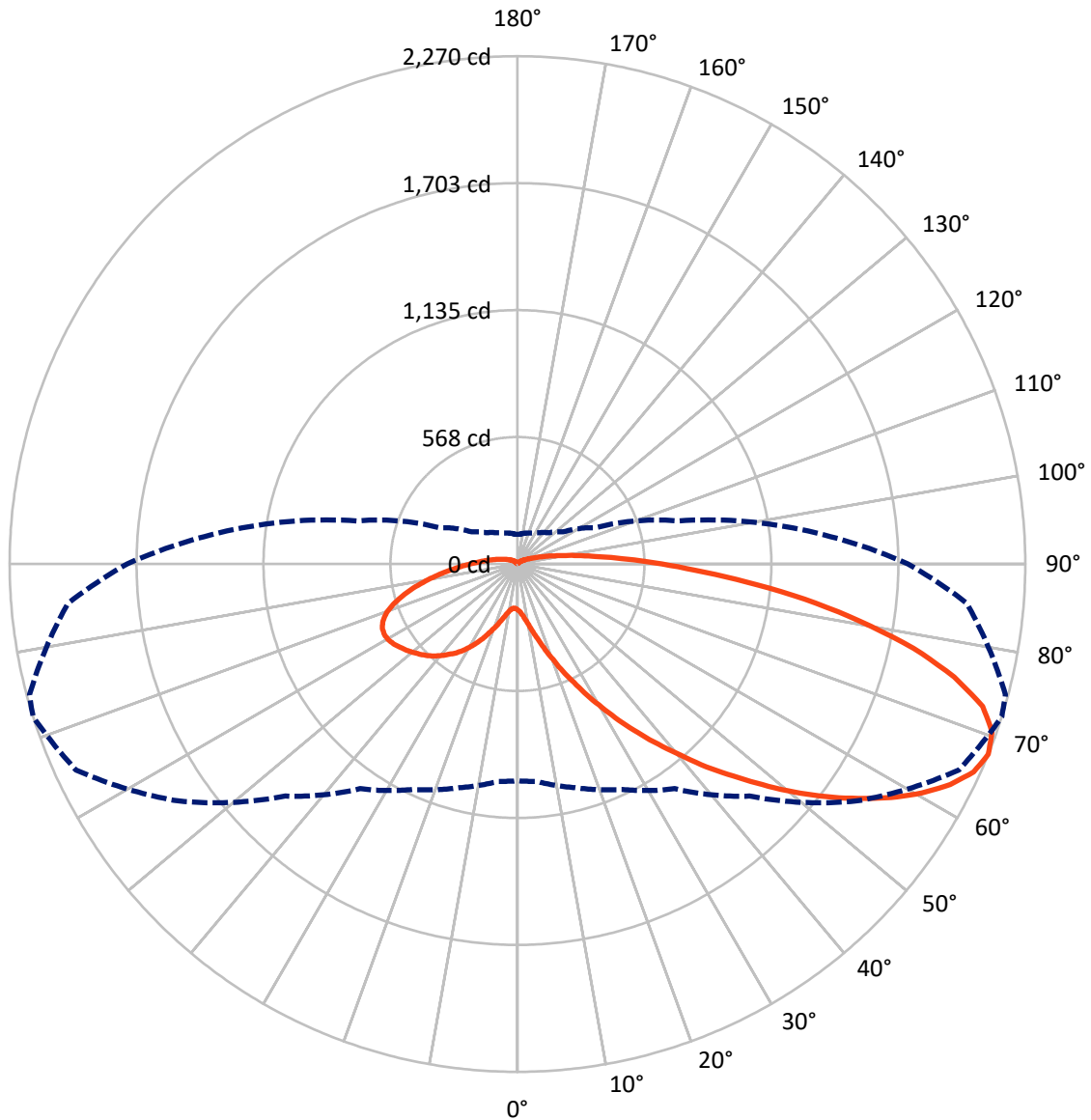
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415393
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415393

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	997.5	141.9	1139.4
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3497.6	275.1	3772.7
	% Fixture	71.2	5.6	76.8
Total	Lumens	4495.0	417.0	4912.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	0.4
10°-20°	83.8	1.7
20°-30°	202.4	4.1
30°-40°	385.7	7.9
40°-50°	620.9	12.6
50°-60°	859.1	17.5
60°-70°	987.0	20.1
70°-80°	847.2	17.2
80°-90°	487.8	9.9
90°-100°	220.5	4.5
100°-110°	101.3	2.1
110°-120°	50.9	1.0
120°-130°	26.4	0.5
130°-140°	12.6	0.3
140°-150°	4.3	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4495.0	91.5
0°-180°	4912.0	100.0



REPORT NUMBER: P415393

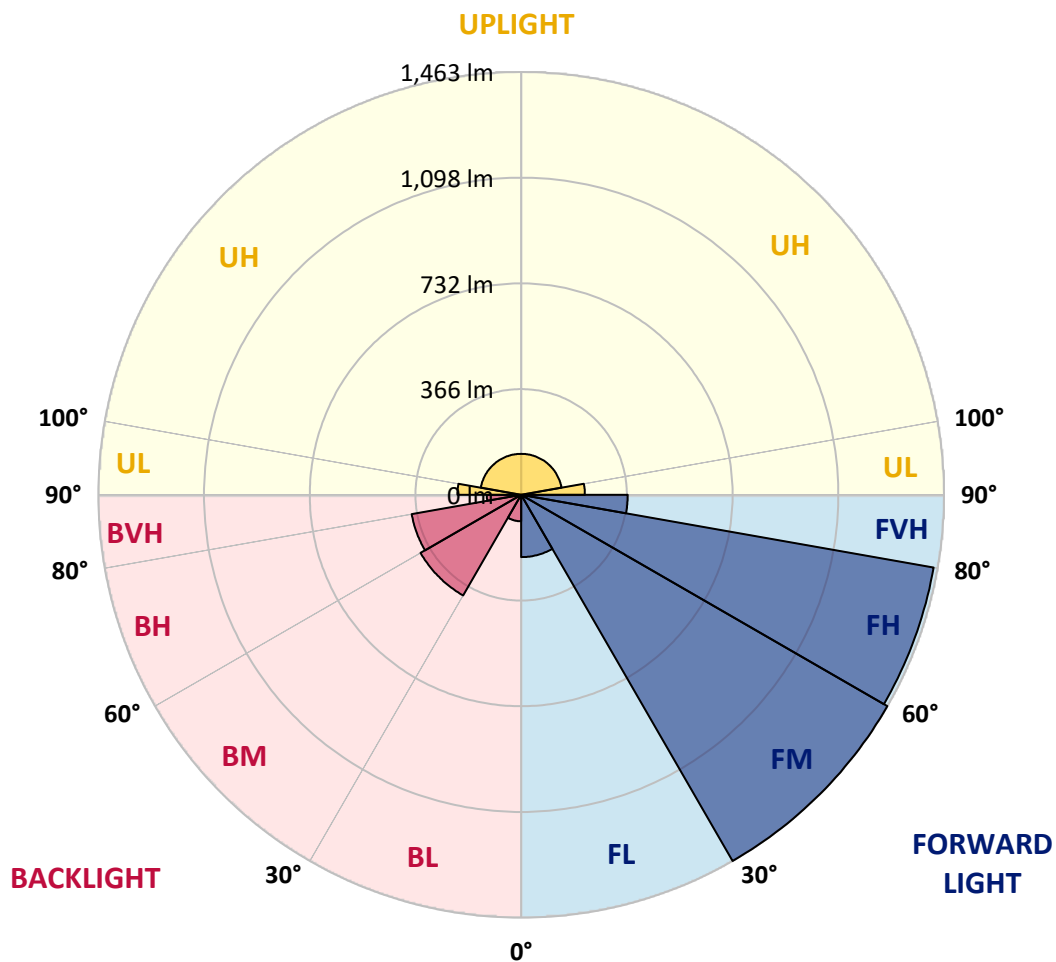
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.7	4.4			
FM (30°-60°)	1463.5	29.8			
FH (60°-80°)	1449.6	29.5			G1/1800
FVH (80°-90°)	368.8	7.5			G3/500
BL (0°-30°)	91.6	1.9	B0/110		
BM (30°-60°)	402.2	8.2	B1/1000		
BH (60°-80°)	384.6	7.8	B1/500		G1/500
BVH (80°-90°)	119.0	2.4			G2/225
UL (90°-100°)	220.5	4.5		U3/500	
UH (100°-180°)	141.9	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415393

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9
2.5°	229.7	229.1	229.7	227.9	226.2	222.6	220.3	215.5	213.2	212.0	207.3
5°	262.2	261.6	261.0	258.7	252.7	248.6	241.5	233.3	227.9	225.6	217.9
7.5°	297.6	296.4	295.3	289.9	285.8	278.7	268.1	257.5	248.6	246.8	232.7
10°	337.8	336.6	334.2	330.1	322.4	312.4	302.9	287.6	276.4	271.1	255.7
12.5°	379.1	381.5	378.5	370.3	361.4	352.0	338.4	323.6	311.8	307.7	284.0
15°	429.3	431.1	428.1	418.7	409.2	395.1	384.4	369.1	353.1	350.8	324.8
17.5°	484.8	484.2	478.3	469.5	461.2	450.0	434.6	420.5	402.7	398.6	366.7
20°	545.1	542.7	537.4	522.6	514.9	501.9	492.5	473.0	455.9	450.0	418.1
22.5°	605.3	604.1	599.4	585.8	576.4	565.1	551.0	533.2	521.4	509.6	474.2
25°	680.9	673.8	667.9	643.7	634.8	624.2	611.8	597.0	585.8	579.3	538.6
27.5°	756.5	751.2	737.6	719.9	702.7	685.6	680.3	667.3	663.8	658.4	612.4
30°	831.5	829.1	814.3	791.9	767.1	750.6	747.6	748.8	743.5	737.0	688.0
32.5°	916.5	911.2	894.7	864.5	838.6	819.1	819.1	827.3	832.1	825.6	773.6
35°	999.8	995.0	974.4	937.2	908.2	884.6	894.1	913.5	924.8	924.8	860.4
37.5°	1087.8	1077.1	1055.9	1016.9	977.9	960.8	971.4	1005.1	1021.6	1021.6	956.7
40°	1164.5	1163.9	1135.0	1088.3	1050.0	1024.6	1057.0	1101.9	1123.8	1122.0	1053.5
42.5°	1241.3	1240.7	1212.9	1161.6	1113.1	1100.2	1140.9	1204.1	1239.5	1239.5	1151.5
45°	1310.4	1305.7	1282.0	1225.3	1180.5	1174.6	1234.8	1315.1	1351.7	1357.6	1257.8
47.5°	1361.2	1357.0	1336.4	1281.4	1238.9	1249.6	1322.2	1424.4	1474.0	1473.4	1366.5
50°	1395.4	1391.3	1373.6	1326.3	1289.7	1316.3	1417.3	1540.1	1602.1	1606.8	1474.0
52.5°	1405.5	1403.1	1393.6	1354.7	1331.1	1376.5	1506.4	1658.2	1728.5	1732.6	1591.5
55°	1388.3	1388.3	1387.7	1364.1	1354.7	1430.3	1598.6	1773.4	1849.5	1857.2	1707.2
57.5°	1348.2	1349.9	1360.6	1352.9	1367.1	1473.4	1676.5	1877.3	1969.4	1974.1	1810.6
60°	1287.4	1283.8	1307.4	1321.6	1360.0	1500.5	1745.6	1981.8	2078.1	2079.8	1901.5
62.5°	1195.2	1197.0	1231.3	1268.5	1334.6	1511.8	1806.4	2073.3	2170.8	2174.9	1972.4
65°	1086.6	1090.7	1137.4	1200.0	1290.9	1499.9	1841.3	2143.6	2241.1	2235.7	2013.1
67.5°	969.1	975.0	1035.8	1112.0	1225.9	1466.9	1847.2	2177.3	2270.0	2258.2	2016.7
70°	840.3	855.7	916.5	1015.7	1142.1	1403.7	1812.9	2171.4	2250.5	2239.3	1964.1
72.5°	723.4	734.6	801.3	904.7	1048.2	1312.2	1740.3	2103.5	2174.3	2151.9	1854.3
75°	607.1	624.2	687.4	797.8	946.6	1198.8	1616.9	1972.4	2016.1	1991.9	1690.7
77.5°	507.9	523.2	585.8	692.1	835.0	1080.1	1455.1	1773.4	1809.4	1784.6	1484.0
80°	414.0	431.1	491.9	596.4	730.5	940.7	1269.6	1540.7	1554.3	1515.3	1256.1
82.5°	346.1	354.9	411.6	503.7	627.1	811.4	1079.5	1292.7	1293.3	1246.6	1020.4
85°	282.9	288.2	340.1	423.4	529.1	685.6	886.4	1041.1	1029.3	1003.9	786.6
87.5°	229.1	234.4	281.1	356.1	445.3	572.2	723.4	819.7	791.9	771.8	610.6
90°	187.8	193.7	232.1	297.0	373.8	472.4	575.8	633.6	608.8	593.5	470.7
92.5°	153.5	159.4	193.1	248.6	316.5	386.8	457.7	484.8	467.7	450.0	354.9
95°	129.9	131.1	161.2	207.9	261.6	312.4	358.5	374.4	350.8	344.3	274.6
97.5°	106.9	110.4	134.1	175.4	218.5	260.4	284.0	292.3	271.1	256.9	210.2
100°	90.9	92.7	113.4	146.5	181.9	212.0	230.3	226.2	207.3	199.0	159.4
102.5°	77.9	79.7	96.3	127.0	154.7	176.6	185.4	178.9	161.2	155.9	125.2
105°	68.5	69.1	82.7	107.5	131.1	149.4	152.9	142.9	125.8	118.7	98.6
107.5°	60.8	61.4	72.0	93.3	113.4	125.8	127.0	115.7	99.2	93.9	79.1
110°	54.3	55.5	63.2	80.9	98.0	107.5	106.3	94.5	79.1	74.4	65.0



REPORT NUMBER: P415393

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	49.0	50.2	56.1	70.9	85.0	93.3	90.4	76.2	63.2	60.2	53.7
115°	44.9	46.1	50.8	62.6	75.0	80.9	76.2	63.2	52.0	48.4	44.9
117.5°	41.9	42.5	46.1	55.5	65.0	69.7	64.4	52.6	42.5	40.2	38.4
120°	39.0	39.6	42.5	49.0	57.3	59.6	54.3	43.1	35.4	34.3	33.7
122.5°	36.6	36.6	39.0	43.7	49.6	51.4	46.1	36.0	30.1	28.9	29.5
125°	34.3	34.3	35.4	39.0	43.1	44.3	38.4	30.1	25.4	24.8	26.0
127.5°	31.9	31.9	32.5	34.8	37.2	37.2	31.9	24.8	21.8	21.3	23.0
130°	29.5	29.5	29.5	30.7	31.9	31.3	26.0	20.7	18.9	18.9	20.1
132.5°	27.2	27.2	27.2	27.2	26.6	25.4	21.3	16.5	16.5	16.5	17.7
135°	24.2	24.2	24.2	23.6	22.4	20.7	16.5	13.6	13.6	14.2	15.4
137.5°	21.8	21.8	21.3	20.1	18.3	15.9	13.0	10.6	11.8	11.8	13.0
140°	18.9	18.9	18.3	16.5	14.2	11.8	9.4	8.9	9.4	10.0	11.2
142.5°	15.9	15.9	15.4	13.6	11.2	8.3	6.5	6.5	7.7	7.7	8.9
145°	13.0	13.0	12.4	10.6	7.7	5.3	4.1	4.7	5.9	5.9	6.5
147.5°	10.0	10.0	9.4	7.7	5.3	3.5	2.4	3.5	4.1	4.1	4.7
150°	7.1	7.1	6.5	5.3	3.5	1.8	1.2	1.8	2.4	3.0	3.0
152.5°	4.7	4.7	4.1	3.5	1.8	0.6	1.2	1.8	1.8	1.8	2.4
155°	3.0	2.4	2.4	1.8	0.6	0.0	0.6	1.2	1.2	1.2	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.6	0.6	0.6	1.2	1.2
160°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
162.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
165°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
167.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
170°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
172.5°	0.0	0.6	0.6	1.2	0.6	0.0	0.6	0.6	0.6	0.6	0.6
175°	0.0	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.0	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6



REPORT NUMBER: P415393

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9	204.9
2.5°	206.1	203.7	200.2	196.6	193.1	190.7	188.4	187.2	185.4	183.7	183.7
5°	213.2	208.5	200.2	191.9	184.2	177.7	171.3	167.7	165.3	163.0	163.6
7.5°	226.2	219.1	205.5	191.9	179.5	168.9	160.0	152.9	148.2	145.3	145.9
10°	244.5	236.8	216.1	196.6	178.9	163.6	151.2	141.1	135.2	132.3	132.3
12.5°	273.4	260.4	233.3	205.5	181.9	161.2	145.3	133.5	125.2	121.6	121.1
15°	308.3	289.9	256.9	222.6	189.0	161.2	140.5	132.3	127.0	124.6	124.0
17.5°	349.6	329.5	284.0	238.6	198.4	164.8	147.0	137.0	131.1	128.7	128.1
20°	394.5	370.9	313.6	258.7	207.9	175.4	153.5	141.1	134.6	132.3	132.3
22.5°	449.4	418.1	345.5	276.4	219.7	184.2	160.0	144.7	138.8	136.4	135.8
25°	506.1	470.7	383.3	295.3	232.7	191.3	164.8	148.2	142.3	140.0	140.5
27.5°	572.8	527.3	420.5	314.2	243.9	195.5	167.1	151.2	145.3	143.5	144.1
30°	642.5	585.2	453.5	333.6	251.6	198.4	168.9	153.5	147.0	145.9	145.9
32.5°	716.3	651.4	487.8	350.8	256.3	199.0	168.9	154.7	148.2	147.6	148.2
35°	791.9	715.1	520.8	364.4	258.7	198.4	168.3	155.9	148.2	148.2	148.2
37.5°	875.8	777.7	548.6	373.8	259.2	196.6	167.7	155.3	148.2	148.2	148.8
40°	962.0	844.5	579.3	381.5	258.7	195.5	167.1	155.3	148.2	148.2	148.8
42.5°	1047.6	906.5	608.2	386.2	257.5	194.3	166.5	155.3	148.2	147.0	147.6
45°	1140.3	978.5	636.0	389.2	256.3	193.7	166.5	154.7	148.2	145.9	146.5
47.5°	1226.5	1045.2	658.4	392.7	255.7	193.7	167.1	154.7	147.6	145.3	145.3
50°	1324.0	1114.3	681.5	393.9	254.5	193.7	167.1	154.7	147.0	143.5	144.1
52.5°	1420.2	1184.0	703.9	396.2	254.5	194.3	167.7	154.7	146.5	141.7	141.7
55°	1512.3	1246.0	724.0	398.0	254.5	195.5	169.5	154.7	145.9	140.0	140.0
57.5°	1596.8	1309.8	744.1	398.6	254.5	196.6	169.5	155.3	145.3	138.2	138.2
60°	1671.8	1364.7	758.2	399.2	253.9	197.8	170.7	154.7	144.7	136.4	136.4
62.5°	1724.9	1406.6	765.3	397.4	253.9	197.8	171.3	154.7	144.1	135.8	135.2
65°	1755.1	1421.4	761.2	392.1	252.7	197.8	170.7	154.1	142.9	134.6	134.1
67.5°	1745.0	1405.5	743.5	383.8	249.8	197.2	170.7	152.9	142.9	134.1	132.9
70°	1690.7	1357.6	709.8	371.4	245.7	194.9	168.3	151.2	141.7	133.5	132.3
72.5°	1584.4	1261.4	660.8	352.0	238.6	191.3	165.3	148.2	139.4	131.7	129.9
75°	1436.8	1146.8	601.2	331.9	229.7	186.6	161.8	145.3	136.4	129.3	127.6
77.5°	1247.2	993.9	535.0	305.9	218.5	180.1	157.1	140.5	132.3	125.8	123.4
80°	1050.6	837.4	463.6	278.7	206.7	171.8	150.0	134.6	127.0	121.1	118.1
82.5°	850.4	688.0	396.8	252.7	193.1	162.4	142.9	128.1	121.1	114.6	111.6
85°	670.8	543.9	332.5	225.6	178.9	152.9	134.6	120.5	114.0	106.9	103.9
87.5°	522.0	431.7	278.1	200.8	163.6	142.3	125.8	112.8	105.1	98.6	96.3
90°	406.9	340.1	232.7	177.2	150.0	131.7	116.3	104.5	96.8	90.4	87.4
92.5°	310.0	269.3	194.9	156.5	136.4	121.1	107.5	96.3	88.6	81.5	78.5
95°	242.7	213.8	164.8	137.6	122.8	109.8	98.6	88.0	79.7	72.0	70.3
97.5°	188.4	171.3	138.8	120.5	111.0	99.2	89.2	79.7	71.5	63.8	62.0
100°	148.8	136.4	117.5	106.9	98.6	89.2	80.3	72.0	63.2	54.9	54.3
102.5°	117.5	112.2	99.8	93.9	87.4	80.3	72.6	63.8	54.9	47.2	46.7
105°	96.3	91.5	85.6	82.1	77.9	71.5	64.4	56.7	47.8	40.7	40.7
107.5°	77.9	75.6	72.6	72.0	69.1	63.8	57.9	50.2	41.3	35.4	35.4
110°	63.8	63.2	63.2	63.2	61.4	57.3	51.4	43.7	34.8	30.7	30.7



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	53.7	53.7	54.3	55.5	54.3	50.2	44.9	37.8	30.1	26.6	26.6
115°	45.5	46.1	47.8	48.4	47.8	44.9	39.6	32.5	25.4	23.0	23.6
117.5°	39.6	39.6	41.9	43.1	42.5	39.6	34.3	27.8	21.8	20.7	20.7
120°	34.3	35.4	37.2	37.8	37.2	34.3	30.1	23.6	18.9	18.3	18.3
122.5°	30.1	30.7	32.5	33.7	32.5	30.1	25.4	20.1	15.9	15.9	16.5
125°	26.6	27.2	28.3	29.5	28.3	25.4	21.8	16.5	14.2	14.2	14.2
127.5°	23.6	24.2	25.4	25.4	24.2	21.8	18.3	14.2	11.8	12.4	12.4
130°	20.7	21.3	21.8	21.8	21.3	18.9	15.4	11.8	10.6	11.2	11.2
132.5°	18.3	18.9	18.9	18.9	17.7	15.9	13.0	10.0	9.4	10.0	10.0
135°	15.9	15.9	16.5	15.9	14.8	13.0	10.0	8.3	8.3	8.9	8.9
137.5°	13.6	14.2	14.2	13.0	11.8	10.0	8.3	7.1	7.1	7.7	7.7
140°	11.2	11.8	11.2	10.6	9.4	8.3	6.5	5.3	5.9	6.5	6.5
142.5°	9.4	9.4	9.4	8.3	7.1	5.9	4.7	4.7	5.3	5.3	5.9
145°	7.1	7.1	7.1	6.5	5.3	4.1	3.5	3.5	4.1	4.7	4.7
147.5°	5.3	5.3	5.3	4.7	3.5	3.0	2.4	3.0	3.5	4.1	3.5
150°	3.5	3.5	3.5	3.0	2.4	1.8	1.8	2.4	3.0	3.0	3.0
152.5°	2.4	2.4	2.4	2.4	1.8	0.6	1.2	1.8	2.4	2.4	2.4
155°	1.8	1.8	1.8	1.8	1.2	0.0	0.6	1.2	1.8	1.8	1.8
157.5°	1.2	1.2	1.2	1.2	0.6	0.0	0.0	1.2	1.2	1.2	1.2
160°	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.6
162.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.6	0.0
165°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
167.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
170°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
172.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
175°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
177.5°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.6	0.6	0.0	0.0
180°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6

(END OF REPORT)