

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: P694876

Luminaire Tested: **LXF.LXT-PA16-30-740-U-T4W-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3601 lumens  
Efficiency: N/A  
Efficacy: 123.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G2

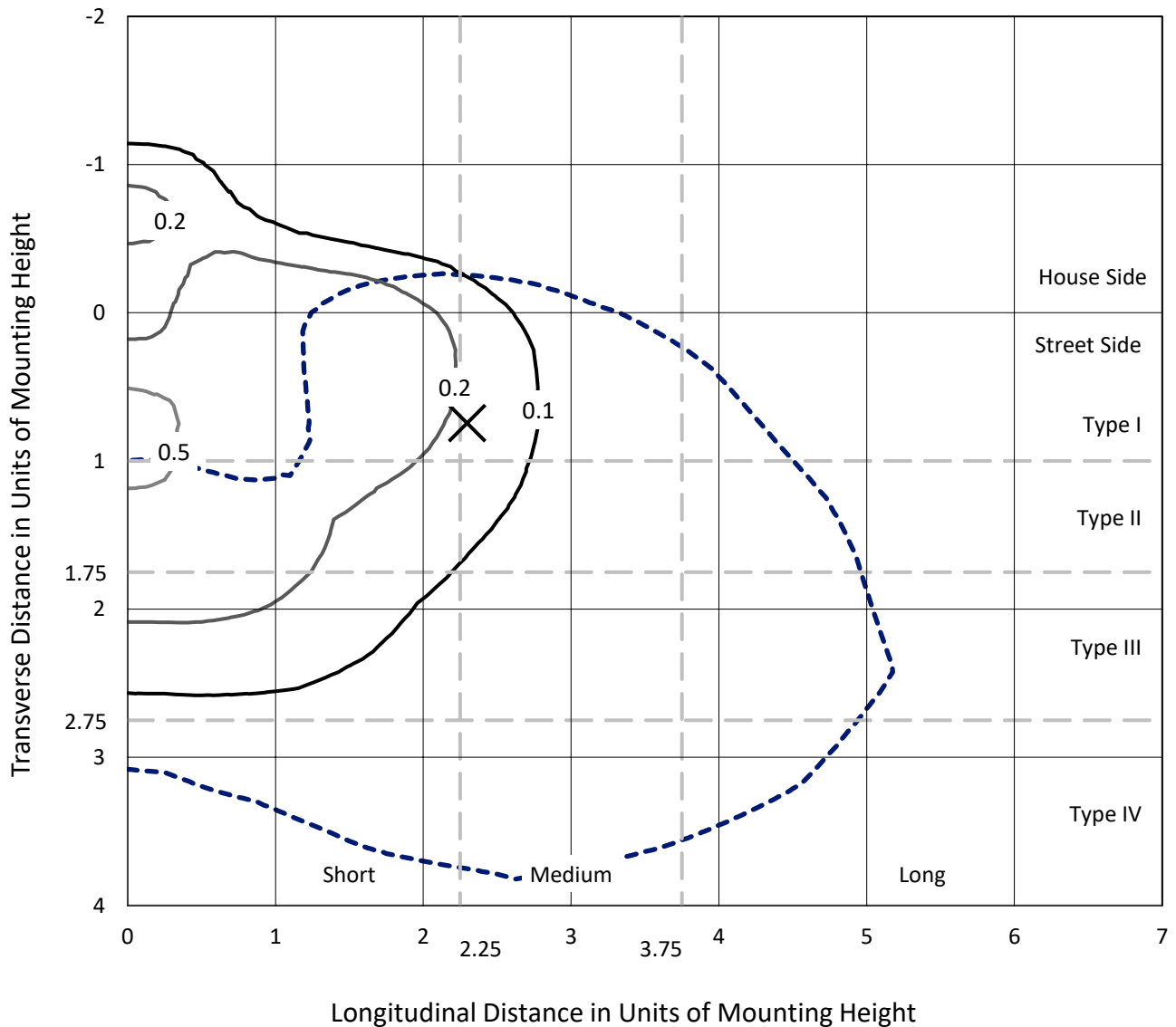
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

### Iso-Footcandle Lines of Horizontal Illumination

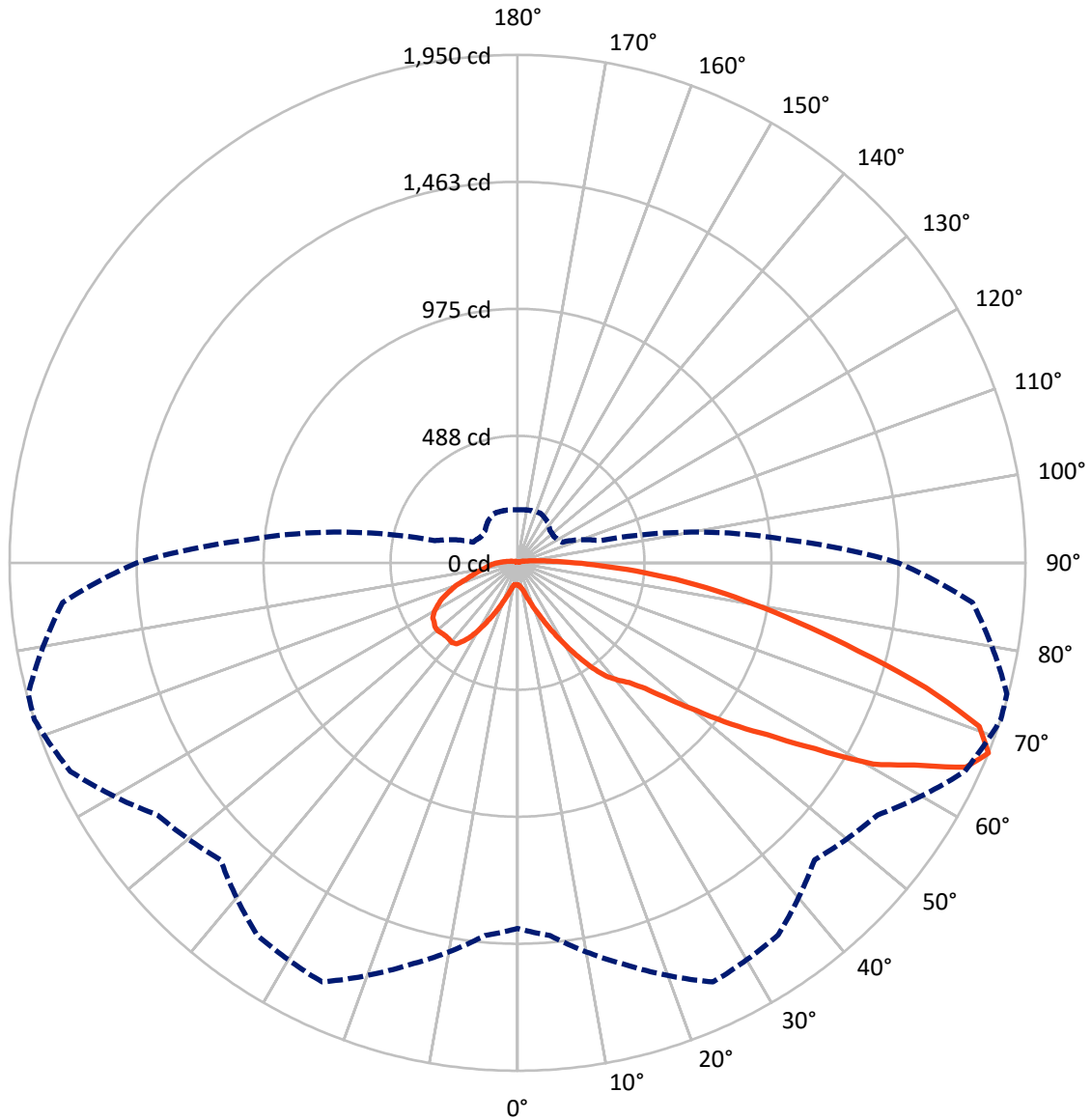
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - N/A

REPORT NUMBER: P694876  
CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

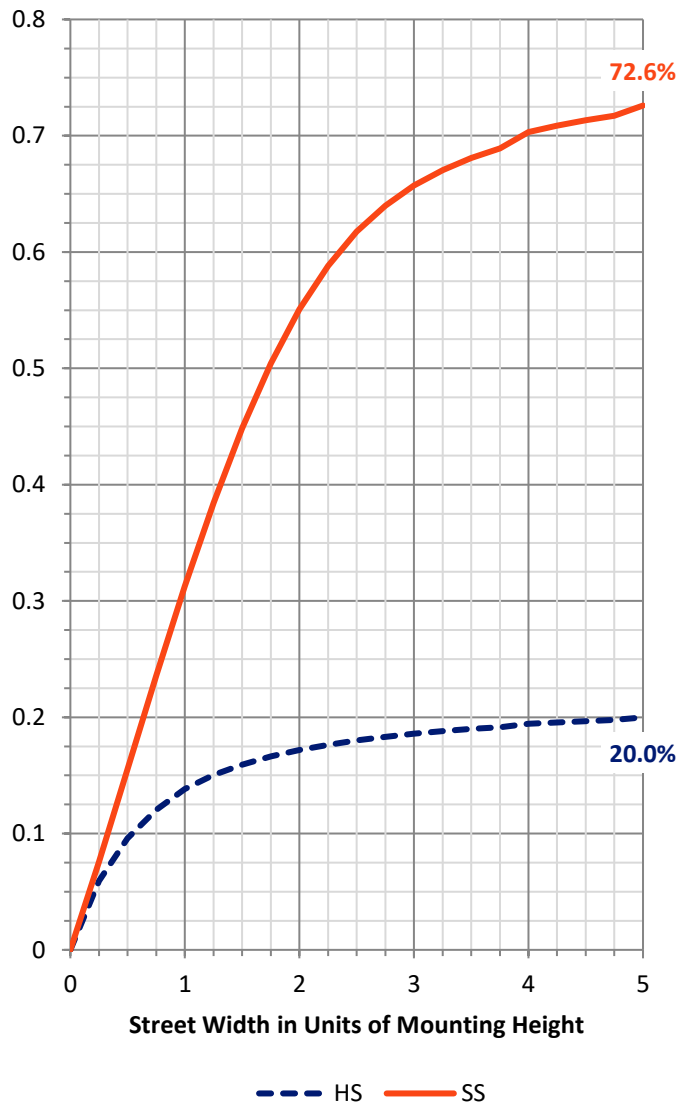
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	760.0	65.4	825.4
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	2706.1	69.6	2775.7
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	3466.1	135.0	3601.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.6	0.2
10°-20°	37.3	1.0
20°-30°	113.0	3.1
30°-40°	254.4	7.1
40°-50°	408.4	11.3
50°-60°	662.0	18.4
60°-70°	965.5	26.8
70°-80°	723.8	20.1
80°-90°	293.0	8.1
90°-100°	81.3	2.3
100°-110°	26.7	0.7
110°-120°	12.3	0.3
120°-130°	7.4	0.2
130°-140°	4.8	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3466.1	96.3
0°-180°	3601.0	100.0

**Coefficient of Utilization**

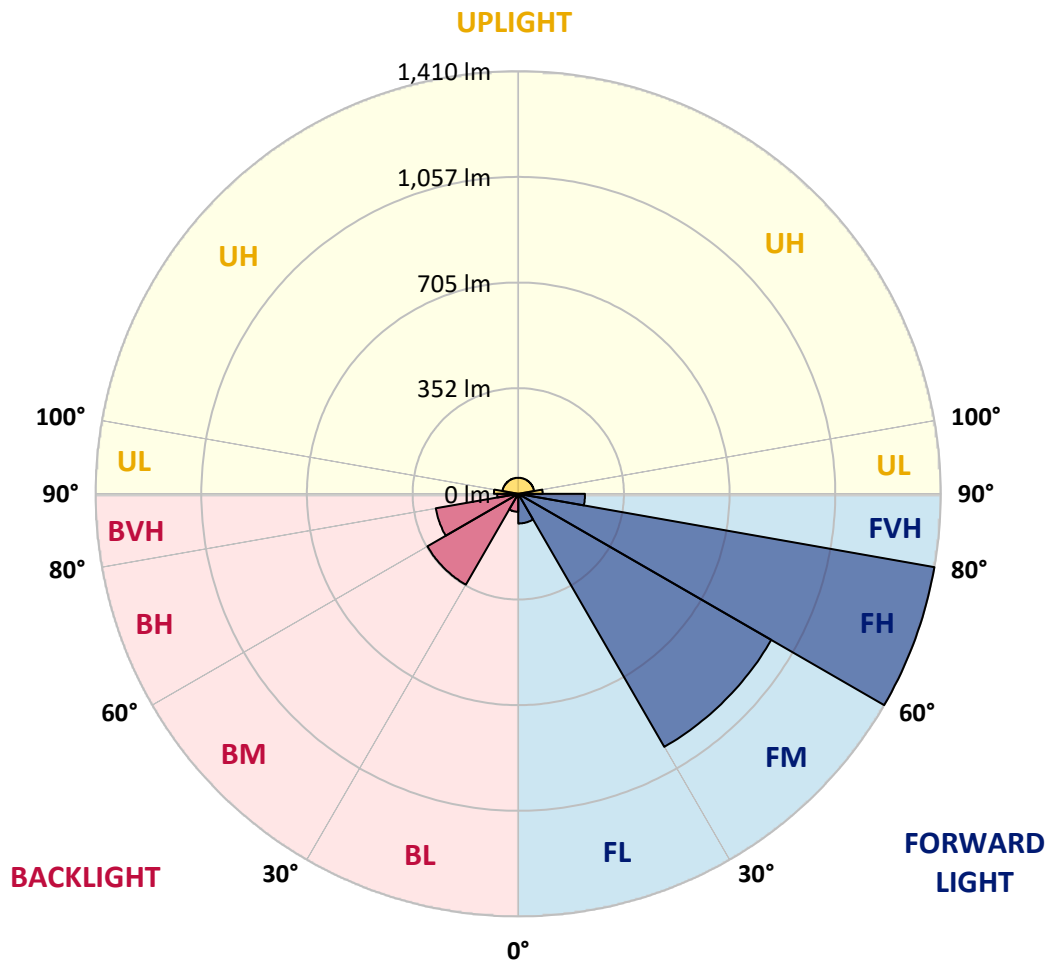


REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.0	2.7			
FM (30°-60°)	974.8	27.1			
FH (60°-80°)	1409.9	39.2			G1/1800
FVH (80°-90°)	222.5	6.2			G2/225
BL (0°-30°)	60.0	1.7	B0/110		
BM (30°-60°)	350.0	9.7	B1/1000		
BH (60°-80°)	279.5	7.8	B1/500		G1/500
BVH (80°-90°)	70.5	2.0			G1/100
UL (90°-100°)	81.3	2.3		U3/500	
UH (100°-180°)	53.6	1.5		U3/500	

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



REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	89.3	89.3	89.3	89.3	89.3	89.3	89.3	88.0	86.7	86.7	85.4
5°	97.1	97.1	97.1	97.1	97.1	95.8	93.2	91.9	90.6	89.3	88.0
7.5°	108.7	107.4	107.4	106.1	104.8	103.5	100.9	98.4	95.8	94.5	91.9
10°	123.0	123.0	121.7	119.1	117.8	112.6	110.0	106.1	103.5	102.2	98.4
12.5°	148.8	146.2	145.0	141.1	134.6	128.1	123.0	119.1	116.5	116.5	111.3
15°	178.6	177.3	174.7	164.4	156.6	147.5	141.1	138.5	137.2	134.6	130.7
17.5°	214.8	214.8	209.7	195.4	182.5	173.4	165.7	161.8	160.5	160.5	156.6
20°	261.4	261.4	251.1	230.4	214.8	203.2	194.1	189.0	189.0	187.7	185.1
22.5°	315.8	318.4	302.8	275.7	249.8	233.0	222.6	221.3	221.3	226.5	223.9
25°	379.2	379.2	359.8	324.8	295.1	265.3	257.6	262.7	266.6	271.8	273.1
27.5°	460.7	458.2	425.8	381.8	335.2	302.8	293.8	304.1	315.8	319.7	327.4
30°	553.9	550.0	509.9	447.8	384.4	336.5	332.6	352.0	372.7	376.6	387.0
32.5°	632.9	635.5	590.2	521.6	434.9	377.9	374.0	405.1	431.0	440.0	459.4
35°	728.6	729.9	675.6	588.9	484.0	416.7	415.4	458.2	495.7	507.3	528.0
37.5°	768.8	776.5	735.1	647.1	533.2	458.2	455.6	508.6	551.3	564.3	587.6
40°	810.2	815.4	772.7	689.8	573.3	494.4	495.7	552.6	591.5	607.0	619.9
42.5°	895.6	898.2	839.9	735.1	607.0	531.9	533.2	585.0	629.0	648.4	671.7
45°	972.0	983.6	926.7	806.3	652.3	564.3	566.9	638.1	687.2	714.4	742.9
47.5°	1080.7	1080.7	1034.1	900.8	719.6	608.3	622.5	713.1	780.4	803.7	845.1
50°	1177.7	1179.0	1144.1	1003.0	794.7	669.1	695.0	807.6	893.0	920.2	975.8
52.5°	1258.0	1259.3	1234.7	1120.8	896.9	749.4	779.1	933.1	1028.9	1062.6	1111.7
55°	1357.6	1351.2	1335.6	1238.6	1013.4	852.9	896.9	1066.4	1166.1	1211.4	1270.9
57.5°	1463.8	1456.0	1462.5	1366.7	1146.7	981.0	1026.3	1208.8	1347.3	1405.5	1474.1
60°	1522.0	1524.6	1573.8	1534.9	1308.5	1140.2	1190.7	1426.2	1569.9	1615.2	1630.7
62.5°	1550.5	1553.1	1637.2	1663.1	1500.0	1307.2	1378.3	1606.1	1709.7	1766.6	1755.0
65°	1542.7	1553.1	1687.7	1758.8	1660.5	1487.1	1563.4	1775.7	1892.2	1921.9	1831.3
67.5°	1404.2	1436.6	1597.1	1775.7	1744.6	1612.6	1687.7	1894.7	1950.4	1945.2	1753.7
70°	1189.4	1198.4	1391.3	1650.1	1720.0	1607.4	1699.3	1870.1	1880.5	1853.3	1581.5
72.5°	915.0	937.0	1111.7	1392.6	1549.2	1492.2	1569.9	1704.5	1641.1	1572.5	1276.1
75°	671.7	662.6	808.9	1082.0	1282.6	1290.3	1366.7	1445.6	1351.2	1295.5	1041.8
77.5°	455.6	477.6	582.4	801.1	1008.2	1078.1	1154.4	1164.8	1102.7	1057.4	797.2
80°	311.9	315.8	394.7	585.0	786.9	885.2	952.5	975.8	886.5	834.8	601.8
82.5°	178.6	182.5	249.8	420.6	617.3	731.2	799.8	793.4	691.1	639.3	418.0
85°	99.7	100.9	145.0	260.1	464.6	585.0	644.5	592.8	490.5	442.6	274.4
87.5°	59.5	62.1	86.7	167.0	315.8	453.0	482.7	412.9	317.1	282.1	181.2
90°	37.5	40.1	53.1	98.4	203.2	318.4	327.4	260.1	196.7	177.3	123.0
92.5°	24.6	25.9	34.9	60.8	125.5	200.6	209.7	156.6	121.7	108.7	84.1
95°	19.4	19.4	24.6	41.4	77.7	117.8	126.8	94.5	78.9	71.2	58.2
97.5°	15.5	15.5	19.4	29.8	53.1	73.8	76.4	62.1	53.1	51.8	44.0
100°	12.9	14.2	16.8	23.3	37.5	49.2	49.2	42.7	38.8	38.8	34.9
102.5°	11.6	11.6	14.2	19.4	29.8	37.5	36.2	32.4	29.8	29.8	28.5
105°	11.6	10.4	12.9	15.5	23.3	28.5	27.2	24.6	23.3	22.0	22.0
107.5°	10.4	9.1	10.4	12.9	19.4	23.3	22.0	19.4	18.1	16.8	18.1
110°	9.1	9.1	9.1	11.6	15.5	19.4	18.1	15.5	14.2	14.2	14.2

REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.8	7.8	7.8	10.4	12.9	15.5	15.5	12.9	11.6	10.4	11.6
115°	7.8	7.8	7.8	9.1	11.6	14.2	12.9	10.4	9.1	9.1	10.4
117.5°	6.5	6.5	6.5	9.1	10.4	11.6	11.6	9.1	7.8	7.8	9.1
120°	6.5	6.5	6.5	7.8	10.4	10.4	10.4	7.8	7.8	7.8	9.1
122.5°	6.5	6.5	6.5	7.8	9.1	10.4	9.1	7.8	6.5	6.5	7.8
125°	6.5	6.5	6.5	7.8	9.1	9.1	7.8	6.5	6.5	6.5	7.8
127.5°	6.5	6.5	6.5	7.8	7.8	7.8	7.8	6.5	6.5	6.5	7.8
130°	6.5	6.5	6.5	6.5	7.8	7.8	6.5	6.5	6.5	6.5	6.5
132.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	5.2	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	6.5	6.5	5.2	5.2	5.2	5.2	6.5
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.5
140°	5.2	5.2	5.2	5.2	5.2	5.2	3.9	3.9	3.9	3.9	5.2
142.5°	5.2	5.2	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
145°	3.9	3.9	3.9	3.9	3.9	3.9	2.6	2.6	2.6	3.9	3.9
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	2.6	2.6	2.6	2.6	2.6	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: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
2.5°	85.4	85.4	84.1	82.8	82.8	82.8	82.8	82.8	81.5	81.5	81.5
5°	86.7	85.4	84.1	82.8	81.5	80.2	78.9	78.9	77.7	77.7	77.7
7.5°	90.6	89.3	85.4	82.8	80.2	78.9	77.7	76.4	75.1	73.8	73.8
10°	97.1	94.5	89.3	85.4	81.5	78.9	76.4	75.1	73.8	73.8	72.5
12.5°	108.7	106.1	98.4	91.9	85.4	81.5	77.7	76.4	76.4	76.4	77.7
15°	128.1	124.2	113.9	104.8	94.5	86.7	84.1	85.4	86.7	88.0	88.0
17.5°	152.7	147.5	135.9	120.4	106.1	97.1	95.8	97.1	99.7	102.2	102.2
20°	181.2	174.7	156.6	138.5	120.4	112.6	108.7	111.3	115.2	120.4	119.1
22.5°	221.3	211.0	189.0	159.2	138.5	128.1	123.0	126.8	134.6	139.8	139.8
25°	266.6	253.7	225.2	185.1	156.6	141.1	138.5	145.0	159.2	167.0	167.0
27.5°	318.4	302.8	264.0	212.3	176.0	155.3	152.7	167.0	185.1	199.3	198.0
30°	379.2	361.1	310.6	240.7	194.1	167.0	169.5	189.0	213.5	230.4	230.4
32.5°	449.1	420.6	355.9	271.8	208.4	177.3	182.5	208.4	238.1	255.0	257.6
35°	515.1	481.5	393.4	295.1	220.0	186.4	192.8	226.5	261.4	282.1	282.1
37.5°	572.0	535.8	423.2	310.6	225.2	191.5	201.9	240.7	274.4	295.1	295.1
40°	599.2	556.5	432.3	313.2	226.5	194.1	207.1	247.2	279.6	296.4	295.1
42.5°	648.4	591.5	433.6	299.0	222.6	195.4	209.7	244.6	269.2	277.0	275.7
45°	714.4	640.6	440.0	286.0	213.5	192.8	207.1	235.5	249.8	251.1	248.5
47.5°	799.8	711.8	449.1	274.4	205.8	189.0	200.6	222.6	230.4	226.5	225.2
50°	917.6	793.4	462.0	261.4	200.6	182.5	194.1	213.5	218.7	211.0	209.7
52.5°	1032.8	874.9	467.2	248.5	195.4	178.6	190.3	209.7	211.0	198.0	196.7
55°	1172.6	962.9	460.7	234.3	192.8	177.3	190.3	207.1	201.9	189.0	186.4
57.5°	1347.3	1075.5	459.4	221.3	187.7	177.3	191.5	204.5	200.6	191.5	190.3
60°	1456.0	1123.4	438.7	213.5	183.8	179.9	194.1	208.4	203.2	192.8	191.5
62.5°	1533.7	1144.1	407.7	204.5	181.2	179.9	198.0	209.7	201.9	194.1	192.8
65°	1555.7	1123.4	375.3	195.4	177.3	179.9	199.3	208.4	204.5	199.3	199.3
67.5°	1462.5	1030.2	328.7	187.7	172.1	176.0	196.7	209.7	207.1	204.5	203.2
70°	1292.9	898.2	286.0	177.3	163.1	169.5	192.8	209.7	209.7	208.4	208.4
72.5°	1031.5	693.7	230.4	165.7	152.7	161.8	187.7	205.8	204.5	203.2	201.9
75°	827.0	547.5	195.4	150.1	142.4	151.4	179.9	198.0	195.4	195.4	194.1
77.5°	622.5	414.2	165.7	135.9	129.4	142.4	168.2	185.1	183.8	182.5	179.9
80°	450.4	306.7	141.1	123.0	119.1	130.7	154.0	168.2	168.2	168.2	167.0
82.5°	326.1	226.5	123.0	111.3	108.7	119.1	138.5	150.1	155.3	159.2	156.6
85°	214.8	159.2	108.7	100.9	100.9	110.0	125.5	135.9	143.7	147.5	146.2
87.5°	146.2	121.7	95.8	89.3	91.9	100.9	115.2	123.0	129.4	133.3	132.0
90°	103.5	94.5	81.5	76.4	78.9	90.6	103.5	110.0	112.6	113.9	112.6
92.5°	73.8	69.9	64.7	62.1	66.0	78.9	90.6	93.2	93.2	91.9	89.3
95°	55.7	53.1	51.8	49.2	54.4	66.0	75.1	75.1	75.1	71.2	71.2
97.5°	42.7	42.7	42.7	40.1	44.0	53.1	59.5	58.2	58.2	55.7	55.7
100°	34.9	34.9	34.9	33.6	36.2	42.7	45.3	45.3	46.6	45.3	45.3
102.5°	28.5	28.5	28.5	28.5	29.8	34.9	37.5	36.2	37.5	37.5	37.5
105°	23.3	23.3	24.6	23.3	25.9	29.8	29.8	29.8	31.1	28.5	29.8
107.5°	18.1	19.4	19.4	19.4	22.0	24.6	25.9	24.6	24.6	23.3	23.3
110°	15.5	16.8	16.8	16.8	18.1	20.7	22.0	20.7	19.4	19.4	19.4

REPORT NUMBER: P694876  
 CATALOG NUMBER: LXF.LXT-PA16-30-740-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	14.2	14.2	14.2	15.5	18.1	18.1	16.8	15.5	15.5	15.5
115°	11.6	11.6	12.9	12.9	14.2	15.5	15.5	14.2	12.9	14.2	14.2
117.5°	10.4	10.4	11.6	11.6	11.6	12.9	12.9	11.6	11.6	12.9	12.9
120°	9.1	10.4	10.4	10.4	10.4	11.6	11.6	10.4	10.4	11.6	11.6
122.5°	9.1	9.1	9.1	9.1	10.4	10.4	10.4	9.1	9.1	10.4	10.4
125°	7.8	9.1	9.1	9.1	9.1	9.1	9.1	7.8	9.1	9.1	10.4
127.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	9.1	9.1
130°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	6.5	7.8	7.8	7.8
132.5°	7.8	7.8	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.8	7.8
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	7.8	7.8
137.5°	6.5	6.5	5.2	5.2	5.2	5.2	5.2	5.2	6.5	6.5	6.5
140°	5.2	5.2	5.2	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
145°	3.9	3.9	3.9	2.6	2.6	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	3.9	3.9	3.9	3.9
150°	2.6	2.6	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6	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

(END OF REPORT)