

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: P695844

Luminaire Tested: **LXF.LXT-PA16-727-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
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-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6454 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

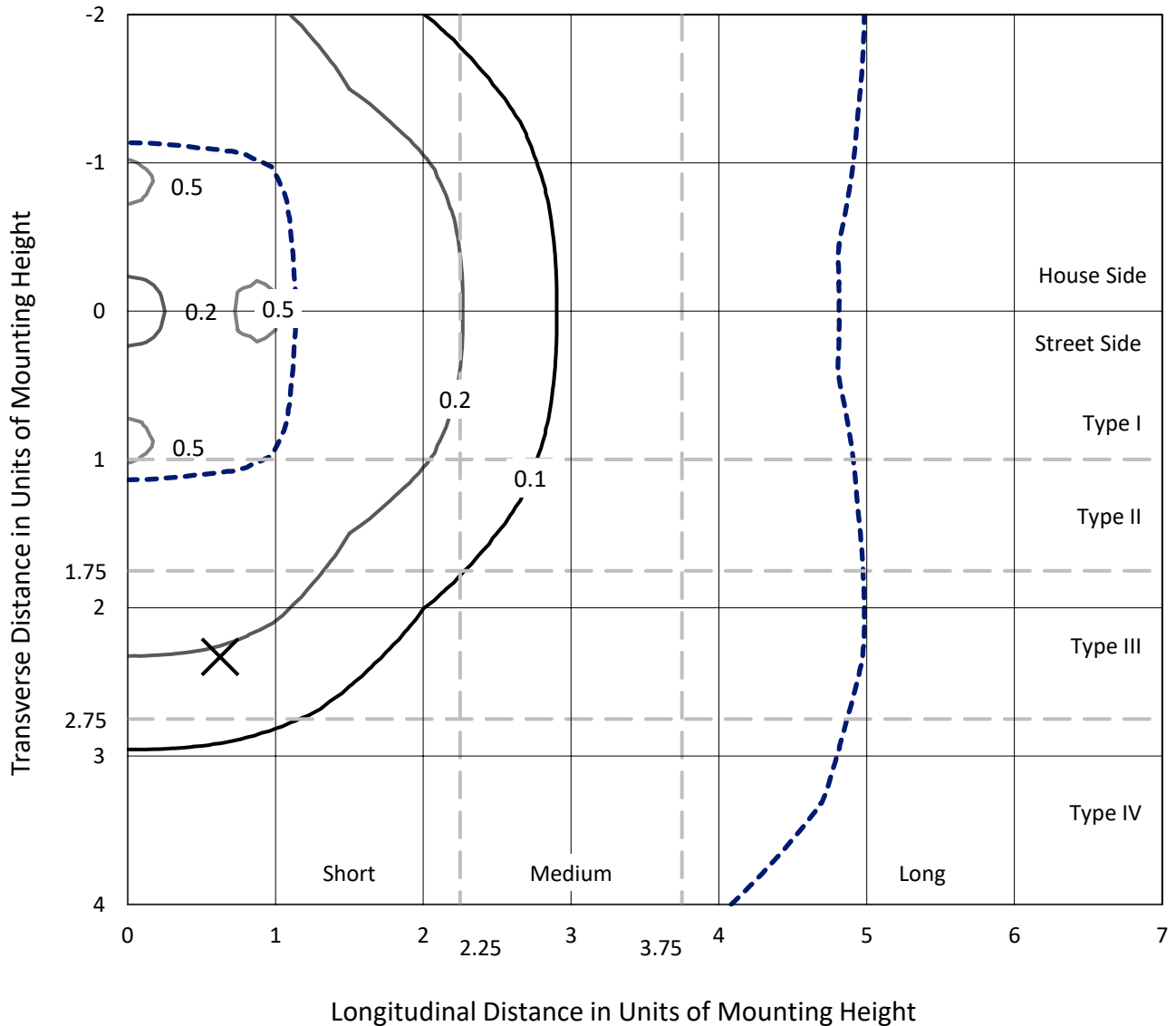
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695844
 CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

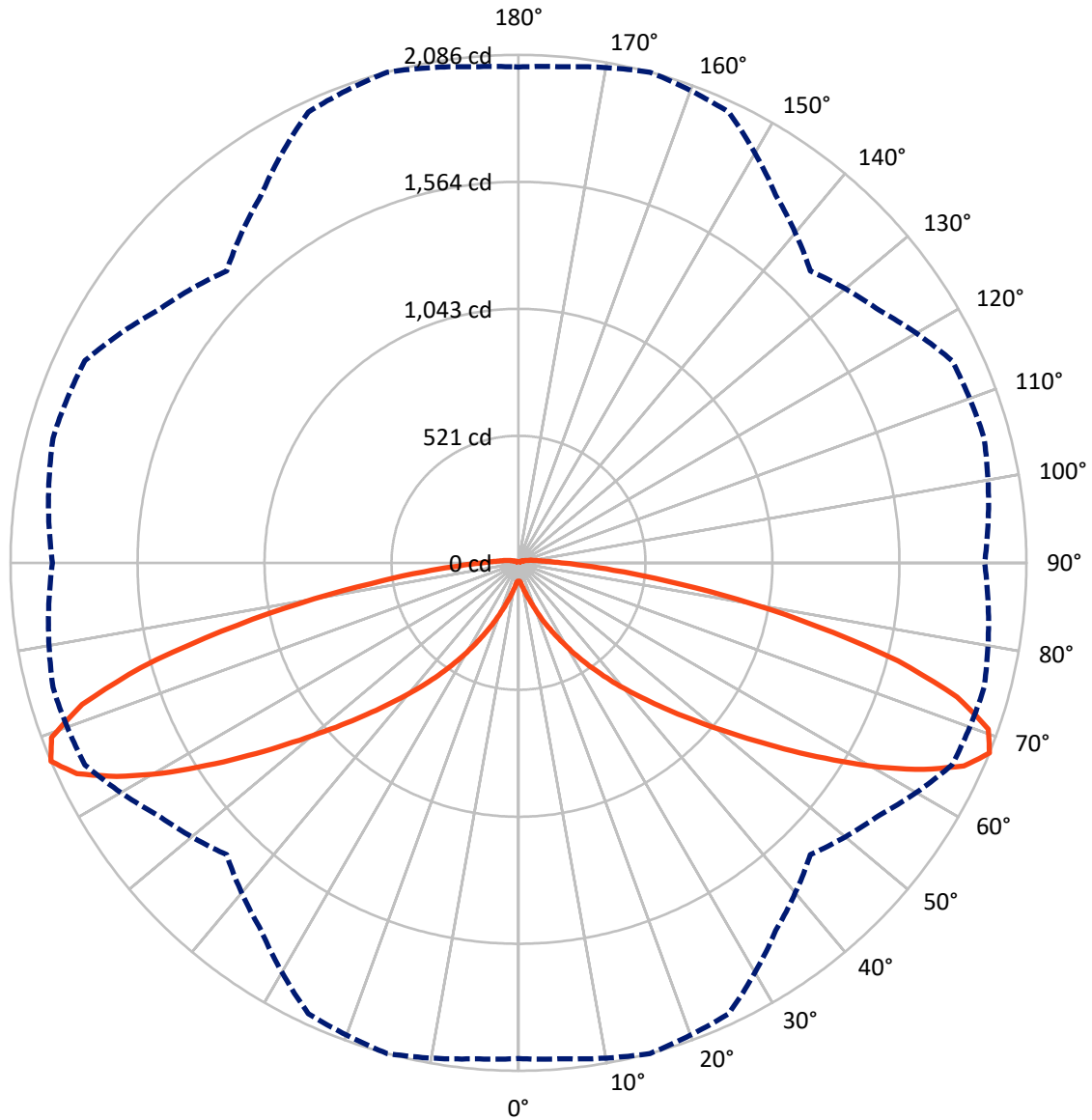
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

REPORT NUMBER: P695844
CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695844
 CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

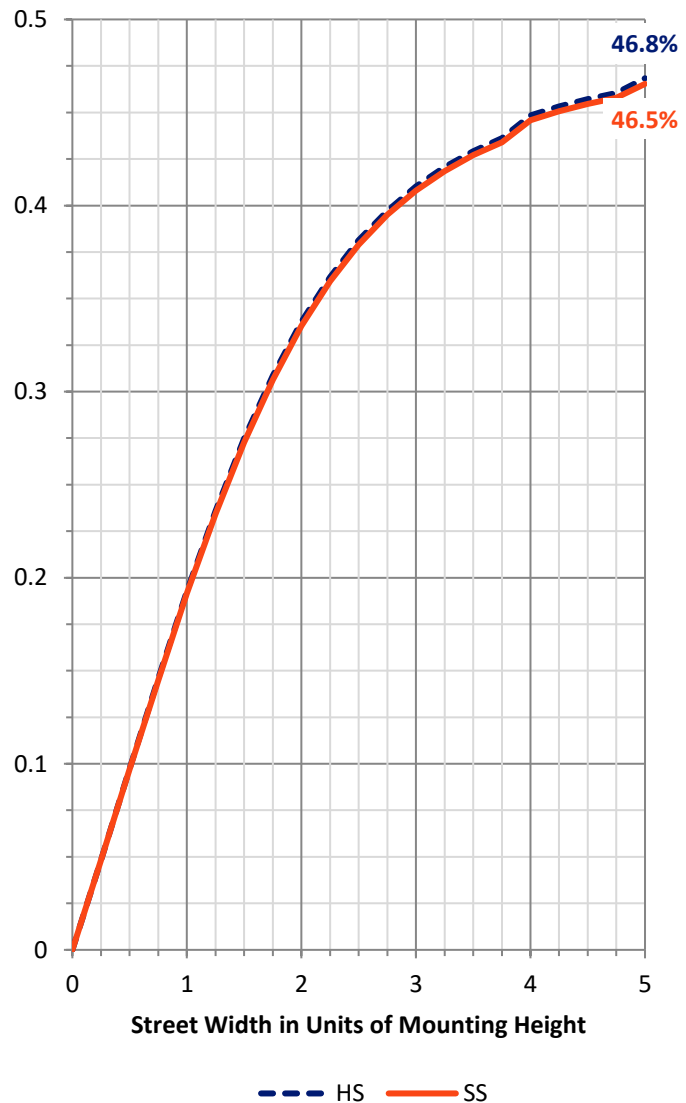
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3123.3	103.7	3227.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	3123.3	103.7	3227.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	6246.5	207.4	6454.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.1
10°-20°	43.8	0.7
20°-30°	137.4	2.1
30°-40°	323.1	5.0
40°-50°	630.0	9.8
50°-60°	1152.6	17.9
60°-70°	1811.2	28.1
70°-80°	1596.8	24.7
80°-90°	543.1	8.4
90°-100°	121.6	1.9
100°-110°	46.6	0.7
110°-120°	20.6	0.3
120°-130°	10.3	0.2
130°-140°	5.6	0.1
140°-150°	2.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6246.5	96.8
0°-180°	6454.0	100.0

Coefficient of Utilization



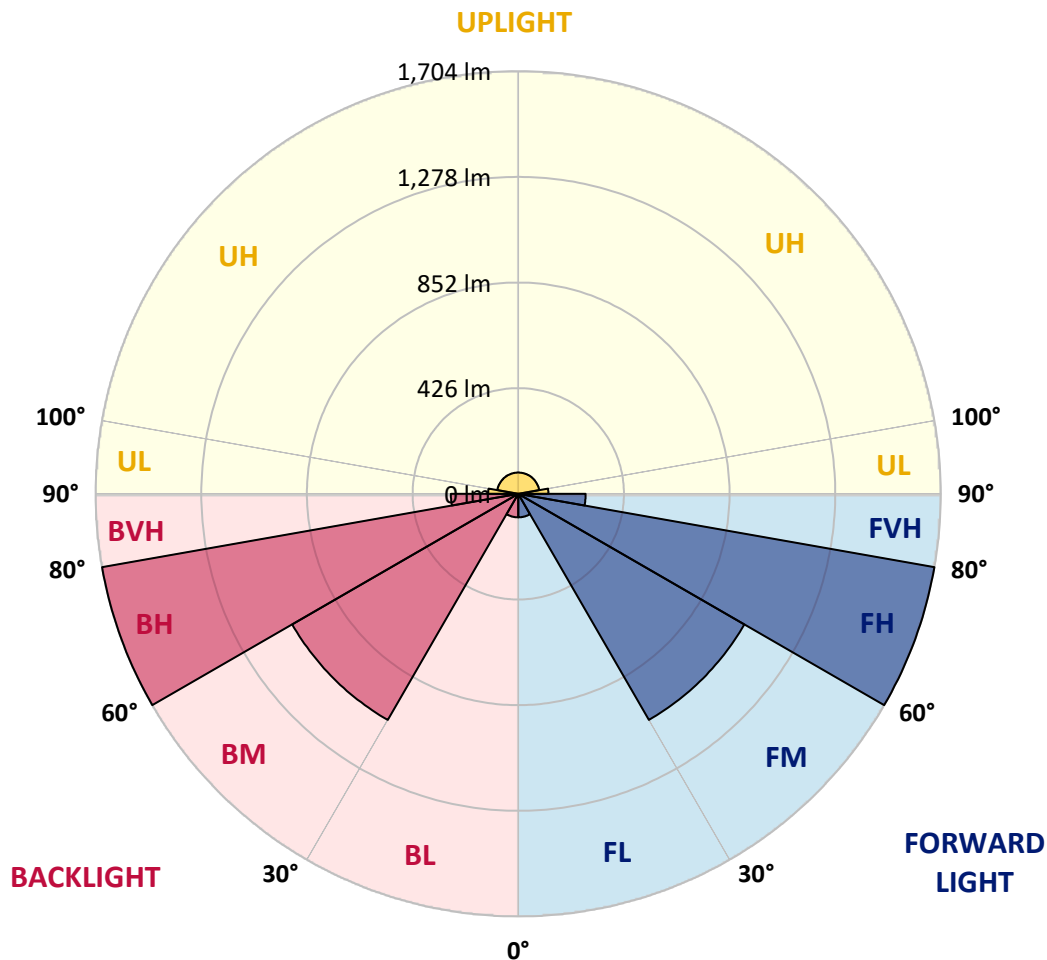
REPORT NUMBER: P695844
 CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.9	1.5			
FM (30°-60°)	1052.8	16.3			
FH (60°-80°)	1704.0	26.4			G1/1800
FVH (80°-90°)	271.6	4.2			G3/500
BL (0°-30°)	94.9	1.5	B0/110		
BM (30°-60°)	1052.8	16.3	B2/2500		
BH (60°-80°)	1704.0	26.4	B3/2500		G1/1800
BVH (80°-90°)	271.6	4.2			G3/500
UL (90°-100°)	121.6	1.9		U3/500	
UH (100°-180°)	85.8	1.3		U3/500	

BUG Rating: B3-U3-G3

Type V Short



REPORT NUMBER: P695844
 CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
2.5°	76.0	76.0	76.0	76.0	78.2	78.2	78.2	76.0	76.0	76.0	76.0
5°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	80.4
7.5°	91.3	91.3	91.3	91.3	91.3	93.4	91.3	91.3	91.3	91.3	91.3
10°	106.5	106.5	106.5	106.5	104.3	104.3	104.3	104.3	102.1	104.3	102.1
12.5°	126.0	126.0	126.0	123.9	121.7	121.7	121.7	119.5	121.7	121.7	121.7
15°	152.1	152.1	149.9	147.8	143.4	141.2	143.4	143.4	143.4	145.6	145.6
17.5°	180.3	182.5	178.2	173.8	169.5	169.5	167.3	169.5	173.8	176.0	176.0
20°	221.6	219.5	212.9	206.4	199.9	197.7	197.7	204.2	208.6	210.8	212.9
22.5°	262.9	262.9	256.4	243.4	234.7	230.3	232.5	239.0	249.9	258.6	258.6
25°	315.1	310.7	302.0	284.6	271.6	267.3	269.4	280.3	297.7	304.2	308.5
27.5°	367.2	365.0	352.0	332.4	312.9	304.2	310.7	330.3	349.8	362.9	367.2
30°	428.0	425.9	410.7	384.6	358.5	345.5	356.3	380.2	410.7	425.9	430.2
32.5°	495.4	493.2	473.7	438.9	404.1	391.1	404.1	438.9	473.7	493.2	495.4
35°	567.1	560.6	538.9	499.7	454.1	436.7	454.1	499.7	541.0	567.1	569.3
37.5°	638.8	634.5	610.6	564.9	510.6	488.9	508.4	567.1	612.7	643.2	636.6
40°	712.7	710.5	686.6	632.3	571.5	543.2	573.6	632.3	688.8	721.4	723.5
42.5°	797.4	797.4	767.0	710.5	636.6	604.0	636.6	712.7	775.7	801.8	803.9
45°	890.9	884.3	860.4	799.6	714.9	675.7	714.9	799.6	862.6	893.0	890.9
47.5°	988.6	984.3	962.6	901.7	801.8	760.5	799.6	897.4	962.6	984.3	984.3
50°	1101.6	1097.3	1077.7	1014.7	906.1	856.1	908.2	1006.0	1077.7	1097.3	1090.8
52.5°	1232.0	1219.0	1210.3	1149.4	1032.1	966.9	1023.4	1140.7	1205.9	1210.3	1210.3
55°	1360.2	1368.9	1362.4	1297.2	1166.8	1088.6	1158.1	1286.3	1345.0	1353.7	1342.8
57.5°	1523.1	1531.8	1527.5	1460.1	1318.9	1225.5	1303.7	1444.9	1494.9	1492.7	1490.6
60°	1703.5	1707.8	1703.5	1644.8	1488.4	1371.1	1464.5	1612.2	1660.0	1647.0	1636.1
62.5°	1862.1	1866.5	1868.6	1825.2	1638.3	1507.9	1603.5	1770.9	1807.8	1786.1	1779.5
65°	1990.3	1988.1	2009.9	1964.2	1766.5	1620.9	1729.6	1905.6	1927.3	1892.5	1881.7
67.5°	2035.9	2044.6	2085.9	2042.5	1842.6	1694.8	1807.8	1964.2	1979.4	1936.0	1914.3
70°	1977.3	1996.8	2046.8	2025.1	1842.6	1705.7	1810.0	1946.8	1940.3	1886.0	1864.3
72.5°	1816.5	1820.8	1883.8	1894.7	1760.0	1647.0	1727.4	1825.2	1792.6	1718.7	1712.2
75°	1531.8	1531.8	1610.1	1657.9	1584.0	1492.7	1555.7	1599.2	1549.2	1462.3	1451.4
77.5°	1173.3	1186.4	1251.5	1355.8	1338.5	1295.0	1323.2	1331.9	1227.6	1136.4	1138.6
80°	825.7	843.1	912.6	1019.1	1049.5	1047.3	1053.8	997.3	899.5	825.7	814.8
82.5°	554.1	545.4	610.6	706.2	777.9	790.9	786.6	708.3	612.7	543.2	534.5
85°	336.8	339.0	391.1	469.3	534.5	567.1	543.2	473.7	386.8	341.1	339.0
87.5°	208.6	212.9	243.4	295.5	362.9	393.3	367.2	306.4	243.4	210.8	208.6
90°	141.2	141.2	160.8	193.4	239.0	269.4	245.5	197.7	160.8	141.2	139.1
92.5°	102.1	106.5	113.0	134.7	167.3	186.9	169.5	134.7	113.0	102.1	99.9
95°	80.4	80.4	86.9	97.8	121.7	134.7	121.7	99.9	86.9	78.2	78.2
97.5°	63.0	65.2	69.5	78.2	93.4	102.1	93.4	78.2	69.5	63.0	60.8
100°	50.0	52.1	56.5	65.2	76.0	80.4	76.0	65.2	56.5	50.0	50.0
102.5°	39.1	41.3	45.6	54.3	63.0	65.2	63.0	52.1	45.6	39.1	39.1
105°	30.4	30.4	36.9	45.6	52.1	54.3	52.1	43.5	36.9	30.4	30.4
107.5°	23.9	23.9	30.4	36.9	43.5	45.6	43.5	36.9	28.2	23.9	23.9
110°	19.6	19.6	23.9	30.4	36.9	39.1	36.9	30.4	23.9	19.6	19.6

REPORT NUMBER: P695844
 CATALOG NUMBER: LXF.LXT-PA16-727-U-5WQ-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.2	15.2	19.6	26.1	30.4	32.6	30.4	26.1	19.6	15.2	15.2
115°	13.0	13.0	15.2	21.7	26.1	28.2	26.1	21.7	15.2	13.0	13.0
117.5°	10.9	10.9	13.0	17.4	21.7	23.9	21.7	17.4	13.0	10.9	10.9
120°	10.9	10.9	10.9	15.2	19.6	21.7	19.6	15.2	10.9	10.9	10.9
122.5°	8.7	8.7	10.9	13.0	17.4	17.4	15.2	13.0	10.9	8.7	8.7
125°	8.7	8.7	8.7	10.9	13.0	15.2	13.0	10.9	8.7	8.7	8.7
127.5°	8.7	8.7	8.7	8.7	13.0	13.0	13.0	8.7	8.7	8.7	8.7
130°	6.5	6.5	6.5	8.7	10.9	10.9	10.9	8.7	8.7	6.5	8.7
132.5°	6.5	6.5	6.5	8.7	8.7	10.9	8.7	8.7	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	8.7	8.7	8.7	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
140°	4.3	4.3	4.3	4.3	6.5	6.5	6.5	4.3	4.3	6.5	4.3
142.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	2.2	4.3	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3
150°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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)