

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: P695849

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5728 lumens
Efficiency: N/A
Efficacy: 79.6 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

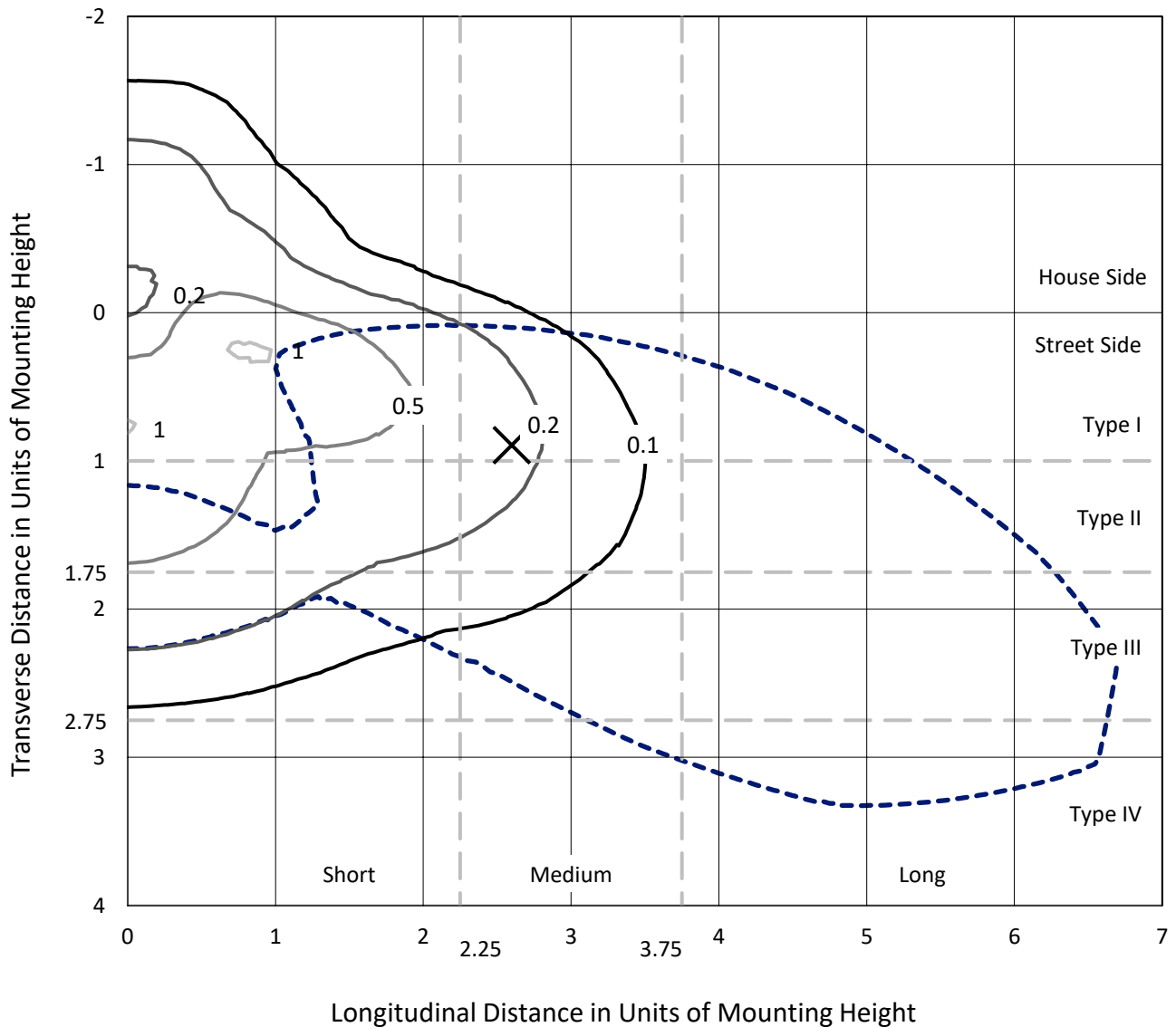
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

Iso-Footcandle Lines of Horizontal Illumination

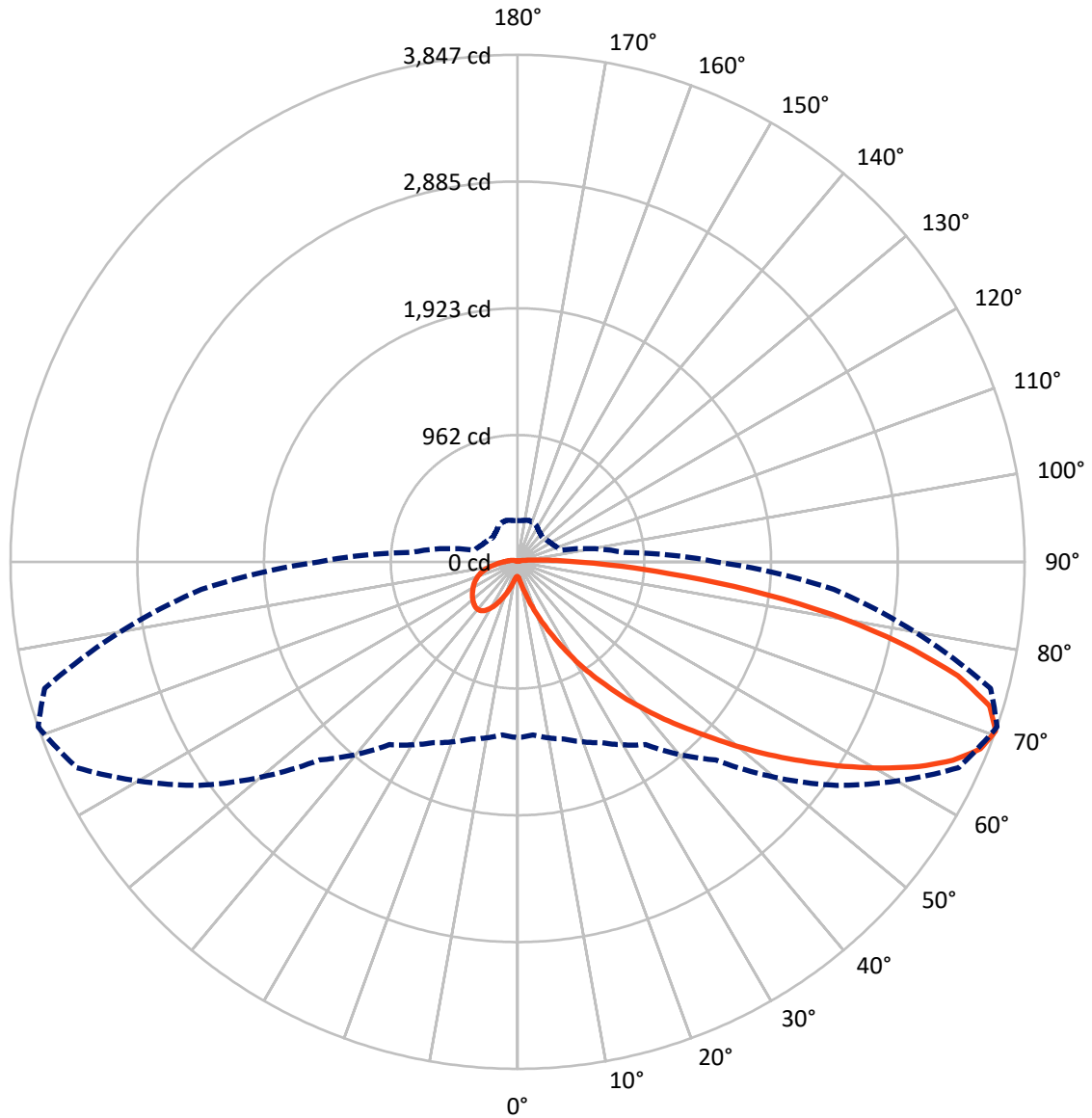
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695849
CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

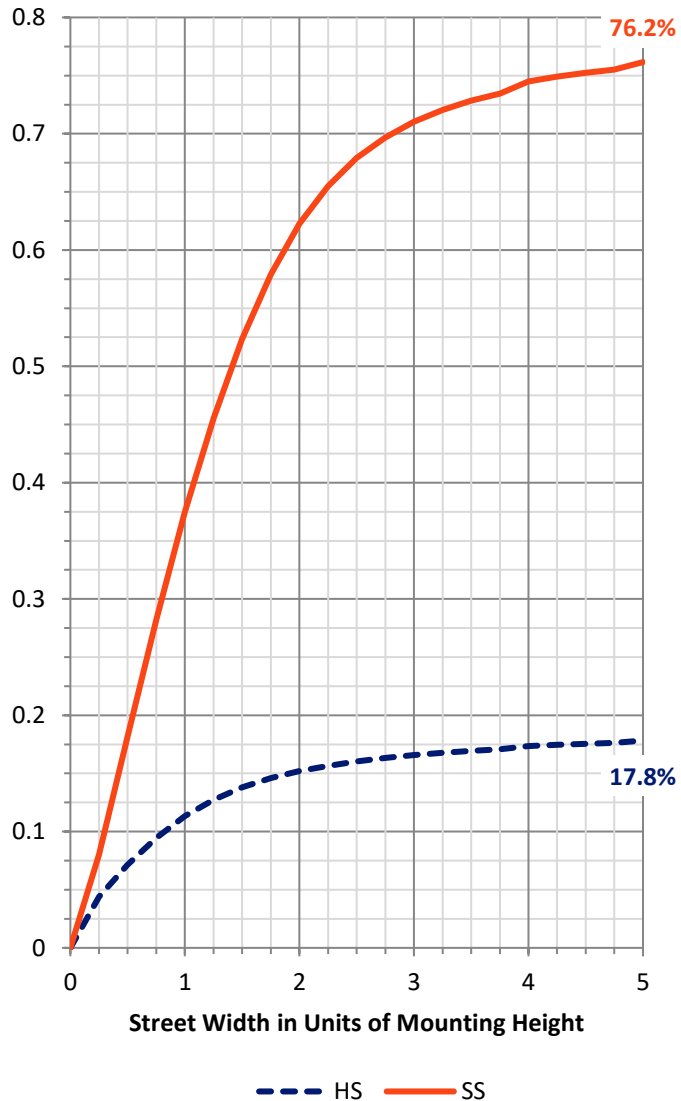
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1070.1	91.9	1162.0
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	4465.9	100.1	4566.0
	% Fixture	78.0	1.7	79.7
Total	Lumens	5536.0	192.0	5728.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	0.2
10°-20°	66.9	1.2
20°-30°	205.9	3.6
30°-40°	447.0	7.8
40°-50°	746.3	13.0
50°-60°	1105.7	19.3
60°-70°	1391.5	24.3
70°-80°	1118.0	19.5
80°-90°	441.8	7.7
90°-100°	106.5	1.9
100°-110°	41.9	0.7
110°-120°	20.9	0.4
120°-130°	11.8	0.2
130°-140°	7.1	0.1
140°-150°	3.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5536.0	96.6
0°-180°	5728.0	100.0

Coefficient of Utilization

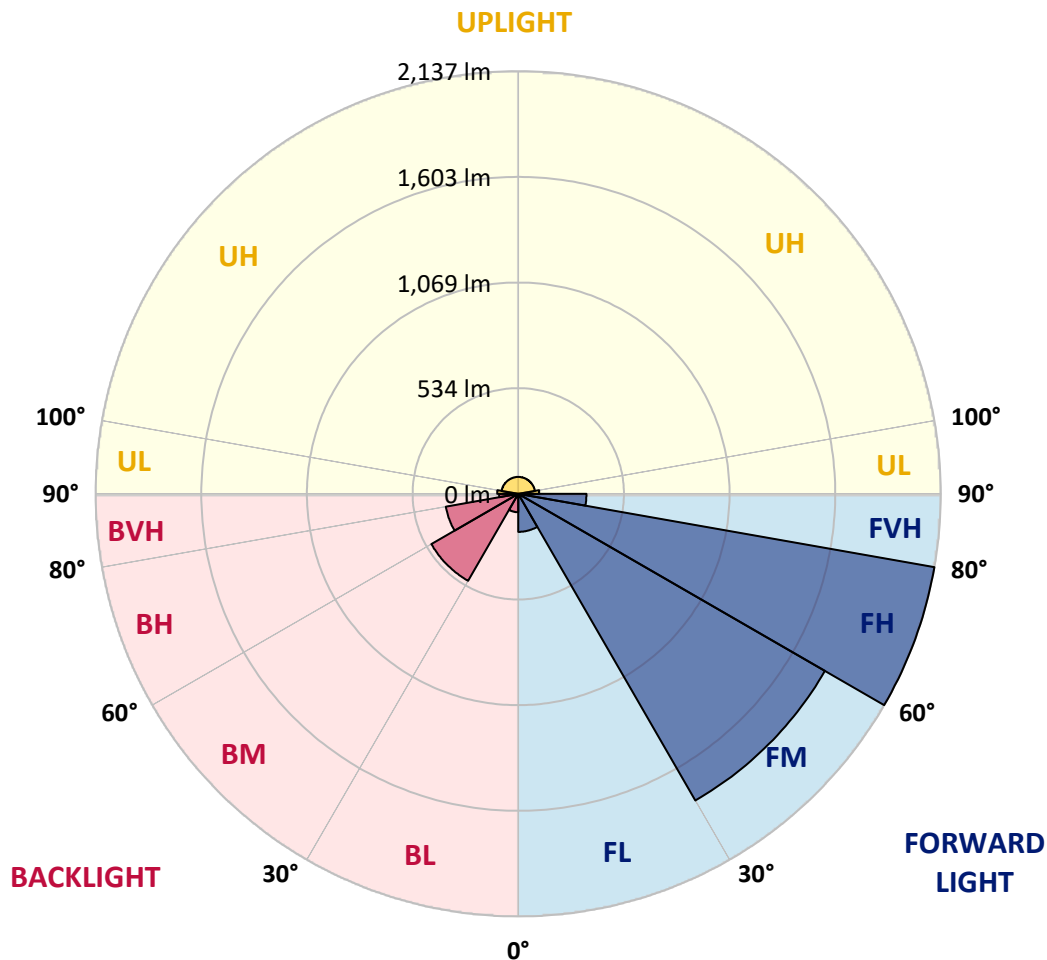


REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.5	3.4			
FM (30°-60°)	1791.1	31.3			
FH (60°-80°)	2137.4	37.3			G2/5000
FVH (80°-90°)	344.9	6.0			G3/500
BL (0°-30°)	93.2	1.6	B0/110		
BM (30°-60°)	507.9	8.9	B1/1000		
BH (60°-80°)	372.0	6.5	B1/500		G1/500
BVH (80°-90°)	96.9	1.7			G1/100
UL (90°-100°)	106.5	1.9		U3/500	
UH (100°-180°)	85.5	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	126.1	126.1	126.1	126.1	126.1	123.9	121.7	121.7	119.5	119.5	117.4
5°	150.0	150.0	147.8	147.8	145.6	143.4	141.3	136.9	134.7	132.6	128.2
7.5°	178.2	176.0	173.9	173.9	173.9	169.5	165.2	160.8	156.5	152.1	145.6
10°	213.0	210.8	210.8	208.6	206.5	204.3	199.9	193.4	186.9	184.7	173.9
12.5°	254.3	252.1	254.3	252.1	245.6	245.6	243.4	234.7	230.4	226.0	210.8
15°	306.4	306.4	306.4	299.9	297.7	293.4	295.6	289.1	284.7	280.4	260.8
17.5°	371.6	371.6	367.3	360.8	352.1	352.1	354.3	354.3	356.4	343.4	317.3
20°	445.5	452.1	439.0	426.0	415.1	417.3	421.6	434.7	434.7	421.6	391.2
22.5°	541.2	534.6	528.1	502.0	484.7	480.3	497.7	519.4	521.6	519.4	471.6
25°	641.1	639.0	617.2	589.0	558.6	554.2	582.5	617.2	625.9	621.6	565.1
27.5°	747.6	747.6	725.9	675.9	632.4	625.9	660.7	721.6	741.1	743.3	665.0
30°	886.7	873.7	843.3	775.9	719.4	699.8	749.8	836.7	871.5	873.7	773.7
32.5°	1006.3	1006.3	962.8	886.7	804.1	771.5	832.4	960.6	1006.3	1001.9	880.2
35°	1141.0	1130.1	1082.3	988.9	886.7	845.4	919.3	1084.5	1143.2	1143.2	982.4
37.5°	1264.9	1251.8	1208.4	1097.5	971.5	917.2	1010.6	1208.4	1301.8	1301.8	1073.6
40°	1386.6	1384.4	1330.1	1204.0	1060.6	986.7	1099.7	1349.6	1460.5	1451.8	1169.3
42.5°	1523.5	1514.8	1449.6	1314.9	1147.5	1062.8	1193.2	1497.4	1632.2	1619.1	1260.5
45°	1669.1	1649.6	1575.7	1430.1	1227.9	1141.0	1291.0	1643.1	1806.1	1810.4	1362.7
47.5°	1801.7	1797.4	1721.3	1549.6	1332.3	1223.6	1397.5	1825.6	2001.7	1990.8	1458.3
50°	1953.8	1945.1	1853.9	1667.0	1427.9	1319.2	1517.0	2006.0	2221.2	2210.3	1584.4
52.5°	2103.8	2086.4	1990.8	1790.8	1538.7	1423.5	1651.7	2203.8	2447.2	2423.3	1710.4
55°	2232.0	2225.5	2103.8	1914.7	1660.4	1534.4	1812.6	2421.1	2681.9	2671.0	1847.3
57.5°	2336.3	2323.3	2210.3	2023.4	1771.3	1684.3	1999.5	2638.4	2927.5	2901.4	1993.0
60°	2368.9	2355.9	2242.9	2097.3	1875.6	1838.7	2210.3	2881.9	3177.4	3142.7	2138.6
62.5°	2299.4	2286.4	2197.3	2103.8	1951.7	1986.4	2442.8	3140.5	3420.8	3386.1	2279.8
65°	2073.4	2066.9	2032.1	2014.7	1964.7	2101.6	2690.6	3368.7	3629.5	3570.8	2395.0
67.5°	1734.3	1743.0	1747.4	1812.6	1884.3	2166.8	2864.5	3577.3	3788.1	3705.6	2434.1
70°	1334.4	1319.2	1393.1	1514.8	1693.0	2125.5	2957.9	3692.5	3846.8	3714.3	2408.1
72.5°	949.8	951.9	1034.5	1195.3	1449.6	1990.8	2940.5	3651.2	3744.7	3590.4	2284.2
75°	656.4	652.0	715.0	873.7	1156.2	1738.7	2729.7	3457.8	3449.1	3294.8	2019.0
77.5°	441.2	454.2	499.9	619.4	878.0	1449.6	2403.7	3003.6	2973.1	2779.7	1701.7
80°	310.8	306.4	354.3	443.4	612.9	1125.8	1949.5	2453.7	2416.8	2184.2	1327.9
82.5°	208.6	219.5	249.9	306.4	439.0	830.2	1477.9	1816.9	1775.6	1586.5	930.2
85°	136.9	141.3	169.5	215.2	304.3	571.6	1010.6	1225.8	1151.9	1034.5	608.5
87.5°	86.9	91.3	113.0	147.8	210.8	384.7	671.6	756.3	699.8	652.0	369.5
90°	52.2	56.5	73.9	102.1	145.6	258.6	406.4	439.0	391.2	356.4	223.9
92.5°	36.9	39.1	52.2	73.9	106.5	173.9	252.1	252.1	230.4	197.8	141.3
95°	26.1	28.3	39.1	56.5	80.4	119.5	158.7	150.0	132.6	123.9	95.6
97.5°	21.7	21.7	32.6	45.6	65.2	91.3	104.3	95.6	89.1	82.6	71.7
100°	17.4	19.6	28.3	39.1	54.3	69.5	76.1	69.5	63.0	60.9	54.3
102.5°	15.2	17.4	23.9	34.8	45.6	56.5	58.7	52.2	50.0	45.6	41.3
105°	13.0	15.2	19.6	30.4	39.1	47.8	47.8	43.5	39.1	36.9	32.6
107.5°	13.0	13.0	17.4	26.1	34.8	39.1	41.3	34.8	30.4	28.3	26.1
110°	10.9	10.9	15.2	21.7	30.4	34.8	34.8	28.3	23.9	21.7	19.6

REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	10.9	10.9	15.2	19.6	26.1	30.4	28.3	23.9	19.6	17.4	17.4
115°	10.9	10.9	13.0	17.4	23.9	26.1	23.9	19.6	17.4	15.2	15.2
117.5°	8.7	10.9	13.0	17.4	21.7	23.9	21.7	17.4	15.2	13.0	13.0
120°	8.7	8.7	10.9	15.2	17.4	19.6	19.6	15.2	13.0	10.9	13.0
122.5°	8.7	8.7	10.9	13.0	17.4	17.4	17.4	13.0	10.9	10.9	10.9
125°	8.7	8.7	10.9	13.0	15.2	15.2	15.2	10.9	10.9	8.7	10.9
127.5°	8.7	8.7	8.7	10.9	13.0	15.2	13.0	10.9	8.7	8.7	10.9
130°	8.7	8.7	8.7	10.9	13.0	13.0	10.9	8.7	8.7	8.7	8.7
132.5°	8.7	8.7	8.7	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7
135°	8.7	8.7	8.7	8.7	10.9	10.9	8.7	8.7	6.5	6.5	8.7
137.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7
140°	8.7	6.5	6.5	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.3	6.5	6.5	6.5
145°	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	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: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	115.2	115.2	113.0	110.8	108.7	106.5	106.5	106.5	106.5	104.3	104.3
5°	123.9	121.7	117.4	113.0	108.7	104.3	102.1	100.0	97.8	97.8	95.6
7.5°	141.3	136.9	128.2	119.5	113.0	106.5	102.1	97.8	95.6	93.5	93.5
10°	167.3	160.8	145.6	132.6	121.7	110.8	104.3	100.0	97.8	95.6	95.6
12.5°	199.9	191.3	169.5	150.0	132.6	119.5	113.0	106.5	104.3	102.1	102.1
15°	247.8	230.4	202.1	173.9	150.0	132.6	123.9	121.7	119.5	119.5	119.5
17.5°	299.9	280.4	236.9	197.8	167.3	150.0	141.3	139.1	141.3	141.3	141.3
20°	362.9	334.7	276.0	226.0	189.1	171.7	165.2	163.0	167.3	169.5	171.7
22.5°	436.8	393.4	315.1	254.3	215.2	195.6	186.9	189.1	195.6	202.1	202.1
25°	519.4	465.1	358.6	282.5	241.2	219.5	213.0	221.7	230.4	239.1	241.2
27.5°	599.8	530.3	402.1	313.0	267.3	241.2	241.2	249.9	271.7	280.4	284.7
30°	684.6	591.2	436.8	343.4	293.4	265.1	267.3	286.9	310.8	323.8	328.2
32.5°	760.7	647.7	465.1	369.5	315.1	289.1	291.2	317.3	349.9	367.3	369.5
35°	836.7	689.0	489.0	393.4	334.7	306.4	315.1	349.9	384.7	404.2	406.4
37.5°	893.2	721.6	499.9	408.6	352.1	319.5	332.5	376.0	415.1	432.5	434.7
40°	945.4	741.1	504.2	419.5	362.9	332.5	347.7	397.7	436.8	454.2	454.2
42.5°	984.5	747.6	502.0	423.8	371.6	339.0	358.6	412.9	452.1	465.1	467.3
45°	1025.8	754.2	493.3	423.8	373.8	343.4	362.9	419.5	458.6	467.3	467.3
47.5°	1069.3	758.5	482.5	419.5	371.6	343.4	367.3	423.8	458.6	462.9	462.9
50°	1130.1	769.4	469.4	410.8	367.3	341.2	367.3	423.8	454.2	449.9	449.9
52.5°	1186.6	784.6	456.4	402.1	360.8	336.9	365.1	421.6	445.5	434.7	434.7
55°	1256.2	795.4	441.2	389.0	352.1	330.3	358.6	412.9	432.5	419.5	417.3
57.5°	1334.4	817.2	428.1	373.8	341.2	323.8	352.1	404.2	419.5	399.9	397.7
60°	1414.8	834.6	412.9	360.8	330.3	313.0	341.2	391.2	402.1	382.5	380.3
62.5°	1475.7	849.8	397.7	347.7	319.5	302.1	330.3	376.0	384.7	365.1	362.9
65°	1527.9	856.3	380.3	332.5	306.4	291.2	317.3	358.6	365.1	347.7	345.6
67.5°	1540.9	843.3	358.6	315.1	291.2	278.2	299.9	339.0	347.7	332.5	328.2
70°	1508.3	808.5	339.0	299.9	278.2	263.0	282.5	317.3	326.0	313.0	313.0
72.5°	1410.5	749.8	315.1	280.4	260.8	245.6	263.0	293.4	304.3	297.7	293.4
75°	1258.4	660.7	286.9	260.8	241.2	228.2	241.2	269.5	280.4	278.2	278.2
77.5°	1041.0	562.9	256.5	234.7	221.7	208.6	221.7	243.4	256.5	258.6	256.5
80°	802.0	445.5	221.7	208.6	199.9	189.1	199.9	219.5	230.4	234.7	232.5
82.5°	578.1	339.0	186.9	182.6	176.0	171.7	176.0	191.3	206.5	208.6	208.6
85°	399.9	245.6	156.5	156.5	152.1	150.0	154.3	165.2	176.0	180.4	180.4
87.5°	258.6	176.0	126.1	130.4	132.6	130.4	132.6	136.9	147.8	152.1	150.0
90°	169.5	126.1	104.3	108.7	113.0	113.0	110.8	113.0	123.9	126.1	126.1
92.5°	113.0	95.6	89.1	91.3	95.6	97.8	95.6	95.6	102.1	104.3	102.1
95°	84.8	78.2	76.1	78.2	82.6	82.6	82.6	80.4	84.8	86.9	84.8
97.5°	65.2	63.0	65.2	67.4	71.7	71.7	71.7	69.5	71.7	71.7	69.5
100°	52.2	52.2	56.5	58.7	60.9	60.9	60.9	60.9	60.9	56.5	56.5
102.5°	41.3	43.5	47.8	52.2	52.2	54.3	52.2	52.2	50.0	47.8	45.6
105°	34.8	34.8	41.3	43.5	45.6	45.6	45.6	43.5	41.3	36.9	36.9
107.5°	26.1	28.3	34.8	36.9	39.1	39.1	39.1	36.9	34.8	30.4	30.4
110°	21.7	23.9	28.3	32.6	34.8	34.8	34.8	32.6	28.3	23.9	23.9

REPORT NUMBER: P695849
 CATALOG NUMBER: LXF.LXT-PA16-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	23.9	28.3	28.3	30.4	30.4	28.3	23.9	19.6	21.7
115°	15.2	17.4	21.7	23.9	26.1	26.1	26.1	23.9	19.6	17.4	17.4
117.5°	15.2	15.2	19.6	21.7	21.7	23.9	21.7	19.6	17.4	15.2	15.2
120°	13.0	15.2	17.4	19.6	19.6	19.6	19.6	17.4	15.2	15.2	15.2
122.5°	13.0	13.0	15.2	17.4	17.4	17.4	17.4	15.2	13.0	13.0	13.0
125°	10.9	13.0	13.0	15.2	15.2	15.2	15.2	13.0	13.0	13.0	13.0
127.5°	10.9	10.9	13.0	13.0	13.0	13.0	13.0	13.0	10.9	10.9	10.9
130°	10.9	10.9	10.9	13.0	13.0	13.0	13.0	10.9	10.9	10.9	10.9
132.5°	8.7	8.7	10.9	10.9	10.9	10.9	10.9	10.9	8.7	10.9	10.9
135°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
137.5°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.7	8.7
142.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
145°	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	2.2	4.3	4.3	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

(END OF REPORT)