

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: P414137

Luminaire Tested: **LXF.LXT-PA1-20-727-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414137  
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-PA1-20-727-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA 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: 2379 lumens  
Efficiency: N/A  
Efficacy: 113.3 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: B2 - U2 - G1

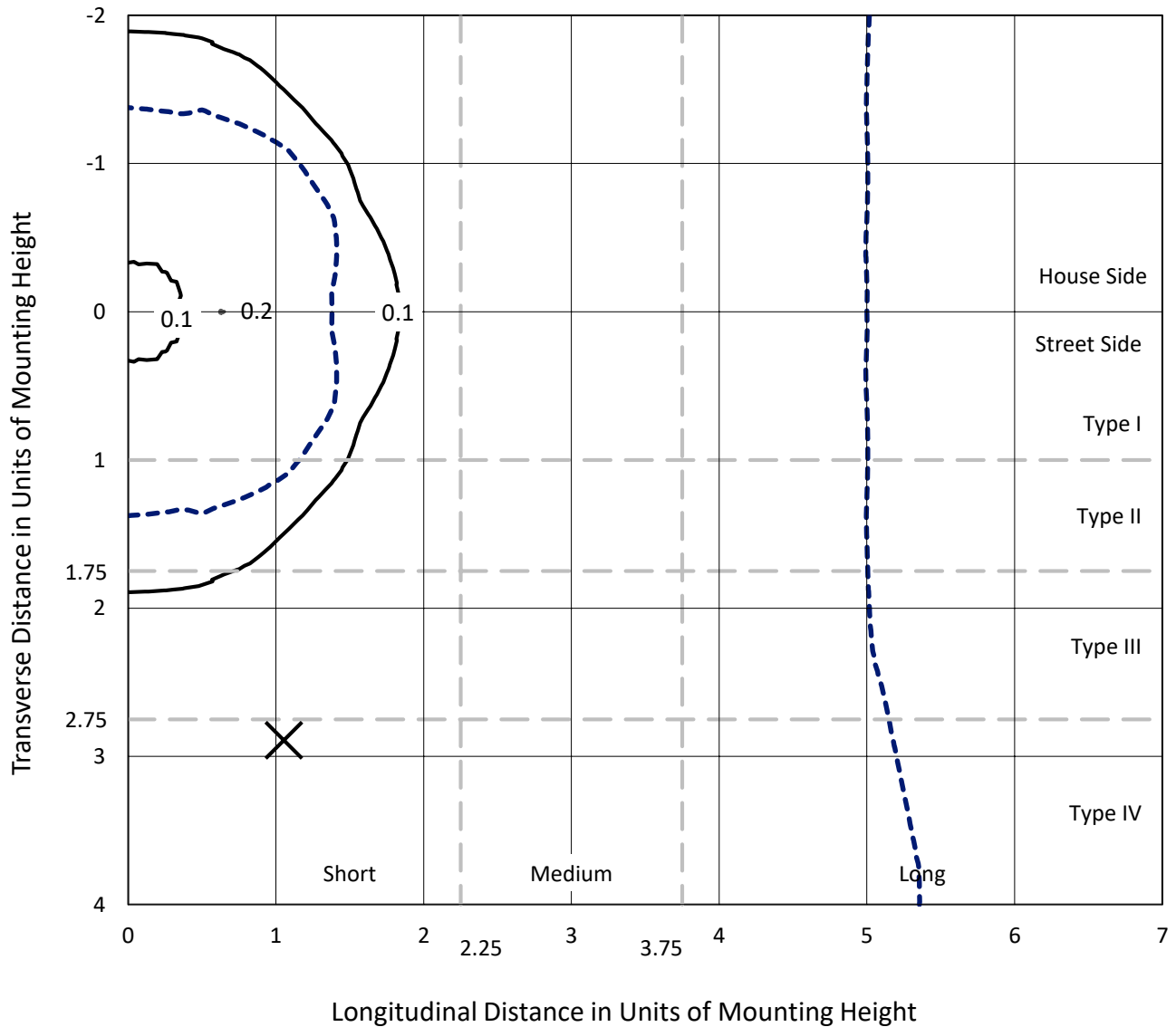
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414137  
 CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

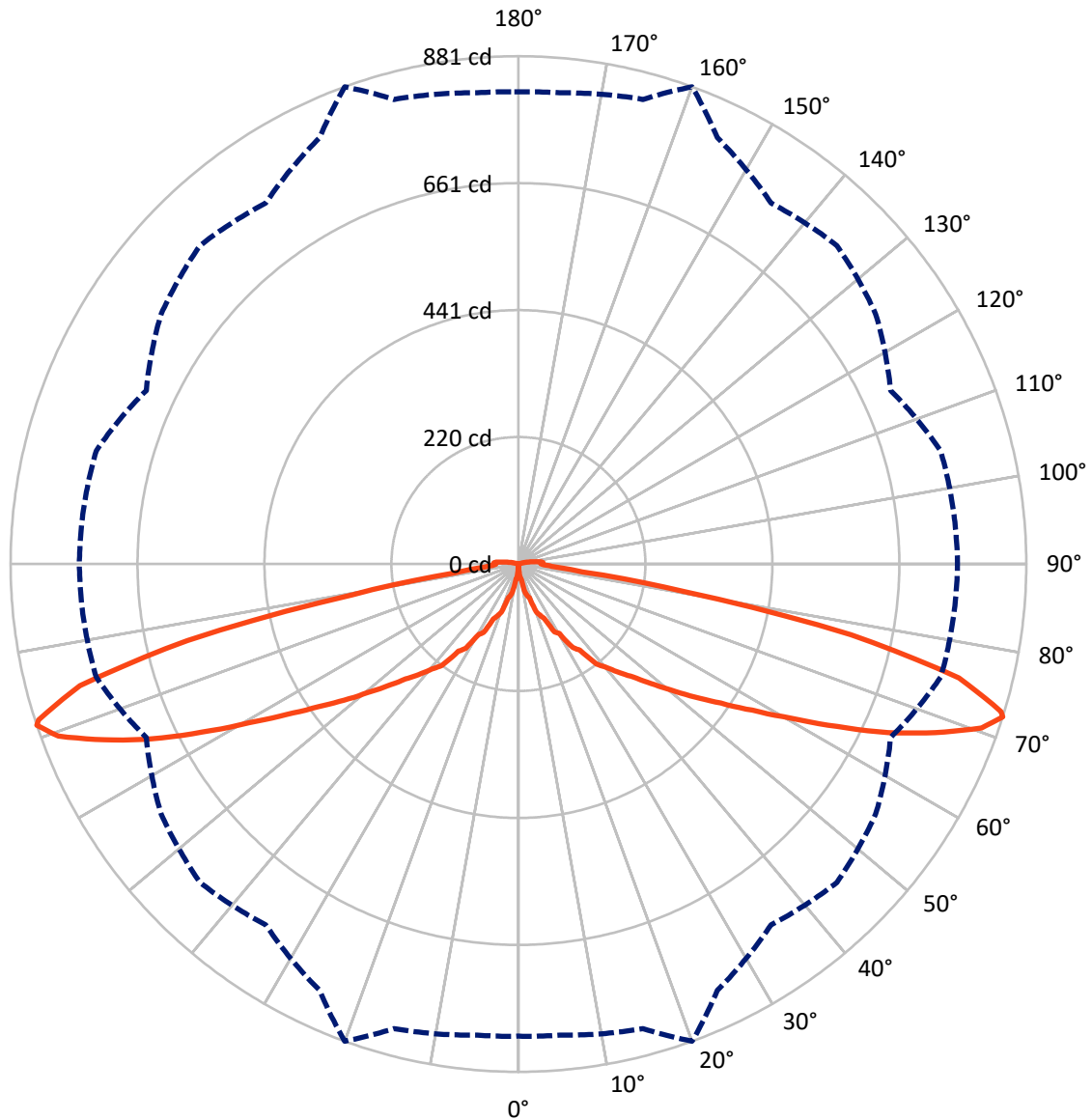
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.2 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P414137  
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414137

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

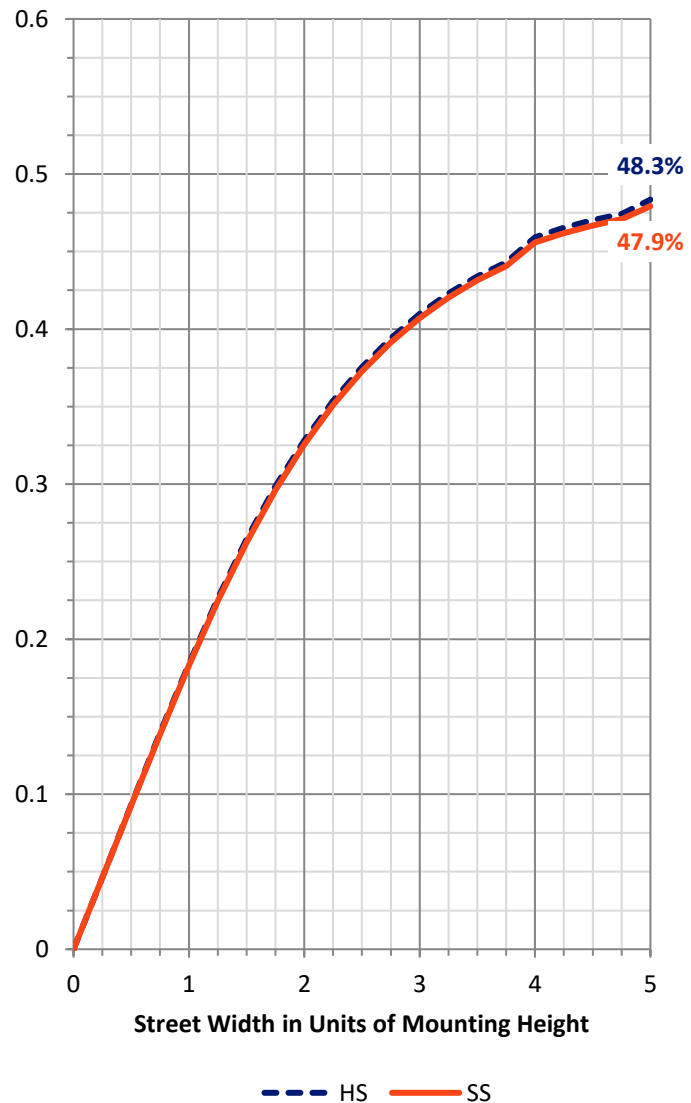
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1161.8	27.7	1189.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1161.8	27.7	1189.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	2323.7	55.3	2379.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	13.0	0.5
20°-30°	51.5	2.2
30°-40°	119.3	5.0
40°-50°	217.2	9.1
50°-60°	385.1	16.2
60°-70°	651.4	27.4
70°-80°	723.8	30.4
80°-90°	161.4	6.8
90°-100°	44.9	1.9
100°-110°	6.6	0.3
110°-120°	1.6	0.1
120°-130°	1.0	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2323.7	97.7
0°-180°	2379.0	100.0



REPORT NUMBER: P414137

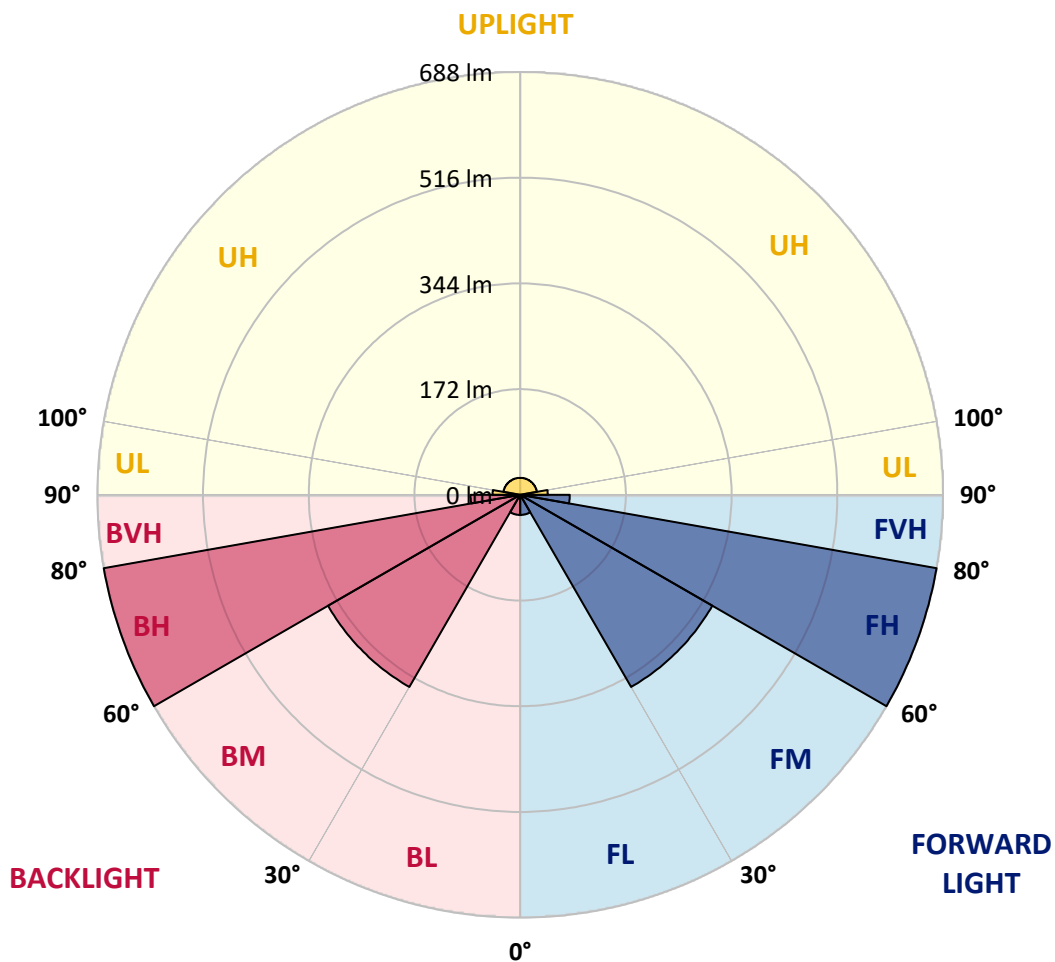
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	32.7	1.4			
FM	(30°-60°)	360.8	15.2			
FH	(60°-80°)	687.6	28.9			G1/1800
FVH	(80°-90°)	80.7	3.4			G1/100
BL	(0°-30°)	32.7	1.4	B0/110		
BM	(30°-60°)	360.8	15.2	B1/1000		
BH	(60°-80°)	687.6	28.9	B2/1000		G1/1800
BVH	(80°-90°)	80.7	3.4			G1/100
UL	(90°-100°)	44.9	1.9		U2/50	
UH	(100°-180°)	27.7	1.2		U2/50	

**BUG Rating: B2-U2-G1**

Type V Short





REPORT NUMBER: P414137

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.3	1.3	1.3	1.5	1.0	1.3	1.0	1.0	1.0	1.0	1.0
5°	11.1	10.8	10.1	18.6	8.8	4.5	2.5	1.5	1.0	1.0	1.0
7.5°	23.7	23.4	22.7	25.0	18.9	14.4	11.3	7.6	2.0	1.3	1.3
10°	28.5	28.2	27.2	27.5	26.5	25.7	21.2	12.9	5.8	2.0	2.0
12.5°	42.6	42.3	40.6	49.4	34.3	28.5	26.5	22.4	12.6	10.1	19.7
15°	58.2	58.2	55.7	57.0	47.1	41.6	30.7	38.6	42.3	40.3	43.1
17.5°	64.8	64.5	62.0	61.5	59.0	54.2	53.2	55.9	54.4	48.4	48.6
20°	82.4	82.2	78.9	88.5	73.1	61.5	76.6	67.0	61.7	70.3	81.7
22.5°	99.0	98.8	96.3	96.8	88.5	90.5	83.7	77.6	91.7	95.0	98.0
25°	117.4	116.7	106.9	104.8	97.8	107.1	96.0	111.6	102.1	106.6	114.7
27.5°	137.9	136.8	132.1	133.6	120.0	115.9	122.5	119.2	125.5	145.2	149.5
30°	151.0	145.2	140.9	140.1	142.9	129.8	134.8	138.1	144.9	153.5	161.0
32.5°	181.5	180.2	163.8	172.6	156.3	154.7	144.2	155.2	155.2	188.5	211.2
35°	195.1	193.8	189.3	183.5	179.4	165.6	170.6	167.1	192.8	205.1	224.1
37.5°	242.2	240.9	217.0	220.0	195.6	187.8	182.5	196.1	206.2	219.0	240.9
40°	260.6	259.6	250.0	236.4	227.3	204.9	198.3	209.7	222.0	236.1	258.6
42.5°	282.5	281.8	270.4	257.8	248.7	229.6	222.5	223.5	238.7	259.6	281.5
45°	308.7	308.7	301.4	279.7	270.9	257.3	246.0	247.2	261.3	286.6	309.2
47.5°	338.7	338.2	333.9	309.7	302.9	282.3	273.2	277.2	288.1	316.0	340.0
50°	373.8	371.2	371.0	343.3	334.9	313.8	305.2	312.0	318.6	346.3	372.2
52.5°	409.8	410.5	410.8	383.6	375.3	357.1	344.8	352.1	352.1	381.3	409.8
55°	452.6	454.4	453.1	426.2	427.4	407.8	390.9	400.0	396.7	424.7	450.1
57.5°	507.8	507.3	509.8	478.8	482.9	467.0	447.8	453.6	448.6	471.5	494.2
60°	563.0	563.0	569.6	542.6	553.4	529.5	517.2	520.2	502.3	521.4	541.6
62.5°	620.5	621.0	630.6	621.5	624.0	598.6	590.7	586.0	551.9	576.9	590.7
65°	678.7	679.5	695.3	705.2	686.5	663.3	656.5	644.9	608.4	643.7	646.2
67.5°	737.7	741.0	759.9	780.8	752.3	709.2	719.0	698.1	660.3	694.1	692.3
70°	802.4	804.7	817.6	852.6	801.4	746.0	756.6	741.2	696.3	738.4	741.7
72°	819.3	820.8	834.7	881.3	816.3	764.4	781.5	756.8	712.5	758.6	761.1
72.5°	818.3	820.6	831.9	875.8	815.8	767.7	786.1	758.6	712.2	757.3	757.1
75°	741.5	746.8	764.1	789.6	770.9	761.1	800.4	748.0	683.7	708.7	702.9
77.5°	544.1	548.2	573.4	589.5	626.3	692.3	763.1	687.0	597.8	586.5	567.3
80°	266.9	265.4	316.0	293.1	399.5	529.8	633.3	543.6	422.6	344.0	294.6
82.5°	90.2	95.5	116.2	111.9	177.7	305.7	428.7	335.7	195.8	133.3	110.1
85°	50.9	52.7	64.0	61.5	72.3	118.7	220.5	152.7	85.7	71.6	63.8
87.5°	44.9	45.6	45.1	44.4	47.9	66.5	66.8	69.1	52.4	48.6	48.9
90°	45.4	45.9	41.1	39.3	42.1	55.7	62.0	58.7	42.8	41.8	45.9
92.5°	49.1	49.6	44.6	42.8	45.1	57.2	63.8	60.5	43.3	44.6	48.9
95°	44.9	45.4	41.1	39.3	41.8	53.2	59.7	58.5	41.3	45.6	51.9
97.5°	28.7	29.0	28.7	28.7	33.0	40.3	42.1	39.8	27.5	28.0	28.5
100°	11.3	9.1	12.9	18.9	23.4	23.7	22.7	20.9	17.6	11.6	5.8
102.5°	3.8	3.8	8.8	12.3	13.9	11.1	8.8	8.8	10.3	7.3	3.8
105°	3.8	3.8	4.8	5.8	5.8	3.0	2.8	4.5	6.6	3.8	3.8
107.5°	3.5	3.8	2.5	2.3	2.0	2.0	2.0	2.0	2.5	2.8	3.8



REPORT NUMBER: P414137

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	3.0	3.0	2.0	2.0	1.8	1.5	2.0	1.8	2.0	2.3	3.0
112.5°	2.3	2.5	1.5	1.5	1.5	1.3	1.8	1.5	1.5	1.8	2.0
115°	2.3	2.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	2.0
117.5°	2.3	2.0	1.3	1.0	1.0	1.0	1.0	1.0	1.0	1.5	2.0
120°	2.3	2.0	1.3	1.0	0.8	0.8	0.8	0.8	1.0	1.3	2.0
122.5°	2.0	2.0	1.3	1.0	0.8	0.8	0.8	0.8	0.8	1.3	2.0
125°	2.0	2.0	1.3	1.0	0.8	0.8	0.5	0.8	0.8	1.3	1.8
127.5°	2.0	1.8	1.3	0.8	0.8	0.5	0.5	0.5	0.8	1.0	1.8
130°	1.8	1.8	1.3	0.8	0.5	0.5	0.5	0.5	0.5	1.0	1.5
132.5°	1.5	1.5	1.0	0.8	0.5	0.5	0.5	0.5	0.5	0.8	1.3
135°	1.3	1.3	1.0	0.8	0.5	0.8	0.5	0.5	0.5	0.5	1.0
137.5°	1.3	1.3	1.0	0.8	0.5	0.8	0.5	0.5	0.5	0.5	0.8
140°	1.3	1.3	1.0	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.8
142.5°	1.3	1.3	1.0	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8
145°	1.3	1.3	1.3	1.0	0.8	0.8	0.5	0.5	0.8	0.8	1.0
147.5°	1.5	1.5	1.3	1.0	0.8	0.5	0.5	0.5	0.8	1.0	1.0
150°	1.3	1.3	1.0	0.8	0.8	0.5	0.3	0.3	0.5	1.0	1.0
152.5°	1.0	1.0	0.8	0.5	0.5	0.3	0.0	0.3	0.5	0.8	1.0
155°	0.8	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.5	0.8
157.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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: P414137

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
0°	1.0
2.5°	1.0
5°	1.0
7.5°	1.3
10°	2.0
12.5°	20.2
15°	43.3
17.5°	48.6
20°	88.2
22.5°	99.3
25°	117.2
27.5°	153.0
30°	162.6
32.5°	216.5
35°	228.1
37.5°	243.7
40°	260.6
42.5°	282.3
45°	309.2
47.5°	340.5
50°	371.5
52.5°	408.8
55°	451.9
57.5°	493.0
60°	540.1
62.5°	587.5
65°	646.2
67.5°	692.3
70°	743.0
72°	761.9
72.5°	757.3
75°	703.9
77.5°	569.1
80°	289.1
82.5°	102.3
85°	62.8
87.5°	47.9
90°	45.1
92.5°	48.1
95°	51.2
97.5°	27.2
100°	4.0
102.5°	4.0
105°	4.0
107.5°	4.0



REPORT NUMBER: P414137

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
110°	3.3
112.5°	2.3
115°	2.3
117.5°	2.3
120°	2.3
122.5°	2.3
125°	2.0
127.5°	1.8
130°	1.5
132.5°	1.3
135°	1.0
137.5°	0.8
140°	0.8
142.5°	0.8
145°	1.0
147.5°	1.0
150°	1.0
152.5°	1.0
155°	0.8
157.5°	0.3
160°	0.3
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)