

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: P694869

Luminaire Tested: **LXF.LXT-PA16-30-740-U-T2U-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694869  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-740-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3694.1 lumens  
Efficiency: N/A  
Efficacy: 126.5 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: B1 - U3 - G1

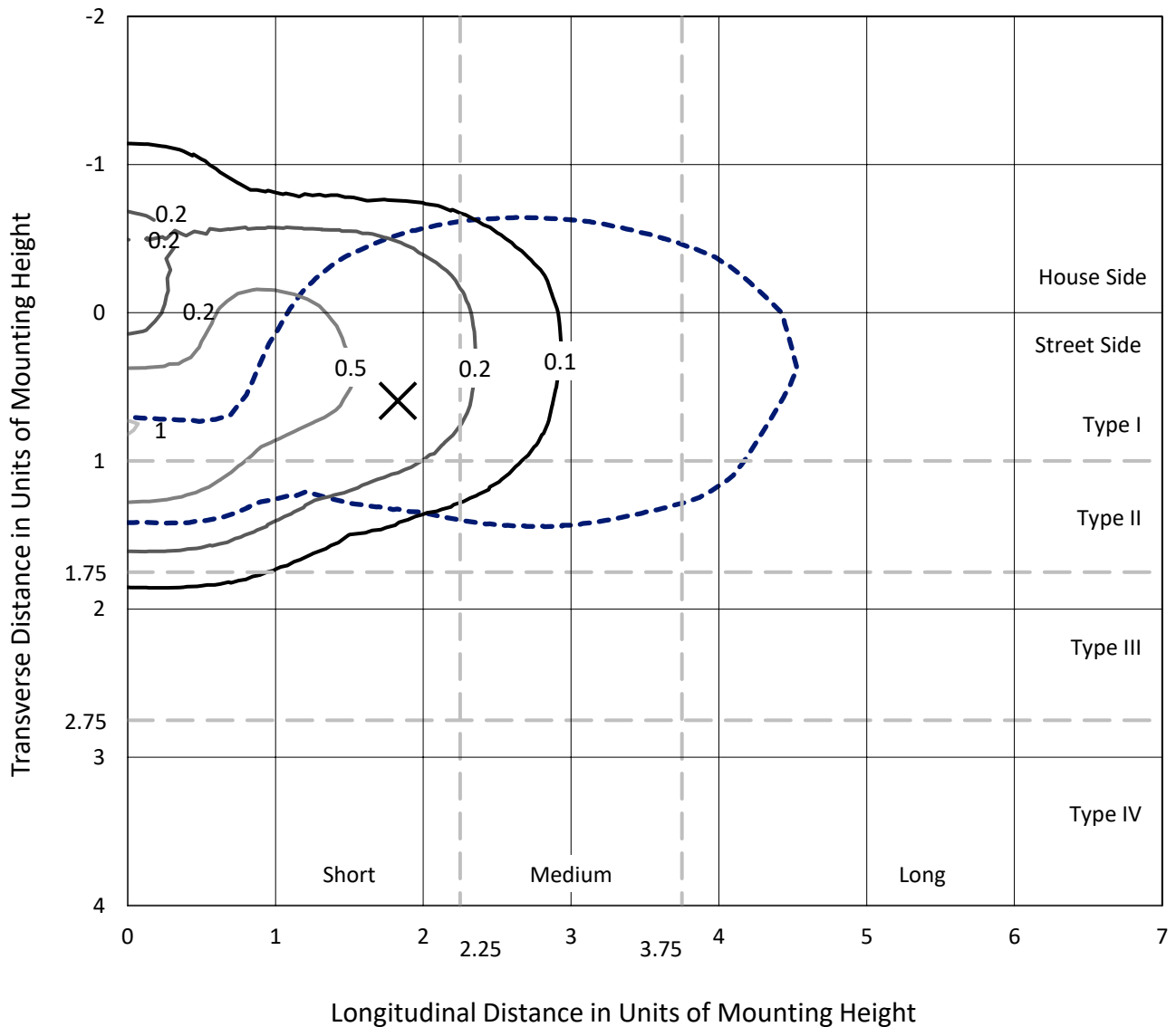
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

### Iso-Footcandle Lines of Horizontal Illumination

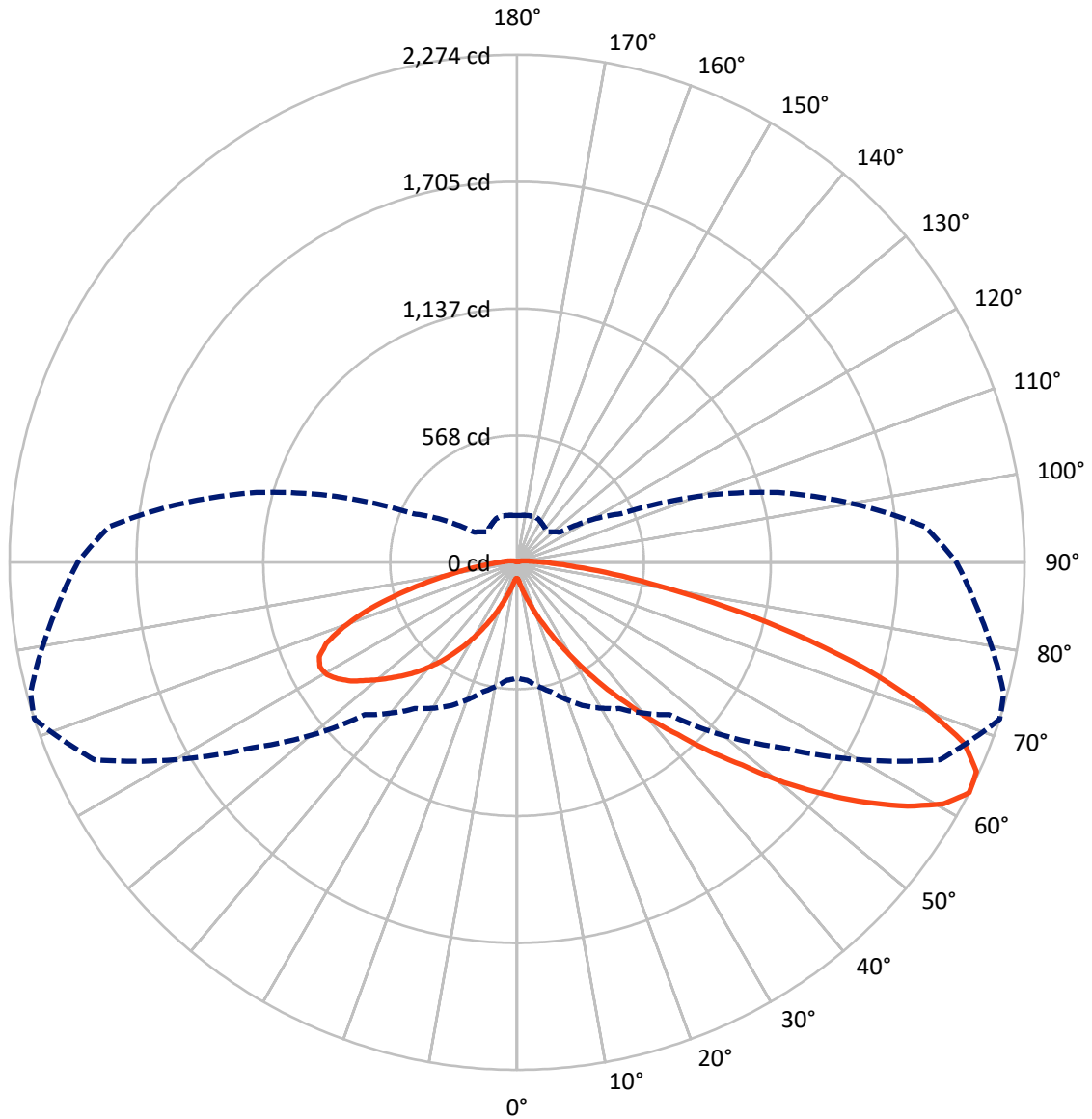
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Short - N/A

REPORT NUMBER: P694869  
CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

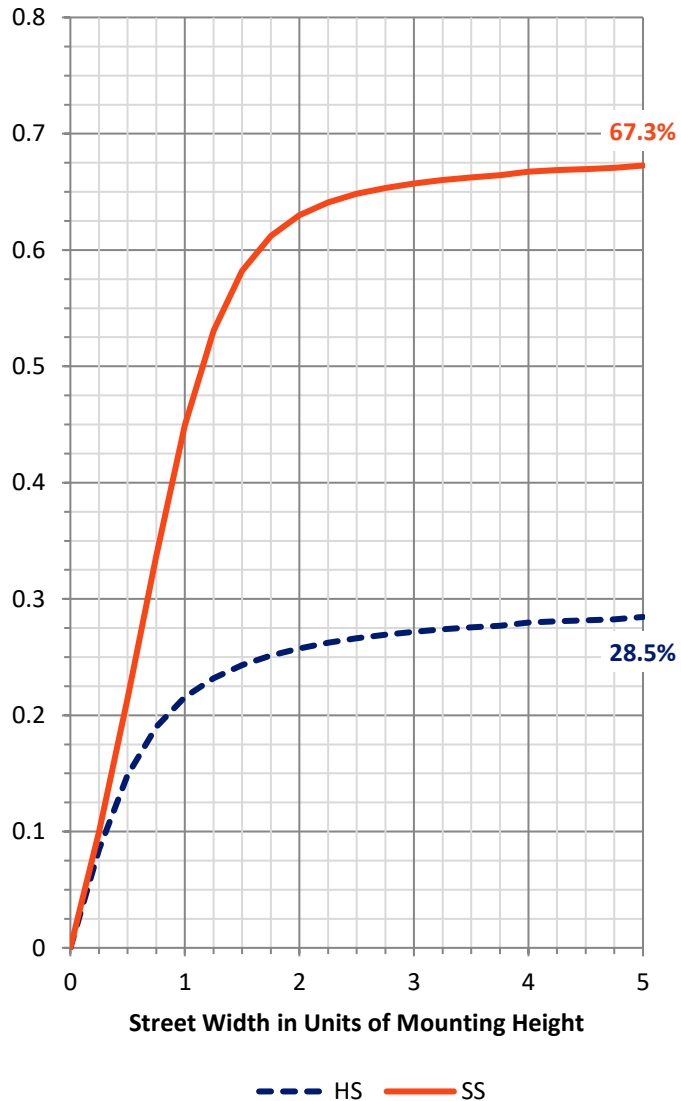
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1083.1	55.1	1138.2
	% Fixture	29.3	1.5	30.8
<b>Street Side</b>	Lumens	2511.2	44.7	2555.9
	% Fixture	68.0	1.2	69.2
<b>Total</b>	Lumens	3594.2	99.8	3694.1
	% Fixture	97.3	2.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.2
10°-20°	46.7	1.3
20°-30°	154.0	4.2
30°-40°	367.8	10.0
40°-50°	654.0	17.7
50°-60°	864.7	23.4
60°-70°	830.7	22.5
70°-80°	504.3	13.7
80°-90°	163.6	4.4
90°-100°	50.3	1.4
100°-110°	23.5	0.6
110°-120°	12.2	0.3
120°-130°	7.2	0.2
130°-140°	4.3	0.1
140°-150°	2.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3594.2	97.3
0°-180°	3694.1	100.0

**Coefficient of Utilization**

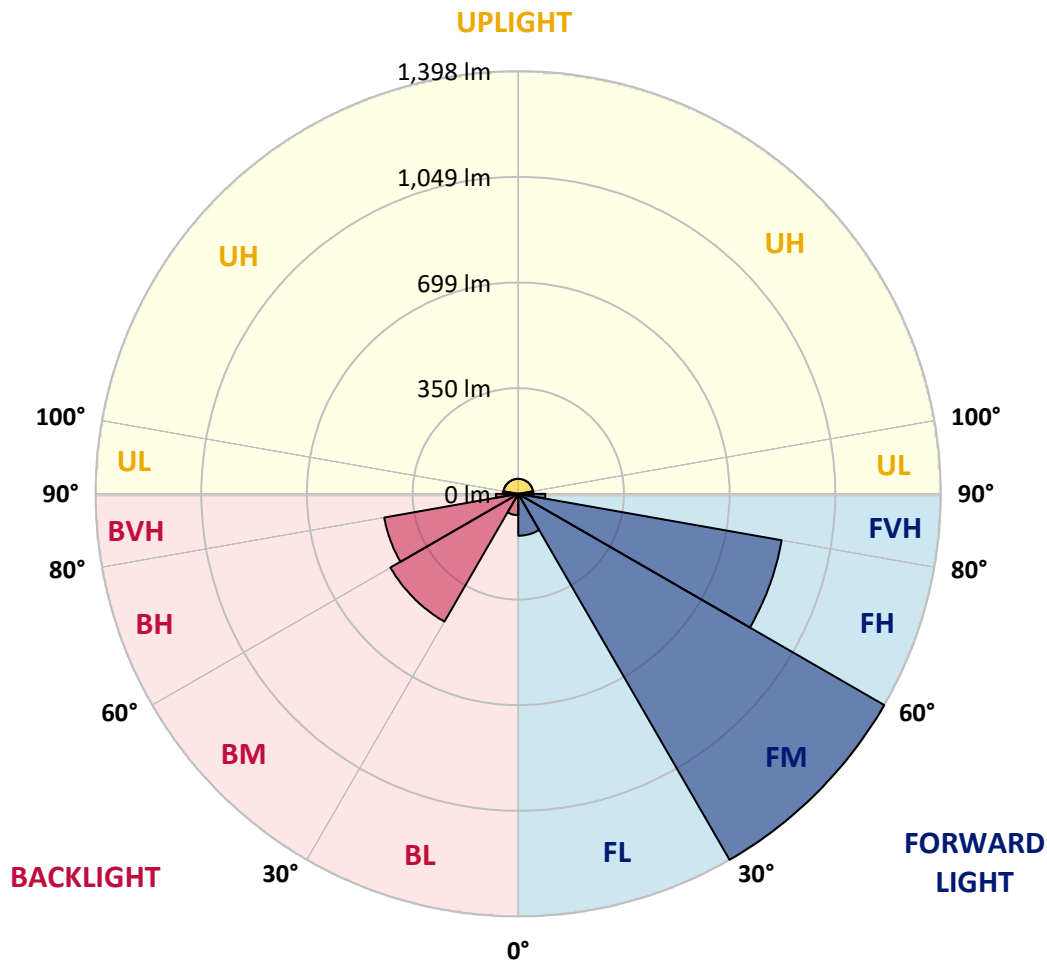


REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.5	3.8			
FM (30°-60°)	1398.1	37.8			
FH (60°-80°)	885.0	24.0			G1/1800
FVH (80°-90°)	89.5	2.4			G1/100
BL (0°-30°)	70.7	1.9	B0/110		
BM (30°-60°)	488.3	13.2	B1/1000		
BH (60°-80°)	450.0	12.2	B1/500		G1/500
BVH (80°-90°)	74.1	2.0			G1/100
UL (90°-100°)	50.3	1.4		U3/500	
UH (100°-180°)	49.5	1.3		U2/50	

**BUG Rating: B1-U3-G1**  
 Type II Short



REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	81.5	82.8	81.5	82.8	81.5	80.2	80.2	77.7	77.7	76.4	75.1
5°	97.1	98.4	98.4	97.1	94.5	93.2	89.3	88.0	85.4	84.1	81.5
7.5°	119.1	117.8	119.1	115.2	113.9	111.3	106.1	102.2	98.4	97.1	93.2
10°	147.5	146.2	145.0	142.4	138.5	133.3	128.1	120.4	117.8	116.5	110.0
12.5°	181.2	183.8	179.9	176.0	169.5	163.1	154.0	145.0	141.1	139.8	129.4
15°	230.4	230.4	225.2	218.7	205.8	195.4	186.4	177.3	170.8	168.2	159.2
17.5°	292.5	288.6	282.1	266.6	255.0	238.1	227.8	213.5	207.1	205.8	194.1
20°	361.1	363.7	349.4	330.0	308.0	287.3	271.8	257.5	251.1	249.8	235.5
22.5°	451.7	451.7	432.3	406.4	370.1	341.7	323.6	309.3	300.3	295.1	286.0
25°	556.5	556.5	534.5	484.0	445.2	406.4	380.5	365.0	361.1	355.9	343.0
27.5°	682.1	685.9	644.5	594.0	522.9	476.3	445.2	436.2	428.4	431.0	405.1
30°	827.0	820.5	776.5	698.9	617.3	556.5	525.5	512.5	507.3	508.6	485.3
32.5°	965.5	955.1	915.0	825.7	717.0	648.4	613.5	603.1	599.2	594.0	565.6
35°	1126.0	1116.9	1060.0	951.3	830.9	741.6	700.2	700.2	700.2	693.7	652.3
37.5°	1281.3	1264.5	1202.3	1083.3	943.5	842.5	807.6	812.8	805.0	795.9	749.4
40°	1405.5	1393.9	1334.3	1212.7	1058.7	952.5	918.9	926.7	930.5	917.6	852.9
42.5°	1493.5	1488.4	1440.5	1326.6	1162.2	1061.3	1048.3	1057.4	1054.8	1040.6	969.4
45°	1536.2	1531.1	1500.0	1406.8	1263.2	1168.7	1170.0	1210.1	1203.6	1188.1	1085.9
47.5°	1512.9	1519.4	1507.8	1449.5	1326.6	1259.3	1295.5	1366.7	1357.6	1343.4	1217.9
50°	1443.1	1440.5	1458.6	1437.9	1351.2	1320.1	1418.5	1547.9	1550.5	1512.9	1369.3
52.5°	1296.8	1303.3	1355.0	1366.7	1330.5	1343.4	1522.0	1722.6	1727.8	1682.5	1514.2
55°	1123.4	1122.1	1189.4	1248.9	1251.5	1317.5	1581.5	1872.7	1898.6	1865.0	1669.5
57.5°	893.0	916.3	986.2	1080.7	1127.3	1238.6	1602.2	2007.3	2061.7	2015.1	1809.3
60°	691.1	709.2	793.4	895.6	970.7	1118.2	1550.5	2081.1	2196.3	2163.9	1959.5
62.5°	519.0	530.6	601.8	709.2	799.8	965.5	1446.9	2091.5	2273.9	2257.1	2059.1
65°	381.8	388.3	456.9	550.0	639.3	783.0	1260.6	2003.5	2262.3	2273.9	2127.7
67.5°	277.0	287.3	337.8	420.6	497.0	627.7	1057.4	1814.5	2160.1	2193.7	2103.1
70°	218.7	223.9	258.8	323.6	379.2	478.9	852.9	1554.4	1924.5	2000.9	1980.2
72.5°	176.0	178.6	205.8	255.0	291.2	363.7	644.5	1256.7	1637.2	1725.2	1773.1
75°	145.0	147.5	169.5	203.2	231.7	271.8	472.4	951.3	1286.5	1382.2	1485.8
77.5°	115.2	120.4	137.2	163.1	183.8	207.1	331.3	687.2	951.3	1026.3	1146.7
80°	91.9	94.5	110.0	130.7	146.2	163.1	243.3	455.6	643.2	736.4	827.0
82.5°	69.9	72.5	84.1	100.9	113.9	125.5	173.4	300.3	432.3	478.9	529.3
85°	50.5	50.5	62.1	76.4	88.0	99.7	126.8	195.4	264.0	291.2	326.1
87.5°	33.6	34.9	42.7	55.7	68.6	77.7	93.2	128.1	168.2	177.3	200.6
90°	23.3	24.6	29.8	40.1	51.8	60.8	69.9	88.0	106.1	115.2	132.0
92.5°	16.8	18.1	23.3	29.8	40.1	49.2	55.7	63.4	75.1	81.5	90.6
95°	12.9	14.2	18.1	24.6	32.4	40.1	45.3	49.2	56.9	60.8	67.3
97.5°	11.6	11.6	15.5	20.7	27.2	33.6	37.5	40.1	45.3	47.9	53.1
100°	10.4	10.4	12.9	18.1	23.3	28.5	31.1	32.4	36.2	37.5	41.4
102.5°	9.1	9.1	11.6	15.5	20.7	24.6	27.2	27.2	29.8	29.8	32.4
105°	7.8	7.8	10.4	14.2	18.1	22.0	23.3	23.3	23.3	24.6	24.6
107.5°	7.8	7.8	9.1	12.9	15.5	19.4	20.7	19.4	19.4	19.4	19.4
110°	6.5	6.5	9.1	11.6	14.2	16.8	16.8	16.8	15.5	15.5	15.5

REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.5	6.5	7.8	10.4	12.9	14.2	15.5	14.2	12.9	12.9	12.9
115°	6.5	6.5	7.8	9.1	11.6	12.9	12.9	11.6	10.4	10.4	10.4
117.5°	5.2	6.5	6.5	9.1	10.4	11.6	11.6	10.4	9.1	9.1	9.1
120°	5.2	5.2	6.5	7.8	9.1	10.4	10.4	9.1	7.8	7.8	9.1
122.5°	5.2	5.2	6.5	7.8	9.1	9.1	9.1	7.8	7.8	7.8	7.8
125°	5.2	5.2	5.2	6.5	7.8	9.1	7.8	7.8	6.5	6.5	7.8
127.5°	5.2	5.2	5.2	6.5	7.8	7.8	7.8	6.5	6.5	6.5	6.5
130°	5.2	5.2	5.2	5.2	6.5	6.5	6.5	6.5	5.2	5.2	6.5
132.5°	5.2	5.2	5.2	5.2	6.5	6.5	6.5	5.2	5.2	5.2	5.2
135°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	3.9	5.2	5.2
137.5°	5.2	5.2	3.9	5.2	5.2	5.2	5.2	3.9	3.9	3.9	5.2
140°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	3.9	3.9
145°	3.9	3.9	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	3.9	3.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	1.3	1.3	1.3	2.6
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: P694869

CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	75.1	73.8	72.5	71.2	71.2	69.9	69.9	68.6	68.6	68.6	68.6
5°	80.2	78.9	76.4	73.8	71.2	69.9	67.3	66.0	66.0	64.7	64.7
7.5°	91.9	88.0	84.1	80.2	76.4	72.5	69.9	67.3	66.0	66.0	66.0
10°	106.1	103.5	95.8	90.6	85.4	80.2	76.4	72.5	69.9	69.9	68.6
12.5°	128.1	124.2	113.9	107.4	98.4	90.6	85.4	80.2	77.7	76.4	76.4
15°	154.0	148.8	139.8	126.8	115.2	104.8	97.1	93.2	90.6	89.3	89.3
17.5°	189.0	181.2	167.0	151.4	135.9	121.7	113.9	107.4	103.5	104.8	104.8
20°	230.4	221.3	201.9	181.2	159.2	143.7	130.7	124.2	121.7	121.7	121.7
22.5°	275.7	265.3	244.6	216.1	187.7	165.7	148.8	141.1	141.1	141.1	141.1
25°	335.2	317.1	291.2	253.7	216.1	185.1	167.0	160.5	160.5	161.8	163.1
27.5°	392.1	380.5	341.7	293.8	245.9	205.8	182.5	176.0	179.9	182.5	183.8
30°	464.6	443.9	397.3	335.2	273.1	222.6	196.7	191.5	198.0	201.9	203.2
32.5°	544.9	516.4	456.9	380.5	297.7	235.5	207.1	204.5	211.0	217.4	217.4
35°	626.4	592.8	517.7	424.5	317.1	243.3	213.5	213.5	221.3	227.8	227.8
37.5°	715.7	670.4	583.7	462.0	332.6	247.2	217.4	218.7	227.8	231.7	233.0
40°	810.2	758.4	645.8	497.0	340.4	245.9	218.7	222.6	229.1	233.0	233.0
42.5°	908.5	850.3	713.1	522.9	341.7	243.3	217.4	222.6	229.1	230.4	230.4
45°	1019.8	951.3	777.8	542.3	336.5	238.1	216.1	222.6	226.5	225.2	225.2
47.5°	1142.8	1058.7	839.9	557.8	326.1	231.7	214.8	222.6	223.9	221.3	220.0
50°	1281.3	1177.7	912.4	564.3	314.5	225.2	213.5	221.3	221.3	216.1	216.1
52.5°	1424.9	1314.9	986.2	565.6	300.3	218.7	213.5	221.3	220.0	212.3	212.3
55°	1556.9	1449.5	1065.1	564.3	284.7	211.0	211.0	221.3	218.7	211.0	211.0
57.5°	1726.5	1593.2	1131.1	553.9	267.9	205.8	209.7	221.3	217.4	209.7	209.7
60°	1853.3	1725.2	1182.9	539.7	252.4	198.0	207.1	220.0	216.1	209.7	209.7
62.5°	1968.5	1833.9	1208.8	515.1	234.3	191.5	203.2	217.4	216.1	211.0	209.7
65°	2026.7	1880.5	1198.4	477.6	217.4	183.8	199.3	214.8	213.5	209.7	209.7
67.5°	2012.5	1862.4	1140.2	429.7	200.6	176.0	192.8	207.1	208.4	207.1	207.1
70°	1907.7	1742.0	1030.2	370.1	185.1	165.7	185.1	199.3	200.6	200.6	201.9
72.5°	1703.2	1538.8	887.8	314.5	168.2	155.3	173.4	187.7	190.3	191.5	190.3
75°	1431.4	1264.5	710.5	260.1	152.7	143.7	160.5	173.4	177.3	177.3	177.3
77.5°	1101.4	966.8	535.8	208.4	137.2	130.7	146.2	157.9	160.5	161.8	160.5
80°	781.7	682.1	377.9	168.2	121.7	117.8	129.4	138.5	141.1	143.7	142.4
82.5°	509.9	455.6	265.3	133.3	104.8	102.2	112.6	119.1	121.7	121.7	120.4
85°	309.3	283.4	174.7	106.1	89.3	86.7	94.5	98.4	99.7	99.7	99.7
87.5°	192.8	174.7	123.0	85.4	75.1	73.8	77.7	78.9	82.8	81.5	80.2
90°	124.2	116.5	90.6	67.3	60.8	60.8	63.4	63.4	66.0	66.0	63.4
92.5°	89.3	85.4	69.9	55.7	50.5	51.8	53.1	51.8	53.1	53.1	53.1
95°	68.6	66.0	58.2	47.9	42.7	44.0	42.7	42.7	44.0	44.0	42.7
97.5°	54.4	54.4	47.9	40.1	37.5	36.2	37.5	36.2	37.5	36.2	34.9
100°	42.7	42.7	40.1	34.9	32.4	31.1	32.4	31.1	32.4	31.1	29.8
102.5°	33.6	34.9	33.6	29.8	28.5	27.2	27.2	27.2	27.2	25.9	25.9
105°	25.9	27.2	28.5	25.9	24.6	23.3	23.3	23.3	23.3	22.0	20.7
107.5°	20.7	22.0	23.3	22.0	22.0	20.7	20.7	20.7	19.4	18.1	18.1
110°	16.8	18.1	19.4	19.4	18.1	18.1	18.1	18.1	16.8	15.5	15.5

REPORT NUMBER: P694869  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	14.2	15.5	16.8	16.8	16.8	16.8	15.5	14.2	14.2	14.2
115°	11.6	12.9	14.2	14.2	14.2	14.2	14.2	12.9	12.9	11.6	11.6
117.5°	10.4	10.4	11.6	12.9	12.9	12.9	12.9	11.6	10.4	10.4	11.6
120°	9.1	9.1	10.4	11.6	11.6	11.6	11.6	10.4	9.1	10.4	10.4
122.5°	9.1	9.1	9.1	10.4	10.4	10.4	10.4	9.1	9.1	9.1	9.1
125°	7.8	7.8	9.1	9.1	9.1	9.1	9.1	7.8	7.8	9.1	9.1
127.5°	7.8	7.8	7.8	7.8	9.1	9.1	7.8	7.8	7.8	7.8	7.8
130°	6.5	6.5	7.8	7.8	7.8	7.8	7.8	6.5	6.5	7.8	7.8
132.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
135°	5.2	5.2	6.5	6.5	6.5	6.5	6.5	5.2	6.5	6.5	6.5
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5
140°	3.9	3.9	3.9	5.2	5.2	5.2	5.2	3.9	5.2	5.2	5.2
142.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2
145°	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9
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)