

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: P414880

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414880  
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-PA1-30-830-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 375mA 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: 2838 lumens  
Efficiency: N/A  
Efficacy: 91.5 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 - G2

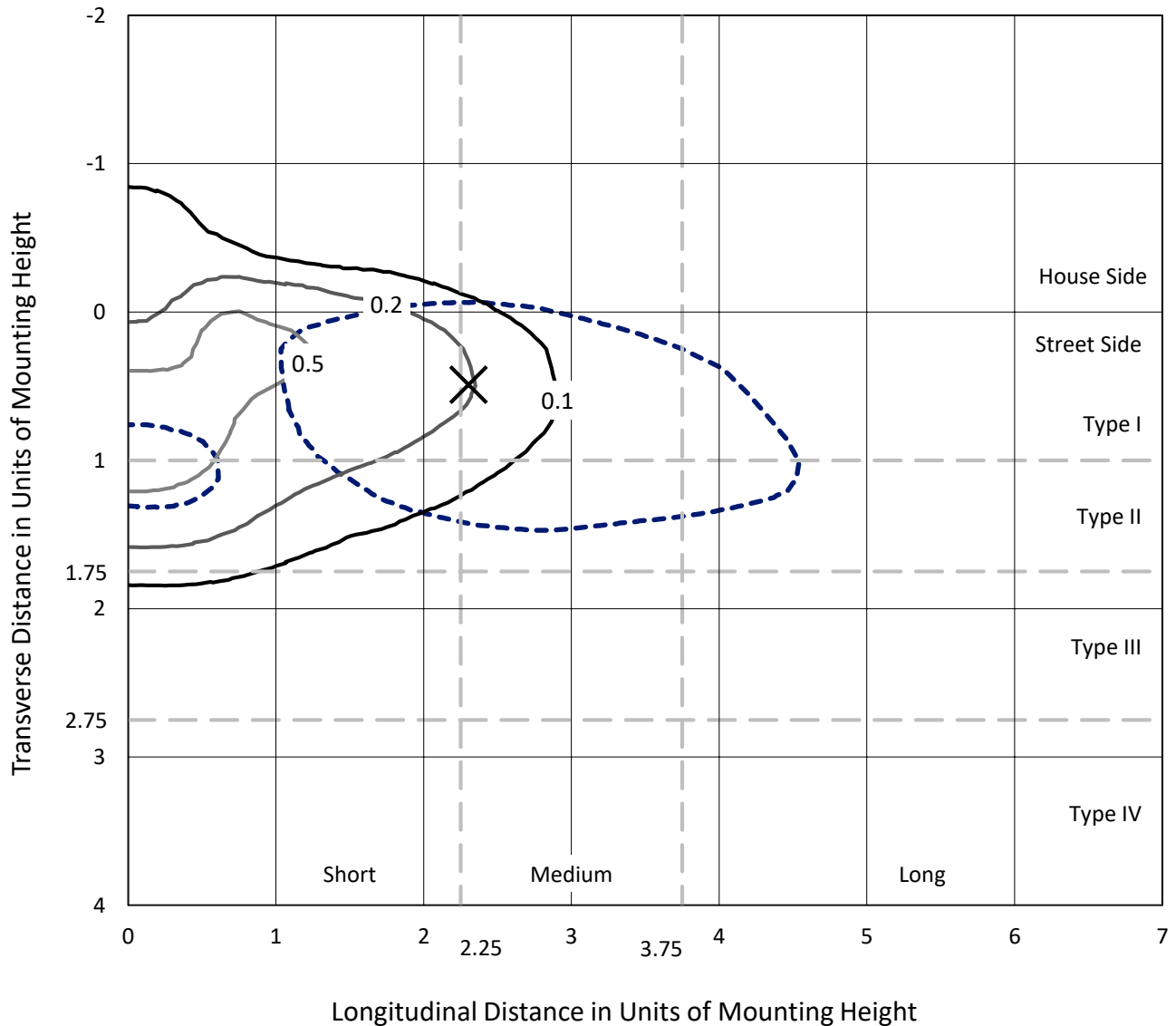
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

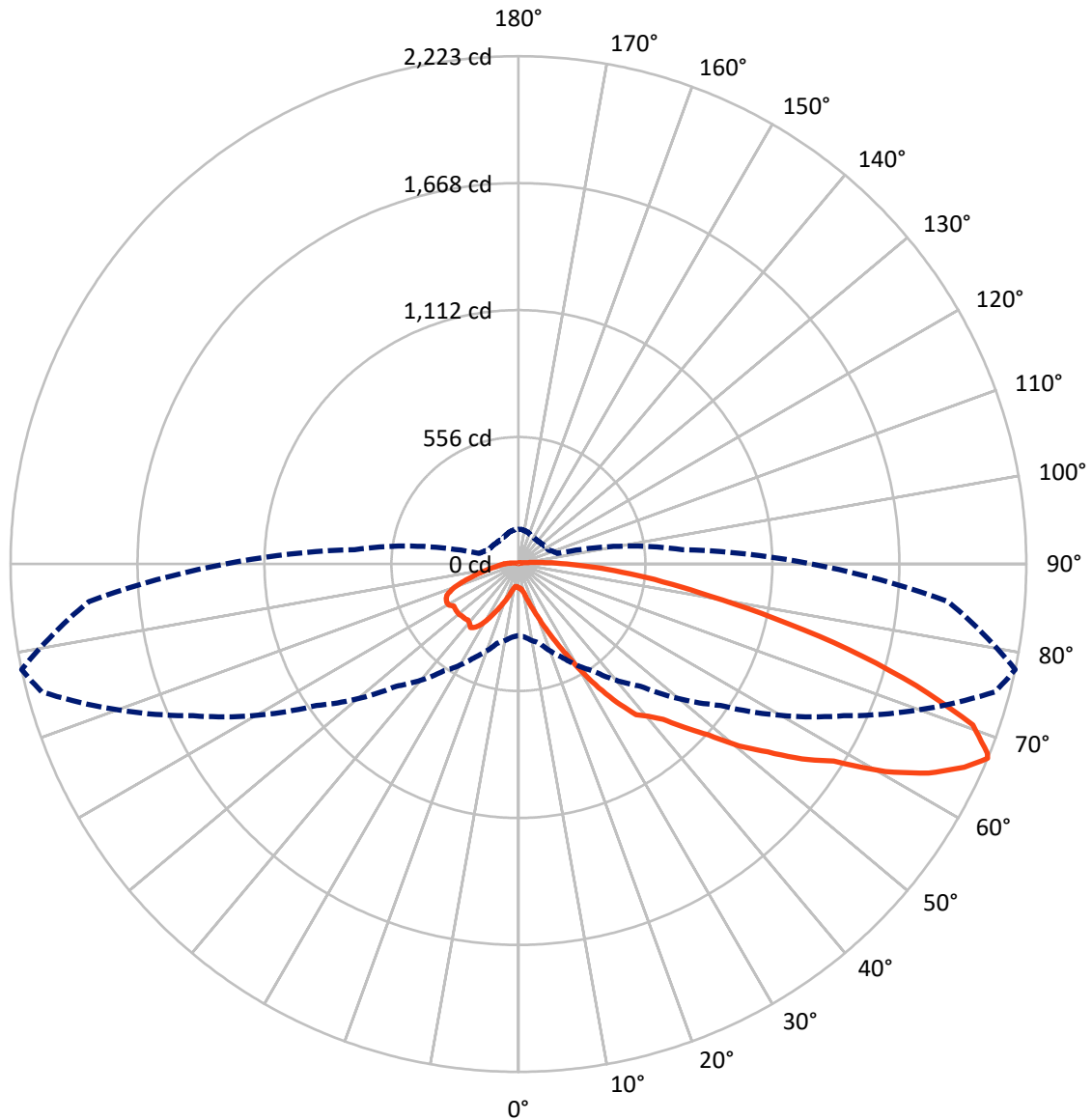
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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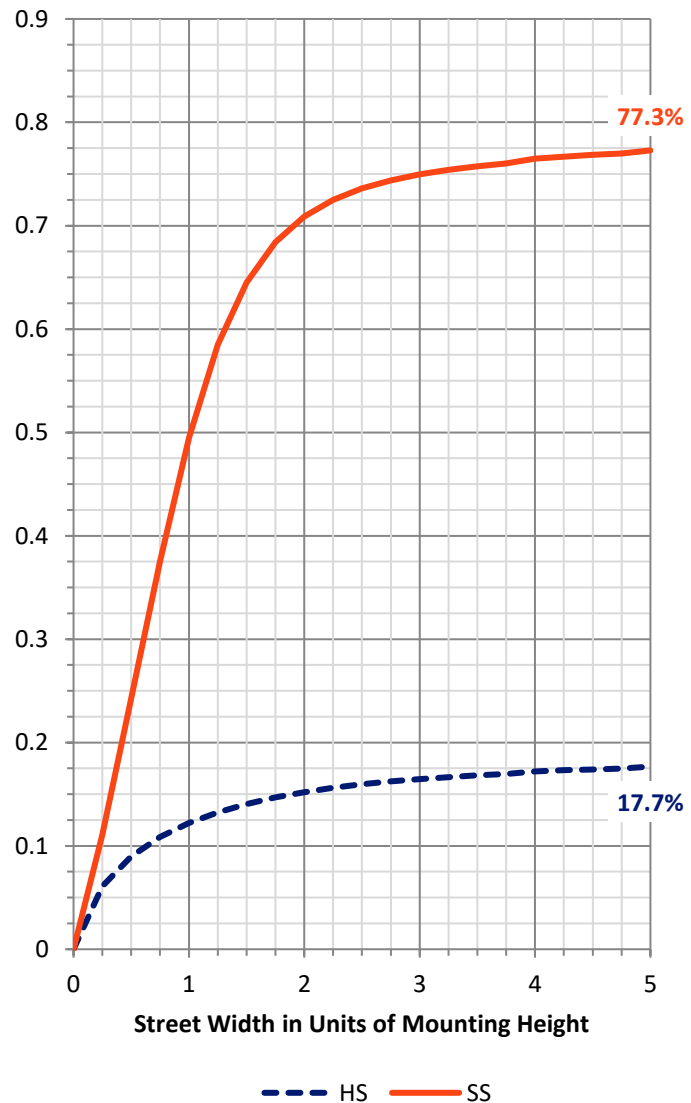
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	525.0	42.9	568.0
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	2224.3	45.7	2270.0
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	2749.3	88.7	2838.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.4	0.4
10°-20°	44.1	1.6
20°-30°	132.4	4.7
30°-40°	303.1	10.7
40°-50°	484.1	17.1
50°-60°	596.7	21.0
60°-70°	621.9	21.9
70°-80°	403.2	14.2
80°-90°	153.3	5.4
90°-100°	47.4	1.7
100°-110°	18.2	0.6
110°-120°	9.8	0.3
120°-130°	6.5	0.2
130°-140°	4.3	0.2
140°-150°	1.9	0.1
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2749.3	96.9
0°-180°	2838.0	100.0



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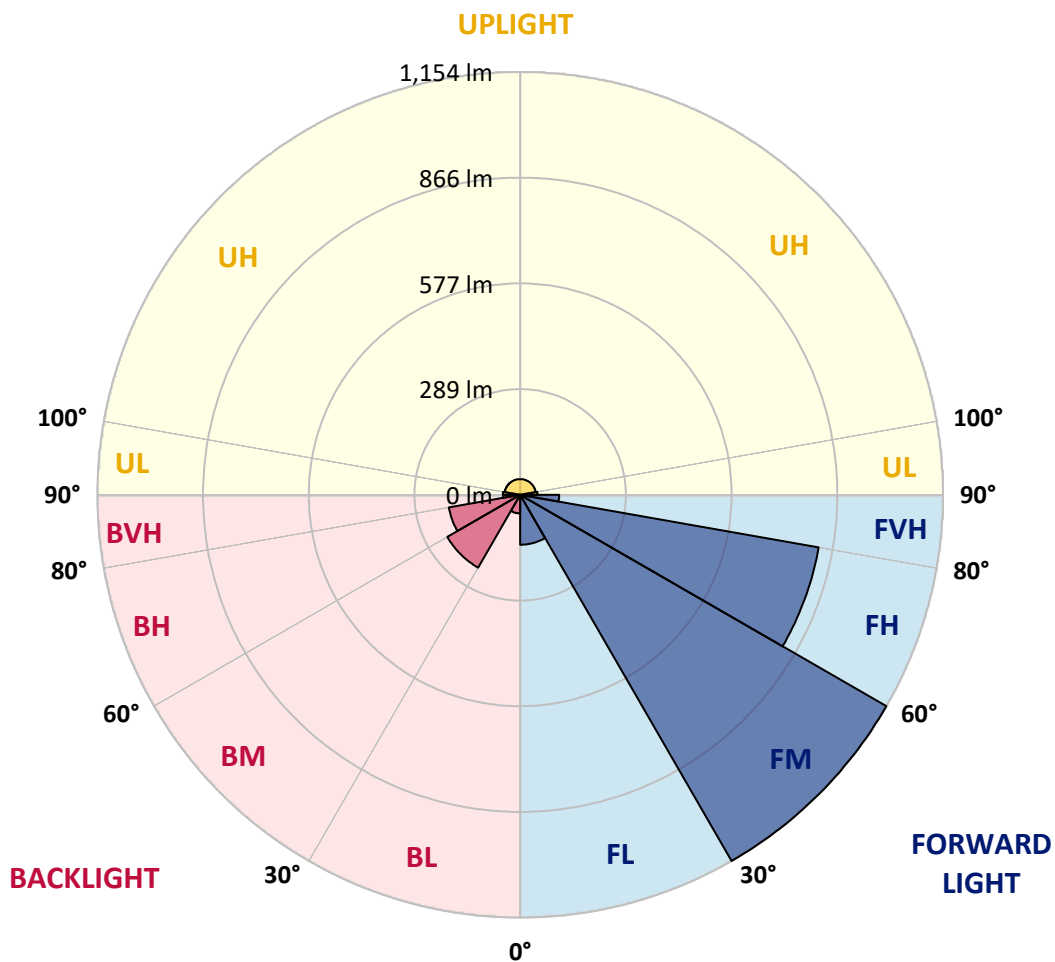
CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	136.3	4.8			
FM (30°-60°)	1154.4	40.7			
FH (60°-80°)	827.3	29.2			G1/1800
FVH (80°-90°)	106.3	3.7			G2/225
BL (0°-30°)	50.7	1.8	B0/110		
BM (30°-60°)	229.5	8.1	B1/1000		
BH (60°-80°)	197.8	7.0	B1/500		G1/500
BVH (80°-90°)	47.0	1.7			G1/100
UL (90°-100°)	47.4	1.7		U2/50	
UH (100°-180°)	42.9	1.5		U2/50	

**BUG Rating: B1-U2-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	116.9	116.6	116.2	115.6	114.2	112.9	110.9	108.2	106.2	105.8	103.8
5°	131.7	130.7	130.7	129.0	126.3	123.6	119.6	114.9	111.2	109.2	106.2
7.5°	149.8	147.8	148.5	145.8	142.1	137.4	131.0	124.6	117.6	115.6	111.2
10°	171.7	170.3	169.0	165.6	161.2	153.9	147.8	138.4	129.0	126.3	119.6
12.5°	198.2	198.5	194.5	190.8	183.4	176.0	168.6	159.6	149.1	146.1	137.4
15°	235.5	235.1	230.8	222.4	213.3	205.2	199.2	189.5	179.4	176.0	162.9
17.5°	279.1	278.1	274.8	260.0	250.9	244.5	235.8	229.8	215.3	211.6	195.5
20°	343.0	336.9	329.2	309.4	295.9	287.9	280.8	273.1	257.6	251.3	232.1
22.5°	413.9	416.9	402.8	372.2	349.7	334.9	327.5	323.5	311.7	307.4	278.5
25°	501.9	501.9	479.7	446.1	416.9	389.3	387.7	392.4	376.6	373.5	343.0
27.5°	594.6	598.3	569.0	533.1	488.8	456.5	454.8	458.9	457.5	448.8	405.1
30°	700.4	697.0	664.1	620.4	561.7	523.7	519.0	548.2	550.6	544.5	496.8
32.5°	823.7	821.0	779.7	712.1	639.6	595.9	598.9	640.3	656.4	646.0	590.2
35°	973.5	976.9	912.0	817.0	721.2	670.8	674.2	725.9	756.2	743.4	680.6
37.5°	1127.3	1128.4	1068.9	940.2	808.9	737.3	745.4	808.6	847.5	837.1	750.8
40°	1224.8	1234.8	1177.7	1055.5	901.3	803.9	810.6	873.1	895.9	876.4	775.0
42.5°	1310.1	1317.8	1259.7	1128.4	971.5	863.3	861.0	908.3	941.2	929.2	824.7
45°	1352.1	1367.2	1314.8	1179.1	1020.9	909.7	891.5	962.4	1035.6	1020.5	905.3
47.5°	1321.5	1340.0	1317.8	1205.6	1043.0	938.9	942.9	1040.3	1135.1	1118.3	993.3
50°	1221.7	1243.9	1251.3	1185.8	1048.7	953.3	996.3	1127.3	1254.3	1251.0	1101.5
52.5°	1101.5	1113.2	1145.5	1126.0	1027.6	970.1	1054.1	1211.7	1377.3	1366.9	1191.2
55°	990.3	1005.7	1032.3	1020.9	975.2	972.2	1099.8	1305.7	1507.9	1506.6	1304.0
57.5°	837.1	858.6	914.4	920.8	907.3	959.7	1133.1	1379.6	1623.5	1628.2	1417.2
60°	642.6	660.8	745.4	812.9	824.7	930.5	1149.9	1460.9	1821.0	1845.5	1615.1
62.5°	521.0	524.4	588.5	672.8	752.8	877.1	1152.5	1563.7	1993.7	2015.9	1733.7
65°	390.0	389.3	448.5	544.5	655.7	814.6	1144.1	1596.0	2087.4	2144.2	1846.9
67°	313.4	320.8	358.8	450.1	571.7	756.2	1079.0	1572.1	2161.0	2223.4	1888.2
67.5°	301.3	305.0	339.6	425.9	552.6	738.7	1059.8	1566.1	2160.6	2213.7	1875.8
70°	240.5	245.6	270.8	327.9	442.1	624.1	925.1	1425.6	2032.6	2109.9	1761.9
72.5°	185.8	189.8	207.6	250.9	336.6	502.5	765.2	1226.8	1760.2	1821.4	1493.8
75°	141.4	142.8	159.6	189.1	257.0	383.3	590.9	966.1	1447.5	1493.8	1214.0
77.5°	109.5	112.5	125.3	145.1	190.8	288.6	444.8	752.5	1151.5	1144.5	923.1
80°	85.3	88.0	97.4	111.2	143.1	212.0	325.5	556.3	841.1	849.5	675.9
82.5°	68.5	70.5	76.9	87.0	110.2	161.2	237.8	415.9	639.6	636.6	495.5
85°	54.8	56.1	60.8	69.5	85.0	122.3	175.7	309.0	451.5	455.2	338.3
87.5°	42.7	44.3	49.7	55.1	67.2	93.0	129.7	214.3	300.3	303.3	232.5
90°	33.3	34.3	39.0	44.7	54.4	70.5	93.7	146.8	193.5	189.8	149.5
92.5°	24.5	25.5	29.9	35.3	42.3	54.4	67.5	94.1	113.2	115.6	93.4
95°	17.5	18.5	22.2	26.2	32.2	41.3	48.0	59.8	69.5	67.5	59.8
97.5°	13.4	13.8	16.5	19.5	24.5	31.9	35.6	41.3	45.7	44.7	41.7
100°	10.7	11.1	13.1	14.8	19.1	25.2	28.6	31.6	34.3	33.3	31.9
102.5°	9.1	9.4	10.7	12.1	15.8	21.2	23.2	25.2	26.2	26.2	25.5
105°	7.7	8.1	9.1	10.4	13.4	17.5	18.8	19.8	20.8	20.5	20.5
107.5°	7.1	7.1	8.1	9.1	11.8	14.8	15.5	15.8	16.1	16.1	16.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	6.4	6.7	7.4	8.1	10.4	13.1	13.1	12.8	12.8	12.8	13.8
112.5°	6.0	6.4	6.7	7.7	9.7	11.4	11.1	10.4	10.4	10.7	11.8
115°	6.0	6.0	6.4	7.4	9.1	10.4	9.7	8.7	8.7	9.1	10.1
117.5°	6.0	6.0	6.7	7.4	8.7	9.4	8.7	7.7	7.4	7.7	8.7
120°	6.4	6.4	6.7	7.4	8.1	8.7	8.1	7.1	6.7	7.1	8.1
122.5°	6.7	6.7	6.7	7.4	7.7	8.1	7.4	6.4	6.0	6.4	7.4
125°	7.1	7.1	7.1	7.4	7.7	7.4	6.7	6.0	6.0	6.0	7.1
127.5°	7.7	7.7	7.7	7.7	7.4	7.1	6.4	5.7	6.0	6.0	6.7
130°	8.4	8.4	8.1	7.7	7.4	6.7	6.0	5.4	5.7	6.0	6.7
132.5°	8.7	8.4	8.1	7.4	7.1	6.0	5.4	5.0	5.4	5.7	6.4
135°	8.1	8.1	7.4	6.7	6.4	5.4	4.7	4.7	5.0	5.4	5.7
137.5°	7.1	7.1	6.7	6.0	5.7	5.0	4.4	4.0	4.7	5.0	5.4
140°	6.0	6.0	5.7	5.0	4.7	4.4	3.7	3.4	4.0	4.4	4.7
142.5°	5.0	5.0	4.7	4.0	4.0	3.7	3.0	3.0	3.7	3.7	4.0
145°	4.0	4.0	4.0	3.4	3.4	3.0	2.4	2.7	3.0	3.4	3.4
147.5°	3.4	3.4	3.4	2.7	2.7	2.4	1.7	2.0	2.4	2.7	2.7
150°	2.7	2.7	2.7	2.4	2.0	1.7	1.3	1.7	1.7	2.0	2.0
152.5°	2.0	2.0	2.0	1.7	1.7	1.0	1.0	1.3	1.3	1.7	1.7
155°	1.3	1.3	1.7	1.3	1.0	0.7	1.0	1.0	1.3	1.3	1.3
157.5°	1.0	1.0	1.0	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
160°	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5	103.5
2.5°	102.8	102.1	100.4	98.8	97.1	95.7	94.1	93.7	93.7	93.0	93.0
5°	104.1	102.1	98.1	94.7	91.0	88.0	85.7	84.7	83.6	83.0	82.3
7.5°	107.2	103.8	97.1	91.7	86.3	81.6	78.3	76.6	75.6	74.6	74.9
10°	114.2	109.2	99.4	90.7	82.6	76.3	72.2	70.2	69.5	68.5	68.5
12.5°	129.3	122.6	108.5	93.7	81.3	72.6	67.9	67.2	67.9	68.9	68.9
15°	153.2	143.1	122.6	102.1	84.3	71.9	69.2	71.2	73.6	74.9	74.9
17.5°	182.4	168.6	139.4	111.9	88.7	77.9	74.6	77.3	80.3	82.3	82.3
20°	214.7	196.2	156.5	120.3	95.1	86.3	82.6	85.0	89.0	92.0	91.7
22.5°	256.6	229.8	176.4	127.6	102.8	94.1	91.7	94.7	100.8	104.8	105.1
25°	308.7	271.8	199.5	137.4	109.8	100.8	101.4	106.8	114.9	119.3	119.3
27.5°	364.1	317.4	219.4	147.1	117.2	107.8	111.2	118.6	127.3	132.4	133.0
30°	437.4	376.2	244.2	156.9	123.6	114.9	118.9	127.6	134.0	137.1	137.4
32.5°	511.9	432.0	264.0	167.0	129.7	119.9	123.6	132.0	137.7	141.1	140.8
35°	579.5	477.0	275.8	171.7	135.0	123.6	125.3	134.4	137.7	139.7	139.4
37.5°	631.2	509.3	280.2	172.7	137.1	125.3	126.0	133.7	138.4	142.1	141.4
40°	639.9	504.9	263.7	166.6	136.7	125.3	126.6	135.4	140.4	142.1	141.8
42.5°	672.2	517.0	249.6	155.9	132.7	125.0	128.0	136.0	138.4	137.4	136.4
45°	728.3	542.5	245.6	150.5	127.6	124.0	128.7	134.4	134.0	132.0	131.3
47.5°	783.7	567.0	236.8	148.1	126.3	123.6	128.3	132.4	133.4	131.3	130.7
50°	854.2	599.6	229.8	144.8	126.6	123.6	127.6	132.4	133.0	129.7	129.3
52.5°	917.4	622.1	219.4	141.8	127.0	124.6	127.6	132.4	132.7	129.3	128.7
55°	983.2	646.0	208.6	138.7	128.0	125.6	128.7	132.7	133.0	130.7	130.0
57.5°	1049.1	666.8	196.5	136.4	129.0	127.6	129.3	133.0	135.7	135.0	135.0
60°	1183.4	726.6	194.5	136.7	130.0	129.3	130.0	134.7	139.7	138.1	138.4
62.5°	1236.5	739.4	190.8	141.1	133.0	130.7	131.0	136.0	141.4	143.8	143.4
65°	1284.9	740.4	183.4	144.1	136.7	131.7	131.7	136.4	145.5	150.8	150.8
67°	1282.2	720.2	178.0	144.4	138.4	132.7	131.3	136.4	145.8	151.8	152.2
67.5°	1266.8	707.1	176.0	144.4	138.7	132.7	131.0	136.0	145.8	152.2	152.2
70°	1173.7	638.2	162.9	140.8	137.7	131.0	129.0	132.7	143.8	152.5	152.5
72.5°	972.2	525.4	144.4	131.7	131.3	126.6	123.6	127.6	138.4	147.5	147.1
75°	785.7	419.9	126.0	118.2	121.6	118.2	115.9	118.9	129.3	138.4	137.7
77.5°	587.2	315.4	108.8	105.5	110.2	107.8	105.8	108.8	118.9	127.6	126.3
80°	434.0	243.2	94.7	93.4	96.7	96.1	95.4	96.7	105.5	111.2	110.2
82.5°	319.5	185.1	81.6	80.6	84.7	84.7	84.7	85.7	92.0	94.1	93.0
85°	227.1	139.4	71.9	69.2	72.6	74.2	75.2	75.6	78.9	79.3	76.9
87.5°	159.9	109.8	64.5	58.8	60.5	64.2	65.8	65.5	66.8	65.8	63.5
90°	111.5	86.3	58.4	50.1	50.1	53.7	56.4	56.1	56.4	53.7	51.4
92.5°	78.6	65.2	49.4	41.3	40.6	44.3	46.7	46.4	46.4	43.7	41.3
95°	52.7	48.0	39.3	33.3	32.2	35.3	37.6	37.0	37.0	34.3	33.3
97.5°	39.0	36.6	32.2	28.2	26.2	27.9	29.6	29.6	29.9	28.2	27.2
100°	30.6	29.6	27.5	24.2	22.2	22.5	23.5	23.5	24.9	23.5	22.8
102.5°	25.5	24.9	23.2	20.8	19.1	18.8	19.5	19.8	21.5	20.5	20.2
105°	21.2	20.8	19.8	17.8	16.5	16.5	16.5	16.8	18.5	17.8	17.8
107.5°	17.1	17.1	17.1	15.5	14.4	14.4	14.1	14.4	15.8	15.8	15.8



REPORT NUMBER: P414880

CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	14.4	14.4	14.8	13.4	12.8	12.8	12.4	12.8	14.1	14.4	14.4
112.5°	12.4	12.4	12.8	12.1	11.4	11.4	11.1	11.1	12.4	13.4	13.4
115°	10.7	11.1	11.1	10.7	10.4	10.1	9.7	10.1	11.4	12.4	12.4
117.5°	9.4	9.7	10.1	9.7	9.4	9.1	8.7	9.1	10.4	11.8	11.8
120°	8.4	8.7	9.1	9.1	8.7	8.4	7.7	8.4	9.4	10.7	11.1
122.5°	7.7	8.1	8.1	8.1	8.1	7.4	7.1	7.4	8.4	9.7	10.1
125°	7.4	7.4	7.7	7.7	7.4	6.7	6.4	6.7	7.4	8.4	8.7
127.5°	7.1	7.1	7.4	7.4	6.7	6.0	5.7	6.0	6.7	7.4	7.4
130°	7.1	7.1	7.1	6.7	6.4	5.7	5.0	5.4	6.0	6.7	6.7
132.5°	6.7	6.4	6.4	6.4	5.7	5.0	4.7	4.7	5.4	6.0	6.0
135°	6.0	6.0	5.7	5.7	5.4	4.4	4.0	4.0	4.7	5.4	5.4
137.5°	5.4	5.4	5.0	5.0	4.7	4.0	3.4	3.7	4.4	4.4	4.7
140°	4.7	4.7	4.4	4.4	4.0	3.4	2.7	3.0	3.7	3.7	4.0
142.5°	4.0	4.0	4.0	3.7	3.4	2.7	2.4	2.7	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.0	2.7	2.0	1.7	2.4	3.0	2.7	2.7
147.5°	2.7	2.7	2.7	2.7	2.0	1.7	1.3	2.0	2.4	2.4	2.4
150°	2.0	2.0	2.0	2.0	1.7	1.0	1.0	1.7	2.0	2.0	2.0
152.5°	1.7	1.7	1.7	2.0	1.7	0.7	0.7	1.3	1.7	1.7	1.7
155°	1.3	1.3	1.7	1.7	1.3	0.7	0.3	1.0	1.3	1.3	1.3
157.5°	1.0	1.0	1.3	1.3	1.0	0.7	0.3	0.7	1.3	1.0	1.0
160°	0.7	1.0	1.0	1.0	1.0	0.7	0.0	0.7	1.0	0.7	0.7
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)