

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: P254639

Luminaire Tested: **LXF.LXT-AF24-70-D-U-T4W-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254639  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-25)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-70-D-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7223 lumens  
Efficiency: N/A  
Efficacy: 97.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G2

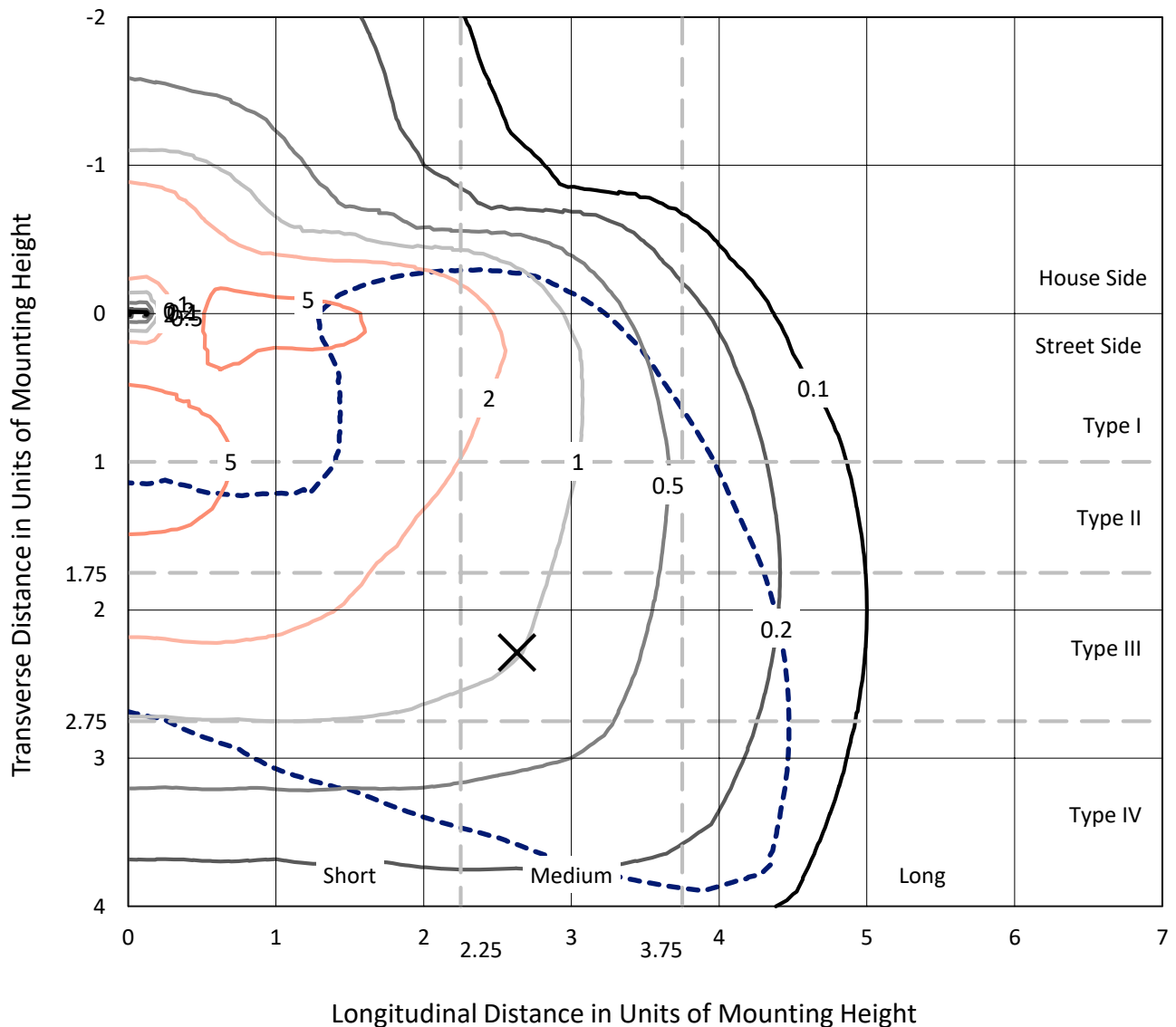
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

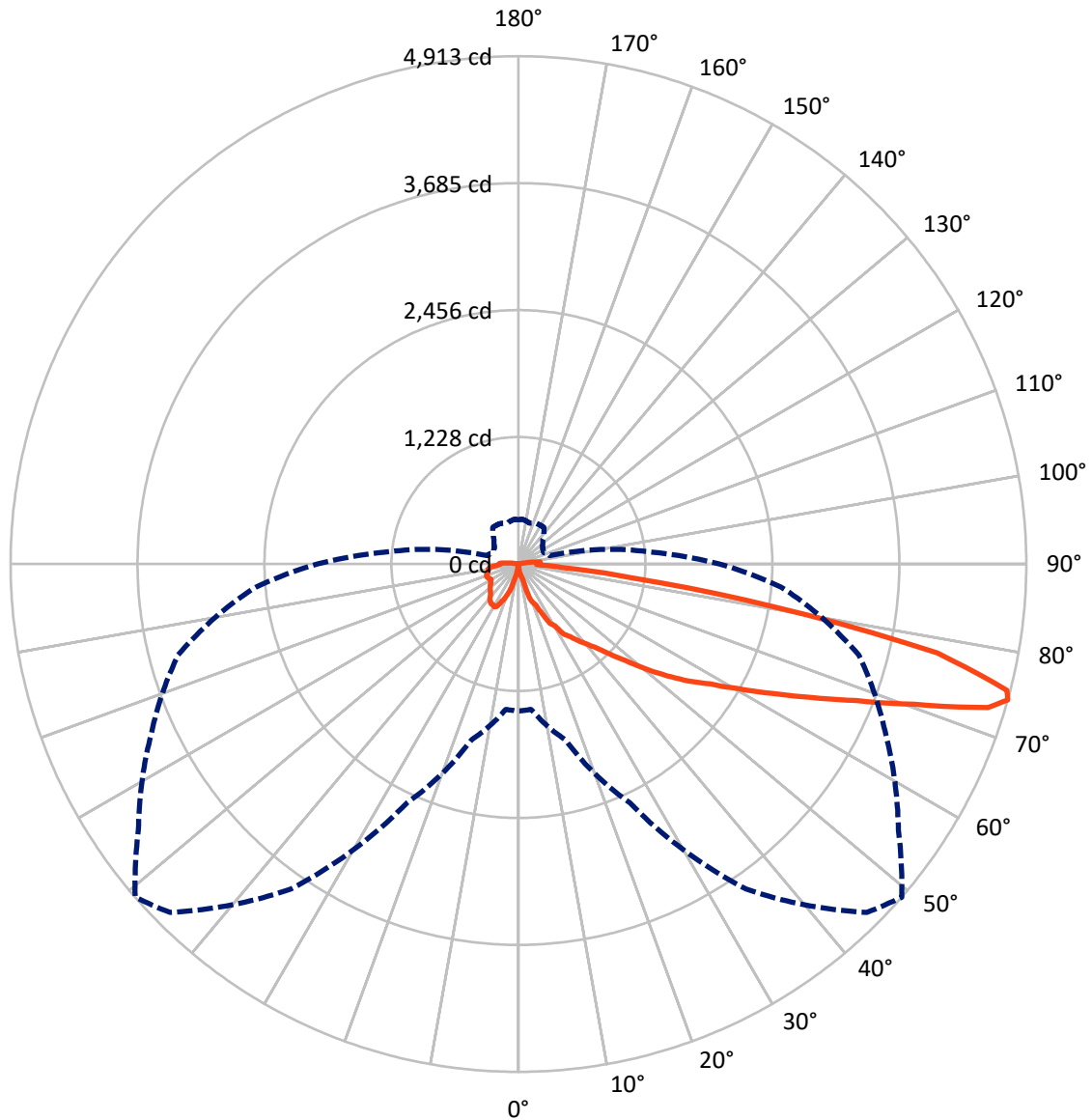


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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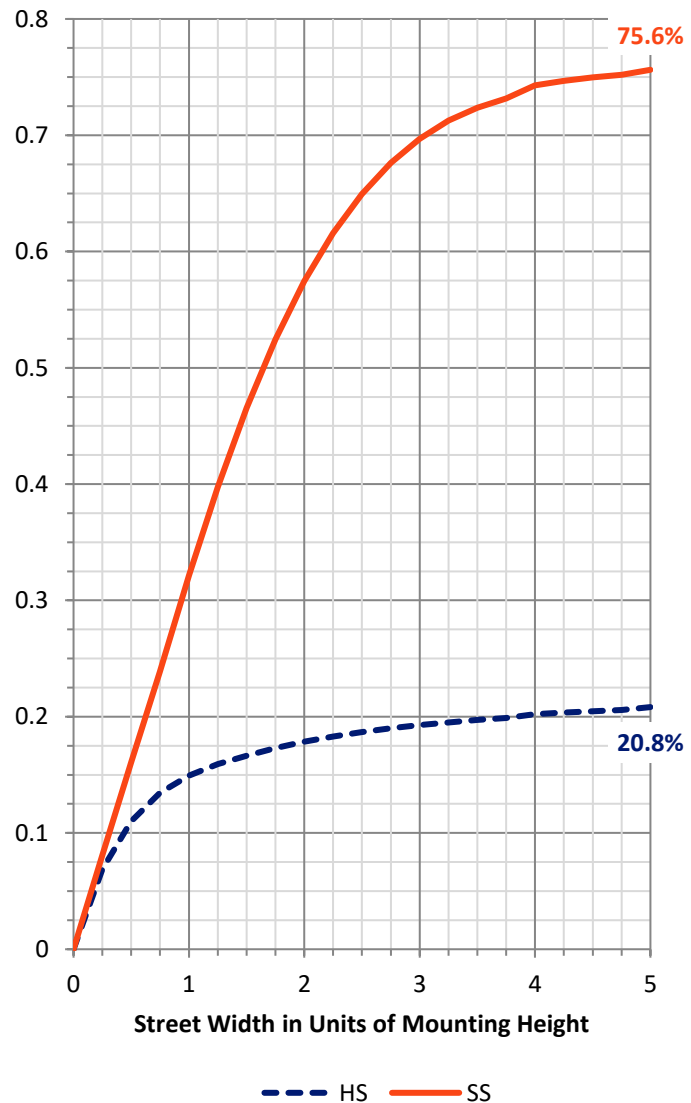
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1592.9	68.4	1661.4
	% Fixture	22.1	0.9	23.0
<b>Street Side</b>	Lumens	5504.3	57.3	5561.7
	% Fixture	76.2	0.8	77.0
<b>Total</b>	Lumens	7097.3	125.8	7223.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	65.0	0.9
20°-30°	246.5	3.4
30°-40°	523.9	7.3
40°-50°	861.2	11.9
50°-60°	1388.9	19.2
60°-70°	2006.8	27.8
70°-80°	1647.6	22.8
80°-90°	353.4	4.9
90°-100°	113.8	1.6
100°-110°	9.0	0.1
110°-120°	1.3	0.0
120°-130°	0.9	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7097.3	98.3
0°-180°	7223.0	100.0

**Coefficient of Utilization**



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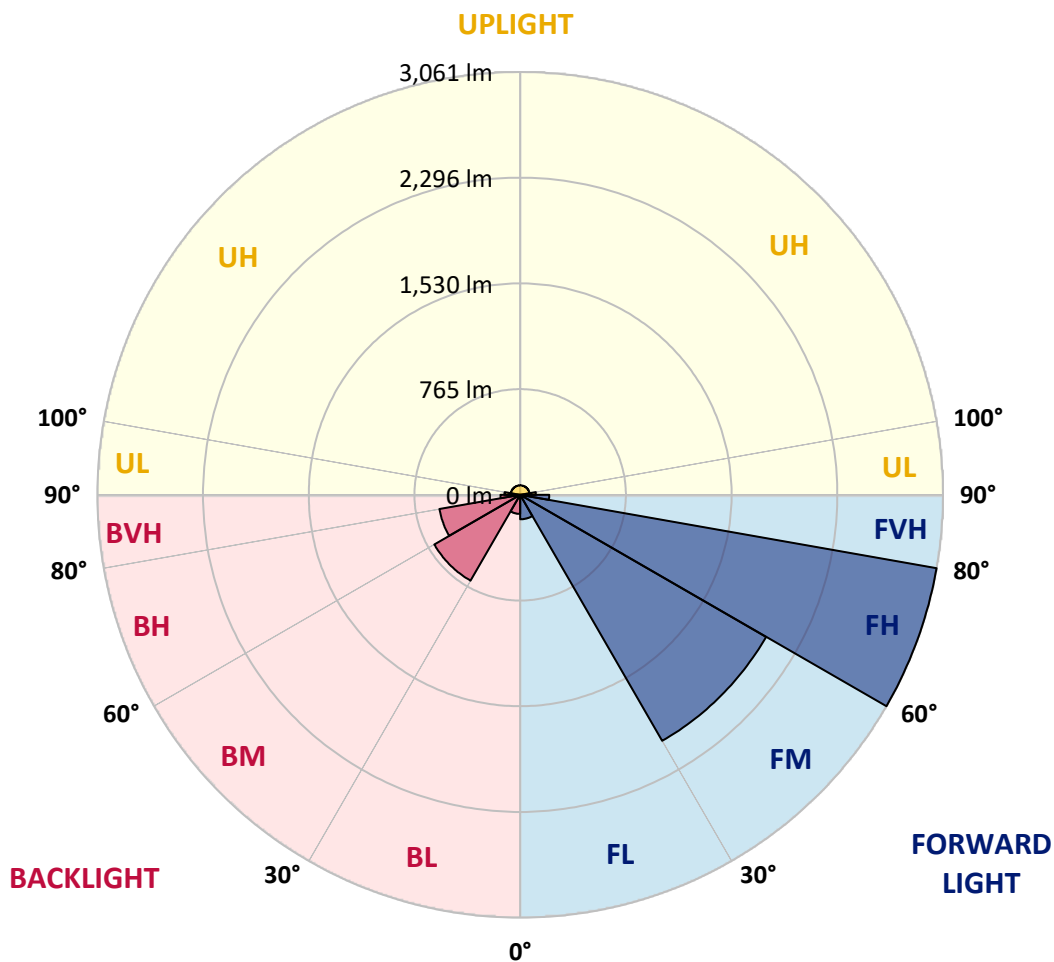
CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.0	2.5			
FM (30°-60°)	2056.2	28.5			
FH (60°-80°)	3060.8	42.4			G2/5000
FVH (80°-90°)	210.3	2.9			G2/225
BL (0°-30°)	138.5	1.9	B1/500		
BM (30°-60°)	717.8	9.9	B1/1000		
BH (60°-80°)	593.6	8.2	B2/1000		G2/1000
BVH (80°-90°)	143.0	2.0			G2/225
UL (90°-100°)	113.8	1.6		U3/500	
UH (100°-180°)	68.4	0.9		U3/500	

**BUG Rating: B2-U3-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	6.0	5.1	4.3	3.5	3.5	2.6	2.6	2.6	3.5	3.5	3.5
5°	96.1	95.1	86.5	82.2	33.5	20.6	18.0	11.2	4.3	3.5	3.5
7.5°	114.1	112.3	109.8	114.9	107.1	93.4	85.7	49.7	13.7	4.3	3.5
10°	150.9	149.1	136.3	132.9	120.9	110.6	104.5	97.7	41.1	8.6	6.0
12.5°	285.5	276.0	268.3	227.2	153.4	124.3	123.5	115.7	96.9	87.5	106.3
15°	322.3	313.7	300.8	298.3	272.6	164.6	150.9	208.3	246.8	185.2	189.5
17.5°	365.2	369.5	352.3	316.3	294.0	314.6	346.4	306.1	270.9	225.5	228.8
20°	514.3	510.9	497.2	456.0	372.9	405.5	394.3	387.5	316.3	416.6	404.6
22.5°	534.1	533.2	526.3	501.5	535.7	432.1	428.6	477.5	470.7	479.2	462.1
25°	700.3	707.2	685.0	537.5	564.1	552.1	532.3	580.3	526.3	530.6	591.5
27.5°	733.8	730.4	718.3	688.3	596.6	654.1	649.0	615.5	683.2	720.1	724.4
30°	923.2	899.3	776.6	748.4	720.1	685.0	694.4	732.9	762.9	752.7	794.6
32.5°	1015.0	1008.9	989.2	877.8	779.2	758.6	808.3	822.0	805.0	953.3	1026.1
35°	1321.0	1293.5	1135.8	972.9	868.4	857.2	862.3	861.5	979.0	1005.6	1105.8
37.5°	1704.1	1668.1	1543.8	1193.3	948.1	897.5	940.4	984.1	1024.4	1101.5	1178.6
40°	1928.8	1910.0	1810.5	1475.3	1105.8	976.4	1018.3	1039.8	1092.9	1156.4	1285.8
42.5°	2101.0	2099.4	2036.8	1674.2	1321.0	1101.5	1109.3	1111.8	1151.2	1254.1	1407.6
45°	2218.5	2216.8	2228.0	1861.1	1526.8	1243.8	1244.7	1213.8	1242.2	1375.9	1576.5
47.5°	2364.2	2338.6	2364.2	2059.1	1705.1	1412.7	1397.2	1325.2	1384.5	1544.8	1811.3
50°	2510.0	2486.0	2496.3	2214.2	1881.6	1618.4	1591.0	1495.0	1576.5	1757.3	2102.0
52.5°	2700.3	2669.4	2623.2	2378.0	2120.8	1832.7	1794.2	1716.2	1791.6	2024.8	2468.8
55°	2840.0	2817.7	2802.3	2610.3	2289.7	2023.1	1996.5	1908.2	2112.2	2323.9	2860.6
57.5°	2948.9	2957.5	3004.6	2894.8	2606.9	2232.2	2189.3	2152.5	2414.8	2678.0	3280.6
60°	3063.7	3047.5	3163.2	3159.8	2875.1	2442.3	2450.8	2445.7	2723.4	3015.8	3768.3
62.5°	3056.9	3069.8	3278.0	3347.5	3105.8	2722.6	2756.0	2746.5	3039.7	3351.8	4130.2
65°	2780.0	2817.7	3271.2	3429.7	3391.2	3054.3	3110.1	3102.3	3405.8	3638.1	4359.0
67.5°	2598.3	2646.3	3074.1	3496.7	3662.1	3479.5	3524.1	3495.8	3667.3	3797.5	4359.9
70°	2407.9	2441.4	2822.0	3523.2	3954.4	4034.1	4062.4	3887.5	3885.0	3888.4	4002.4
72.5°	1959.7	1964.0	2308.5	3115.2	4081.3	4635.1	4749.0	4365.0	3998.1	3717.8	3215.4
74°	1422.1	1411.0	1762.4	2548.6	3837.8	4766.2	4912.8	4486.8	3922.7	3409.2	2548.6
75°	1026.1	1055.3	1315.8	2061.7	3463.2	4730.2	4880.2	4461.9	3766.7	3096.3	2072.8
77.5°	326.6	337.8	428.6	868.4	2120.8	3876.4	4142.1	3749.5	2868.3	1956.2	1071.5
80°	174.9	182.6	228.8	341.2	889.8	2250.2	2508.3	2178.3	1592.7	983.3	586.4
82.5°	104.5	109.8	150.0	205.7	461.1	934.4	1105.8	906.1	775.8	565.8	409.8
85°	67.7	69.5	87.5	126.8	299.2	367.8	431.2	444.1	442.3	396.9	329.2
87.5°	37.7	38.6	41.1	54.0	137.2	192.8	175.7	215.1	257.2	255.4	291.4
90°	26.6	26.6	22.3	24.0	75.4	193.7	176.6	189.5	170.6	200.6	300.8
92.5°	24.9	25.7	20.6	21.4	60.0	190.3	212.6	211.8	174.9	210.0	302.6
95°	20.6	22.3	16.3	18.0	37.7	162.9	210.8	210.0	154.3	166.3	215.1
97.5°	16.3	17.2	11.2	13.7	22.3	83.2	126.8	120.9	81.4	70.3	84.0
100°	10.3	11.2	6.0	9.4	13.7	27.4	45.4	48.0	37.7	17.2	10.3
102.5°	10.3	11.2	4.3	6.0	6.0	7.7	10.3	8.6	12.0	6.0	8.6
105°	10.3	11.2	3.5	2.6	1.7	2.6	1.7	2.6	4.3	5.1	10.3
107.5°	7.7	8.6	1.7	1.7	0.8	1.7	1.7	1.7	2.6	4.3	9.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
110°	5.1	5.1	0.8	0.8	0.0	1.7	1.7	1.7	2.6	3.5	5.1
112.5°	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	2.6	2.6	3.5
115°	0.8	0.8	0.0	0.0	0.0	0.0	0.8	0.8	1.7	2.6	4.3
117.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6	4.3
120°	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	4.3
122.5°	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	4.3
125°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	4.3
127.5°	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	3.5
130°	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.6	3.5
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
142.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.7	1.7
145°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.8	1.7	1.7	2.6
147.5°	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0	1.7	2.6	2.6
150°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	2.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7	1.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
2.5°	2.6	2.6	1.7	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.6	2.6	1.7	1.7	0.8	0.8	1.7	2.6	4.3	6.0	6.0
7.5°	3.5	2.6	2.6	2.6	2.6	12.0	43.7	76.3	96.1	102.9	101.2
10°	6.0	5.1	5.1	5.1	25.7	84.0	112.3	114.9	123.5	125.1	124.3
12.5°	128.6	109.8	68.5	32.5	90.0	117.4	122.5	131.1	137.2	180.0	188.6
15°	190.3	187.7	182.6	192.8	209.2	134.6	165.4	221.2	250.3	261.5	264.8
17.5°	228.0	224.6	210.0	243.5	258.0	255.4	246.8	264.8	269.1	279.5	278.5
20°	414.1	405.5	361.7	287.1	270.1	339.4	278.5	279.5	347.2	387.5	384.0
22.5°	457.0	452.7	428.6	421.8	363.5	359.2	372.9	382.3	412.4	426.9	425.1
25°	593.2	588.1	476.6	437.2	443.1	380.6	444.9	415.7	428.6	467.2	462.1
27.5°	735.5	723.5	636.1	533.2	444.1	473.2	448.4	490.3	534.1	557.2	559.8
30°	804.0	782.7	680.7	560.7	486.9	468.0	471.5	534.9	542.7	562.3	566.6
32.5°	1062.1	1044.1	867.6	576.0	487.7	447.4	495.5	522.9	605.2	648.0	651.5
35°	1135.0	1119.5	875.2	646.4	470.7	463.8	468.9	544.3	586.4	617.2	622.4
37.5°	1213.8	1187.2	889.8	606.9	484.4	432.1	453.5	494.6	567.5	620.6	634.3
40°	1325.2	1277.3	881.3	565.8	450.0	421.8	420.0	468.9	500.6	526.3	530.6
42.5°	1467.6	1385.3	886.4	527.2	419.2	392.6	399.5	421.8	432.9	434.7	434.7
45°	1642.4	1519.9	908.7	495.5	393.4	378.9	381.5	387.5	389.2	368.6	366.0
47.5°	1878.2	1693.0	927.5	470.7	374.6	369.5	361.7	365.2	358.3	330.9	327.4
50°	2157.6	1899.6	943.8	441.5	357.4	356.6	354.9	342.1	330.0	304.3	300.8
52.5°	2456.8	2143.9	952.4	409.8	343.7	346.4	348.0	326.6	309.4	289.7	288.1
55°	2847.7	2428.5	972.9	380.6	327.4	332.6	342.1	320.6	304.3	291.4	299.2
57.5°	3233.4	2744.0	955.8	354.0	315.5	319.8	334.3	325.7	318.0	318.0	319.8
60°	3607.2	3017.5	849.6	332.6	304.3	309.4	340.3	355.8	354.9	371.2	375.4
62.5°	3858.4	3159.8	692.6	313.7	294.9	314.6	368.6	404.6	398.6	405.5	408.9
65°	3960.5	3151.2	528.0	300.0	288.9	336.9	401.2	436.3	414.1	398.6	395.2
67.5°	3852.4	2961.7	428.6	288.9	288.9	357.4	428.6	438.0	414.1	414.9	408.9
70°	3414.3	2520.2	368.6	277.7	293.2	354.0	442.3	435.5	414.9	429.4	420.9
72.5°	2562.3	1795.9	330.9	270.1	291.4	340.3	434.7	434.7	417.5	445.8	437.2
74°	1943.3	1301.3	314.6	267.5	282.8	333.5	432.1	430.4	410.6	435.5	426.9
75°	1531.1	994.4	304.3	264.0	277.7	329.2	427.8	426.1	407.1	433.7	426.9
77.5°	782.7	519.5	280.3	258.0	264.8	323.2	416.6	417.5	393.4	418.3	413.2
80°	498.9	393.4	249.5	238.3	255.4	324.1	409.8	405.5	378.1	405.5	393.4
82.5°	397.7	324.9	202.3	206.6	243.5	318.9	405.5	385.8	358.3	399.5	358.3
85°	318.9	273.4	139.7	152.6	216.0	293.2	386.6	345.5	317.2	323.2	318.0
87.5°	269.1	221.2	66.0	99.4	168.9	224.6	287.1	267.5	246.0	256.4	245.2
90°	272.6	212.6	47.2	76.3	152.6	186.9	228.8	200.6	188.6	192.0	185.2
92.5°	264.8	203.2	48.0	63.4	149.1	204.9	241.7	204.9	180.9	174.0	168.0
95°	179.1	140.6	44.6	49.7	95.1	161.1	195.5	155.2	126.0	111.4	107.1
97.5°	68.5	61.7	38.6	41.1	49.7	85.7	113.1	99.4	67.7	48.9	46.3
100°	10.3	17.2	31.7	38.6	29.2	32.5	47.2	53.2	34.3	3.5	2.6
102.5°	11.2	9.4	12.9	29.2	17.2	6.9	14.5	29.2	18.8	1.7	1.7
105°	12.9	10.3	5.1	12.9	4.3	0.8	0.8	6.0	4.3	0.8	1.7
107.5°	11.2	9.4	3.5	2.6	0.8	0.8	0.0	0.0	0.0	0.8	1.7



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CATALOG NUMBER: LXF.LXT-AF24-70-D-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.0	6.0	3.5	1.7	0.8	0.8	0.0	0.0	0.0	1.7	1.7
112.5°	4.3	4.3	2.6	1.7	0.8	0.0	0.0	0.0	0.0	1.7	2.6
115°	5.1	4.3	2.6	0.8	0.0	0.0	0.0	0.0	0.0	2.6	2.6
117.5°	5.1	5.1	2.6	0.8	0.0	0.0	0.0	0.0	0.0	2.6	3.5
120°	5.1	5.1	2.6	0.8	0.0	0.0	0.0	0.0	0.0	2.6	2.6
122.5°	5.1	4.3	2.6	0.8	0.0	0.0	0.0	0.0	0.0	1.7	2.6
125°	4.3	4.3	2.6	0.8	0.0	0.0	0.0	0.0	0.0	1.7	1.7
127.5°	4.3	4.3	2.6	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.7
130°	3.5	3.5	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
132.5°	2.6	2.6	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.6	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.6	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.7	1.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	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

(END OF REPORT)