

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: P695136

Luminaire Tested: **LXF.LXT-PA16-40-740-U-T2U-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695136  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-740-U-T2U-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4649 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short  
BUG Rating: B2 - U3 - G2

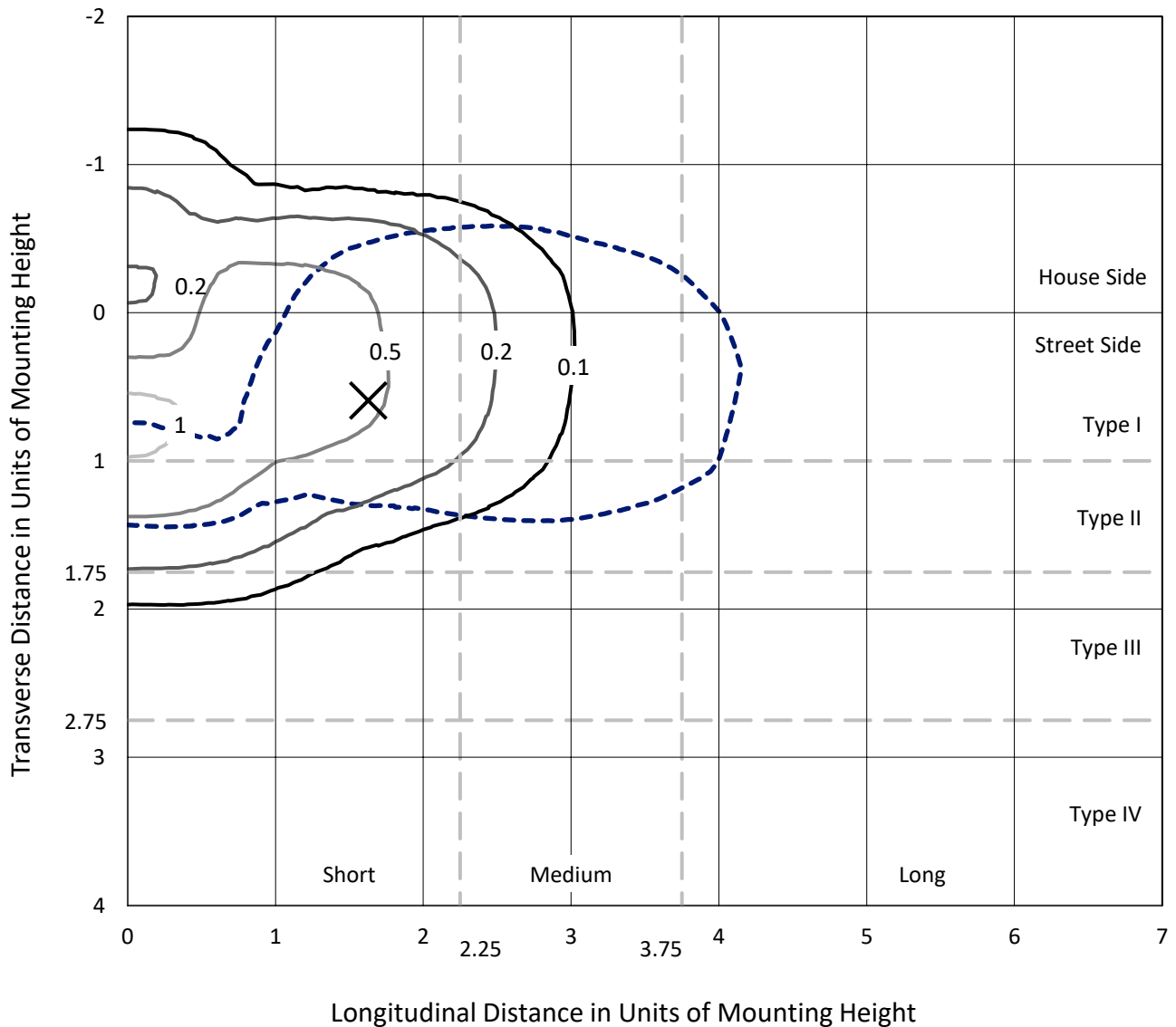
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

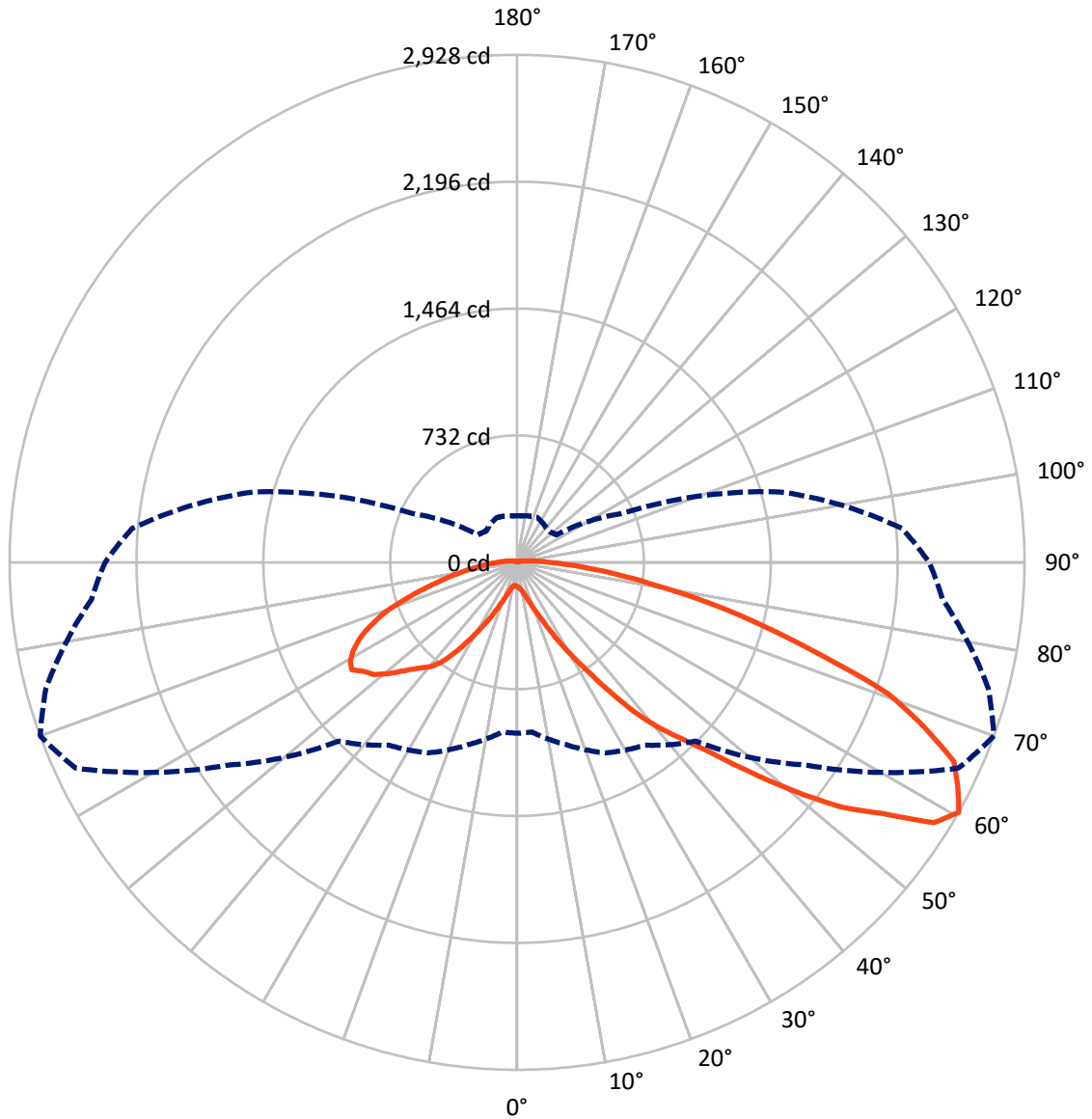
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Short - N/A

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CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T2U-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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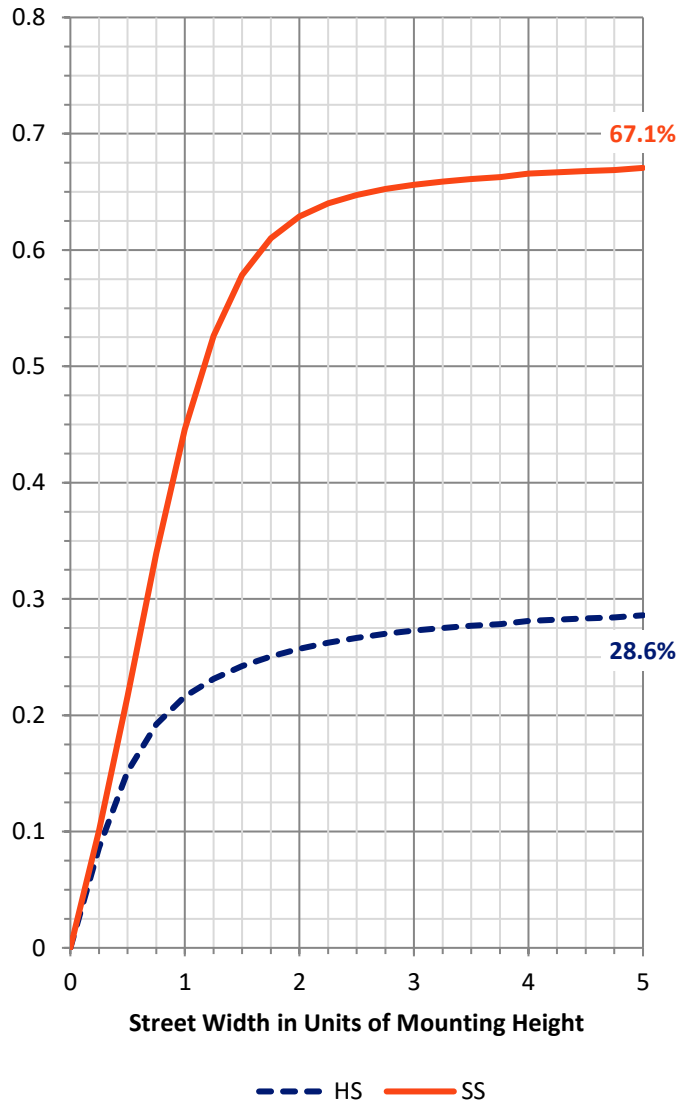
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1368.7	69.1	1437.8
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	3152.3	58.9	3211.2
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	4521.0	127.9	4649.0
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	0.3
10°-20°	59.3	1.3
20°-30°	187.9	4.0
30°-40°	462.3	9.9
40°-50°	800.1	17.2
50°-60°	1126.1	24.2
60°-70°	1047.1	22.5
70°-80°	597.1	12.8
80°-90°	227.2	4.9
90°-100°	67.7	1.5
100°-110°	27.5	0.6
110°-120°	14.7	0.3
120°-130°	9.2	0.2
130°-140°	6.0	0.1
140°-150°	2.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4521.0	97.2
0°-180°	4649.0	100.0

**Coefficient of Utilization**

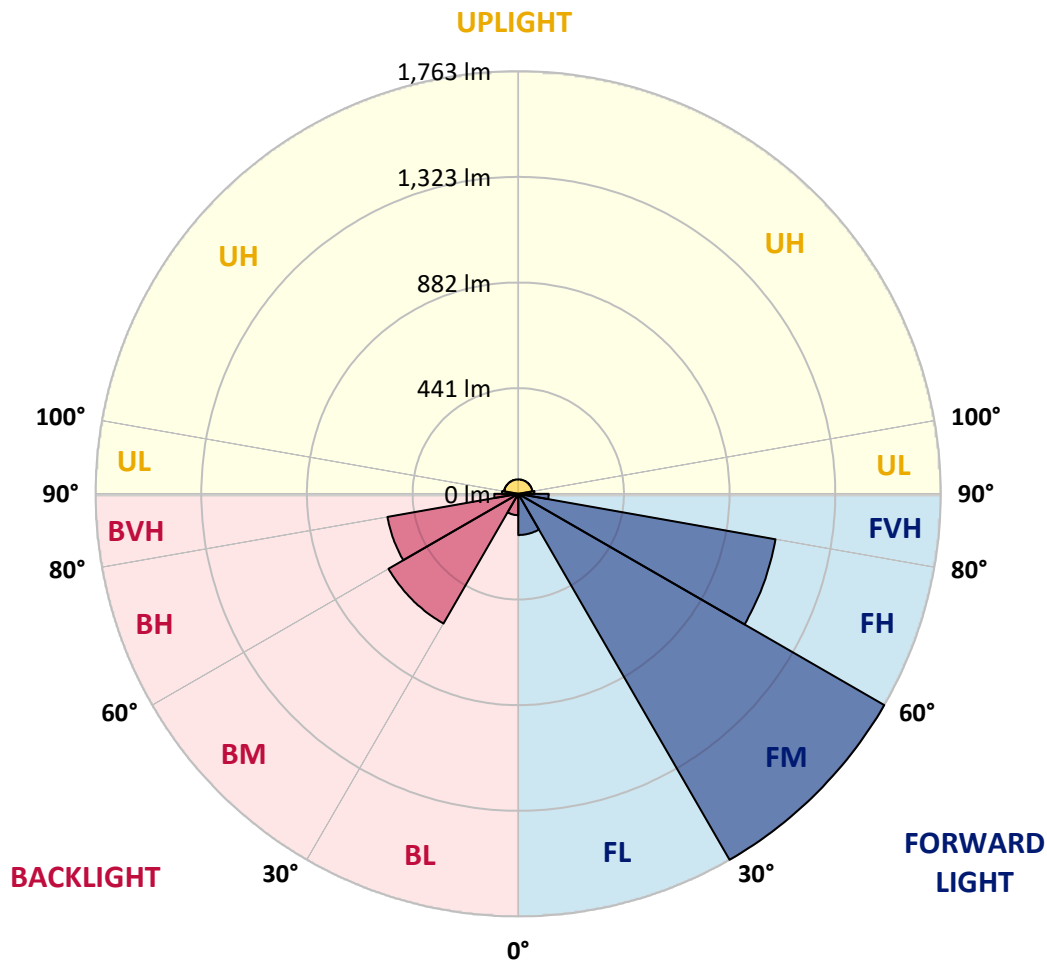


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 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T2U-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.0	3.7			
FM (30°-60°)	1763.4	37.9			
FH (60°-80°)	1090.0	23.4			G1/1800
FVH (80°-90°)	126.9	2.7			G2/225
BL (0°-30°)	89.2	1.9	B0/110		
BM (30°-60°)	625.1	13.4	B1/1000		
BH (60°-80°)	554.2	11.9	B2/1000		G2/1000
BVH (80°-90°)	100.3	2.2			G2/225
UL (90°-100°)	67.7	1.5		U3/500	
UH (100°-180°)	60.2	1.3		U3/500	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	150.4	148.7	148.7	148.7	148.7	147.1	145.5	143.8	143.8	142.2	140.6
5°	163.5	163.5	163.5	161.8	160.2	158.6	155.3	152.0	150.4	147.1	143.8
7.5°	184.7	181.4	181.4	179.8	174.9	171.6	166.7	160.2	158.6	155.3	150.4
10°	210.9	209.2	207.6	202.7	194.5	188.0	183.1	174.9	170.0	166.7	160.2
12.5°	251.7	251.7	246.8	237.0	225.6	214.1	204.3	194.5	189.6	184.7	178.2
15°	302.4	300.8	299.1	282.8	264.8	248.5	232.1	220.7	215.8	212.5	201.1
17.5°	369.4	371.0	361.2	335.1	308.9	291.0	271.3	256.6	250.1	245.2	235.4
20°	456.0	454.4	439.7	402.1	372.7	343.3	322.0	299.1	294.2	289.3	277.9
22.5°	568.8	565.6	536.1	490.4	446.2	405.4	377.6	361.2	351.4	344.9	335.1
25°	684.9	698.0	657.1	601.5	537.8	475.7	446.2	436.4	426.6	421.7	408.6
27.5°	868.0	869.6	810.8	720.8	635.9	572.1	534.5	518.2	518.2	511.6	495.3
30°	1062.5	1060.8	988.9	874.5	758.4	670.2	630.9	621.1	624.4	616.2	593.4
32.5°	1234.1	1230.8	1150.7	1038.0	884.3	776.4	738.8	742.1	745.4	751.9	733.9
35°	1420.4	1418.8	1324.0	1185.1	1018.3	897.4	871.2	902.3	903.9	913.7	872.9
37.5°	1487.5	1497.3	1438.4	1314.2	1137.7	1021.6	1023.2	1057.6	1087.0	1090.3	1033.1
40°	1538.1	1543.0	1489.1	1389.4	1245.5	1150.7	1191.6	1247.2	1248.8	1221.0	1127.9
42.5°	1654.2	1659.1	1583.9	1458.0	1324.0	1281.5	1340.4	1399.2	1387.8	1363.2	1247.2
45°	1729.4	1735.9	1686.9	1565.9	1402.5	1378.0	1485.8	1564.3	1562.7	1546.3	1386.1
47.5°	1806.2	1816.0	1765.3	1650.9	1492.4	1467.9	1646.0	1807.8	1806.2	1760.4	1570.8
50°	1783.3	1791.5	1794.8	1719.6	1556.1	1561.0	1814.4	2062.8	2075.9	2017.1	1796.4
52.5°	1644.4	1657.5	1704.9	1714.7	1601.9	1624.8	1977.8	2332.5	2348.9	2250.8	1971.3
55°	1464.6	1480.9	1543.0	1611.7	1574.1	1641.1	2113.5	2546.7	2556.5	2476.4	2195.2
57.5°	1224.3	1258.6	1338.7	1436.8	1459.7	1601.9	2115.1	2723.2	2834.4	2772.2	2438.8
60°	985.7	982.4	1088.6	1212.9	1288.0	1458.0	2040.0	2809.8	2927.5	2814.7	2464.9
62.5°	707.8	719.2	833.6	977.5	1070.6	1234.1	1865.1	2639.8	2854.0	2850.7	2602.3
65°	505.1	516.5	599.9	737.2	845.1	1023.2	1582.3	2473.1	2767.3	2793.5	2589.2
67.5°	359.6	364.5	428.3	536.1	630.9	781.3	1296.2	2236.1	2530.3	2608.8	2514.0
70°	269.7	274.6	313.8	393.9	461.0	570.5	1034.7	1896.1	2272.1	2386.5	2321.1
72.5°	207.6	214.1	240.3	300.8	340.0	407.0	773.2	1546.3	1837.3	1950.1	1922.3
75°	163.5	166.7	186.3	227.2	251.7	286.1	547.6	1190.0	1462.9	1624.8	1624.8
77.5°	130.8	135.7	148.7	178.2	199.4	212.5	376.0	854.9	1134.4	1297.9	1335.5
80°	104.6	107.9	119.3	140.6	155.3	163.5	253.4	593.4	814.0	1008.5	1118.1
82.5°	83.4	83.4	94.8	111.2	125.9	135.7	186.3	420.1	581.9	729.0	850.0
85°	67.0	68.7	75.2	86.6	101.3	114.4	143.8	287.7	397.2	488.7	588.4
87.5°	52.3	52.3	58.8	67.0	81.7	96.4	117.7	194.5	261.5	336.7	395.6
90°	37.6	39.2	42.5	49.0	63.7	78.5	93.2	135.7	173.3	210.9	250.1
92.5°	27.8	27.8	29.4	34.3	45.8	62.1	75.2	98.1	119.3	137.3	155.3
95°	21.2	21.2	22.9	24.5	32.7	47.4	57.2	71.9	83.4	96.4	104.6
97.5°	18.0	18.0	18.0	19.6	26.2	36.0	44.1	53.9	62.1	70.3	78.5
100°	16.3	16.3	16.3	16.3	21.2	31.1	34.3	42.5	47.4	53.9	58.8
102.5°	14.7	14.7	14.7	14.7	19.6	26.2	29.4	32.7	37.6	40.9	45.8
105°	13.1	13.1	13.1	13.1	16.3	21.2	24.5	27.8	29.4	31.1	34.3
107.5°	11.4	11.4	11.4	11.4	14.7	19.6	21.2	21.2	22.9	24.5	27.8
110°	9.8	9.8	9.8	11.4	13.1	16.3	18.0	18.0	18.0	19.6	22.9

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.8	9.8	9.8	9.8	11.4	14.7	14.7	14.7	16.3	16.3	19.6
115°	8.2	8.2	8.2	9.8	11.4	13.1	13.1	13.1	13.1	14.7	16.3
117.5°	8.2	8.2	8.2	8.2	11.4	13.1	13.1	11.4	11.4	13.1	14.7
120°	8.2	8.2	8.2	8.2	9.8	11.4	11.4	11.4	11.4	11.4	13.1
122.5°	8.2	8.2	8.2	8.2	9.8	9.8	9.8	9.8	9.8	9.8	11.4
125°	8.2	8.2	8.2	8.2	9.8	9.8	9.8	8.2	8.2	9.8	11.4
127.5°	9.8	9.8	8.2	8.2	8.2	9.8	8.2	8.2	8.2	8.2	9.8
130°	9.8	9.8	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	9.8
132.5°	9.8	9.8	8.2	8.2	8.2	8.2	8.2	6.5	6.5	8.2	9.8
135°	8.2	9.8	8.2	8.2	8.2	6.5	6.5	6.5	6.5	6.5	8.2
137.5°	8.2	8.2	8.2	6.5	6.5	6.5	4.9	4.9	4.9	6.5	6.5
140°	8.2	8.2	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5
142.5°	6.5	6.5	6.5	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9
145°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	4.9	4.9	4.9	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6
150°	4.9	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6
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: P695136

CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6	140.6
2.5°	140.6	138.9	137.3	137.3	135.7	134.0	132.4	132.4	132.4	132.4	132.4
5°	142.2	140.6	137.3	134.0	130.8	127.5	125.9	122.6	122.6	122.6	121.0
7.5°	147.1	143.8	138.9	132.4	127.5	122.6	117.7	116.1	114.4	112.8	112.8
10°	155.3	152.0	143.8	135.7	127.5	121.0	114.4	109.5	106.2	106.2	106.2
12.5°	171.6	166.7	155.3	142.2	130.8	121.0	112.8	107.9	106.2	106.2	107.9
15°	197.8	191.2	174.9	158.6	140.6	125.9	119.3	119.3	121.0	122.6	122.6
17.5°	228.8	220.7	202.7	179.8	158.6	143.8	137.3	138.9	142.2	143.8	143.8
20°	273.0	258.3	240.3	209.2	181.4	168.4	160.2	158.6	166.7	170.0	170.0
22.5°	323.6	315.5	286.1	246.8	214.1	194.5	183.1	179.8	188.0	191.2	191.2
25°	398.8	382.5	348.2	295.9	253.4	220.7	204.3	201.1	212.5	219.0	219.0
27.5°	485.5	461.0	418.5	351.4	292.6	245.2	223.9	223.9	235.4	245.2	246.8
30°	575.4	547.6	496.9	413.5	331.8	264.8	238.6	240.3	251.7	266.4	263.2
32.5°	706.1	666.9	591.7	483.8	367.8	281.1	246.8	253.4	271.3	291.0	287.7
35°	833.6	792.8	702.9	562.3	398.8	289.3	251.7	266.4	286.1	300.8	300.8
37.5°	969.3	918.6	804.2	630.9	431.5	294.2	255.0	269.7	289.3	299.1	299.1
40°	1059.2	1008.5	877.8	680.0	444.6	292.6	253.4	268.1	281.1	284.4	281.1
42.5°	1172.0	1096.8	935.0	702.9	438.1	284.4	248.5	259.9	264.8	263.2	263.2
45°	1306.0	1222.7	1016.7	711.0	418.5	271.3	241.9	250.1	256.6	258.3	258.3
47.5°	1485.8	1389.4	1123.0	724.1	393.9	258.3	238.6	251.7	258.3	253.4	253.4
50°	1693.4	1580.6	1245.5	735.6	369.4	248.5	240.3	256.6	258.3	253.4	251.7
52.5°	1858.5	1735.9	1351.8	748.6	344.9	243.6	246.8	263.2	261.5	253.4	251.7
55°	2077.6	1951.7	1446.6	719.2	322.0	245.2	253.4	269.7	264.8	251.7	251.7
57.5°	2335.8	2183.8	1572.5	702.9	295.9	250.1	261.5	276.2	268.1	256.6	255.0
60°	2376.7	2229.6	1569.2	662.0	276.2	253.4	268.1	282.8	276.2	268.1	268.1
62.5°	2515.6	2357.1	1543.0	590.1	261.5	253.4	273.0	291.0	292.6	287.7	286.1
65°	2497.6	2324.4	1476.0	518.2	248.5	250.1	276.2	300.8	302.4	304.0	304.0
67.5°	2432.3	2250.8	1360.0	454.4	233.7	245.2	276.2	299.1	307.3	313.8	313.8
70°	2232.8	2067.7	1212.9	390.7	219.0	232.1	263.2	289.3	297.5	305.7	307.3
72.5°	1868.3	1714.7	995.5	331.8	199.4	212.5	240.3	264.8	274.6	281.1	279.5
75°	1557.8	1433.5	809.1	263.2	178.2	188.0	210.9	232.1	238.6	243.6	243.6
77.5°	1286.4	1175.3	637.5	215.8	155.3	163.5	181.4	197.8	204.3	206.0	202.7
80°	1073.9	943.2	500.2	174.9	132.4	137.3	155.3	168.4	174.9	171.6	173.3
82.5°	830.4	722.5	379.2	147.1	116.1	117.7	130.8	142.2	147.1	143.8	142.2
85°	563.9	490.4	273.0	127.5	101.3	99.7	107.9	117.7	121.0	119.3	117.7
87.5°	372.7	323.6	197.8	109.5	88.3	86.6	91.5	99.7	103.0	101.3	98.1
90°	235.4	214.1	142.2	93.2	76.8	73.6	76.8	81.7	86.6	85.0	83.4
92.5°	150.4	135.7	104.6	76.8	65.4	62.1	62.1	65.4	68.7	65.4	62.1
95°	101.3	98.1	80.1	62.1	53.9	50.7	49.0	49.0	52.3	49.0	47.4
97.5°	78.5	75.2	65.4	49.0	42.5	40.9	39.2	39.2	42.5	39.2	37.6
100°	60.5	60.5	52.3	40.9	32.7	32.7	32.7	34.3	36.0	34.3	34.3
102.5°	47.4	47.4	44.1	34.3	27.8	27.8	27.8	29.4	32.7	31.1	31.1
105°	36.0	37.6	36.0	27.8	24.5	24.5	24.5	26.2	27.8	27.8	27.8
107.5°	29.4	31.1	29.4	24.5	21.2	21.2	21.2	22.9	24.5	26.2	26.2
110°	24.5	26.2	24.5	21.2	19.6	19.6	19.6	19.6	22.9	22.9	24.5

REPORT NUMBER: P695136  
 CATALOG NUMBER: LXF.LXT-PA16-40-740-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	21.2	21.2	18.0	18.0	18.0	16.3	18.0	19.6	21.2	21.2
115°	18.0	18.0	18.0	16.3	16.3	16.3	14.7	14.7	18.0	19.6	19.6
117.5°	16.3	16.3	16.3	14.7	14.7	14.7	13.1	13.1	14.7	18.0	18.0
120°	14.7	14.7	14.7	13.1	13.1	13.1	11.4	11.4	13.1	16.3	16.3
122.5°	13.1	13.1	13.1	11.4	11.4	11.4	11.4	11.4	13.1	14.7	14.7
125°	11.4	11.4	11.4	11.4	11.4	9.8	9.8	9.8	11.4	13.1	13.1
127.5°	11.4	11.4	11.4	9.8	9.8	9.8	9.8	9.8	9.8	11.4	13.1
130°	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2	9.8	11.4	11.4
132.5°	9.8	9.8	9.8	8.2	8.2	8.2	8.2	8.2	9.8	9.8	11.4
135°	8.2	9.8	8.2	8.2	8.2	6.5	6.5	6.5	8.2	9.8	9.8
137.5°	8.2	8.2	6.5	6.5	6.5	6.5	6.5	6.5	8.2	8.2	8.2
140°	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5	8.2	8.2
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
145°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	6.5	6.5
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	4.9	4.9
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)