

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: P695572

Luminaire Tested: **LXF.LXT-PA16-60-727-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695572  
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-PA16-60-727-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1160mA 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: 6007.1 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

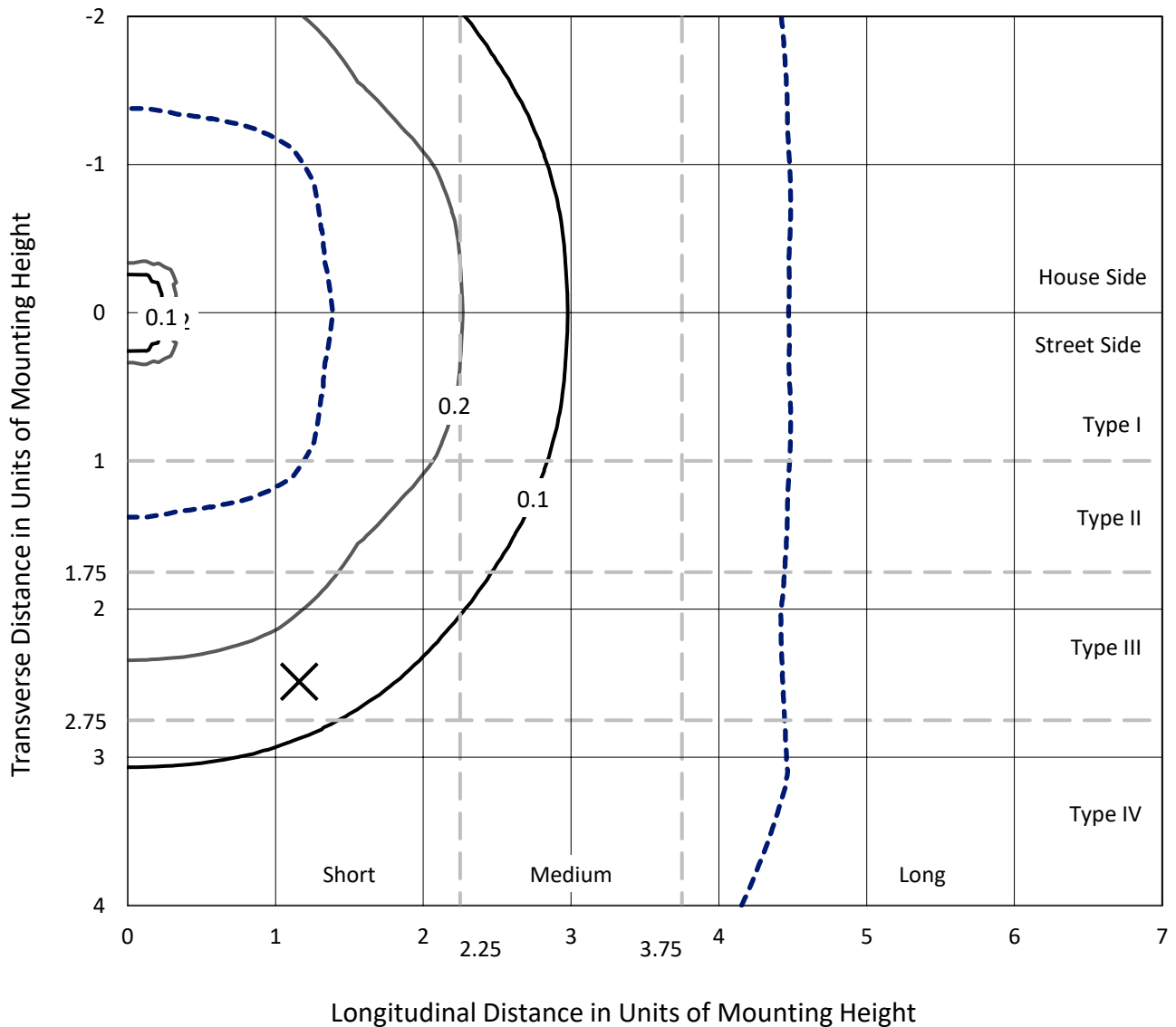
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P695572  
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

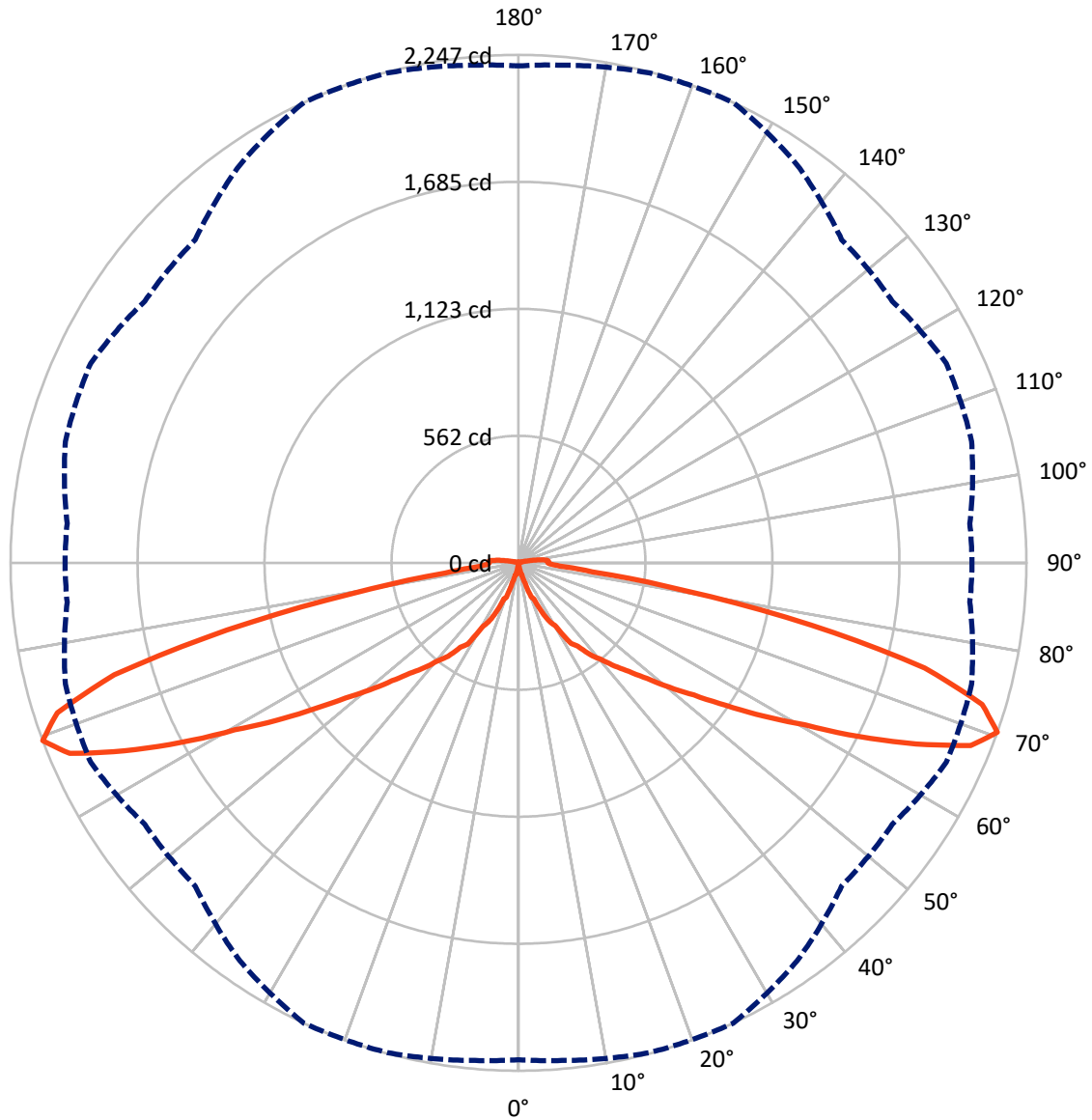
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P695572  
CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P695572  
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

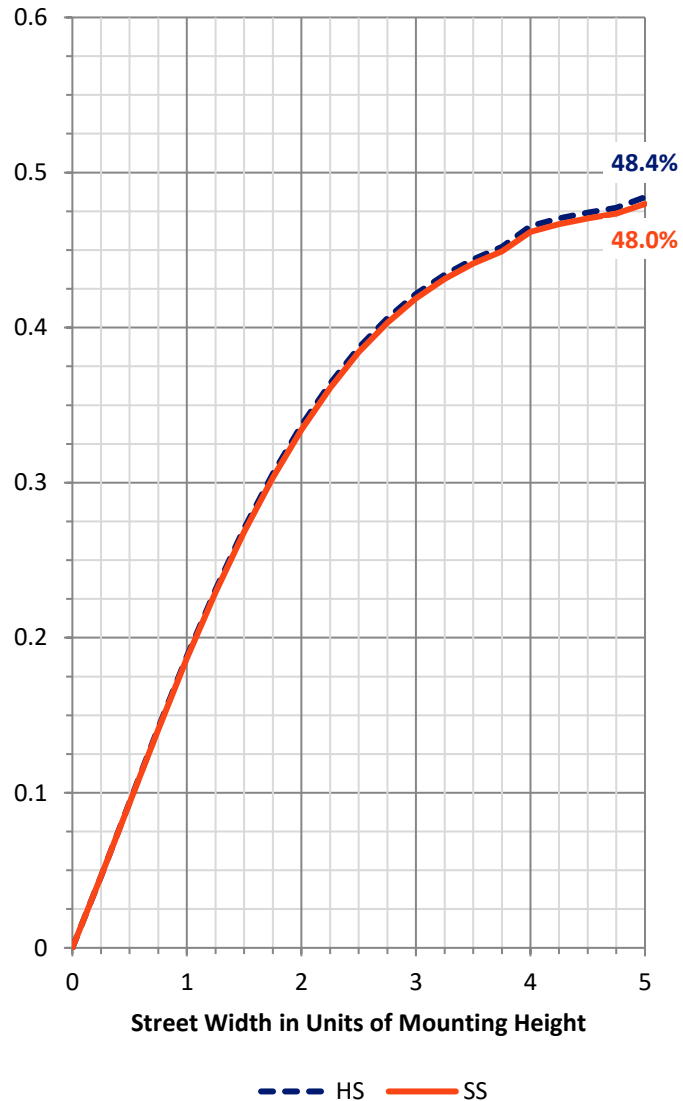
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2928.4	75.1	3003.5
	% Fixture	48.7	1.3	50.0
<b>Street Side</b>	Lumens	2928.4	75.1	3003.5
	% Fixture	48.7	1.3	50.0
<b>Total</b>	Lumens	5856.8	150.2	6007.1
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	22.8	0.4
20°-30°	120.2	2.0
30°-40°	302.0	5.0
40°-50°	550.2	9.2
50°-60°	1003.2	16.7
60°-70°	1814.8	30.2
70°-80°	1728.4	28.8
80°-90°	314.8	5.2
90°-100°	121.8	2.0
100°-110°	17.7	0.3
110°-120°	4.6	0.1
120°-130°	2.9	0.0
130°-140°	1.8	0.0
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5856.8	97.5
0°-180°	6007.1	100.0

**Coefficient of Utilization**



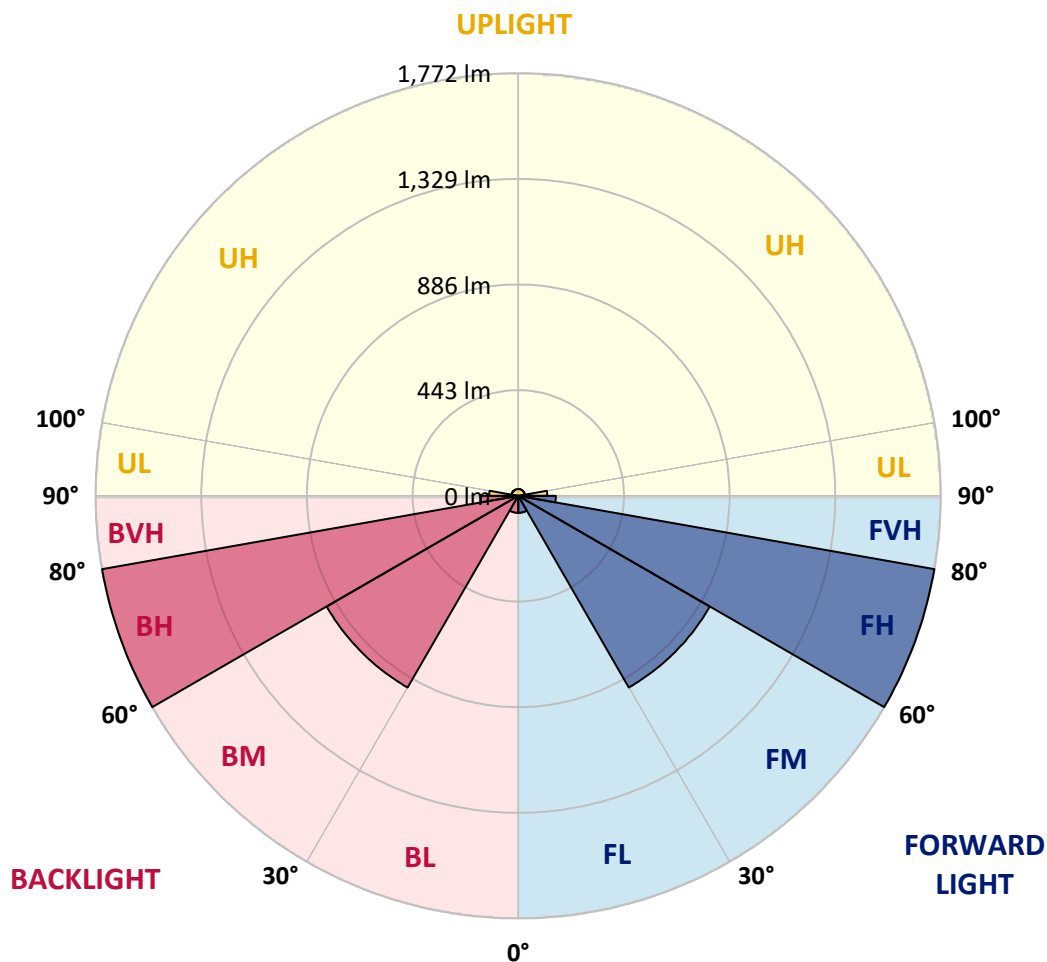
REPORT NUMBER: P695572  
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.7	1.2			
FM (30°-60°)	927.7	15.4			
FH (60°-80°)	1771.6	29.5			G1/1800
FVH (80°-90°)	157.4	2.6			G2/225
BL (0°-30°)	71.7	1.2	B0/110		
BM (30°-60°)	927.7	15.4	B1/1000		
BH (60°-80°)	1771.6	29.5	B3/2500		G1/1800
BVH (80°-90°)	157.4	2.6			G2/225
UL (90°-100°)	121.8	2.0		U3/500	
UH (100°-180°)	28.4	0.5		U2/50	

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

Type V Short



REPORT NUMBER: P695572  
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	3.9	3.9	3.9	2.0	3.9	2.0	3.9	2.0	2.0	3.9	3.9
10°	41.1	35.2	17.6	11.7	5.9	3.9	3.9	3.9	3.9	3.9	3.9
12.5°	54.8	54.8	52.8	50.9	43.1	11.7	5.9	11.7	19.6	41.1	45.0
15°	66.5	66.5	60.7	56.8	52.8	45.0	43.1	80.2	95.9	101.8	105.7
17.5°	162.4	162.4	148.7	93.9	60.7	84.1	115.5	105.7	111.5	113.5	115.5
20°	176.1	174.2	168.3	162.4	133.1	123.3	133.1	125.2	164.4	178.1	195.7
22.5°	230.9	217.2	191.8	172.2	185.9	166.3	154.6	213.3	227.0	236.8	238.7
25°	303.3	301.4	293.5	244.6	213.3	207.4	219.2	248.5	254.4	270.1	274.0
27.5°	322.9	324.9	309.2	293.5	283.8	258.3	272.0	303.3	352.3	371.8	373.8
30°	452.1	448.1	430.5	326.8	317.0	305.3	322.9	358.1	375.7	397.3	401.2
32.5°	473.6	467.7	461.8	424.7	354.2	348.3	369.9	387.5	473.6	532.3	534.2
35°	557.7	557.7	536.2	454.0	436.4	391.4	407.0	477.5	538.2	563.6	563.6
37.5°	602.7	598.8	581.2	516.6	456.0	436.4	461.8	510.8	571.4	602.7	602.7
40°	653.6	649.7	630.1	561.6	518.6	477.5	512.7	561.6	630.1	657.5	657.5
42.5°	714.3	710.4	688.8	624.3	565.6	528.4	557.7	628.2	688.8	706.5	714.3
45°	786.7	780.8	761.3	684.9	622.3	575.3	602.7	692.8	755.4	788.7	784.7
47.5°	870.8	863.0	841.5	765.2	696.7	636.0	669.3	776.9	849.3	870.8	876.7
50°	956.9	953.0	943.2	865.0	776.9	718.2	761.3	874.8	945.2	956.9	960.9
52.5°	1052.8	1043.1	1045.0	970.6	886.5	823.9	874.8	960.9	1052.8	1050.9	1048.9
55°	1164.4	1162.4	1168.3	1113.5	1017.6	949.1	1005.9	1113.5	1172.2	1166.3	1154.6
57.5°	1295.5	1295.5	1311.2	1279.8	1187.9	1117.4	1154.6	1270.1	1303.3	1281.8	1275.9
60°	1467.7	1457.9	1485.3	1456.0	1393.3	1299.4	1346.4	1446.2	1459.9	1432.5	1438.4
62.5°	1683.0	1679.1	1694.7	1692.8	1618.4	1508.8	1557.7	1647.8	1663.4	1639.9	1649.7
65°	1921.7	1917.8	1937.4	1931.5	1847.4	1729.9	1773.0	1872.8	1872.8	1827.8	1831.7
67.5°	2117.4	2117.4	2146.8	2156.6	2041.1	1892.4	1921.7	2037.2	2029.4	1972.6	1974.6
70°	2197.7	2209.4	2242.7	2246.6	2148.7	2021.5	2017.6	2088.1	2074.4	2003.9	2005.9
72.5°	2060.7	2066.5	2125.2	2144.8	2123.3	2066.5	2005.9	1960.9	1927.6	1878.7	1878.7
75°	1669.3	1665.4	1741.7	1855.2	1919.8	1976.5	1833.7	1704.5	1655.6	1612.5	1628.2
77.5°	1060.7	1043.1	1129.2	1322.9	1499.0	1665.4	1508.8	1319.0	1191.8	1111.5	1099.8
80°	467.7	477.5	547.9	747.6	984.3	1166.3	1050.9	773.0	598.8	487.3	454.0
82.5°	207.4	211.4	240.7	328.8	547.9	684.9	581.2	354.2	244.6	217.2	215.3
85°	142.9	150.7	146.8	180.0	254.4	307.2	268.1	178.1	148.7	140.9	135.0
87.5°	131.1	133.1	125.2	137.0	168.3	156.6	156.6	127.2	107.6	117.4	115.5
90°	137.0	138.9	125.2	129.2	154.6	138.9	144.8	119.4	111.5	125.2	123.3
92.5°	138.9	148.7	137.0	133.1	154.6	152.6	144.8	123.3	121.3	135.0	133.1
95°	123.3	137.0	123.3	125.2	142.9	144.8	137.0	121.3	125.2	135.0	138.9
97.5°	74.4	80.2	80.2	92.0	99.8	105.7	101.8	88.1	74.4	70.5	66.5
100°	27.4	27.4	39.1	58.7	54.8	45.0	56.8	56.8	33.3	17.6	11.7
102.5°	11.7	11.7	23.5	33.3	23.5	15.7	25.4	35.2	21.5	11.7	9.8
105°	11.7	11.7	13.7	17.6	9.8	7.8	9.8	17.6	9.8	9.8	9.8
107.5°	9.8	9.8	7.8	7.8	5.9	5.9	5.9	5.9	7.8	9.8	11.7
110°	9.8	7.8	5.9	5.9	5.9	5.9	5.9	5.9	5.9	9.8	9.8

REPORT NUMBER: P695572  
 CATALOG NUMBER: LXF.LXT-PA16-60-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.8	5.9	3.9	3.9	3.9	5.9	3.9	3.9	3.9	5.9	5.9
115°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
117.5°	5.9	5.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
120°	5.9	5.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9	5.9	5.9
122.5°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
125°	5.9	5.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
127.5°	5.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9
130°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9	3.9
132.5°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
135°	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	3.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.9	3.9
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)