

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: P255171

Luminaire Tested: **LXF.LXT-AF24-80-D-U-T4W-TL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-35)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-80-D-U-T4W-TL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7371.7 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

Input Watts (W): 83  
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

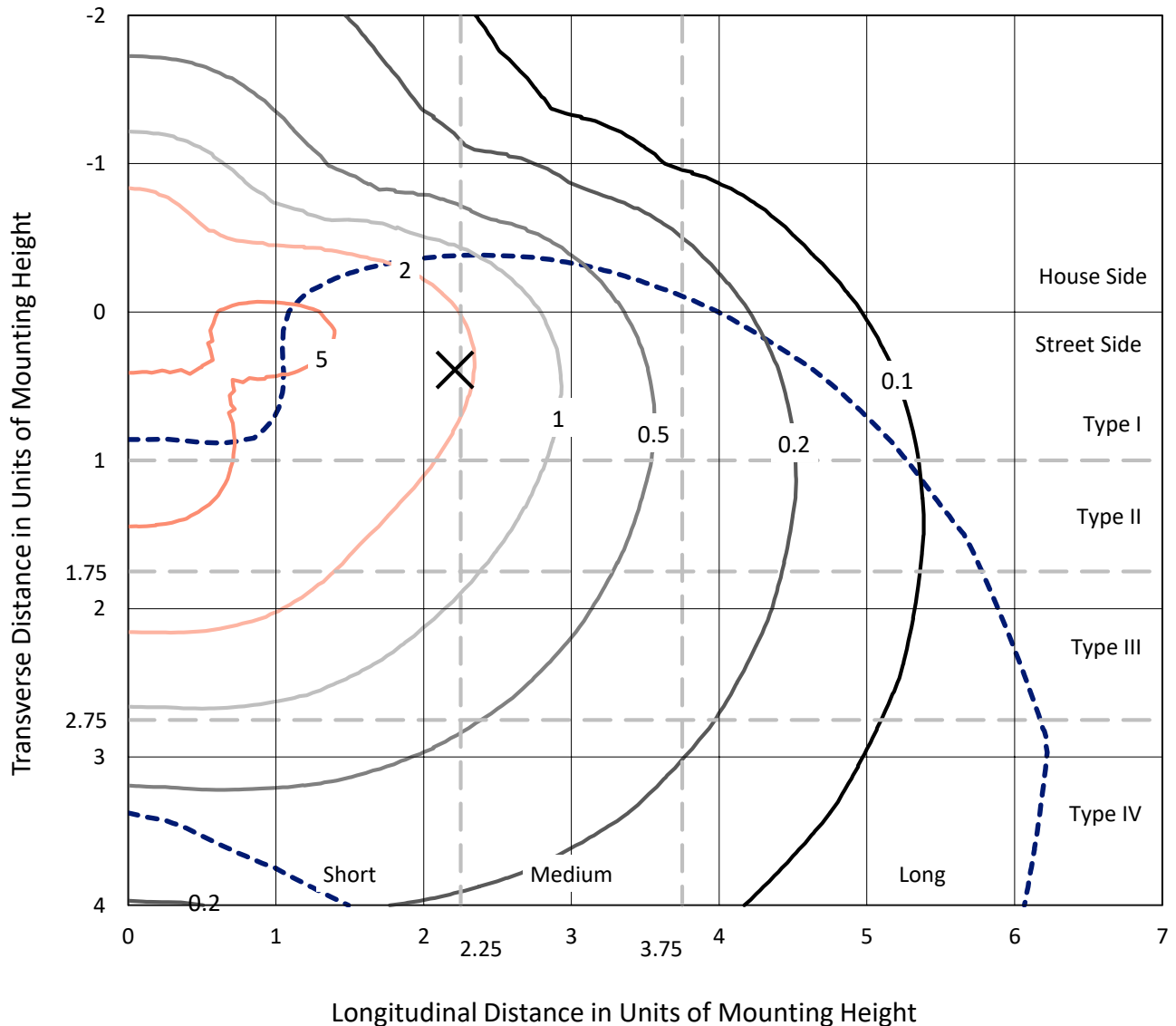


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

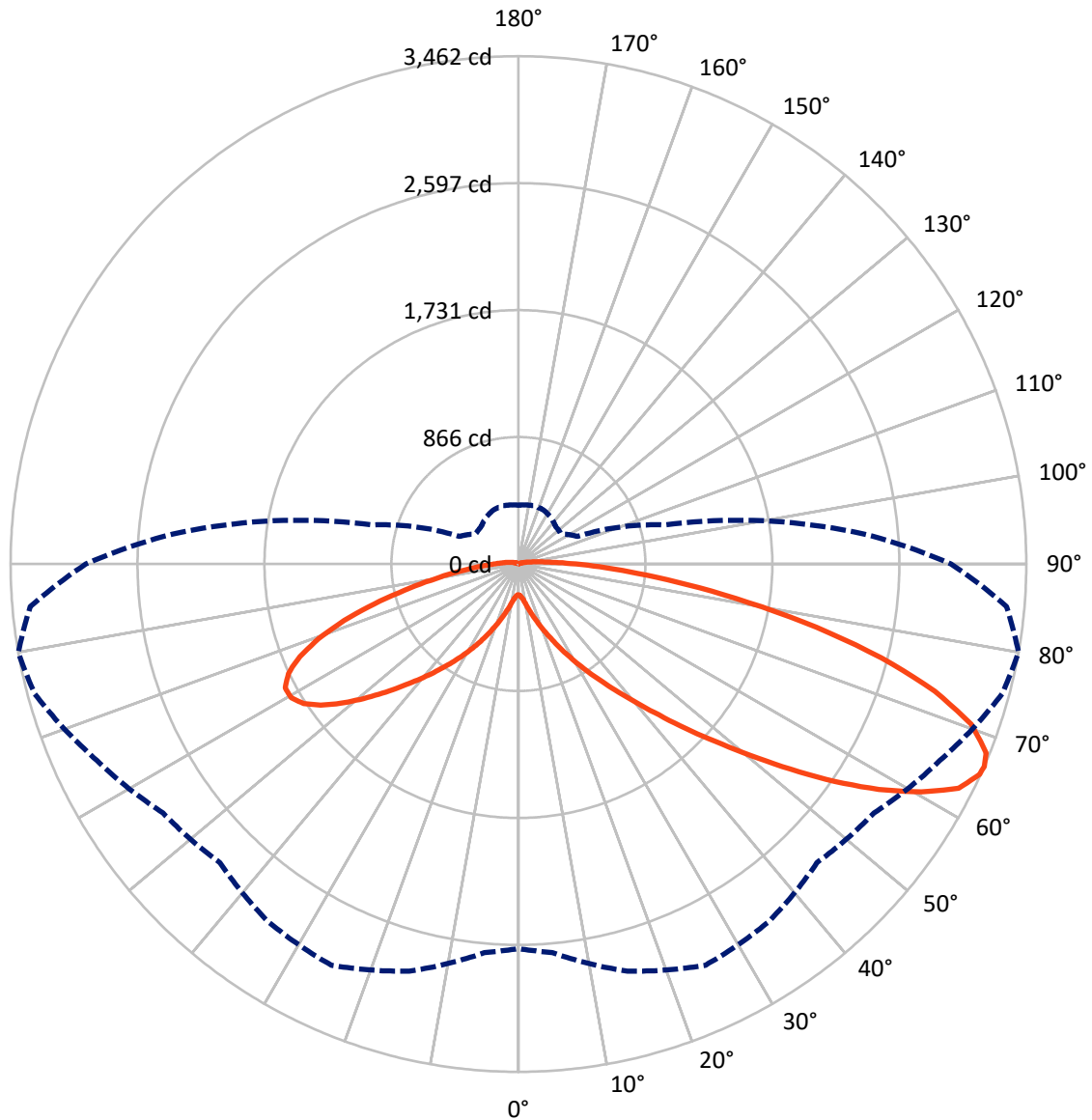


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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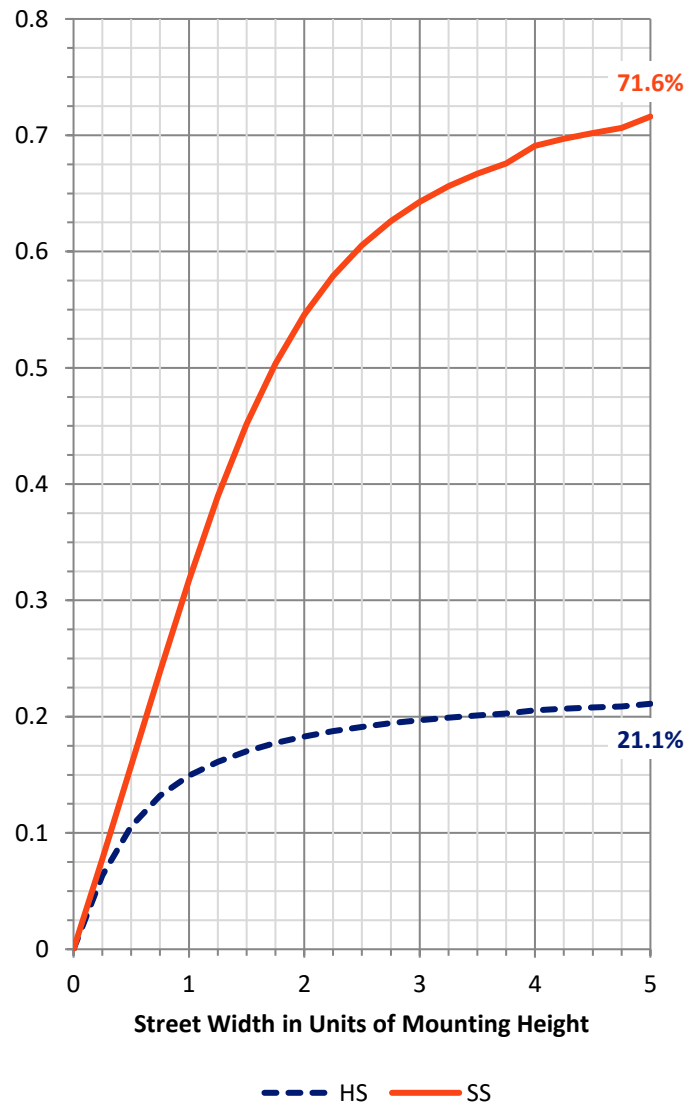
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1634.8	105.4	1740.2
	% Fixture	22.2	1.4	23.6
<b>Street Side</b>	Lumens	5490.4	141.1	5631.5
	% Fixture	74.5	1.9	76.4
<b>Total</b>	Lumens	7125.2	246.5	7371.7
	% Fixture	96.7	3.3	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.7	0.3
10°-20°	100.1	1.4
20°-30°	255.5	3.5
30°-40°	505.6	6.9
40°-50°	876.4	11.9
50°-60°	1397.4	19.0
60°-70°	1816.7	24.6
70°-80°	1502.6	20.4
80°-90°	648.3	8.8
90°-100°	169.1	2.3
100°-110°	49.8	0.7
110°-120°	18.6	0.3
120°-130°	6.4	0.1
130°-140°	2.1	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7125.2	96.7
0°-180°	7371.7	100.0

**Coefficient of Utilization**



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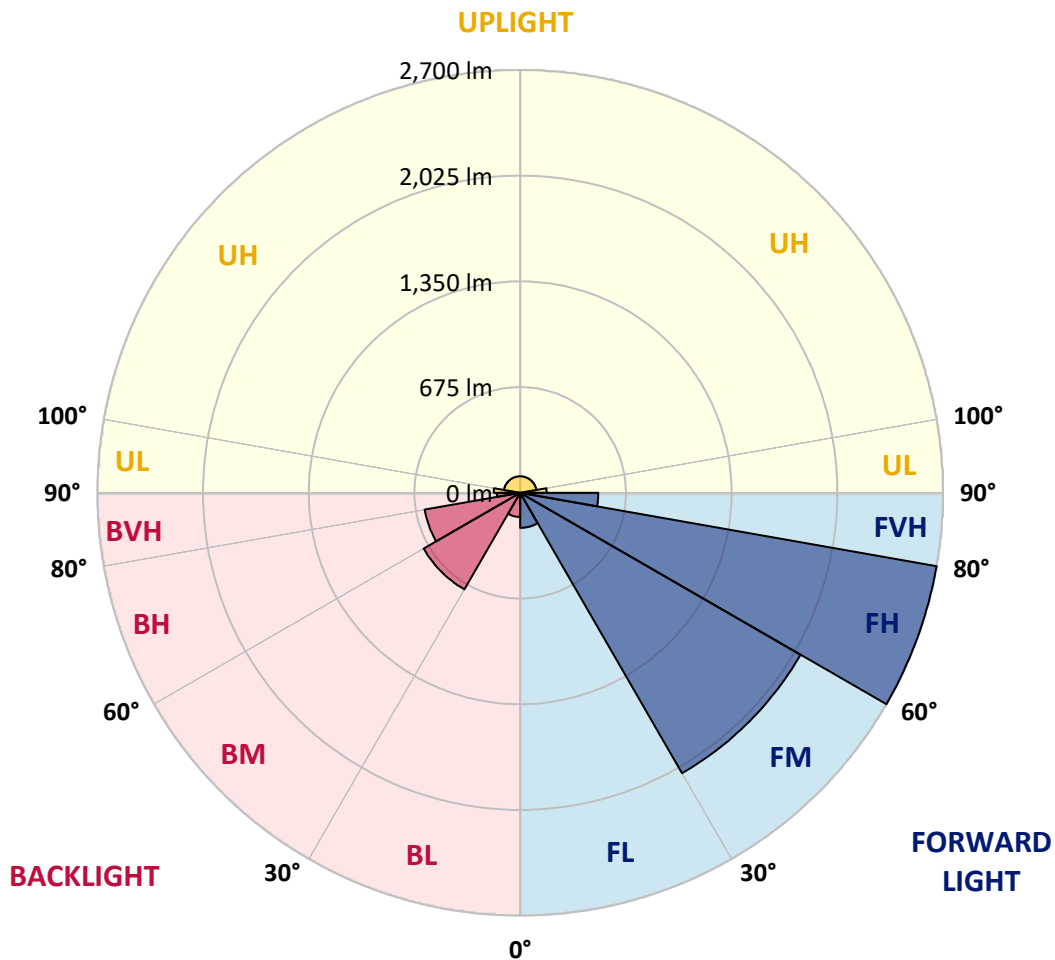
CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T4W-TL-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.9	3.0			
FM	(30°-60°)	2067.3	28.0			
FH	(60°-80°)	2700.2	36.6			G2/5000
FVH	(80°-90°)	498.9	6.8			G3/500
BL	(0°-30°)	154.3	2.1	B1/500		
BM	(30°-60°)	712.0	9.7	B1/1000		
BH	(60°-80°)	619.1	8.4	B2/1000		G2/1000
BVH	(80°-90°)	149.4	2.0			G2/225
UL	(90°-100°)	169.1	2.3		U3/500	
UH	(100°-180°)	105.4	1.4		U3/500	

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9
2.5°	225.9	225.1	225.9	225.9	225.1	224.2	221.5	219.7	217.1	215.2	214.3
5°	244.5	243.6	243.6	243.6	242.8	241.0	237.4	234.0	230.3	227.7	226.8
7.5°	271.1	268.4	268.4	267.5	265.8	263.1	258.7	255.1	251.7	247.2	245.4
10°	307.4	305.7	302.9	301.2	296.7	294.1	288.8	284.4	281.8	278.2	274.7
12.5°	350.8	353.5	351.7	344.6	339.4	334.9	327.8	325.1	322.6	318.1	315.4
15°	407.5	409.2	405.0	397.8	389.0	383.6	376.5	370.3	368.5	363.3	359.7
17.5°	472.2	475.8	468.7	458.1	446.6	434.1	428.9	422.7	420.0	414.6	411.1
20°	549.2	552.9	543.1	527.1	510.4	492.5	486.4	479.3	478.4	473.1	470.5
22.5°	639.7	642.3	627.2	604.2	580.2	557.2	547.5	540.4	541.3	536.9	536.0
25°	744.2	745.0	723.9	693.7	657.4	626.4	613.1	609.5	613.1	610.4	608.7
27.5°	862.0	861.2	841.7	794.8	739.8	697.3	681.3	682.3	690.2	691.9	691.9
30°	992.3	995.8	963.0	901.9	830.2	771.7	754.9	758.4	781.4	781.4	781.4
32.5°	1143.7	1142.9	1105.7	1017.1	927.6	855.8	833.6	837.3	865.6	878.9	874.4
35°	1313.0	1311.2	1265.1	1151.7	1033.9	945.3	915.1	932.0	971.0	986.1	982.6
37.5°	1494.5	1494.5	1440.6	1301.5	1150.0	1042.8	1010.0	1028.5	1083.6	1108.3	1095.0
40°	1680.6	1681.5	1617.8	1470.7	1281.9	1149.1	1111.8	1144.6	1221.7	1245.7	1236.9
42.5°	1866.7	1861.3	1802.0	1638.2	1423.7	1268.7	1223.4	1278.5	1372.3	1406.0	1393.6
45°	2054.5	2051.1	1996.9	1814.5	1578.8	1398.1	1351.1	1422.0	1544.3	1598.3	1585.9
47.5°	2236.1	2236.1	2185.6	1991.6	1747.0	1545.2	1502.6	1590.3	1745.3	1804.8	1807.3
50°	2407.1	2409.8	2366.3	2185.6	1919.0	1707.2	1670.0	1784.3	1986.4	2051.1	2055.3
52.5°	2566.6	2573.7	2545.3	2387.7	2111.2	1888.0	1861.3	1990.7	2227.2	2322.1	2333.6
55°	2708.3	2711.0	2707.5	2575.5	2308.7	2077.6	2068.8	2223.8	2514.4	2616.2	2616.2
57.5°	2807.6	2823.6	2856.4	2749.1	2514.4	2284.8	2283.1	2465.7	2777.5	2898.8	2891.8
60°	2852.8	2870.5	2953.9	2904.1	2704.8	2493.1	2511.7	2718.2	3057.4	3154.9	3148.7
62.5°	2824.5	2847.4	2983.0	3007.8	2856.4	2687.1	2722.5	2944.9	3254.1	3368.4	3299.3
65°	2693.3	2727.0	2916.5	3030.9	2956.4	2835.1	2902.4	3122.9	3388.7	3456.1	3351.5
66°	2621.5	2658.8	2873.2	3017.5	2975.9	2878.4	2958.2	3169.9	3414.5	3462.3	3340.9
67.5°	2501.9	2532.1	2777.5	2969.7	2984.8	2936.9	3024.7	3216.0	3407.4	3439.3	3283.3
70°	2222.9	2260.0	2531.2	2820.8	2939.6	2974.1	3070.7	3210.7	3320.6	3276.2	3069.0
72.5°	1883.5	1942.0	2211.3	2564.9	2796.9	2917.4	3022.8	3094.7	3090.2	2969.7	2722.5
75°	1499.9	1536.3	1821.6	2204.3	2529.4	2753.6	2859.0	2846.5	2735.9	2555.1	2277.8
77.5°	1119.8	1156.2	1409.6	1786.9	2159.1	2442.6	2538.3	2484.2	2278.7	2078.4	1810.0
80°	788.6	820.4	1032.2	1384.8	1744.5	2036.8	2116.6	2039.5	1787.8	1589.4	1360.9
82.5°	537.8	552.0	729.1	1034.8	1360.0	1608.9	1686.0	1586.8	1346.6	1157.9	979.8
85°	330.5	350.8	495.3	737.1	1000.3	1191.6	1251.9	1173.9	967.5	816.8	675.1
87.5°	193.2	204.7	306.6	497.0	719.4	876.3	907.2	834.5	663.5	552.9	448.3
90°	103.7	112.5	176.4	310.1	488.2	606.0	629.0	561.7	434.1	352.6	287.1
92.5°	61.1	66.4	105.4	187.0	312.7	398.7	414.6	360.5	272.8	225.9	187.8
95°	39.9	43.3	69.1	116.9	192.3	252.5	260.5	223.2	172.7	148.8	130.2
97.5°	29.3	31.0	49.6	79.8	121.4	155.0	161.2	138.2	114.2	102.8	93.0
100°	23.1	24.8	38.1	58.5	81.5	100.1	101.9	90.3	78.8	72.6	69.1
102.5°	19.4	20.4	31.0	46.1	61.1	70.9	71.8	63.8	55.8	52.2	51.4
105°	16.8	17.7	26.6	38.1	48.7	54.9	54.9	47.8	40.8	38.1	39.0
107.5°	14.2	15.1	22.2	31.9	40.8	45.3	44.2	37.2	30.1	27.5	28.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
110°	12.4	13.3	19.4	27.5	35.4	38.1	36.3	29.3	21.3	19.4	20.4
112.5°	11.5	11.5	16.8	23.9	30.1	31.9	29.3	22.2	15.1	14.2	15.1
115°	9.8	10.6	14.2	20.4	24.8	26.6	23.9	16.8	10.6	10.6	11.5
117.5°	8.8	9.8	12.4	16.8	21.3	22.2	19.4	13.3	7.9	7.9	8.8
120°	7.9	7.9	10.6	14.2	17.7	17.7	15.1	9.8	6.2	6.2	7.1
122.5°	7.1	7.9	8.8	11.5	14.2	14.2	11.5	7.1	5.4	5.4	6.2
125°	6.2	7.1	7.9	9.8	11.5	11.5	8.8	5.4	4.5	5.4	5.4
127.5°	6.2	6.2	7.1	7.9	9.8	8.8	7.1	3.5	4.5	4.5	5.4
130°	5.4	5.4	6.2	6.2	7.1	7.1	5.4	3.5	3.5	4.5	4.5
132.5°	4.5	4.5	5.4	5.4	6.2	5.4	3.5	2.6	3.5	3.5	4.5
135°	3.5	3.5	3.5	4.5	4.5	3.5	2.6	2.6	3.5	3.5	3.5
137.5°	3.5	2.6	3.5	3.5	2.6	1.7	1.7	1.7	2.6	3.5	3.5
140°	1.7	1.7	1.7	1.7	1.7	0.9	0.9	1.7	2.6	2.6	3.5
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	2.6	2.6
145°	0.0	0.0	0.9	0.9	0.0	0.0	0.9	0.9	1.7	1.7	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.7	1.7	1.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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°	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9	210.9
2.5°	213.5	212.6	210.0	208.2	206.4	204.7	204.7	204.7	203.8	202.9	202.9
5°	225.1	223.2	219.7	216.3	211.8	208.2	206.4	205.5	203.8	202.0	202.0
7.5°	243.6	241.0	234.8	227.7	223.2	218.0	216.3	214.3	211.8	210.0	209.1
10°	271.9	267.5	257.9	249.0	240.1	233.0	230.3	228.6	226.8	226.8	226.8
12.5°	310.1	304.8	292.4	276.4	265.8	255.1	251.7	250.7	251.7	252.5	252.5
15°	354.3	345.5	329.5	308.3	293.3	281.8	278.2	278.2	279.9	280.8	280.8
17.5°	405.8	395.1	368.5	343.7	323.4	311.0	305.7	305.7	309.2	311.0	311.8
20°	459.8	448.3	418.1	378.2	352.6	338.4	332.2	333.1	337.5	342.0	342.8
22.5°	521.8	508.5	463.4	414.6	381.0	362.3	355.3	358.0	365.0	371.3	373.0
25°	592.7	575.9	516.5	453.7	406.7	381.9	376.5	381.9	392.5	400.4	401.3
27.5°	669.8	648.6	570.6	489.1	426.1	394.2	390.7	401.3	413.8	423.5	425.2
30°	755.7	729.1	627.2	520.1	441.2	404.0	400.4	414.6	429.7	441.2	442.9
32.5°	851.4	815.1	682.3	546.7	450.0	407.5	405.8	422.7	441.2	452.8	454.5
35°	955.0	907.2	740.7	567.9	453.7	406.7	405.8	425.2	444.8	456.2	457.1
37.5°	1070.2	1011.7	796.5	583.9	452.8	403.0	403.0	423.5	442.1	452.8	452.8
40°	1203.2	1125.2	857.5	594.5	448.3	396.9	397.8	416.4	434.1	441.2	442.1
42.5°	1354.6	1256.3	913.4	599.0	439.4	389.8	389.8	408.4	422.7	426.1	426.1
45°	1528.3	1402.5	974.6	597.9	430.6	381.9	382.7	398.7	409.2	410.2	409.2
47.5°	1736.4	1571.7	1032.2	594.5	418.1	373.8	376.5	390.7	398.7	397.8	396.9
50°	1965.0	1754.1	1088.9	586.5	407.5	368.5	372.1	385.3	392.5	389.8	388.1
52.5°	2212.3	1944.7	1139.3	574.0	396.1	364.2	370.3	383.6	389.8	385.3	385.3
55°	2468.2	2133.4	1179.2	555.5	386.2	361.4	371.3	383.6	390.7	386.2	386.2
57.5°	2700.4	2295.5	1197.8	534.3	378.2	360.5	373.0	388.1	394.2	390.7	390.7
60°	2883.0	2408.9	1185.4	509.4	370.3	359.7	376.5	393.4	400.4	396.1	396.1
62.5°	2991.8	2459.4	1141.1	482.8	364.2	360.5	381.9	401.3	406.7	401.3	399.6
65°	2987.4	2407.1	1066.7	454.5	358.0	360.5	385.3	405.8	410.2	404.0	401.3
66°	2948.5	2361.9	1028.5	443.8	356.1	359.7	386.2	405.8	411.1	404.0	401.3
67.5°	2874.9	2268.9	965.8	426.9	351.7	358.8	387.3	406.7	410.2	404.0	400.4
70°	2642.8	2062.5	847.9	398.7	343.7	354.3	384.5	404.0	406.7	401.3	397.8
72.5°	2295.5	1769.2	728.2	370.3	333.1	344.6	377.4	395.1	399.6	394.2	390.7
75°	1886.3	1435.2	608.7	342.8	317.2	330.5	363.3	381.0	386.2	381.9	377.4
77.5°	1466.3	1098.6	494.4	316.3	298.6	312.7	343.7	359.7	365.0	359.7	357.1
80°	1088.0	812.5	396.9	287.9	277.3	290.6	319.8	334.0	339.4	333.1	331.4
82.5°	780.5	589.1	316.3	257.0	251.7	264.0	290.6	302.9	307.4	303.8	297.7
85°	521.8	405.8	249.8	223.2	224.2	235.7	257.9	265.8	271.1	267.5	262.2
87.5°	353.5	278.2	197.5	189.6	192.3	200.3	220.6	226.8	230.3	225.9	225.1
90°	230.3	192.3	156.8	160.4	163.9	170.1	182.5	185.2	189.6	185.2	184.3
92.5°	156.8	140.8	127.7	133.8	138.2	142.7	149.6	151.6	155.0	151.6	149.6
95°	115.2	108.9	103.7	111.7	116.1	118.8	123.1	122.3	124.9	121.4	119.6
97.5°	87.7	84.1	85.0	92.1	96.5	98.4	100.1	98.4	99.2	95.7	94.0
100°	68.2	66.4	69.1	76.2	79.8	79.8	80.7	78.8	77.0	73.5	70.9
102.5°	52.2	52.2	55.8	63.0	65.5	65.5	64.7	62.1	59.3	55.8	55.8
105°	39.9	40.8	46.1	52.2	54.1	53.2	53.2	49.6	46.1	41.6	41.6
107.5°	30.1	31.0	36.3	42.5	44.2	44.2	42.5	39.0	34.5	31.0	31.0



REPORT NUMBER: P255171

CATALOG NUMBER: LXF.LXT-AF24-80-D-U-T4W-TL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.2	23.9	29.3	34.5	36.3	35.4	34.5	30.1	25.6	23.1	22.2
112.5°	16.8	17.7	23.1	27.5	29.3	29.3	27.5	23.1	18.6	16.8	16.8
115°	12.4	14.2	17.7	22.2	23.1	23.1	21.3	17.7	13.3	11.5	12.4
117.5°	9.8	10.6	14.2	17.7	17.7	17.7	16.0	12.4	9.8	8.8	8.8
120°	7.9	8.8	10.6	13.3	13.3	13.3	11.5	8.8	7.1	6.2	7.1
122.5°	6.2	7.1	7.9	9.8	9.8	9.8	8.8	6.2	4.5	4.5	5.4
125°	6.2	6.2	6.2	7.1	7.1	7.1	6.2	4.5	3.5	3.5	3.5
127.5°	5.4	5.4	5.4	5.4	5.4	4.5	3.5	2.6	1.7	2.6	2.6
130°	5.4	5.4	4.5	4.5	3.5	2.6	1.7	0.9	0.9	1.7	1.7
132.5°	4.5	4.5	4.5	3.5	2.6	1.7	0.9	0.0	0.0	0.9	0.9
135°	4.5	4.5	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0
137.5°	3.5	3.5	3.5	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.5	3.5	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.6	2.6	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.7	1.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	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

(END OF REPORT)