

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: P695848

Luminaire Tested: **LXF.LXT-PA16-727-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 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: 5613 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

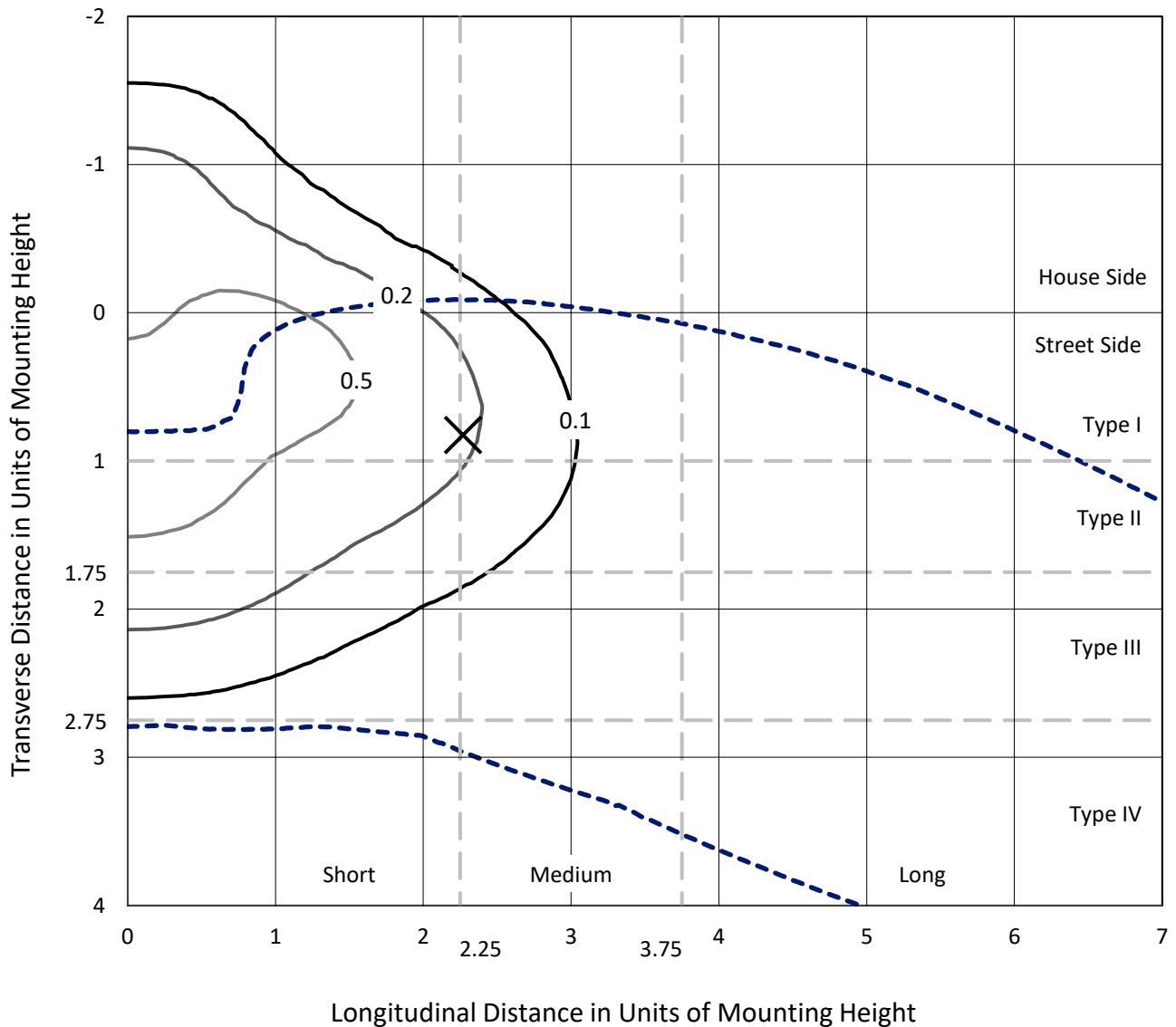
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

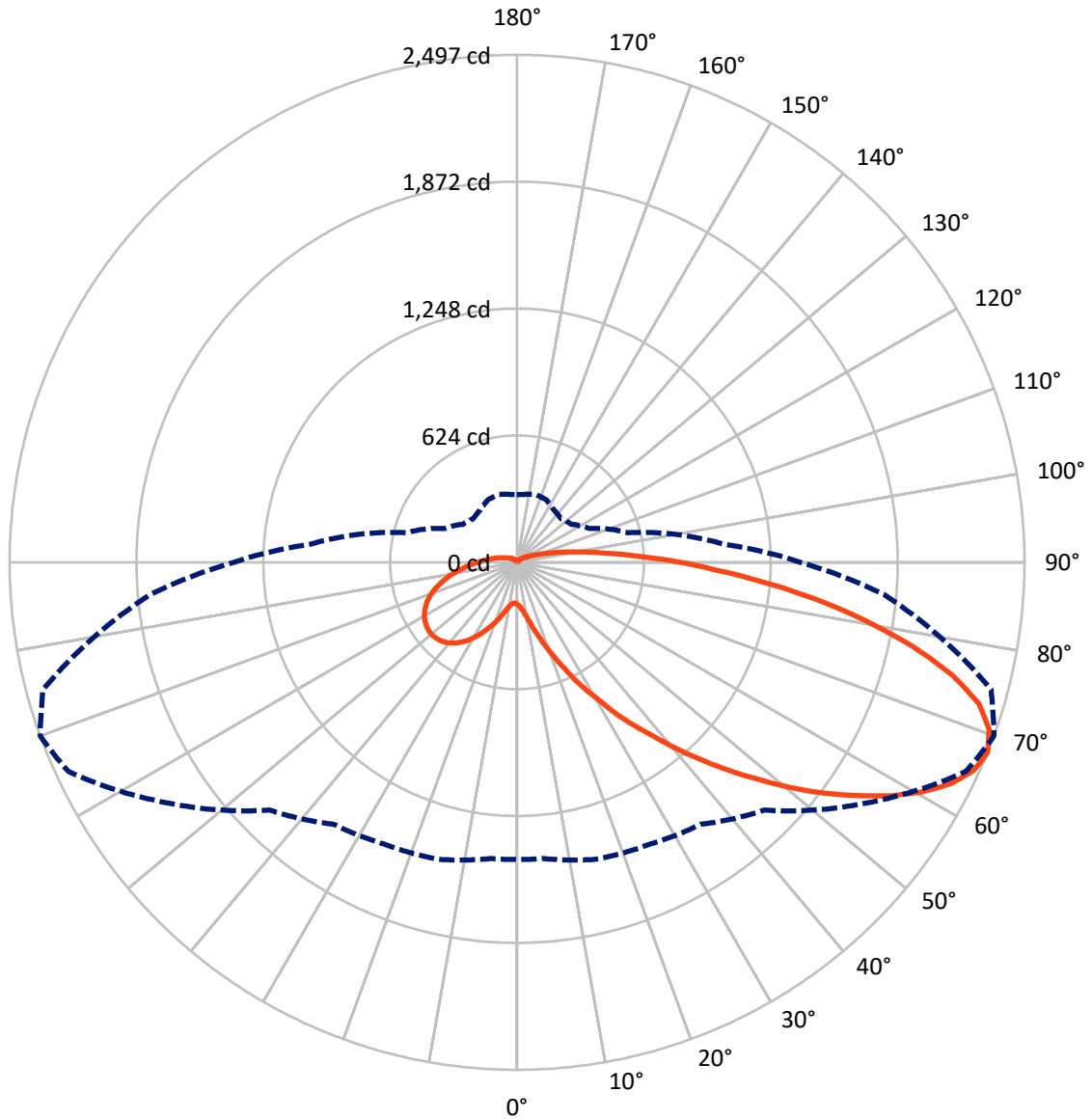
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695848
CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

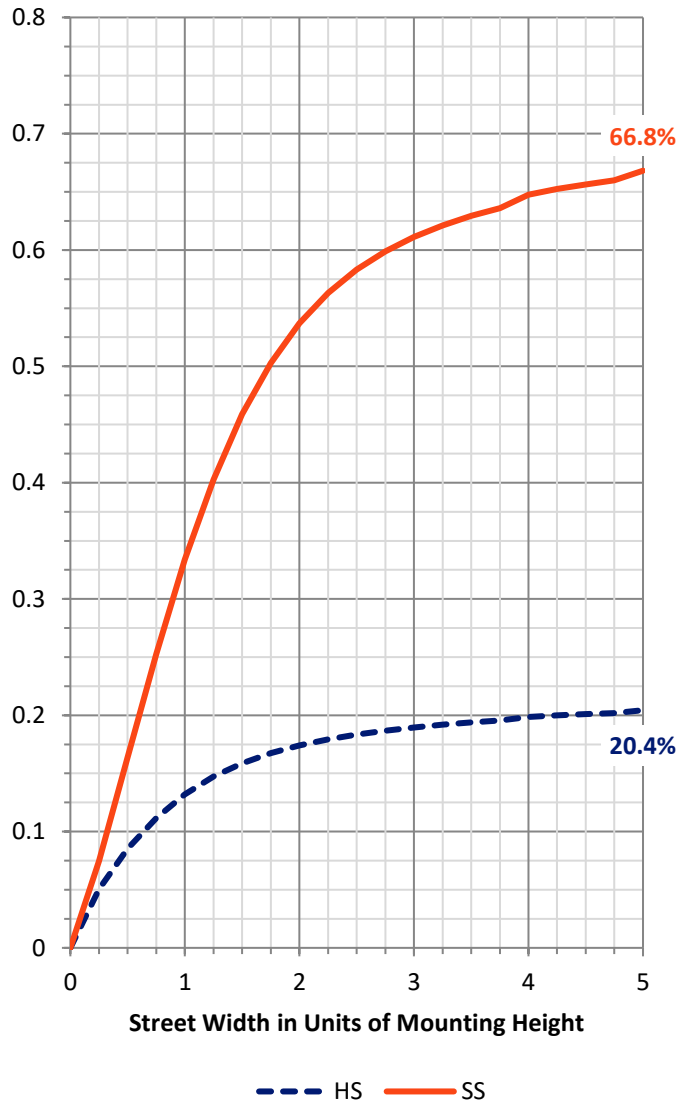
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1210.0	164.7	1374.8
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3929.8	308.4	4238.2
	% Fixture	70.0	5.5	75.5
Total	Lumens	5139.8	473.2	5613.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.6	0.4
10°-20°	88.8	1.6
20°-30°	223.9	4.0
30°-40°	438.6	7.8
40°-50°	714.1	12.7
50°-60°	1000.5	17.8
60°-70°	1147.7	20.4
70°-80°	955.2	17.0
80°-90°	549.3	9.8
90°-100°	252.0	4.5
100°-110°	115.4	2.1
110°-120°	56.7	1.0
120°-130°	29.3	0.5
130°-140°	14.3	0.3
140°-150°	5.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5139.8	91.6
0°-180°	5613.0	100.0

Coefficient of Utilization

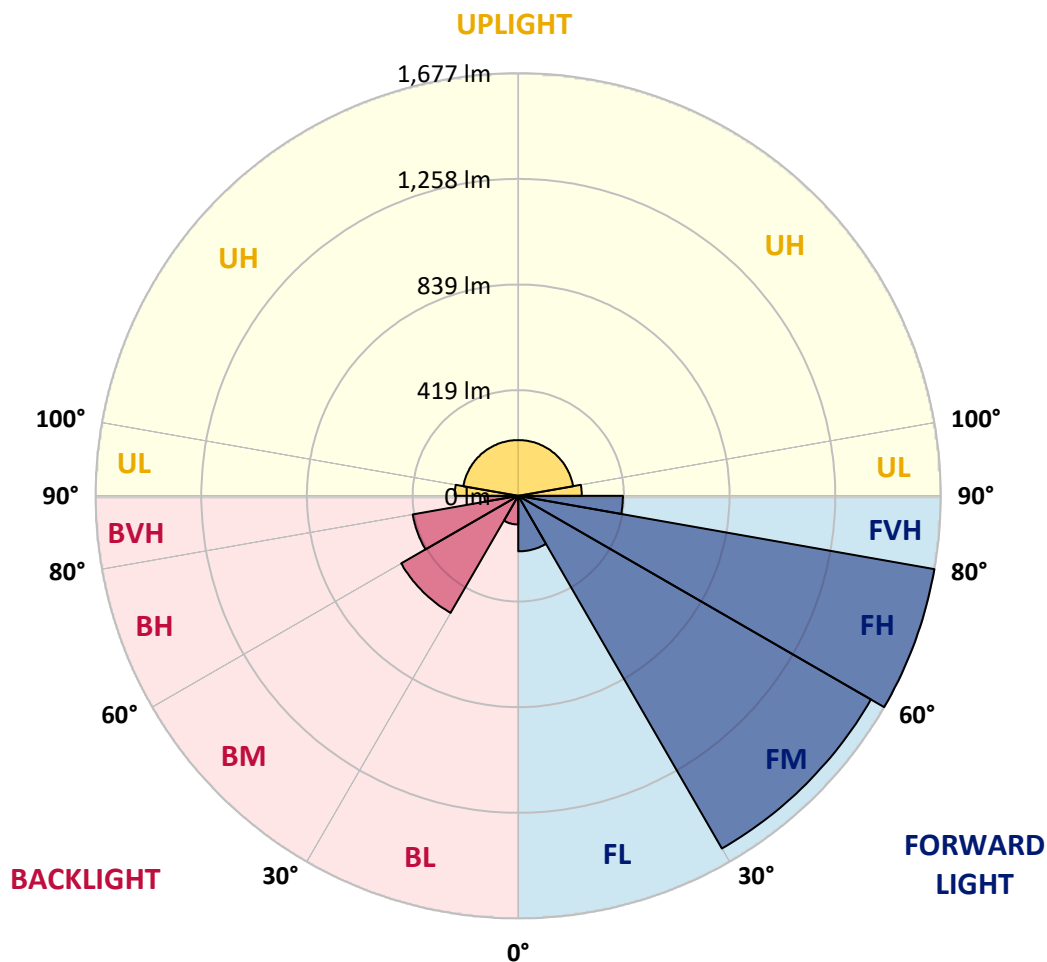


REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	220.4	3.9			
FM (30°-60°)	1616.6	28.8			
FH (60°-80°)	1677.5	29.9			G1/1800
FVH (80°-90°)	415.3	7.4			G3/500
BL (0°-30°)	113.9	2.0	B1/500		
BM (30°-60°)	536.6	9.6	B1/1000		
BH (60°-80°)	425.5	7.6	B1/500		G1/500
BVH (80°-90°)	134.0	2.4			G2/225
UL (90°-100°)	252.0	4.5		U3/500	
UH (100°-180°)	221.2	3.9		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4
2.5°	226.0	226.0	226.0	223.8	223.8	219.5	219.5	215.1	215.1	212.9	208.6
5°	254.2	254.2	252.0	252.0	247.7	243.4	239.0	232.5	228.1	226.0	219.5
7.5°	286.8	286.8	284.6	280.3	278.1	271.6	262.9	254.2	249.9	245.5	234.7
10°	325.9	325.9	321.6	319.4	315.1	306.4	297.7	284.6	278.1	271.6	256.4
12.5°	371.6	367.2	367.2	360.7	354.2	347.6	336.8	321.6	315.1	306.4	286.8
15°	419.4	419.4	419.4	412.8	404.1	393.3	384.6	369.4	365.0	352.0	330.3
17.5°	475.8	480.2	473.7	465.0	460.6	449.8	438.9	428.0	417.2	404.1	375.9
20°	545.4	543.2	536.7	528.0	521.5	510.6	504.1	484.5	475.8	462.8	421.5
22.5°	612.7	614.9	608.4	595.3	586.7	580.1	569.3	554.1	541.0	525.8	480.2
25°	701.8	699.6	684.4	664.9	656.2	647.5	641.0	625.8	617.1	604.0	545.4
27.5°	790.9	782.2	771.3	754.0	732.2	717.0	712.7	706.2	699.6	677.9	612.7
30°	884.3	875.6	862.6	834.4	803.9	786.6	786.6	795.2	780.0	762.7	688.8
32.5°	984.3	973.4	956.0	921.3	880.0	860.4	869.1	884.3	882.2	856.1	764.8
35°	1084.2	1082.1	1056.0	1012.5	960.4	936.5	949.5	979.9	979.9	960.4	847.4
37.5°	1182.0	1184.2	1160.3	1106.0	1038.6	1012.5	1032.1	1082.1	1082.1	1066.8	927.8
40°	1305.9	1301.5	1258.1	1195.0	1121.2	1088.6	1127.7	1192.9	1203.7	1175.5	1016.9
42.5°	1412.3	1403.6	1368.9	1290.6	1201.6	1162.5	1216.8	1305.9	1327.6	1295.0	1108.1
45°	1521.0	1510.1	1468.8	1381.9	1282.0	1236.3	1312.4	1431.9	1460.1	1429.7	1203.7
47.5°	1623.1	1612.2	1575.3	1471.0	1366.7	1325.4	1410.2	1560.1	1594.8	1568.8	1297.2
50°	1716.5	1714.3	1668.7	1560.1	1440.6	1401.5	1512.3	1694.8	1740.4	1701.3	1392.8
52.5°	1796.9	1788.2	1744.8	1640.5	1514.4	1484.0	1616.6	1836.0	1886.0	1846.9	1488.4
55°	1846.9	1842.5	1803.4	1701.3	1581.8	1560.1	1720.9	1964.2	2025.1	1990.3	1577.5
57.5°	1870.8	1864.3	1831.7	1740.4	1631.8	1629.6	1816.5	2096.8	2166.3	2120.7	1668.7
60°	1846.9	1842.5	1820.8	1751.3	1664.4	1683.9	1916.4	2218.4	2292.3	2242.3	1740.4
62.5°	1766.5	1766.5	1764.3	1723.0	1670.9	1729.6	1994.6	2322.7	2396.6	2335.8	1792.6
65°	1640.5	1647.0	1660.0	1651.3	1642.6	1744.8	2046.8	2401.0	2468.3	2396.6	1820.8
67.5°	1462.3	1462.3	1512.3	1531.8	1573.1	1723.0	2070.7	2435.7	2496.6	2414.0	1809.9
70°	1264.6	1264.6	1321.1	1377.6	1468.8	1666.5	2044.6	2416.2	2464.0	2372.7	1762.1
72.5°	1058.2	1060.3	1127.7	1205.9	1331.9	1568.8	1975.1	2331.4	2374.9	2266.2	1666.5
75°	856.1	873.5	930.0	1032.1	1177.7	1438.4	1844.7	2183.7	2209.7	2105.5	1531.8
77.5°	677.9	699.6	767.0	867.0	1019.0	1273.3	1668.7	1985.9	1990.3	1890.3	1368.9
80°	536.7	551.9	621.4	714.9	862.6	1106.0	1460.1	1740.4	1736.1	1638.3	1173.3
82.5°	423.7	434.6	488.9	580.1	721.4	947.3	1253.7	1460.1	1475.3	1379.7	984.3
85°	325.9	339.0	388.9	469.3	595.3	788.7	1036.4	1197.2	1203.7	1119.0	810.5
87.5°	249.9	262.9	308.5	384.6	491.1	647.5	845.2	971.2	960.4	893.0	641.0
90°	193.4	199.9	245.5	308.5	402.0	534.5	680.1	762.7	762.7	697.5	512.8
92.5°	154.3	156.4	197.7	254.2	332.4	434.6	547.5	599.7	584.5	547.5	404.1
95°	121.7	126.0	158.6	208.6	273.8	356.3	432.4	469.3	456.3	421.5	317.2
97.5°	97.8	102.1	130.4	173.8	228.1	291.2	347.6	365.0	358.5	334.6	252.0
100°	80.4	82.6	106.5	147.8	191.2	241.2	278.1	289.0	275.9	260.7	197.7
102.5°	67.4	69.5	91.3	123.9	163.0	197.7	226.0	230.3	219.5	202.1	158.6
105°	56.5	58.7	76.0	106.5	136.9	167.3	184.7	182.5	171.7	158.6	128.2
107.5°	50.0	50.0	65.2	91.3	119.5	139.1	152.1	147.8	136.9	123.9	104.3
110°	43.5	43.5	54.3	78.2	102.1	119.5	126.0	119.5	108.6	99.9	84.7

REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	39.1	39.1	47.8	67.4	86.9	102.1	104.3	95.6	89.1	82.6	69.5
115°	34.8	36.9	41.3	56.5	73.9	86.9	86.9	80.4	73.9	67.4	60.8
117.5°	32.6	32.6	36.9	50.0	65.2	73.9	73.9	67.4	60.8	56.5	52.1
120°	30.4	30.4	34.8	43.5	56.5	63.0	63.0	56.5	52.1	47.8	45.6
122.5°	28.2	28.2	30.4	36.9	47.8	54.3	54.3	47.8	43.5	41.3	39.1
125°	26.1	26.1	28.2	32.6	41.3	45.6	45.6	39.1	36.9	34.8	34.8
127.5°	23.9	23.9	26.1	28.2	34.8	39.1	36.9	32.6	30.4	30.4	30.4
130°	21.7	21.7	23.9	26.1	30.4	32.6	30.4	28.2	26.1	26.1	26.1
132.5°	21.7	21.7	21.7	21.7	23.9	26.1	26.1	23.9	21.7	23.9	23.9
135°	19.6	19.6	19.6	19.6	19.6	21.7	19.6	19.6	19.6	19.6	19.6
137.5°	17.4	17.4	17.4	17.4	17.4	17.4	15.2	15.2	15.2	17.4	17.4
140°	15.2	15.2	15.2	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.2
142.5°	13.0	13.0	13.0	10.9	10.9	8.7	8.7	8.7	10.9	10.9	13.0
145°	10.9	10.9	10.9	8.7	6.5	6.5	6.5	6.5	8.7	8.7	8.7
147.5°	8.7	8.7	8.7	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	6.5	6.5	6.5	4.3	4.3	2.2	2.2	4.3	4.3	4.3	4.3
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: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4	206.4
2.5°	208.6	206.4	204.2	199.9	197.7	197.7	197.7	195.6	195.6	193.4	193.4
5°	215.1	212.9	204.2	197.7	193.4	189.0	184.7	182.5	180.3	178.2	178.2
7.5°	228.1	223.8	212.9	202.1	193.4	184.7	178.2	173.8	171.7	169.5	169.5
10°	247.7	241.2	223.8	208.6	195.6	184.7	176.0	171.7	167.3	165.1	165.1
12.5°	275.9	267.3	243.4	221.6	204.2	189.0	180.3	173.8	169.5	167.3	167.3
15°	315.1	299.8	269.4	241.2	217.3	197.7	186.9	182.5	180.3	180.3	180.3
17.5°	356.3	334.6	299.8	262.9	234.7	212.9	202.1	197.7	195.6	195.6	195.6
20°	402.0	378.1	330.3	286.8	252.0	232.5	219.5	215.1	212.9	212.9	212.9
22.5°	451.9	425.9	362.9	308.5	273.8	252.0	239.0	232.5	234.7	234.7	234.7
25°	508.4	471.5	397.6	334.6	293.3	271.6	258.6	252.0	256.4	258.6	258.6
27.5°	571.4	521.5	430.2	358.5	315.1	289.0	278.1	273.8	280.3	282.5	284.6
30°	632.3	575.8	462.8	384.6	332.4	306.4	295.5	297.7	302.0	306.4	310.7
32.5°	699.6	625.8	497.6	406.3	349.8	319.4	312.9	319.4	328.1	332.4	334.6
35°	764.8	677.9	523.6	425.9	362.9	332.4	328.1	339.0	349.8	358.5	358.5
37.5°	830.0	725.7	551.9	441.1	373.7	341.1	341.1	356.3	369.4	380.2	380.2
40°	897.4	777.9	575.8	454.1	382.4	349.8	352.0	371.6	388.9	395.5	397.6
42.5°	966.9	821.3	595.3	462.8	386.8	356.3	360.7	384.6	402.0	408.5	410.7
45°	1034.3	867.0	610.6	467.2	391.1	358.5	365.0	393.3	410.7	417.2	417.2
47.5°	1097.3	906.1	621.4	469.3	391.1	358.5	369.4	397.6	417.2	419.4	419.4
50°	1164.6	945.2	630.1	469.3	388.9	358.5	369.4	399.8	417.2	417.2	417.2
52.5°	1229.8	979.9	634.5	465.0	384.6	356.3	367.2	397.6	415.0	410.7	410.7
55°	1290.6	1008.2	632.3	458.5	378.1	349.8	362.9	393.3	408.5	402.0	402.0
57.5°	1340.6	1032.1	627.9	449.8	371.6	343.3	356.3	386.8	399.8	391.1	388.9
60°	1384.1	1047.3	619.3	438.9	360.7	334.6	349.8	378.1	388.9	378.1	375.9
62.5°	1408.0	1053.8	606.2	423.7	352.0	325.9	339.0	367.2	375.9	362.9	362.9
65°	1416.7	1045.1	586.7	408.5	339.0	317.2	328.1	354.2	360.7	349.8	347.6
67.5°	1394.9	1021.2	562.8	393.3	325.9	304.2	315.1	339.0	345.5	334.6	332.4
70°	1349.3	975.6	532.3	371.6	310.7	291.2	299.8	319.4	328.1	319.4	317.2
72.5°	1264.6	919.1	497.6	349.8	293.3	275.9	284.6	302.0	310.7	302.0	299.8
75°	1164.6	845.2	458.5	325.9	275.9	260.7	267.3	280.3	289.0	284.6	280.3
77.5°	1032.1	756.1	417.2	302.0	258.6	243.4	247.7	260.7	267.3	262.9	262.9
80°	893.0	658.4	375.9	275.9	241.2	228.1	228.1	239.0	245.5	243.4	239.0
82.5°	758.3	562.8	332.4	249.9	219.5	208.6	210.8	215.1	223.8	219.5	217.3
85°	623.6	478.0	291.2	226.0	199.9	191.2	191.2	193.4	199.9	197.7	195.6
87.5°	510.6	393.3	254.2	199.9	180.3	173.8	169.5	173.8	173.8	173.8	169.5
90°	415.0	325.9	219.5	178.2	165.1	156.4	152.1	152.1	152.1	149.9	147.8
92.5°	330.3	269.4	191.2	158.6	147.8	141.2	136.9	134.7	132.5	128.2	128.2
95°	271.6	221.6	165.1	139.1	132.5	126.0	121.7	119.5	115.2	110.8	108.6
97.5°	215.1	184.7	141.2	123.9	117.3	113.0	108.6	104.3	97.8	93.4	91.3
100°	171.7	149.9	121.7	108.6	104.3	99.9	95.6	91.3	84.7	78.2	76.0
102.5°	141.2	126.0	104.3	97.8	93.4	89.1	86.9	80.4	71.7	65.2	65.2
105°	115.2	104.3	91.3	84.7	82.6	80.4	76.0	69.5	60.8	54.3	54.3
107.5°	95.6	89.1	78.2	76.0	73.9	71.7	67.4	60.8	52.1	45.6	45.6
110°	80.4	73.9	67.4	65.2	65.2	63.0	60.8	52.1	45.6	39.1	39.1

REPORT NUMBER: P695848
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	67.4	63.0	60.8	58.7	58.7	56.5	54.3	45.6	39.1	34.8	34.8
115°	56.5	54.3	52.1	52.1	52.1	50.0	47.8	41.3	32.6	30.4	30.4
117.5°	50.0	47.8	45.6	45.6	45.6	45.6	41.3	34.8	28.2	26.1	26.1
120°	43.5	43.5	41.3	41.3	41.3	39.1	36.9	30.4	23.9	23.9	23.9
122.5°	39.1	36.9	36.9	36.9	36.9	34.8	30.4	26.1	21.7	21.7	21.7
125°	34.8	32.6	32.6	32.6	32.6	30.4	26.1	21.7	19.6	19.6	19.6
127.5°	30.4	30.4	28.2	28.2	28.2	26.1	23.9	19.6	17.4	17.4	17.4
130°	26.1	26.1	26.1	26.1	23.9	21.7	19.6	17.4	15.2	15.2	15.2
132.5°	23.9	23.9	21.7	21.7	21.7	19.6	17.4	15.2	13.0	15.2	15.2
135°	19.6	19.6	19.6	19.6	17.4	15.2	15.2	13.0	13.0	13.0	13.0
137.5°	17.4	17.4	17.4	15.2	15.2	13.0	13.0	10.9	10.9	10.9	13.0
140°	15.2	15.2	13.0	13.0	10.9	10.9	10.9	8.7	10.9	10.9	10.9
142.5°	13.0	13.0	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	8.7
145°	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	8.7	8.7	8.7
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5
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)