

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: P695084

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695084  
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-PA16-40-730-U-T3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 740mA 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: 4099 lumens  
Efficiency: N/A  
Efficacy: 102.0 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

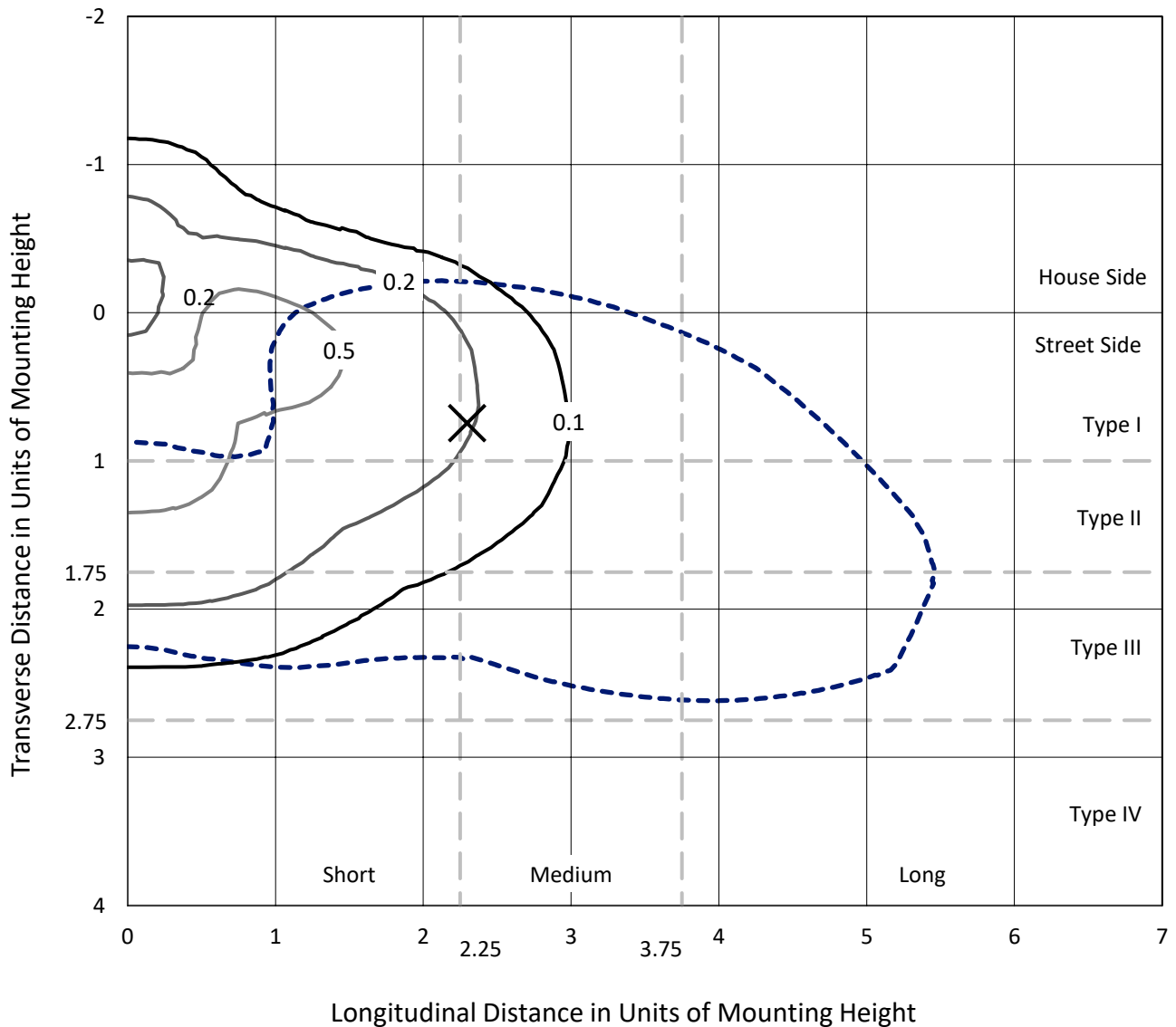
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

### Iso-Footcandle Lines of Horizontal Illumination

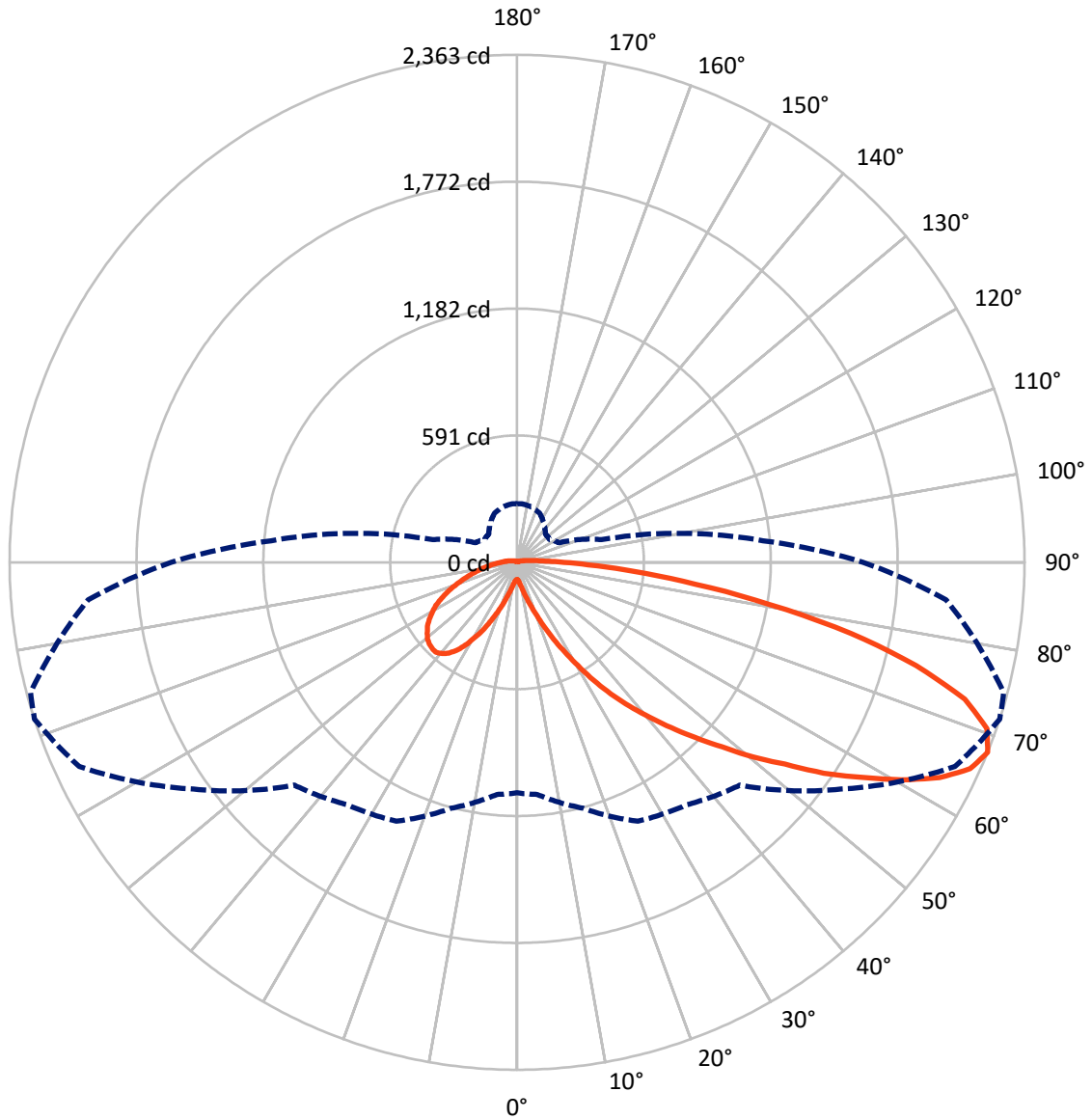
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P695084  
CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

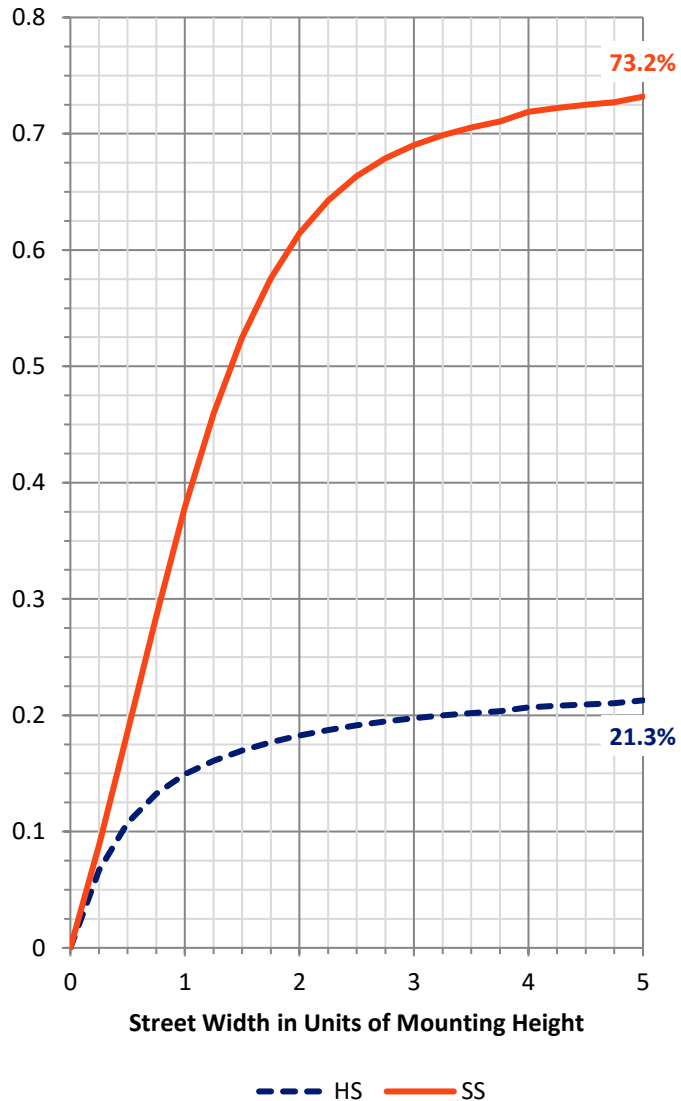
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	915.6	68.8	984.3
	% Fixture	22.3	1.7	24.0
<b>Street Side</b>	Lumens	3051.3	63.3	3114.7
	% Fixture	74.4	1.5	76.0
<b>Total</b>	Lumens	3966.9	132.1	4099.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.2	0.2
10°-20°	48.3	1.2
20°-30°	155.2	3.8
30°-40°	347.0	8.5
40°-50°	578.4	14.1
50°-60°	842.0	20.5
60°-70°	1009.1	24.6
70°-80°	724.5	17.7
80°-90°	253.2	6.2
90°-100°	69.3	1.7
100°-110°	29.7	0.7
110°-120°	15.3	0.4
120°-130°	9.1	0.2
130°-140°	5.6	0.1
140°-150°	2.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3966.9	96.8
0°-180°	4099.0	100.0

**Coefficient of Utilization**

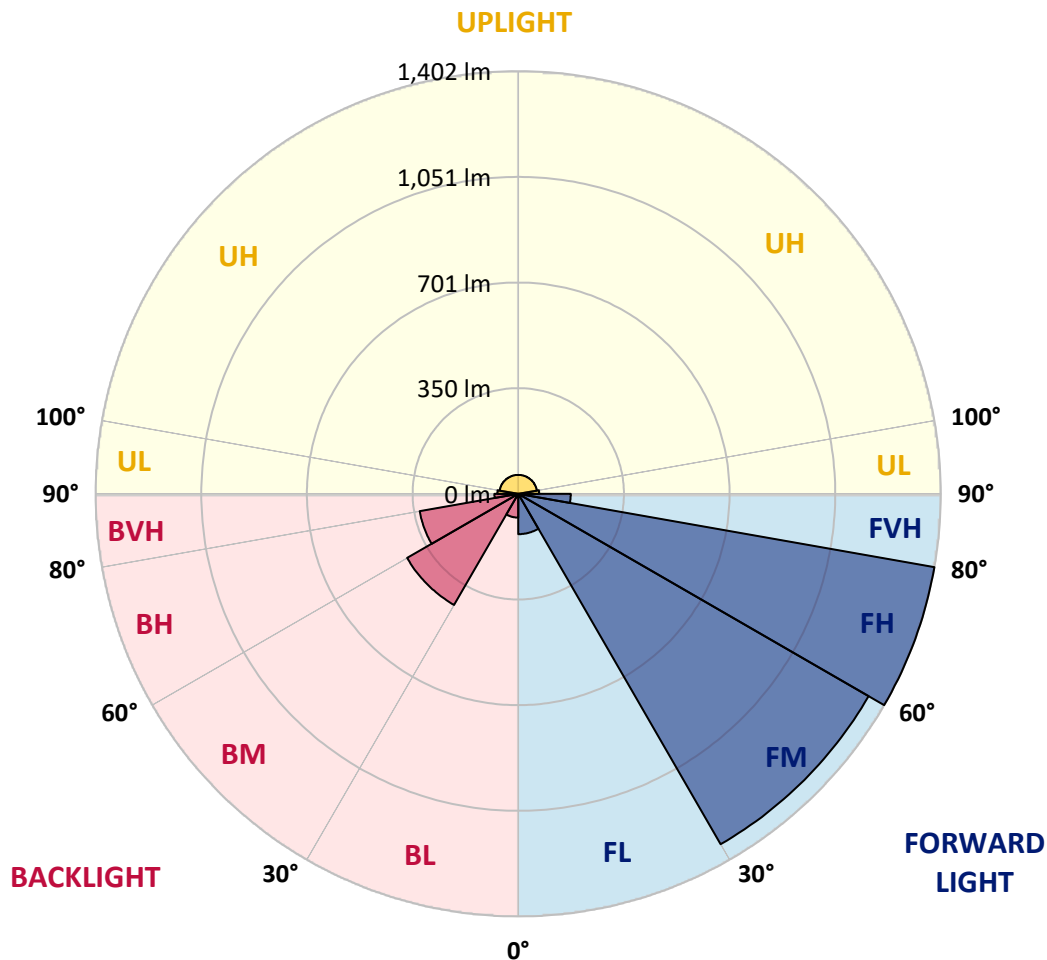


REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.7	3.3			
FM (30°-60°)	1341.9	32.7			
FH (60°-80°)	1401.7	34.2			G1/1800
FVH (80°-90°)	174.1	4.2			G2/225
BL (0°-30°)	78.9	1.9	B0/110		
BM (30°-60°)	425.6	10.4	B1/1000		
BH (60°-80°)	332.0	8.1	B1/500		G1/500
BVH (80°-90°)	79.1	1.9			G1/100
UL (90°-100°)	69.3	1.7		U3/500	
UH (100°-180°)	62.8	1.5		U3/500	

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



REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2.5°	85.1	85.1	85.1	86.6	85.1	85.1	85.1	83.6	83.6	83.6	82.1
5°	98.5	98.5	97.0	97.0	95.5	95.5	94.0	92.6	91.1	89.6	88.1
7.5°	114.9	114.9	113.4	113.4	112.0	109.0	107.5	104.5	103.0	101.5	100.0
10°	140.3	138.8	138.8	137.3	134.3	131.4	128.4	123.9	120.9	119.4	116.4
12.5°	173.2	171.7	170.2	164.2	161.2	156.7	152.3	149.3	146.3	143.3	138.8
15°	215.0	213.5	209.0	204.5	194.1	189.6	183.6	182.1	179.1	177.6	170.2
17.5°	265.7	261.2	258.2	247.8	237.3	226.9	223.9	220.9	219.4	217.9	213.5
20°	328.4	323.9	318.0	298.5	286.6	274.7	267.2	268.7	267.2	267.2	262.7
22.5°	404.5	406.0	389.6	364.2	337.4	322.4	319.4	323.9	326.9	329.9	320.9
25°	497.1	495.6	470.2	435.9	401.5	380.6	377.7	386.6	397.1	403.0	395.6
27.5°	600.1	592.6	567.2	516.5	473.2	441.9	443.3	462.8	473.2	477.7	471.7
30°	707.6	704.6	667.3	606.1	543.4	504.5	510.5	538.9	558.3	568.7	553.8
32.5°	824.0	815.0	771.7	700.1	618.0	570.2	583.7	624.0	655.3	656.8	649.3
35°	934.5	934.5	883.7	797.1	695.6	638.9	655.3	721.0	752.3	761.3	744.9
37.5°	1043.4	1036.0	992.7	885.2	773.2	706.1	728.5	806.1	849.4	858.3	837.4
40°	1134.5	1133.0	1083.7	982.2	843.4	771.7	801.6	897.1	947.9	962.8	928.5
42.5°	1227.0	1221.1	1182.3	1067.3	927.0	838.9	879.2	995.7	1052.4	1061.3	1025.5
45°	1295.7	1291.2	1262.9	1156.9	1006.1	910.6	961.3	1094.2	1164.3	1173.3	1118.1
47.5°	1361.4	1361.4	1337.5	1249.4	1088.2	991.2	1055.4	1210.6	1283.8	1298.7	1236.0
50°	1425.6	1419.6	1413.6	1337.5	1171.8	1080.7	1147.9	1333.0	1424.1	1439.0	1352.4
52.5°	1462.9	1471.8	1479.3	1427.1	1265.8	1165.8	1259.9	1465.9	1561.4	1582.3	1488.3
55°	1497.2	1492.7	1527.1	1492.7	1346.5	1259.9	1385.3	1618.1	1733.1	1740.5	1634.6
57.5°	1495.7	1500.2	1551.0	1553.9	1425.6	1346.5	1503.2	1768.9	1888.3	1913.7	1768.9
60°	1459.9	1471.8	1537.5	1568.9	1488.3	1424.1	1625.6	1927.1	2057.0	2082.4	1901.8
62.5°	1386.8	1391.2	1485.3	1553.9	1506.2	1483.8	1734.6	2073.4	2207.8	2206.3	2003.3
65°	1249.4	1256.9	1356.9	1468.9	1473.3	1498.7	1809.2	2192.8	2318.2	2309.3	2036.1
67.5°	1073.3	1085.2	1185.2	1330.0	1377.8	1467.4	1840.6	2249.6	2363.0	2345.1	2004.8
70°	852.4	882.2	961.3	1113.6	1236.0	1367.4	1798.8	2234.6	2321.2	2297.3	1876.4
72.5°	627.0	640.4	724.0	873.3	1024.0	1219.6	1662.9	2110.7	2180.9	2124.2	1674.9
75°	440.4	444.8	515.0	643.4	806.1	1018.1	1458.4	1870.4	1919.7	1864.4	1397.2
77.5°	271.7	280.6	335.9	441.9	592.6	812.1	1186.7	1558.4	1589.8	1518.1	1089.7
80°	167.2	173.2	212.0	292.6	412.0	592.6	918.0	1183.7	1194.2	1144.9	779.2
82.5°	107.5	113.4	138.8	188.1	274.7	413.5	646.4	843.4	837.4	785.2	525.4
85°	70.2	74.6	91.1	125.4	182.1	285.1	431.4	559.8	546.3	507.5	341.8
87.5°	46.3	49.3	64.2	88.1	125.4	189.6	277.7	338.9	331.4	306.0	213.5
90°	31.3	32.8	44.8	61.2	88.1	129.9	179.1	204.5	191.1	180.6	138.8
92.5°	22.4	25.4	32.8	46.3	67.2	92.6	116.4	126.9	119.4	114.9	94.0
95°	17.9	17.9	26.9	37.3	52.2	70.2	82.1	82.1	77.6	76.1	68.7
97.5°	14.9	14.9	22.4	31.3	43.3	55.2	59.7	58.2	55.2	56.7	52.2
100°	11.9	13.4	19.4	26.9	35.8	44.8	46.3	43.3	41.8	41.8	40.3
102.5°	10.4	11.9	17.9	23.9	31.3	37.3	38.8	35.8	32.8	32.8	31.3
105°	10.4	10.4	14.9	20.9	26.9	31.3	31.3	28.4	26.9	25.4	23.9
107.5°	9.0	9.0	13.4	19.4	23.9	26.9	26.9	23.9	20.9	20.9	19.4
110°	7.5	9.0	11.9	16.4	20.9	23.9	23.9	20.9	17.9	16.4	16.4

REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.5	7.5	10.4	14.9	17.9	20.9	19.4	16.4	14.9	13.4	13.4
115°	7.5	7.5	9.0	13.4	16.4	17.9	17.9	14.9	11.9	11.9	11.9
117.5°	7.5	7.5	9.0	11.9	14.9	16.4	14.9	13.4	10.4	10.4	10.4
120°	7.5	7.5	9.0	10.4	13.4	14.9	13.4	11.9	9.0	9.0	10.4
122.5°	6.0	7.5	7.5	10.4	11.9	13.4	11.9	10.4	9.0	9.0	9.0
125°	6.0	7.5	7.5	9.0	10.4	11.9	10.4	9.0	7.5	7.5	9.0
127.5°	6.0	6.0	7.5	9.0	10.4	10.4	10.4	9.0	7.5	7.5	9.0
130°	6.0	7.5	7.5	7.5	9.0	10.4	9.0	7.5	7.5	7.5	7.5
132.5°	6.0	6.0	7.5	7.5	9.0	9.0	7.5	7.5	6.0	6.0	7.5
135°	6.0	6.0	6.0	7.5	7.5	7.5	7.5	6.0	6.0	6.0	7.5
137.5°	6.0	6.0	6.0	6.0	7.5	7.5	6.0	6.0	6.0	6.0	6.0
140°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	6.0	6.0	6.0
142.5°	6.0	6.0	6.0	4.5	6.0	4.5	4.5	4.5	4.5	4.5	6.0
145°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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



REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2.5°	80.6	80.6	80.6	79.1	79.1	79.1	77.6	77.6	77.6	77.6	77.6
5°	88.1	86.6	85.1	83.6	80.6	80.6	79.1	79.1	77.6	77.6	77.6
7.5°	98.5	97.0	94.0	91.1	88.1	85.1	83.6	82.1	80.6	80.6	80.6
10°	113.4	112.0	106.0	101.5	97.0	94.0	91.1	89.6	88.1	86.6	86.6
12.5°	135.8	134.3	126.9	117.9	110.5	104.5	100.0	98.5	97.0	95.5	97.0
15°	167.2	164.2	153.8	138.8	128.4	117.9	113.4	112.0	113.4	113.4	112.0
17.5°	209.0	201.5	185.1	165.7	149.3	135.8	129.9	129.9	129.9	131.4	131.4
20°	256.8	249.3	225.4	198.5	171.7	155.2	147.8	147.8	149.3	150.8	153.8
22.5°	313.5	301.5	270.2	231.4	197.0	174.7	165.7	165.7	170.2	174.7	174.7
25°	383.6	368.7	322.4	265.7	222.4	194.1	182.1	183.6	191.1	195.5	197.0
27.5°	459.8	440.4	379.2	306.0	244.8	209.0	197.0	200.0	209.0	216.4	216.4
30°	546.3	513.5	431.4	340.3	264.2	220.9	209.0	215.0	225.4	234.4	235.9
32.5°	625.5	592.6	491.1	373.2	280.6	228.4	216.4	225.4	237.3	247.8	247.8
35°	713.5	671.7	540.4	398.6	289.6	232.9	220.9	232.9	246.3	255.3	255.3
37.5°	798.6	740.4	579.2	413.5	292.6	232.9	222.4	237.3	249.3	256.8	258.2
40°	876.2	807.6	607.5	418.0	289.6	229.9	222.4	237.3	249.3	253.8	255.3
42.5°	959.8	864.3	628.4	413.5	282.1	225.4	220.9	235.9	246.3	247.8	249.3
45°	1043.4	927.0	634.4	398.6	271.7	219.4	216.4	231.4	240.3	240.3	240.3
47.5°	1134.5	988.2	634.4	380.6	258.2	213.5	213.5	228.4	234.4	232.9	232.9
50°	1230.0	1046.4	629.9	359.8	246.3	207.5	209.0	225.4	231.4	226.9	226.9
52.5°	1330.0	1109.1	615.0	334.4	232.9	201.5	207.5	223.9	229.9	225.4	225.4
55°	1450.9	1170.3	598.6	310.5	220.9	197.0	206.0	223.9	229.9	225.4	225.4
57.5°	1536.0	1224.0	573.2	288.1	212.0	194.1	206.0	226.9	232.9	229.9	229.9
60°	1634.6	1259.9	540.4	265.7	203.0	191.1	209.0	229.9	238.8	238.8	238.8
62.5°	1688.3	1268.8	506.0	246.3	197.0	189.6	212.0	235.9	247.8	249.3	250.8
65°	1688.3	1230.0	458.3	229.9	191.1	188.1	215.0	243.3	258.2	262.7	264.2
67.5°	1612.2	1149.4	407.5	215.0	185.1	186.6	217.9	250.8	265.7	273.2	273.2
70°	1486.8	1022.5	353.8	200.0	179.1	185.1	219.4	253.8	270.2	277.7	277.7
72.5°	1280.8	874.7	303.0	188.1	173.2	182.1	217.9	253.8	268.7	274.7	273.2
75°	1037.5	698.6	253.8	174.7	165.7	174.7	210.5	246.3	258.2	261.2	261.2
77.5°	807.6	532.9	213.5	159.7	155.2	165.7	200.0	231.4	241.8	243.3	241.8
80°	574.7	385.1	179.1	146.3	143.3	152.3	182.1	209.0	217.9	219.4	216.4
82.5°	386.6	276.2	146.3	128.4	128.4	137.3	162.7	183.6	191.1	189.6	188.1
85°	250.8	186.6	119.4	110.5	112.0	120.9	138.8	155.2	159.7	158.2	153.8
87.5°	164.2	131.4	95.5	94.0	95.5	103.0	116.4	125.4	131.4	128.4	126.9
90°	112.0	94.0	77.6	77.6	80.6	86.6	95.5	100.0	101.5	101.5	100.0
92.5°	82.1	73.1	64.2	64.2	68.7	73.1	77.6	79.1	82.1	80.6	79.1
95°	62.7	59.7	53.7	53.7	58.2	62.7	64.2	62.7	65.7	65.7	64.2
97.5°	49.3	49.3	46.3	46.3	49.3	52.2	53.7	52.2	53.7	52.2	52.2
100°	38.8	38.8	40.3	40.3	41.8	44.8	44.8	44.8	44.8	43.3	41.8
102.5°	31.3	32.8	34.3	35.8	37.3	37.3	38.8	37.3	37.3	34.3	34.3
105°	25.4	25.4	28.4	29.9	31.3	32.8	32.8	32.8	31.3	28.4	28.4
107.5°	20.9	22.4	23.9	26.9	26.9	28.4	29.9	28.4	25.4	22.4	23.9
110°	16.4	17.9	20.9	22.4	23.9	25.4	25.4	23.9	20.9	19.4	19.4

REPORT NUMBER: P695084  
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	14.9	17.9	19.4	20.9	22.4	22.4	20.9	17.9	16.4	16.4
115°	13.4	13.4	14.9	16.4	17.9	19.4	19.4	17.9	14.9	13.4	13.4
117.5°	11.9	11.9	13.4	14.9	16.4	17.9	16.4	16.4	13.4	11.9	11.9
120°	10.4	11.9	11.9	13.4	14.9	14.9	14.9	13.4	11.9	11.9	11.9
122.5°	10.4	10.4	11.9	11.9	13.4	13.4	13.4	11.9	10.4	10.4	10.4
125°	9.0	10.4	10.4	10.4	11.9	11.9	11.9	10.4	9.0	9.0	9.0
127.5°	9.0	9.0	9.0	10.4	10.4	10.4	10.4	9.0	9.0	9.0	9.0
130°	9.0	9.0	9.0	9.0	9.0	10.4	9.0	9.0	7.5	9.0	9.0
132.5°	7.5	7.5	7.5	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
137.5°	7.5	7.5	7.5	7.5	7.5	7.5	6.0	6.0	6.0	7.5	7.5
140°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
142.5°	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0
145°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
147.5°	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	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)