

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: P694951

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2R-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694951  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-827-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2639 lumens  
Efficiency: N/A  
Efficacy: 90.4 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 - U2 - G1

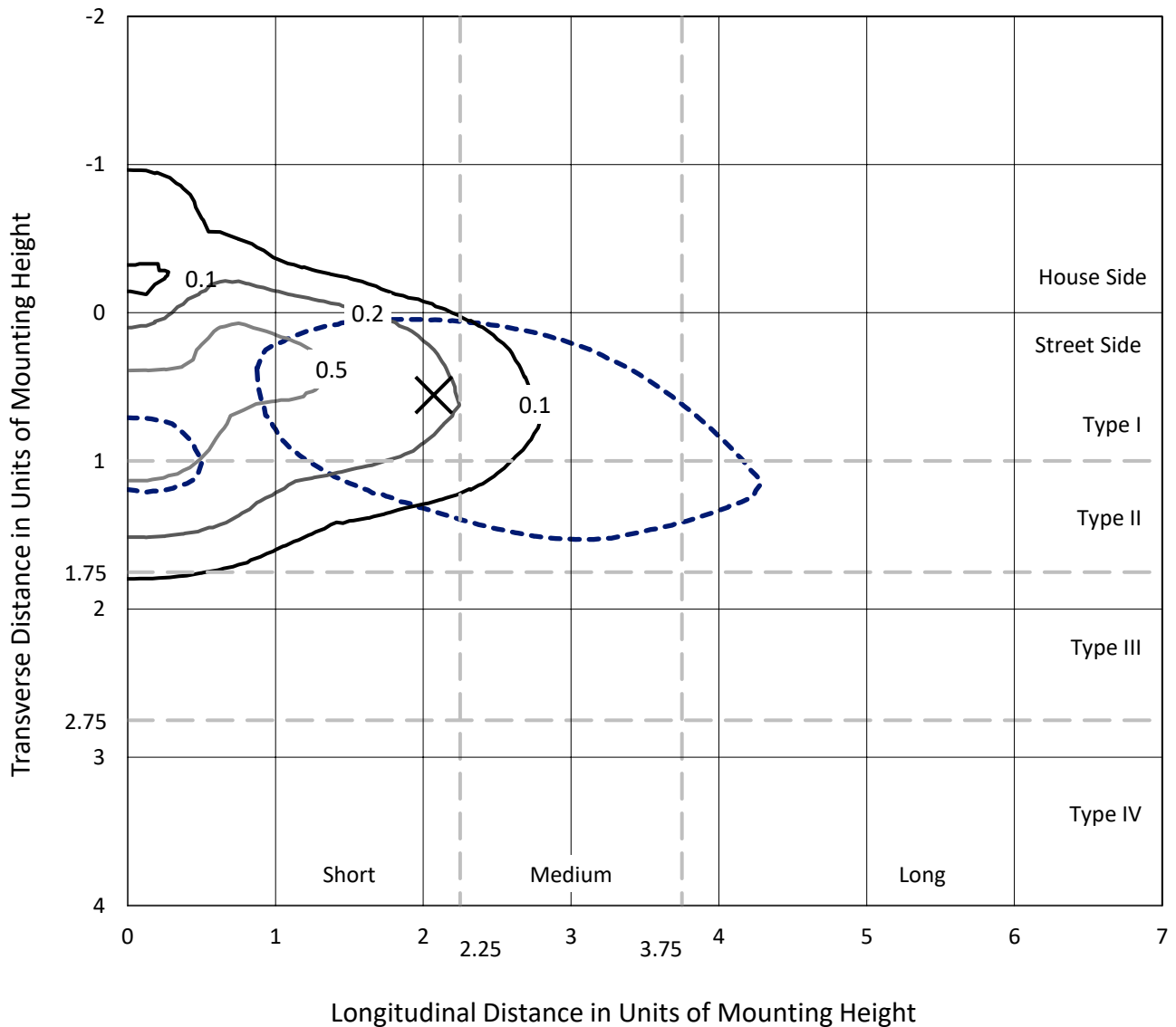
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694951  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

### Iso-Footcandle Lines of Horizontal Illumination

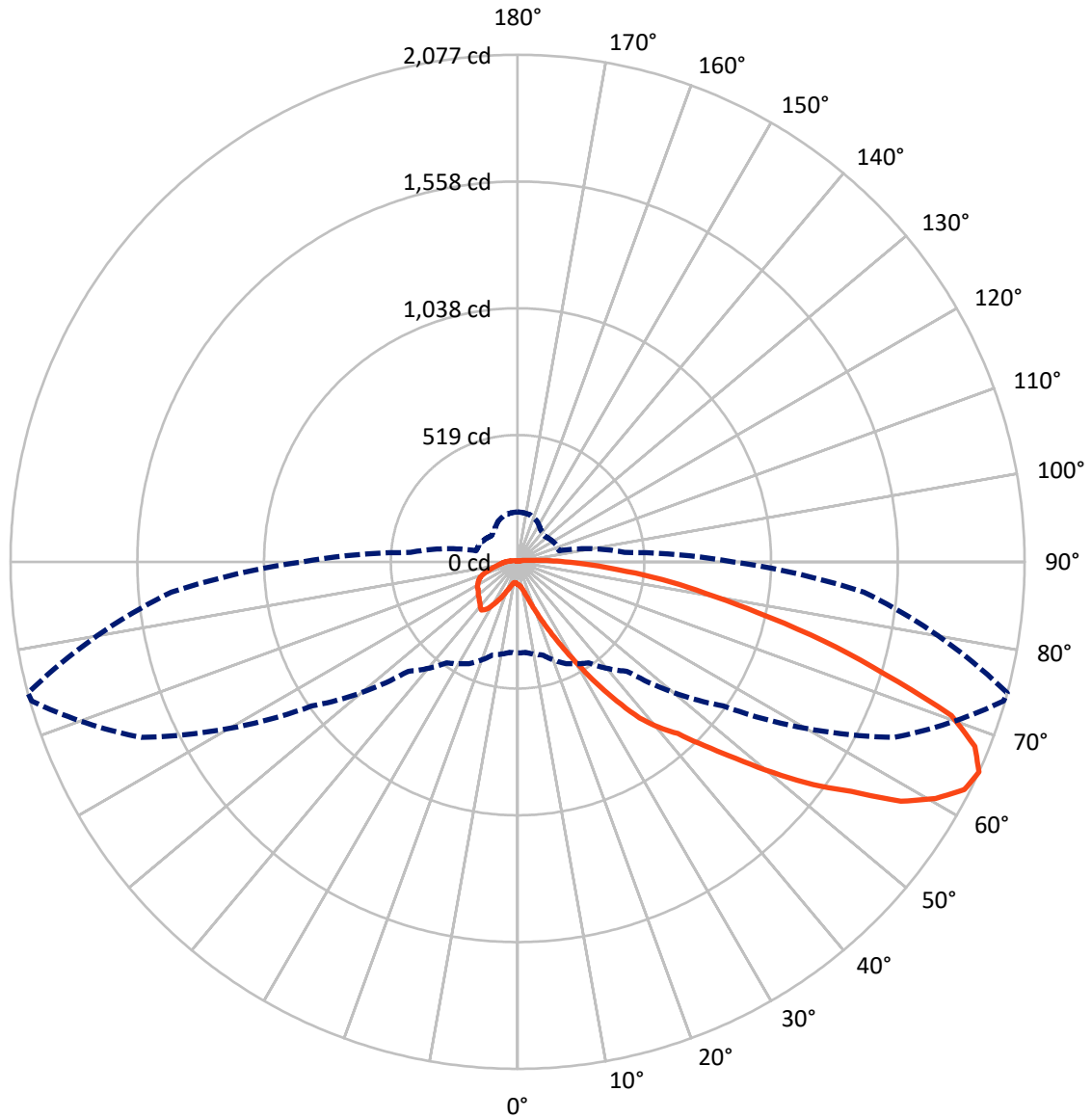
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P694951  
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694951  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

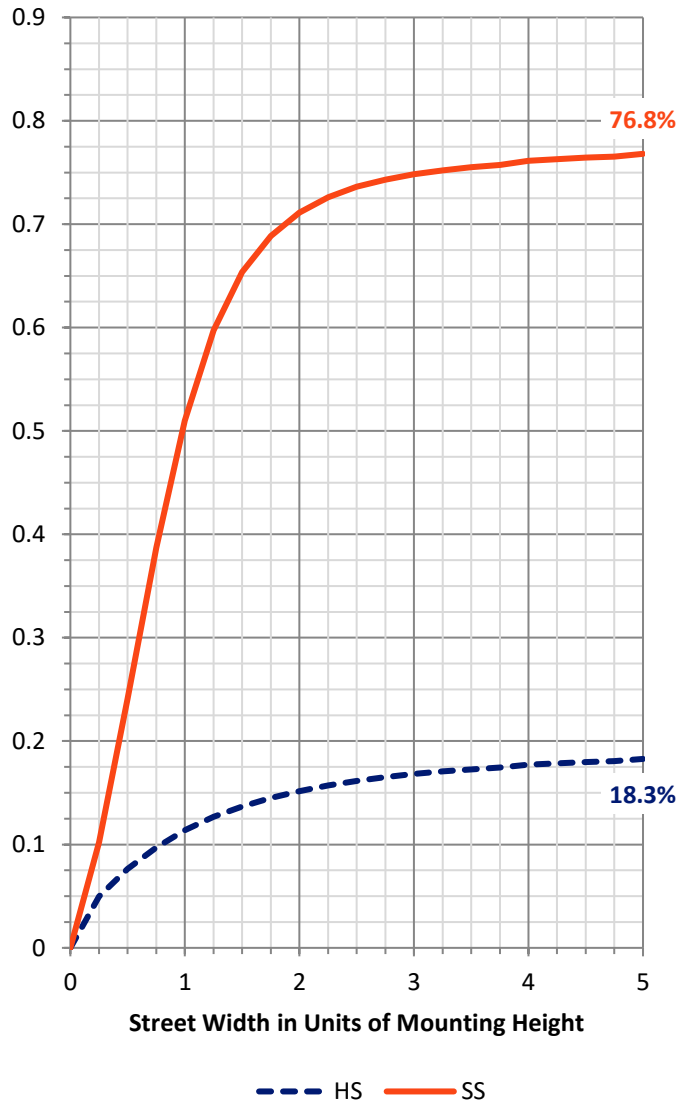
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	505.3	40.1	545.4
	% Fixture	19.1	1.5	20.7
<b>Street Side</b>	Lumens	2053.3	40.3	2093.6
	% Fixture	77.8	1.5	79.3
<b>Total</b>	Lumens	2558.6	80.4	2639.0
	% Fixture	97.0	3.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.4	0.4
10°-20°	40.3	1.5
20°-30°	125.8	4.8
30°-40°	299.0	11.3
40°-50°	462.9	17.5
50°-60°	577.6	21.9
60°-70°	565.1	21.4
70°-80°	343.7	13.0
80°-90°	135.0	5.1
90°-100°	42.1	1.6
100°-110°	16.8	0.6
110°-120°	9.3	0.4
120°-130°	6.1	0.2
130°-140°	4.1	0.2
140°-150°	1.8	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2558.6	97.0
0°-180°	2639.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P694951

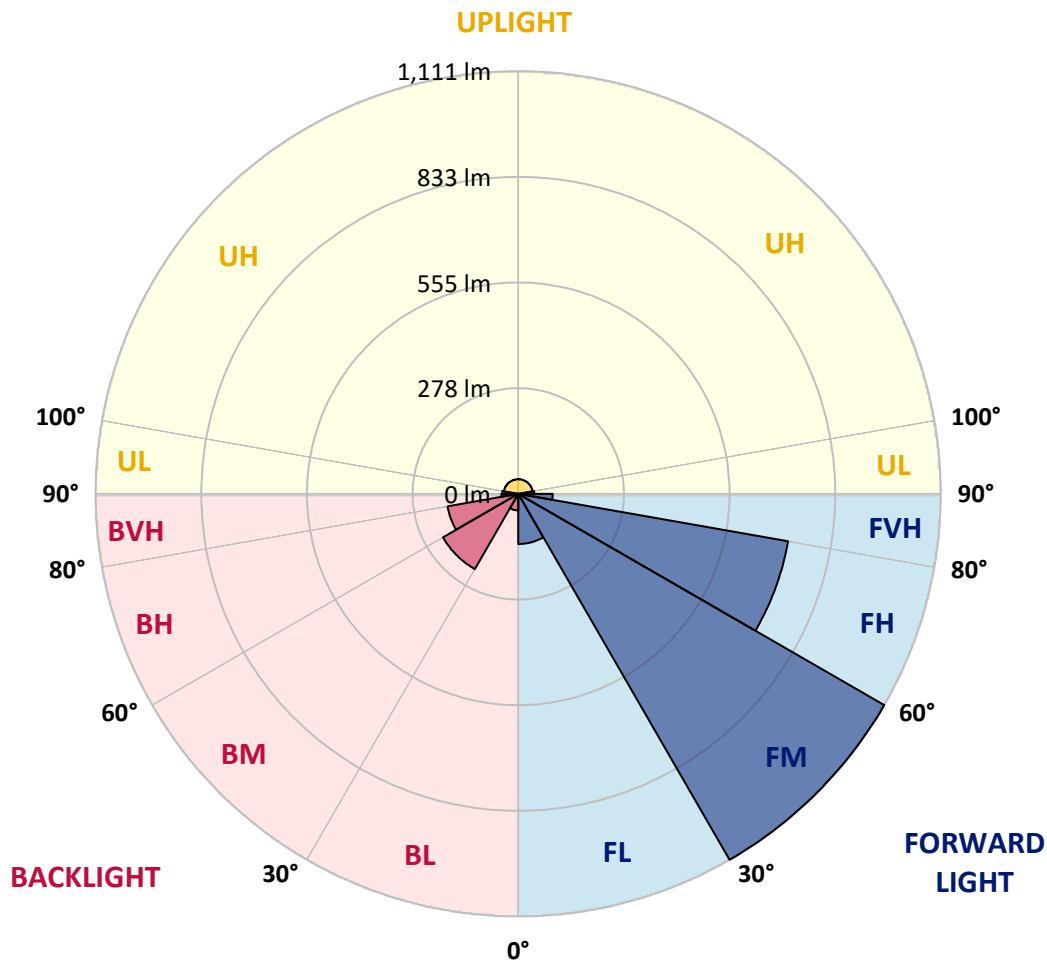
CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	131.9	5.0			
FM (30°-60°)	1110.8	42.1			
FH (60°-80°)	720.0	27.3			G1/1800
FVH (80°-90°)	90.6	3.4			G1/100
BL (0°-30°)	43.5	1.6	B0/110		
BM (30°-60°)	228.6	8.7	B1/1000		
BH (60°-80°)	188.8	7.2	B1/500		G1/500
BVH (80°-90°)	44.4	1.7			G1/100
UL (90°-100°)	42.1	1.6		U2/50	
UH (100°-180°)	38.3	1.5		U2/50	

**BUG Rating: B1-U2-G1**

Type II Short



REPORT NUMBER: P694951  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	102.4	103.4	102.4	101.5	100.5	99.5	97.6	96.6	94.6	94.6	92.7
5°	119.0	119.0	119.0	116.1	114.1	112.2	107.3	103.4	99.5	98.5	95.6
7.5°	139.5	137.6	136.6	133.6	129.7	125.8	119.0	112.2	106.3	105.4	99.5
10°	163.9	162.9	161.9	158.0	151.2	144.4	134.6	125.8	116.1	115.1	105.4
12.5°	197.1	196.1	192.2	187.3	177.5	166.8	155.1	144.4	131.7	130.7	117.1
15°	233.2	234.1	231.2	221.4	211.7	197.1	183.4	170.7	157.1	153.2	135.6
17.5°	287.8	286.8	280.0	263.4	251.7	236.1	218.5	201.9	185.4	182.4	160.0
20°	347.3	349.2	339.5	316.1	297.5	279.0	264.4	240.0	223.4	221.4	190.2
22.5°	423.4	428.3	407.8	384.4	353.1	331.7	317.1	293.6	270.2	270.2	230.2
25°	522.9	524.8	497.5	459.5	420.5	387.3	374.6	360.0	332.7	328.8	281.9
27.5°	625.3	631.2	599.0	549.2	490.7	450.7	442.9	435.1	401.9	400.9	335.6
30°	784.3	781.4	726.8	655.6	570.7	518.0	513.1	521.9	490.7	486.8	405.8
32.5°	928.7	923.8	865.3	771.7	655.6	593.1	585.3	614.6	593.1	592.2	485.8
35°	1047.7	1040.9	988.2	882.9	747.3	662.4	667.3	716.0	705.3	700.4	559.0
37.5°	1103.3	1115.0	1070.2	967.7	826.3	733.6	756.0	828.2	818.5	811.6	639.0
40°	1141.4	1157.0	1110.2	1013.6	880.9	797.0	833.1	920.9	900.4	891.6	673.1
42.5°	1155.0	1167.7	1136.5	1039.9	914.1	844.8	892.6	989.2	976.5	961.9	721.9
45°	1146.3	1161.9	1137.5	1051.6	930.7	874.1	936.5	1076.0	1085.8	1074.1	791.2
47.5°	1112.1	1129.7	1120.9	1051.6	935.5	888.7	989.2	1186.3	1208.7	1202.8	867.3
50°	1020.4	1039.9	1055.5	1031.1	930.7	893.6	1047.7	1295.5	1361.9	1358.0	972.6
52.5°	946.3	961.9	967.7	966.8	912.1	900.4	1103.3	1437.9	1521.8	1516.0	1067.2
55°	846.8	856.5	884.8	878.0	850.7	890.7	1145.3	1542.3	1666.2	1659.4	1175.5
57.5°	675.1	691.7	744.3	799.9	774.6	858.5	1163.8	1637.0	1859.4	1850.6	1300.4
60°	574.6	579.5	609.7	662.4	697.5	794.1	1157.0	1734.5	1975.5	1967.7	1357.0
62.5°	468.3	471.2	509.2	554.1	603.9	722.9	1117.0	1740.4	2050.6	2054.5	1412.6
65°	373.6	372.7	395.1	459.5	505.3	634.1	1030.2	1701.3	2070.1	2076.9	1423.3
67.5°	284.9	293.6	322.9	356.1	418.5	531.7	906.3	1598.9	2017.4	2019.4	1379.4
70°	196.1	200.0	227.3	280.0	326.8	440.9	769.7	1440.9	1884.7	1884.7	1254.5
72.5°	141.5	146.3	160.0	194.1	252.7	345.3	636.1	1237.0	1588.2	1572.6	1050.7
75°	105.4	106.3	119.0	139.5	178.5	269.2	494.6	972.6	1289.7	1294.5	863.4
77.5°	81.9	82.9	88.8	103.4	130.7	196.1	367.8	750.2	1004.8	1006.8	666.3
80°	68.3	69.3	72.2	80.0	97.6	140.5	270.2	564.8	776.5	777.5	519.0
82.5°	56.6	57.6	60.5	65.4	76.1	104.4	194.1	432.2	588.3	596.1	389.2
85°	47.8	48.8	50.7	54.6	62.4	81.0	140.5	310.2	414.6	411.7	269.2
87.5°	39.0	39.0	41.9	44.9	50.7	65.4	103.4	212.7	281.0	278.0	187.3
90°	29.3	30.2	32.2	36.1	41.9	51.7	75.1	139.5	174.6	174.6	119.0
92.5°	21.5	21.5	24.4	28.3	33.2	41.9	54.6	88.8	104.4	105.4	77.1
95°	15.6	15.6	17.6	19.5	25.4	33.2	40.0	54.6	64.4	62.4	52.7
97.5°	12.7	12.7	13.7	15.6	19.5	26.3	31.2	39.0	42.9	42.9	39.0
100°	10.7	10.7	11.7	11.7	15.6	21.5	25.4	28.3	31.2	32.2	31.2
102.5°	8.8	9.8	9.8	9.8	12.7	18.5	20.5	22.4	24.4	24.4	24.4
105°	7.8	7.8	8.8	8.8	10.7	15.6	17.6	18.5	19.5	19.5	19.5
107.5°	6.8	6.8	7.8	7.8	9.8	13.7	14.6	14.6	15.6	15.6	15.6
110°	6.8	6.8	6.8	6.8	8.8	11.7	11.7	11.7	11.7	11.7	12.7

REPORT NUMBER: P694951

CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	5.9	5.9	6.8	6.8	7.8	10.7	10.7	9.8	9.8	9.8	11.7
115°	5.9	5.9	5.9	6.8	7.8	8.8	8.8	8.8	8.8	8.8	9.8
117.5°	5.9	5.9	5.9	6.8	6.8	8.8	7.8	7.8	7.8	7.8	8.8
120°	5.9	5.9	5.9	5.9	6.8	7.8	7.8	6.8	6.8	6.8	7.8
122.5°	5.9	5.9	5.9	5.9	6.8	6.8	6.8	5.9	5.9	5.9	7.8
125°	5.9	5.9	6.8	6.8	6.8	6.8	6.8	5.9	5.9	5.9	6.8
127.5°	6.8	6.8	6.8	6.8	5.9	6.8	5.9	5.9	5.9	5.9	6.8
130°	7.8	7.8	7.8	6.8	5.9	5.9	5.9	5.9	5.9	5.9	6.8
132.5°	7.8	7.8	7.8	6.8	5.9	5.9	4.9	4.9	5.9	5.9	5.9
135°	7.8	7.8	6.8	5.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9
137.5°	6.8	6.8	6.8	5.9	4.9	4.9	3.9	3.9	4.9	4.9	4.9
140°	5.9	5.9	5.9	4.9	3.9	3.9	2.9	2.9	3.9	3.9	3.9
142.5°	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9
145°	3.9	3.9	3.9	2.9	2.9	2.9	2.0	2.0	2.9	2.9	2.9
147.5°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	2.9	2.9	2.9	2.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0
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: P694951  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2.5°	92.7	91.7	89.7	88.8	86.8	85.8	84.9	83.9	84.9	83.9	83.9
5°	93.7	91.7	87.8	83.9	81.0	79.0	77.1	75.1	75.1	74.1	73.2
7.5°	95.6	92.7	85.8	81.0	75.1	71.2	68.3	66.3	65.4	64.4	64.4
10°	100.5	95.6	86.8	78.0	71.2	65.4	61.5	59.5	57.6	57.6	57.6
12.5°	110.2	104.4	90.7	78.0	68.3	61.5	56.6	54.6	54.6	54.6	54.6
15°	126.8	117.1	99.5	82.9	69.3	59.5	56.6	57.6	59.5	61.5	60.5
17.5°	147.3	135.6	111.2	89.7	73.2	64.4	62.4	65.4	68.3	70.2	71.2
20°	172.7	155.1	123.9	96.6	80.0	74.1	72.2	75.1	79.0	81.9	81.9
22.5°	205.8	182.4	140.5	106.3	89.7	83.9	81.9	84.9	89.7	92.7	92.7
25°	247.8	215.6	161.0	119.0	100.5	91.7	91.7	95.6	102.4	106.3	107.3
27.5°	294.6	250.7	179.5	134.6	112.2	100.5	101.5	109.3	117.1	122.9	122.9
30°	345.3	292.7	201.0	148.3	121.0	109.3	110.2	120.0	130.7	138.5	137.6
32.5°	405.8	336.6	223.4	161.9	129.7	116.1	119.0	133.6	146.3	156.1	155.1
35°	467.3	374.6	238.0	174.6	137.6	121.9	126.8	145.4	160.0	168.8	168.8
37.5°	515.1	405.8	246.8	181.5	144.4	126.8	132.7	153.2	168.8	176.6	175.6
40°	531.7	405.8	240.0	182.4	147.3	130.7	137.6	157.1	170.7	175.6	172.7
42.5°	557.0	413.6	230.2	176.6	148.3	133.6	139.5	157.1	165.8	166.8	164.9
45°	593.1	426.3	223.4	172.7	146.3	134.6	139.5	154.1	164.9	167.8	165.8
47.5°	639.0	439.0	215.6	170.7	146.3	134.6	139.5	157.1	167.8	167.8	165.8
50°	697.5	459.5	211.7	171.7	149.3	135.6	142.4	161.0	170.7	168.8	167.8
52.5°	742.4	464.4	204.9	174.6	152.2	137.6	145.4	164.9	173.6	169.7	168.8
55°	800.9	476.1	197.1	174.6	157.1	142.4	149.3	168.8	175.6	170.7	169.7
57.5°	861.4	488.7	196.1	173.6	159.0	146.3	153.2	171.7	177.5	173.6	172.7
60°	878.0	474.1	190.2	176.6	160.0	150.2	156.1	174.6	183.4	181.5	181.5
62.5°	891.6	462.4	183.4	175.6	162.9	150.2	159.0	179.5	193.2	193.2	193.2
65°	881.9	440.0	175.6	171.7	161.9	151.2	162.9	185.4	199.0	202.9	203.9
67.5°	840.9	408.8	167.8	165.8	157.1	151.2	163.9	185.4	201.9	207.8	207.8
70°	753.1	357.0	154.1	154.1	150.2	145.4	161.0	182.4	196.1	202.9	202.9
72.5°	631.2	295.6	133.6	138.5	137.6	136.6	153.2	172.7	181.5	187.3	186.3
75°	502.4	238.0	116.1	118.0	120.0	122.9	140.5	156.1	159.0	163.9	162.9
77.5°	394.1	190.2	98.5	100.5	102.4	109.3	125.8	135.6	137.6	140.5	139.5
80°	308.3	156.1	84.9	84.9	87.8	94.6	108.3	117.1	121.0	122.9	120.0
82.5°	240.0	127.8	75.1	72.2	75.1	81.0	91.7	99.5	102.4	102.4	101.5
85°	170.7	102.4	66.3	62.4	63.4	69.3	79.0	83.9	85.8	84.9	82.9
87.5°	124.9	83.9	58.5	52.7	53.7	61.5	68.3	71.2	72.2	73.2	71.2
90°	87.8	67.3	50.7	43.9	43.9	51.7	58.5	59.5	60.5	60.5	59.5
92.5°	62.4	52.7	41.9	36.1	36.1	42.9	47.8	46.8	47.8	46.8	44.9
95°	45.9	41.0	35.1	29.3	28.3	33.2	35.1	34.1	35.1	34.1	34.1
97.5°	36.1	33.2	29.3	24.4	22.4	25.4	26.3	26.3	28.3	26.3	26.3
100°	29.3	27.3	25.4	20.5	18.5	20.5	21.5	22.4	23.4	22.4	22.4
102.5°	24.4	23.4	21.5	18.5	16.6	17.6	18.5	19.5	20.5	20.5	19.5
105°	19.5	19.5	18.5	15.6	14.6	14.6	15.6	16.6	18.5	18.5	18.5
107.5°	15.6	16.6	15.6	13.7	12.7	12.7	13.7	14.6	15.6	16.6	16.6
110°	13.7	13.7	13.7	11.7	11.7	11.7	11.7	12.7	14.6	15.6	15.6

REPORT NUMBER: P694951

CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	11.7	11.7	10.7	10.7	10.7	10.7	10.7	12.7	13.7	14.6
115°	10.7	10.7	10.7	9.8	9.8	9.8	9.8	9.8	11.7	12.7	12.7
117.5°	9.8	9.8	9.8	8.8	8.8	8.8	8.8	8.8	9.8	11.7	11.7
120°	8.8	8.8	8.8	7.8	7.8	7.8	7.8	7.8	8.8	10.7	10.7
122.5°	7.8	7.8	7.8	7.8	6.8	6.8	6.8	6.8	7.8	9.8	9.8
125°	6.8	7.8	6.8	6.8	6.8	6.8	5.9	6.8	7.8	8.8	8.8
127.5°	6.8	6.8	6.8	6.8	5.9	5.9	5.9	5.9	6.8	7.8	7.8
130°	6.8	6.8	6.8	5.9	5.9	4.9	4.9	5.9	5.9	6.8	6.8
132.5°	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	5.9	5.9	5.9
135°	5.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	5.9	5.9
137.5°	4.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
140°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9	3.9
142.5°	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
145°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.9	2.9	2.9	2.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
150°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
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

(END OF REPORT)