

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: P695313

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-727-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4583 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

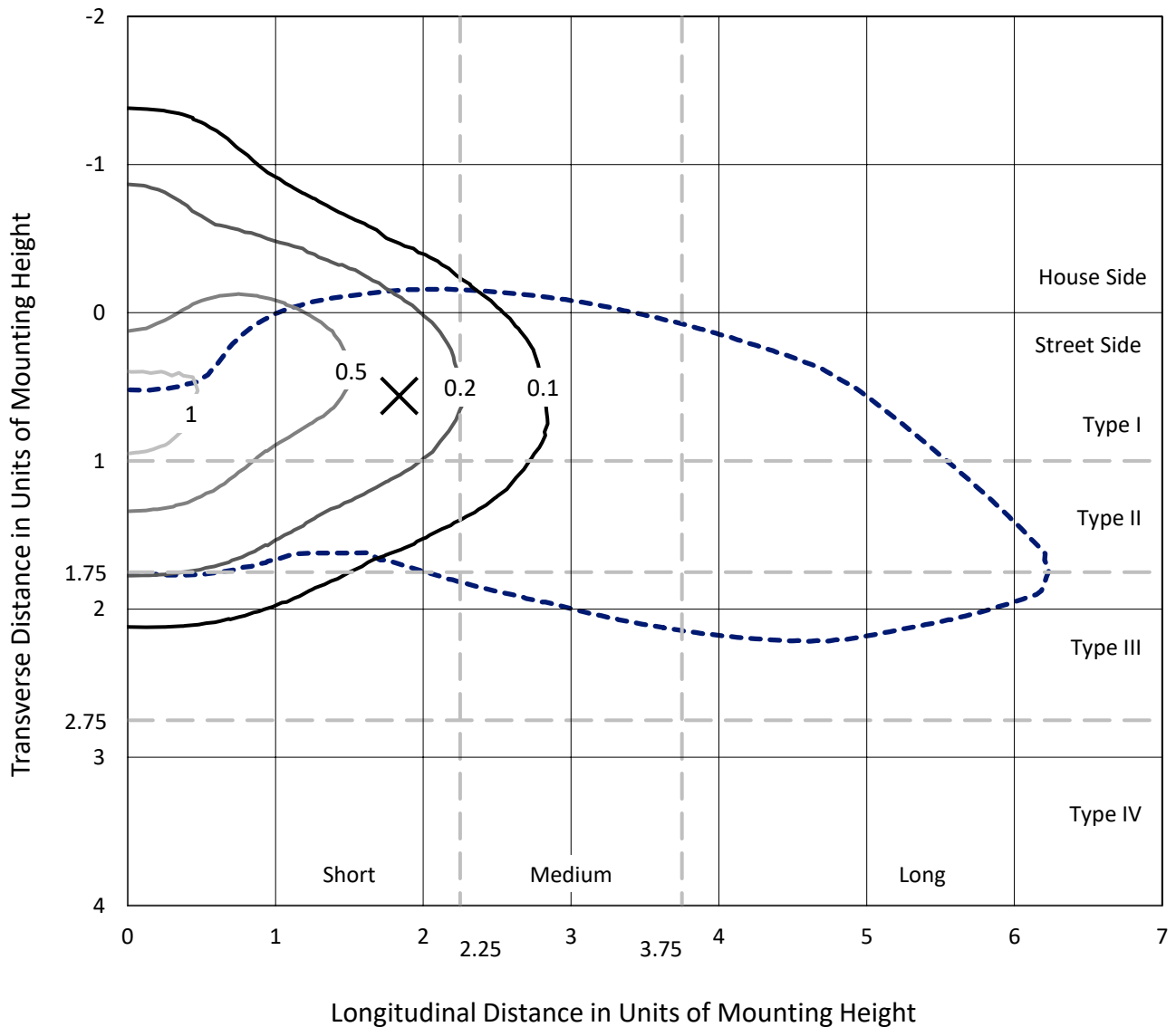
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

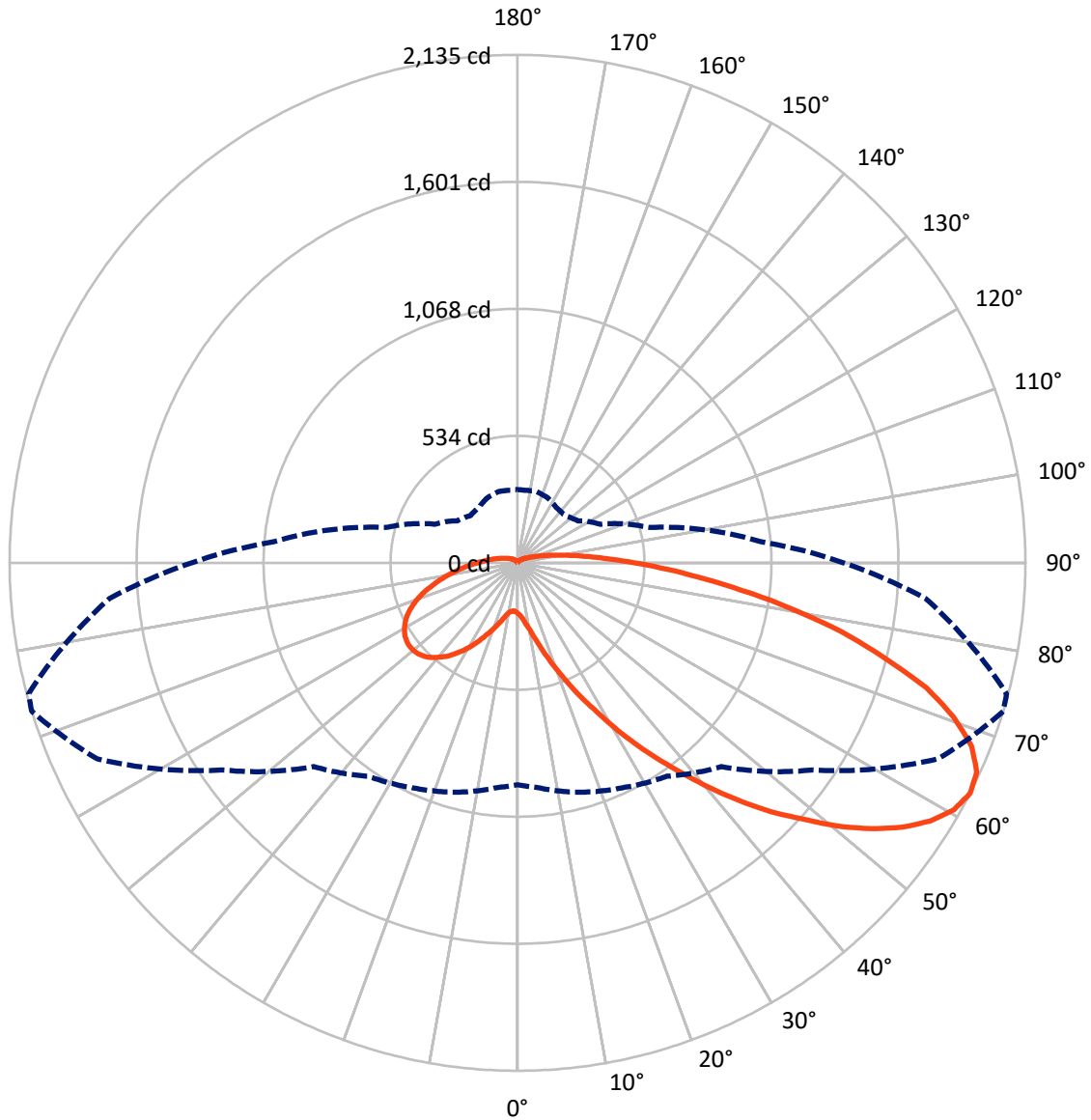
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

REPORT NUMBER: P695313
CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

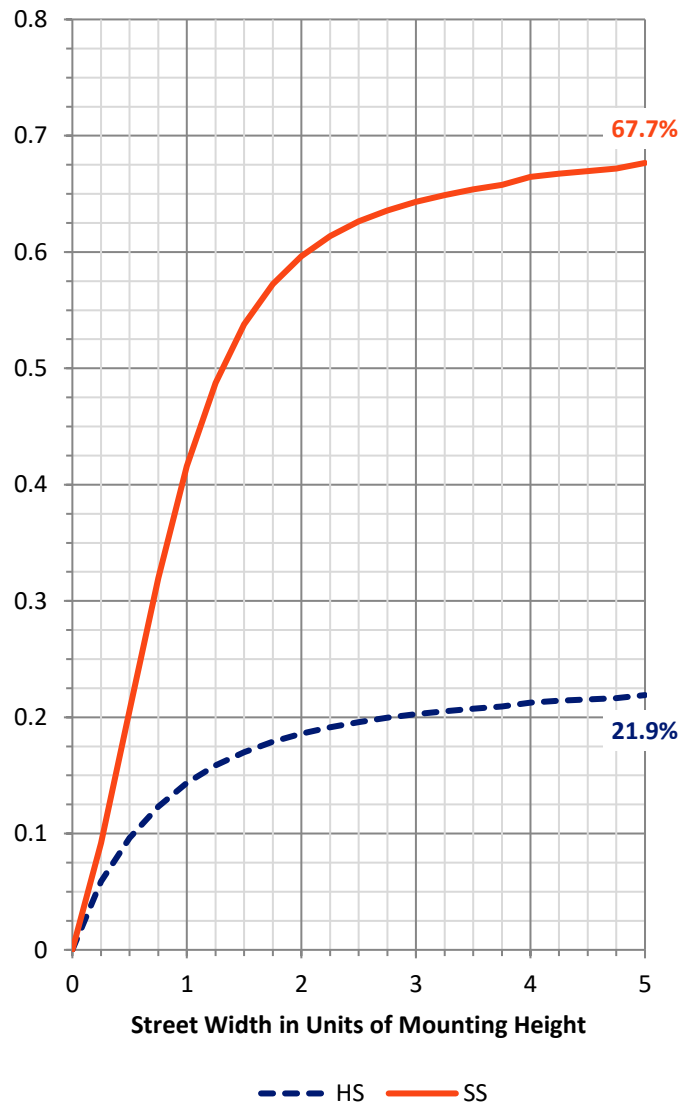
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1060.1	138.6	1198.7
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3190.6	193.7	3384.3
	% Fixture	69.6	4.2	73.8
Total	Lumens	4250.7	332.3	4583.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.2	0.5
10°-20°	93.4	2.0
20°-30°	240.9	5.3
30°-40°	471.9	10.3
40°-50°	720.7	15.7
50°-60°	877.9	19.2
60°-70°	849.0	18.5
70°-80°	627.0	13.7
80°-90°	347.6	7.6
90°-100°	165.1	3.6
100°-110°	81.3	1.8
110°-120°	43.7	1.0
120°-130°	24.3	0.5
130°-140°	12.7	0.3
140°-150°	5.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4250.7	92.7
0°-180°	4583.0	100.0

Coefficient of Utilization



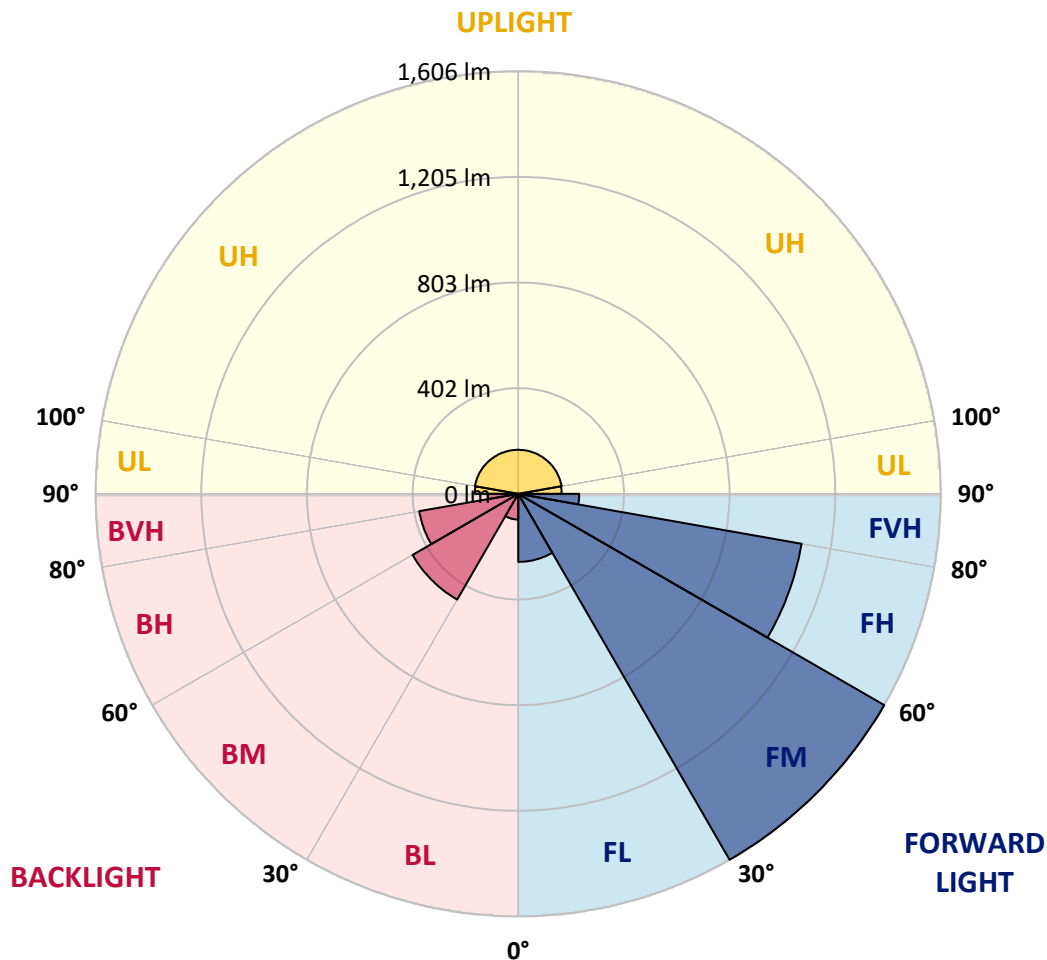
REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.8	5.6			
FM (30°-60°)	1606.3	35.0			
FH (60°-80°)	1093.9	23.9			G1/1800
FVH (80°-90°)	231.6	5.1			G3/500
BL (0°-30°)	97.8	2.1	B0/110		
BM (30°-60°)	464.2	10.1	B1/1000		
BH (60°-80°)	382.1	8.3	B1/500		G1/500
BVH (80°-90°)	116.1	2.5			G2/225
UL (90°-100°)	165.1	3.6		U3/500	
UH (100°-180°)	167.2	3.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short



REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
2.5°	240.5	238.8	240.5	238.8	235.3	231.8	228.4	223.2	221.5	219.7	214.5
5°	280.3	282.0	280.3	273.4	269.9	263.0	256.1	245.7	237.0	235.3	224.9
7.5°	328.7	327.0	325.3	320.1	311.4	299.3	287.2	273.4	261.2	257.8	240.5
10°	385.8	380.6	382.4	370.2	359.9	344.3	328.7	308.0	287.2	283.7	261.2
12.5°	451.6	449.8	446.4	430.8	415.2	397.9	373.7	347.8	325.3	318.3	290.7
15°	531.1	524.2	520.8	503.5	482.7	460.2	430.8	399.7	372.0	366.8	327.0
17.5°	619.4	610.7	600.4	577.9	557.1	527.7	493.1	458.5	425.6	418.7	368.5
20°	711.1	707.6	695.5	667.8	636.7	605.5	567.5	526.0	484.4	475.8	418.7
22.5°	821.8	818.3	797.6	763.0	724.9	688.6	645.3	600.4	553.6	539.8	472.3
25°	942.9	932.5	908.3	865.1	821.8	771.6	728.4	679.9	629.8	612.5	534.6
27.5°	1065.8	1057.1	1024.2	975.8	917.0	861.6	813.2	766.4	707.6	699.0	598.6
30°	1186.9	1186.9	1143.6	1088.2	1010.4	948.1	901.4	858.1	804.5	792.4	676.5
32.5°	1308.0	1304.5	1268.2	1193.8	1107.3	1034.6	989.6	953.3	904.9	882.4	761.3
35°	1420.4	1418.7	1370.3	1290.7	1195.5	1119.4	1081.3	1057.1	1008.7	989.6	846.0
37.5°	1524.2	1517.3	1463.7	1382.4	1266.4	1192.1	1169.6	1167.8	1119.4	1095.2	936.0
40°	1595.2	1590.0	1543.3	1451.6	1332.2	1259.5	1257.8	1276.8	1242.2	1216.3	1029.4
42.5°	1638.4	1631.5	1593.4	1503.5	1384.1	1316.6	1337.4	1385.8	1366.8	1337.4	1124.6
45°	1648.8	1643.6	1612.5	1529.4	1418.7	1363.3	1408.3	1494.8	1491.4	1463.7	1218.0
47.5°	1622.9	1622.9	1602.1	1532.9	1432.5	1394.5	1477.5	1600.4	1607.3	1593.4	1316.6
50°	1572.7	1569.2	1564.0	1508.7	1427.3	1411.8	1531.2	1707.6	1738.8	1718.0	1418.7
52.5°	1487.9	1486.2	1491.4	1460.2	1401.4	1410.0	1569.2	1799.3	1856.4	1837.4	1505.2
55°	1375.4	1372.0	1394.5	1385.8	1351.2	1389.3	1588.2	1873.7	1962.0	1944.7	1590.0
57.5°	1240.5	1233.6	1276.8	1292.4	1282.0	1349.5	1588.2	1925.6	2046.7	2031.2	1655.7
60°	1084.8	1090.0	1135.0	1178.2	1190.3	1288.9	1562.3	1951.6	2107.3	2096.9	1699.0
62.5°	932.5	948.1	998.3	1043.3	1095.2	1211.1	1517.3	1949.8	2135.0	2128.0	1721.5
65°	787.2	804.5	854.7	917.0	981.0	1119.4	1448.1	1908.3	2121.1	2117.7	1711.1
67.5°	652.3	664.4	716.3	788.9	865.1	1017.3	1351.2	1830.5	2058.8	2060.6	1662.6
70°	536.3	543.3	598.6	671.3	749.1	903.1	1235.3	1707.6	1944.7	1949.8	1570.9
72.5°	441.2	453.3	494.8	562.3	645.3	799.3	1112.5	1558.8	1797.6	1795.9	1448.1
75°	359.9	366.8	410.0	470.6	543.3	688.6	979.2	1380.6	1590.0	1603.8	1288.9
77.5°	290.7	295.9	339.1	392.7	463.7	591.7	842.6	1195.5	1391.0	1387.6	1121.1
80°	235.3	242.2	278.5	327.0	391.0	503.5	712.8	1001.7	1166.1	1169.6	932.5
82.5°	188.6	195.5	228.4	271.6	333.9	422.1	598.6	839.1	949.8	949.8	769.9
85°	150.5	157.4	188.6	226.6	276.8	358.1	491.4	671.3	757.8	763.0	622.8
87.5°	122.8	126.3	154.0	190.3	233.6	301.0	404.8	531.1	600.4	593.4	489.6
90°	98.6	102.1	126.3	157.4	197.2	252.6	330.5	429.1	465.4	463.7	382.4
92.5°	81.3	83.0	105.5	134.9	167.8	212.8	271.6	333.9	361.6	359.9	302.8
95°	67.5	69.2	90.0	114.2	143.6	179.9	221.5	268.2	285.5	282.0	237.0
97.5°	57.1	57.1	76.1	98.6	124.6	152.3	185.1	214.5	223.2	221.5	190.3
100°	48.4	48.4	64.0	86.5	109.0	131.5	154.0	171.3	174.7	176.5	150.5
102.5°	41.5	43.3	57.1	76.1	93.4	112.5	128.0	140.1	140.1	138.4	119.4
105°	38.1	38.1	48.4	65.7	83.0	96.9	109.0	115.9	112.5	109.0	95.2
107.5°	32.9	32.9	43.3	58.8	72.7	84.8	93.4	95.2	90.0	88.2	79.6
110°	29.4	31.1	38.1	51.9	65.7	74.4	79.6	79.6	74.4	72.7	65.7

REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	27.7	27.7	34.6	46.7	57.1	65.7	69.2	67.5	62.3	60.6	55.4
115°	26.0	26.0	31.1	41.5	51.9	58.8	60.6	57.1	51.9	50.2	46.7
117.5°	24.2	24.2	27.7	36.3	46.7	51.9	53.6	48.4	43.3	43.3	41.5
120°	22.5	22.5	26.0	32.9	41.5	46.7	46.7	41.5	38.1	36.3	36.3
122.5°	22.5	22.5	24.2	29.4	36.3	39.8	41.5	36.3	32.9	31.1	31.1
125°	20.8	20.8	22.5	26.0	32.9	36.3	34.6	31.1	27.7	27.7	27.7
127.5°	20.8	20.8	20.8	24.2	27.7	31.1	31.1	27.7	24.2	24.2	26.0
130°	19.0	19.0	19.0	20.8	24.2	27.7	26.0	22.5	20.8	20.8	22.5
132.5°	19.0	19.0	19.0	19.0	20.8	24.2	22.5	19.0	19.0	19.0	19.0
135°	17.3	17.3	17.3	17.3	19.0	19.0	19.0	17.3	15.6	17.3	17.3
137.5°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	13.8	13.8	13.8	15.6
140°	13.8	13.8	13.8	13.8	12.1	12.1	12.1	10.4	12.1	12.1	13.8
142.5°	13.8	13.8	12.1	12.1	10.4	10.4	8.7	8.7	10.4	10.4	10.4
145°	12.1	12.1	10.4	8.7	6.9	6.9	6.9	6.9	6.9	8.7	8.7
147.5°	8.7	8.7	8.7	6.9	5.2	3.5	3.5	5.2	5.2	5.2	6.9
150°	6.9	6.9	6.9	5.2	3.5	1.7	1.7	3.5	3.5	3.5	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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

REPORT NUMBER: P695313

CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
2.5°	212.8	211.1	205.9	202.4	199.0	197.2	193.8	192.0	192.0	190.3	192.0
5°	219.7	214.5	204.2	195.5	186.9	179.9	174.7	171.3	169.6	167.8	166.1
7.5°	231.8	223.2	207.6	193.8	179.9	169.6	160.9	155.7	152.3	148.8	148.8
10°	249.1	237.0	214.5	195.5	178.2	164.4	152.3	145.3	141.9	138.4	138.4
12.5°	275.1	259.5	230.1	200.7	179.9	162.6	150.5	141.9	138.4	136.7	134.9
15°	308.0	288.9	250.9	216.3	186.9	164.4	152.3	148.8	145.3	143.6	143.6
17.5°	346.0	320.1	273.4	231.8	199.0	174.7	162.6	157.4	155.7	154.0	152.3
20°	387.5	358.1	299.3	249.1	212.8	192.0	174.7	169.6	167.8	166.1	166.1
22.5°	437.7	397.9	327.0	268.2	230.1	205.9	190.3	181.7	179.9	179.9	178.2
25°	489.6	446.4	358.1	288.9	247.4	221.5	204.2	195.5	193.8	195.5	195.5
27.5°	550.2	494.8	391.0	311.4	264.7	233.6	218.0	209.3	209.3	212.8	212.8
30°	615.9	545.0	423.9	333.9	280.3	245.7	230.1	224.9	226.6	228.4	230.1
32.5°	679.9	598.6	455.0	356.4	292.4	256.1	242.2	240.5	242.2	245.7	245.7
35°	754.3	659.2	486.2	375.4	302.8	264.7	252.6	254.3	257.8	261.2	263.0
37.5°	828.7	712.8	517.3	389.3	311.4	273.4	263.0	266.4	269.9	276.8	276.8
40°	899.7	768.2	541.5	401.4	318.3	278.5	269.9	276.8	283.7	287.2	287.2
42.5°	974.1	823.5	567.5	410.0	323.5	283.7	276.8	287.2	294.1	295.9	295.9
45°	1050.2	870.2	586.5	417.0	327.0	287.2	282.0	292.4	301.0	302.8	302.8
47.5°	1117.7	913.5	600.4	418.7	327.0	288.9	285.5	297.6	306.2	306.2	306.2
50°	1188.6	956.8	609.0	420.4	328.7	290.7	287.2	301.0	309.7	308.0	309.7
52.5°	1249.1	991.4	612.5	417.0	327.0	288.9	288.9	304.5	313.2	309.7	309.7
55°	1302.8	1017.3	610.7	411.8	323.5	288.9	288.9	304.5	313.2	309.7	309.7
57.5°	1342.6	1032.9	603.8	404.8	320.1	287.2	288.9	304.5	313.2	309.7	309.7
60°	1366.8	1034.6	590.0	396.2	314.9	283.7	285.5	302.8	311.4	308.0	308.0
62.5°	1370.3	1026.0	572.7	384.1	308.0	280.3	283.7	301.0	309.7	306.2	308.0
65°	1351.2	1000.0	550.2	370.2	301.0	275.1	280.3	297.6	306.2	304.5	304.5
67.5°	1302.8	955.0	519.0	352.9	290.7	268.2	275.1	290.7	302.8	299.3	299.3
70°	1224.9	892.7	486.2	333.9	276.8	259.5	266.4	283.7	294.1	292.4	292.4
72.5°	1122.8	818.3	446.4	311.4	263.0	249.1	257.8	273.4	282.0	282.0	280.3
75°	1000.0	735.3	403.1	287.2	247.4	237.0	247.4	259.5	266.4	264.7	263.0
77.5°	868.5	645.3	361.6	263.0	230.1	223.2	231.8	245.7	249.1	247.4	243.9
80°	735.3	553.6	320.1	237.0	211.1	205.9	214.5	224.9	228.4	223.2	221.5
82.5°	614.2	461.9	278.5	212.8	192.0	188.6	197.2	204.2	204.2	200.7	195.5
85°	496.5	389.3	243.9	188.6	173.0	171.3	178.2	181.7	179.9	174.7	169.6
87.5°	399.7	318.3	209.3	167.8	154.0	152.3	157.4	159.2	155.7	148.8	145.3
90°	323.5	261.2	179.9	148.8	136.7	136.7	138.4	138.4	133.2	124.6	121.1
92.5°	257.8	214.5	155.7	129.8	122.8	119.4	121.1	119.4	112.5	107.3	102.1
95°	207.6	176.5	134.9	115.9	109.0	105.5	107.3	103.8	95.2	88.2	84.8
97.5°	167.8	145.3	115.9	102.1	96.9	93.4	93.4	88.2	83.0	74.4	70.9
100°	134.9	119.4	100.3	90.0	84.8	83.0	81.3	77.9	70.9	62.3	60.6
102.5°	109.0	100.3	86.5	79.6	76.1	74.4	72.7	67.5	60.6	51.9	51.9
105°	90.0	84.8	76.1	70.9	67.5	65.7	64.0	58.8	51.9	45.0	45.0
107.5°	74.4	70.9	65.7	62.3	60.6	58.8	57.1	51.9	45.0	38.1	39.8
110°	64.0	60.6	57.1	55.4	55.4	53.6	50.2	46.7	39.8	34.6	34.6

REPORT NUMBER: P695313
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	53.6	51.9	50.2	50.2	48.4	46.7	45.0	39.8	34.6	31.1	31.1
115°	46.7	45.0	45.0	45.0	43.3	43.3	39.8	36.3	29.4	27.7	27.7
117.5°	39.8	39.8	39.8	39.8	39.8	38.1	36.3	31.1	26.0	24.2	24.2
120°	36.3	36.3	34.6	34.6	34.6	34.6	31.1	27.7	22.5	22.5	22.5
122.5°	31.1	31.1	31.1	31.1	31.1	29.4	27.7	24.2	20.8	20.8	20.8
125°	27.7	27.7	27.7	29.4	27.7	27.7	24.2	20.8	17.3	19.0	19.0
127.5°	26.0	26.0	26.0	24.2	24.2	24.2	20.8	17.3	15.6	17.3	17.3
130°	22.5	22.5	22.5	22.5	22.5	20.8	19.0	15.6	13.8	15.6	15.6
132.5°	20.8	20.8	20.8	19.0	19.0	17.3	15.6	13.8	12.1	13.8	13.8
135°	17.3	17.3	17.3	17.3	15.6	15.6	13.8	10.4	12.1	12.1	12.1
137.5°	15.6	15.6	15.6	13.8	13.8	12.1	10.4	8.7	10.4	10.4	10.4
140°	13.8	13.8	13.8	12.1	10.4	10.4	8.7	8.7	8.7	10.4	10.4
142.5°	10.4	10.4	10.4	10.4	8.7	6.9	6.9	6.9	8.7	8.7	8.7
145°	8.7	8.7	8.7	6.9	6.9	5.2	5.2	5.2	6.9	6.9	6.9
147.5°	6.9	6.9	6.9	5.2	5.2	3.5	3.5	5.2	6.9	6.9	6.9
150°	5.2	5.2	5.2	3.5	3.5	1.7	3.5	3.5	5.2	5.2	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)