

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: P413721

Luminaire Tested: **LXF.LXT-PA1-100-727-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413721  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8619 lumens  
Efficiency: N/A  
Efficacy: 89.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

Input Watts (W): 96  
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

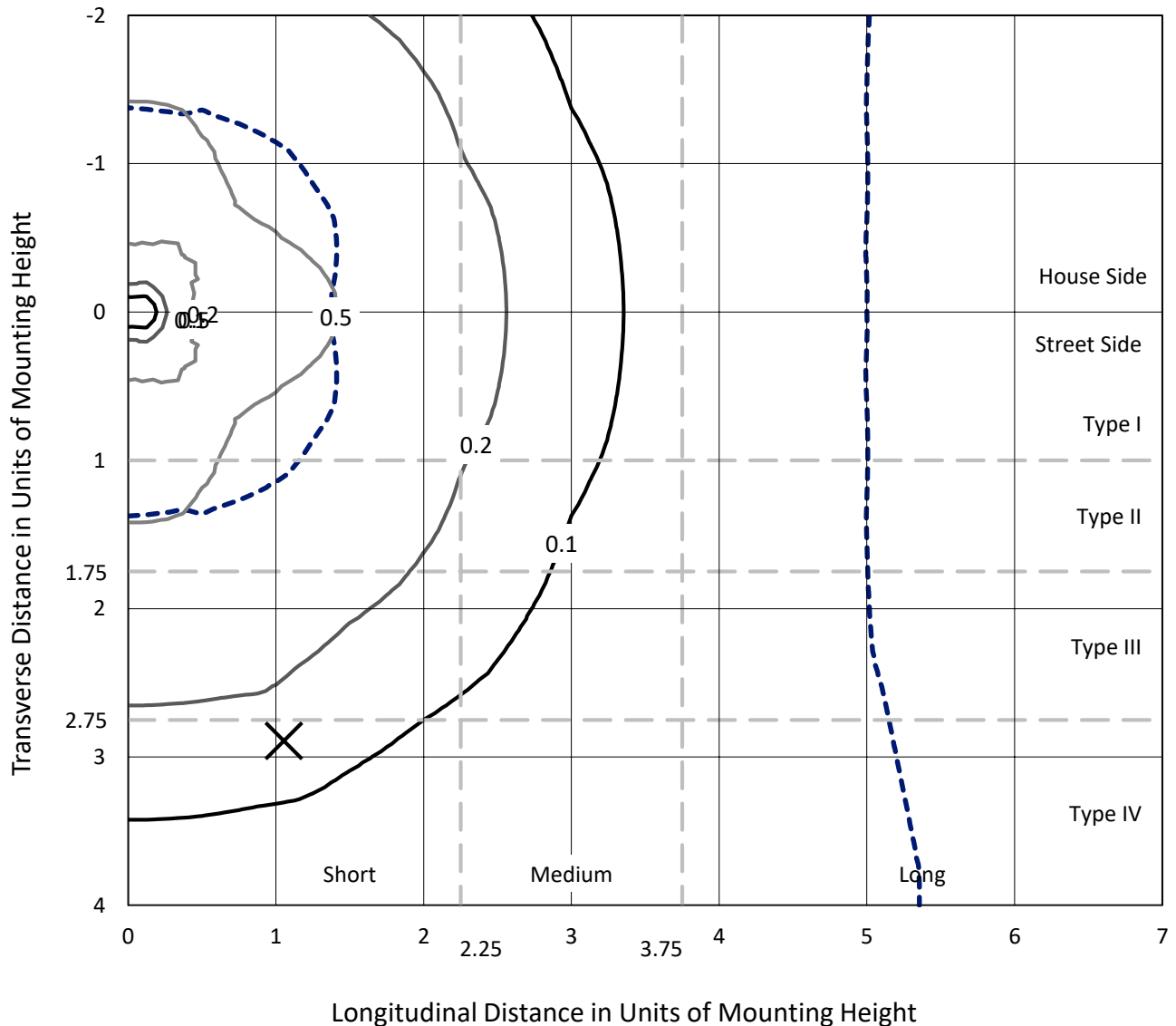


REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

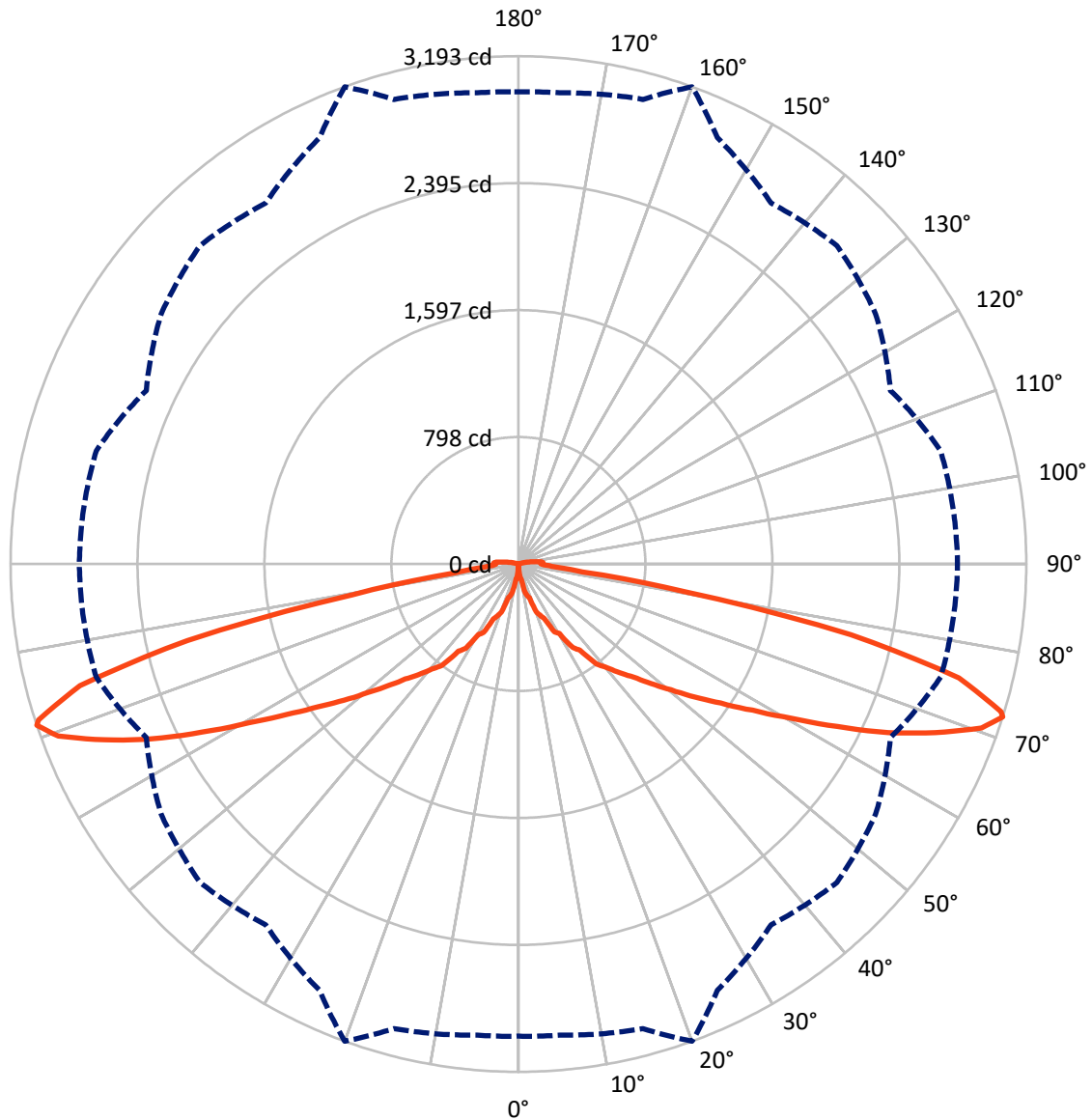


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

### Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4209.4	100.1	4309.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	4209.4	100.1	4309.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	8418.7	200.3	8619.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.3	0.0
10°-20°	47.2	0.5
20°-30°	186.8	2.2
30°-40°	432.3	5.0
40°-50°	786.9	9.1
50°-60°	1395.2	16.2
60°-70°	2360.1	27.4
70°-80°	2622.3	30.4
80°-90°	584.6	6.8
90°-100°	162.7	1.9
100°-110°	24.0	0.3
110°-120°	5.6	0.1
120°-130°	3.5	0.0
130°-140°	2.1	0.0
140°-150°	1.8	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8418.7	97.7
0°-180°	8619.0	100.0



REPORT NUMBER: P413721

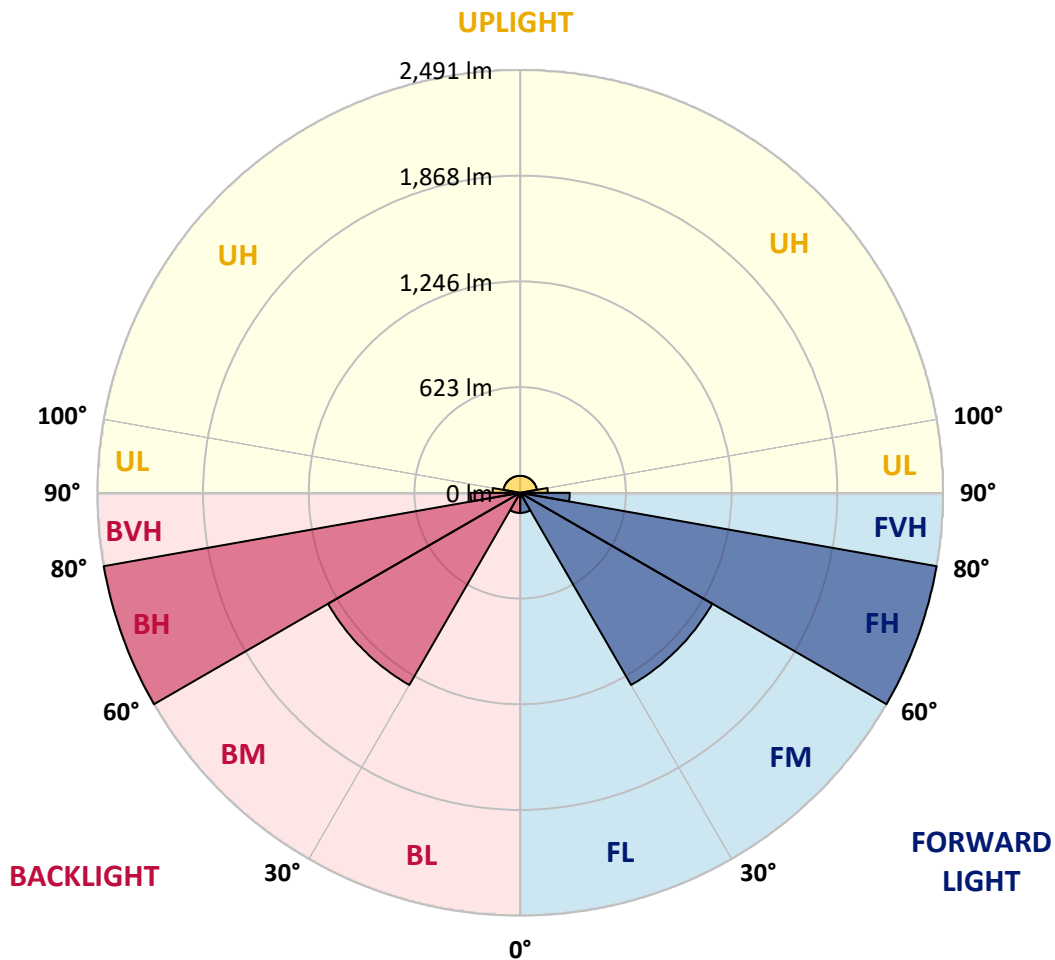
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.6	1.4			
FM (30°-60°)	1307.2	15.2			
FH (60°-80°)	2491.2	28.9			G2/5000
FVH (80°-90°)	292.3	3.4			G3/500
BL (0°-30°)	118.6	1.4	B1/500		
BM (30°-60°)	1307.2	15.2	B2/2500		
BH (60°-80°)	2491.2	28.9	B3/2500		G2/5000
BVH (80°-90°)	292.3	3.4			G3/500
UL (90°-100°)	162.7	1.9		U3/500	
UH (100°-180°)	100.1	1.2		U3/500	

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

Type V Short





REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
2.5°	4.6	4.6	4.6	5.5	3.7	4.6	3.7	3.7	3.7	3.7	3.7
5°	40.2	39.3	36.5	67.6	32.0	16.4	9.1	5.5	3.7	3.7	3.7
7.5°	85.8	84.9	82.2	90.4	68.5	52.0	41.1	27.4	7.3	4.6	4.6
10°	103.2	102.3	98.6	99.5	95.9	93.1	76.7	46.6	21.0	7.3	7.3
12.5°	154.3	153.4	147.0	179.0	124.2	103.2	95.9	81.3	45.7	36.5	71.2
15°	210.9	210.9	201.8	206.4	170.7	150.7	111.4	139.7	153.4	146.1	156.1
17.5°	234.7	233.7	224.6	222.8	213.7	196.3	192.7	202.7	197.2	175.3	176.2
20°	298.6	297.7	285.8	320.5	264.8	222.8	277.6	242.9	223.7	254.7	295.8
22.5°	358.8	357.9	348.8	350.6	320.5	327.8	303.1	281.2	332.4	344.2	355.2
25°	425.5	422.8	387.1	379.8	354.3	388.1	347.9	404.5	369.8	386.2	415.4
27.5°	499.5	495.8	478.5	483.9	434.6	420.0	443.8	431.9	454.7	525.9	541.5
30°	546.9	525.9	510.4	507.7	517.7	470.2	488.5	500.4	525.0	556.1	583.5
32.5°	657.4	652.8	593.5	625.5	566.1	560.6	522.3	562.5	562.5	683.0	765.2
35°	706.7	702.2	685.7	664.7	650.1	599.9	618.2	605.4	698.5	743.2	811.7
37.5°	877.5	872.9	786.2	797.1	708.5	680.2	661.1	710.4	746.9	793.5	872.9
40°	944.1	940.5	905.8	856.5	823.6	742.3	718.6	759.7	804.4	855.6	936.8
42.5°	1023.6	1020.8	979.7	934.1	901.2	831.8	806.2	809.9	864.7	940.5	1019.9
45°	1118.5	1118.5	1092.0	1013.5	981.6	932.2	891.2	895.7	946.9	1038.2	1120.3
47.5°	1227.2	1225.3	1209.8	1122.2	1097.5	1022.6	989.8	1004.4	1043.6	1145.0	1231.7
50°	1354.1	1345.0	1344.0	1243.6	1213.5	1136.8	1105.7	1130.4	1154.1	1254.6	1348.6
52.5°	1484.7	1487.4	1488.3	1389.7	1359.6	1293.8	1249.1	1275.6	1275.6	1381.5	1484.7
55°	1639.9	1646.3	1641.7	1544.0	1548.6	1477.4	1416.2	1449.0	1437.2	1538.5	1630.8
57.5°	1839.8	1838.0	1847.1	1734.8	1749.5	1691.9	1622.5	1643.5	1625.3	1708.4	1790.5
60°	2039.8	2039.8	2063.5	1965.8	2005.1	1918.4	1873.6	1884.6	1819.8	1889.2	1962.2
62.5°	2248.0	2249.8	2284.5	2251.6	2260.8	2168.6	2140.2	2122.9	1999.6	2090.0	2140.2
65°	2458.9	2461.6	2519.2	2554.8	2487.2	2403.2	2378.6	2336.6	2204.2	2332.0	2341.1
67.5°	2672.6	2684.4	2752.9	2828.7	2725.5	2569.4	2605.0	2529.2	2392.3	2514.6	2508.2
70°	2907.2	2915.4	2962.0	3088.9	2903.6	2702.7	2741.0	2685.4	2522.8	2675.3	2687.2
72°	2968.4	2973.9	3024.1	3193.0	2957.4	2769.4	2831.4	2742.0	2581.3	2748.4	2757.5
72.5°	2964.8	2973.0	3014.1	3172.9	2955.6	2781.2	2847.9	2748.4	2580.3	2743.8	2742.9
75°	2686.3	2705.4	2768.4	2860.7	2793.1	2757.5	2899.9	2710.0	2477.2	2567.6	2546.6
77.5°	1971.3	1985.9	2077.2	2135.7	2269.0	2508.2	2764.8	2489.0	2165.8	2124.7	2055.3
80°	966.9	961.5	1145.0	1061.9	1447.2	1919.3	2294.6	1969.5	1531.2	1246.3	1067.4
82.5°	326.9	346.1	420.9	405.4	643.7	1107.6	1553.1	1216.2	709.5	483.0	399.0
85°	184.4	190.8	231.9	222.8	262.1	430.1	798.9	553.3	310.4	259.3	231.0
87.5°	162.5	165.3	163.4	160.7	173.5	241.1	242.0	250.2	189.9	176.2	177.1
90°	164.4	166.2	148.8	142.4	152.5	201.8	224.6	212.7	155.2	151.6	166.2
92.5°	178.0	179.9	161.6	155.2	163.4	207.3	231.0	219.1	157.0	161.6	177.1
95°	162.5	164.4	148.8	142.4	151.6	192.7	216.4	211.8	149.7	165.3	188.1
97.5°	104.1	105.0	104.1	104.1	119.6	146.1	152.5	144.3	99.5	101.4	103.2
100°	41.1	32.9	46.6	68.5	84.9	85.8	82.2	75.8	63.9	42.0	21.0
102.5°	13.7	13.7	32.0	44.7	50.2	40.2	32.0	32.0	37.4	26.5	13.7
105°	13.7	13.7	17.3	21.0	21.0	11.0	10.0	16.4	23.7	13.7	13.7
107.5°	12.8	13.7	9.1	8.2	7.3	7.3	7.3	7.3	9.1	10.0	13.7



REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	11.0	11.0	7.3	7.3	6.4	5.5	7.3	6.4	7.3	8.2	11.0
112.5°	8.2	9.1	5.5	5.5	5.5	4.6	6.4	5.5	5.5	6.4	7.3
115°	8.2	8.2	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3
117.5°	8.2	7.3	4.6	3.7	3.7	3.7	3.7	3.7	3.7	5.5	7.3
120°	8.2	7.3	4.6	3.7	2.7	2.7	2.7	2.7	3.7	4.6	7.3
122.5°	7.3	7.3	4.6	3.7	2.7	2.7	2.7	2.7	2.7	4.6	7.3
125°	7.3	7.3	4.6	3.7	2.7	2.7	1.8	2.7	2.7	4.6	6.4
127.5°	7.3	6.4	4.6	2.7	2.7	1.8	1.8	1.8	2.7	3.7	6.4
130°	6.4	6.4	4.6	2.7	1.8	1.8	1.8	1.8	1.8	3.7	5.5
132.5°	5.5	5.5	3.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7	4.6
135°	4.6	4.6	3.7	2.7	1.8	2.7	1.8	1.8	1.8	1.8	3.7
137.5°	4.6	4.6	3.7	2.7	1.8	2.7	1.8	1.8	1.8	1.8	2.7
140°	4.6	4.6	3.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	2.7
142.5°	4.6	4.6	3.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7
145°	4.6	4.6	4.6	3.7	2.7	2.7	1.8	1.8	2.7	2.7	3.7
147.5°	5.5	5.5	4.6	3.7	2.7	1.8	1.8	1.8	2.7	3.7	3.7
150°	4.6	4.6	3.7	2.7	2.7	1.8	0.9	0.9	1.8	3.7	3.7
152.5°	3.7	3.7	2.7	1.8	1.8	0.9	0.0	0.9	1.8	2.7	3.7
155°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	1.8	2.7
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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





REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
0°	3.7
2.5°	3.7
5°	3.7
7.5°	4.6
10°	7.3
12.5°	73.0
15°	157.0
17.5°	176.2
20°	319.6
22.5°	359.8
25°	424.6
27.5°	554.2
30°	588.9
32.5°	784.3
35°	826.3
37.5°	882.9
40°	944.1
42.5°	1022.6
45°	1120.3
47.5°	1233.6
50°	1345.9
52.5°	1481.0
55°	1637.1
57.5°	1786.0
60°	1956.7
62.5°	2128.4
65°	2341.1
67.5°	2508.2
70°	2691.7
72°	2760.2
72.5°	2743.8
75°	2550.2
77.5°	2061.7
80°	1047.3
82.5°	370.7
85°	227.4
87.5°	173.5
90°	163.4
92.5°	174.4
95°	185.4
97.5°	98.6
100°	14.6
102.5°	14.6
105°	14.6
107.5°	14.6



REPORT NUMBER: P413721

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
110°	11.9
112.5°	8.2
115°	8.2
117.5°	8.2
120°	8.2
122.5°	8.2
125°	7.3
127.5°	6.4
130°	5.5
132.5°	4.6
135°	3.7
137.5°	2.7
140°	2.7
142.5°	2.7
145°	3.7
147.5°	3.7
150°	3.7
152.5°	3.7
155°	2.7
157.5°	0.9
160°	0.9
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)