

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: P414152

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
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-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2129 lumens  
Efficiency: N/A  
Efficacy: 101.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U2 - G1

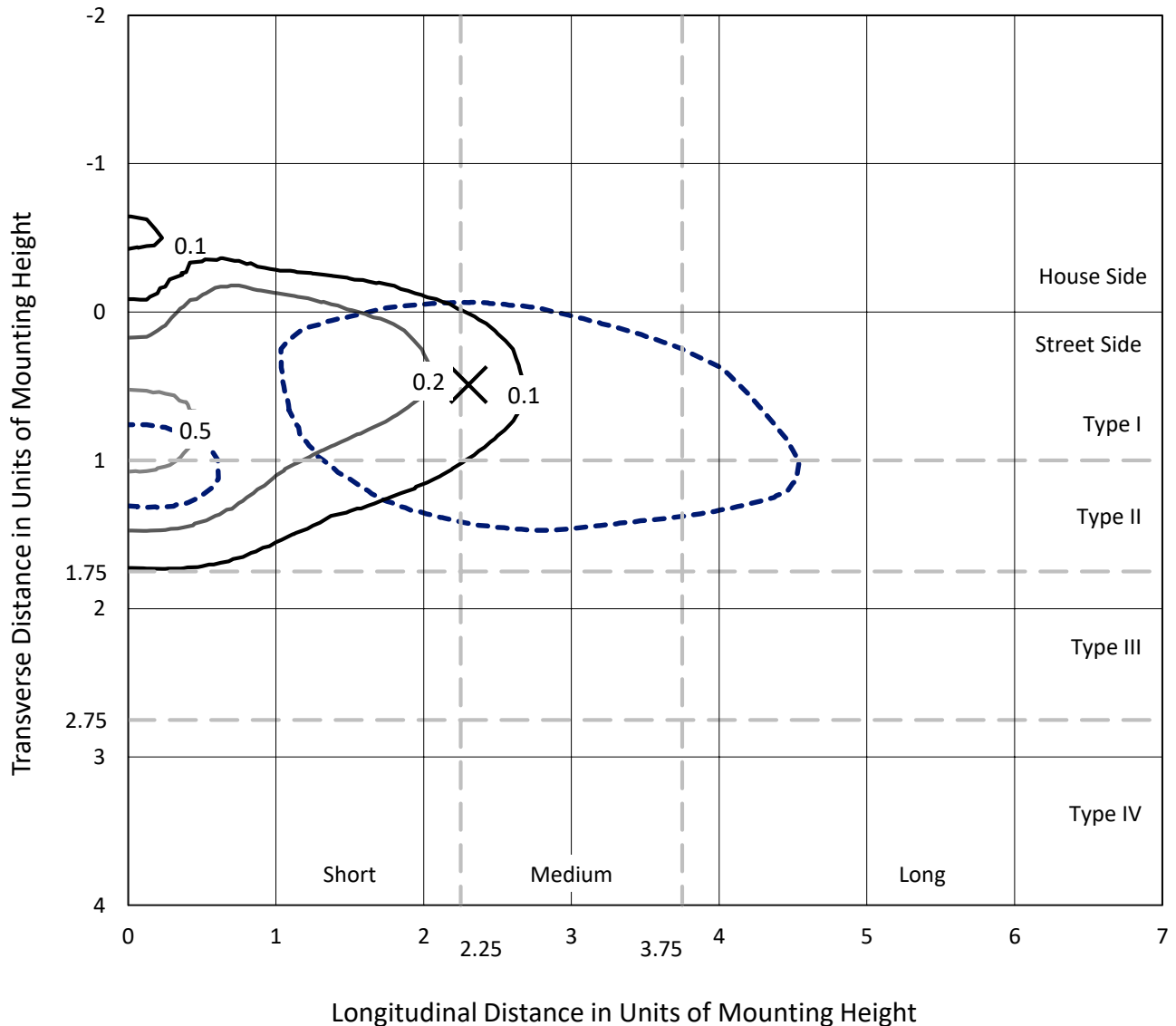
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

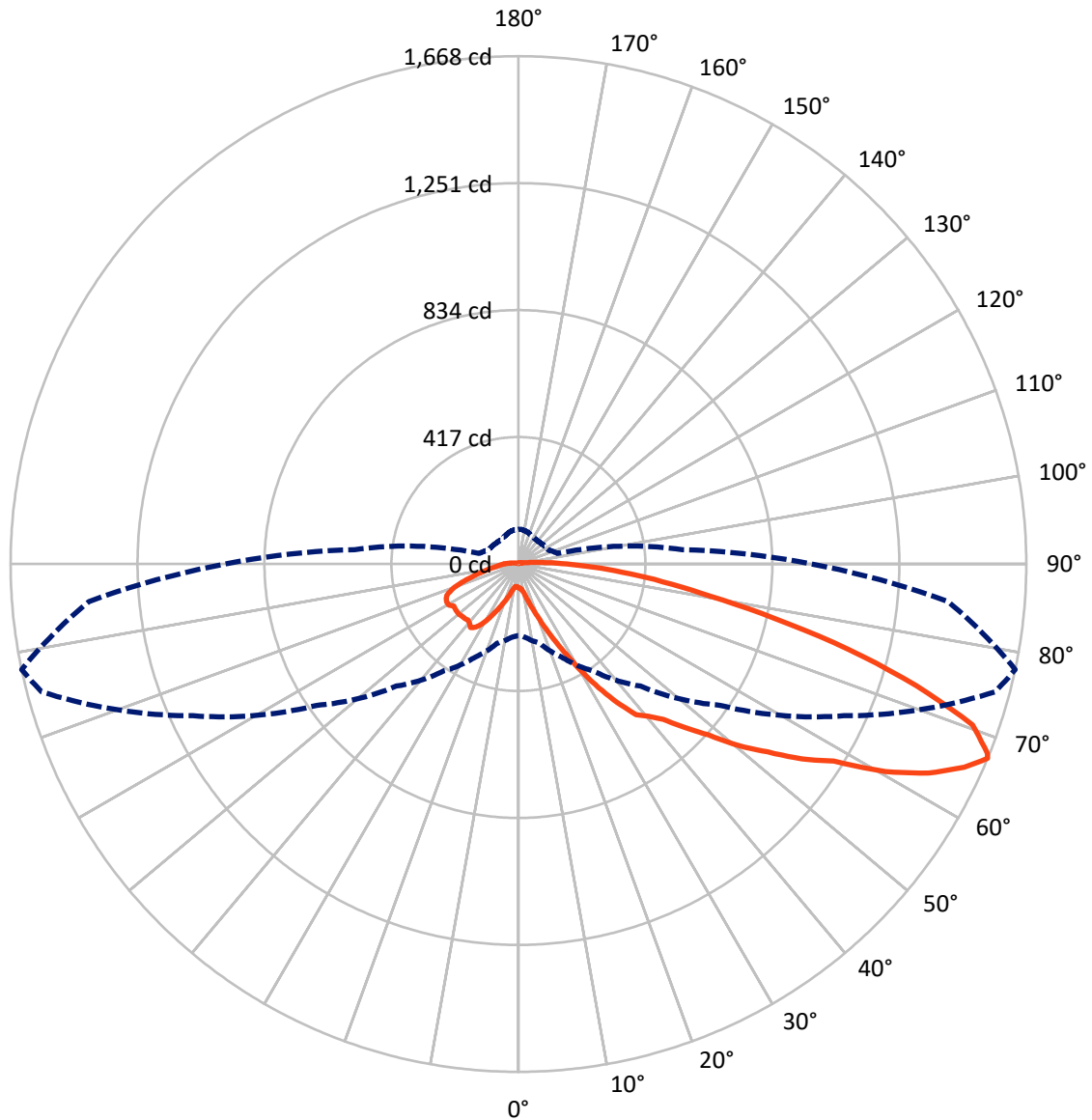
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	393.9	32.2	426.1
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	1668.6	34.3	1702.9
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	2062.5	66.5	2129.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.8	0.4
10°-20°	33.1	1.6
20°-30°	99.3	4.7
30°-40°	227.4	10.7
40°-50°	363.2	17.1
50°-60°	447.6	21.0
60°-70°	466.5	21.9
70°-80°	302.5	14.2
80°-90°	115.0	5.4
90°-100°	35.5	1.7
100°-110°	13.7	0.6
110°-120°	7.4	0.3
120°-130°	4.9	0.2
130°-140°	3.2	0.2
140°-150°	1.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2062.5	96.9
0°-180°	2129.0	100.0



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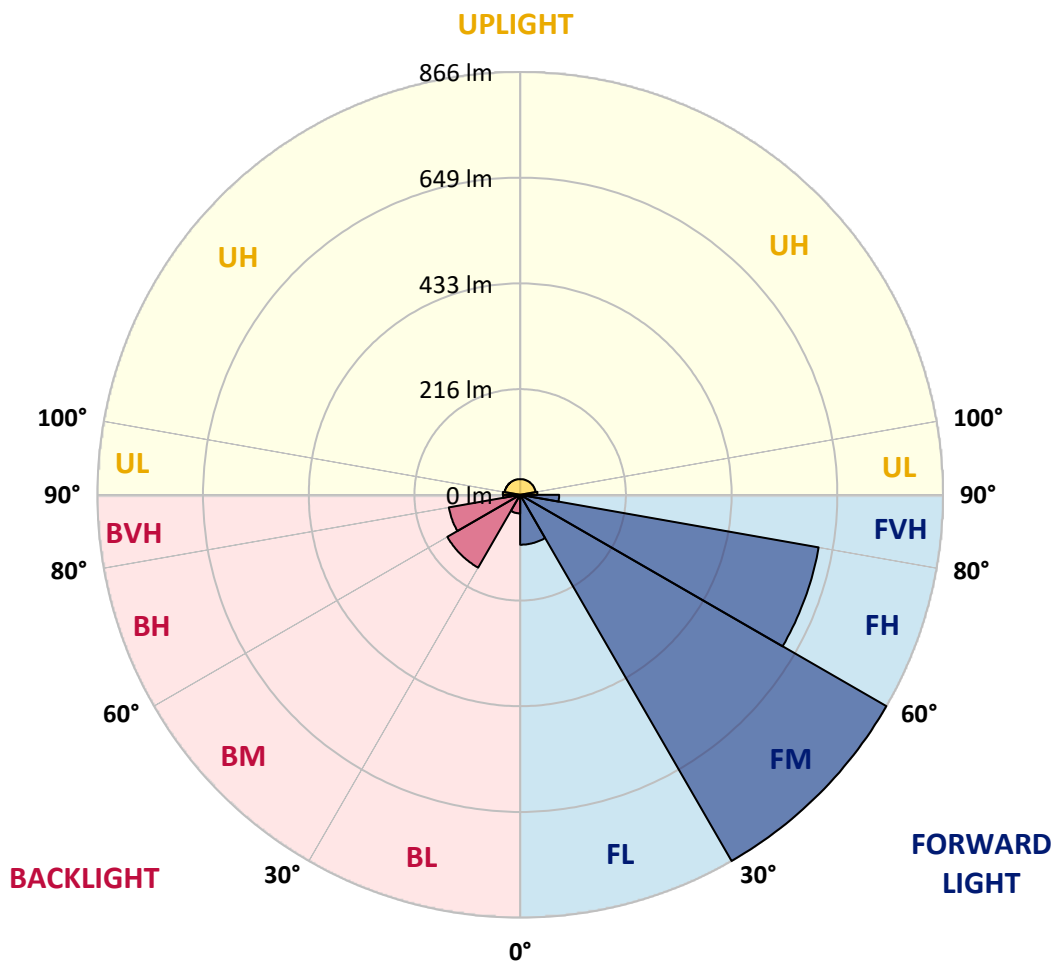
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.2	4.8			
FM (30°-60°)	866.0	40.7			
FH (60°-80°)	620.6	29.2			G0/660
FVH (80°-90°)	79.8	3.7			G1/100
BL (0°-30°)	38.0	1.8	B0/110		
BM (30°-60°)	172.2	8.1	B0/220		
BH (60°-80°)	148.4	7.0	B1/500		G1/500
BVH (80°-90°)	35.2	1.7			G1/100
UL (90°-100°)	35.5	1.7		U2/50	
UH (100°-180°)	32.2	1.5		U2/50	

**BUG Rating: B1-U2-G1**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2.5°	87.7	87.4	87.2	86.7	85.7	84.7	83.2	81.1	79.6	79.4	77.9
5°	98.8	98.0	98.0	96.8	94.8	92.7	89.7	86.2	83.4	81.9	79.6
7.5°	112.4	110.9	111.4	109.4	106.6	103.1	98.3	93.5	88.2	86.7	83.4
10°	128.8	127.8	126.8	124.2	121.0	115.4	110.9	103.8	96.8	94.8	89.7
12.5°	148.7	148.9	145.9	143.1	137.6	132.0	126.5	119.7	111.9	109.6	103.1
15°	176.7	176.4	173.1	166.8	160.0	154.0	149.4	142.1	134.6	132.0	122.2
17.5°	209.4	208.7	206.1	195.0	188.2	183.5	176.9	172.4	161.5	158.8	146.7
20°	257.3	252.8	247.0	232.1	222.0	216.0	210.7	204.9	193.3	188.5	174.1
22.5°	310.5	312.7	302.1	279.2	262.3	251.2	245.7	242.7	233.9	230.6	208.9
25°	376.5	376.5	359.9	334.7	312.7	292.1	290.8	294.3	282.5	280.2	257.3
27.5°	446.0	448.8	426.9	399.9	366.7	342.5	341.2	344.2	343.2	336.7	303.9
30°	525.4	522.9	498.2	465.4	421.3	392.9	389.3	411.3	413.0	408.5	372.7
32.5°	617.9	615.9	584.9	534.2	479.8	447.0	449.3	480.3	492.4	484.6	442.8
35°	730.3	732.8	684.2	612.9	541.0	503.2	505.8	544.6	567.2	557.7	510.5
37.5°	845.7	846.5	801.9	705.3	606.8	553.1	559.2	606.6	635.8	628.0	563.2
40°	918.8	926.3	883.5	791.8	676.1	603.0	608.1	654.9	672.1	657.5	581.4
42.5°	982.8	988.6	945.0	846.5	728.8	647.6	645.9	681.4	706.1	697.0	618.7
45°	1014.3	1025.6	986.3	884.5	765.8	682.4	668.8	722.0	776.9	765.6	679.1
47.5°	991.4	1005.2	988.6	904.4	782.5	704.3	707.4	780.4	851.5	838.9	745.2
50°	916.5	933.2	938.7	889.6	786.7	715.2	747.4	845.7	941.0	938.4	826.3
52.5°	826.3	835.1	859.3	844.7	770.9	727.8	790.8	909.0	1033.2	1025.4	893.6
55°	742.9	754.5	774.4	765.8	731.6	729.3	825.0	979.5	1131.2	1130.2	978.3
57.5°	628.0	644.1	685.9	690.7	680.6	720.0	850.0	1035.0	1217.9	1221.4	1063.2
60°	482.1	495.7	559.2	609.8	618.7	698.0	862.6	1095.9	1366.1	1384.5	1211.6
62.5°	390.8	393.4	441.5	504.8	564.7	658.0	864.6	1173.1	1495.6	1512.2	1300.6
65°	292.6	292.1	336.4	408.5	491.9	611.1	858.3	1197.2	1565.9	1608.5	1385.5
67°	235.1	240.7	269.1	337.7	428.9	567.2	809.4	1179.4	1621.1	1668.0	1416.5
67.5°	226.0	228.8	254.8	319.5	414.5	554.1	795.1	1174.8	1620.9	1660.7	1407.2
70°	180.4	184.2	203.1	246.0	331.6	468.2	694.0	1069.5	1524.8	1582.8	1321.7
72.5°	139.4	142.4	155.7	188.2	252.5	377.0	574.1	920.3	1320.5	1366.3	1120.6
75°	106.1	107.1	119.7	141.9	192.8	287.5	443.3	724.7	1085.9	1120.6	910.7
77.5°	82.2	84.4	94.0	108.9	143.1	216.5	333.6	564.5	863.9	858.6	692.5
80°	64.0	66.0	73.1	83.4	107.4	159.0	244.2	417.3	631.0	637.3	507.0
82.5°	51.4	52.9	57.7	65.3	82.7	121.0	178.4	312.0	479.8	477.5	371.7
85°	41.1	42.1	45.6	52.2	63.8	91.7	131.8	231.8	338.7	341.5	253.8
87.5°	32.0	33.3	37.3	41.3	50.4	69.8	97.3	160.8	225.3	227.6	174.4
90°	24.9	25.7	29.2	33.5	40.8	52.9	70.3	110.1	145.2	142.4	112.1
92.5°	18.4	19.2	22.4	26.5	31.8	40.8	50.7	70.6	84.9	86.7	70.1
95°	13.1	13.9	16.6	19.7	24.2	31.0	36.0	44.9	52.2	50.7	44.9
97.5°	10.1	10.3	12.3	14.6	18.4	23.9	26.7	31.0	34.3	33.5	31.2
100°	8.1	8.3	9.8	11.1	14.4	18.9	21.4	23.7	25.7	24.9	23.9
102.5°	6.8	7.1	8.1	9.1	11.8	15.9	17.4	18.9	19.7	19.7	19.2
105°	5.8	6.0	6.8	7.8	10.1	13.1	14.1	14.9	15.6	15.4	15.4
107.5°	5.3	5.3	6.0	6.8	8.8	11.1	11.6	11.8	12.1	12.1	12.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	4.8	5.0	5.5	6.0	7.8	9.8	9.8	9.6	9.6	9.6	10.3
112.5°	4.5	4.8	5.0	5.8	7.3	8.6	8.3	7.8	7.8	8.1	8.8
115°	4.5	4.5	4.8	5.5	6.8	7.8	7.3	6.6	6.6	6.8	7.6
117.5°	4.5	4.5	5.0	5.5	6.6	7.1	6.6	5.8	5.5	5.8	6.6
120°	4.8	4.8	5.0	5.5	6.0	6.6	6.0	5.3	5.0	5.3	6.0
122.5°	5.0	5.0	5.0	5.5	5.8	6.0	5.5	4.8	4.5	4.8	5.5
125°	5.3	5.3	5.3	5.5	5.8	5.5	5.0	4.5	4.5	4.5	5.3
127.5°	5.8	5.8	5.8	5.8	5.5	5.3	4.8	4.3	4.5	4.5	5.0
130°	6.3	6.3	6.0	5.8	5.5	5.0	4.5	4.0	4.3	4.5	5.0
132.5°	6.6	6.3	6.0	5.5	5.3	4.5	4.0	3.8	4.0	4.3	4.8
135°	6.0	6.0	5.5	5.0	4.8	4.0	3.5	3.5	3.8	4.0	4.3
137.5°	5.3	5.3	5.0	4.5	4.3	3.8	3.3	3.0	3.5	3.8	4.0
140°	4.5	4.5	4.3	3.8	3.5	3.3	2.8	2.5	3.0	3.3	3.5
142.5°	3.8	3.8	3.5	3.0	3.0	2.8	2.3	2.3	2.8	2.8	3.0
145°	3.0	3.0	3.0	2.5	2.5	2.3	1.8	2.0	2.3	2.5	2.5
147.5°	2.5	2.5	2.5	2.0	2.0	1.8	1.3	1.5	1.8	2.0	2.0
150°	2.0	2.0	2.0	1.8	1.5	1.3	1.0	1.3	1.3	1.5	1.5
152.5°	1.5	1.5	1.5	1.3	1.3	0.8	0.8	1.0	1.0	1.3	1.3
155°	1.0	1.0	1.3	1.0	0.8	0.5	0.8	0.8	1.0	1.0	1.0
157.5°	0.8	0.8	0.8	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
160°	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2.5°	77.1	76.6	75.3	74.1	72.8	71.8	70.6	70.3	70.3	69.8	69.8
5°	78.1	76.6	73.6	71.1	68.3	66.0	64.3	63.5	62.7	62.2	61.7
7.5°	80.4	77.9	72.8	68.8	64.8	61.2	58.7	57.5	56.7	55.9	56.2
10°	85.7	81.9	74.6	68.0	62.0	57.2	54.2	52.7	52.2	51.4	51.4
12.5°	97.0	92.0	81.4	70.3	61.0	54.4	50.9	50.4	50.9	51.7	51.7
15°	114.9	107.4	92.0	76.6	63.3	53.9	51.9	53.4	55.2	56.2	56.2
17.5°	136.8	126.5	104.6	83.9	66.5	58.5	55.9	58.0	60.2	61.7	61.7
20°	161.0	147.2	117.4	90.2	71.3	64.8	62.0	63.8	66.8	69.0	68.8
22.5°	192.5	172.4	132.3	95.8	77.1	70.6	68.8	71.1	75.6	78.6	78.9
25°	231.6	203.9	149.7	103.1	82.4	75.6	76.1	80.1	86.2	89.5	89.5
27.5°	273.2	238.1	164.6	110.4	87.9	80.9	83.4	89.0	95.5	99.3	99.8
30°	328.1	282.2	183.2	117.7	92.7	86.2	89.2	95.8	100.5	102.8	103.1
32.5°	384.0	324.1	198.1	125.2	97.3	90.0	92.7	99.0	103.3	105.8	105.6
35°	434.7	357.8	206.9	128.8	101.3	92.7	94.0	100.8	103.3	104.8	104.6
37.5°	473.5	382.0	210.2	129.5	102.8	94.0	94.5	100.3	103.8	106.6	106.1
40°	480.1	378.8	197.8	125.0	102.6	94.0	95.0	101.6	105.3	106.6	106.3
42.5°	504.2	387.8	187.2	116.9	99.5	93.7	96.0	102.1	103.8	103.1	102.3
45°	546.3	407.0	184.2	112.9	95.8	93.0	96.5	100.8	100.5	99.0	98.5
47.5°	587.9	425.4	177.7	111.1	94.8	92.7	96.3	99.3	100.0	98.5	98.0
50°	640.8	449.8	172.4	108.6	95.0	92.7	95.8	99.3	99.8	97.3	97.0
52.5°	688.2	466.7	164.6	106.3	95.3	93.5	95.8	99.3	99.5	97.0	96.5
55°	737.6	484.6	156.5	104.1	96.0	94.2	96.5	99.5	99.8	98.0	97.5
57.5°	787.0	500.2	147.4	102.3	96.8	95.8	97.0	99.8	101.8	101.3	101.3
60°	887.8	545.1	145.9	102.6	97.5	97.0	97.5	101.1	104.8	103.6	103.8
62.5°	927.6	554.6	143.1	105.8	99.8	98.0	98.3	102.1	106.1	107.9	107.6
65°	963.9	555.4	137.6	108.1	102.6	98.8	98.8	102.3	109.1	113.1	113.1
67°	961.9	540.3	133.6	108.4	103.8	99.5	98.5	102.3	109.4	113.9	114.2
67.5°	950.3	530.5	132.0	108.4	104.1	99.5	98.3	102.1	109.4	114.2	114.2
70°	880.5	478.8	122.2	105.6	103.3	98.3	96.8	99.5	107.9	114.4	114.4
72.5°	729.3	394.1	108.4	98.8	98.5	95.0	92.7	95.8	103.8	110.6	110.4
75°	589.4	315.0	94.5	88.7	91.2	88.7	86.9	89.2	97.0	103.8	103.3
77.5°	440.5	236.6	81.6	79.1	82.7	80.9	79.4	81.6	89.2	95.8	94.8
80°	325.6	182.4	71.1	70.1	72.6	72.1	71.6	72.6	79.1	83.4	82.7
82.5°	239.7	138.9	61.2	60.5	63.5	63.5	63.5	64.3	69.0	70.6	69.8
85°	170.4	104.6	53.9	51.9	54.4	55.7	56.4	56.7	59.2	59.5	57.7
87.5°	120.0	82.4	48.4	44.1	45.4	48.1	49.4	49.1	50.1	49.4	47.6
90°	83.7	64.8	43.8	37.5	37.5	40.3	42.3	42.1	42.3	40.3	38.6
92.5°	59.0	48.9	37.0	31.0	30.5	33.3	35.0	34.8	34.8	32.8	31.0
95°	39.6	36.0	29.5	24.9	24.2	26.5	28.2	27.7	27.7	25.7	24.9
97.5°	29.2	27.5	24.2	21.2	19.7	20.9	22.2	22.2	22.4	21.2	20.4
100°	22.9	22.2	20.7	18.1	16.6	16.9	17.6	17.6	18.6	17.6	17.1
102.5°	19.2	18.6	17.4	15.6	14.4	14.1	14.6	14.9	16.1	15.4	15.1
105°	15.9	15.6	14.9	13.4	12.3	12.3	12.3	12.6	13.9	13.4	13.4
107.5°	12.9	12.9	12.9	11.6	10.8	10.8	10.6	10.8	11.8	11.8	11.8



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CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	10.8	10.8	11.1	10.1	9.6	9.6	9.3	9.6	10.6	10.8	10.8
112.5°	9.3	9.3	9.6	9.1	8.6	8.6	8.3	8.3	9.3	10.1	10.1
115°	8.1	8.3	8.3	8.1	7.8	7.6	7.3	7.6	8.6	9.3	9.3
117.5°	7.1	7.3	7.6	7.3	7.1	6.8	6.6	6.8	7.8	8.8	8.8
120°	6.3	6.6	6.8	6.8	6.6	6.3	5.8	6.3	7.1	8.1	8.3
122.5°	5.8	6.0	6.0	6.0	6.0	5.5	5.3	5.5	6.3	7.3	7.6
125°	5.5	5.5	5.8	5.8	5.5	5.0	4.8	5.0	5.5	6.3	6.6
127.5°	5.3	5.3	5.5	5.5	5.0	4.5	4.3	4.5	5.0	5.5	5.5
130°	5.3	5.3	5.3	5.0	4.8	4.3	3.8	4.0	4.5	5.0	5.0
132.5°	5.0	4.8	4.8	4.8	4.3	3.8	3.5	3.5	4.0	4.5	4.5
135°	4.5	4.5	4.3	4.3	4.0	3.3	3.0	3.0	3.5	4.0	4.0
137.5°	4.0	4.0	3.8	3.8	3.5	3.0	2.5	2.8	3.3	3.3	3.5
140°	3.5	3.5	3.3	3.3	3.0	2.5	2.0	2.3	2.8	2.8	3.0
142.5°	3.0	3.0	3.0	2.8	2.5	2.0	1.8	2.0	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.3	2.0	1.5	1.3	1.8	2.3	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	1.5	1.3	1.0	1.5	1.8	1.8	1.8
150°	1.5	1.5	1.5	1.5	1.3	0.8	0.8	1.3	1.5	1.5	1.5
152.5°	1.3	1.3	1.3	1.5	1.3	0.5	0.5	1.0	1.3	1.3	1.3
155°	1.0	1.0	1.3	1.3	1.0	0.5	0.3	0.8	1.0	1.0	1.0
157.5°	0.8	0.8	1.0	1.0	0.8	0.5	0.3	0.5	1.0	0.8	0.8
160°	0.5	0.8	0.8	0.8	0.8	0.5	0.0	0.5	0.8	0.5	0.5
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)