

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: P413742

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2R-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413742  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-727-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7709 lumens  
Efficiency: N/A  
Efficacy: 80.3 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: B2 - U3 - G3

Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

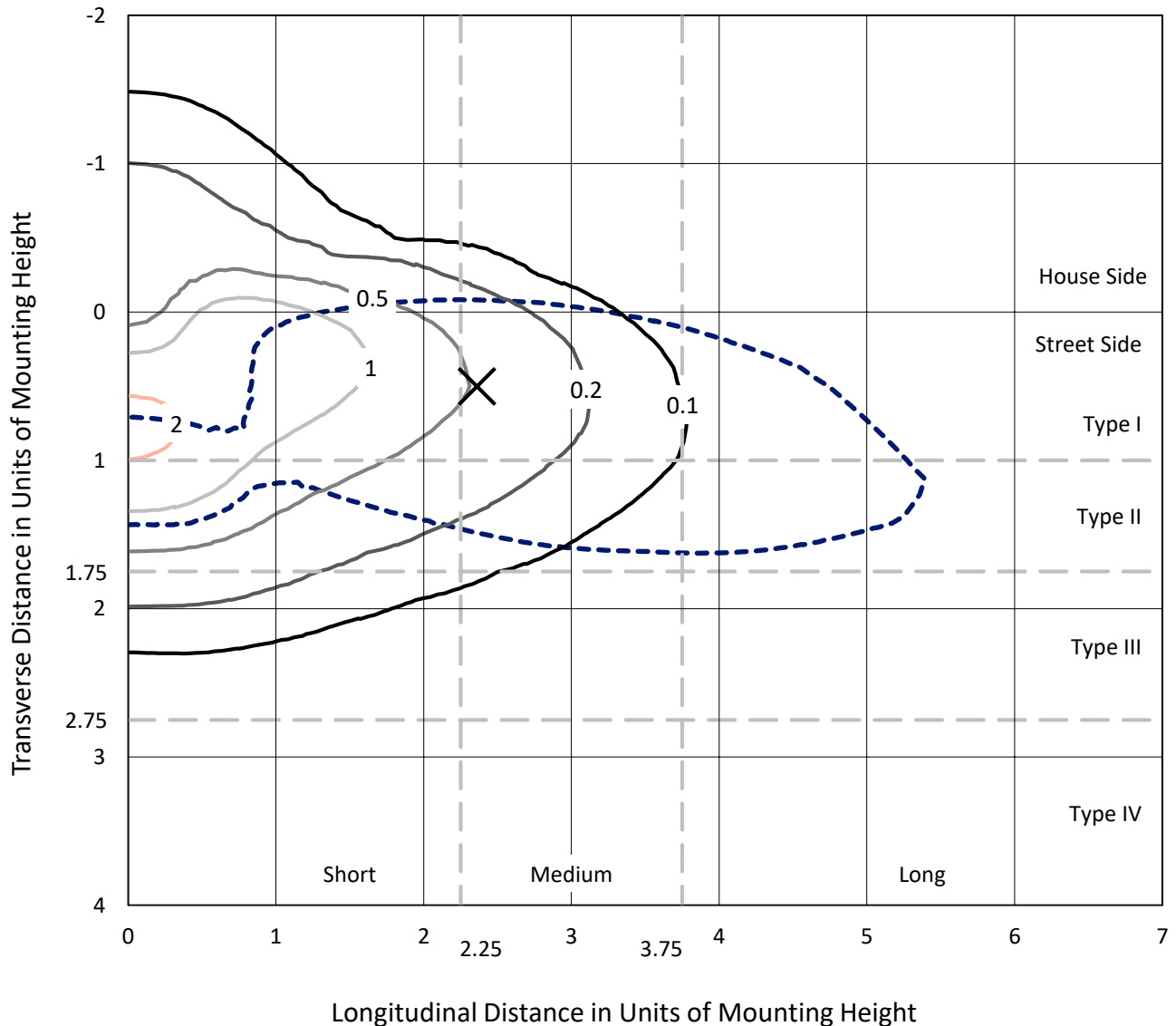


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### Iso-Footcandle Lines of Horizontal Illumination

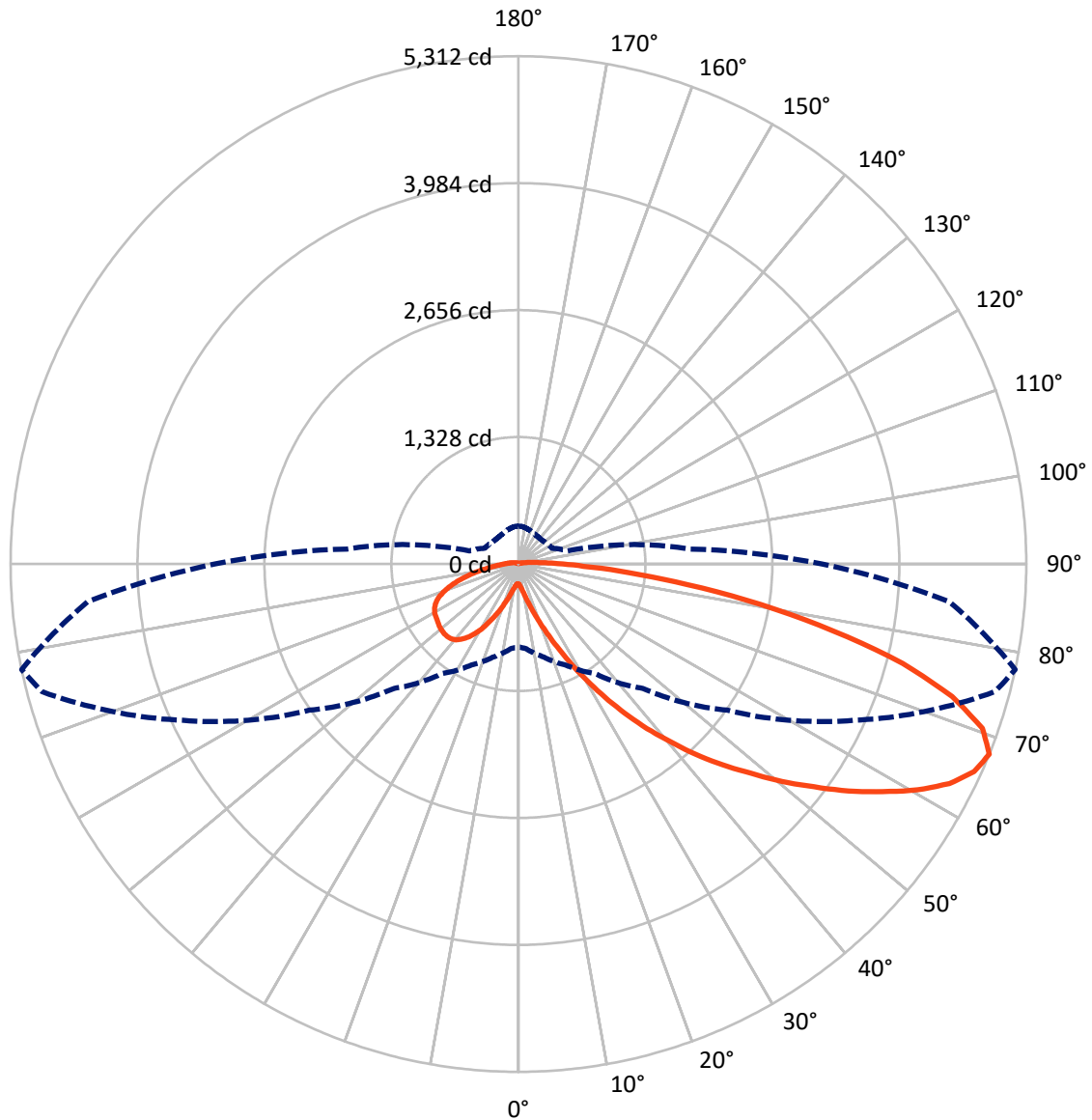
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1464.8	118.9	1583.7
	% Fixture	19.0	1.5	20.5
<b>Street Side</b>	Lumens	6004.7	120.5	6125.3
	% Fixture	77.9	1.6	79.5
<b>Total</b>	Lumens	7469.5	239.5	7709.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	23.9	0.3
10°-20°	119.7	1.6
20°-30°	364.9	4.7
30°-40°	816.4	10.6
40°-50°	1345.2	17.5
50°-60°	1655.7	21.5
60°-70°	1605.8	20.8
70°-80°	1112.1	14.4
80°-90°	425.7	5.5
90°-100°	122.2	1.6
100°-110°	53.0	0.7
110°-120°	28.6	0.4
120°-130°	17.7	0.2
130°-140°	11.0	0.1
140°-150°	5.3	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7469.5	96.9
0°-180°	7709.0	100.0

**Coefficient of Utilization**



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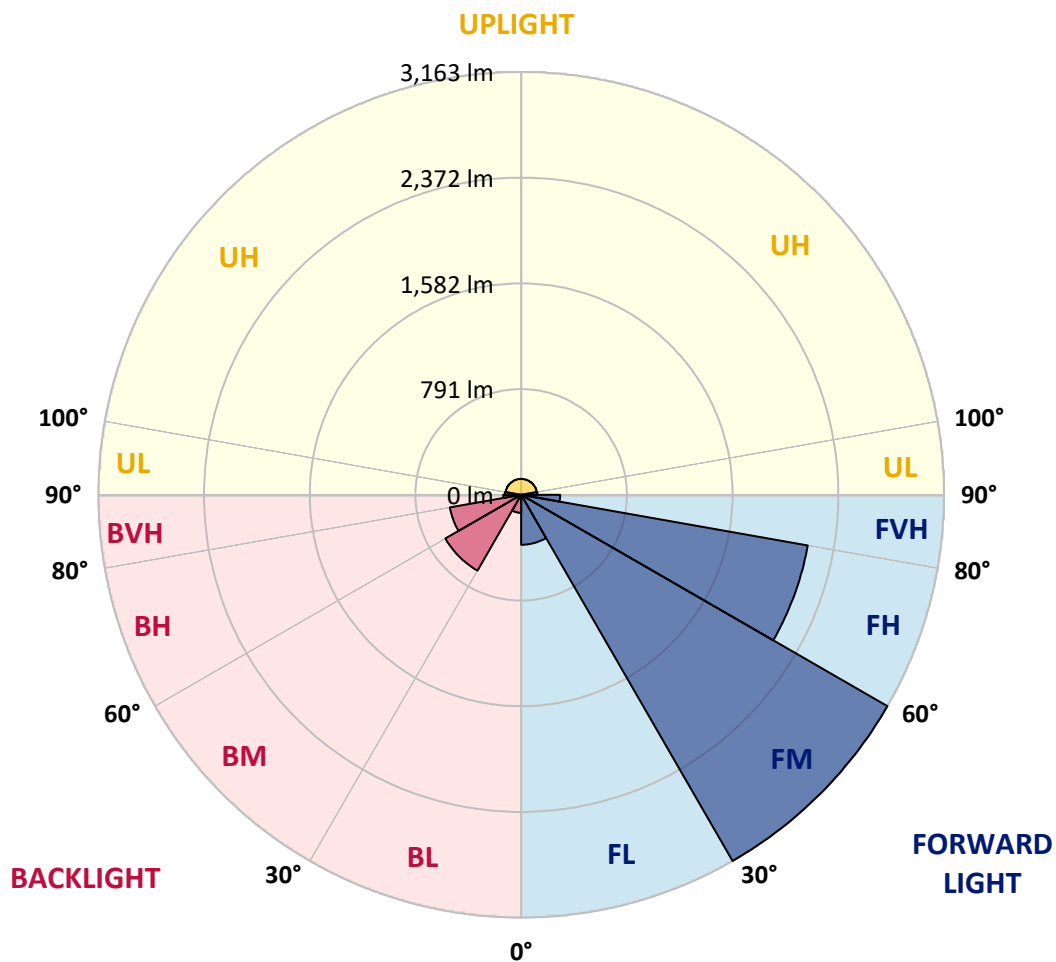
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.7	4.8			
FM	(30°-60°)	3163.0	41.0			
FH	(60°-80°)	2176.7	28.2			G2/5000
FVH	(80°-90°)	291.4	3.8			G3/500
BL	(0°-30°)	134.9	1.7	B1/500		
BM	(30°-60°)	654.3	8.5	B1/1000		
BH	(60°-80°)	541.2	7.0	B2/1000		G2/1000
BVH	(80°-90°)	134.4	1.7			G2/225
UL	(90°-100°)	122.2	1.6		U3/500	
UH	(100°-180°)	118.9	1.5		U3/500	

**BUG Rating: B2-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
2.5°	250.2	248.3	248.3	247.4	243.8	240.1	234.6	228.3	222.8	219.1	215.5
5°	304.0	297.6	299.5	294.0	287.6	280.3	270.3	256.6	243.8	241.0	231.0
7.5°	368.9	360.6	363.4	357.0	345.1	329.6	315.9	295.8	276.6	270.3	255.6
10°	451.0	442.8	438.3	429.1	415.4	395.3	374.3	347.9	321.4	312.3	294.0
12.5°	548.7	542.3	535.9	523.2	501.2	475.7	449.2	420.0	385.3	373.4	345.1
15°	670.2	664.7	651.0	633.6	601.7	573.4	533.2	506.7	463.8	449.2	414.5
17.5°	806.2	795.2	781.5	756.0	719.5	683.9	650.1	605.3	558.8	546.9	504.0
20°	974.2	970.5	944.1	901.2	861.0	812.6	779.7	735.9	683.9	667.4	610.8
22.5°	1173.2	1165.9	1134.9	1070.1	1009.8	947.7	921.2	875.6	838.2	815.3	741.4
25°	1412.4	1398.8	1347.6	1270.0	1184.2	1110.2	1066.4	1050.0	1020.8	986.1	895.7
27.5°	1667.2	1668.1	1597.8	1482.7	1363.1	1274.6	1240.8	1247.2	1211.6	1192.4	1081.9
30°	1982.2	1959.3	1867.1	1725.6	1564.0	1449.9	1429.8	1461.7	1451.7	1414.3	1283.7
32.5°	2297.2	2288.9	2174.8	1981.3	1769.4	1644.4	1629.7	1699.1	1696.4	1659.0	1492.8
35°	2611.2	2602.1	2460.6	2235.1	1984.0	1840.7	1827.9	1919.2	1952.0	1914.6	1728.4
37.5°	2927.2	2906.2	2763.7	2489.8	2187.6	2020.5	2026.0	2141.0	2217.7	2184.0	1955.7
40°	3205.6	3202.0	3035.8	2724.5	2383.9	2203.1	2239.6	2391.2	2485.2	2438.7	2186.7
42.5°	3419.3	3403.7	3256.8	2918.9	2560.1	2373.9	2436.9	2637.7	2758.2	2726.3	2414.0
45°	3517.9	3508.7	3391.0	3065.9	2697.1	2521.8	2621.3	2866.0	3030.3	2995.6	2647.8
47.5°	3491.4	3483.2	3419.3	3138.1	2787.5	2648.7	2783.8	3087.8	3316.1	3269.5	2880.6
50°	3332.5	3340.7	3320.7	3117.1	2819.4	2729.9	2938.1	3309.7	3595.5	3573.6	3105.2
52.5°	3042.2	3065.9	3097.9	3007.5	2790.2	2766.5	3049.5	3502.4	3873.0	3872.1	3354.4
55°	2665.1	2681.5	2792.9	2776.5	2678.8	2765.5	3131.7	3692.3	4185.3	4189.9	3611.9
57.5°	2265.2	2257.0	2404.9	2490.7	2516.3	2695.2	3171.8	3860.3	4461.0	4493.0	3884.0
60°	1827.9	1858.0	1996.8	2172.1	2267.9	2556.5	3158.1	3979.0	4726.7	4797.0	4131.4
62.5°	1485.5	1471.8	1624.3	1815.1	2009.6	2357.4	3058.6	4034.6	4979.6	5058.1	4359.7
65°	1122.1	1150.4	1288.3	1457.2	1688.2	2106.3	2897.9	4005.4	5135.8	5236.2	4503.0
67.5°	865.5	887.5	1005.2	1164.1	1399.7	1839.7	2666.0	3869.4	5159.5	5312.0	4523.1
70°	669.2	686.6	769.7	904.8	1129.4	1545.7	2340.1	3610.1	5029.8	5148.5	4338.7
72.5°	533.2	540.5	598.9	708.5	892.0	1260.9	1985.8	3202.9	4638.2	4744.1	3960.7
75°	419.1	430.0	477.5	559.7	696.6	1008.0	1623.4	2706.2	4042.0	4151.5	3439.4
77.5°	333.3	344.2	379.8	437.3	540.5	777.0	1268.2	2204.9	3299.7	3367.2	2740.0
80°	264.8	270.3	300.4	343.3	420.0	598.9	955.0	1673.6	2498.9	2569.2	2036.0
82.5°	200.9	205.4	235.6	273.0	327.8	453.8	690.2	1176.9	1760.3	1779.5	1382.3
85°	144.3	152.5	177.1	208.2	251.1	337.8	494.9	798.9	1123.0	1152.2	875.6
87.5°	102.3	105.9	130.6	159.8	191.7	250.2	344.2	525.9	691.2	682.9	531.4
90°	69.4	72.1	94.0	117.8	146.1	187.2	240.1	330.5	424.6	410.9	333.3
92.5°	46.6	51.1	69.4	89.5	114.1	144.3	170.7	216.4	263.0	250.2	211.8
95°	34.7	36.5	53.0	71.2	91.3	110.5	126.9	147.9	168.0	164.3	146.1
97.5°	27.4	29.2	42.9	58.4	74.0	89.5	98.6	105.9	116.9	116.0	105.0
100°	23.7	24.7	36.5	50.2	63.9	74.9	80.3	82.2	85.8	84.0	80.3
102.5°	20.1	21.9	32.0	43.8	55.7	63.9	67.6	65.7	64.8	63.0	59.3
105°	18.3	19.2	28.3	39.3	49.3	55.7	56.6	53.9	49.3	48.4	46.6
107.5°	17.3	18.3	25.6	35.6	43.8	49.3	48.4	44.7	39.3	37.4	36.5
110°	16.4	17.3	23.7	32.0	40.2	43.8	42.9	37.4	31.0	29.2	30.1



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	16.4	16.4	21.9	29.2	36.5	39.3	37.4	32.0	25.6	24.7	25.6
115°	15.5	16.4	21.0	27.4	32.9	35.6	32.9	27.4	21.9	21.0	21.9
117.5°	15.5	16.4	20.1	25.6	31.0	32.0	29.2	23.7	18.3	18.3	20.1
120°	15.5	16.4	19.2	23.7	28.3	29.2	26.5	21.0	16.4	16.4	18.3
122.5°	16.4	16.4	18.3	22.8	26.5	27.4	23.7	18.3	15.5	15.5	17.3
125°	16.4	16.4	18.3	21.0	24.7	24.7	21.9	16.4	13.7	13.7	16.4
127.5°	16.4	16.4	18.3	20.1	22.8	22.8	20.1	15.5	12.8	12.8	15.5
130°	16.4	17.3	17.3	19.2	21.0	21.0	18.3	13.7	12.8	12.8	14.6
132.5°	17.3	17.3	17.3	18.3	20.1	19.2	15.5	12.8	11.9	11.9	13.7
135°	16.4	16.4	16.4	17.3	18.3	17.3	13.7	11.0	11.0	11.9	12.8
137.5°	16.4	16.4	16.4	15.5	16.4	15.5	12.8	10.0	10.0	11.0	11.9
140°	14.6	15.5	14.6	14.6	14.6	13.7	11.0	8.2	9.1	10.0	10.0
142.5°	13.7	13.7	13.7	12.8	12.8	11.9	9.1	7.3	8.2	8.2	9.1
145°	12.8	12.8	11.9	11.0	11.0	9.1	7.3	6.4	7.3	7.3	8.2
147.5°	11.0	11.0	11.0	9.1	8.2	7.3	4.6	4.6	5.5	6.4	6.4
150°	9.1	9.1	9.1	8.2	6.4	5.5	3.7	4.6	4.6	4.6	5.5
152.5°	7.3	7.3	7.3	6.4	5.5	3.7	2.7	3.7	3.7	3.7	4.6
155°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	1.8	1.8	1.8	1.8	1.8	1.8
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°	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0
2.5°	212.7	210.0	205.4	200.9	196.3	191.7	188.1	187.2	184.4	184.4	183.5
5°	225.5	221.0	209.1	200.0	189.9	181.7	175.3	172.6	169.8	168.0	168.0
7.5°	248.3	238.3	221.0	205.4	191.7	179.9	171.6	167.1	163.4	161.6	161.6
10°	279.4	266.6	240.1	217.3	197.2	182.6	173.5	168.0	165.3	163.4	162.5
12.5°	325.0	306.8	268.4	235.6	210.0	191.7	179.9	176.2	177.1	177.1	177.1
15°	387.1	360.6	308.6	263.9	227.3	203.6	195.4	195.4	198.1	199.0	197.2
17.5°	467.5	431.9	358.8	292.2	249.3	224.6	215.5	215.5	220.0	222.8	222.8
20°	566.1	514.9	411.8	329.6	274.8	248.3	237.4	238.3	243.8	247.4	247.4
22.5°	679.3	619.0	479.3	367.9	303.1	269.3	257.5	258.4	267.5	272.1	273.9
25°	826.3	733.2	546.9	407.2	329.6	289.4	277.6	278.5	290.3	296.7	296.7
27.5°	981.5	860.1	615.4	445.6	352.4	307.7	295.8	298.6	311.3	316.8	318.6
30°	1146.8	995.2	683.9	478.4	370.7	321.4	309.5	315.0	326.9	335.1	336.0
32.5°	1330.3	1127.6	738.6	504.9	386.2	333.3	321.4	329.6	339.6	348.8	349.7
35°	1522.0	1259.1	787.0	523.2	396.3	343.3	330.5	338.7	348.8	357.0	356.1
37.5°	1693.7	1366.8	819.0	530.5	401.7	348.8	336.9	345.1	354.3	360.6	360.6
40°	1862.6	1479.1	834.5	525.0	401.7	351.5	339.6	348.8	357.0	360.6	360.6
42.5°	2023.3	1562.2	831.8	514.0	399.9	352.4	341.5	349.7	357.0	358.8	358.8
45°	2162.0	1638.9	815.3	495.8	393.5	351.5	342.4	349.7	355.2	355.2	356.1
47.5°	2326.4	1699.1	791.6	476.6	386.2	349.7	340.6	348.8	353.3	353.3	352.4
50°	2474.3	1757.6	759.6	455.6	379.8	347.9	339.6	347.9	353.3	351.5	351.5
52.5°	2631.3	1809.6	726.8	436.4	373.4	346.9	339.6	347.9	353.3	352.4	353.3
55°	2776.5	1861.7	685.7	419.1	369.8	346.0	340.6	348.8	356.1	356.1	355.2
57.5°	2962.8	1889.0	653.7	407.2	366.1	346.0	341.5	350.6	359.7	360.6	361.6
60°	3094.2	1924.7	627.2	399.9	366.1	347.9	344.2	353.3	365.2	369.8	372.5
62.5°	3190.1	1922.8	595.3	396.3	367.0	349.7	346.9	356.1	371.6	378.0	381.6
65°	3240.3	1890.0	562.4	393.5	367.9	351.5	348.8	357.9	376.2	388.0	391.7
67.5°	3174.6	1801.4	528.6	388.9	367.0	350.6	349.7	359.7	378.9	394.4	396.3
70°	3014.8	1651.7	488.5	378.9	363.4	347.9	346.9	355.2	376.2	394.4	396.3
72.5°	2711.7	1461.7	441.9	364.3	355.2	341.5	338.7	346.9	367.0	385.3	385.3
75°	2306.3	1241.7	396.3	343.3	338.7	330.5	327.8	332.3	349.7	367.0	367.9
77.5°	1806.0	988.8	347.9	314.1	318.6	312.3	309.5	312.3	327.8	339.6	340.6
80°	1374.1	753.2	301.3	279.4	290.3	288.5	285.8	284.9	295.8	304.9	302.2
82.5°	947.7	535.9	249.3	242.9	254.7	257.5	256.6	250.2	258.4	265.7	261.1
85°	611.7	378.9	208.2	205.4	216.4	221.0	220.0	215.5	217.3	225.5	216.4
87.5°	395.3	272.1	171.6	169.8	179.0	184.4	184.4	175.3	179.0	187.2	177.1
90°	247.4	192.6	143.3	142.4	148.8	151.6	147.9	142.4	144.3	148.8	145.2
92.5°	175.3	145.2	119.6	119.6	121.4	123.3	121.4	115.0	118.7	118.7	118.7
95°	127.8	115.0	104.1	102.3	101.3	100.4	99.5	95.0	98.6	97.7	95.0
97.5°	97.7	92.2	88.6	87.7	85.8	84.9	84.0	80.3	83.1	81.3	79.4
100°	76.7	75.8	75.8	75.8	74.0	71.2	71.2	70.3	70.3	67.6	67.6
102.5°	61.2	61.2	64.8	65.7	63.9	62.1	62.1	61.2	60.3	56.6	55.7
105°	48.4	50.2	55.7	56.6	55.7	53.9	53.0	53.0	51.1	46.6	46.6
107.5°	39.3	41.1	47.5	49.3	48.4	47.5	46.6	45.7	43.8	39.3	39.3
110°	32.0	34.7	40.2	42.9	42.0	41.1	41.1	39.3	37.4	33.8	33.8



REPORT NUMBER: P413742

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.4	30.1	34.7	37.4	37.4	36.5	35.6	34.7	32.0	29.2	29.2
115°	23.7	26.5	31.0	32.9	32.9	32.0	31.0	30.1	27.4	25.6	26.5
117.5°	21.9	23.7	27.4	29.2	29.2	28.3	27.4	26.5	24.7	23.7	23.7
120°	20.1	21.9	24.7	26.5	26.5	25.6	24.7	23.7	21.9	21.9	21.9
122.5°	18.3	20.1	22.8	23.7	23.7	22.8	21.9	21.0	19.2	20.1	20.1
125°	17.3	18.3	20.1	21.9	21.9	21.0	20.1	18.3	17.3	18.3	18.3
127.5°	16.4	17.3	19.2	20.1	20.1	19.2	17.3	16.4	15.5	16.4	16.4
130°	15.5	16.4	17.3	18.3	18.3	16.4	15.5	14.6	14.6	15.5	15.5
132.5°	14.6	15.5	15.5	16.4	16.4	15.5	13.7	12.8	12.8	13.7	13.7
135°	13.7	13.7	14.6	14.6	14.6	13.7	11.9	11.0	11.9	12.8	12.8
137.5°	11.9	12.8	12.8	13.7	12.8	11.9	10.0	10.0	11.0	11.0	11.0
140°	11.0	11.0	11.9	11.9	11.0	10.0	9.1	8.2	9.1	10.0	10.0
142.5°	10.0	10.0	10.0	10.0	10.0	8.2	7.3	7.3	8.2	8.2	8.2
145°	8.2	8.2	9.1	8.2	8.2	6.4	5.5	6.4	7.3	7.3	7.3
147.5°	6.4	7.3	7.3	7.3	6.4	4.6	3.7	5.5	6.4	6.4	6.4
150°	5.5	5.5	5.5	5.5	5.5	3.7	2.7	4.6	5.5	5.5	5.5
152.5°	4.6	4.6	5.5	5.5	4.6	2.7	1.8	3.7	4.6	4.6	3.7
155°	3.7	3.7	4.6	4.6	3.7	1.8	1.8	2.7	3.7	3.7	2.7
157.5°	2.7	3.7	3.7	3.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7
160°	2.7	2.7	2.7	3.7	2.7	1.8	0.9	1.8	2.7	1.8	1.8
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)