

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: P695751

Luminaire Tested: **LXF.LXT-PA16-60-827-U-5WQ-A**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695751  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-827-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5230 lumens  
Efficiency: N/A  
Efficacy: 84.4 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: B3 - U3 - G3

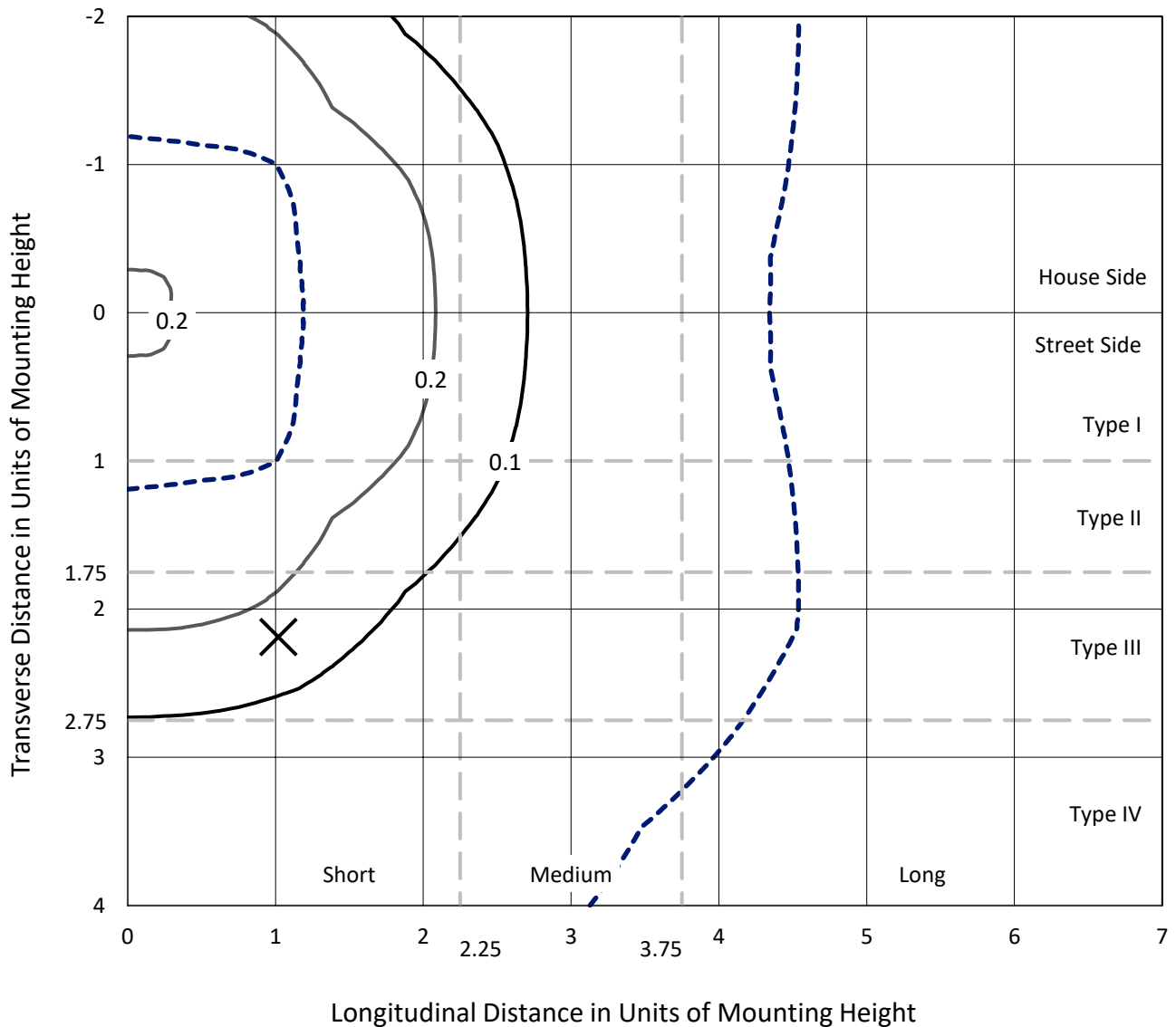
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695751  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

### Iso-Footcandle Lines of Horizontal Illumination

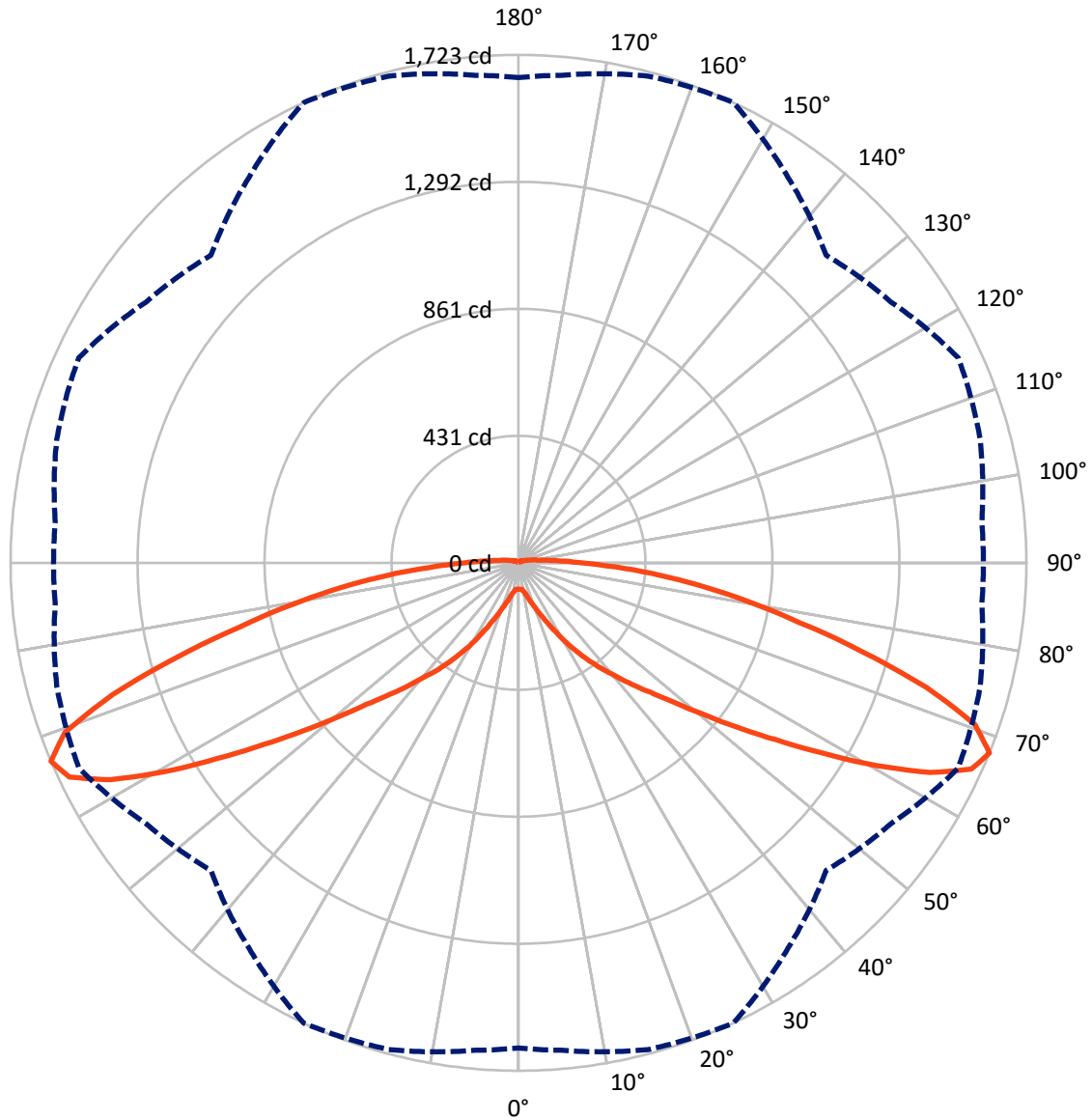
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P695751  
CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695751  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

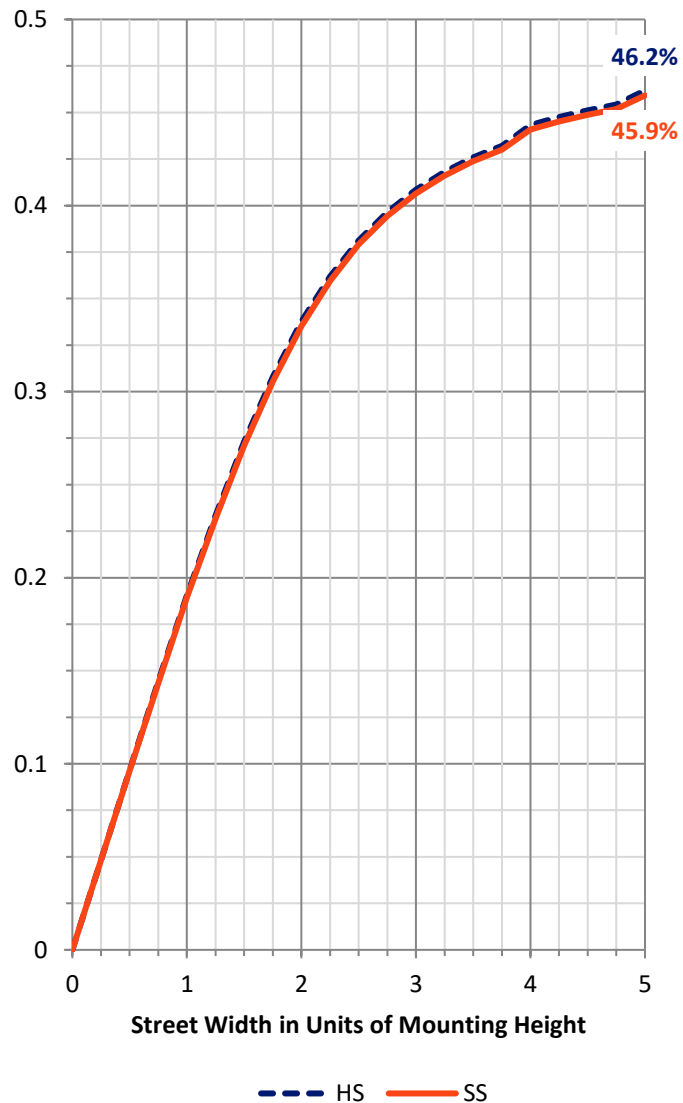
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2521.1	94.0	2615.0
	% Fixture	48.2	1.8	50.0
<b>Street Side</b>	Lumens	2521.1	94.0	2615.0
	% Fixture	48.2	1.8	50.0
<b>Total</b>	Lumens	5042.1	187.9	5230.0
	% Fixture	96.4	3.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.9	0.2
10°-20°	36.8	0.7
20°-30°	109.4	2.1
30°-40°	262.2	5.0
40°-50°	492.5	9.4
50°-60°	935.4	17.9
60°-70°	1518.5	29.0
70°-80°	1192.2	22.8
80°-90°	486.3	9.3
90°-100°	118.5	2.3
100°-110°	37.3	0.7
110°-120°	15.8	0.3
120°-130°	8.6	0.2
130°-140°	5.2	0.1
140°-150°	2.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5042.1	96.4
0°-180°	5230.0	100.0

**Coefficient of Utilization**



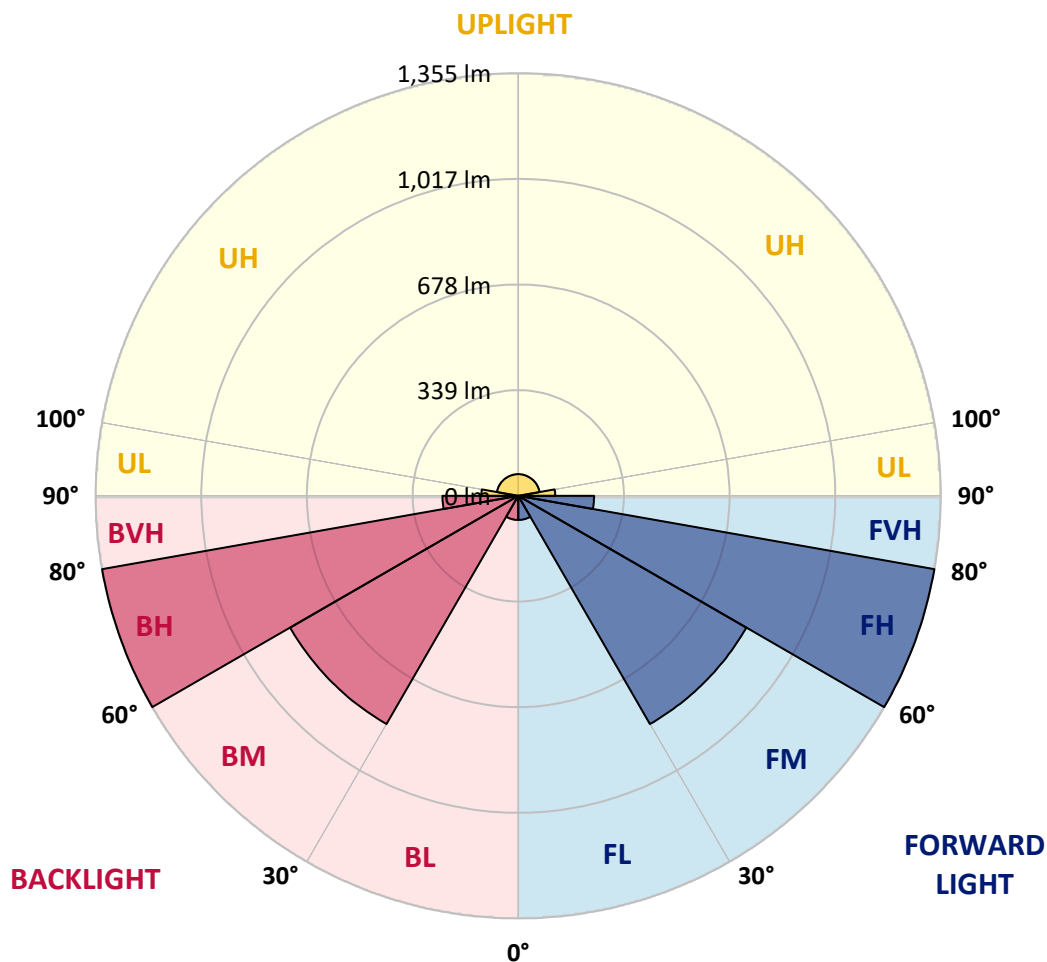
REPORT NUMBER: P695751  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.5	1.5			
FM (30°-60°)	845.1	16.2			
FH (60°-80°)	1355.3	25.9			G1/1800
FVH (80°-90°)	243.1	4.6			G3/500
BL (0°-30°)	77.5	1.5	B0/110		
BM (30°-60°)	845.1	16.2	B1/1000		
BH (60°-80°)	1355.3	25.9	B3/2500		G1/1800
BVH (80°-90°)	243.1	4.6			G3/500
UL (90°-100°)	118.5	2.3		U3/500	
UH (100°-180°)	69.4	1.3		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short



REPORT NUMBER: P695751  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
2.5°	87.7	87.7	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
5°	89.5	89.5	89.5	89.5	91.2	91.2	91.2	89.5	89.5	89.5	89.5
7.5°	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
10°	100.0	100.0	98.2	100.0	98.2	98.2	98.2	96.5	98.2	98.2	98.2
12.5°	112.3	112.3	110.5	108.8	107.0	105.3	105.3	105.3	107.0	108.8	108.8
15°	129.8	129.8	128.1	124.6	119.3	117.5	119.3	121.0	122.8	126.3	126.3
17.5°	150.9	150.9	147.4	142.1	136.8	135.1	136.8	140.3	143.9	147.4	149.1
20°	177.2	175.4	171.9	163.2	157.9	156.1	157.9	161.4	168.4	173.7	173.7
22.5°	208.8	208.8	201.7	191.2	182.5	180.7	180.7	189.5	198.2	207.0	208.8
25°	247.4	249.1	238.6	222.8	212.3	207.0	210.5	222.8	238.6	249.1	252.6
27.5°	298.2	296.5	282.4	261.4	243.9	235.1	243.9	261.4	284.2	296.5	301.7
30°	350.9	350.9	333.3	307.0	280.7	270.2	282.4	305.3	333.3	352.6	356.1
32.5°	403.5	403.5	382.4	354.4	321.0	305.3	321.0	357.9	394.7	419.3	424.5
35°	459.6	463.1	436.8	401.7	361.4	345.6	364.9	410.5	457.9	484.2	486.0
37.5°	505.2	505.2	487.7	452.6	403.5	384.2	410.5	471.9	521.0	543.8	550.9
40°	564.9	566.7	545.6	501.7	450.9	428.1	461.4	524.5	563.1	573.7	577.2
42.5°	626.3	628.1	610.5	563.1	500.0	475.4	508.8	564.9	600.0	615.8	621.0
45°	684.2	689.5	671.9	626.3	559.6	524.5	554.4	617.5	663.1	680.7	685.9
47.5°	761.4	770.2	750.9	703.5	626.3	584.2	615.8	694.7	749.1	763.1	763.1
50°	852.6	861.4	854.4	803.5	710.5	657.9	701.7	789.5	845.6	864.9	863.1
52.5°	973.7	977.2	970.1	922.8	815.8	750.9	798.2	905.2	959.6	952.6	961.4
55°	1100.0	1108.7	1114.0	1059.6	945.6	864.9	929.8	1035.1	1075.4	1078.9	1077.2
57.5°	1252.6	1266.6	1261.4	1219.3	1089.4	1005.2	1070.1	1173.6	1231.5	1228.0	1236.8
60°	1415.7	1422.8	1436.8	1396.5	1268.4	1154.4	1226.3	1347.3	1384.2	1357.9	1361.4
62.5°	1547.3	1557.8	1582.4	1566.6	1429.8	1307.0	1382.4	1480.7	1501.7	1475.4	1480.7
65°	1652.6	1661.4	1700.0	1687.7	1554.3	1428.0	1498.2	1598.2	1603.5	1564.9	1561.4
67.5°	1645.6	1659.6	1708.7	1722.8	1594.7	1475.4	1542.1	1645.6	1621.0	1577.1	1577.1
70°	1529.8	1531.5	1591.2	1642.1	1526.3	1415.7	1492.9	1566.6	1543.8	1492.9	1485.9
72.5°	1314.0	1335.0	1403.5	1447.3	1371.9	1284.2	1331.5	1403.5	1328.0	1257.9	1252.6
75°	1061.4	1057.9	1121.0	1205.2	1166.6	1093.0	1149.1	1164.9	1096.5	1036.8	1022.8
77.5°	847.3	854.4	908.7	973.7	966.6	919.3	935.1	949.1	887.7	824.5	821.0
80°	675.4	675.4	742.1	784.2	785.9	766.6	770.2	761.4	696.5	656.1	649.1
82.5°	505.2	508.8	554.4	608.8	643.8	638.6	626.3	600.0	547.4	503.5	501.7
85°	343.8	350.9	389.5	449.1	500.0	512.3	505.2	445.6	380.7	338.6	333.3
87.5°	226.3	231.6	254.4	301.7	368.4	401.7	373.7	308.8	254.4	231.6	224.6
90°	152.6	156.1	170.2	196.5	257.9	293.0	261.4	203.5	166.7	150.9	150.9
92.5°	103.5	105.3	115.8	133.3	173.7	203.5	175.4	135.1	112.3	101.8	100.0
95°	70.2	71.9	78.9	91.2	119.3	136.8	119.3	89.5	78.9	71.9	70.2
97.5°	54.4	56.1	59.6	66.7	84.2	94.7	82.5	66.7	59.6	56.1	54.4
100°	43.9	43.9	49.1	52.6	61.4	68.4	61.4	50.9	47.4	43.9	43.9
102.5°	35.1	36.8	38.6	42.1	49.1	54.4	49.1	40.3	36.8	35.1	35.1
105°	28.1	28.1	29.8	33.3	38.6	42.1	38.6	33.3	29.8	28.1	26.3
107.5°	22.8	21.1	24.6	28.1	31.6	35.1	31.6	26.3	22.8	21.1	21.1
110°	17.5	17.5	19.3	22.8	26.3	28.1	26.3	21.1	19.3	17.5	17.5

REPORT NUMBER: P695751  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-5WQ-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	15.8	17.5	22.8	24.6	21.1	17.5	15.8	14.0	14.0
115°	12.3	12.3	12.3	15.8	19.3	21.1	19.3	14.0	12.3	12.3	12.3
117.5°	10.5	10.5	10.5	12.3	15.8	17.5	15.8	12.3	10.5	10.5	10.5
120°	10.5	10.5	10.5	10.5	14.0	15.8	14.0	10.5	10.5	10.5	10.5
122.5°	8.8	8.8	8.8	10.5	12.3	14.0	12.3	10.5	8.8	8.8	8.8
125°	8.8	8.8	8.8	8.8	10.5	12.3	10.5	8.8	8.8	8.8	8.8
127.5°	7.0	7.0	7.0	8.8	10.5	10.5	10.5	8.8	7.0	7.0	7.0
130°	7.0	7.0	7.0	7.0	8.8	8.8	8.8	7.0	7.0	7.0	7.0
132.5°	7.0	7.0	7.0	7.0	8.8	8.8	8.8	7.0	7.0	7.0	7.0
135°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
137.5°	5.3	5.3	5.3	5.3	5.3	7.0	5.3	5.3	5.3	5.3	5.3
140°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
142.5°	5.3	5.3	3.5	3.5	5.3	5.3	3.5	3.5	3.5	5.3	5.3
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
150°	1.8	1.8	1.8	1.8	1.8	3.5	1.8	1.8	1.8	1.8	1.8
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)