

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: P695077

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-730-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4411.1 lumens  
Efficiency: N/A  
Efficacy: 109.7 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

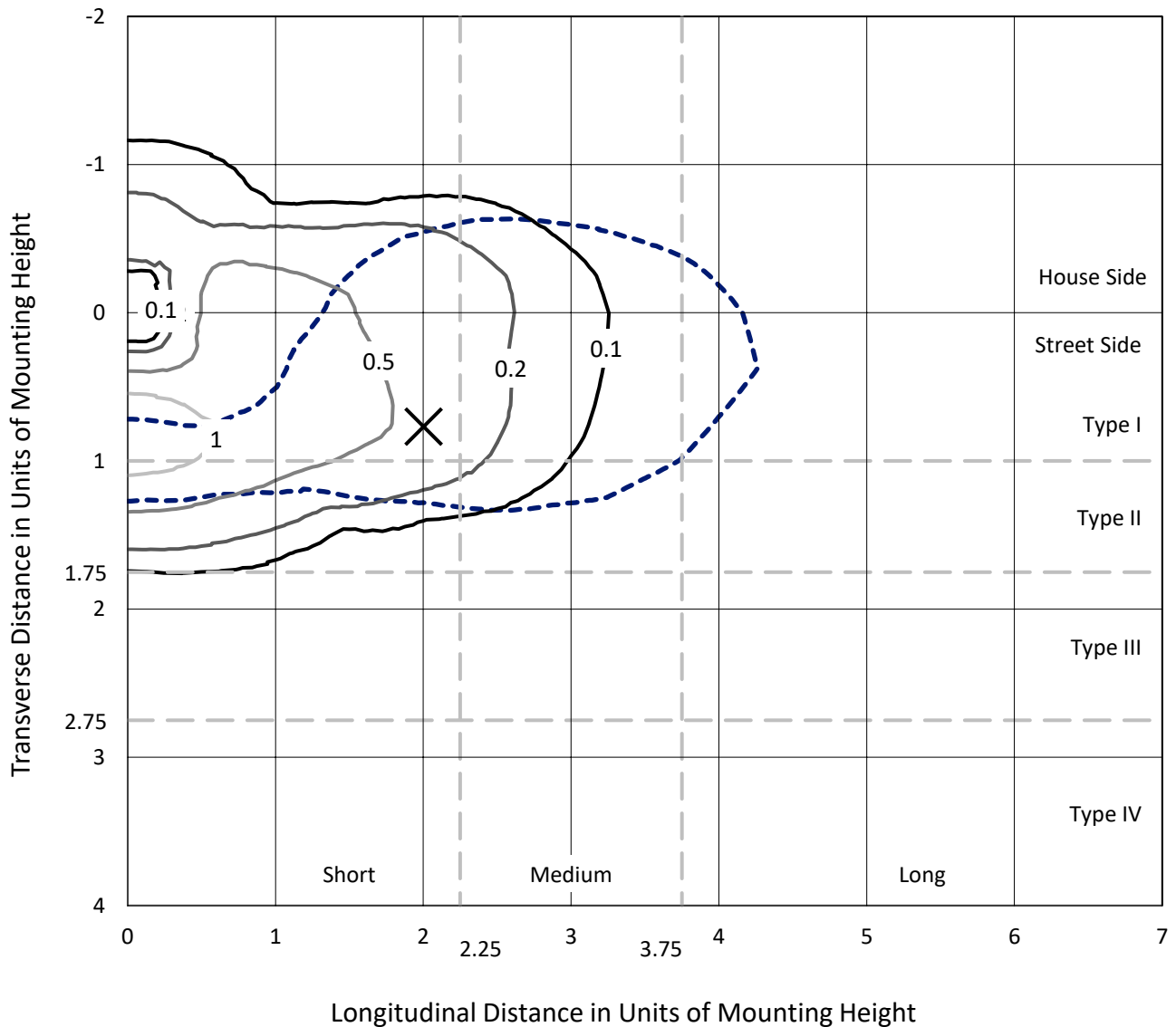
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

### Iso-Footcandle Lines of Horizontal Illumination

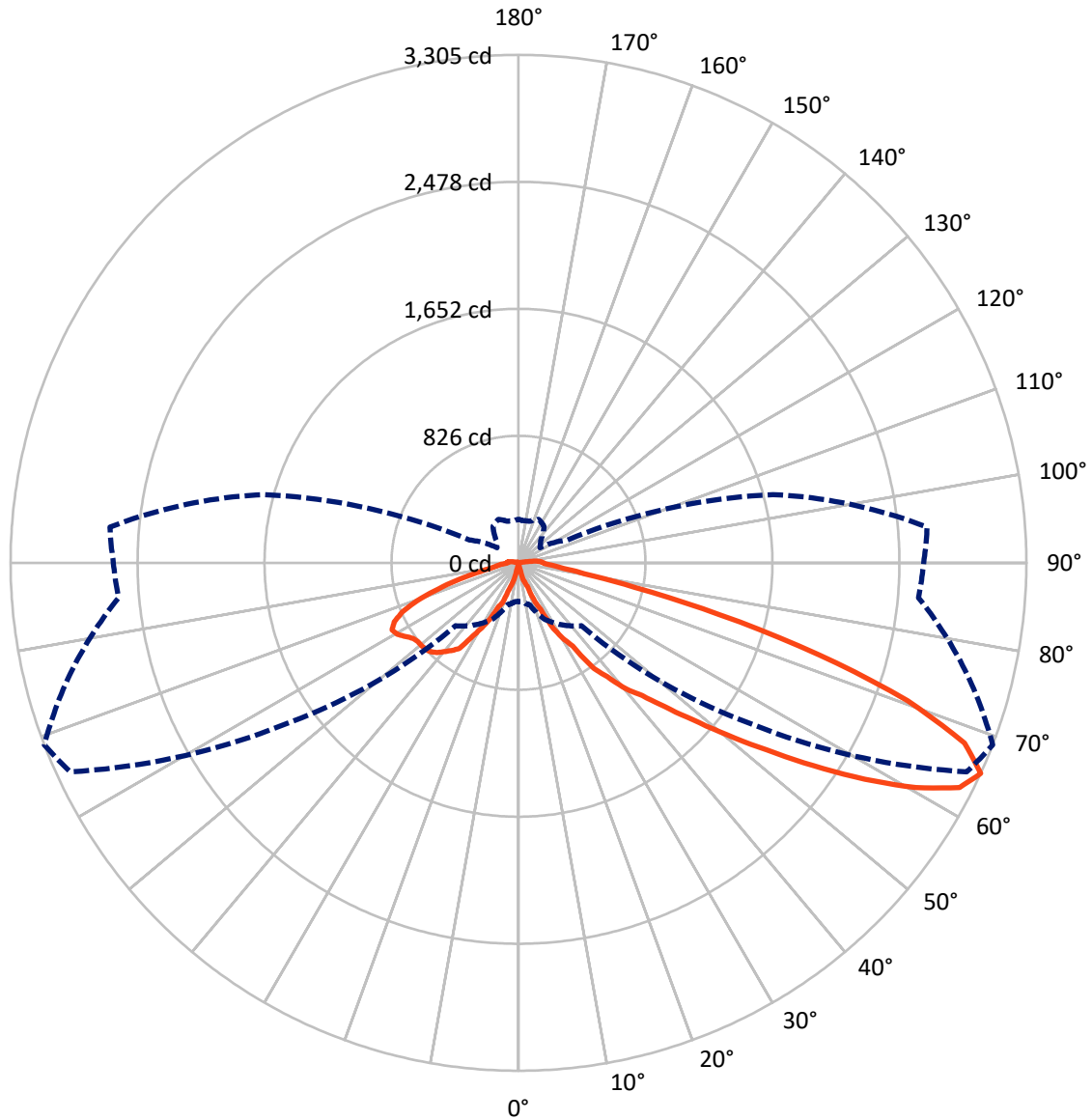
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P695077  
CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

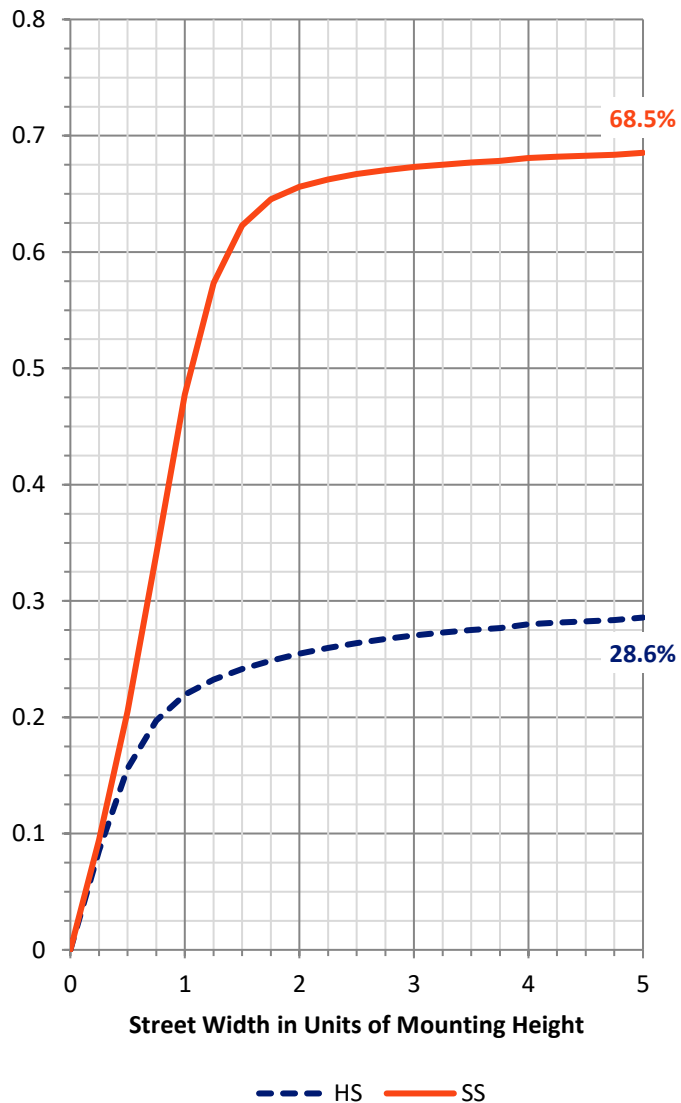
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1293.1	37.9	1331.0
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	3047.2	32.8	3080.0
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	4340.4	70.7	4411.1
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	26.6	0.6
20°-30°	169.9	3.9
30°-40°	466.1	10.6
40°-50°	831.0	18.8
50°-60°	1078.7	24.5
60°-70°	1031.5	23.4
70°-80°	594.5	13.5
80°-90°	141.8	3.2
90°-100°	50.1	1.1
100°-110°	9.1	0.2
110°-120°	4.3	0.1
120°-130°	3.5	0.1
130°-140°	2.1	0.0
140°-150°	1.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4340.4	98.4
0°-180°	4411.1	100.0

**Coefficient of Utilization**

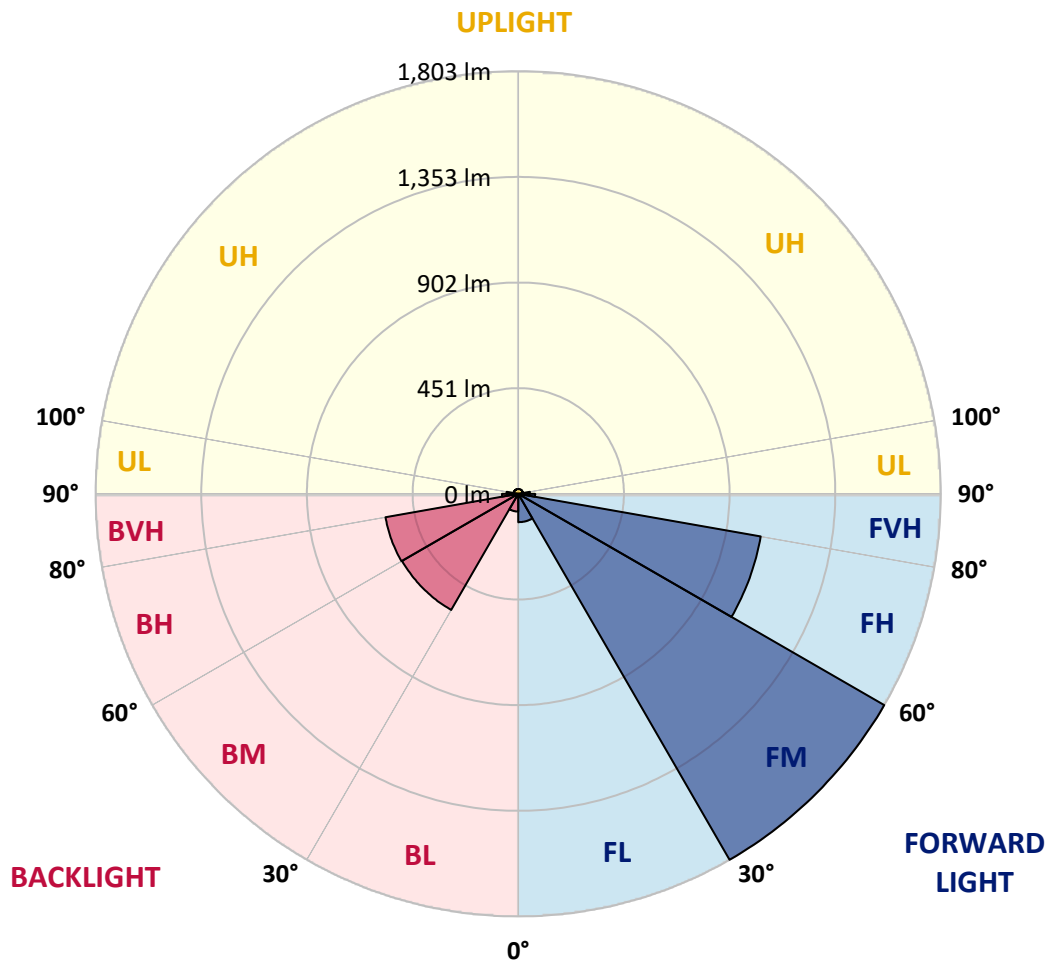


REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	121.1	2.7			
FM (30°-60°)	1803.4	40.9			
FH (60°-80°)	1050.6	23.8			G1/1800
FVH (80°-90°)	72.2	1.6			G1/100
BL (0°-30°)	75.7	1.7	B0/110		
BM (30°-60°)	572.4	13.0	B1/1000		
BH (60°-80°)	575.4	13.0	B2/1000		G2/1000
BVH (80°-90°)	69.6	1.6			G1/100
UL (90°-100°)	50.1	1.1		U3/500	
UH (100°-180°)	20.6	0.5		U2/50	

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



REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	1.5	1.5
5°	3.0	3.0	3.0	4.5	3.0	3.0	3.0	3.0	3.0	1.5	1.5
7.5°	6.0	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	1.5	1.5
10°	25.4	20.9	16.4	11.9	7.5	4.5	4.5	3.0	3.0	3.0	3.0
12.5°	110.5	106.0	104.5	98.5	32.8	11.9	7.5	11.9	14.9	20.9	25.4
15°	129.9	128.4	125.4	116.4	110.5	82.1	26.9	101.5	110.5	116.4	117.9
17.5°	237.3	216.4	167.2	144.8	128.4	117.9	111.9	129.9	132.8	135.8	140.3
20°	320.9	320.9	307.5	270.2	164.2	195.5	192.5	155.2	162.7	201.5	253.7
22.5°	401.5	397.0	371.7	343.3	337.3	234.3	223.9	271.7	276.1	301.5	301.5
25°	661.2	661.2	586.6	432.9	404.5	340.3	344.8	347.8	337.3	343.3	358.2
27.5°	785.1	774.7	746.3	659.7	501.5	473.2	409.0	407.5	485.1	501.5	512.0
30°	1122.4	1118.0	958.3	777.6	677.6	547.8	558.2	570.2	570.2	571.7	555.3
32.5°	1356.8	1362.8	1280.7	1034.4	795.6	673.2	676.2	631.4	646.3	749.3	756.8
35°	1585.2	1597.1	1483.7	1258.3	1026.9	834.4	756.8	812.0	843.3	841.8	822.4
37.5°	1816.5	1807.5	1707.5	1453.8	1203.0	959.7	922.4	955.3	940.3	959.7	898.6
40°	1979.2	1977.7	1888.2	1659.8	1382.2	1132.9	1040.3	1070.2	1080.6	1073.2	994.1
42.5°	2091.1	2080.7	2043.4	1871.7	1616.5	1362.8	1195.6	1216.5	1180.7	1209.0	1109.0
45°	2137.4	2124.0	2118.0	1988.2	1819.5	1713.5	1416.5	1374.7	1334.4	1391.1	1243.3
47.5°	2074.7	2056.8	2091.1	2050.8	1979.2	1959.8	1674.7	1529.9	1524.0	1567.2	1410.5
50°	1871.7	1840.4	1932.9	2004.6	2055.3	2130.0	1964.3	1777.7	1758.3	1761.3	1567.2
52.5°	1549.3	1550.8	1661.3	1791.1	2025.5	2159.8	2241.9	2089.7	2022.5	1989.6	1725.5
55°	1237.4	1247.8	1331.4	1446.3	1779.2	2130.0	2453.8	2441.9	2328.5	2210.6	1894.1
57.5°	889.6	912.0	1040.3	1119.5	1440.4	1921.0	2559.8	2755.4	2656.8	2438.9	2074.7
60°	509.0	535.8	676.2	855.3	1103.0	1531.4	2507.6	3077.8	2970.3	2679.2	2255.3
62.5°	323.9	331.4	392.6	580.6	720.9	1007.5	2286.7	3273.3	3219.6	2900.1	2450.9
65°	250.8	253.7	283.6	406.0	492.6	579.1	1798.6	3218.1	3304.6	3052.4	2612.1
67.5°	229.9	229.9	238.8	291.1	373.2	365.7	1162.7	2882.2	3130.0	3073.3	2665.8
70°	214.9	217.9	228.4	235.8	294.0	276.1	625.4	2280.7	2686.7	2868.8	2647.9
72.5°	188.1	191.1	204.5	223.9	228.4	223.9	349.3	1516.5	2041.9	2409.1	2503.1
75°	159.7	161.2	170.2	201.5	200.0	180.6	289.6	906.0	1352.3	1767.2	2122.5
77.5°	131.3	135.8	146.3	162.7	182.1	143.3	258.2	532.9	771.7	1112.0	1471.7
80°	97.0	100.0	110.5	134.3	146.3	123.9	213.4	346.3	432.9	576.1	709.0
82.5°	70.2	71.6	80.6	97.0	104.5	106.0	167.2	279.1	297.0	317.9	319.4
85°	43.3	41.8	43.3	50.7	64.2	68.7	120.9	222.4	223.9	216.4	213.4
87.5°	19.4	19.4	14.9	17.9	20.9	20.9	62.7	176.1	176.1	167.2	173.1
90°	20.9	20.9	14.9	14.9	16.4	14.9	35.8	149.3	158.2	158.2	174.6
92.5°	22.4	20.9	16.4	14.9	14.9	13.4	22.4	119.4	143.3	158.2	180.6
95°	20.9	20.9	14.9	13.4	13.4	11.9	17.9	82.1	114.9	128.4	153.7
97.5°	14.9	14.9	10.4	10.4	11.9	10.4	13.4	34.3	44.8	58.2	77.6
100°	10.4	10.4	7.5	7.5	7.5	7.5	9.0	14.9	17.9	14.9	17.9
102.5°	9.0	10.4	6.0	6.0	6.0	4.5	6.0	7.5	9.0	10.4	13.4
105°	9.0	9.0	4.5	4.5	4.5	4.5	3.0	6.0	6.0	7.5	13.4
107.5°	6.0	6.0	4.5	4.5	3.0	3.0	3.0	4.5	6.0	7.5	13.4
110°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	4.5	6.0	6.0	10.4

REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	3.0	3.0	3.0	1.5	1.5	3.0	3.0	4.5	4.5	4.5	7.5
115°	3.0	3.0	1.5	1.5	1.5	1.5	3.0	3.0	4.5	4.5	7.5
117.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
120°	4.5	3.0	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
122.5°	4.5	4.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	7.5
125°	4.5	4.5	3.0	1.5	1.5	1.5	1.5	3.0	3.0	4.5	6.0
127.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	6.0
130°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	6.0
132.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5
135°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
137.5°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
140°	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
142.5°	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
145°	3.0	4.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
147.5°	4.5	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
150°	4.5	4.5	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
5°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0
7.5°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	3.0
10°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
12.5°	23.9	22.4	19.4	10.4	4.5	3.0	3.0	3.0	4.5	6.0	6.0
15°	120.9	122.4	119.4	107.5	26.9	7.5	4.5	13.4	50.7	88.1	61.2
17.5°	140.3	141.8	138.8	135.8	123.9	55.2	35.8	117.9	122.4	131.3	128.4
20°	258.2	255.2	213.4	158.2	143.3	132.8	111.9	135.8	143.3	146.3	146.3
22.5°	300.0	298.5	292.6	276.1	170.2	198.5	177.6	149.3	244.8	256.7	255.2
25°	347.8	338.8	322.4	307.5	294.0	217.9	219.4	237.3	250.8	252.3	252.3
27.5°	498.5	486.6	459.7	382.1	344.8	271.7	274.6	243.3	244.8	294.0	303.0
30°	541.8	522.4	494.1	479.1	397.0	319.4	262.7	279.1	288.1	286.6	289.6
32.5°	722.4	694.1	595.6	535.8	437.3	309.0	274.6	270.2	270.2	294.0	297.0
35°	779.1	737.3	683.6	668.7	444.8	303.0	259.7	264.2	298.5	303.0	301.5
37.5°	846.3	788.1	734.4	698.5	465.7	280.6	246.3	265.7	276.1	276.1	274.6
40°	920.9	862.7	807.5	707.5	443.3	258.2	247.8	252.3	259.7	255.2	253.7
42.5°	1029.9	952.3	903.0	707.5	386.6	244.8	241.8	241.8	247.8	243.3	241.8
45°	1162.7	1073.2	983.6	697.0	328.4	237.3	238.8	237.3	243.3	237.3	235.8
47.5°	1303.0	1210.5	1056.8	671.7	283.6	231.4	243.3	235.8	237.3	228.4	226.9
50°	1462.8	1362.8	1132.9	626.9	258.2	231.4	241.8	237.3	232.8	223.9	222.4
52.5°	1624.0	1522.5	1222.4	571.7	240.3	226.9	243.3	241.8	235.8	222.4	222.4
55°	1789.6	1719.5	1325.4	523.9	220.9	225.4	250.8	250.8	238.8	220.9	219.4
57.5°	1967.3	1919.5	1438.9	506.0	203.0	216.4	262.7	265.7	243.3	219.4	219.4
60°	2174.7	2194.1	1559.8	485.1	191.1	209.0	268.7	279.1	249.3	219.4	219.4
62.5°	2433.0	2488.2	1673.2	437.3	180.6	198.5	274.6	294.0	267.2	244.8	246.3
65°	2635.9	2668.8	1713.5	350.8	170.2	203.0	289.6	312.0	279.1	276.1	283.6
67.5°	2747.9	2733.0	1652.3	267.2	158.2	200.0	285.1	323.9	292.6	300.0	304.5
70°	2744.9	2635.9	1449.3	206.0	147.8	197.0	289.6	319.4	300.0	320.9	334.3
72.5°	2553.9	2306.1	1098.6	179.1	147.8	194.0	282.1	307.5	301.5	322.4	332.9
75°	2052.3	1752.3	753.8	156.7	140.3	185.1	268.7	286.6	274.6	292.6	298.5
77.5°	1359.8	1152.3	420.9	141.8	138.8	170.2	244.8	253.7	240.3	252.3	256.7
80°	637.3	531.4	234.3	131.3	134.3	150.8	201.5	214.9	194.0	206.0	206.0
82.5°	292.6	270.2	177.6	119.4	120.9	114.9	156.7	177.6	158.2	164.2	158.2
85°	197.0	198.5	141.8	101.5	98.5	82.1	123.9	137.3	119.4	123.9	104.5
87.5°	171.7	176.1	113.4	65.7	56.7	50.7	80.6	83.6	61.2	50.7	49.3
90°	176.1	177.6	104.5	49.3	34.3	26.9	43.3	41.8	26.9	23.9	23.9
92.5°	182.1	182.1	106.0	52.2	34.3	25.4	38.8	31.3	23.9	20.9	20.9
95°	165.7	156.7	92.5	52.2	32.8	22.4	31.3	26.9	20.9	20.9	19.4
97.5°	101.5	92.5	68.7	52.2	26.9	19.4	23.9	20.9	14.9	13.4	13.4
100°	28.4	23.9	43.3	41.8	19.4	13.4	16.4	13.4	9.0	7.5	6.0
102.5°	13.4	13.4	22.4	26.9	10.4	7.5	9.0	9.0	7.5	7.5	6.0
105°	13.4	13.4	10.4	11.9	6.0	4.5	4.5	6.0	6.0	7.5	7.5
107.5°	13.4	14.9	9.0	6.0	6.0	4.5	3.0	4.5	6.0	7.5	9.0
110°	11.9	11.9	7.5	6.0	4.5	4.5	3.0	4.5	6.0	9.0	9.0

REPORT NUMBER: P695077  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.0	9.0	6.0	6.0	4.5	4.5	3.0	3.0	6.0	9.0	10.4
115°	7.5	7.5	6.0	4.5	3.0	3.0	3.0	3.0	6.0	10.4	11.9
117.5°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	3.0	6.0	11.9	11.9
120°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	4.5	7.5	11.9	13.4
122.5°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	4.5	7.5	11.9	13.4
125°	7.5	7.5	4.5	3.0	3.0	3.0	3.0	4.5	7.5	11.9	11.9
127.5°	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	6.0	10.4	11.9
130°	6.0	6.0	4.5	3.0	3.0	3.0	3.0	3.0	6.0	10.4	10.4
132.5°	4.5	4.5	3.0	3.0	3.0	1.5	3.0	3.0	6.0	9.0	9.0
135°	3.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	4.5	6.0	7.5
137.5°	3.0	3.0	1.5	1.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5
140°	1.5	1.5	1.5	1.5	3.0	3.0	3.0	3.0	3.0	4.5	4.5
142.5°	1.5	1.5	1.5	1.5	3.0	1.5	3.0	3.0	3.0	4.5	4.5
145°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	4.5	4.5
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5	4.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	4.5
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)