

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: P695684

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695684  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-740-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6392 lumens  
Efficiency: N/A  
Efficacy: 103.1 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: B2 - U3 - G3

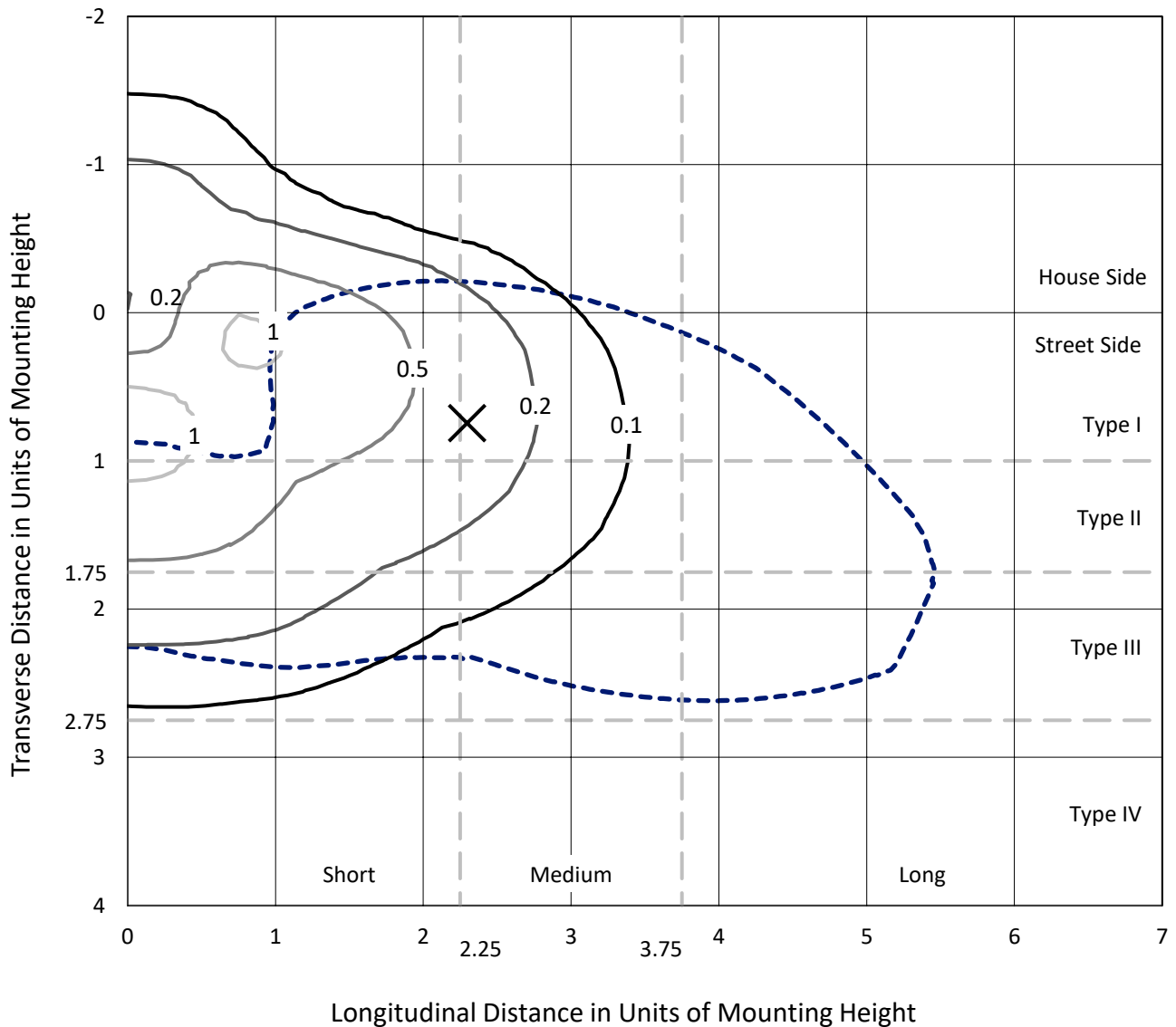
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

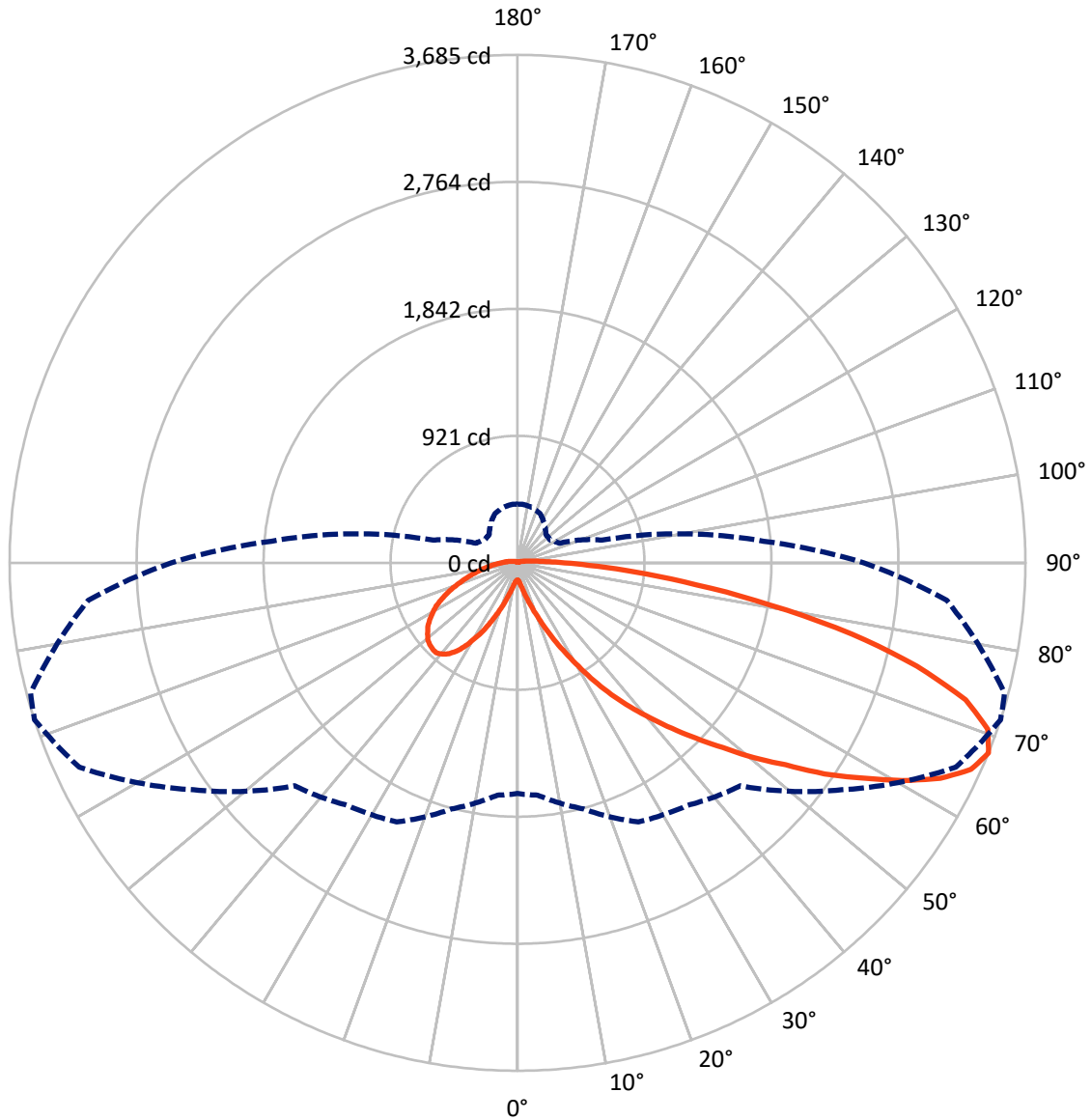
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P695684  
CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

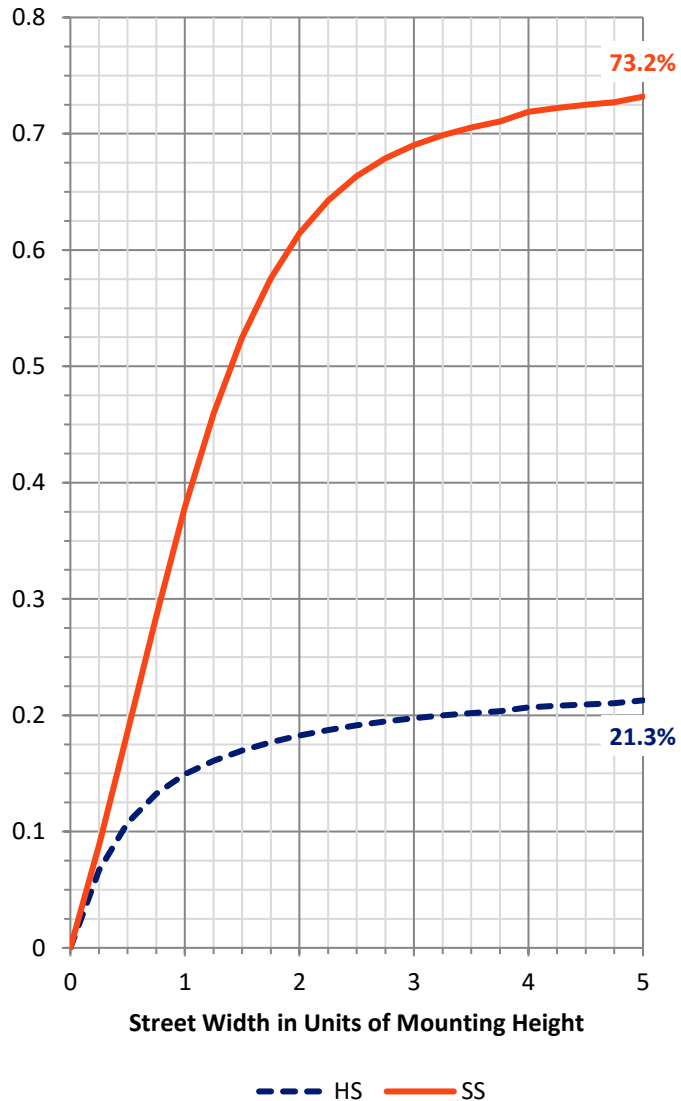
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1427.8	107.2	1535.0
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	4758.3	98.8	4857.0
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	6186.0	206.0	6392.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.3	0.2
10°-20°	75.4	1.2
20°-30°	242.0	3.8
30°-40°	541.1	8.5
40°-50°	902.0	14.1
50°-60°	1313.0	20.5
60°-70°	1573.6	24.6
70°-80°	1129.8	17.7
80°-90°	394.8	6.2
90°-100°	108.1	1.7
100°-110°	46.3	0.7
110°-120°	23.9	0.4
120°-130°	14.2	0.2
130°-140°	8.7	0.1
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6186.0	96.8
0°-180°	6392.0	100.0

**Coefficient of Utilization**

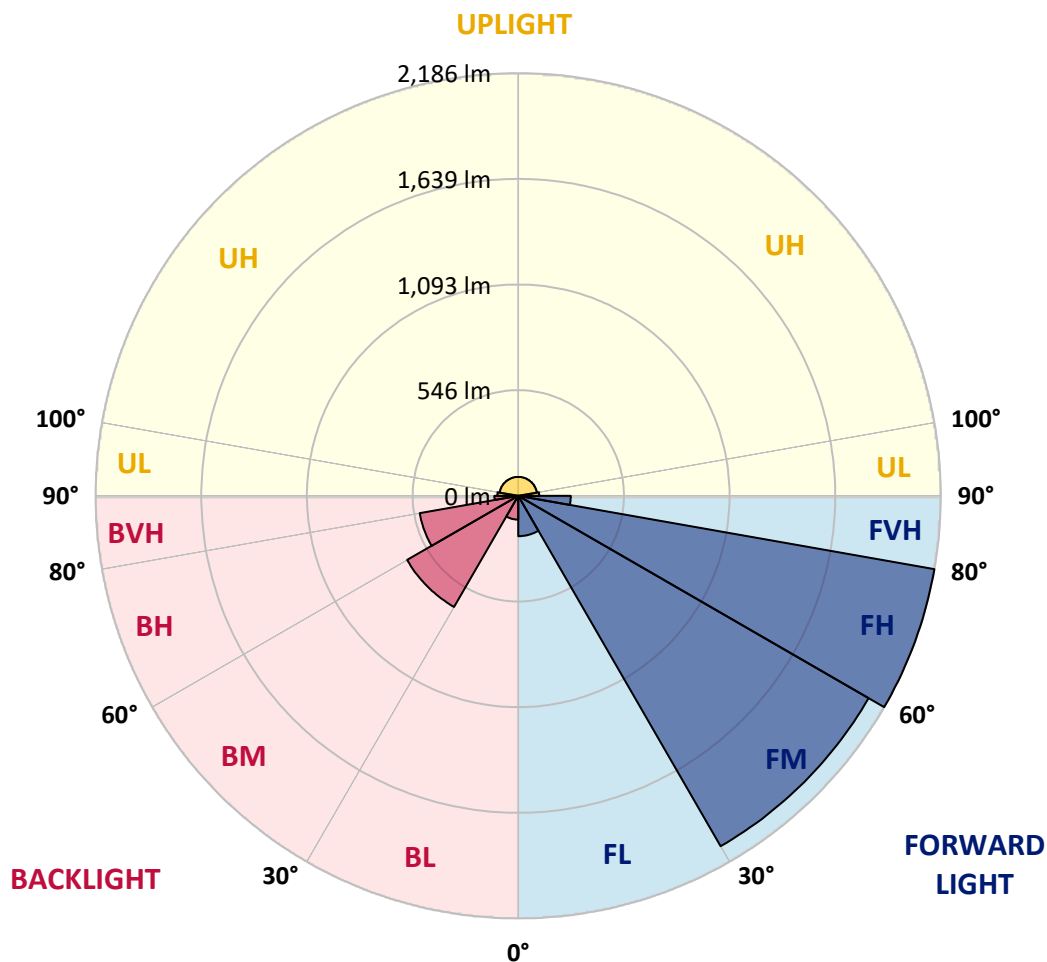


REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.6	3.3			
FM (30°-60°)	2092.5	32.7			
FH (60°-80°)	2185.7	34.2			G2/5000
FVH (80°-90°)	271.4	4.2			G3/500
BL (0°-30°)	123.1	1.9	B1/500		
BM (30°-60°)	663.6	10.4	B1/1000		
BH (60°-80°)	517.7	8.1	B2/1000		G2/1000
BVH (80°-90°)	123.4	1.9			G2/225
UL (90°-100°)	108.1	1.7		U3/500	
UH (100°-180°)	97.9	1.5		U3/500	

**BUG Rating: B2-U3-G3**  
 Type III Medium



REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7
2.5°	132.7	132.7	132.7	135.0	132.7	132.7	132.7	130.4	130.4	130.4	128.0
5°	153.6	153.6	151.3	151.3	149.0	149.0	146.7	144.3	142.0	139.7	137.3
7.5°	179.2	179.2	176.9	176.9	174.6	169.9	167.6	162.9	160.6	158.3	156.0
10°	218.8	216.5	216.5	214.2	209.5	204.8	200.2	193.2	188.6	186.2	181.6
12.5°	270.0	267.7	265.4	256.1	251.4	244.4	237.4	232.8	228.1	223.5	216.5
15°	335.2	332.9	325.9	318.9	302.6	295.6	286.3	284.0	279.3	277.0	265.4
17.5°	414.3	407.4	402.7	386.4	370.1	353.8	349.2	344.5	342.2	339.9	332.9
20°	512.1	505.1	495.8	465.6	446.9	428.3	416.7	419.0	416.7	416.7	409.7
22.5°	630.8	633.2	607.6	568.0	526.1	502.8	498.1	505.1	509.8	514.4	500.5
25°	775.2	772.8	733.3	679.7	626.2	593.6	588.9	602.9	619.2	628.5	616.9
27.5°	935.8	924.1	884.6	805.4	737.9	689.0	691.4	721.6	737.9	744.9	735.6
30°	1103.4	1098.7	1040.5	945.1	847.3	786.8	796.1	840.3	870.6	886.9	863.6
32.5°	1284.9	1271.0	1203.5	1091.7	963.7	889.2	910.2	973.0	1021.9	1024.2	1012.6
35°	1457.2	1457.2	1378.1	1243.0	1084.7	996.3	1021.9	1124.3	1173.2	1187.2	1161.6
37.5°	1627.1	1615.5	1548.0	1380.4	1205.8	1101.0	1136.0	1257.0	1324.5	1338.5	1305.9
40°	1769.1	1766.8	1690.0	1531.7	1315.2	1203.5	1250.0	1399.0	1478.1	1501.4	1447.9
42.5°	1913.4	1904.1	1843.6	1664.4	1445.6	1308.2	1371.1	1552.6	1641.1	1655.1	1599.2
45°	2020.5	2013.5	1969.3	1804.0	1568.9	1420.0	1499.1	1706.3	1815.7	1829.6	1743.5
47.5°	2122.9	2122.9	2085.7	1948.4	1697.0	1545.7	1645.7	1887.8	2001.9	2025.2	1927.4
50°	2223.0	2213.7	2204.4	2085.7	1827.3	1685.3	1790.1	2078.7	2220.7	2244.0	2109.0
52.5°	2281.2	2295.2	2306.8	2225.4	1974.0	1818.0	1964.7	2285.9	2434.9	2467.5	2320.8
55°	2334.8	2327.8	2381.3	2327.8	2099.7	1964.7	2160.2	2523.3	2702.6	2714.2	2548.9
57.5°	2332.4	2339.4	2418.6	2423.2	2223.0	2099.7	2344.1	2758.4	2944.7	2984.2	2758.4
60°	2276.6	2295.2	2397.6	2446.5	2320.8	2220.7	2535.0	3005.2	3207.7	3247.3	2965.6
62.5°	2162.5	2169.5	2316.2	2423.2	2348.7	2313.8	2704.9	3233.3	3442.8	3440.5	3123.9
65°	1948.4	1960.0	2116.0	2290.5	2297.5	2337.1	2821.3	3419.5	3615.1	3601.1	3175.1
67.5°	1673.7	1692.3	1848.3	2074.1	2148.5	2288.2	2870.2	3508.0	3684.9	3657.0	3126.2
70°	1329.2	1375.7	1499.1	1736.5	1927.4	2132.3	2805.0	3484.7	3619.7	3582.5	2926.0
72.5°	977.7	998.6	1129.0	1361.8	1596.9	1901.8	2593.2	3291.5	3400.9	3312.4	2611.8
75°	686.7	693.7	803.1	1003.3	1257.0	1587.6	2274.3	2916.7	2993.5	2907.4	2178.8
77.5°	423.7	437.6	523.8	689.0	924.1	1266.3	1850.6	2430.2	2479.1	2367.4	1699.3
80°	260.7	270.0	330.5	456.2	642.5	924.1	1431.6	1845.9	1862.2	1785.4	1215.1
82.5°	167.6	176.9	216.5	293.3	428.3	644.8	1007.9	1315.2	1305.9	1224.4	819.4
85°	109.4	116.4	142.0	195.5	284.0	444.6	672.7	872.9	852.0	791.4	533.1
87.5°	72.2	76.8	100.1	137.3	195.5	295.6	433.0	528.4	516.8	477.2	332.9
90°	48.9	51.2	69.8	95.4	137.3	202.5	279.3	318.9	298.0	281.7	216.5
92.5°	34.9	39.6	51.2	72.2	104.8	144.3	181.6	197.9	186.2	179.2	146.7
95°	27.9	27.9	41.9	58.2	81.5	109.4	128.0	128.0	121.0	118.7	107.1
97.5°	23.3	23.3	34.9	48.9	67.5	86.1	93.1	90.8	86.1	88.5	81.5
100°	18.6	21.0	30.3	41.9	55.9	69.8	72.2	67.5	65.2	65.2	62.9
102.5°	16.3	18.6	27.9	37.2	48.9	58.2	60.5	55.9	51.2	51.2	48.9
105°	16.3	16.3	23.3	32.6	41.9	48.9	48.9	44.2	41.9	39.6	37.2
107.5°	14.0	14.0	21.0	30.3	37.2	41.9	41.9	37.2	32.6	32.6	30.3
110°	11.6	14.0	18.6	25.6	32.6	37.2	37.2	32.6	27.9	25.6	25.6

REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.6	11.6	16.3	23.3	27.9	32.6	30.3	25.6	23.3	21.0	21.0
115°	11.6	11.6	14.0	21.0	25.6	27.9	27.9	23.3	18.6	18.6	18.6
117.5°	11.6	11.6	14.0	18.6	23.3	25.6	23.3	21.0	16.3	16.3	16.3
120°	11.6	11.6	14.0	16.3	21.0	23.3	21.0	18.6	14.0	14.0	16.3
122.5°	9.3	11.6	11.6	16.3	18.6	21.0	18.6	16.3	14.0	14.0	14.0
125°	9.3	11.6	11.6	14.0	16.3	18.6	16.3	14.0	11.6	11.6	14.0
127.5°	9.3	9.3	11.6	14.0	16.3	16.3	16.3	14.0	11.6	11.6	14.0
130°	9.3	11.6	11.6	11.6	14.0	16.3	14.0	11.6	11.6	11.6	11.6
132.5°	9.3	9.3	11.6	11.6	14.0	14.0	11.6	11.6	9.3	9.3	11.6
135°	9.3	9.3	9.3	11.6	11.6	11.6	11.6	9.3	9.3	9.3	11.6
137.5°	9.3	9.3	9.3	9.3	11.6	11.6	9.3	9.3	9.3	9.3	9.3
140°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	7.0	9.3	9.3	9.3
142.5°	9.3	9.3	9.3	7.0	9.3	7.0	7.0	7.0	7.0	7.0	9.3
145°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	7.0	7.0	7.0	4.7	4.7	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7	125.7
2.5°	125.7	125.7	125.7	123.4	123.4	123.4	121.0	121.0	121.0	121.0	121.0
5°	137.3	135.0	132.7	130.4	125.7	125.7	123.4	123.4	121.0	121.0	121.0
7.5°	153.6	151.3	146.7	142.0	137.3	132.7	130.4	128.0	125.7	125.7	125.7
10°	176.9	174.6	165.3	158.3	151.3	146.7	142.0	139.7	137.3	135.0	135.0
12.5°	211.8	209.5	197.9	183.9	172.3	162.9	156.0	153.6	151.3	149.0	151.3
15°	260.7	256.1	239.8	216.5	200.2	183.9	176.9	174.6	176.9	176.9	174.6
17.5°	325.9	314.3	288.6	258.4	232.8	211.8	202.5	202.5	202.5	204.8	204.8
20°	400.4	388.7	351.5	309.6	267.7	242.1	230.5	230.5	232.8	235.1	239.8
22.5°	488.8	470.2	421.3	360.8	307.3	272.4	258.4	258.4	265.4	272.4	272.4
25°	598.2	575.0	502.8	414.3	346.8	302.6	284.0	286.3	298.0	304.9	307.3
27.5°	717.0	686.7	591.3	477.2	381.8	325.9	307.3	311.9	325.9	337.5	337.5
30°	852.0	800.8	672.7	530.7	412.0	344.5	325.9	335.2	351.5	365.5	367.8
32.5°	975.3	924.1	765.8	581.9	437.6	356.2	337.5	351.5	370.1	386.4	386.4
35°	1112.7	1047.5	842.7	621.5	451.6	363.1	344.5	363.1	384.1	398.1	398.1
37.5°	1245.4	1154.6	903.2	644.8	456.2	363.1	346.8	370.1	388.7	400.4	402.7
40°	1366.4	1259.3	947.4	651.8	451.6	358.5	346.8	370.1	388.7	395.7	398.1
42.5°	1496.8	1347.8	980.0	644.8	440.0	351.5	344.5	367.8	384.1	386.4	388.7
45°	1627.1	1445.6	989.3	621.5	423.7	342.2	337.5	360.8	374.8	374.8	374.8
47.5°	1769.1	1541.0	989.3	593.6	402.7	332.9	332.9	356.2	365.5	363.1	363.1
50°	1918.1	1631.8	982.3	561.0	384.1	323.6	325.9	351.5	360.8	353.8	353.8
52.5°	2074.1	1729.5	959.0	521.4	363.1	314.3	323.6	349.2	358.5	351.5	351.5
55°	2262.6	1825.0	933.4	484.2	344.5	307.3	321.2	349.2	358.5	351.5	351.5
57.5°	2395.3	1908.8	893.9	449.3	330.5	302.6	321.2	353.8	363.1	358.5	358.5
60°	2548.9	1964.7	842.7	414.3	316.6	298.0	325.9	358.5	372.4	372.4	372.4
62.5°	2632.7	1978.6	789.1	384.1	307.3	295.6	330.5	367.8	386.4	388.7	391.1
65°	2632.7	1918.1	714.6	358.5	298.0	293.3	335.2	379.4	402.7	409.7	412.0
67.5°	2514.0	1792.4	635.5	335.2	288.6	291.0	339.9	391.1	414.3	426.0	426.0
70°	2318.5	1594.5	551.7	311.9	279.3	288.6	342.2	395.7	421.3	433.0	433.0
72.5°	1997.2	1364.1	472.5	293.3	270.0	284.0	339.9	395.7	419.0	428.3	426.0
75°	1617.8	1089.4	395.7	272.4	258.4	272.4	328.2	384.1	402.7	407.4	407.4
77.5°	1259.3	831.0	332.9	249.1	242.1	258.4	311.9	360.8	377.1	379.4	377.1
80°	896.2	600.6	279.3	228.1	223.5	237.4	284.0	325.9	339.9	342.2	337.5
82.5°	602.9	430.6	228.1	200.2	200.2	214.2	253.7	286.3	298.0	295.6	293.3
85°	391.1	291.0	186.2	172.3	174.6	188.6	216.5	242.1	249.1	246.7	239.8
87.5°	256.1	204.8	149.0	146.7	149.0	160.6	181.6	195.5	204.8	200.2	197.9
90°	174.6	146.7	121.0	121.0	125.7	135.0	149.0	156.0	158.3	158.3	156.0
92.5°	128.0	114.1	100.1	100.1	107.1	114.1	121.0	123.4	128.0	125.7	123.4
95°	97.8	93.1	83.8	83.8	90.8	97.8	100.1	97.8	102.4	102.4	100.1
97.5°	76.8	76.8	72.2	72.2	76.8	81.5	83.8	81.5	83.8	81.5	81.5
100°	60.5	60.5	62.9	62.9	65.2	69.8	69.8	69.8	69.8	67.5	65.2
102.5°	48.9	51.2	53.5	55.9	58.2	58.2	60.5	58.2	58.2	53.5	53.5
105°	39.6	39.6	44.2	46.6	48.9	51.2	51.2	51.2	48.9	44.2	44.2
107.5°	32.6	34.9	37.2	41.9	41.9	44.2	46.6	44.2	39.6	34.9	37.2
110°	25.6	27.9	32.6	34.9	37.2	39.6	39.6	37.2	32.6	30.3	30.3

REPORT NUMBER: P695684  
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	23.3	27.9	30.3	32.6	34.9	34.9	32.6	27.9	25.6	25.6
115°	21.0	21.0	23.3	25.6	27.9	30.3	30.3	27.9	23.3	21.0	21.0
117.5°	18.6	18.6	21.0	23.3	25.6	27.9	25.6	25.6	21.0	18.6	18.6
120°	16.3	18.6	18.6	21.0	23.3	23.3	23.3	21.0	18.6	18.6	18.6
122.5°	16.3	16.3	18.6	18.6	21.0	21.0	21.0	18.6	16.3	16.3	16.3
125°	14.0	16.3	16.3	16.3	18.6	18.6	18.6	16.3	14.0	14.0	14.0
127.5°	14.0	14.0	14.0	16.3	16.3	16.3	16.3	14.0	14.0	14.0	14.0
130°	14.0	14.0	14.0	14.0	14.0	16.3	14.0	14.0	11.6	14.0	14.0
132.5°	11.6	11.6	11.6	14.0	14.0	14.0	14.0	11.6	11.6	11.6	11.6
135°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
137.5°	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3	9.3	11.6	11.6
140°	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
142.5°	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	7.0	9.3	9.3
145°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
147.5°	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
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)