

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: P415445

Luminaire Tested: **LXF.LXT-PA1-50-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415445
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-PA1-50-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 5349 lumens
Efficiency: N/A
Efficacy: 99.1 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

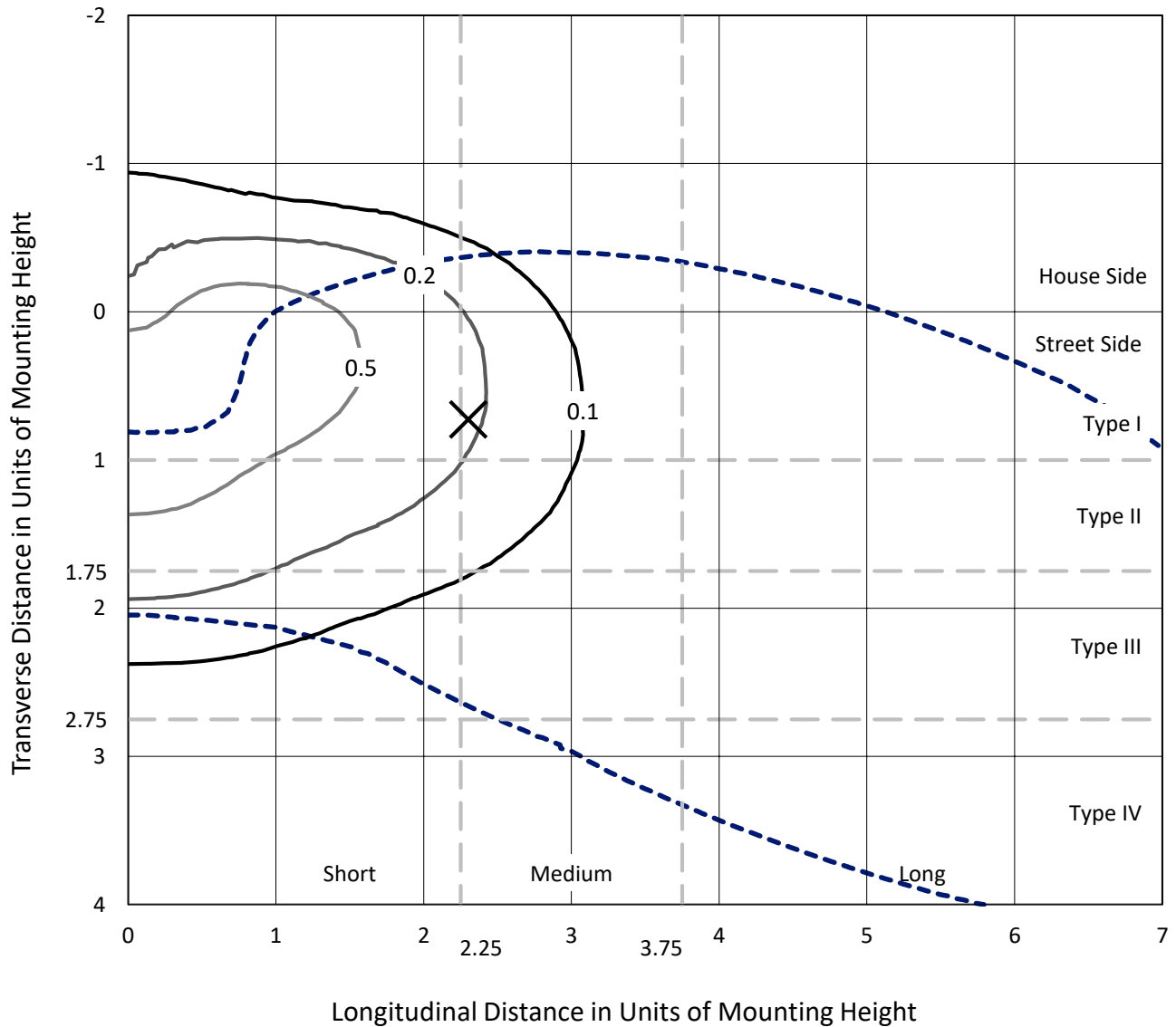
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415445
 CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

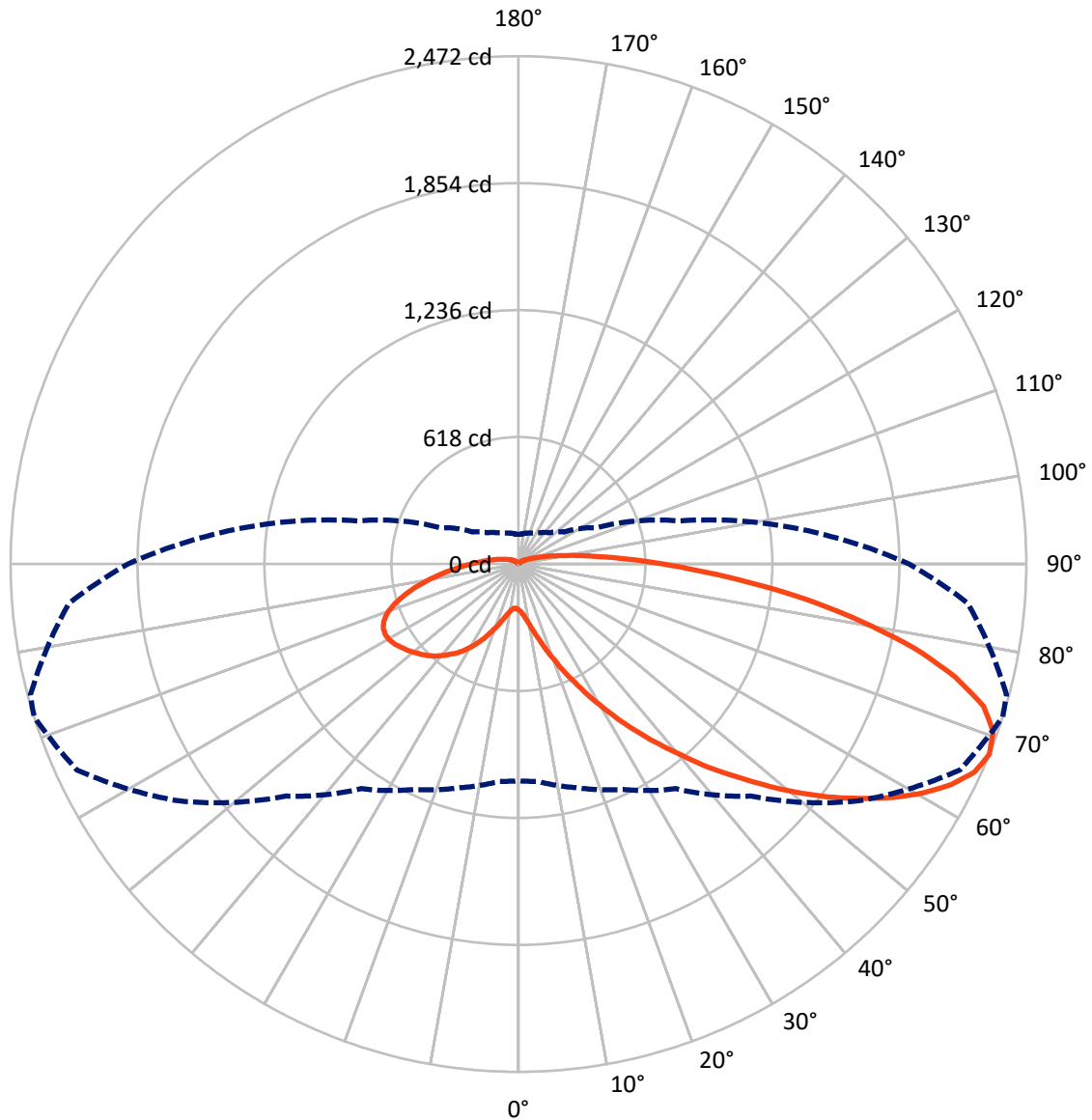
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415445
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415445

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1086.2	154.5	1240.7
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	3808.7	299.5	4108.3
	% Fixture	71.2	5.6	76.8
Total	Lumens	4894.9	454.1	5349.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.0	0.4
10°-20°	91.3	1.7
20°-30°	220.4	4.1
30°-40°	420.1	7.9
40°-50°	676.1	12.6
50°-60°	935.5	17.5
60°-70°	1074.8	20.1
70°-80°	922.6	17.2
80°-90°	531.2	9.9
90°-100°	240.1	4.5
100°-110°	110.3	2.1
110°-120°	55.5	1.0
120°-130°	28.8	0.5
130°-140°	13.7	0.3
140°-150°	4.7	0.1
150°-160°	0.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4894.9	91.5
0°-180°	5349.0	100.0



REPORT NUMBER: P415445

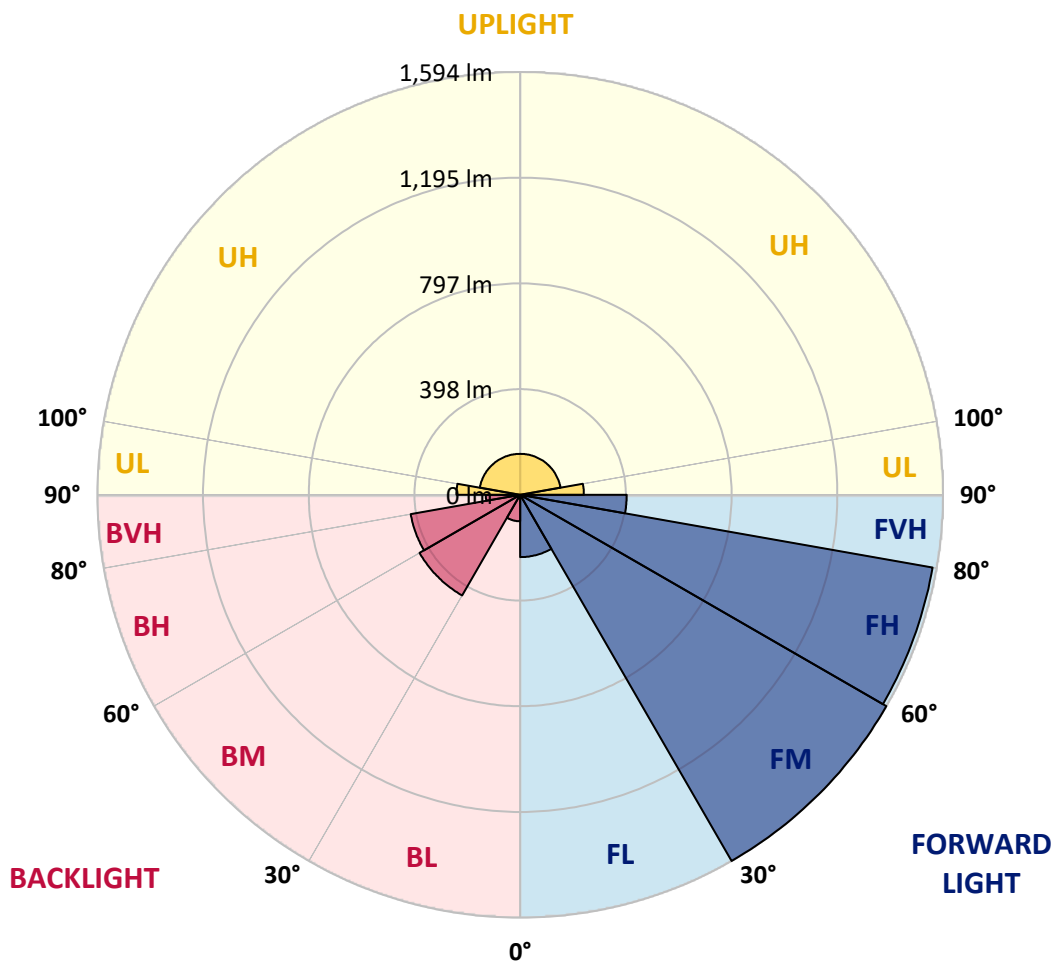
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.9	4.4			
FM	(30°-60°)	1593.7	29.8			
FH	(60°-80°)	1578.6	29.5			G1/1800
FVH	(80°-90°)	401.6	7.5			G3/500
BL	(0°-30°)	99.8	1.9	B0/110		
BM	(30°-60°)	438.0	8.2	B1/1000		
BH	(60°-80°)	418.9	7.8	B1/500		G1/500
BVH	(80°-90°)	129.6	2.4			G2/225
UL	(90°-100°)	240.1	4.5		U3/500	
UH	(100°-180°)	154.5	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415445

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1
2.5°	250.2	249.5	250.2	248.2	246.3	242.4	239.9	234.7	232.1	230.9	225.7
5°	285.5	284.9	284.2	281.7	275.2	270.7	263.0	254.0	248.2	245.7	237.3
7.5°	324.1	322.8	321.5	315.7	311.2	303.5	292.0	280.4	270.7	268.8	253.4
10°	367.8	366.5	364.0	359.5	351.1	340.2	329.9	313.2	301.0	295.2	278.4
12.5°	412.8	415.4	412.2	403.2	393.6	383.3	368.5	352.4	339.5	335.0	309.3
15°	467.5	469.4	466.2	455.9	445.6	430.2	418.6	401.9	384.6	382.0	353.7
17.5°	528.0	527.3	520.9	511.2	502.2	490.0	473.3	457.9	438.6	434.1	399.3
20°	593.5	591.0	585.2	569.1	560.8	546.6	536.3	515.1	496.4	490.0	455.3
22.5°	659.1	657.9	652.7	637.9	627.6	615.4	600.0	580.7	567.8	555.0	516.4
25°	741.5	733.7	727.3	700.9	691.3	679.7	666.2	650.1	637.9	630.8	586.5
27.5°	823.8	818.0	803.2	783.9	765.2	746.6	740.8	726.7	722.8	717.0	666.9
30°	905.4	902.9	886.8	862.4	835.3	817.3	814.1	815.4	809.6	802.5	749.2
32.5°	998.0	992.3	974.2	941.4	913.2	891.9	891.9	900.9	906.1	899.0	842.4
35°	1088.7	1083.6	1061.1	1020.5	989.0	963.3	973.6	994.8	1007.0	1007.0	936.9
37.5°	1184.5	1173.0	1149.8	1107.4	1064.9	1046.3	1057.8	1094.5	1112.5	1112.5	1041.8
40°	1268.1	1267.5	1236.0	1185.2	1143.4	1115.7	1151.1	1200.0	1223.8	1221.8	1147.2
42.5°	1351.7	1351.1	1320.9	1264.9	1212.2	1198.0	1242.4	1311.2	1349.8	1349.8	1254.0
45°	1427.0	1421.8	1396.1	1334.4	1285.5	1279.1	1344.7	1432.1	1472.0	1478.4	1369.7
47.5°	1482.3	1477.8	1455.3	1395.5	1349.2	1360.7	1439.8	1551.1	1605.1	1604.4	1488.1
50°	1519.6	1515.1	1495.8	1444.3	1404.5	1433.4	1543.4	1677.1	1744.6	1749.8	1605.1
52.5°	1530.5	1527.9	1517.6	1475.2	1449.5	1499.0	1640.5	1805.7	1882.3	1886.8	1733.1
55°	1511.8	1511.8	1511.2	1485.5	1475.2	1557.5	1740.8	1931.1	2014.1	2022.4	1859.1
57.5°	1468.1	1470.0	1481.6	1473.3	1488.7	1604.4	1825.7	2044.3	2144.6	2149.8	1971.6
60°	1401.9	1398.0	1423.7	1439.2	1481.0	1634.0	1900.9	2158.1	2262.9	2264.9	2070.7
62.5°	1301.6	1303.5	1340.8	1381.3	1453.3	1646.2	1967.1	2257.8	2363.9	2368.4	2147.8
65°	1183.2	1187.7	1238.5	1306.7	1405.7	1633.4	2005.1	2334.3	2440.4	2434.6	2192.2
67.5°	1055.3	1061.7	1127.9	1210.9	1335.0	1597.4	2011.5	2371.0	2471.9	2459.1	2196.1
70°	915.1	931.8	998.0	1106.1	1243.7	1528.6	1974.2	2364.6	2450.7	2438.5	2138.8
72.5°	787.8	800.0	872.6	985.2	1141.4	1428.9	1895.1	2290.6	2367.8	2343.3	2019.2
75°	661.1	679.7	748.5	868.8	1030.8	1305.4	1760.7	2147.8	2195.4	2169.1	1841.1
77.5°	553.0	569.8	637.9	753.7	909.3	1176.2	1584.5	1931.1	1970.4	1943.3	1616.0
80°	450.8	469.4	535.7	649.5	795.5	1024.4	1382.6	1677.8	1692.5	1650.1	1367.8
82.5°	376.8	386.5	448.2	548.5	682.9	883.6	1175.5	1407.7	1408.3	1357.5	1111.2
85°	308.0	313.8	370.4	461.1	576.2	746.6	965.2	1133.7	1120.9	1093.2	856.6
87.5°	249.5	255.3	306.1	387.8	484.9	623.1	787.8	892.6	862.4	840.5	664.9
90°	204.5	210.9	252.7	323.5	407.1	514.5	627.0	690.0	663.0	646.3	512.5
92.5°	167.2	173.6	210.3	270.7	344.7	421.2	498.4	528.0	509.3	490.0	386.5
95°	141.5	142.8	175.6	226.4	284.9	340.2	390.3	407.7	382.0	374.9	299.0
97.5°	116.4	120.3	146.0	191.0	237.9	283.6	309.3	318.3	295.2	279.7	228.9
100°	99.0	101.0	123.5	159.5	198.1	230.9	250.8	246.3	225.7	216.7	173.6
102.5°	84.9	86.8	104.8	138.3	168.5	192.3	201.9	194.8	175.6	169.8	136.3
105°	74.6	75.2	90.0	117.0	142.8	162.7	166.6	155.6	137.0	129.3	107.4
107.5°	66.2	66.9	78.5	101.6	123.5	137.0	138.3	126.0	108.0	102.2	86.2
110°	59.2	60.4	68.8	88.1	106.7	117.0	115.8	102.9	86.2	81.0	70.7



REPORT NUMBER: P415445

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	53.4	54.7	61.1	77.2	92.6	101.6	98.4	83.0	68.8	65.6	58.5
115°	48.9	50.2	55.3	68.2	81.7	88.1	83.0	68.8	56.6	52.7	48.9
117.5°	45.7	46.3	50.2	60.4	70.7	75.9	70.1	57.2	46.3	43.7	41.8
120°	42.4	43.1	46.3	53.4	62.4	64.9	59.2	46.9	38.6	37.3	36.7
122.5°	39.9	39.9	42.4	47.6	54.0	55.9	50.2	39.2	32.8	31.5	32.2
125°	37.3	37.3	38.6	42.4	46.9	48.2	41.8	32.8	27.7	27.0	28.3
127.5°	34.7	34.7	35.4	37.9	40.5	40.5	34.7	27.0	23.8	23.2	25.1
130°	32.2	32.2	32.2	33.4	34.7	34.1	28.3	22.5	20.6	20.6	21.9
132.5°	29.6	29.6	29.6	29.6	28.9	27.7	23.2	18.0	18.0	18.0	19.3
135°	26.4	26.4	26.4	25.7	24.4	22.5	18.0	14.8	14.8	15.4	16.7
137.5°	23.8	23.8	23.2	21.9	19.9	17.4	14.1	11.6	12.9	12.9	14.1
140°	20.6	20.6	19.9	18.0	15.4	12.9	10.3	9.6	10.3	10.9	12.2
142.5°	17.4	17.4	16.7	14.8	12.2	9.0	7.1	7.1	8.4	8.4	9.6
145°	14.1	14.1	13.5	11.6	8.4	5.8	4.5	5.1	6.4	6.4	7.1
147.5°	10.9	10.9	10.3	8.4	5.8	3.9	2.6	3.9	4.5	4.5	5.1
150°	7.7	7.7	7.1	5.8	3.9	1.9	1.3	1.9	2.6	3.2	3.2
152.5°	5.1	5.1	4.5	3.9	1.9	0.6	1.3	1.9	1.9	1.9	2.6
155°	3.2	2.6	2.6	1.9	0.6	0.0	0.6	1.3	1.3	1.3	1.9
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.6	0.6	0.6	1.3	1.3
160°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
162.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
165°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
167.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
170°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
172.5°	0.0	0.6	0.6	1.3	0.6	0.0	0.6	0.6	0.6	0.6	0.6
175°	0.0	0.6	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
177.5°	0.0	0.6	0.6	1.3	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: P415445

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1	223.1
2.5°	224.4	221.9	218.0	214.1	210.3	207.7	205.1	203.9	201.9	200.0	200.0
5°	232.1	227.0	218.0	209.0	200.6	193.6	186.5	182.6	180.1	177.5	178.1
7.5°	246.3	238.6	223.8	209.0	195.5	183.9	174.3	166.6	161.4	158.2	158.8
10°	266.2	257.9	235.4	214.1	194.8	178.1	164.6	153.7	147.3	144.0	144.0
12.5°	297.7	283.6	254.0	223.8	198.1	175.6	158.2	145.3	136.3	132.5	131.8
15°	335.7	315.7	279.7	242.4	205.8	175.6	153.0	144.0	138.3	135.7	135.0
17.5°	380.7	358.8	309.3	259.8	216.1	179.4	160.1	149.2	142.8	140.2	139.5
20°	429.6	403.8	341.5	281.7	226.4	191.0	167.2	153.7	146.6	144.0	144.0
22.5°	489.4	455.3	376.2	301.0	239.2	200.6	174.3	157.6	151.1	148.5	147.9
25°	551.1	512.5	417.3	321.5	253.4	208.4	179.4	161.4	155.0	152.4	153.0
27.5°	623.8	574.3	457.9	342.1	265.6	212.9	182.0	164.6	158.2	156.3	156.9
30°	699.7	637.3	493.9	363.3	273.9	216.1	183.9	167.2	160.1	158.8	158.8
32.5°	780.0	709.3	531.2	382.0	279.1	216.7	183.9	168.5	161.4	160.8	161.4
35°	862.4	778.8	567.2	396.8	281.7	216.1	183.3	169.8	161.4	161.4	161.4
37.5°	953.7	846.9	597.4	407.1	282.3	214.1	182.6	169.1	161.4	161.4	162.1
40°	1047.6	919.6	630.8	415.4	281.7	212.9	182.0	169.1	161.4	161.4	162.1
42.5°	1140.8	987.1	662.4	420.6	280.4	211.6	181.3	169.1	161.4	160.1	160.8
45°	1241.8	1065.6	692.6	423.8	279.1	210.9	181.3	168.5	161.4	158.8	159.5
47.5°	1335.6	1138.2	717.0	427.6	278.4	210.9	182.0	168.5	160.8	158.2	158.2
50°	1441.8	1213.5	742.1	428.9	277.2	210.9	182.0	168.5	160.1	156.3	156.9
52.5°	1546.6	1289.3	766.5	431.5	277.2	211.6	182.6	168.5	159.5	154.3	154.3
55°	1646.9	1356.9	788.4	433.4	277.2	212.9	184.6	168.5	158.8	152.4	152.4
57.5°	1738.9	1426.3	810.3	434.1	277.2	214.1	184.6	169.1	158.2	150.5	150.5
60°	1820.5	1486.1	825.7	434.7	276.5	215.4	185.8	168.5	157.6	148.5	148.5
62.5°	1878.4	1531.8	833.4	432.8	276.5	215.4	186.5	168.5	156.9	147.9	147.3
65°	1911.2	1547.9	828.9	427.0	275.2	215.4	185.8	167.8	155.6	146.6	146.0
67.5°	1900.3	1530.5	809.6	418.0	272.0	214.8	185.8	166.6	155.6	146.0	144.7
70°	1841.1	1478.4	773.0	404.5	267.5	212.2	183.3	164.6	154.3	145.3	144.0
72.5°	1725.3	1373.6	719.6	383.3	259.8	208.4	180.1	161.4	151.8	143.4	141.5
75°	1564.6	1248.8	654.6	361.4	250.2	203.2	176.2	158.2	148.5	140.8	138.9
77.5°	1358.2	1082.3	582.6	333.1	237.9	196.1	171.1	153.0	144.0	137.0	134.4
80°	1144.0	911.9	504.8	303.5	225.1	187.1	163.3	146.6	138.3	131.8	128.6
82.5°	926.0	749.2	432.1	275.2	210.3	176.8	155.6	139.5	131.8	124.8	121.5
85°	730.5	592.3	362.0	245.7	194.8	166.6	146.6	131.2	124.1	116.4	113.2
87.5°	568.5	470.1	302.9	218.6	178.1	155.0	137.0	122.8	114.5	107.4	104.8
90°	443.1	370.4	253.4	192.9	163.3	143.4	126.7	113.8	105.5	98.4	95.2
92.5°	337.6	293.2	212.2	170.4	148.5	131.8	117.0	104.8	96.5	88.7	85.5
95°	264.3	232.8	179.4	149.8	133.8	119.6	107.4	95.8	86.8	78.5	76.5
97.5°	205.1	186.5	151.1	131.2	120.9	108.0	97.1	86.8	77.8	69.5	67.5
100°	162.1	148.5	128.0	116.4	107.4	97.1	87.5	78.5	68.8	59.8	59.2
102.5°	128.0	122.2	108.7	102.2	95.2	87.5	79.1	69.5	59.8	51.4	50.8
105°	104.8	99.7	93.2	89.4	84.9	77.8	70.1	61.7	52.1	44.4	44.4
107.5°	84.9	82.3	79.1	78.5	75.2	69.5	63.0	54.7	45.0	38.6	38.6
110°	69.5	68.8	68.8	68.8	66.9	62.4	55.9	47.6	37.9	33.4	33.4



REPORT NUMBER: P415445

CATALOG NUMBER: LXF.LXT-PA1-50-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	58.5	58.5	59.2	60.4	59.2	54.7	48.9	41.2	32.8	28.9	28.9
115°	49.5	50.2	52.1	52.7	52.1	48.9	43.1	35.4	27.7	25.1	25.7
117.5°	43.1	43.1	45.7	46.9	46.3	43.1	37.3	30.2	23.8	22.5	22.5
120°	37.3	38.6	40.5	41.2	40.5	37.3	32.8	25.7	20.6	19.9	19.9
122.5°	32.8	33.4	35.4	36.7	35.4	32.8	27.7	21.9	17.4	17.4	18.0
125°	28.9	29.6	30.9	32.2	30.9	27.7	23.8	18.0	15.4	15.4	15.4
127.5°	25.7	26.4	27.7	27.7	26.4	23.8	19.9	15.4	12.9	13.5	13.5
130°	22.5	23.2	23.8	23.8	23.2	20.6	16.7	12.9	11.6	12.2	12.2
132.5°	19.9	20.6	20.6	20.6	19.3	17.4	14.1	10.9	10.3	10.9	10.9
135°	17.4	17.4	18.0	17.4	16.1	14.1	10.9	9.0	9.0	9.6	9.6
137.5°	14.8	15.4	15.4	14.1	12.9	10.9	9.0	7.7	7.7	8.4	8.4
140°	12.2	12.9	12.2	11.6	10.3	9.0	7.1	5.8	6.4	7.1	7.1
142.5°	10.3	10.3	10.3	9.0	7.7	6.4	5.1	5.1	5.8	5.8	6.4
145°	7.7	7.7	7.7	7.1	5.8	4.5	3.9	3.9	4.5	5.1	5.1
147.5°	5.8	5.8	5.8	5.1	3.9	3.2	2.6	3.2	3.9	4.5	3.9
150°	3.9	3.9	3.9	3.2	2.6	1.9	1.9	2.6	3.2	3.2	3.2
152.5°	2.6	2.6	2.6	2.6	1.9	0.6	1.3	1.9	2.6	2.6	2.6
155°	1.9	1.9	1.9	1.9	1.3	0.0	0.6	1.3	1.9	1.9	1.9
157.5°	1.3	1.3	1.3	1.3	0.6	0.0	0.0	1.3	1.3	1.3	1.3
160°	0.6	1.3	1.3	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)