

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: P414293

Luminaire Tested: **LXF.LXT-PA1-20-750-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414293  
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-PA1-20-750-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 2845 lumens  
Efficiency: N/A  
Efficacy: 135.5 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 - U3 - G1

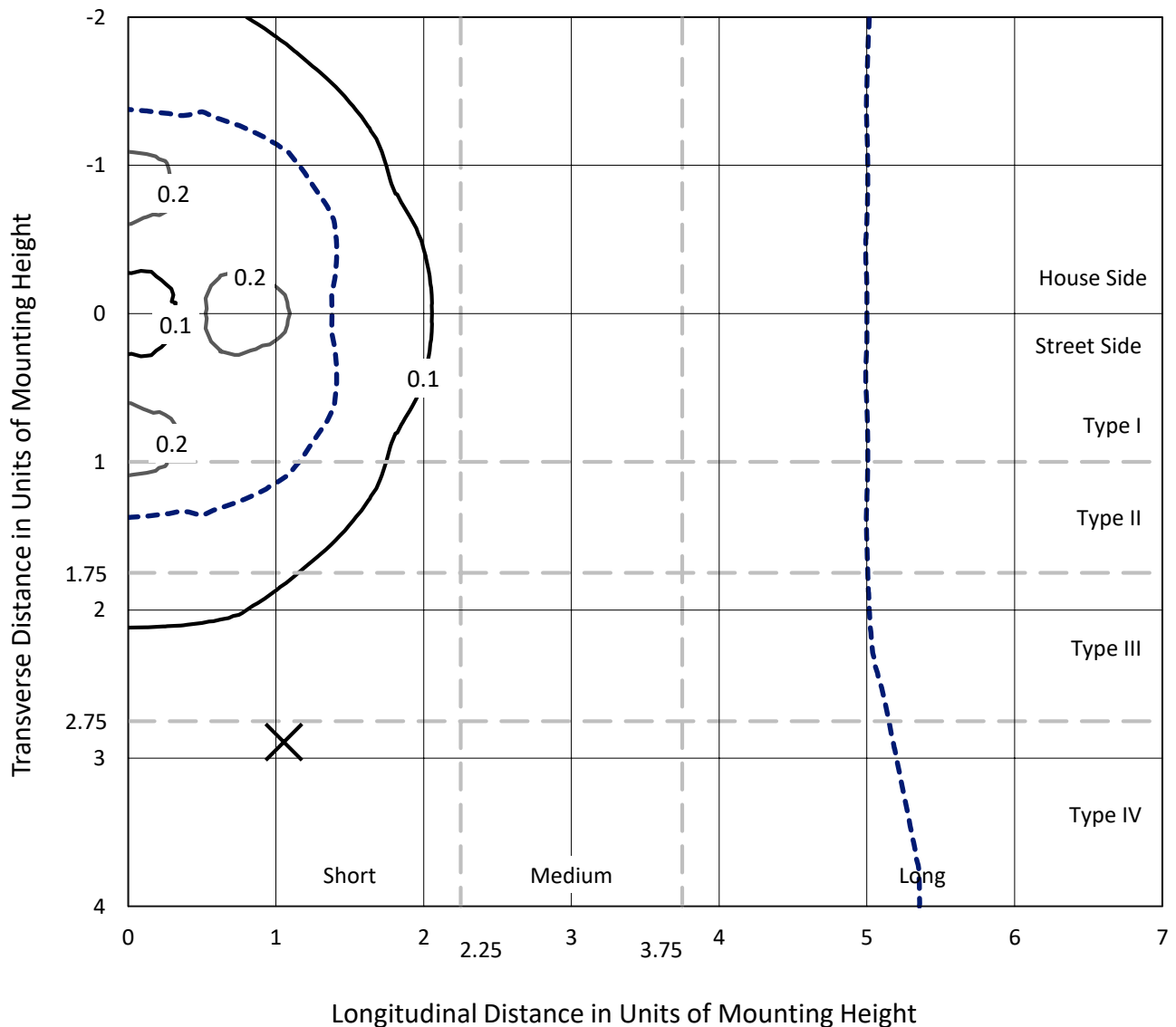
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P414293  
 CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

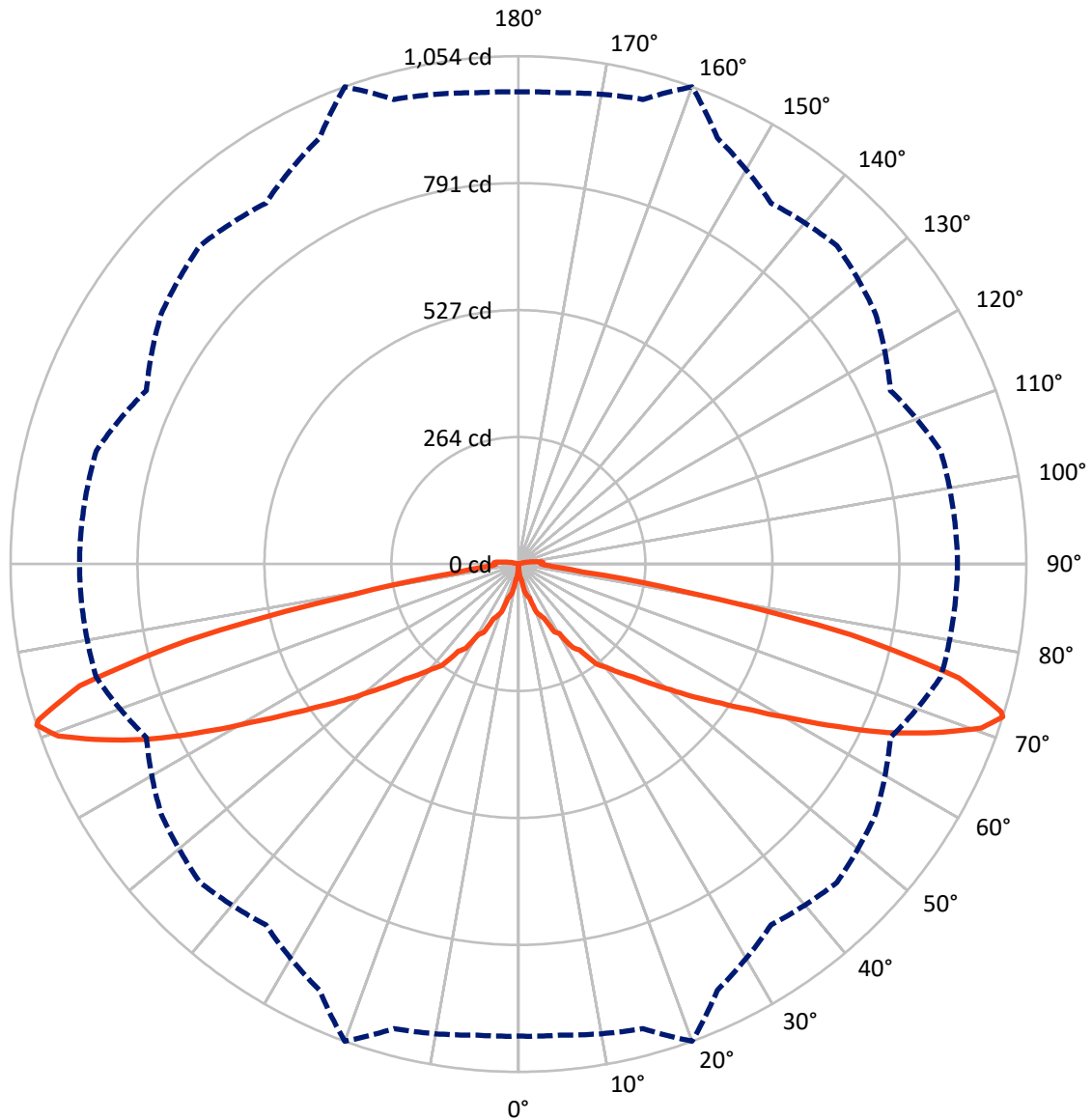
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414293  
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414293

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

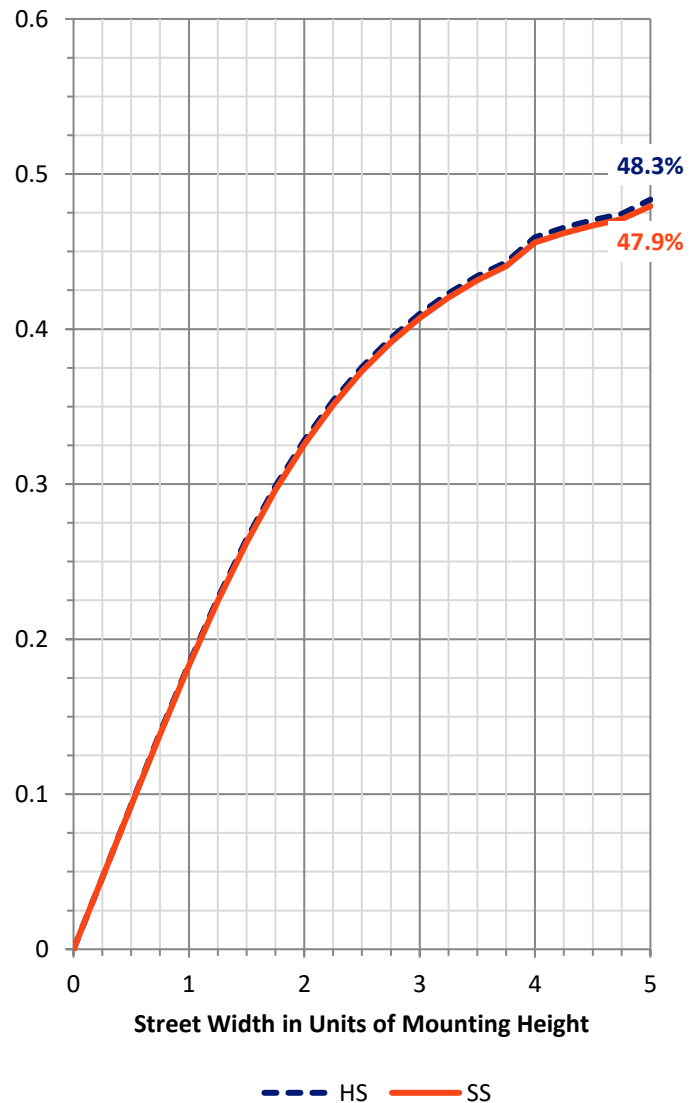
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1389.4	33.0	1422.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1389.4	33.0	1422.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	2778.9	66.1	2845.0
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.1	0.0
10°-20°	15.6	0.5
20°-30°	61.6	2.2
30°-40°	142.7	5.0
40°-50°	259.7	9.1
50°-60°	460.5	16.2
60°-70°	779.0	27.4
70°-80°	865.6	30.4
80°-90°	193.0	6.8
90°-100°	53.7	1.9
100°-110°	7.9	0.3
110°-120°	1.8	0.1
120°-130°	1.1	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2778.9	97.7
0°-180°	2845.0	100.0



REPORT NUMBER: P414293

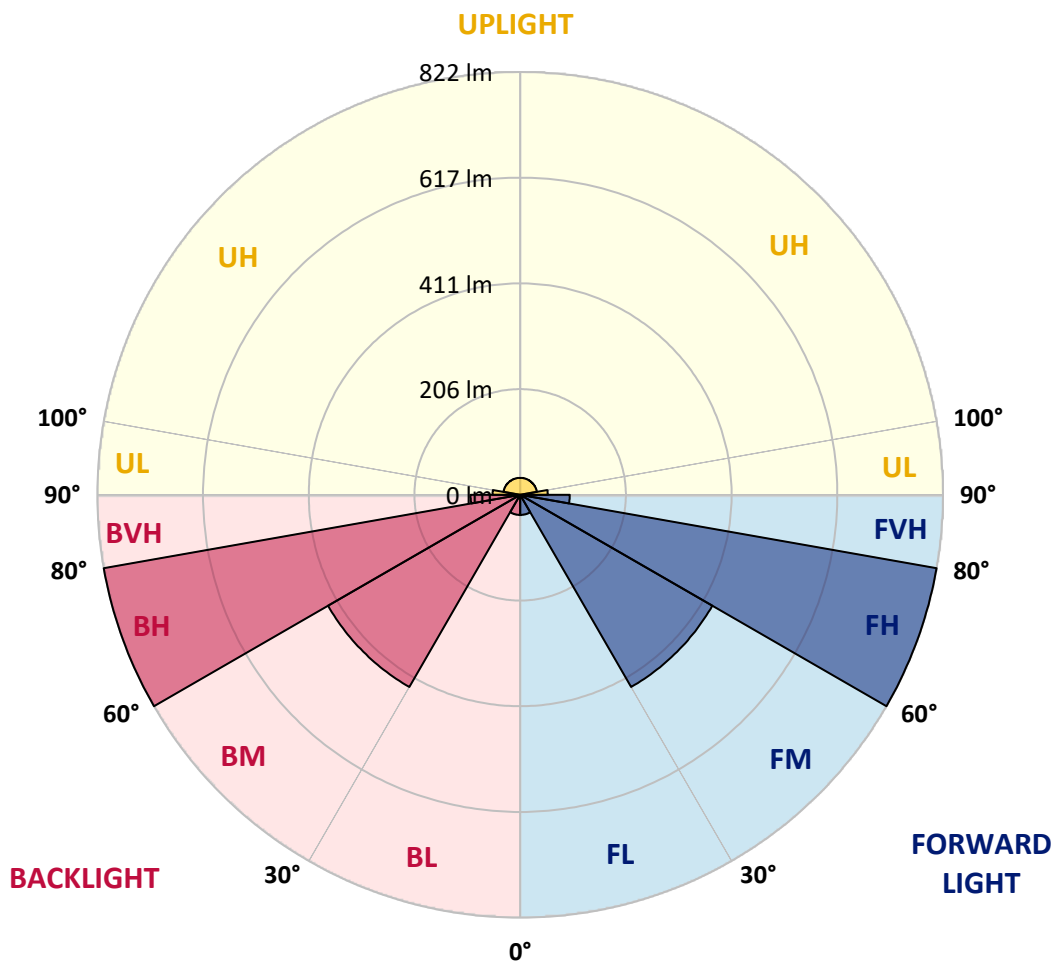
CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.2	1.4			
FM (30°-60°)	431.5	15.2			
FH (60°-80°)	822.3	28.9			G1/1800
FVH (80°-90°)	96.5	3.4			G1/100
BL (0°-30°)	39.2	1.4	B0/110		
BM (30°-60°)	431.5	15.2	B1/1000		
BH (60°-80°)	822.3	28.9	B2/1000		G1/1800
BVH (80°-90°)	96.5	3.4			G1/100
UL (90°-100°)	53.7	1.9		U3/500	
UH (100°-180°)	33.0	1.2		U2/50	

**BUG Rating: B2-U3-G1**

Type V Short





REPORT NUMBER: P414293

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.5	1.5	1.5	1.8	1.2	1.5	1.2	1.2	1.2	1.2	1.2
5°	13.3	13.0	12.1	22.3	10.5	5.4	3.0	1.8	1.2	1.2	1.2
7.5°	28.3	28.0	27.1	29.8	22.6	17.2	13.6	9.0	2.4	1.5	1.5
10°	34.1	33.8	32.6	32.9	31.6	30.7	25.3	15.4	6.9	2.4	2.4
12.5°	50.9	50.6	48.5	59.1	41.0	34.1	31.6	26.8	15.1	12.1	23.5
15°	69.6	69.6	66.6	68.1	56.4	49.7	36.8	46.1	50.6	48.2	51.5
17.5°	77.5	77.2	74.1	73.5	70.5	64.8	63.6	66.9	65.1	57.9	58.2
20°	98.6	98.3	94.3	105.8	87.4	73.5	91.6	80.2	73.8	84.1	97.7
22.5°	118.4	118.1	115.1	115.7	105.8	108.2	100.1	92.8	109.7	113.6	117.2
25°	140.4	139.5	127.8	125.4	116.9	128.1	114.8	133.5	122.1	127.5	137.1
27.5°	164.9	163.7	157.9	159.7	143.5	138.6	146.5	142.6	150.1	173.6	178.7
30°	180.5	173.6	168.5	167.6	170.9	155.2	161.2	165.2	173.3	183.5	192.6
32.5°	217.0	215.5	195.9	206.5	186.9	185.1	172.4	185.7	185.7	225.4	252.6
35°	233.3	231.8	226.3	219.4	214.6	198.0	204.0	199.8	230.6	245.3	267.9
37.5°	289.6	288.1	259.5	263.1	233.9	224.5	218.2	234.5	246.5	261.9	288.1
40°	311.6	310.4	299.0	282.7	271.9	245.0	237.2	250.8	265.5	282.4	309.2
42.5°	337.9	337.0	323.4	308.3	297.5	274.6	266.1	267.3	285.4	310.4	336.7
45°	369.2	369.2	360.5	334.5	324.0	307.7	294.2	295.7	312.5	342.7	369.8
47.5°	405.1	404.5	399.3	370.4	362.3	337.6	326.7	331.5	344.5	377.9	406.6
50°	447.0	444.0	443.6	410.5	400.5	375.2	365.0	373.1	381.0	414.1	445.2
52.5°	490.1	491.0	491.3	458.7	448.8	427.1	412.3	421.0	421.0	456.0	490.1
55°	541.3	543.4	541.9	509.7	511.2	487.7	467.5	478.3	474.4	507.8	538.3
57.5°	607.3	606.7	609.7	572.6	577.5	558.5	535.6	542.5	536.5	563.9	591.0
60°	673.3	673.3	681.1	648.9	661.9	633.2	618.5	622.1	600.7	623.6	647.7
62.5°	742.0	742.6	754.1	743.2	746.2	715.8	706.5	700.7	660.0	689.9	706.5
65°	811.6	812.6	831.5	843.3	821.0	793.3	785.1	771.3	727.6	769.8	772.8
67.5°	882.2	886.1	908.7	933.7	899.7	848.1	859.9	834.9	789.6	830.0	827.9
70°	959.6	962.3	977.7	1019.6	958.4	892.1	904.8	886.4	832.7	883.1	887.0
72°	979.8	981.6	998.2	1054.0	976.2	914.1	934.6	905.1	852.0	907.2	910.2
72.5°	978.6	981.3	994.9	1047.3	975.6	918.0	940.0	907.2	851.7	905.7	905.4
75°	886.7	893.0	913.8	944.3	922.0	910.2	957.2	894.5	817.7	847.5	840.6
77.5°	650.7	655.5	685.7	705.0	749.0	827.9	912.6	821.6	714.9	701.3	678.4
80°	319.2	317.4	377.9	350.5	477.7	633.5	757.4	650.1	505.4	411.4	352.3
82.5°	107.9	114.2	138.9	133.8	212.5	365.6	512.7	401.5	234.2	159.4	131.7
85°	60.9	63.0	76.6	73.5	86.5	142.0	263.7	182.6	102.5	85.6	76.3
87.5°	53.6	54.6	53.9	53.0	57.3	79.6	79.9	82.6	62.7	58.2	58.5
90°	54.3	54.9	49.1	47.0	50.3	66.6	74.1	70.2	51.2	50.0	54.9
92.5°	58.8	59.4	53.3	51.2	53.9	68.4	76.3	72.3	51.8	53.3	58.5
95°	53.6	54.3	49.1	47.0	50.0	63.6	71.4	69.9	49.4	54.6	62.1
97.5°	34.4	34.7	34.4	34.4	39.5	48.2	50.3	47.6	32.9	33.5	34.1
100°	13.6	10.9	15.4	22.6	28.0	28.3	27.1	25.0	21.1	13.9	6.9
102.5°	4.5	4.5	10.5	14.8	16.6	13.3	10.5	10.5	12.4	8.7	4.5
105°	4.5	4.5	5.7	6.9	6.9	3.6	3.3	5.4	7.8	4.5	4.5
107.5°	4.2	4.5	3.0	2.7	2.4	2.4	2.4	2.4	3.0	3.3	4.5



REPORT NUMBER: P414293

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	3.6	3.6	2.4	2.4	2.1	1.8	2.4	2.1	2.4	2.7	3.6
112.5°	2.7	3.0	1.8	1.8	1.8	1.5	2.1	1.8	1.8	2.1	2.4
115°	2.7	2.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.8	2.4
117.5°	2.7	2.4	1.5	1.2	1.2	1.2	1.2	1.2	1.2	1.8	2.4
120°	2.7	2.4	1.5	1.2	0.9	0.9	0.9	0.9	1.2	1.5	2.4
122.5°	2.4	2.4	1.5	1.2	0.9	0.9	0.9	0.9	0.9	1.5	2.4
125°	2.4	2.4	1.5	1.2	0.9	0.9	0.6	0.9	0.9	1.5	2.1
127.5°	2.4	2.1	1.5	0.9	0.9	0.6	0.6	0.6	0.9	1.2	2.1
130°	2.1	2.1	1.5	0.9	0.6	0.6	0.6	0.6	0.6	1.2	1.8
132.5°	1.8	1.8	1.2	0.9	0.6	0.6	0.6	0.6	0.6	0.9	1.5
135°	1.5	1.5	1.2	0.9	0.6	0.9	0.6	0.6	0.6	0.6	1.2
137.5°	1.5	1.5	1.2	0.9	0.6	0.9	0.6	0.6	0.6	0.6	0.9
140°	1.5	1.5	1.2	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.9
142.5°	1.5	1.5	1.2	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9
145°	1.5	1.5	1.5	1.2	0.9	0.9	0.6	0.6	0.9	0.9	1.2
147.5°	1.8	1.8	1.5	1.2	0.9	0.6	0.6	0.6	0.9	1.2	1.2
150°	1.5	1.5	1.2	0.9	0.9	0.6	0.3	0.3	0.6	1.2	1.2
152.5°	1.2	1.2	0.9	0.6	0.6	0.3	0.0	0.3	0.6	0.9	1.2
155°	0.9	0.6	0.6	0.3	0.3	0.0	0.0	0.0	0.3	0.6	0.9
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: P414293

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
0°	1.2
2.5°	1.2
5°	1.2
7.5°	1.5
10°	2.4
12.5°	24.1
15°	51.8
17.5°	58.2
20°	105.5
22.5°	118.7
25°	140.1
27.5°	182.9
30°	194.4
32.5°	258.9
35°	272.8
37.5°	291.4
40°	311.6
42.5°	337.6
45°	369.8
47.5°	407.2
50°	444.3
52.5°	488.9
55°	540.4
57.5°	589.5
60°	645.9
62.5°	702.5
65°	772.8
67.5°	827.9
70°	888.5
72°	911.1
72.5°	905.7
75°	841.8
77.5°	680.5
80°	345.7
82.5°	122.4
85°	75.0
87.5°	57.3
90°	53.9
92.5°	57.6
95°	61.2
97.5°	32.6
100°	4.8
102.5°	4.8
105°	4.8
107.5°	4.8



REPORT NUMBER: P414293

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
110°	3.9
112.5°	2.7
115°	2.7
117.5°	2.7
120°	2.7
122.5°	2.7
125°	2.4
127.5°	2.1
130°	1.8
132.5°	1.5
135°	1.2
137.5°	0.9
140°	0.9
142.5°	0.9
145°	1.2
147.5°	1.2
150°	1.2
152.5°	1.2
155°	0.9
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)