

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: P695152

Luminaire Tested: **LXF.LXT-PA16-40-750-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-750-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5018.9 lumens  
Efficiency: N/A  
Efficacy: 124.8 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 - G2

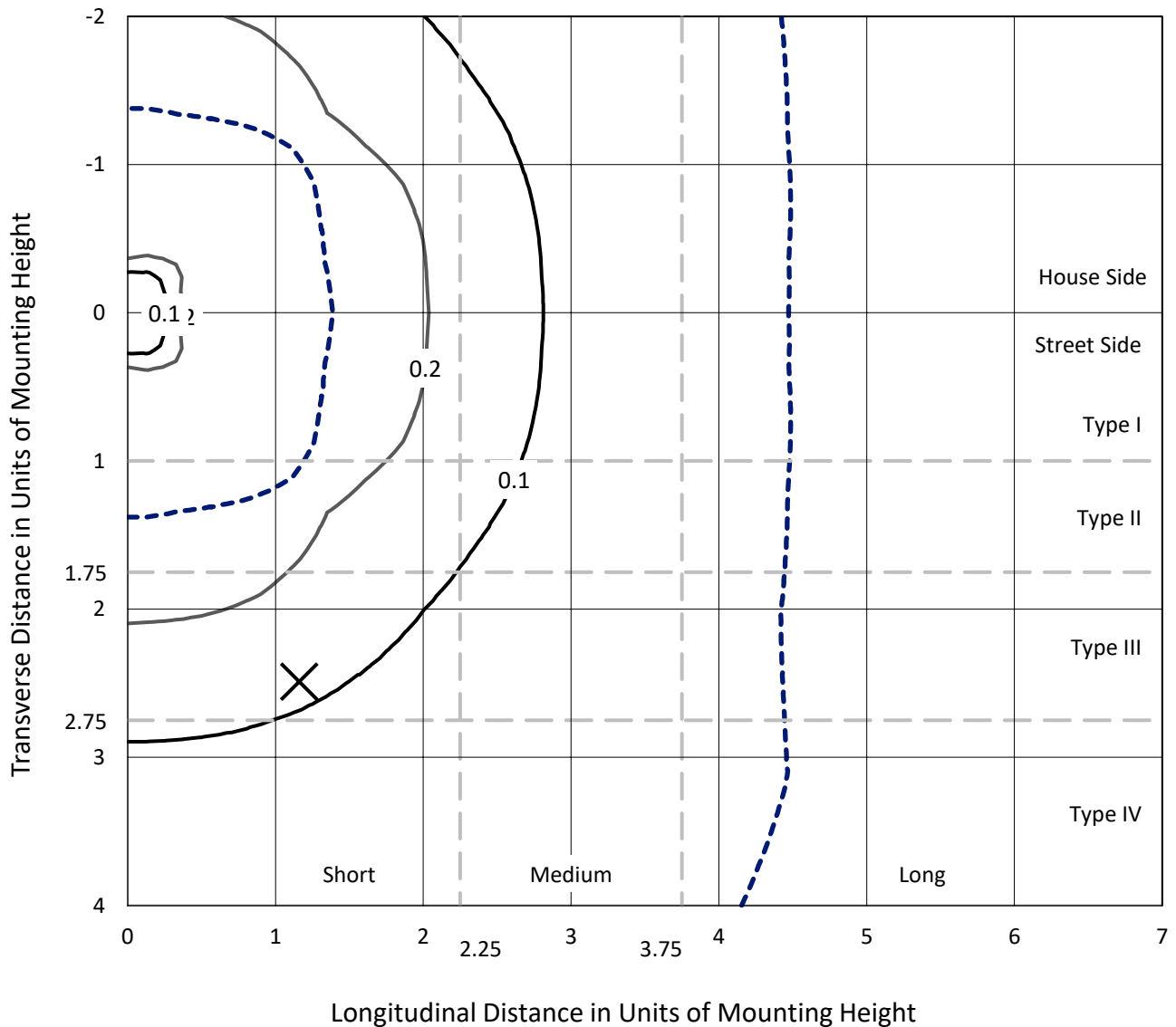
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695152  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

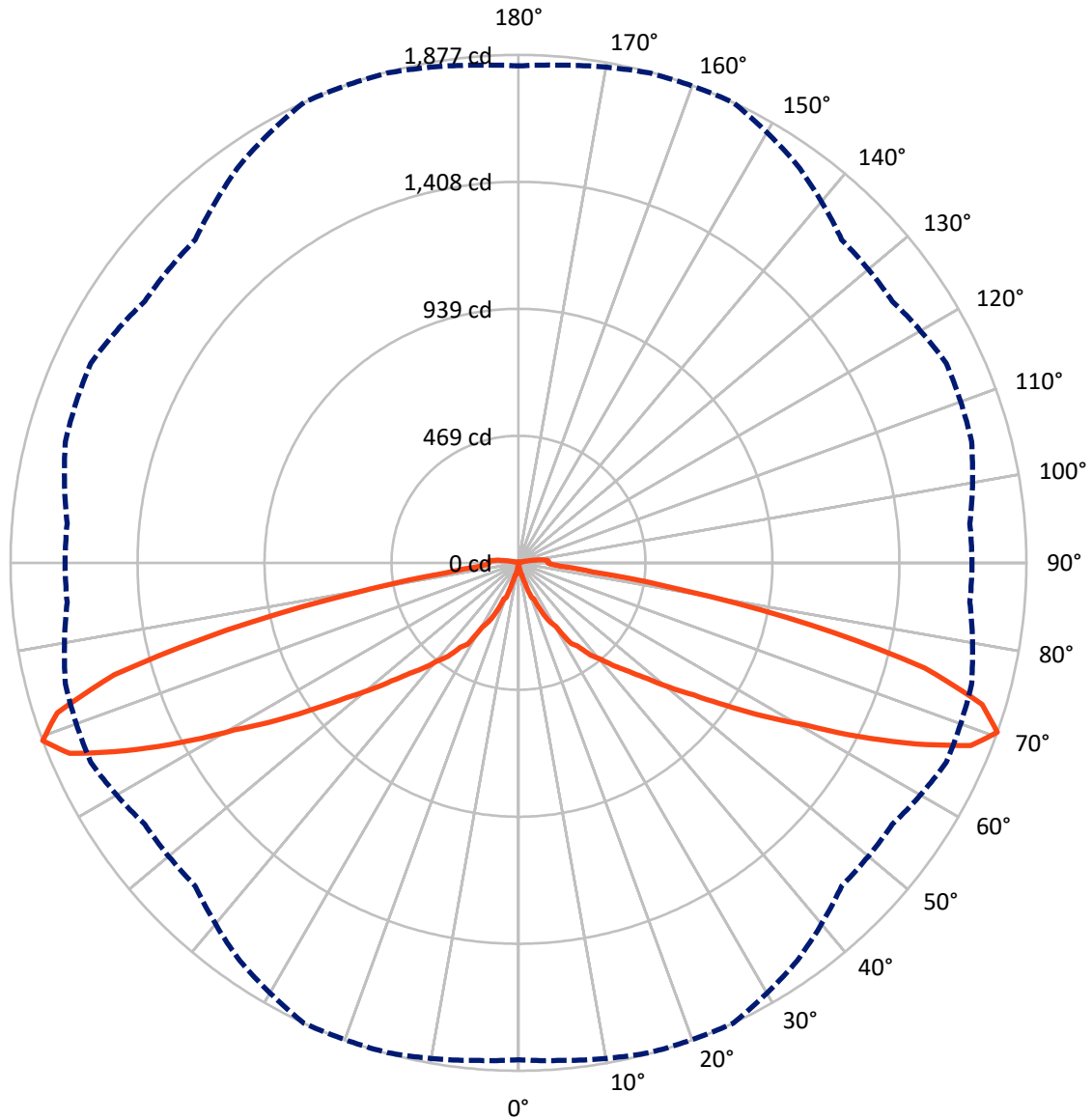
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P695152  
CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P695152  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

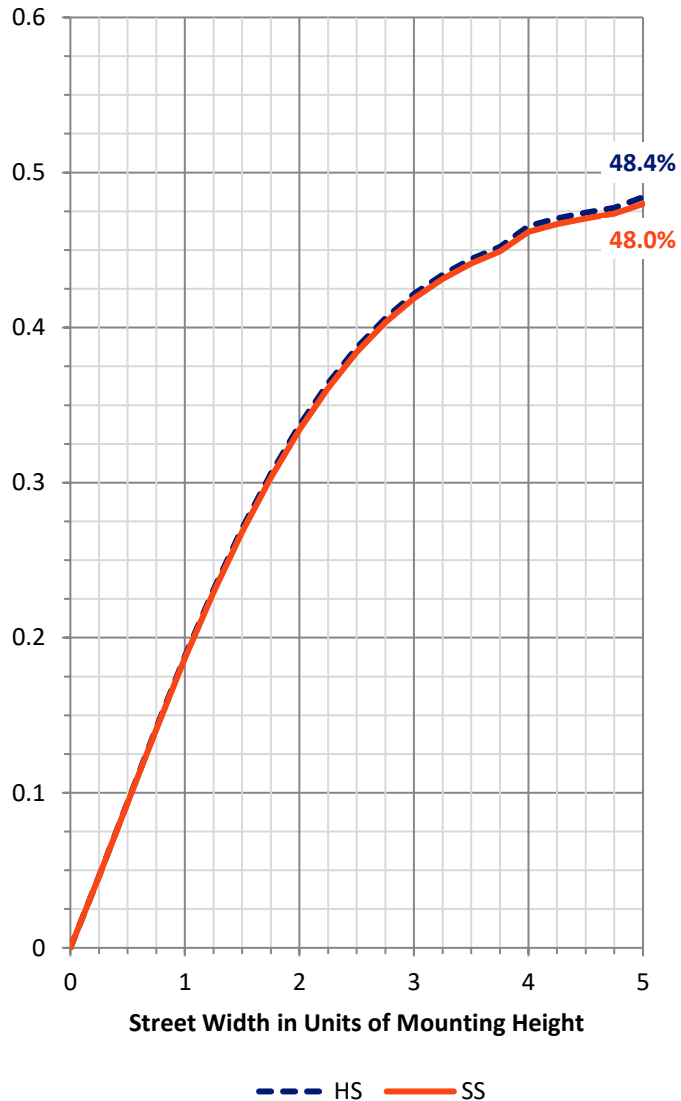
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2446.8	62.7	2509.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	2446.8	62.7	2509.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	4893.5	125.4	5018.9
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	19.0	0.4
20°-30°	100.4	2.0
30°-40°	252.4	5.0
40°-50°	459.7	9.2
50°-60°	838.2	16.7
60°-70°	1516.3	30.2
70°-80°	1444.1	28.8
80°-90°	263.0	5.2
90°-100°	101.8	2.0
100°-110°	14.8	0.3
110°-120°	3.9	0.1
120°-130°	2.4	0.0
130°-140°	1.4	0.0
140°-150°	1.0	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4893.5	97.5
0°-180°	5018.9	100.0

**Coefficient of Utilization**



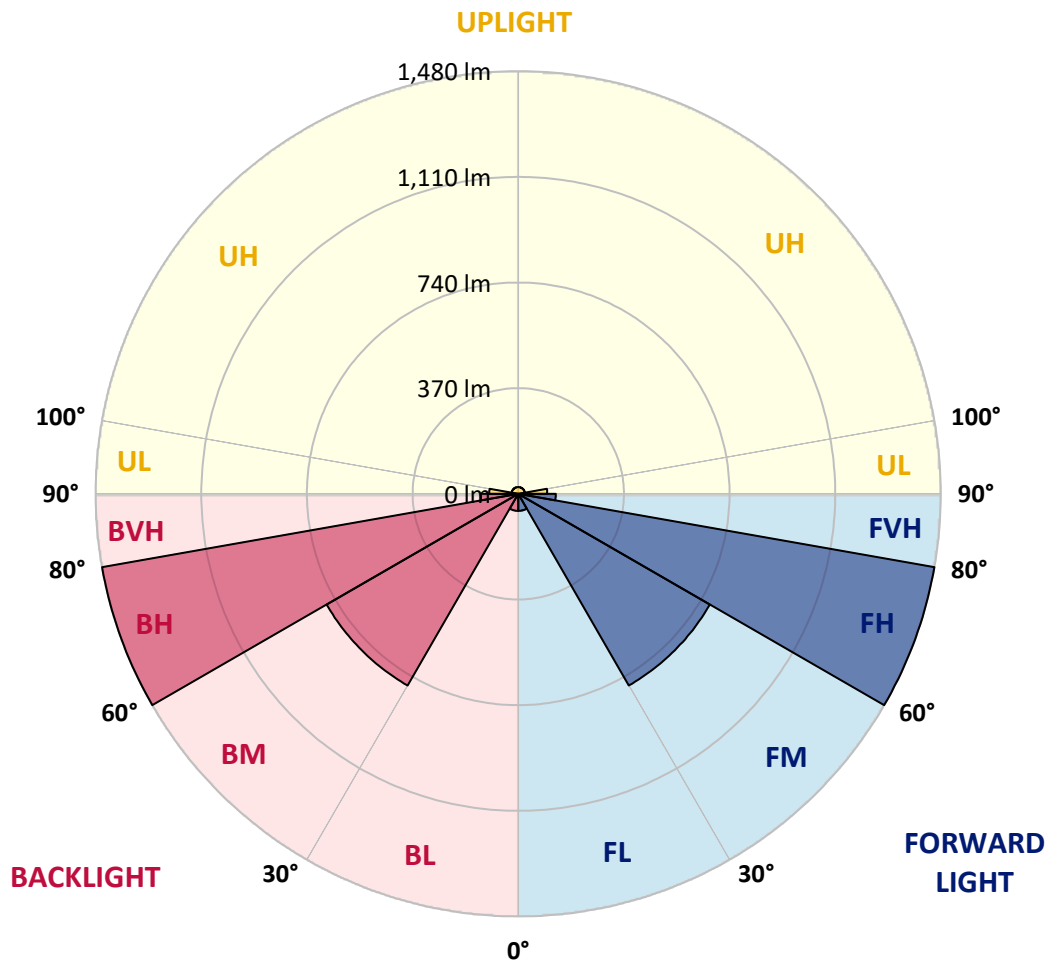
REPORT NUMBER: P695152  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.9	1.2			
FM (30°-60°)	775.2	15.4			
FH (60°-80°)	1480.2	29.5			G1/1800
FVH (80°-90°)	131.5	2.6			G2/225
BL (0°-30°)	59.9	1.2	B0/110		
BM (30°-60°)	775.2	15.4	B1/1000		
BH (60°-80°)	1480.2	29.5	B3/2500		G1/1800
BVH (80°-90°)	131.5	2.6			G2/225
UL (90°-100°)	101.8	2.0		U3/500	
UH (100°-180°)	23.6	0.5		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short



REPORT NUMBER: P695152  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
7.5°	3.3	3.3	3.3	1.6	3.3	1.6	3.3	1.6	1.6	3.3	3.3
10°	34.3	29.4	14.7	9.8	4.9	3.3	3.3	3.3	3.3	3.3	3.3
12.5°	45.8	45.8	44.1	42.5	36.0	9.8	4.9	9.8	16.4	34.3	37.6
15°	55.6	55.6	50.7	47.4	44.1	37.6	36.0	67.0	80.1	85.0	88.3
17.5°	135.7	135.7	124.3	78.5	50.7	70.3	96.5	88.3	93.2	94.8	96.5
20°	147.2	145.5	140.6	135.7	111.2	103.0	111.2	104.6	137.3	148.8	163.5
22.5°	192.9	181.5	160.2	143.9	155.3	139.0	129.2	178.2	189.7	197.8	199.5
25°	253.4	251.8	245.3	204.4	178.2	173.3	183.1	207.7	212.6	225.6	228.9
27.5°	269.8	271.4	258.3	245.3	237.1	215.8	227.3	253.4	294.3	310.7	312.3
30°	377.7	374.4	359.7	273.1	264.9	255.1	269.8	299.2	313.9	331.9	335.2
32.5°	395.7	390.8	385.9	354.8	295.9	291.0	309.0	323.7	395.7	444.7	446.4
35°	466.0	466.0	448.0	379.3	364.6	327.0	340.1	399.0	449.6	470.9	470.9
37.5°	503.6	500.3	485.6	431.7	381.0	364.6	385.9	426.8	477.4	503.6	503.6
40°	546.1	542.8	526.5	469.3	433.3	399.0	428.4	469.3	526.5	549.4	549.4
42.5°	596.8	593.5	575.5	521.6	472.5	441.5	466.0	524.9	575.5	590.3	596.8
45°	657.3	652.4	636.0	572.3	520.0	480.7	503.6	578.8	631.1	658.9	655.7
47.5°	727.6	721.1	703.1	639.3	582.1	531.4	559.2	649.1	709.6	727.6	732.5
50°	799.6	796.3	788.1	722.7	649.1	600.1	636.0	730.9	789.7	799.6	802.8
52.5°	879.7	871.5	873.1	811.0	740.7	688.4	730.9	802.8	879.7	878.0	876.4
55°	972.9	971.2	976.1	930.4	850.2	793.0	840.4	930.4	979.4	974.5	964.7
57.5°	1082.4	1082.4	1095.5	1069.3	992.5	933.6	964.7	1061.2	1089.0	1071.0	1066.1
60°	1226.3	1218.1	1241.0	1216.5	1164.2	1085.7	1124.9	1208.3	1219.8	1196.9	1201.8
62.5°	1406.2	1402.9	1416.0	1414.3	1352.2	1260.6	1301.5	1376.7	1389.8	1370.2	1378.4
65°	1605.6	1602.4	1618.7	1613.8	1543.5	1445.4	1481.4	1564.8	1564.8	1527.2	1530.4
67.5°	1769.2	1769.2	1793.7	1801.9	1705.4	1581.1	1605.6	1702.1	1695.6	1648.2	1649.8
70°	1836.2	1846.0	1873.8	1877.1	1795.3	1689.0	1685.8	1744.6	1733.2	1674.3	1676.0
72.5°	1721.7	1726.6	1775.7	1792.0	1774.1	1726.6	1676.0	1638.3	1610.6	1569.7	1569.7
75°	1394.7	1391.5	1455.2	1550.1	1604.0	1651.4	1532.1	1424.2	1383.3	1347.3	1360.4
77.5°	886.2	871.5	943.4	1105.3	1252.5	1391.5	1260.6	1102.0	995.8	928.7	918.9
80°	390.8	399.0	457.8	624.6	822.4	974.5	878.0	645.9	500.3	407.1	379.3
82.5°	173.3	176.6	201.1	274.7	457.8	572.3	485.6	295.9	204.4	181.5	179.9
85°	119.4	125.9	122.6	150.4	212.6	256.7	224.0	148.8	124.3	117.7	112.8
87.5°	109.6	111.2	104.6	114.5	140.6	130.8	130.8	106.3	89.9	98.1	96.5
90°	114.5	116.1	104.6	107.9	129.2	116.1	121.0	99.7	93.2	104.6	103.0
92.5°	116.1	124.3	114.5	111.2	129.2	127.5	121.0	103.0	101.4	112.8	111.2
95°	103.0	114.5	103.0	104.6	119.4	121.0	114.5	101.4	104.6	112.8	116.1
97.5°	62.1	67.0	67.0	76.8	83.4	88.3	85.0	73.6	62.1	58.9	55.6
100°	22.9	22.9	32.7	49.1	45.8	37.6	47.4	47.4	27.8	14.7	9.8
102.5°	9.8	9.8	19.6	27.8	19.6	13.1	21.3	29.4	18.0	9.8	8.2
105°	9.8	9.8	11.4	14.7	8.2	6.5	8.2	14.7	8.2	8.2	8.2
107.5°	8.2	8.2	6.5	6.5	4.9	4.9	4.9	4.9	6.5	8.2	9.8
110°	8.2	6.5	4.9	4.9	4.9	4.9	4.9	4.9	4.9	8.2	8.2

REPORT NUMBER: P695152  
 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.5	4.9	3.3	3.3	3.3	4.9	3.3	3.3	3.3	4.9	4.9
115°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
117.5°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9
120°	4.9	4.9	3.3	1.6	1.6	1.6	3.3	3.3	3.3	4.9	4.9
122.5°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
125°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
127.5°	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	3.3	4.9	4.9
130°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3
132.5°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
135°	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
150°	3.3	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
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)