

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: P695214

Luminaire Tested: **LXF.LXT-PA16-40-827-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695214  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3659 lumens  
Efficiency: N/A  
Efficacy: 91.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G2

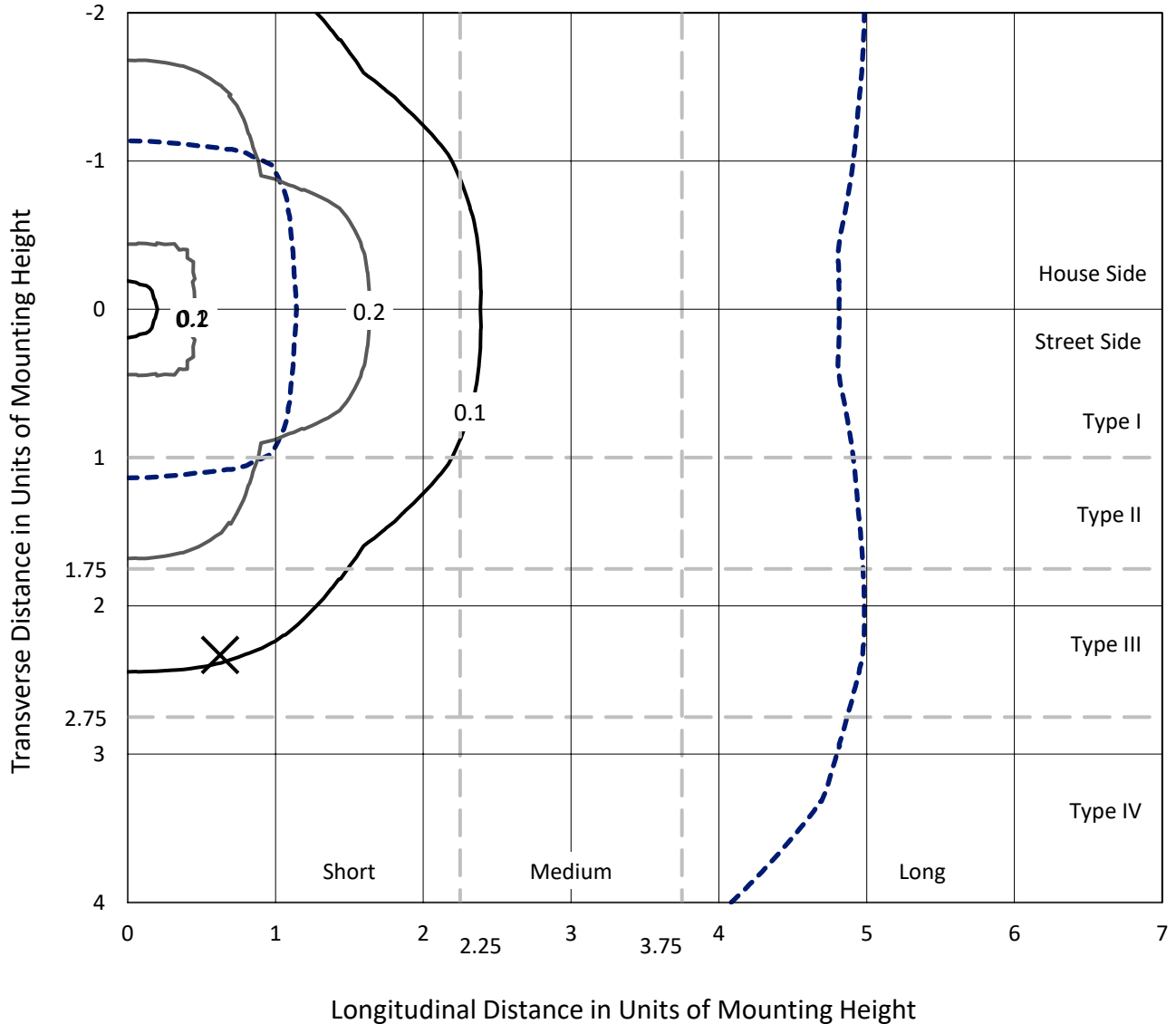
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695214  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

### Iso-Footcandle Lines of Horizontal Illumination

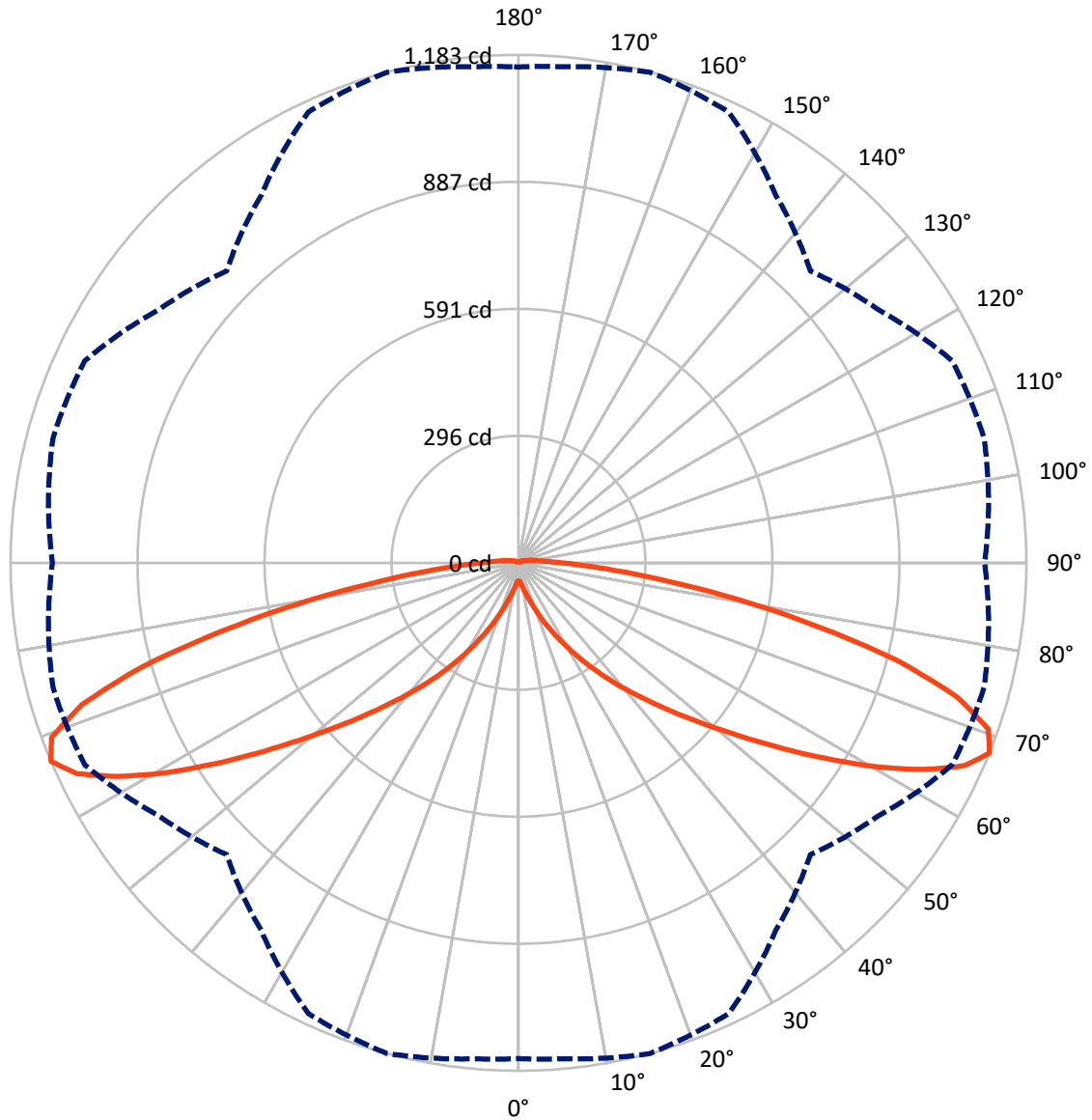
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P695214  
CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695214  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

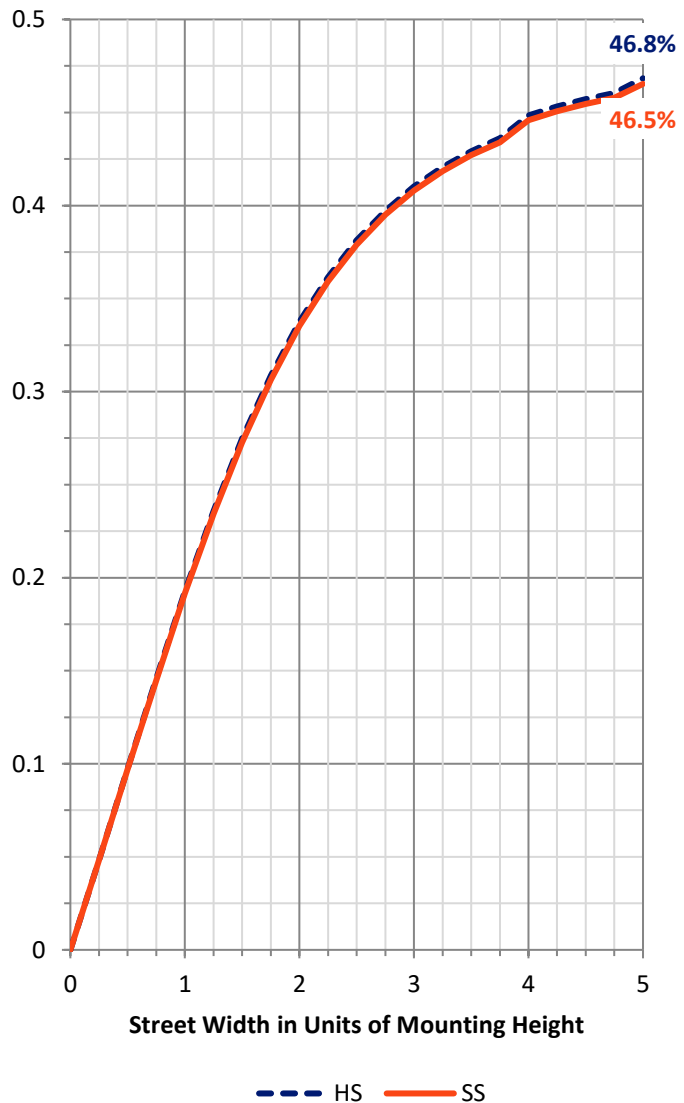
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1770.7	58.8	1829.5
	% Fixture	48.4	1.6	50.0
<b>Street Side</b>	Lumens	1770.7	58.8	1829.5
	% Fixture	48.4	1.6	50.0
<b>Total</b>	Lumens	3541.4	117.6	3659.0
	% Fixture	96.8	3.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	24.8	0.7
20°-30°	77.9	2.1
30°-40°	183.1	5.0
40°-50°	357.1	9.8
50°-60°	653.4	17.9
60°-70°	1026.8	28.1
70°-80°	905.3	24.7
80°-90°	307.9	8.4
90°-100°	69.0	1.9
100°-110°	26.5	0.7
110°-120°	11.7	0.3
120°-130°	5.8	0.2
130°-140°	3.2	0.1
140°-150°	1.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3541.4	96.8
0°-180°	3659.0	100.0

**Coefficient of Utilization**



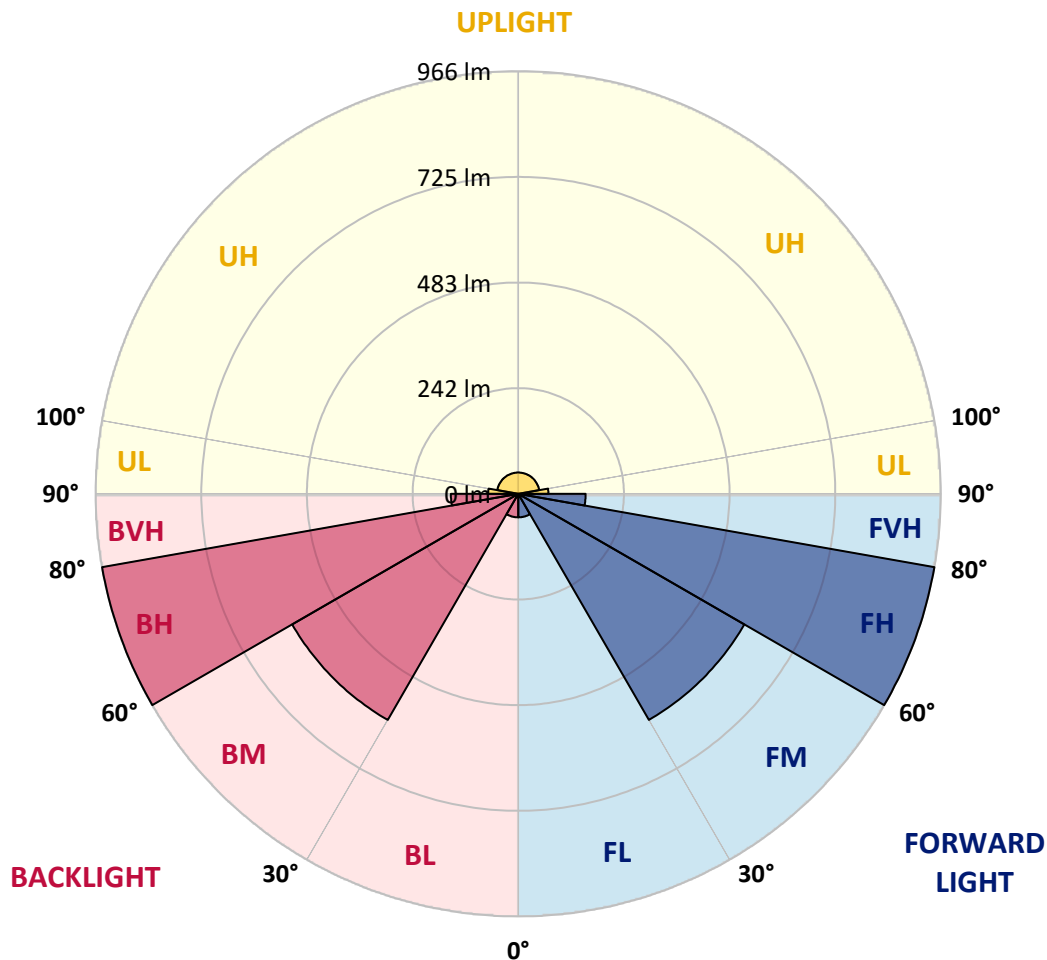
REPORT NUMBER: P695214  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	53.8	1.5			
FM (30°-60°)	596.9	16.3			
FH (60°-80°)	966.1	26.4			G1/1800
FVH (80°-90°)	154.0	4.2			G2/225
BL (0°-30°)	53.8	1.5	B0/110		
BM (30°-60°)	596.9	16.3	B1/1000		
BH (60°-80°)	966.1	26.4	B2/1000		G1/1800
BVH (80°-90°)	154.0	4.2			G2/225
UL (90°-100°)	69.0	1.9		U3/500	
UH (100°-180°)	48.7	1.3		U2/50	

**BUG Rating: B2-U3-G2**

Type V Short



REPORT NUMBER: P695214  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
2.5°	43.1	43.1	43.1	43.1	44.3	44.3	44.3	43.1	43.1	43.1	43.1
5°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	45.6
7.5°	51.7	51.7	51.7	51.7	51.7	53.0	51.7	51.7	51.7	51.7	51.7
10°	60.4	60.4	60.4	60.4	59.1	59.1	59.1	59.1	57.9	59.1	57.9
12.5°	71.4	71.4	71.4	70.2	69.0	69.0	69.0	67.8	69.0	69.0	69.0
15°	86.2	86.2	85.0	83.8	81.3	80.1	81.3	81.3	81.3	82.5	82.5
17.5°	102.2	103.5	101.0	98.5	96.1	96.1	94.9	96.1	98.5	99.8	99.8
20°	125.6	124.4	120.7	117.0	113.3	112.1	112.1	115.8	118.3	119.5	120.7
22.5°	149.1	149.1	145.4	138.0	133.0	130.6	131.8	135.5	141.7	146.6	146.6
25°	178.6	176.2	171.2	161.4	154.0	151.5	152.7	158.9	168.8	172.5	174.9
27.5°	208.2	207.0	199.6	188.5	177.4	172.5	176.2	187.2	198.3	205.7	208.2
30°	242.7	241.4	232.8	218.0	203.3	195.9	202.0	215.6	232.8	241.4	243.9
32.5°	280.9	279.6	268.5	248.8	229.1	221.7	229.1	248.8	268.5	279.6	280.9
35°	321.5	317.8	305.5	283.3	257.5	247.6	257.5	283.3	306.7	321.5	322.7
37.5°	362.2	359.7	346.1	320.3	289.5	277.2	288.3	321.5	347.4	364.6	360.9
40°	404.0	402.8	389.3	358.5	324.0	308.0	325.2	358.5	390.5	409.0	410.2
42.5°	452.1	452.1	434.8	402.8	360.9	342.5	360.9	404.0	439.8	454.6	455.8
45°	505.1	501.4	487.8	453.3	405.3	383.1	405.3	453.3	489.0	506.3	505.1
47.5°	560.5	558.0	545.7	511.2	454.6	431.1	453.3	508.8	545.7	558.0	558.0
50°	624.5	622.1	611.0	575.3	513.7	485.3	514.9	570.3	611.0	622.1	618.4
52.5°	698.5	691.1	686.1	651.6	585.1	548.2	580.2	646.7	683.7	686.1	686.1
55°	771.1	776.1	772.4	735.4	661.5	617.2	656.6	729.3	762.5	767.4	761.3
57.5°	863.5	868.5	866.0	827.8	747.7	694.8	739.1	819.2	847.5	846.3	845.0
60°	965.8	968.2	965.8	932.5	843.8	777.3	830.3	914.0	941.1	933.7	927.6
62.5°	1055.7	1058.2	1059.4	1034.8	928.8	854.9	909.1	1004.0	1024.9	1012.6	1008.9
65°	1128.4	1127.1	1139.5	1113.6	1001.5	919.0	980.6	1080.3	1092.7	1072.9	1066.8
67.5°	1154.2	1159.2	1182.6	1157.9	1044.6	960.8	1024.9	1113.6	1122.2	1097.6	1085.3
70°	1121.0	1132.1	1160.4	1148.1	1044.6	967.0	1026.1	1103.7	1100.0	1069.2	1056.9
72.5°	1029.8	1032.3	1068.0	1074.2	997.8	933.7	979.3	1034.8	1016.3	974.4	970.7
75°	868.5	868.5	912.8	939.9	898.0	846.3	882.0	906.6	878.3	829.0	822.9
77.5°	665.2	672.6	709.5	768.7	758.8	734.2	750.2	755.1	696.0	644.3	645.5
80°	468.1	478.0	517.4	577.7	595.0	593.8	597.4	565.4	510.0	468.1	461.9
82.5°	314.1	309.2	346.1	400.4	441.0	448.4	445.9	401.6	347.4	308.0	303.0
85°	190.9	192.2	221.7	266.1	303.0	321.5	308.0	268.5	219.3	193.4	192.2
87.5°	118.3	120.7	138.0	167.5	205.7	223.0	208.2	173.7	138.0	119.5	118.3
90°	80.1	80.1	91.2	109.6	135.5	152.7	139.2	112.1	91.2	80.1	78.8
92.5°	57.9	60.4	64.1	76.4	94.9	105.9	96.1	76.4	64.1	57.9	56.7
95°	45.6	45.6	49.3	55.4	69.0	76.4	69.0	56.7	49.3	44.3	44.3
97.5°	35.7	37.0	39.4	44.3	53.0	57.9	53.0	44.3	39.4	35.7	34.5
100°	28.3	29.6	32.0	37.0	43.1	45.6	43.1	37.0	32.0	28.3	28.3
102.5°	22.2	23.4	25.9	30.8	35.7	37.0	35.7	29.6	25.9	22.2	22.2
105°	17.2	17.2	20.9	25.9	29.6	30.8	29.6	24.6	20.9	17.2	17.2
107.5°	13.6	13.6	17.2	20.9	24.6	25.9	24.6	20.9	16.0	13.6	13.6
110°	11.1	11.1	13.6	17.2	20.9	22.2	20.9	17.2	13.6	11.1	11.1

REPORT NUMBER: P695214  
 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-5WQ-TL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.6	8.6	11.1	14.8	17.2	18.5	17.2	14.8	11.1	8.6	8.6
115°	7.4	7.4	8.6	12.3	14.8	16.0	14.8	12.3	8.6	7.4	7.4
117.5°	6.2	6.2	7.4	9.9	12.3	13.6	12.3	9.9	7.4	6.2	6.2
120°	6.2	6.2	6.2	8.6	11.1	12.3	11.1	8.6	6.2	6.2	6.2
122.5°	4.9	4.9	6.2	7.4	9.9	9.9	8.6	7.4	6.2	4.9	4.9
125°	4.9	4.9	4.9	6.2	7.4	8.6	7.4	6.2	4.9	4.9	4.9
127.5°	4.9	4.9	4.9	4.9	7.4	7.4	7.4	4.9	4.9	4.9	4.9
130°	3.7	3.7	3.7	4.9	6.2	6.2	6.2	4.9	4.9	3.7	4.9
132.5°	3.7	3.7	3.7	4.9	4.9	6.2	4.9	4.9	3.7	3.7	3.7
135°	3.7	3.7	3.7	3.7	4.9	4.9	4.9	3.7	3.7	3.7	3.7
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	2.5	2.5	2.5	2.5	3.7	3.7	3.7	2.5	2.5	3.7	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	1.2	2.5	1.2	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5
150°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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)