

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: P416374

Luminaire Tested: **LXF.LXT-PA1-70-750-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416374  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-70-750-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8206 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Medium - Non-Cutoff  
BUG Rating: B3 - U3 - G3

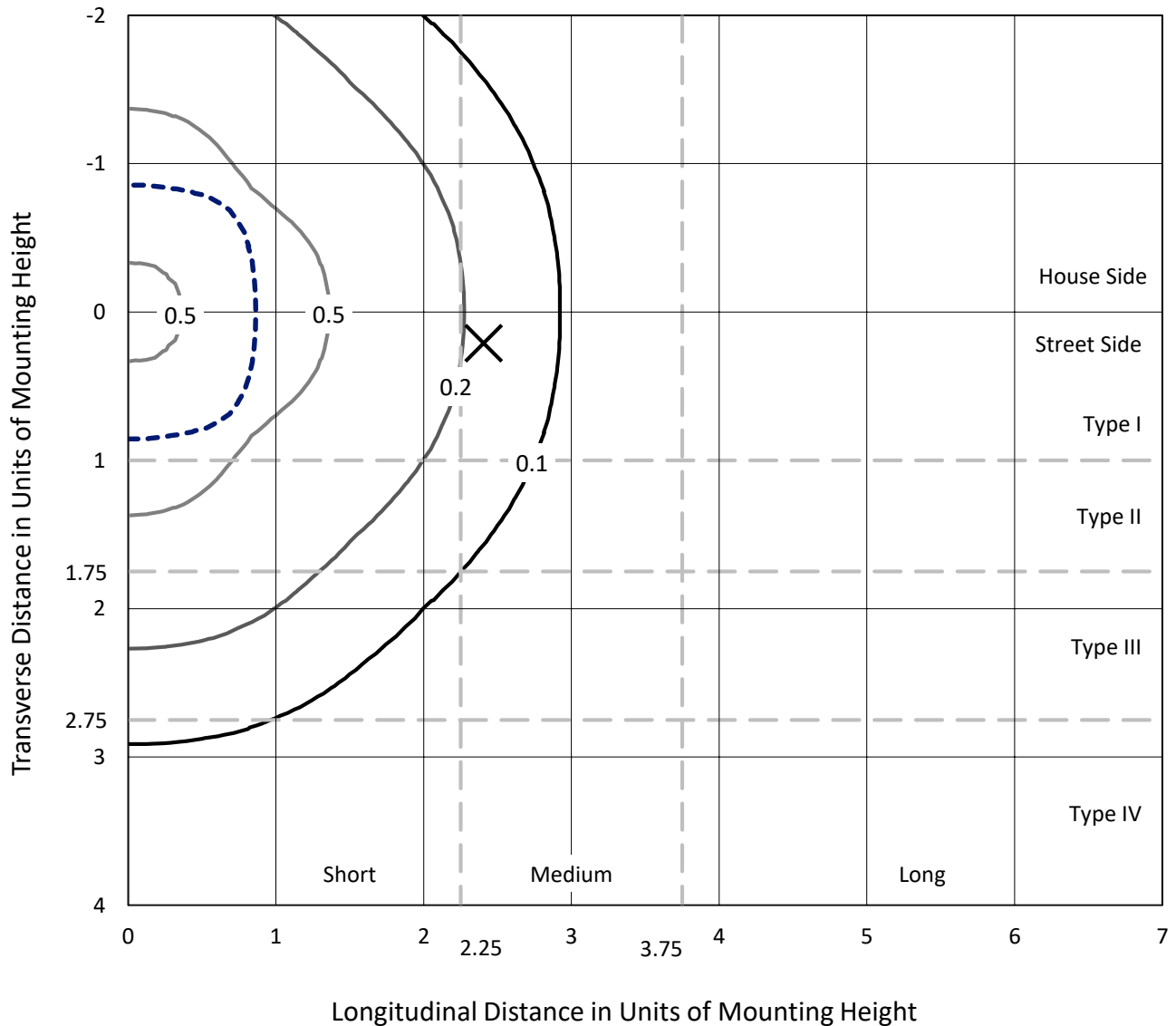
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P416374  
 CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

### Iso-Footcandle Lines of Horizontal Illumination

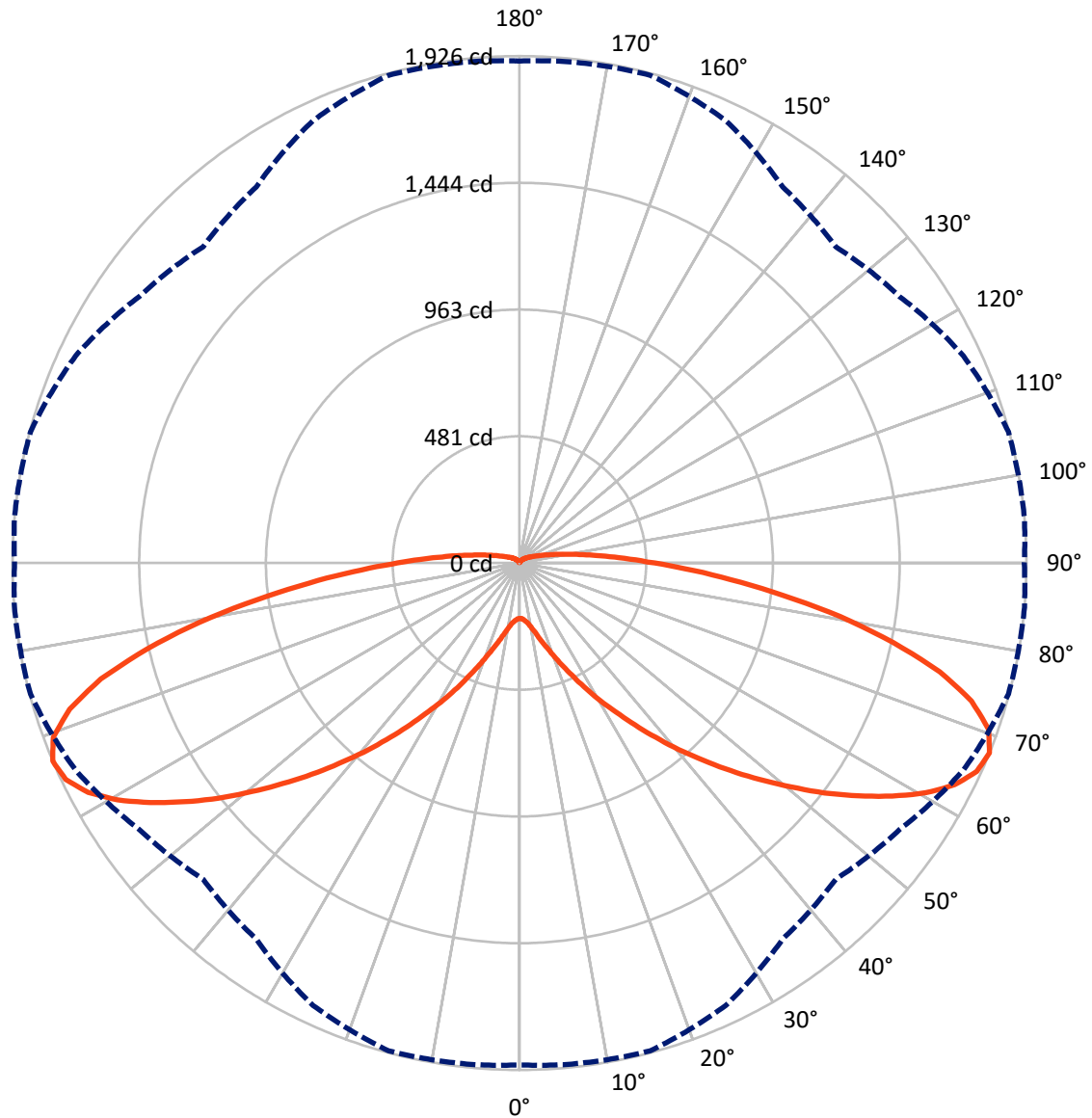
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Medium - Non-Cutoff

REPORT NUMBER: P416374  
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416374

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

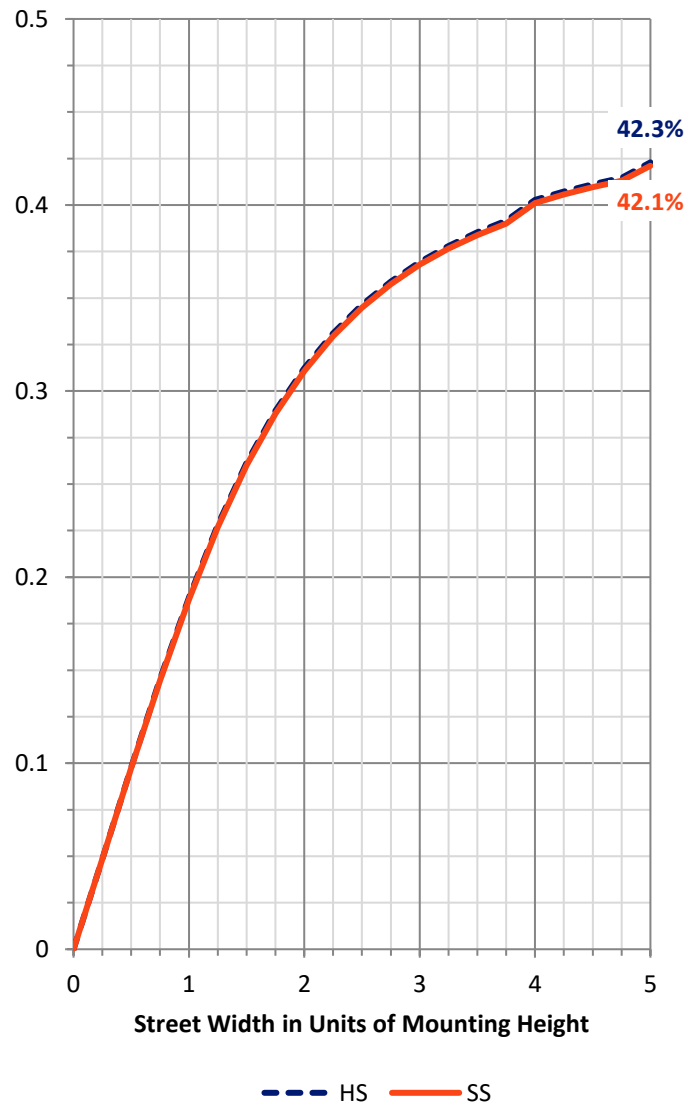
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3721.0	382.0	4103.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	3721.0	382.0	4103.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	7442.1	763.9	8206.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.9	0.3
10°-20°	89.2	1.1
20°-30°	225.6	2.7
30°-40°	464.2	5.7
40°-50°	834.6	10.2
50°-60°	1334.0	16.3
60°-70°	1785.0	21.8
70°-80°	1691.4	20.6
80°-90°	996.2	12.1
90°-100°	430.4	5.2
100°-110°	183.3	2.2
110°-120°	84.4	1.0
120°-130°	40.4	0.5
130°-140°	18.1	0.2
140°-150°	6.2	0.1
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7442.1	90.7
0°-180°	8206.0	100.0



REPORT NUMBER: P416374

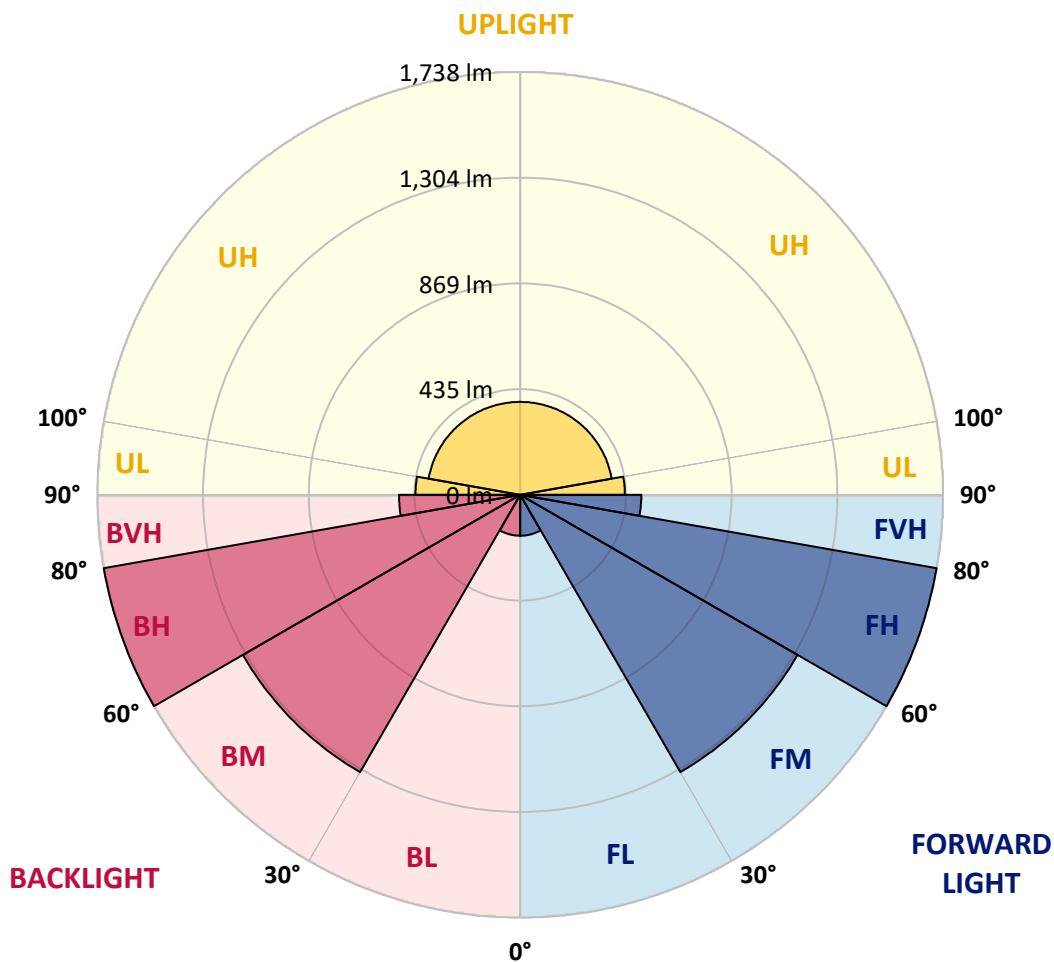
CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.3	2.1			
FM (30°-60°)	1316.4	16.0			
FH (60°-80°)	1738.2	21.2			G1/1800
FVH (80°-90°)	498.1	6.1			G3/500
BL (0°-30°)	168.3	2.1	B1/500		
BM (30°-60°)	1316.4	16.0	B2/2500		
BH (60°-80°)	1738.2	21.2	B3/2500		G1/1800
BVH (80°-90°)	498.1	6.1			G3/500
UL (90°-100°)	430.4	5.2		U3/500	
UH (100°-180°)	382.0	4.7		U3/500	

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

Type V Medium





REPORT NUMBER: P416374

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4
2.5°	212.3	211.3	212.3	212.3	213.2	213.2	213.2	213.2	212.3	212.3	212.3
5°	219.6	219.6	219.6	219.6	220.5	220.5	220.5	219.6	219.6	219.6	219.6
7.5°	233.3	232.4	233.3	232.4	232.4	231.5	232.4	231.5	230.6	230.6	230.6
10°	250.7	250.7	250.7	249.8	249.8	249.8	247.9	247.9	247.9	247.9	247.9
12.5°	279.1	277.2	277.2	273.6	271.7	270.8	269.9	269.9	272.6	272.6	270.8
15°	312.0	311.1	311.1	306.5	302.8	297.3	298.3	301.9	301.9	303.8	302.8
17.5°	351.3	350.4	347.7	343.1	338.5	334.9	333.0	334.9	336.7	337.6	338.5
20°	394.3	393.4	389.8	385.2	380.6	378.8	372.4	375.1	376.9	378.8	377.9
22.5°	440.1	440.1	436.4	430.0	425.4	421.8	419.0	416.3	422.7	426.4	427.3
25°	495.9	494.1	487.7	480.3	474.8	472.1	468.4	468.4	473.0	480.3	482.2
27.5°	554.4	552.6	543.5	535.2	527.9	521.5	519.7	522.4	530.7	541.6	541.6
30°	619.4	615.7	607.5	594.7	582.8	576.4	578.2	582.8	594.7	607.5	606.6
32.5°	690.8	684.4	675.2	660.6	643.2	634.0	636.8	649.6	661.5	675.2	677.0
35°	766.7	765.8	751.2	731.9	710.0	695.3	700.8	718.2	736.5	755.7	758.5
37.5°	844.5	847.2	829.8	808.8	776.8	759.4	771.3	796.0	818.9	839.9	841.7
40°	939.6	936.9	919.5	888.4	850.0	830.7	840.8	875.6	904.9	931.4	933.2
42.5°	1037.5	1030.2	1015.6	978.1	926.8	909.4	924.1	963.4	1002.8	1024.7	1025.6
45°	1129.9	1132.7	1116.2	1071.4	1014.6	988.1	1009.2	1055.8	1101.6	1125.4	1128.1
47.5°	1246.1	1238.8	1224.2	1166.5	1102.5	1075.9	1099.7	1156.5	1206.8	1228.7	1227.8
50°	1359.6	1355.0	1334.0	1273.6	1201.3	1169.3	1193.1	1262.6	1317.5	1336.7	1341.3
52.5°	1467.5	1465.7	1447.4	1380.6	1302.8	1263.5	1296.4	1368.7	1431.9	1451.1	1452.9
55°	1578.2	1572.7	1559.0	1489.5	1400.7	1356.8	1398.0	1478.5	1543.5	1561.8	1562.7
57.5°	1677.1	1680.7	1669.7	1596.5	1494.1	1452.0	1497.7	1587.4	1653.3	1670.6	1673.4
60°	1775.9	1776.8	1768.5	1697.2	1588.3	1540.7	1593.8	1687.1	1757.6	1773.1	1774.0
62.5°	1853.6	1855.5	1849.1	1771.3	1662.4	1616.7	1675.2	1772.2	1844.5	1855.5	1854.5
65°	1901.2	1906.7	1903.0	1832.6	1716.4	1674.3	1735.6	1837.2	1903.0	1909.4	1906.7
67.5°	1906.7	1913.1	1918.6	1854.5	1743.8	1699.0	1764.0	1860.9	1923.2	1925.9	1917.7
70°	1866.4	1872.8	1885.7	1832.6	1730.1	1692.6	1754.8	1841.7	1893.9	1890.2	1881.1
72.5°	1763.1	1776.8	1796.0	1760.3	1674.3	1643.2	1704.5	1774.0	1809.7	1796.0	1783.2
75°	1614.8	1628.6	1665.2	1645.0	1579.2	1561.8	1607.5	1659.7	1669.7	1649.6	1632.2
77.5°	1434.6	1452.0	1485.8	1501.4	1457.5	1440.1	1478.5	1506.0	1495.0	1451.1	1438.3
80°	1224.2	1251.6	1287.3	1312.0	1301.0	1295.5	1314.7	1312.0	1271.7	1237.0	1215.0
82.5°	1032.0	1037.5	1092.4	1123.5	1127.2	1129.0	1134.5	1101.6	1054.9	1008.2	988.1
85°	843.6	845.4	891.1	936.0	953.3	958.8	948.8	904.9	856.4	804.2	790.5
87.5°	676.1	678.9	719.1	764.9	795.1	798.7	779.5	736.5	676.1	629.5	617.6
90°	534.3	543.5	583.7	621.2	653.3	658.7	631.3	585.5	529.7	484.9	477.6
92.5°	427.3	431.8	468.4	503.2	533.4	534.3	515.1	468.4	419.0	378.8	369.6
95°	343.1	346.8	376.0	408.1	432.8	438.2	416.3	375.1	329.4	294.6	292.8
97.5°	273.6	278.1	301.0	334.9	353.2	356.8	342.2	303.8	261.7	230.6	230.6
100°	219.6	222.3	242.5	270.8	290.0	293.7	279.1	245.2	208.6	181.2	179.3
102.5°	178.4	180.2	196.7	222.3	239.7	243.4	230.6	203.1	167.4	145.5	144.6
105°	146.4	147.3	160.1	183.9	200.4	203.1	191.2	167.4	135.4	117.1	116.2
107.5°	119.9	120.8	130.8	152.8	168.3	171.1	161.0	137.2	109.8	97.0	95.2
110°	100.6	101.6	108.9	126.3	141.8	145.5	135.4	114.4	90.6	79.6	79.6



REPORT NUMBER: P416374

CATALOG NUMBER: LXF.LXT-PA1-70-750-U-5WQ-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	85.1	86.0	91.5	106.1	119.9	124.4	114.4	95.2	75.9	67.7	66.8
115°	72.3	73.2	76.9	89.7	100.6	104.3	97.0	79.6	64.0	57.6	57.6
117.5°	63.1	64.0	65.9	75.9	86.0	88.7	81.4	66.8	54.0	50.3	50.3
120°	55.8	55.8	56.7	64.0	72.3	75.0	68.6	56.7	46.7	43.9	43.9
122.5°	48.5	48.5	49.4	54.9	61.3	63.1	57.6	47.6	40.3	39.3	38.4
125°	43.0	43.0	43.0	46.7	52.2	53.1	48.5	40.3	35.7	34.8	34.8
127.5°	37.5	37.5	37.5	39.3	43.0	43.9	40.3	33.9	31.1	30.2	30.2
130°	32.9	32.9	32.9	33.9	35.7	36.6	32.9	29.3	27.4	27.4	27.4
132.5°	29.3	29.3	28.4	28.4	29.3	29.3	27.4	24.7	23.8	23.8	23.8
135°	25.6	25.6	24.7	23.8	23.8	22.9	21.0	20.1	21.0	21.0	21.0
137.5°	22.0	22.0	21.0	20.1	19.2	18.3	17.4	16.5	17.4	18.3	18.3
140°	18.3	18.3	17.4	15.6	14.6	13.7	12.8	13.7	14.6	15.6	15.6
142.5°	14.6	14.6	14.6	12.8	11.0	10.1	10.1	11.0	11.9	12.8	12.8
145°	11.9	11.9	11.0	10.1	8.2	7.3	7.3	8.2	10.1	10.1	10.1
147.5°	9.1	9.1	8.2	7.3	5.5	4.6	5.5	6.4	7.3	8.2	8.2
150°	6.4	6.4	6.4	5.5	3.7	3.7	3.7	4.6	5.5	5.5	5.5
152.5°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	3.7	3.7	3.7	3.7
155°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
157.5°	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
160°	0.0	0.0	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9
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)