

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: P415229

Luminaire Tested: **LXF.LXT-PA1-40-827-U-5WQ-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415229  
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-PA1-40-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 500mA 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: 3798.9 lumens  
Efficiency: N/A  
Efficacy: 95.0 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 - G2

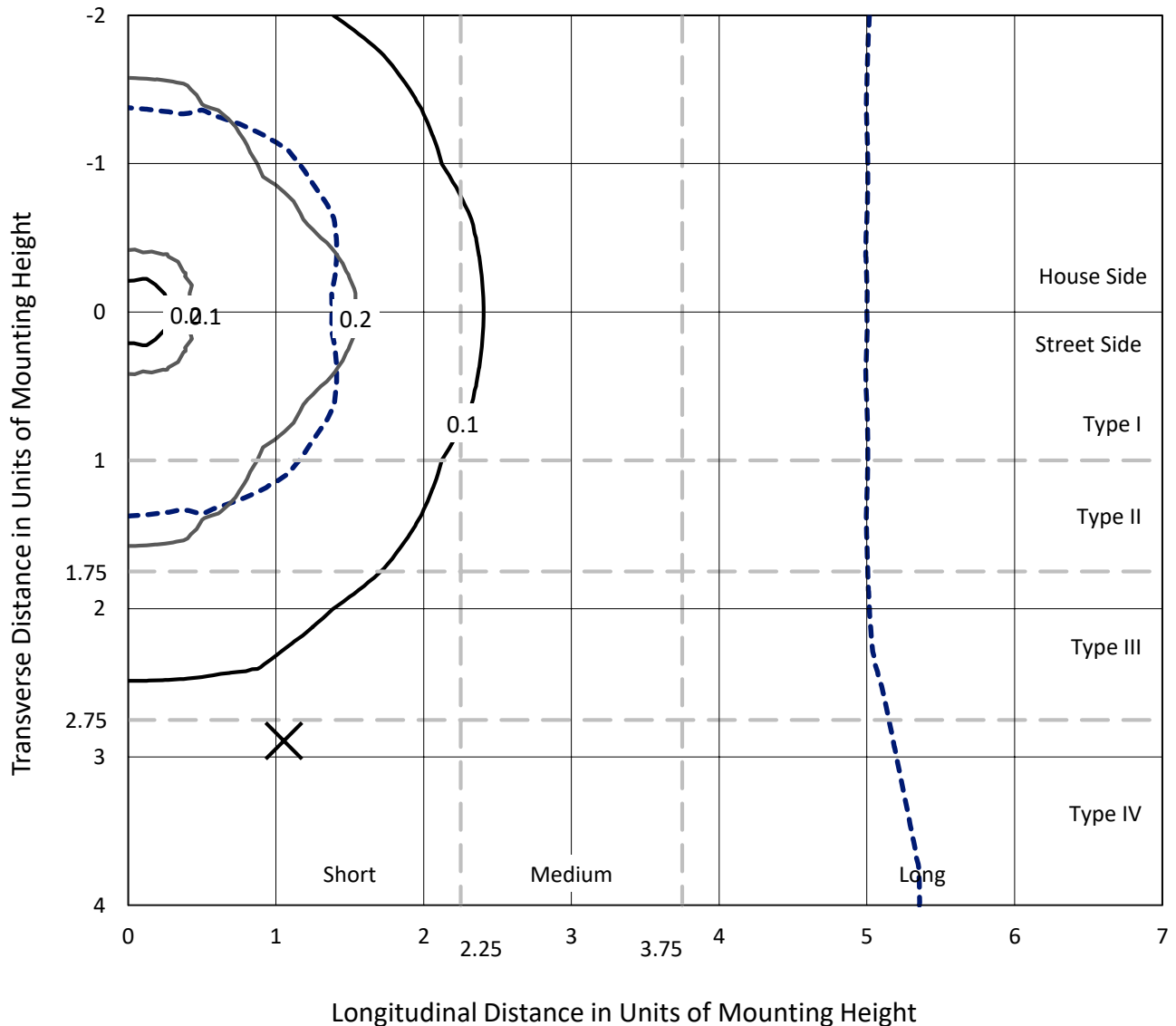
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P415229  
 CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

### Iso-Footcandle Lines of Horizontal Illumination

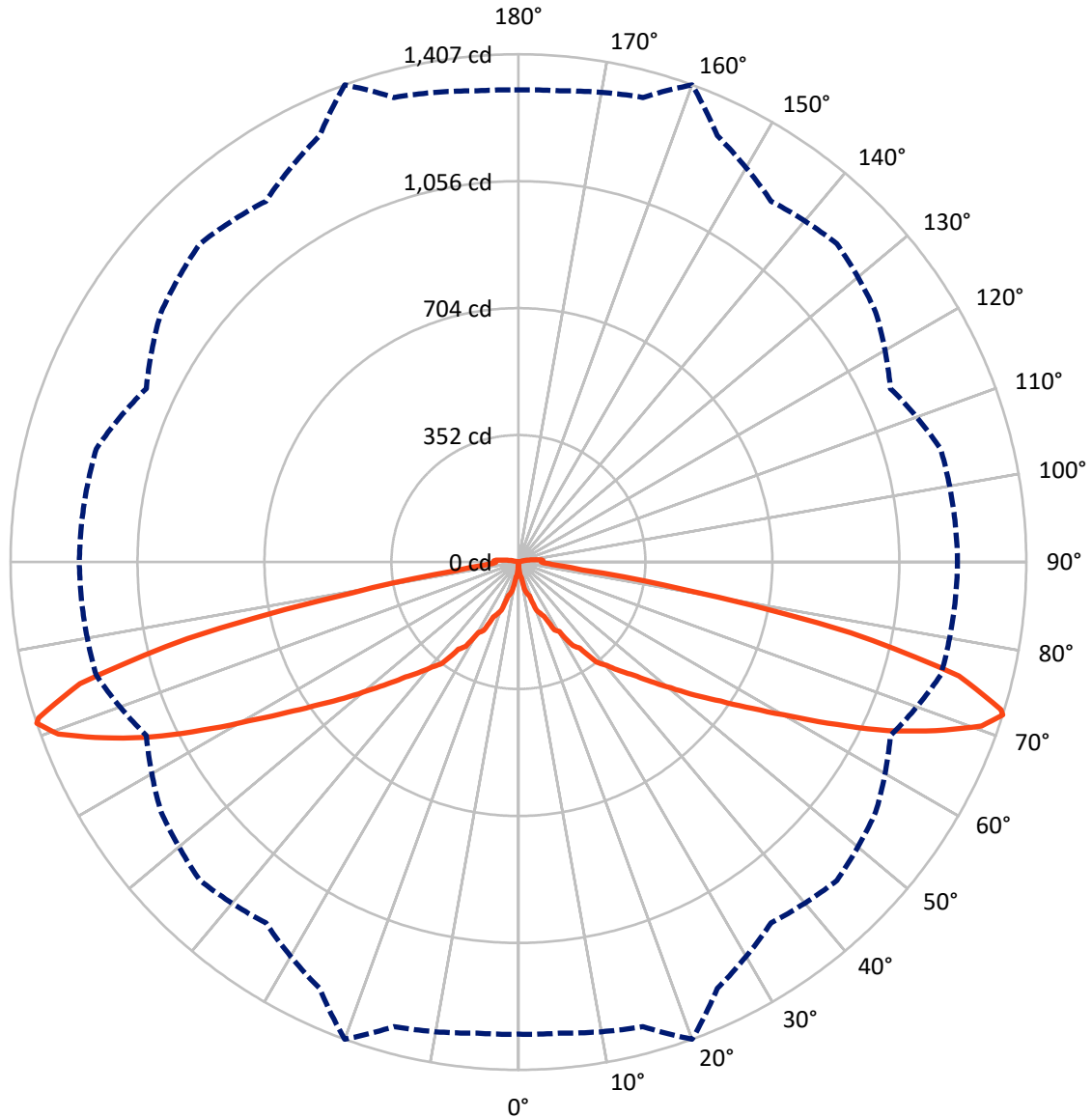
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P415229  
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P415229

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

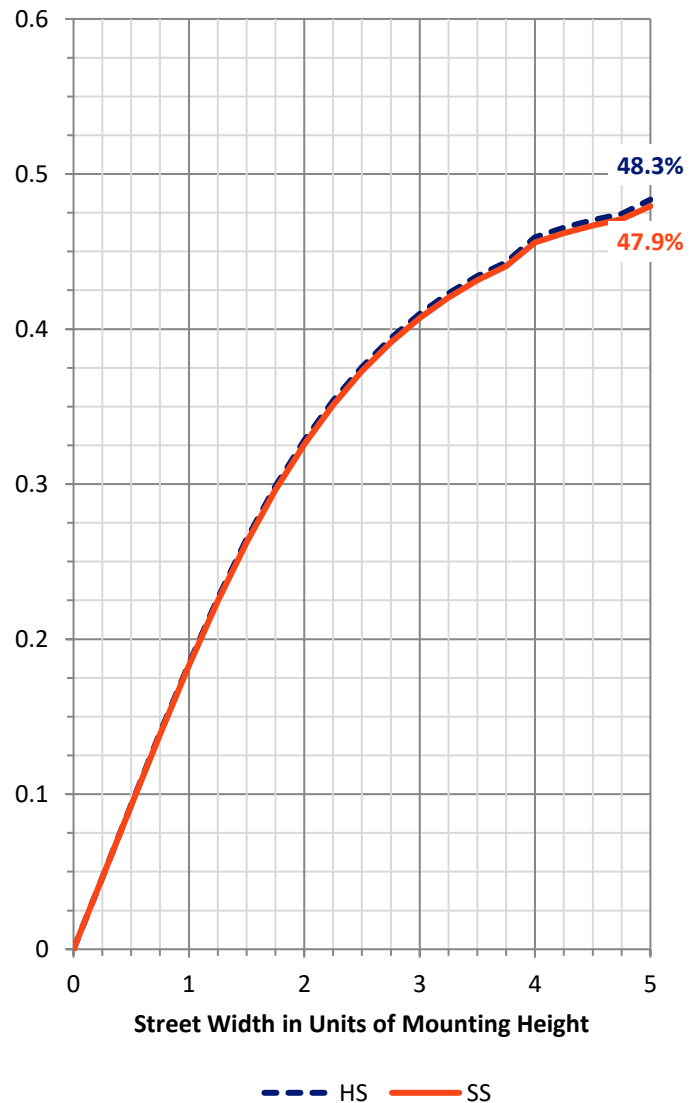
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1855.4	44.1	1899.5
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	1855.4	44.1	1899.5
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	3710.7	88.2	3798.9
	% Fixture	97.7	2.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.0
10°-20°	20.8	0.5
20°-30°	82.3	2.2
30°-40°	190.6	5.0
40°-50°	346.8	9.1
50°-60°	615.0	16.2
60°-70°	1040.3	27.4
70°-80°	1155.8	30.4
80°-90°	257.7	6.8
90°-100°	71.7	1.9
100°-110°	10.6	0.3
110°-120°	2.5	0.1
120°-130°	1.5	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3710.7	97.7
0°-180°	3798.9	100.0



REPORT NUMBER: P415229

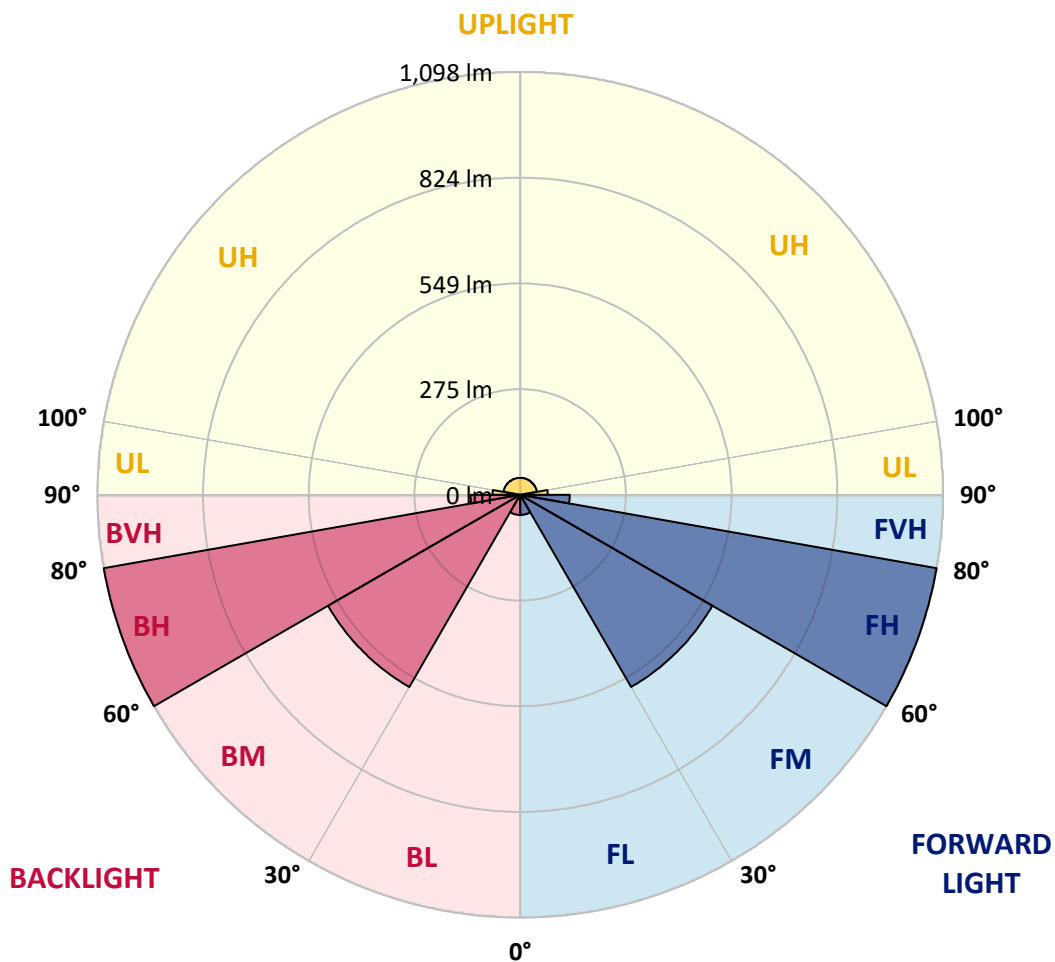
CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	52.3	1.4			
FM (30°-60°)	576.2	15.2			
FH (60°-80°)	1098.0	28.9			G1/1800
FVH (80°-90°)	128.8	3.4			G2/225
BL (0°-30°)	52.3	1.4	B0/110		
BM (30°-60°)	576.2	15.2	B1/1000		
BH (60°-80°)	1098.0	28.9	B3/2500		G1/1800
BVH (80°-90°)	128.8	3.4			G2/225
UL (90°-100°)	71.7	1.9		U3/500	
UH (100°-180°)	44.1	1.2		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short





REPORT NUMBER: P415229

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.0	2.0	2.0	2.4	1.6	2.0	1.6	1.6	1.6	1.6	1.6
5°	17.7	17.3	16.1	29.8	14.1	7.2	4.0	2.4	1.6	1.6	1.6
7.5°	37.8	37.4	36.2	39.8	30.2	22.9	18.1	12.1	3.2	2.0	2.0
10°	45.5	45.1	43.5	43.9	42.3	41.1	33.8	20.5	9.3	3.2	3.2
12.5°	68.0	67.6	64.8	78.9	54.7	45.5	42.3	35.8	20.1	16.1	31.4
15°	93.0	93.0	88.9	91.0	75.3	66.4	49.1	61.6	67.6	64.4	68.8
17.5°	103.4	103.0	99.0	98.2	94.2	86.5	84.9	89.3	86.9	77.3	77.7
20°	131.6	131.2	126.0	141.3	116.7	98.2	122.3	107.1	98.6	112.3	130.4
22.5°	158.2	157.8	153.7	154.5	141.3	144.5	133.6	124.0	146.5	151.7	156.6
25°	187.5	186.3	170.6	167.4	156.2	171.0	153.3	178.3	163.0	170.2	183.1
27.5°	220.1	218.5	210.9	213.3	191.6	185.1	195.6	190.4	200.4	231.8	238.7
30°	241.1	231.8	225.0	223.8	228.2	207.3	215.3	220.5	231.4	245.1	257.2
32.5°	289.8	287.8	261.6	275.7	249.5	247.1	230.2	247.9	247.9	301.0	337.3
35°	311.5	309.5	302.2	293.0	286.5	264.4	272.5	266.8	307.9	327.6	357.8
37.5°	386.8	384.7	346.5	351.3	312.3	299.8	291.4	313.1	329.2	349.7	384.7
40°	416.1	414.5	399.2	377.5	363.0	327.2	316.7	334.8	354.6	377.1	412.9
42.5°	451.2	449.9	431.8	411.7	397.2	366.6	355.4	357.0	381.1	414.5	449.5
45°	493.0	493.0	481.3	446.7	432.6	410.9	392.8	394.8	417.3	457.6	493.8
47.5°	540.9	540.1	533.3	494.6	483.8	450.8	436.3	442.7	460.0	504.7	542.9
50°	596.8	592.8	592.4	548.1	534.9	501.1	487.4	498.2	508.7	553.0	594.4
52.5°	654.4	655.6	656.0	612.5	599.3	570.3	550.6	562.2	562.2	608.9	654.4
55°	722.8	725.6	723.6	680.6	682.6	651.2	624.2	638.7	633.5	678.1	718.8
57.5°	810.9	810.1	814.2	764.7	771.1	745.8	715.2	724.4	716.4	753.0	789.2
60°	899.1	899.1	909.6	866.5	883.8	845.6	825.8	830.7	802.1	832.7	864.9
62.5°	990.8	991.7	1006.9	992.5	996.5	955.8	943.4	935.7	881.4	921.2	943.4
65°	1083.8	1085.0	1110.4	1126.1	1096.3	1059.3	1048.4	1029.9	971.5	1027.9	1031.9
67.5°	1178.0	1183.2	1213.4	1246.8	1201.3	1132.5	1148.2	1114.8	1054.4	1108.4	1105.5
70°	1281.4	1285.0	1305.6	1361.5	1279.8	1191.3	1208.2	1183.6	1112.0	1179.2	1184.4
72°	1308.4	1310.8	1332.9	1407.4	1303.6	1220.6	1248.0	1208.6	1137.7	1211.4	1215.4
72.5°	1306.8	1310.4	1328.5	1398.5	1302.8	1225.9	1255.3	1211.4	1137.3	1209.4	1209.0
75°	1184.0	1192.5	1220.2	1260.9	1231.1	1215.4	1278.2	1194.5	1091.9	1131.7	1122.4
77.5°	868.9	875.3	915.6	941.3	1000.1	1105.5	1218.6	1097.1	954.6	936.5	905.9
80°	426.2	423.8	504.7	468.1	637.9	846.0	1011.4	868.1	674.9	549.4	470.5
82.5°	144.1	152.5	185.5	178.7	283.7	488.2	684.6	536.1	312.7	212.9	175.9
85°	81.3	84.1	102.2	98.2	115.5	189.6	352.1	243.9	136.8	114.3	101.8
87.5°	71.6	72.8	72.0	70.8	76.5	106.2	106.7	110.3	83.7	77.7	78.1
90°	72.4	73.2	65.6	62.8	67.2	88.9	99.0	93.8	68.4	66.8	73.2
92.5°	78.5	79.3	71.2	68.4	72.0	91.4	101.8	96.6	69.2	71.2	78.1
95°	71.6	72.4	65.6	62.8	66.8	84.9	95.4	93.4	66.0	72.8	82.9
97.5°	45.9	46.3	45.9	45.9	52.7	64.4	67.2	63.6	43.9	44.7	45.5
100°	18.1	14.5	20.5	30.2	37.4	37.8	36.2	33.4	28.2	18.5	9.3
102.5°	6.0	6.0	14.1	19.7	22.1	17.7	14.1	14.1	16.5	11.7	6.0
105°	6.0	6.0	7.6	9.3	9.3	4.8	4.4	7.2	10.5	6.0	6.0
107.5°	5.6	6.0	4.0	3.6	3.2	3.2	3.2	3.2	4.0	4.4	6.0



REPORT NUMBER: P415229

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	4.8	4.8	3.2	3.2	2.8	2.4	3.2	2.8	3.2	3.6	4.8
112.5°	3.6	4.0	2.4	2.4	2.4	2.0	2.8	2.4	2.4	2.8	3.2
115°	3.6	3.6	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.2
117.5°	3.6	3.2	2.0	1.6	1.6	1.6	1.6	1.6	1.6	2.4	3.2
120°	3.6	3.2	2.0	1.6	1.2	1.2	1.2	1.2	1.6	2.0	3.2
122.5°	3.2	3.2	2.0	1.6	1.2	1.2	1.2	1.2	1.2	2.0	3.2
125°	3.2	3.2	2.0	1.6	1.2	1.2	0.8	1.2	1.2	2.0	2.8
127.5°	3.2	2.8	2.0	1.2	1.2	0.8	0.8	0.8	1.2	1.6	2.8
130°	2.8	2.8	2.0	1.2	0.8	0.8	0.8	0.8	0.8	1.6	2.4
132.5°	2.4	2.4	1.6	1.2	0.8	0.8	0.8	0.8	0.8	1.2	2.0
135°	2.0	2.0	1.6	1.2	0.8	1.2	0.8	0.8	0.8	0.8	1.6
137.5°	2.0	2.0	1.6	1.2	0.8	1.2	0.8	0.8	0.8	0.8	1.2
140°	2.0	2.0	1.6	1.2	1.2	1.2	0.8	0.8	0.8	0.8	1.2
142.5°	2.0	2.0	1.6	1.2	1.2	1.2	0.8	0.8	0.8	1.2	1.2
145°	2.0	2.0	2.0	1.6	1.2	1.2	0.8	0.8	1.2	1.2	1.6
147.5°	2.4	2.4	2.0	1.6	1.2	0.8	0.8	0.8	1.2	1.6	1.6
150°	2.0	2.0	1.6	1.2	1.2	0.8	0.4	0.4	0.8	1.6	1.6
152.5°	1.6	1.6	1.2	0.8	0.8	0.4	0.0	0.4	0.8	1.2	1.6
155°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0	0.4	0.8	1.2
157.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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: P415229

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
0°	1.6
2.5°	1.6
5°	1.6
7.5°	2.0
10°	3.2
12.5°	32.2
15°	69.2
17.5°	77.7
20°	140.9
22.5°	158.6
25°	187.1
27.5°	244.3
30°	259.6
32.5°	345.7
35°	364.2
37.5°	389.2
40°	416.1
42.5°	450.8
45°	493.8
47.5°	543.7
50°	593.2
52.5°	652.8
55°	721.6
57.5°	787.2
60°	862.5
62.5°	938.1
65°	1031.9
67.5°	1105.5
70°	1186.4
72°	1216.6
72.5°	1209.4
75°	1124.1
77.5°	908.7
80°	461.6
82.5°	163.4
85°	100.2
87.5°	76.5
90°	72.0
92.5°	76.9
95°	81.7
97.5°	43.5
100°	6.4
102.5°	6.4
105°	6.4
107.5°	6.4



REPORT NUMBER: P415229

CATALOG NUMBER: LXF.LXT-PA1-40-827-U-5WQ-CL

**CANDELA DISTRIBUTION (continued):**

	90°
110°	5.2
112.5°	3.6
115°	3.6
117.5°	3.6
120°	3.6
122.5°	3.6
125°	3.2
127.5°	2.8
130°	2.4
132.5°	2.0
135°	1.6
137.5°	1.2
140°	1.2
142.5°	1.2
145°	1.6
147.5°	1.6
150°	1.6
152.5°	1.6
155°	1.2
157.5°	0.4
160°	0.4
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)