

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: P414814

Luminaire Tested: **LXF.LXT-PA1-30-827-U-5WQ-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414814  
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-PA1-30-827-U-5WQ-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 375mA 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: 2788 lumens  
Efficiency: N/A  
Efficacy: 89.9 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: B2 - U3 - G2

Input Watts (W): 31  
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

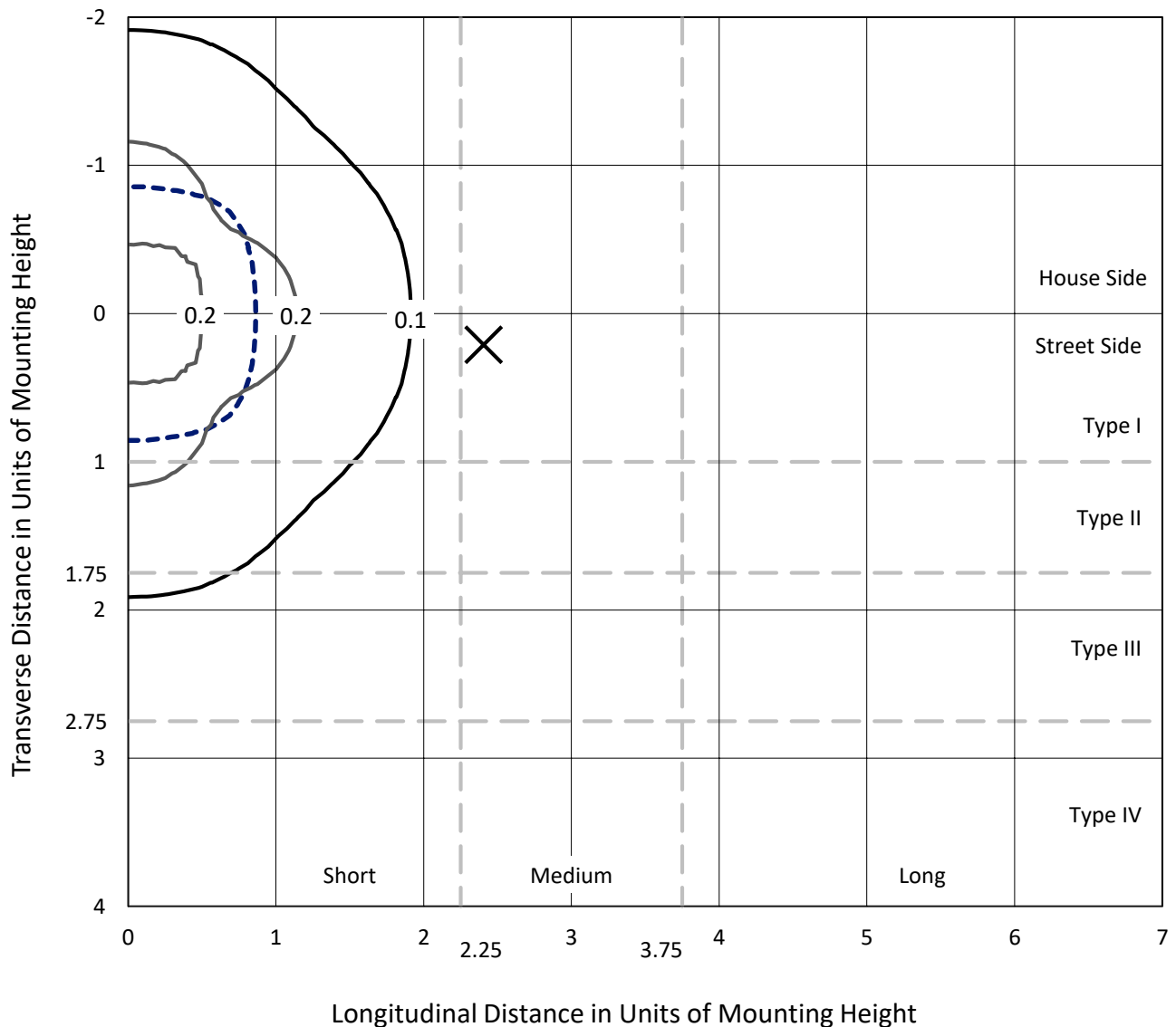


REPORT NUMBER: P414814

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

### Iso-Footcandle Lines of Horizontal Illumination

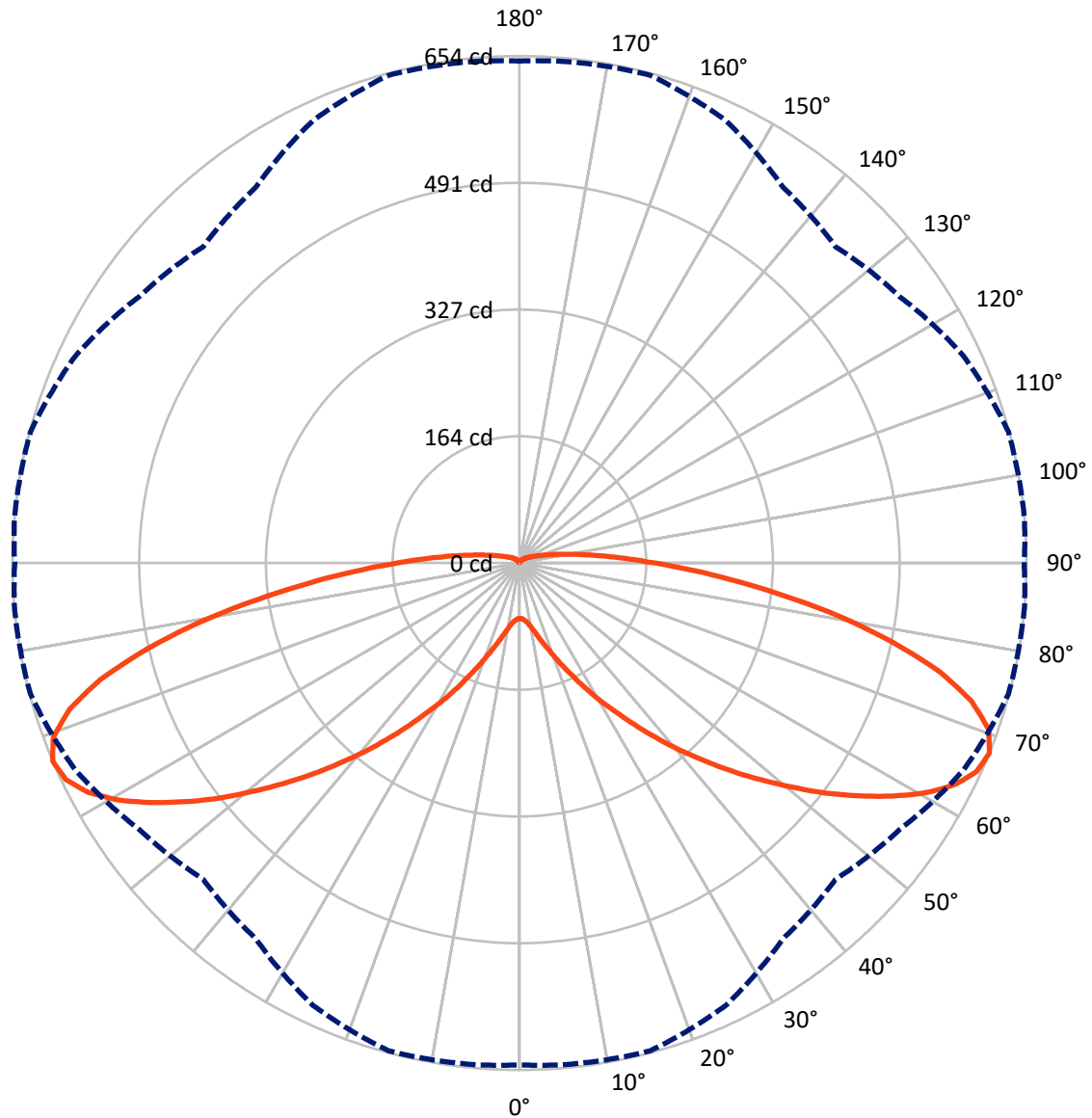
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P414814  
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P414814

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

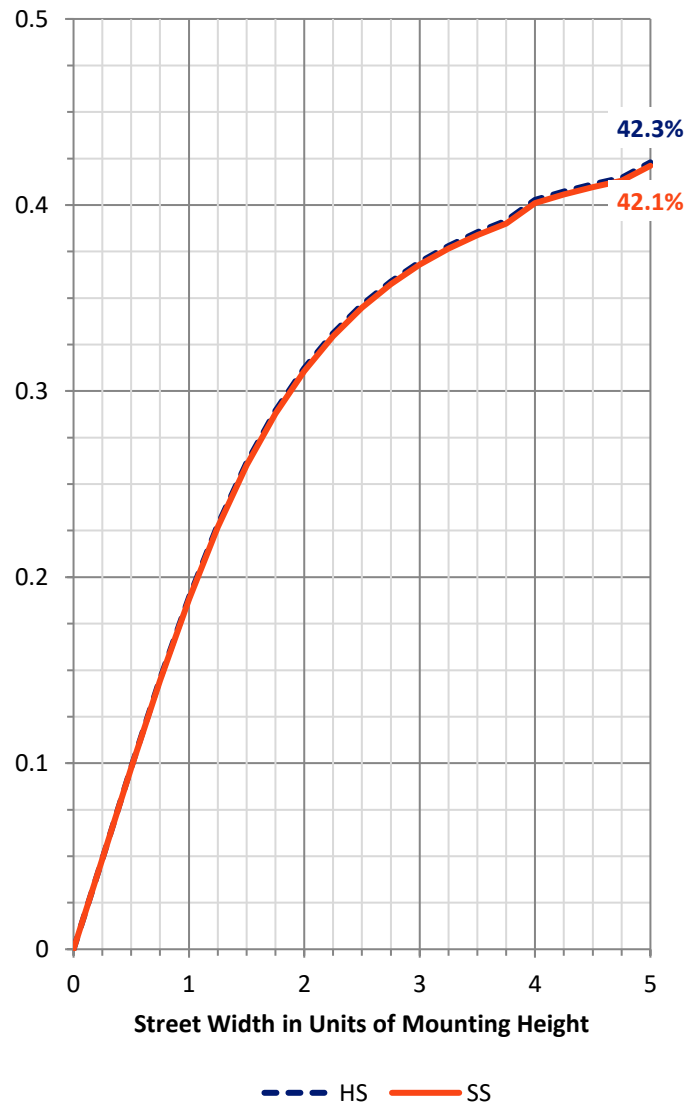
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1264.2	129.8	1394.0
	% Fixture	45.3	4.7	50.0
<b>Street Side</b>	Lumens	1264.2	129.8	1394.0
	% Fixture	45.3	4.7	50.0
<b>Total</b>	Lumens	2528.5	259.5	2788.0
	% Fixture	90.7	9.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	30.3	1.1
20°-30°	76.6	2.7
30°-40°	157.7	5.7
40°-50°	283.5	10.2
50°-60°	453.2	16.3
60°-70°	606.5	21.8
70°-80°	574.7	20.6
80°-90°	338.5	12.1
90°-100°	146.2	5.2
100°-110°	62.3	2.2
110°-120°	28.7	1.0
120°-130°	13.7	0.5
130°-140°	6.1	0.2
140°-150°	2.1	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2528.5	90.7
0°-180°	2788.0	100.0



REPORT NUMBER: P414814

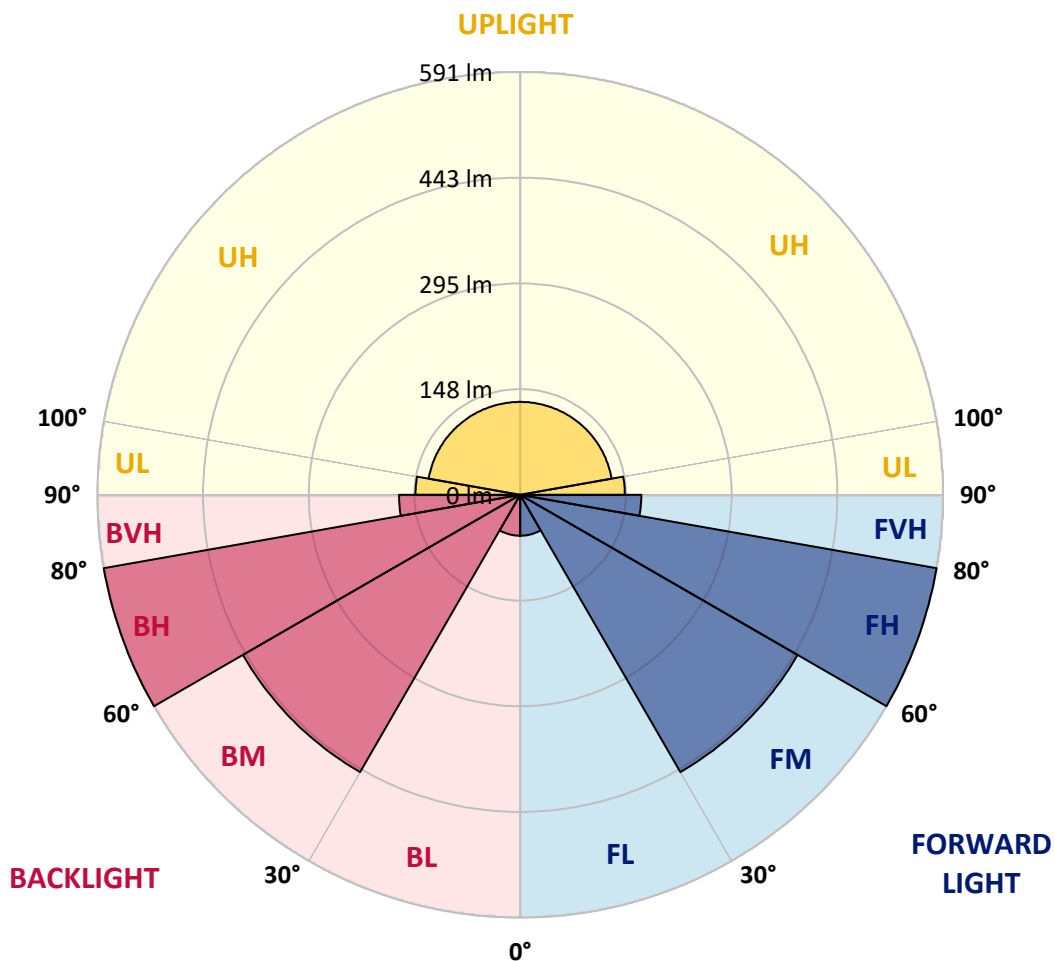
CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	57.2	2.1			
FM (30°-60°)	447.2	16.0			
FH (60°-80°)	590.6	21.2			G0/660
FVH (80°-90°)	169.2	6.1			G2/225
BL (0°-30°)	57.2	2.1	B0/110		
BM (30°-60°)	447.2	16.0	B1/1000		
BH (60°-80°)	590.6	21.2	B2/1000		G0/660
BVH (80°-90°)	169.2	6.1			G2/225
UL (90°-100°)	146.2	5.2		U3/500	
UH (100°-180°)	129.8	4.7		U3/500	

**BUG Rating: B2-U3-G2**

Type V Medium





REPORT NUMBER: P414814

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
2.5°	72.1	71.8	72.1	72.1	72.4	72.4	72.4	72.4	72.1	72.1	72.1
5°	74.6	74.6	74.6	74.6	74.9	74.9	74.9	74.6	74.6	74.6	74.6
7.5°	79.3	79.0	79.3	79.0	79.0	78.6	79.0	78.6	78.3	78.3	78.3
10°	85.2	85.2	85.2	84.9	84.9	84.9	84.2	84.2	84.2	84.6	84.2
12.5°	94.8	94.2	94.2	92.9	92.3	92.0	91.7	91.7	92.6	92.6	92.0
15°	106.0	105.7	105.7	104.1	102.9	101.0	101.3	102.6	102.6	103.2	102.9
17.5°	119.4	119.1	118.1	116.6	115.0	113.8	113.1	113.8	114.4	114.7	115.0
20°	134.0	133.7	132.4	130.9	129.3	128.7	126.5	127.4	128.1	128.7	128.4
22.5°	149.5	149.5	148.3	146.1	144.5	143.3	142.4	141.4	143.6	144.9	145.2
25°	168.5	167.9	165.7	163.2	161.3	160.4	159.2	159.2	160.7	163.2	163.8
27.5°	188.4	187.8	184.6	181.8	179.4	177.2	176.6	177.5	180.3	184.0	184.0
30°	210.4	209.2	206.4	202.0	198.0	195.8	196.5	198.0	202.0	206.4	206.1
32.5°	234.7	232.5	229.4	224.4	218.5	215.4	216.3	220.7	224.7	229.4	230.0
35°	260.5	260.2	255.2	248.7	241.2	236.2	238.1	244.0	250.2	256.8	257.7
37.5°	286.9	287.8	281.9	274.8	263.9	258.0	262.0	270.4	278.2	285.4	286.0
40°	319.2	318.3	312.4	301.8	288.8	282.2	285.7	297.5	307.4	316.4	317.1
42.5°	352.5	350.0	345.0	332.3	314.9	309.0	314.0	327.3	340.7	348.1	348.5
45°	383.9	384.8	379.2	364.0	344.7	335.7	342.9	358.7	374.3	382.3	383.3
47.5°	423.4	420.9	415.9	396.3	374.6	365.6	373.6	392.9	410.0	417.5	417.2
50°	461.9	460.4	453.2	432.7	408.1	397.3	405.3	429.0	447.6	454.1	455.7
52.5°	498.6	498.0	491.8	469.1	442.6	429.3	440.5	465.0	486.5	493.0	493.6
55°	536.2	534.3	529.7	506.1	475.9	461.0	475.0	502.3	524.4	530.6	530.9
57.5°	569.8	571.0	567.3	542.4	507.6	493.3	508.9	539.3	561.7	567.6	568.5
60°	603.4	603.7	600.9	576.6	539.6	523.5	541.5	573.2	597.1	602.4	602.7
62.5°	629.8	630.4	628.2	601.8	564.8	549.3	569.2	602.1	626.7	630.4	630.1
65°	645.9	647.8	646.6	622.6	583.1	568.8	589.7	624.2	646.6	648.7	647.8
67.5°	647.8	650.0	651.8	630.1	592.5	577.2	599.3	632.3	653.4	654.3	651.5
70°	634.1	636.3	640.7	622.6	587.8	575.1	596.2	625.7	643.5	642.2	639.1
72.5°	599.0	603.7	610.2	598.1	568.8	558.3	579.1	602.7	614.9	610.2	605.8
75°	548.6	553.3	565.7	558.9	536.5	530.6	546.2	563.9	567.3	560.5	554.5
77.5°	487.4	493.3	504.8	510.1	495.2	489.3	502.3	511.7	507.9	493.0	488.6
80°	415.9	425.2	437.4	445.8	442.0	440.2	446.7	445.8	432.1	420.3	412.8
82.5°	350.6	352.5	371.1	381.7	383.0	383.6	385.4	374.3	358.4	342.6	335.7
85°	286.6	287.2	302.8	318.0	323.9	325.8	322.3	307.4	291.0	273.2	268.6
87.5°	229.7	230.6	244.3	259.9	270.1	271.4	264.8	250.2	229.7	213.9	209.8
90°	181.5	184.6	198.3	211.1	221.9	223.8	214.5	198.9	180.0	164.7	162.3
92.5°	145.2	146.7	159.2	171.0	181.2	181.5	175.0	159.2	142.4	128.7	125.6
95°	116.6	117.8	127.8	138.6	147.0	148.9	141.4	127.4	111.9	100.1	99.5
97.5°	92.9	94.5	102.3	113.8	120.0	121.2	116.3	103.2	88.9	78.3	78.3
100°	74.6	75.5	82.4	92.0	98.5	99.8	94.8	83.3	70.9	61.5	60.9
102.5°	60.6	61.2	66.8	75.5	81.4	82.7	78.3	69.0	56.9	49.4	49.1
105°	49.7	50.0	54.4	62.5	68.1	69.0	65.0	56.9	46.0	39.8	39.5
107.5°	40.7	41.0	44.5	51.9	57.2	58.1	54.7	46.6	37.3	32.9	32.3
110°	34.2	34.5	37.0	42.9	48.2	49.4	46.0	38.9	30.8	27.0	27.0



REPORT NUMBER: P414814

CATALOG NUMBER: LXF.LXT-PA1-30-827-U-5WQ-FL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	28.9	29.2	31.1	36.1	40.7	42.3	38.9	32.3	25.8	23.0	22.7
115°	24.6	24.9	26.1	30.5	34.2	35.4	32.9	27.0	21.8	19.6	19.6
117.5°	21.4	21.8	22.4	25.8	29.2	30.2	27.7	22.7	18.3	17.1	17.1
120°	19.0	19.0	19.3	21.8	24.6	25.5	23.3	19.3	15.9	14.9	14.9
122.5°	16.5	16.5	16.8	18.7	20.8	21.4	19.6	16.2	13.7	13.4	13.1
125°	14.6	14.6	14.6	15.9	17.7	18.0	16.5	13.7	12.1	11.8	11.8
127.5°	12.7	12.7	12.7	13.4	14.6	14.9	13.7	11.5	10.6	10.3	10.3
130°	11.2	11.2	11.2	11.5	12.1	12.4	11.2	9.9	9.3	9.3	9.3
132.5°	9.9	9.9	9.6	9.6	9.9	9.9	9.3	8.4	8.1	8.1	8.1
135°	8.7	8.7	8.4	8.1	8.1	7.8	7.1	6.8	7.1	7.1	7.1
137.5°	7.5	7.5	7.1	6.8	6.5	6.2	5.9	5.6	5.9	6.2	6.2
140°	6.2	6.2	5.9	5.3	5.0	4.7	4.4	4.7	5.0	5.3	5.3
142.5°	5.0	5.0	5.0	4.4	3.7	3.4	3.4	3.7	4.0	4.4	4.4
145°	4.0	4.0	3.7	3.4	2.8	2.5	2.5	2.8	3.4	3.4	3.4
147.5°	3.1	3.1	2.8	2.5	1.9	1.6	1.9	2.2	2.5	2.8	2.8
150°	2.2	2.2	2.2	1.9	1.2	1.2	1.2	1.6	1.9	1.9	1.9
152.5°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.2	1.2	1.2	1.2
155°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	0.9	0.9
157.5°	0.3	0.3	0.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.0	0.0	0.3	0.3	0.6	0.6	0.6	0.6	0.3	0.3	0.3
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)