

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: P695322

Luminaire Tested: **LXF.LXT-PA16-50-727-U-T3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)  
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-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4942 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U3 - G2

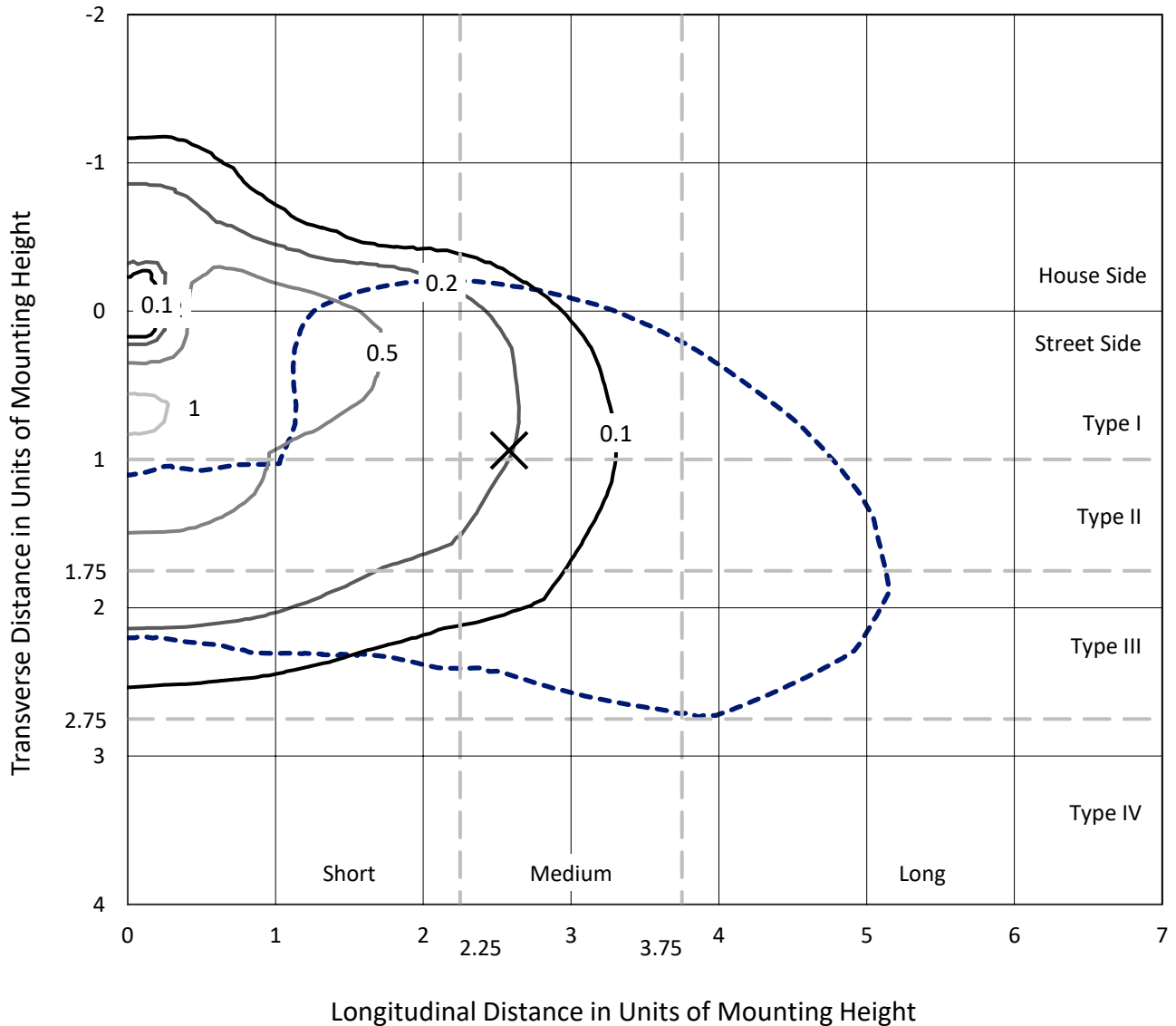
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

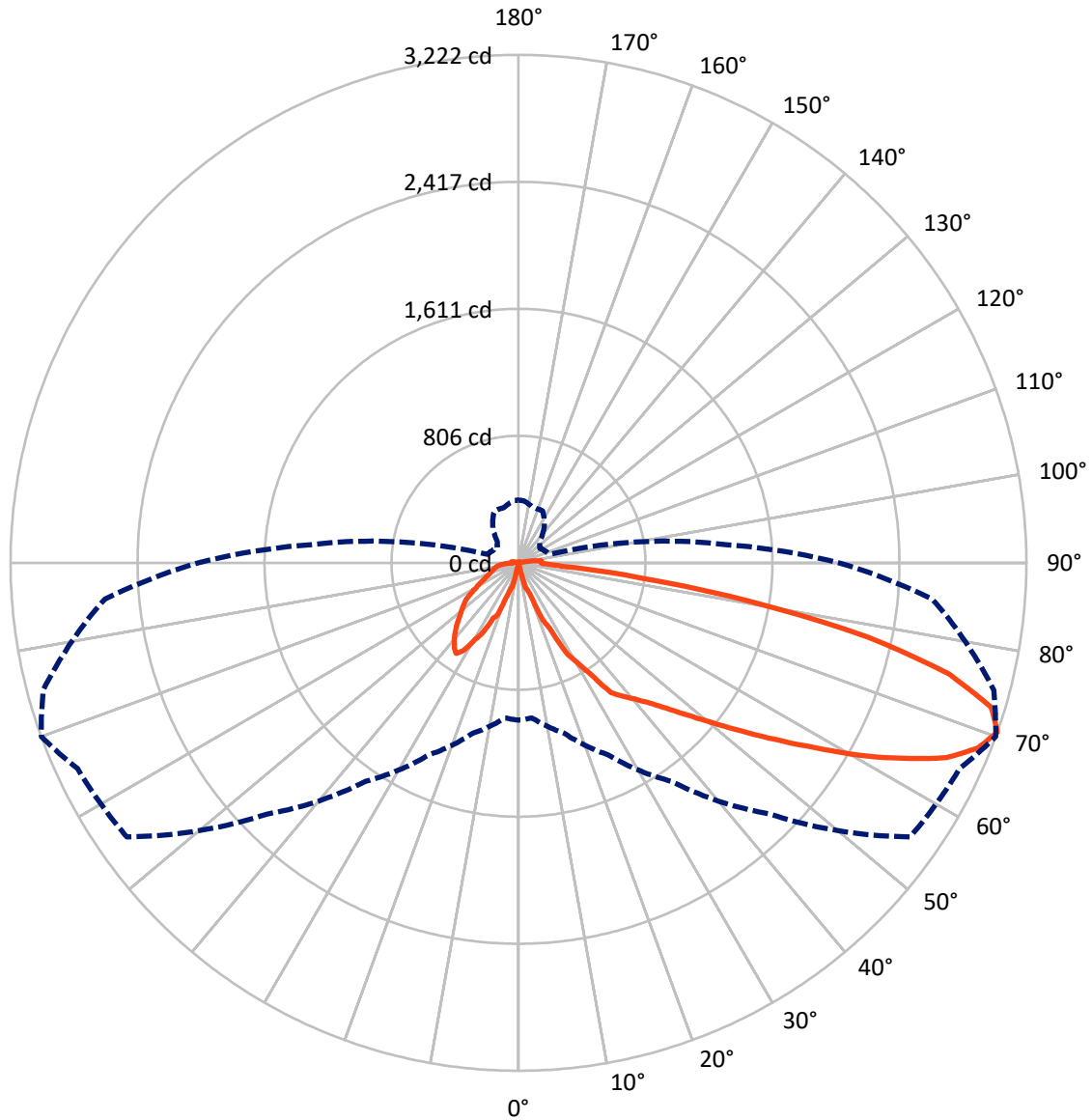
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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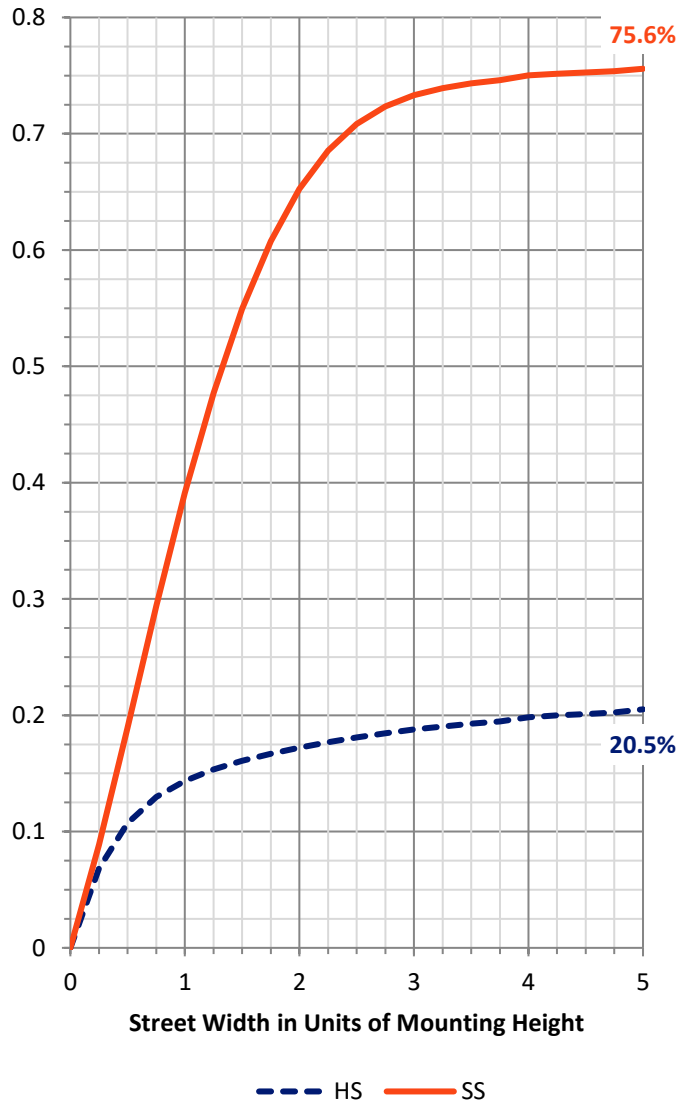
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1075.4	53.3	1128.7
	% Fixture	21.8	1.1	22.8
<b>Street Side</b>	Lumens	3766.4	46.9	3813.3
	% Fixture	76.2	0.9	77.2
<b>Total</b>	Lumens	4841.9	100.2	4942.0
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	35.3	0.7
20°-30°	201.9	4.1
30°-40°	466.2	9.4
40°-50°	682.8	13.8
50°-60°	1009.9	20.4
60°-70°	1324.5	26.8
70°-80°	899.6	18.2
80°-90°	221.3	4.5
90°-100°	72.7	1.5
100°-110°	13.0	0.3
110°-120°	5.2	0.1
120°-130°	4.1	0.1
130°-140°	2.9	0.1
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4841.9	98.0
0°-180°	4942.0	100.0

**Coefficient of Utilization**

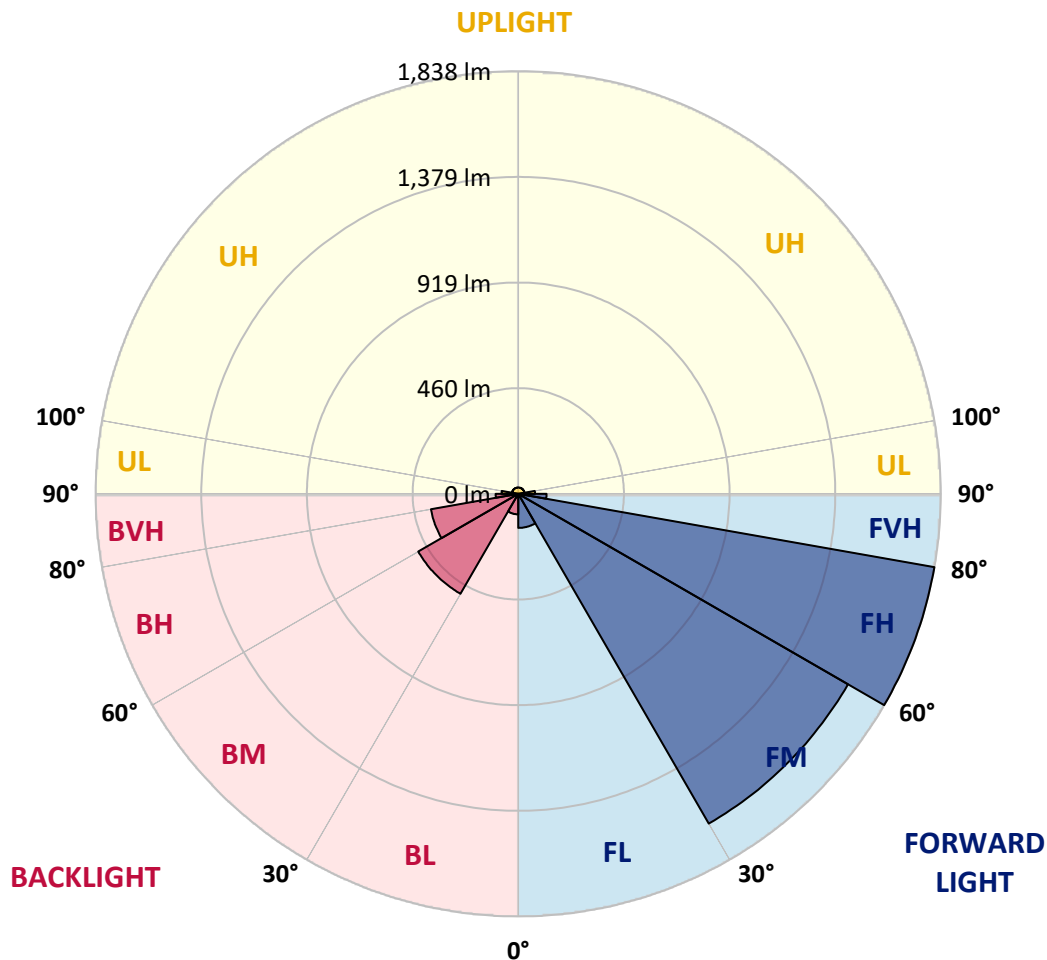


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	148.4	3.0			
FM (30°-60°)	1656.6	33.5			
FH (60°-80°)	1838.5	37.2			G2/5000
FVH (80°-90°)	122.9	2.5			G2/225
BL (0°-30°)	89.2	1.8	B0/110		
BM (30°-60°)	502.2	10.2	B1/1000		
BH (60°-80°)	385.6	7.8	B1/500		G1/500
BVH (80°-90°)	98.3	2.0			G1/100
UL (90°-100°)	72.7	1.5		U3/500	
UH (100°-180°)	27.5	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5°	3.5	3.5	3.5	3.5	5.2	5.2	3.5	3.5	3.5	3.5	3.5
7.5°	5.2	3.5	3.5	5.2	5.2	5.2	5.2	3.5	3.5	3.5	3.5
10°	29.4	31.1	20.8	12.1	8.6	5.2	5.2	5.2	5.2	5.2	5.2
12.5°	159.1	157.4	153.9	107.2	38.0	12.1	8.6	15.6	19.0	24.2	34.6
15°	179.9	181.6	176.4	174.7	164.3	62.3	32.9	145.3	159.1	160.8	160.8
17.5°	250.8	249.0	224.8	197.2	185.1	192.0	153.9	173.0	179.9	183.3	185.1
20°	422.0	420.3	415.1	354.5	228.3	280.2	271.5	205.8	217.9	280.2	356.3
22.5°	470.4	467.0	460.0	442.8	458.3	320.0	311.3	361.5	392.6	411.6	409.9
25°	721.2	728.1	600.1	498.1	506.7	437.6	470.4	467.0	458.3	461.8	467.0
27.5°	802.5	795.6	785.2	735.0	563.8	595.0	536.1	596.7	652.0	683.2	674.5
30°	1029.1	1027.3	904.5	818.1	740.2	645.1	667.6	752.3	733.3	738.5	710.8
32.5°	1202.0	1200.3	1183.0	1010.0	838.8	729.9	792.1	795.6	844.0	939.1	947.8
35°	1269.5	1262.5	1250.4	1124.2	954.7	859.6	837.1	984.1	1011.8	1015.2	991.0
37.5°	1338.6	1330.0	1319.6	1179.5	1068.8	911.5	959.9	1072.3	1072.3	1094.8	1034.2
40°	1378.4	1378.4	1376.7	1226.2	1120.7	958.1	1020.4	1139.7	1136.3	1151.9	1094.8
42.5°	1428.6	1423.4	1442.4	1274.6	1174.3	1006.6	1079.2	1203.7	1214.1	1253.9	1176.1
45°	1499.5	1506.4	1515.1	1378.4	1247.0	1077.5	1148.4	1304.1	1314.4	1368.0	1293.7
47.5°	1577.3	1586.0	1617.1	1487.4	1364.6	1167.4	1207.2	1418.2	1442.4	1508.1	1442.4
50°	1674.2	1675.9	1720.9	1596.3	1515.1	1295.4	1314.4	1528.9	1592.9	1651.7	1611.9
52.5°	1743.3	1750.3	1805.6	1736.4	1653.4	1449.3	1470.1	1672.4	1772.7	1845.4	1795.2
55°	1803.9	1809.1	1861.0	1843.7	1769.3	1566.9	1672.4	1866.1	1978.6	2040.8	2020.1
57.5°	1826.4	1831.6	1909.4	1923.2	1886.9	1715.7	1885.2	2058.1	2208.6	2277.8	2243.2
60°	1810.8	1810.8	1905.9	1980.3	2016.6	1880.0	2110.0	2274.3	2478.4	2525.1	2537.2
62.5°	1758.9	1772.7	1888.6	2004.5	2110.0	2040.8	2338.3	2542.4	2730.9	2774.1	2746.5
65°	1644.8	1648.2	1771.0	1952.6	2120.4	2215.5	2630.6	2768.9	2981.7	2966.1	2848.5
67.5°	1428.6	1404.4	1511.6	1767.6	2006.2	2305.4	2874.4	2960.9	3139.1	3087.2	2822.6
70°	997.9	987.6	1119.0	1343.8	1691.5	2253.6	3031.8	3087.2	3222.1	3121.8	2634.0
72.5°	473.9	511.9	577.7	769.6	1172.6	1902.5	2988.6	3075.1	3135.6	3021.5	2288.1
75°	207.5	212.7	247.3	349.4	603.6	1202.0	2615.0	2762.0	2822.6	2692.8	1802.2
77.5°	148.7	148.7	164.3	190.2	275.0	574.2	1781.4	2187.8	2265.7	2139.4	1262.5
80°	115.9	115.9	128.0	145.3	171.2	236.9	1110.3	1466.6	1494.3	1307.5	703.9
82.5°	86.5	89.9	100.3	109.0	126.3	162.6	475.6	754.1	773.1	607.1	368.4
85°	62.3	62.3	69.2	69.2	83.0	126.3	245.6	276.7	275.0	243.9	228.3
87.5°	20.8	20.8	17.3	20.8	34.6	79.6	153.9	155.7	148.7	169.5	192.0
90°	24.2	24.2	17.3	19.0	25.9	72.6	148.7	148.7	141.8	152.2	192.0
92.5°	25.9	25.9	19.0	19.0	22.5	64.0	150.5	157.4	148.7	153.9	190.2
95°	25.9	25.9	19.0	17.3	20.8	43.2	145.3	145.3	140.1	136.6	150.5
97.5°	15.6	15.6	12.1	13.8	17.3	22.5	86.5	89.9	79.6	62.3	81.3
100°	10.4	10.4	8.6	10.4	12.1	12.1	41.5	43.2	32.9	15.6	17.3
102.5°	10.4	10.4	6.9	8.6	6.9	6.9	12.1	15.6	10.4	10.4	13.8
105°	10.4	12.1	5.2	5.2	5.2	5.2	5.2	10.4	8.6	8.6	13.8
107.5°	10.4	10.4	5.2	5.2	5.2	5.2	3.5	5.2	6.9	8.6	15.6
110°	5.2	6.9	3.5	5.2	3.5	5.2	3.5	5.2	6.9	6.9	12.1

REPORT NUMBER: P695322  
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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	3.5	3.5	1.7	3.5	3.5	3.5	3.5	5.2	5.2	5.2	8.6
115°	3.5	3.5	1.7	1.7	1.7	3.5	3.5	3.5	5.2	5.2	8.6
117.5°	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5	5.2	8.6
120°	5.2	3.5	1.7	1.7	1.7	1.7	3.5	3.5	5.2	5.2	8.6
122.5°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
125°	5.2	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
127.5°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	8.6
130°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	3.5	3.5	5.2	6.9
132.5°	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	6.9
135°	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	3.5	3.5	5.2
137.5°	3.5	3.5	1.7	1.7	3.5	3.5	3.5	3.5	3.5	3.5	3.5
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	5.2	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2
150°	5.2	5.2	5.2	3.5	3.5	1.7	3.5	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: P695322  
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2	5.2
5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2
7.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
10°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.2
12.5°	31.1	31.1	24.2	12.1	5.2	3.5	3.5	3.5	5.2	8.6	6.9
15°	164.3	164.3	160.8	147.0	31.1	8.6	6.9	15.6	69.2	124.5	126.3
17.5°	188.5	186.8	183.3	174.7	155.7	55.3	53.6	145.3	155.7	162.6	164.3
20°	354.5	351.1	271.5	193.7	169.5	167.8	147.0	164.3	169.5	173.0	174.7
22.5°	404.7	399.5	380.5	335.5	193.7	228.3	214.5	178.1	266.3	285.4	285.4
25°	465.2	451.4	413.4	361.5	330.3	240.4	247.3	259.4	275.0	278.5	278.5
27.5°	662.4	650.3	595.0	397.8	354.5	283.6	287.1	262.9	276.7	316.5	321.7
30°	693.5	674.5	624.4	491.2	368.4	318.2	275.0	307.9	323.4	321.7	323.4
32.5°	923.6	904.5	802.5	505.0	396.1	299.2	300.9	307.9	318.2	335.5	347.6
35°	959.9	939.1	823.2	574.2	378.8	297.5	297.5	311.3	358.0	364.9	364.9
37.5°	999.7	982.4	814.6	536.1	382.2	297.5	288.8	318.2	337.3	335.5	335.5
40°	1068.8	1041.2	792.1	489.5	347.6	285.4	288.8	299.2	309.6	299.2	294.0
42.5°	1150.1	1100.0	762.7	441.0	320.0	269.8	273.3	276.7	276.7	257.7	256.0
45°	1253.9	1160.5	722.9	396.1	294.0	250.8	259.4	254.2	254.2	238.7	236.9
47.5°	1371.5	1222.8	674.5	356.3	271.5	233.5	245.6	240.4	243.9	230.0	228.3
50°	1508.1	1304.1	627.8	326.9	252.5	224.8	231.8	238.7	243.9	226.6	224.8
52.5°	1651.7	1383.6	595.0	294.0	235.2	214.5	236.9	238.7	242.1	224.8	224.8
55°	1828.1	1482.2	555.2	269.8	223.1	205.8	249.0	249.0	243.9	228.3	226.6
57.5°	2018.3	1580.8	480.8	247.3	212.7	200.6	254.2	262.9	250.8	231.8	231.8
60°	2194.7	1679.4	396.1	230.0	202.4	198.9	257.7	269.8	259.4	242.1	242.1
62.5°	2329.7	1727.8	332.1	216.2	190.2	193.7	256.0	283.6	280.2	271.5	271.5
65°	2345.2	1684.5	278.5	204.1	179.9	192.0	252.5	297.5	299.2	313.0	314.8
67.5°	2262.2	1546.2	236.9	193.7	171.2	186.8	254.2	326.9	335.5	361.5	358.0
70°	2033.9	1321.3	205.8	181.6	164.3	188.5	285.4	363.2	361.5	394.3	397.8
72.5°	1698.4	1046.4	186.8	174.7	167.8	202.4	321.7	373.6	366.7	403.0	399.5
75°	1288.5	738.5	171.2	166.0	162.6	205.8	330.3	363.2	349.4	373.6	370.1
77.5°	847.5	486.0	155.7	155.7	157.4	197.2	316.5	345.9	328.6	344.2	342.4
80°	477.3	288.8	140.1	147.0	150.5	188.5	295.7	321.7	304.4	316.5	316.5
82.5°	287.1	205.8	122.8	134.9	138.4	186.8	276.7	299.2	283.6	290.6	281.9
85°	195.4	150.5	96.9	114.1	129.7	179.9	261.2	276.7	249.0	243.9	236.9
87.5°	159.1	117.6	53.6	72.6	96.9	153.9	207.5	209.3	183.3	179.9	178.1
90°	155.7	109.0	38.0	39.8	64.0	107.2	136.6	131.4	122.8	124.5	122.8
92.5°	152.2	103.8	41.5	43.2	64.0	84.7	115.9	114.1	105.5	114.1	112.4
95°	129.7	89.9	43.2	46.7	55.3	51.9	84.7	89.9	83.0	88.2	89.9
97.5°	67.5	48.4	41.5	46.7	41.5	31.1	50.2	57.1	43.2	34.6	38.0
100°	22.5	15.6	41.5	48.4	31.1	22.5	36.3	41.5	25.9	10.4	10.4
102.5°	13.8	13.8	29.4	38.0	22.5	12.1	24.2	29.4	19.0	8.6	8.6
105°	13.8	13.8	12.1	20.8	8.6	6.9	8.6	15.6	10.4	8.6	8.6
107.5°	15.6	13.8	6.9	6.9	6.9	5.2	5.2	6.9	6.9	8.6	8.6
110°	13.8	12.1	6.9	6.9	5.2	5.2	5.2	5.2	6.9	10.4	10.4

REPORT NUMBER: P695322  
 CATALOG NUMBER: LXF.LXT-PA16-50-727-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	10.4	6.9	5.2	5.2	5.2	5.2	5.2	6.9	10.4	10.4
115°	8.6	8.6	5.2	5.2	3.5	5.2	5.2	5.2	6.9	10.4	12.1
117.5°	10.4	8.6	5.2	3.5	3.5	3.5	3.5	5.2	6.9	12.1	12.1
120°	10.4	8.6	5.2	5.2	3.5	3.5	3.5	5.2	6.9	12.1	13.8
122.5°	10.4	8.6	5.2	3.5	3.5	3.5	3.5	5.2	6.9	12.1	13.8
125°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	5.2	6.9	12.1	12.1
127.5°	8.6	8.6	5.2	3.5	3.5	3.5	3.5	5.2	6.9	12.1	12.1
130°	8.6	6.9	5.2	3.5	3.5	3.5	3.5	5.2	6.9	10.4	12.1
132.5°	6.9	6.9	5.2	3.5	3.5	3.5	3.5	3.5	6.9	10.4	10.4
135°	5.2	5.2	3.5	3.5	3.5	3.5	3.5	3.5	5.2	6.9	8.6
137.5°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	5.2	5.2	6.9
140°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	5.2	5.2
142.5°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	5.2	5.2
145°	3.5	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	5.2	5.2
147.5°	5.2	3.5	3.5	3.5	1.7	1.7	3.5	3.5	3.5	5.2	5.2
150°	5.2	3.5	3.5	1.7	1.7	1.7	1.7	3.5	3.5	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)