

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: P255289

Luminaire Tested: **LXF.LXT-AF24-90-D-U-T2U-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255289  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-37)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-90-D-U-T2U-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8494.6 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

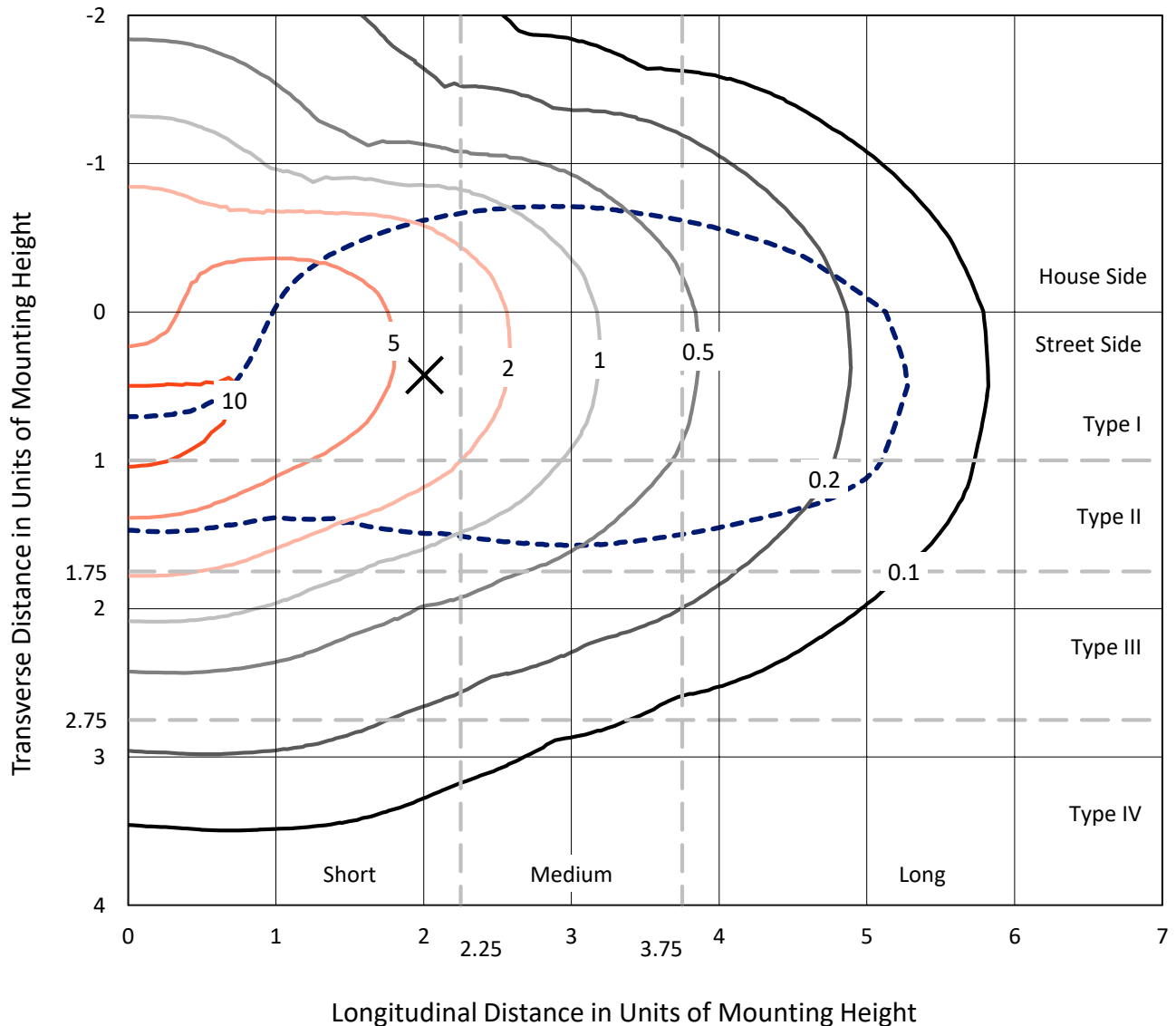
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

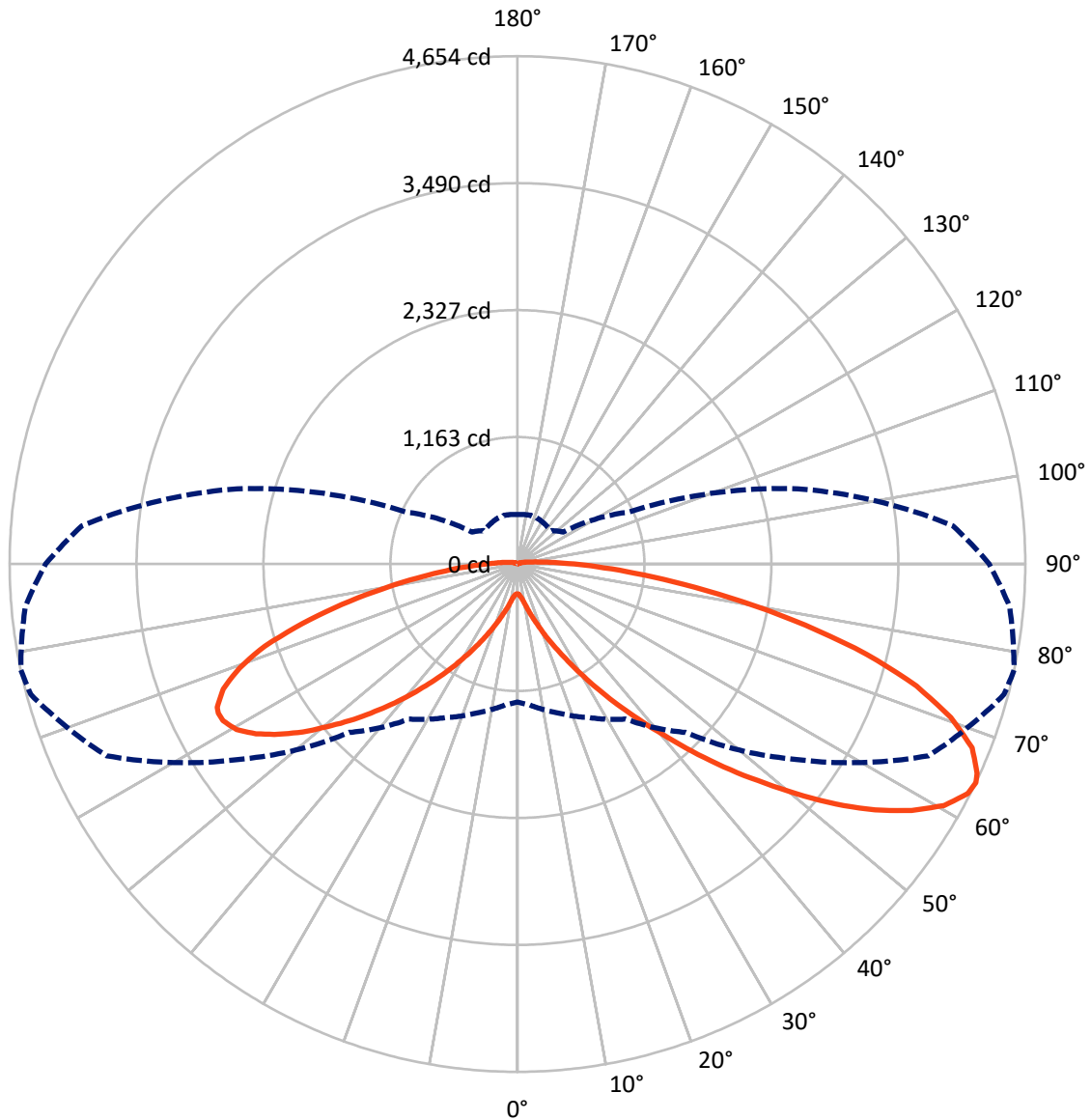
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.8 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical

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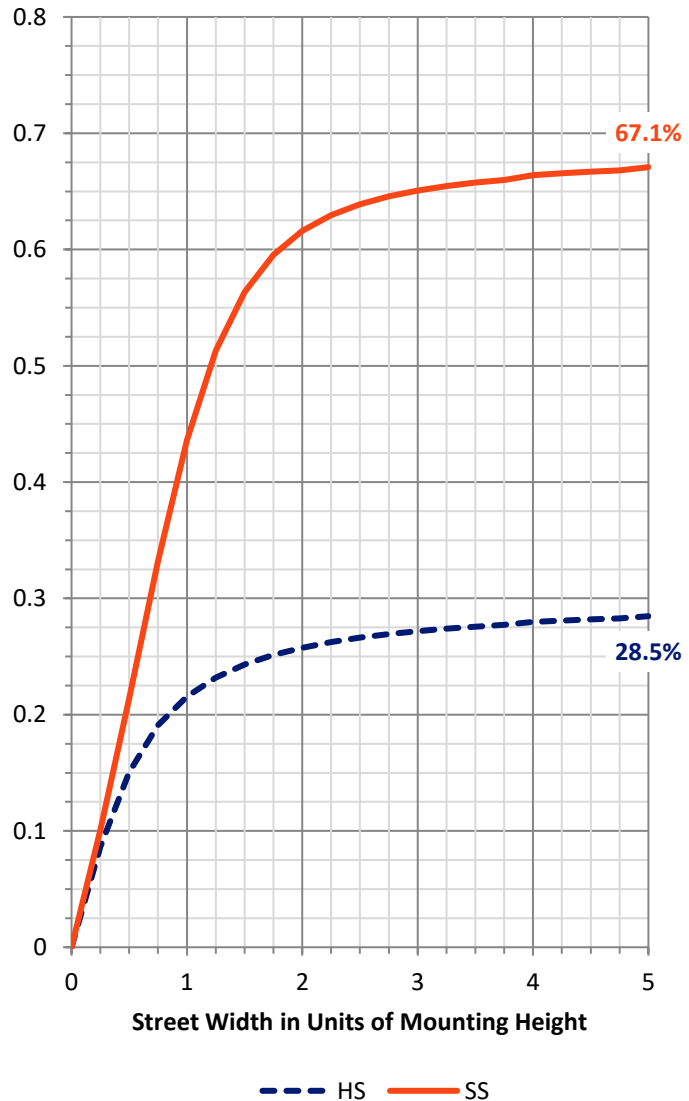
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2494.2	114.9	2609.1
	% Fixture	29.4	1.4	30.7
<b>Street Side</b>	Lumens	5776.7	108.9	5885.5
	% Fixture	68.0	1.3	69.3
<b>Total</b>	Lumens	8270.9	223.7	8494.6
	% Fixture	97.4	2.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.8	0.4
10°-20°	137.7	1.6
20°-30°	383.9	4.5
30°-40°	834.0	9.8
40°-50°	1440.5	17.0
50°-60°	1907.1	22.5
60°-70°	1860.6	21.9
70°-80°	1209.3	14.2
80°-90°	468.0	5.5
90°-100°	135.1	1.6
100°-110°	51.4	0.6
110°-120°	22.3	0.3
120°-130°	9.8	0.1
130°-140°	4.0	0.0
140°-150°	1.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8270.9	97.4
0°-180°	8494.6	100.0

**Coefficient of Utilization**



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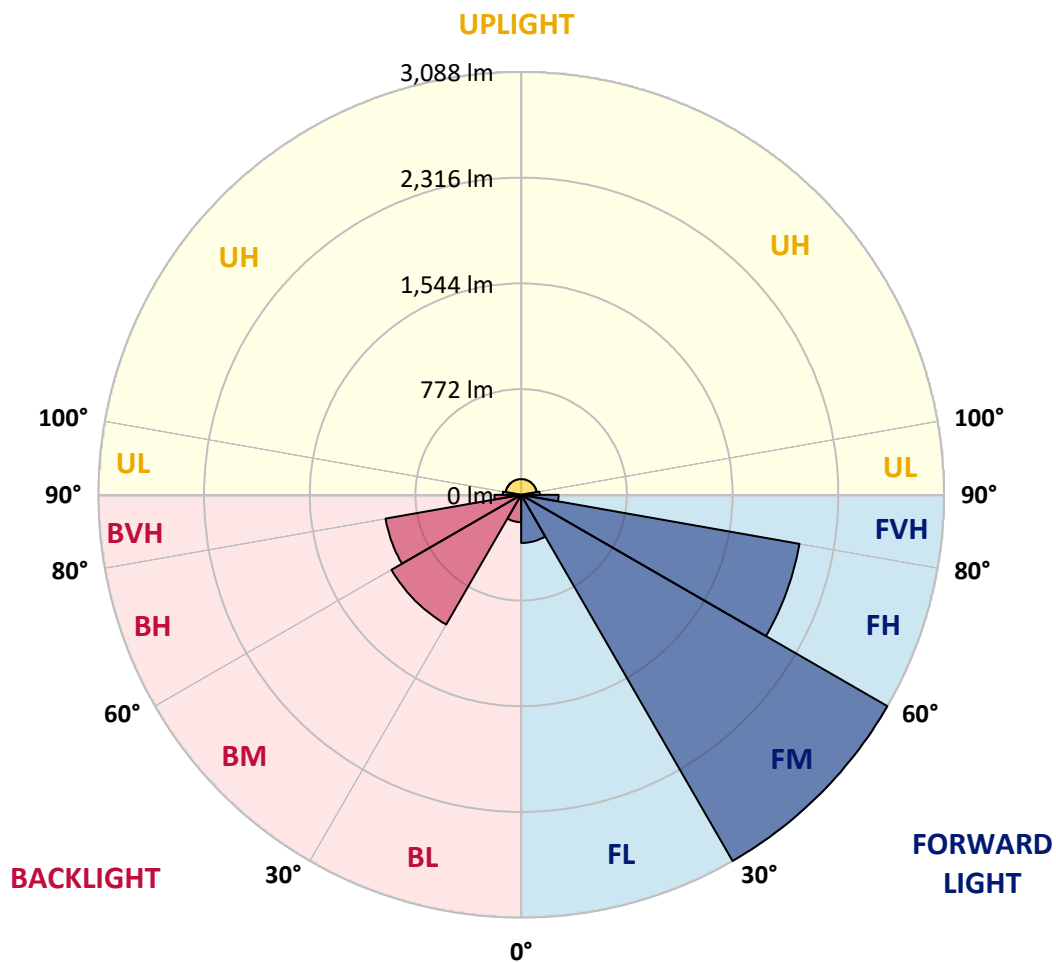
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	351.6	4.1			
FM	(30°-60°)	3088.0	36.4			
FH	(60°-80°)	2064.1	24.3			G2/5000
FVH	(80°-90°)	272.9	3.2			G3/500
BL	(0°-30°)	199.8	2.4	B1/500		
BM	(30°-60°)	1093.6	12.9	B2/2500		
BH	(60°-80°)	1005.7	11.8	B3/2500		G3/2500
BVH	(80°-90°)	195.1	2.3			G2/225
UL	(90°-100°)	135.1	1.6		U3/500	
UH	(100°-180°)	114.9	1.4		U3/500	

**BUG Rating: B3-U3-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7
2.5°	295.9	295.0	295.0	295.9	293.0	292.0	288.9	284.9	281.8	280.8	277.8
5°	328.3	326.3	324.3	325.3	322.2	317.2	312.1	306.1	301.1	299.0	294.0
7.5°	366.7	368.7	364.7	362.6	358.6	353.5	344.4	337.4	330.3	327.3	322.2
10°	427.3	428.3	421.3	422.3	410.1	404.1	395.0	382.9	374.8	369.7	362.6
12.5°	510.1	509.1	501.0	498.1	482.8	471.8	457.7	443.4	435.4	429.3	417.2
15°	611.2	609.2	604.1	592.0	568.8	554.6	537.5	516.2	505.1	497.1	483.9
17.5°	730.4	731.4	721.3	705.1	673.8	653.6	628.3	600.1	583.9	572.8	558.6
20°	878.8	879.8	861.7	838.4	798.0	769.8	727.3	701.0	675.9	669.7	647.5
22.5°	1055.7	1054.7	1027.3	997.1	942.5	900.1	853.7	811.2	781.8	773.8	749.5
25°	1256.7	1254.6	1221.3	1189.0	1107.1	1051.6	991.0	938.5	909.2	893.0	865.7
27.5°	1493.1	1489.0	1444.6	1398.1	1294.0	1212.2	1138.4	1089.0	1052.6	1031.4	1001.1
30°	1747.6	1743.6	1690.0	1614.3	1502.2	1408.2	1311.2	1253.6	1212.2	1196.0	1154.6
32.5°	2022.4	2014.3	1951.7	1859.7	1727.5	1608.2	1510.3	1444.6	1394.1	1377.9	1324.3
35°	2301.2	2290.1	2223.4	2116.4	1963.9	1833.5	1733.5	1664.8	1602.1	1581.0	1516.3
37.5°	2568.9	2553.8	2501.2	2365.9	2211.3	2090.1	1978.0	1892.0	1823.4	1804.2	1719.4
40°	2781.1	2772.0	2723.5	2593.2	2445.7	2323.4	2237.6	2168.9	2082.0	2052.8	1961.8
42.5°	2942.7	2933.6	2896.2	2788.2	2656.8	2572.9	2501.2	2451.7	2377.0	2345.6	2217.3
45°	3026.5	3013.4	2997.2	2919.5	2829.6	2788.2	2779.1	2760.8	2688.1	2651.8	2502.2
47.5°	3007.4	3001.2	3016.5	2968.9	2933.6	2969.9	3047.8	3084.1	3000.3	2967.0	2809.3
50°	2886.2	2894.2	2932.6	2928.5	2962.9	3086.1	3282.1	3402.3	3349.8	3305.4	3133.6
52.5°	2683.1	2694.1	2762.9	2800.2	2899.2	3132.6	3463.9	3702.4	3707.4	3655.9	3462.0
55°	2416.4	2440.7	2524.4	2597.2	2756.9	3079.1	3571.0	3954.9	4030.6	3978.2	3772.0
57.5°	2100.2	2135.5	2227.5	2347.7	2533.5	2932.6	3592.2	4143.8	4304.5	4261.0	4064.0
60°	1770.8	1796.1	1910.3	2045.6	2231.5	2708.4	3504.3	4242.8	4519.6	4492.3	4331.7
62.5°	1447.6	1475.9	1593.0	1741.6	1923.5	2390.1	3295.2	4235.7	4619.6	4632.7	4490.3
64°	1264.8	1296.1	1411.3	1551.6	1733.5	2183.0	3121.5	4157.0	4617.6	4653.9	4528.7
65°	1150.6	1181.9	1295.1	1434.5	1612.3	2039.6	2991.2	4081.2	4598.4	4628.8	4529.7
67.5°	899.1	924.3	1031.4	1174.9	1317.3	1680.9	2578.0	3782.2	4442.8	4493.3	4435.7
70°	691.0	715.2	813.2	945.5	1064.8	1366.8	2129.5	3344.7	4142.8	4213.5	4186.2
72.5°	531.3	551.6	638.4	753.6	850.6	1081.0	1701.2	2827.5	3708.4	3823.6	3828.6
75°	410.1	426.3	498.1	598.0	674.8	840.5	1325.3	2271.0	3154.8	3307.4	3342.7
77.5°	320.2	330.3	387.9	469.7	532.3	642.5	997.1	1747.6	2545.7	2697.2	2759.8
80°	251.5	259.6	304.0	368.7	418.2	482.8	730.4	1293.0	1951.7	2089.1	2148.7
82.5°	195.0	202.0	237.4	289.9	328.3	370.7	522.3	921.3	1420.4	1533.5	1582.0
85°	148.5	153.5	183.8	223.2	254.6	284.9	364.7	629.3	989.0	1074.8	1108.2
87.5°	110.1	114.2	139.4	171.8	195.0	218.2	265.7	416.2	664.7	726.3	750.5
90°	79.8	82.9	103.0	130.3	150.5	167.7	192.9	275.8	427.3	468.7	486.9
92.5°	56.6	59.6	75.8	98.0	117.2	131.3	148.5	191.9	273.7	295.9	310.2
95°	41.4	43.5	55.5	73.8	90.9	104.0	118.2	139.4	180.9	192.9	198.0
97.5°	31.3	32.3	42.5	56.6	71.7	82.9	93.0	106.1	127.3	133.4	136.4
100°	24.2	25.3	33.3	45.4	57.6	67.7	74.8	82.9	93.9	98.0	100.0
102.5°	20.3	21.2	27.3	37.3	47.5	55.5	61.6	66.7	71.7	73.8	76.8
105°	18.2	18.2	24.2	32.3	40.4	47.5	52.6	54.5	55.5	56.6	57.6
107.5°	15.1	16.2	21.2	28.3	35.4	41.4	44.5	44.5	42.5	42.5	43.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	14.1	14.1	18.2	24.2	31.3	35.4	37.3	35.4	31.3	31.3	32.3
112.5°	12.2	13.1	16.2	21.2	27.3	31.3	31.3	28.3	23.2	23.2	24.2
115°	11.2	11.2	14.1	19.2	23.2	26.3	26.3	23.2	17.2	17.2	18.2
117.5°	10.1	10.1	12.2	16.2	20.3	23.2	22.2	18.2	13.1	13.1	15.1
120°	10.1	10.1	11.2	14.1	17.2	19.2	18.2	14.1	10.1	10.1	12.2
122.5°	9.1	9.1	10.1	12.2	15.1	16.2	15.1	11.2	8.1	9.1	10.1
125°	9.1	9.1	9.1	11.2	13.1	14.1	13.1	9.1	7.1	7.1	8.1
127.5°	8.1	8.1	8.1	9.1	11.2	12.2	10.1	7.1	6.0	6.0	7.1
130°	8.1	8.1	7.1	8.1	10.1	10.1	8.1	5.0	4.1	5.0	6.0
132.5°	7.1	7.1	7.1	7.1	8.1	8.1	7.1	4.1	4.1	4.1	5.0
135°	7.1	7.1	6.0	6.0	7.1	7.1	5.0	3.1	3.1	3.1	4.1
137.5°	6.0	6.0	6.0	5.0	5.0	5.0	4.1	2.0	2.0	3.1	3.1
140°	5.0	5.0	5.0	4.1	4.1	3.1	2.0	1.0	2.0	2.0	3.1
142.5°	4.1	4.1	4.1	3.1	3.1	2.0	1.0	1.0	1.0	2.0	2.0
145°	3.1	3.1	3.1	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0
147.5°	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7	273.7
2.5°	276.8	275.8	272.7	270.8	268.7	266.7	266.7	264.6	263.6	262.7	262.7
5°	293.0	288.9	283.9	279.8	274.8	269.8	265.7	262.7	260.6	259.6	258.6
7.5°	317.2	312.1	303.1	295.9	286.9	279.8	273.7	267.7	265.7	263.6	263.6
10°	357.6	348.5	335.4	322.2	310.2	298.0	290.9	282.8	280.8	278.9	278.9
12.5°	411.1	402.0	380.8	362.6	343.5	327.3	316.2	309.1	307.1	304.0	305.0
15°	474.8	458.6	435.4	409.1	384.8	362.6	349.5	338.4	333.4	330.3	331.3
17.5°	546.6	528.4	495.0	460.6	429.3	405.1	382.9	366.7	358.6	355.6	355.6
20°	629.3	609.2	566.7	520.3	479.9	445.5	417.2	392.9	382.9	378.8	378.8
22.5°	727.3	702.1	643.5	583.9	533.4	482.8	445.5	416.2	404.1	400.1	400.1
25°	840.5	807.1	732.4	658.7	582.9	515.2	467.7	436.4	422.3	417.2	417.2
27.5°	958.7	927.4	830.3	736.4	632.4	541.4	484.9	450.5	434.3	431.4	430.4
30°	1108.2	1063.8	938.5	810.2	674.8	559.7	491.9	458.6	442.4	439.5	439.5
32.5°	1264.8	1212.2	1060.7	886.9	707.2	567.7	493.0	461.7	447.5	444.5	443.4
35°	1448.6	1381.0	1188.0	965.8	736.4	570.8	491.9	463.7	452.6	448.6	447.5
37.5°	1648.6	1562.8	1322.4	1038.5	751.6	565.7	489.0	462.7	454.6	449.5	448.6
40°	1864.8	1765.8	1475.9	1097.1	753.6	555.6	482.8	463.7	455.6	449.5	447.5
42.5°	2106.3	1987.1	1624.3	1150.6	747.6	543.5	478.8	463.7	456.6	449.5	447.5
45°	2375.0	2229.5	1779.9	1192.0	731.4	529.4	474.8	463.7	457.7	448.6	447.5
47.5°	2661.8	2489.1	1939.6	1224.4	711.2	515.2	472.8	465.7	460.6	449.5	448.6
50°	2961.9	2762.9	2094.1	1245.5	686.9	502.1	470.8	465.7	462.7	450.5	449.5
52.5°	3285.1	3052.8	2261.8	1256.7	658.7	489.0	468.7	467.7	464.7	453.6	451.5
55°	3586.2	3331.6	2411.3	1256.7	629.3	476.8	466.7	468.7	467.7	456.6	454.6
57.5°	3867.1	3588.2	2542.6	1241.6	598.0	464.7	462.7	467.7	468.7	458.6	456.6
60°	4109.5	3812.4	2635.6	1217.3	565.7	452.6	457.7	465.7	468.7	459.6	457.7
62.5°	4273.1	3968.0	2666.9	1165.8	531.3	439.5	448.6	459.6	465.7	457.7	455.6
64°	4323.6	4007.4	2659.9	1127.4	510.1	431.4	442.4	455.6	461.7	455.6	453.6
65°	4337.7	4013.4	2634.6	1095.1	497.1	425.2	437.4	451.5	458.6	452.6	450.5
67.5°	4252.9	3908.4	2510.3	999.1	465.7	409.1	423.3	437.4	446.5	443.4	441.4
70°	4036.8	3686.2	2305.2	894.1	433.3	389.9	404.1	419.2	430.4	428.3	427.3
72.5°	3680.2	3335.6	2046.6	770.8	401.0	368.7	378.8	396.0	407.1	406.1	404.1
75°	3208.4	2874.0	1691.0	658.7	365.7	341.5	351.6	366.7	377.8	375.8	375.8
77.5°	2656.8	2336.6	1357.7	544.5	333.4	312.1	321.2	333.4	343.5	340.4	339.4
80°	2069.8	1798.1	1037.5	443.4	299.0	280.8	286.9	295.9	305.0	301.1	300.0
82.5°	1521.3	1315.3	764.8	355.6	264.6	245.5	250.5	258.6	263.6	259.6	258.6
85°	1066.7	919.3	553.6	282.8	227.3	211.1	212.2	216.1	220.2	214.2	213.2
87.5°	719.2	616.2	383.9	224.2	191.9	177.8	176.8	178.8	181.9	175.7	172.8
90°	471.8	402.0	262.7	181.9	160.6	148.5	146.5	146.5	147.5	140.5	138.4
92.5°	299.0	260.6	190.9	148.5	134.3	123.3	120.2	119.2	118.2	111.1	110.1
95°	195.0	178.8	146.5	123.3	111.1	102.0	99.0	97.0	94.9	89.9	87.9
97.5°	137.4	129.3	116.2	102.0	93.0	84.9	81.8	78.8	76.8	70.7	69.7
100°	103.0	100.0	93.9	84.9	77.7	70.7	67.7	64.7	62.6	56.6	55.5
102.5°	79.8	79.8	76.8	70.7	64.7	58.6	56.6	53.5	50.5	46.4	45.4
105°	61.6	61.6	62.6	59.6	54.5	50.5	47.5	45.4	42.5	37.3	37.3
107.5°	46.4	48.5	50.5	49.5	46.4	42.5	40.4	38.4	34.4	31.3	31.3



REPORT NUMBER: P255289

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-T2U-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	35.4	36.4	40.4	41.4	39.4	36.4	34.4	31.3	28.3	25.3	25.3
112.5°	26.3	28.3	32.3	34.4	33.3	31.3	29.3	26.3	22.2	21.2	21.2
115°	20.3	22.2	26.3	28.3	28.3	26.3	24.2	21.2	18.2	17.2	18.2
117.5°	16.2	18.2	21.2	23.2	23.2	21.2	20.3	17.2	15.1	15.1	15.1
120°	13.1	15.1	17.2	19.2	19.2	18.2	16.2	14.1	12.2	13.1	13.1
122.5°	11.2	12.2	14.1	15.1	16.2	15.1	13.1	11.2	10.1	11.2	11.2
125°	9.1	10.1	12.2	12.2	13.1	12.2	11.2	9.1	8.1	9.1	9.1
127.5°	8.1	9.1	10.1	10.1	11.2	10.1	9.1	7.1	7.1	8.1	8.1
130°	6.0	7.1	8.1	8.1	9.1	8.1	7.1	6.0	6.0	7.1	7.1
132.5°	5.0	6.0	6.0	7.1	7.1	7.1	6.0	4.1	5.0	5.0	5.0
135°	5.0	5.0	6.0	5.0	5.0	5.0	4.1	3.1	4.1	4.1	4.1
137.5°	4.1	4.1	5.0	5.0	4.1	4.1	3.1	2.0	3.1	4.1	4.1
140°	3.1	4.1	4.1	4.1	4.1	3.1	2.0	1.0	2.0	2.0	2.0
142.5°	3.1	3.1	4.1	4.1	3.1	2.0	1.0	0.0	1.0	1.0	1.0
145°	2.0	3.1	3.1	3.1	2.0	2.0	1.0	0.0	0.0	1.0	0.0
147.5°	2.0	2.0	3.1	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	2.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)