

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: P414310

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T2R-FL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414310  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)  
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-T2R-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2484 lumens  
Efficiency: N/A  
Efficacy: 118.3 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G2

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

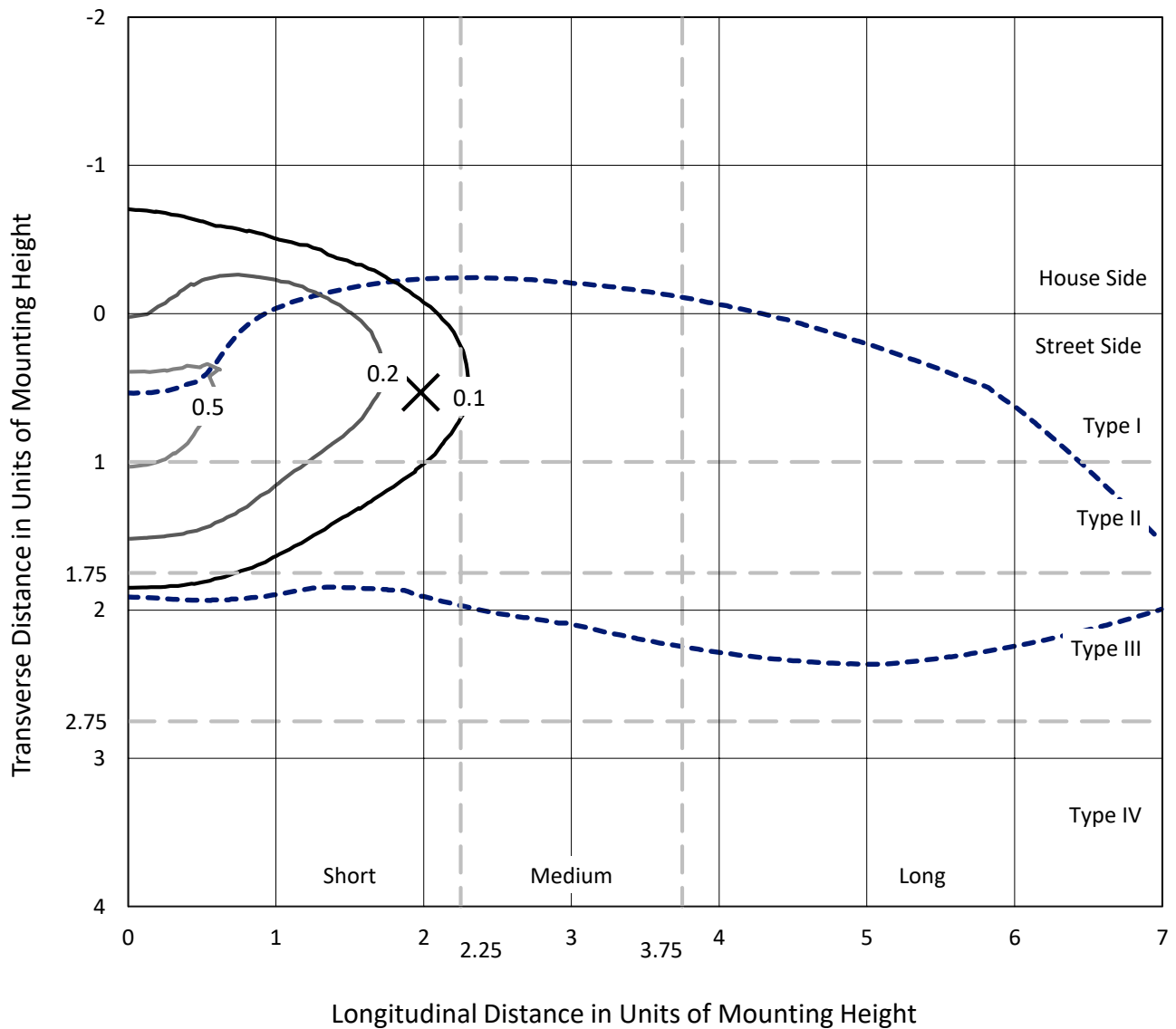


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

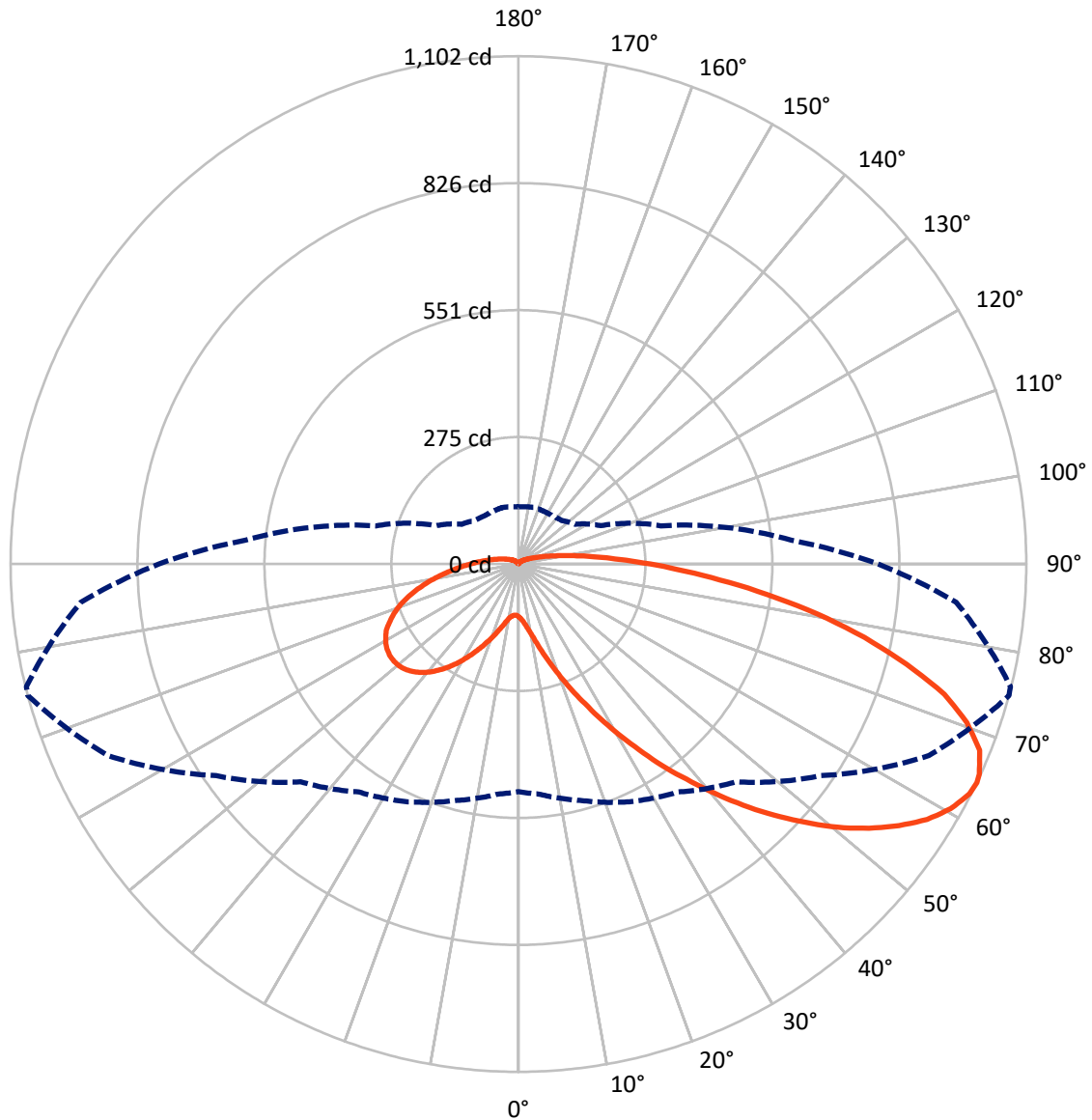


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	547.9	72.1	620.0
	% Fixture	22.1	2.9	25.0
<b>Street Side</b>	Lumens	1754.2	109.8	1864.0
	% Fixture	70.6	4.4	75.0
<b>Total</b>	Lumens	2302.1	181.9	2484.0
	% Fixture	92.7	7.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.1	0.5
10°-20°	50.1	2.0
20°-30°	126.8	5.1
30°-40°	248.4	10.0
40°-50°	386.4	15.6
50°-60°	473.9	19.1
60°-70°	460.7	18.5
70°-80°	347.4	14.0
80°-90°	196.2	7.9
90°-100°	92.5	3.7
100°-110°	44.7	1.8
110°-120°	23.5	0.9
120°-130°	12.6	0.5
130°-140°	6.2	0.2
140°-150°	2.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2302.1	92.7
0°-180°	2484.0	100.0



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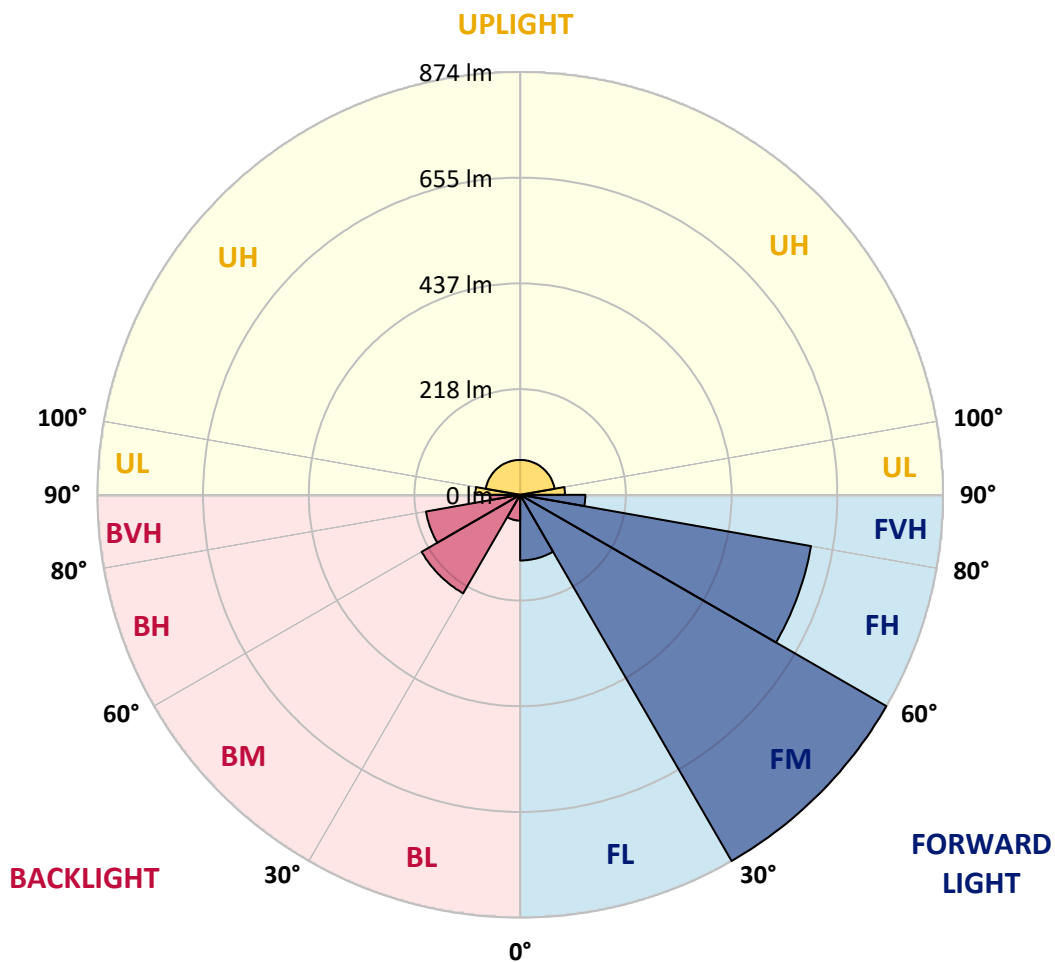
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	135.7	5.5			
FM	(30°-60°)	873.6	35.2			
FH	(60°-80°)	610.3	24.6			G0/660
FVH	(80°-90°)	134.6	5.4			G2/225
BL	(0°-30°)	53.3	2.1	B0/110		
BM	(30°-60°)	235.1	9.5	B1/1000		
BH	(60°-80°)	197.8	8.0	B1/500		G1/500
BVH	(80°-90°)	61.6	2.5			G1/100
UL	(90°-100°)	92.5	3.7		U3/500	
UH	(100°-180°)	72.1	2.9		U3/500	

**BUG Rating: B1-U3-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5
2.5°	133.5	132.3	131.7	131.4	129.3	127.2	124.8	122.4	119.7	119.0	116.6
5°	154.3	152.8	152.2	150.4	147.4	143.8	138.6	133.8	127.8	128.1	122.7
7.5°	178.1	176.9	175.1	172.4	167.9	163.1	155.5	148.3	140.1	139.2	131.4
10°	205.2	204.3	202.5	198.3	192.6	184.5	176.9	166.1	154.6	154.0	142.6
12.5°	237.8	236.6	231.5	227.2	219.7	212.2	200.7	187.8	175.4	173.9	159.7
15°	274.6	272.8	269.1	262.5	254.4	242.0	230.0	217.0	200.7	198.0	181.4
17.5°	312.2	312.2	307.7	299.9	288.7	277.9	264.6	248.3	227.9	227.5	205.5
20°	359.6	359.0	352.0	340.6	329.4	318.0	302.0	283.6	260.7	258.6	231.8
22.5°	410.8	410.2	401.8	389.4	374.9	358.7	340.9	321.6	296.6	293.9	262.5
25°	466.2	465.9	457.2	438.2	419.8	404.5	386.1	364.7	335.7	335.1	297.5
27.5°	533.8	530.4	516.9	493.7	470.5	450.6	429.2	409.9	381.0	376.4	334.5
30°	598.9	597.1	578.7	553.7	521.7	495.5	473.8	459.0	429.2	425.0	377.9
32.5°	666.1	664.9	642.6	613.6	574.1	541.6	524.7	508.7	480.1	478.3	420.7
35°	740.5	735.7	710.1	670.3	624.5	588.0	572.9	565.7	537.4	530.7	467.8
37.5°	801.4	797.8	774.6	726.0	672.1	632.9	621.5	616.6	592.2	589.5	518.7
40°	860.2	857.5	829.1	776.7	715.2	676.0	664.6	672.7	653.1	648.9	569.9
42.5°	902.7	899.0	872.8	817.1	752.6	711.3	711.0	729.7	715.5	711.0	623.0
45°	928.0	924.4	902.7	849.0	781.8	742.0	749.0	781.8	777.6	772.2	671.5
47.5°	930.4	928.3	912.6	862.9	799.6	766.1	786.0	833.0	837.6	832.4	723.3
50°	908.4	910.5	900.6	861.1	805.9	781.8	816.2	881.6	898.1	892.1	774.9
52.5°	866.8	864.4	868.6	840.6	799.3	787.2	836.7	922.3	952.7	946.7	822.5
55°	797.5	799.3	814.1	803.5	778.5	780.9	849.0	954.5	1002.1	997.3	865.6
57.5°	724.5	720.3	746.8	748.7	741.7	764.0	850.5	978.9	1045.8	1040.7	902.7
60°	629.0	639.2	663.1	683.6	695.6	736.0	840.6	991.6	1077.8	1076.3	932.5
62.5°	546.4	548.5	580.8	611.8	640.8	696.5	818.6	991.3	1098.6	1096.8	950.3
64°	494.0	500.9	531.3	569.0	603.7	668.2	800.5	982.8	1101.9	1100.4	953.3
65°	465.3	464.4	500.9	538.9	576.3	646.8	782.1	973.8	1098.9	1098.9	952.1
67.5°	386.7	389.7	421.6	465.3	511.5	590.1	735.1	941.5	1079.0	1081.1	934.6
70°	318.9	323.4	358.4	397.2	448.2	533.2	676.9	883.4	1032.3	1035.3	896.9
72.5°	263.1	268.2	293.9	333.0	389.4	473.2	611.2	810.4	966.3	967.5	833.9
75°	214.0	219.7	245.6	279.7	328.5	408.7	539.5	731.2	870.1	876.1	752.6
77.5°	174.2	180.2	204.0	234.8	281.2	349.6	468.4	639.5	767.9	771.6	659.4
80°	140.7	147.1	168.2	197.1	237.5	297.8	401.8	545.8	657.6	657.6	563.6
82.5°	114.2	119.7	138.6	163.7	200.4	251.4	337.6	453.6	543.7	544.0	465.6
85°	92.2	95.5	114.2	136.2	166.7	210.7	279.1	369.2	438.5	432.2	375.2
87.5°	74.1	77.2	92.8	114.2	138.3	175.7	229.1	300.5	344.8	346.9	299.6
90°	59.7	61.5	76.0	94.0	116.3	145.3	186.3	239.0	271.3	268.5	234.8
92.5°	48.5	50.6	63.0	79.3	98.0	122.1	153.4	189.3	210.1	210.7	183.5
95°	39.8	41.0	52.4	66.9	83.8	102.2	125.1	150.7	164.9	163.1	142.9
97.5°	33.2	33.8	44.3	57.3	71.1	86.2	104.3	120.0	127.8	126.6	111.8
100°	28.0	28.6	37.7	49.7	61.5	73.5	86.2	96.7	99.5	98.0	88.0
102.5°	24.4	24.7	32.2	43.1	53.0	63.0	71.7	78.4	78.1	78.1	69.6
105°	21.4	21.7	28.0	37.7	46.7	54.6	60.6	63.9	62.7	62.1	55.8
107.5°	19.3	19.6	24.7	33.2	41.3	47.3	51.8	52.7	50.3	49.7	45.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	17.5	17.5	21.7	29.2	36.5	41.3	44.3	44.3	40.7	40.4	37.4
112.5°	16.0	16.3	19.6	25.9	32.2	36.5	38.3	36.8	33.5	33.2	31.6
115°	14.8	15.1	17.5	23.2	28.6	32.2	33.2	31.0	27.7	27.4	26.2
117.5°	13.9	14.2	16.0	20.5	25.6	28.3	28.6	26.5	23.2	22.9	22.6
120°	13.3	13.3	14.8	18.4	22.6	25.0	24.7	22.6	19.9	19.6	19.6
122.5°	12.7	12.7	13.6	16.3	19.9	22.0	21.7	19.3	16.9	16.9	16.9
125°	12.1	12.1	12.7	14.8	17.8	19.3	18.7	16.6	14.5	14.5	15.1
127.5°	11.5	11.5	11.8	13.0	15.7	16.6	16.0	13.9	12.7	12.7	13.0
130°	10.9	10.9	10.9	11.8	13.6	14.2	13.6	11.8	10.9	10.9	11.5
132.5°	10.2	10.2	10.2	10.2	11.5	12.1	11.2	9.6	9.3	9.6	9.9
135°	9.6	9.6	9.3	9.0	9.6	9.9	9.0	8.1	8.1	8.1	8.7
137.5°	9.0	8.7	8.4	8.1	7.8	7.8	7.2	6.3	6.9	6.9	7.5
140°	8.1	7.8	7.5	6.9	6.3	6.0	5.4	5.1	5.7	5.7	6.0
142.5°	7.2	6.9	6.6	5.7	4.8	4.2	3.6	3.9	4.5	4.5	4.8
145°	6.0	6.0	5.4	4.5	3.6	3.0	2.4	2.7	3.3	3.3	3.6
147.5°	5.1	4.8	4.5	3.6	2.4	1.8	1.2	1.8	2.4	2.4	2.7
150°	3.9	3.6	3.3	2.4	1.5	0.6	0.6	1.2	1.5	1.5	1.8
152.5°	2.7	2.7	2.4	1.5	0.6	0.0	0.3	0.6	0.9	0.9	1.2
155°	1.8	1.5	1.2	0.9	0.3	0.0	0.0	0.3	0.6	0.6	0.6
157.5°	0.9	0.9	0.6	0.6	0.0	0.0	0.0	0.0	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5	114.5
2.5°	115.1	113.9	111.2	108.8	106.4	104.3	103.1	101.6	101.3	101.0	101.0
5°	119.4	116.6	111.2	106.1	101.3	97.3	94.3	91.3	89.8	89.2	88.9
7.5°	126.6	122.4	113.6	105.8	98.6	92.5	87.7	84.1	82.0	80.8	80.5
10°	136.5	130.5	118.4	107.6	98.0	90.1	84.1	79.9	77.2	76.0	75.6
12.5°	152.2	142.6	127.5	112.1	99.5	89.8	82.9	78.4	77.2	76.0	76.0
15°	170.0	160.3	139.5	120.6	104.3	91.6	85.6	82.6	80.8	79.9	79.6
17.5°	192.9	178.1	153.1	129.6	110.3	98.3	90.4	87.1	85.3	84.4	84.1
20°	216.4	198.9	168.2	139.5	118.4	106.1	96.7	91.6	89.8	88.9	88.6
22.5°	244.4	223.3	183.8	150.1	127.8	113.3	102.8	96.7	94.6	93.7	94.0
25°	273.1	250.5	200.7	161.2	136.5	119.4	108.5	101.6	100.1	98.9	98.9
27.5°	308.0	277.9	217.9	173.9	144.1	124.8	113.6	106.7	104.0	104.0	103.7
30°	344.8	307.1	236.6	184.8	150.7	129.6	117.5	111.2	108.5	108.2	108.2
32.5°	380.7	338.5	255.0	195.6	155.8	132.9	121.2	115.1	111.8	111.5	111.8
35°	422.5	370.4	272.2	204.3	160.3	135.6	123.9	118.4	114.8	114.5	114.5
37.5°	462.3	403.3	288.7	211.3	163.4	137.4	126.0	121.2	117.2	116.9	116.6
40°	503.9	434.3	303.8	217.0	164.9	138.6	127.2	123.0	119.4	118.1	118.1
42.5°	546.1	465.6	316.5	220.3	165.8	138.9	128.1	124.2	120.9	118.7	118.7
45°	585.6	492.5	327.0	222.1	165.8	139.2	128.7	125.1	122.1	119.4	119.0
47.5°	629.0	519.6	335.1	222.4	164.9	138.6	129.0	126.0	122.7	119.7	119.4
50°	667.0	545.2	340.3	221.5	163.7	138.3	129.3	126.3	123.6	120.0	120.0
52.5°	700.4	565.7	342.7	219.1	162.1	137.7	129.3	126.9	124.5	120.6	120.3
55°	730.0	581.7	342.4	215.5	159.7	136.8	129.0	126.9	125.1	120.9	120.9
57.5°	755.3	592.8	339.7	211.3	157.3	136.2	129.0	127.2	125.7	121.8	121.8
60°	772.5	599.2	334.2	206.2	154.9	135.0	128.7	127.5	126.6	122.7	123.0
62.5°	780.6	598.3	325.8	200.7	152.2	133.8	128.1	127.2	126.9	123.9	123.9
64°	780.0	594.0	320.1	196.8	150.4	133.2	127.8	126.9	127.2	124.5	124.5
65°	776.1	588.0	314.0	193.8	148.9	132.6	127.2	126.6	127.2	124.5	124.5
67.5°	757.1	569.3	298.7	186.3	145.0	129.9	125.4	125.1	126.0	124.2	123.9
70°	719.4	539.8	282.1	176.6	140.1	126.9	122.7	122.4	123.6	122.1	121.5
72.5°	668.2	498.8	261.9	166.7	134.4	122.7	119.0	118.7	119.4	118.4	117.5
75°	603.7	450.6	239.3	155.5	128.1	117.2	113.9	113.3	114.2	113.0	112.4
77.5°	532.0	397.2	215.5	143.8	120.0	111.2	107.9	107.0	107.0	105.5	104.0
80°	453.0	342.7	191.7	131.7	111.5	103.7	101.0	99.8	98.9	96.4	94.9
82.5°	378.2	291.4	167.3	119.4	102.5	95.5	92.8	91.3	89.2	86.2	84.1
85°	307.7	242.6	145.0	106.1	93.4	86.8	84.7	82.0	79.3	76.0	73.2
87.5°	247.1	198.6	125.1	94.3	83.2	78.1	75.6	72.0	69.3	65.7	63.3
90°	196.2	162.8	107.0	82.9	74.1	69.6	67.5	63.9	60.0	56.1	53.9
92.5°	158.2	132.6	92.2	73.2	66.3	62.4	59.7	56.1	51.5	47.6	46.1
95°	125.7	107.3	78.7	64.8	58.8	55.2	52.4	49.1	44.3	39.8	38.6
97.5°	99.5	88.3	67.2	57.0	52.1	49.1	46.1	43.1	38.3	33.8	33.2
100°	79.9	71.7	57.6	50.3	46.1	43.4	41.0	37.7	33.2	28.3	28.3
102.5°	64.5	59.4	49.4	44.3	41.0	38.6	36.2	33.2	28.6	24.4	24.1
105°	52.7	49.1	42.5	39.2	36.5	34.7	32.2	28.9	24.7	20.8	20.5
107.5°	44.0	40.7	36.8	34.7	32.6	30.7	28.9	25.6	21.4	18.1	18.1



REPORT NUMBER: P414310

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T2R-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	36.2	35.0	31.9	30.4	29.2	27.4	25.6	22.3	18.4	16.0	16.0
112.5°	30.7	29.5	28.0	27.1	25.9	24.7	22.6	19.6	16.0	14.2	14.2
115°	25.9	25.3	24.4	23.8	23.2	22.0	19.9	16.9	13.6	12.4	12.7
117.5°	22.6	22.3	21.7	21.4	20.8	19.3	17.5	14.8	11.8	11.2	11.2
120°	19.6	19.6	19.0	19.0	18.4	17.2	15.1	12.7	10.2	9.9	9.9
122.5°	17.2	17.2	16.9	16.9	16.3	15.1	13.3	10.9	8.7	8.7	9.0
125°	15.1	15.1	14.8	14.8	14.5	13.3	11.5	9.3	7.8	7.8	7.8
127.5°	13.3	13.3	13.3	13.0	12.4	11.5	9.6	7.8	6.9	6.9	6.9
130°	11.8	11.8	11.5	11.5	10.9	9.6	8.1	6.6	5.7	6.3	6.3
132.5°	10.2	10.2	10.2	9.6	9.0	8.1	6.6	5.4	5.1	5.4	5.4
135°	8.7	9.0	8.7	8.4	7.8	6.6	5.4	4.5	4.5	4.8	4.8
137.5°	7.5	7.5	7.5	6.9	6.3	5.4	4.2	3.6	3.9	4.2	4.2
140°	6.3	6.3	6.0	5.7	5.1	4.2	3.3	2.7	3.3	3.6	3.6
142.5°	5.1	5.1	4.8	4.5	3.6	3.0	2.1	2.1	2.7	3.0	3.0
145°	3.9	3.9	3.6	3.3	2.7	1.8	1.5	1.8	2.4	2.4	2.4
147.5°	2.7	2.7	2.7	2.1	1.5	0.9	0.6	1.2	1.8	1.8	2.1
150°	1.8	1.8	1.8	1.5	0.9	0.3	0.3	0.9	1.2	1.5	1.5
152.5°	1.2	1.2	1.2	0.9	0.6	0.0	0.0	0.6	0.9	0.9	0.9
155°	0.6	0.6	0.6	0.6	0.3	0.0	0.0	0.3	0.6	0.6	0.6
157.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.3	0.6	0.3	0.3
160°	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.3	0.3	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

(END OF REPORT)