

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: P254695

Luminaire Tested: **LXF.LXT-AF24-90-D-U-SL3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254695  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-26)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8212.2 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

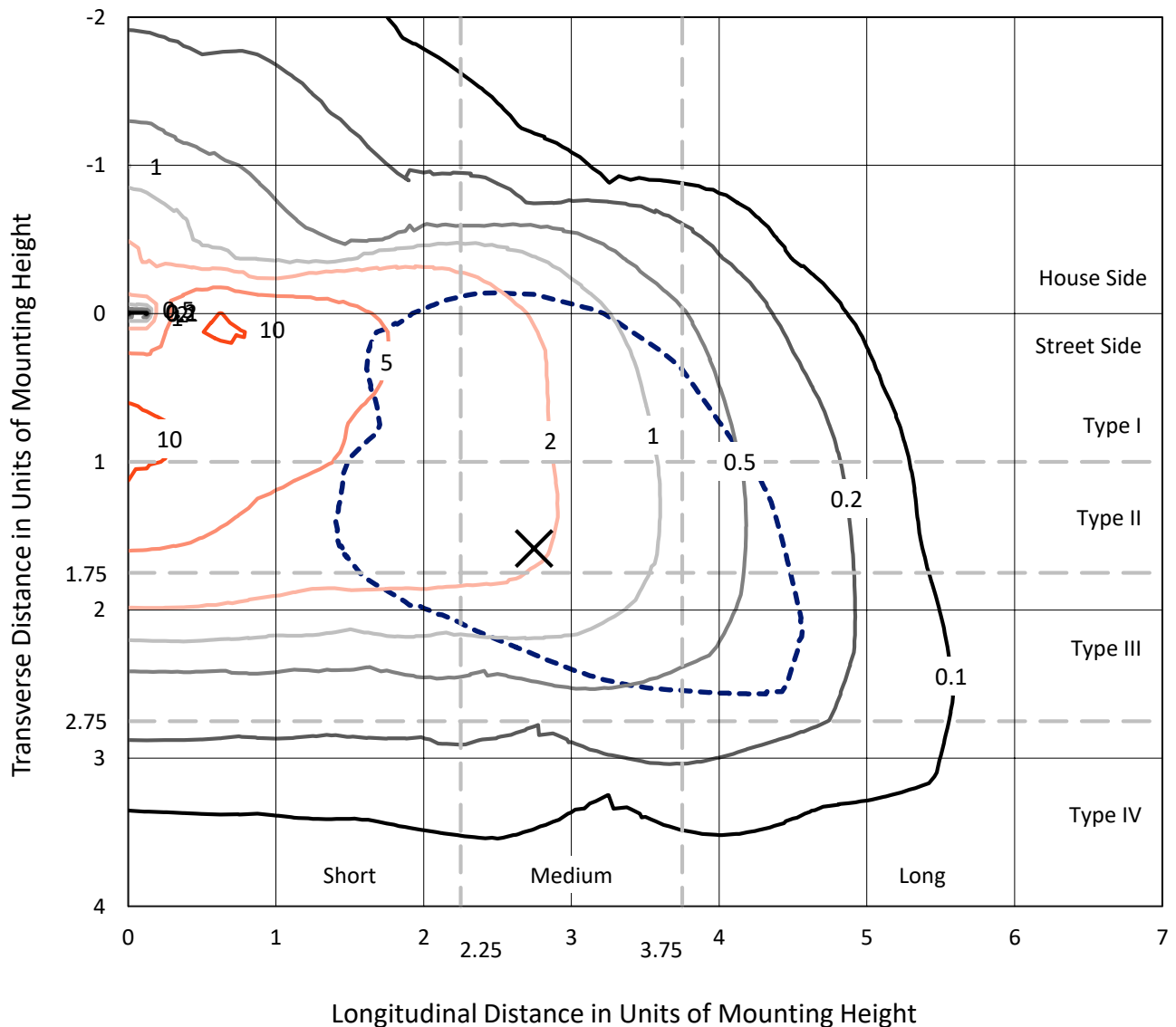
Input Watts (W): 94  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

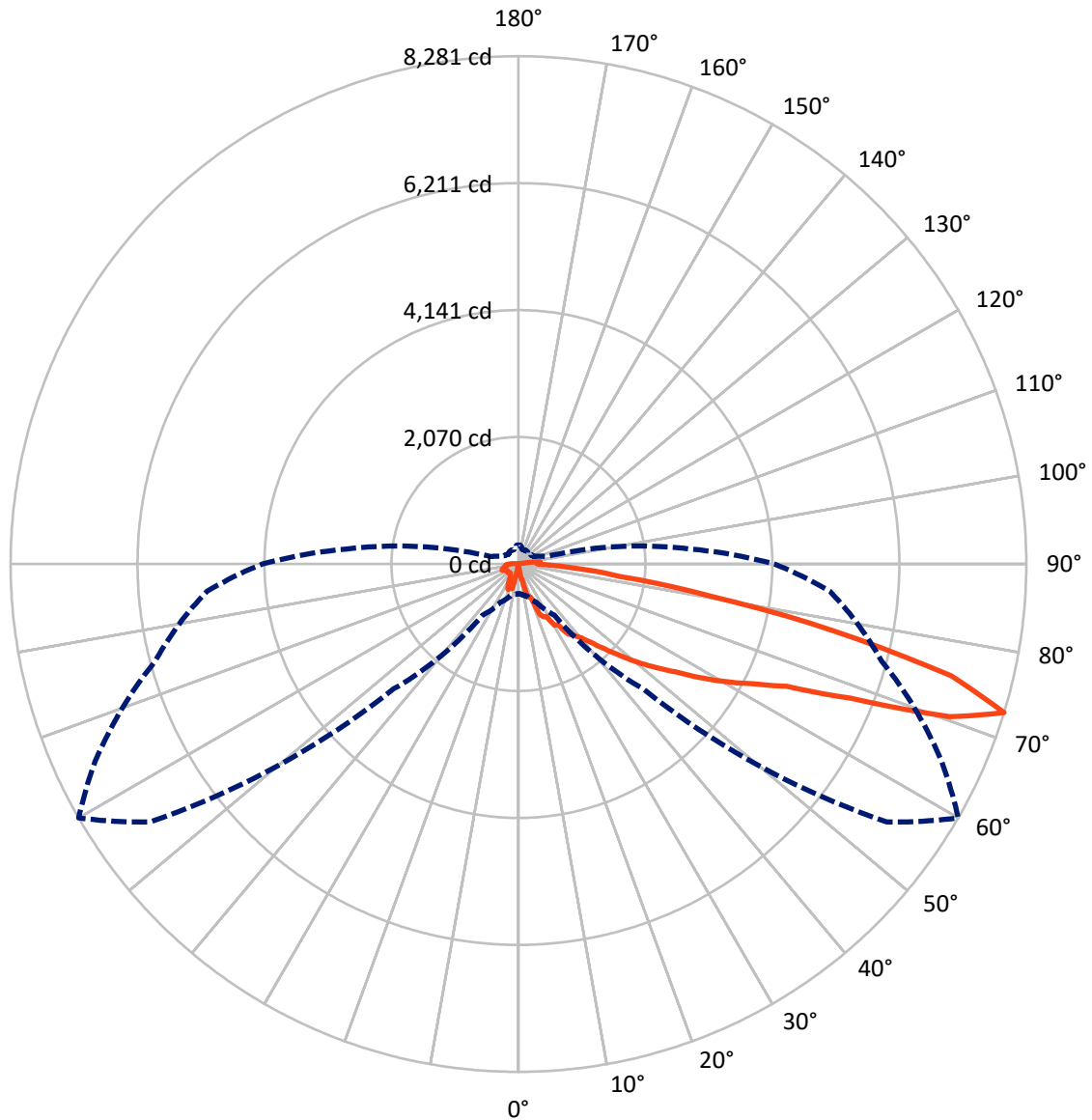
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.4 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical



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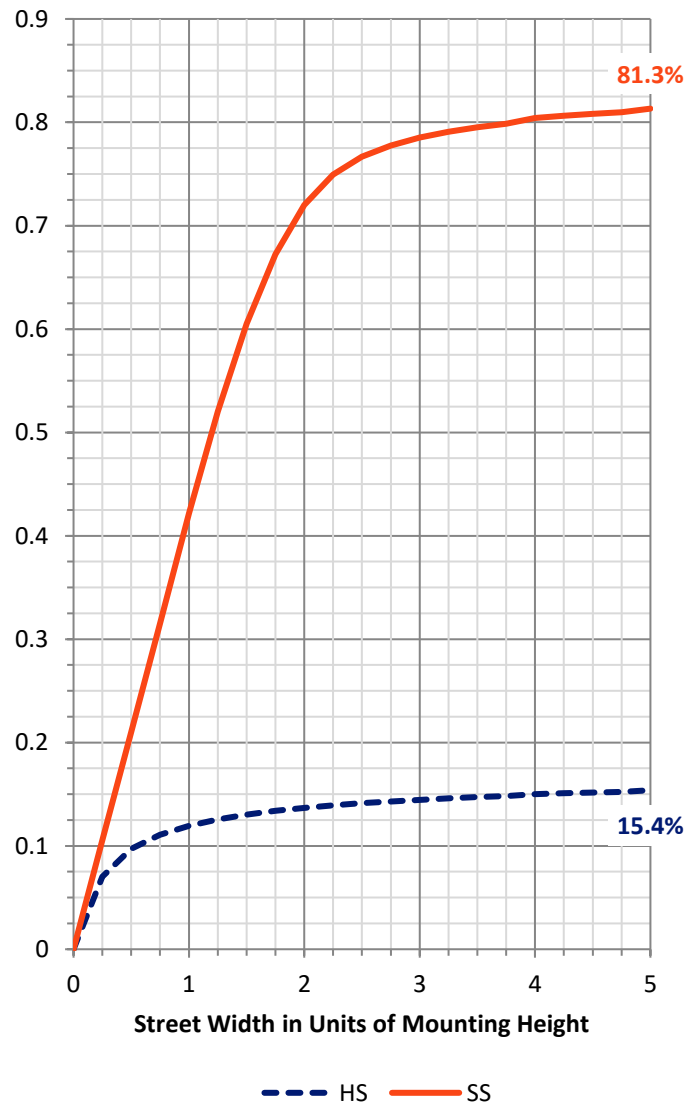
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1332.6	53.5	1386.1
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	6757.7	68.4	6826.1
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	8090.3	121.9	8212.2
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	110.1	1.3
20°-30°	322.9	3.9
30°-40°	643.2	7.8
40°-50°	1105.8	13.5
50°-60°	1691.8	20.6
60°-70°	2132.5	26.0
70°-80°	1697.4	20.7
80°-90°	377.6	4.6
90°-100°	106.1	1.3
100°-110°	10.5	0.1
110°-120°	2.0	0.0
120°-130°	1.6	0.0
130°-140°	0.7	0.0
140°-150°	0.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8090.3	98.5
0°-180°	8212.2	100.0



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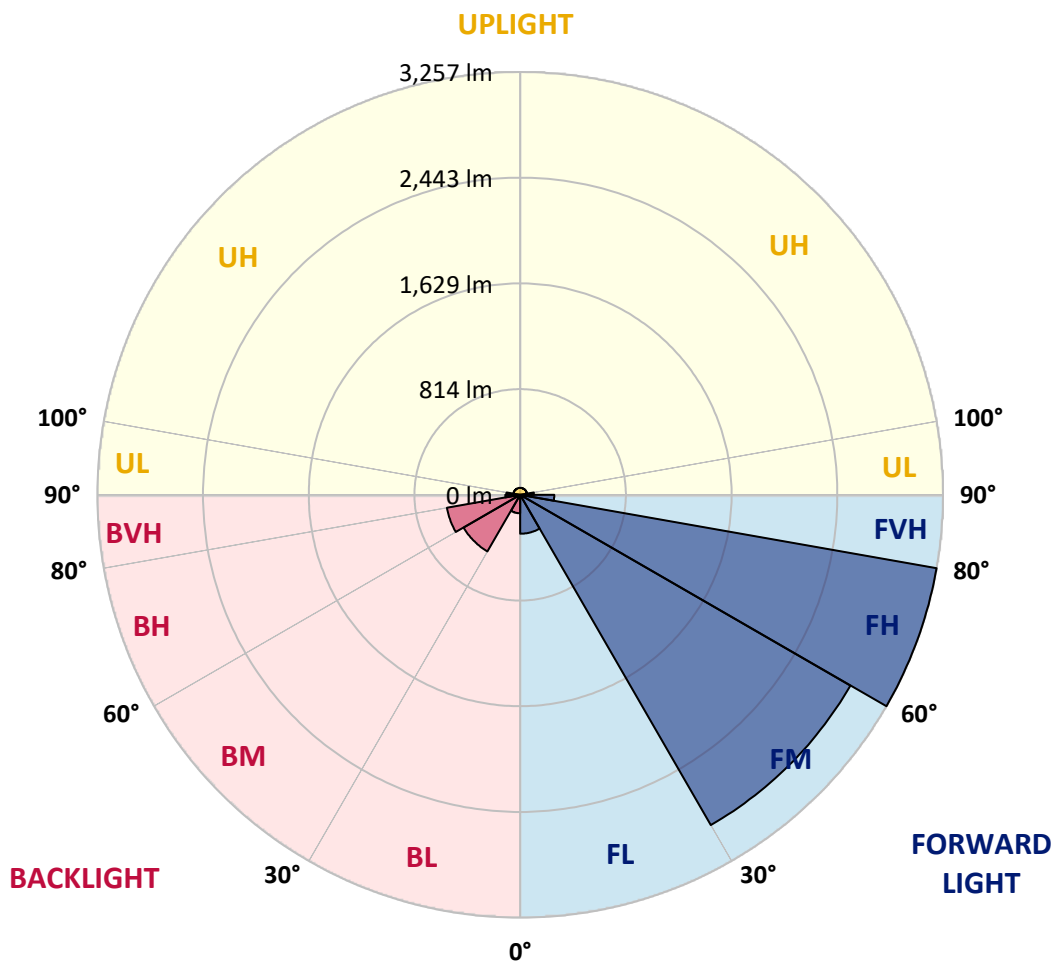
CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	299.9	3.7			
FM	(30°-60°)	2937.8	35.8			
FH	(60°-80°)	3257.3	39.7			G2/5000
FVH	(80°-90°)	262.6	3.2			G3/500
BL	(0°-30°)	142.1	1.7	B1/500		
BM	(30°-60°)	503.1	6.1	B1/1000		
BH	(60°-80°)	572.6	7.0	B2/1000		G2/1000
BVH	(80°-90°)	114.9	1.4			G2/225
UL	(90°-100°)	106.1	1.3		U3/500	
UH	(100°-180°)	53.5	0.7		U3/500	

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

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.1	5.0	4.1	5.0	5.0	4.1	3.1	4.1	4.1	4.1	3.1
5°	251.5	254.6	227.3	177.8	34.4	24.2	8.1	5.0	5.0	4.1	4.1
7.5°	253.6	255.6	266.7	262.7	267.7	255.6	88.9	26.3	11.2	5.0	4.1
10°	272.8	271.8	268.7	274.8	273.7	260.6	251.5	240.5	54.5	7.1	6.0
12.5°	526.3	528.4	515.3	416.2	289.9	268.7	259.6	251.5	205.1	146.5	340.4
15°	530.4	527.3	513.2	535.4	527.3	308.1	431.4	550.6	554.6	412.1	473.8
17.5°	557.7	550.6	533.5	518.2	515.3	615.3	578.9	548.6	558.6	479.9	513.2
20°	758.7	751.7	742.6	724.4	551.6	702.2	700.1	584.9	590.0	957.7	933.4
22.5°	770.8	758.7	751.7	741.5	825.4	690.0	830.4	890.1	893.0	1016.3	985.0
25°	1024.4	1020.4	956.8	770.8	823.4	785.0	952.7	954.7	934.5	1068.9	1173.9
27.5°	1134.6	1102.2	1043.6	1009.2	847.6	937.5	950.6	965.9	1214.3	1448.7	1413.4
30°	1524.5	1482.1	1164.8	1134.6	1004.2	951.7	1097.1	1154.7	1255.8	1454.8	1463.8
32.5°	1759.9	1702.3	1542.7	1413.4	1191.1	1046.7	1173.9	1182.0	1264.9	1813.5	1850.8
35°	2175.1	2099.3	1728.6	1574.0	1391.1	1246.7	1216.4	1406.3	1519.5	1893.3	1916.5
37.5°	2255.9	2255.9	2149.8	1876.1	1596.2	1399.2	1431.5	1477.0	1593.2	2038.7	2028.6
40°	2335.7	2344.8	2365.1	2132.6	1818.5	1622.5	1576.1	1583.1	1692.2	2205.4	2162.0
42.5°	2533.7	2526.7	2560.0	2330.7	2117.5	1871.0	1794.3	1755.9	1834.7	2420.6	2330.7
45°	2876.2	2876.2	2851.0	2538.9	2343.8	2119.6	2046.8	1976.1	2004.4	2631.7	2562.1
47.5°	3300.6	3253.1	3118.7	2781.3	2541.8	2351.9	2291.3	2225.6	2239.8	2882.3	2837.9
50°	3618.8	3568.3	3311.7	2957.0	2704.5	2594.4	2565.0	2516.6	2496.4	3120.7	3138.9
52.5°	3687.5	3625.8	3399.6	3065.2	2840.8	2844.9	2875.2	2805.5	2739.9	3377.4	3443.0
55°	3603.7	3569.3	3427.8	3147.0	2969.2	3057.1	3190.5	3102.5	3073.3	3658.2	3738.0
57.5°	3436.9	3422.8	3414.7	3215.6	3056.1	3289.4	3595.6	3497.6	3420.7	3917.8	3951.1
60°	3084.4	3089.4	3181.4	3214.7	3212.7	3533.9	3972.4	3893.6	3746.0	4168.4	4203.7
62.5°	2463.1	2498.4	2739.9	2975.3	3296.6	3907.8	4333.0	4305.8	4147.1	4454.3	4449.2
65°	1554.8	1623.5	1982.2	2514.5	3182.4	4420.0	4916.0	4808.9	4601.7	4784.6	4860.4
67.5°	840.6	864.8	1063.8	1656.9	2755.0	4660.4	6179.9	5829.3	5350.4	5314.0	5328.1
70°	607.2	614.3	665.7	915.3	1722.5	4272.5	7295.2	7456.8	6535.4	5883.8	5509.0
72.5°	480.9	494.0	543.5	688.0	1014.4	2879.3	7332.5	8281.2	7614.4	6134.3	5094.8
75°	331.3	351.6	438.4	592.0	914.3	1437.7	5964.6	7289.1	7350.7	5628.2	4049.1
77.5°	176.8	179.8	200.0	458.7	866.8	1037.6	3853.1	5273.6	5261.4	3957.2	2193.3
80°	143.4	145.5	153.5	198.0	742.6	1058.8	2068.0	3193.4	2925.7	1537.6	799.1
82.5°	93.9	100.0	122.2	134.4	333.4	1021.4	1228.5	1673.0	1334.5	555.7	501.1
85°	55.5	61.6	88.9	99.0	158.7	1192.1	1102.2	1007.2	770.8	393.0	376.9
87.5°	19.2	19.2	26.3	34.4	52.6	341.5	575.8	460.6	353.6	260.6	310.2
90°	10.1	11.2	6.0	6.0	23.2	105.1	308.1	306.1	240.5	255.6	331.3
92.5°	11.2	11.2	6.0	6.0	24.2	62.6	328.4	351.6	283.9	286.9	358.6
95°	12.2	13.1	5.0	5.0	23.2	43.5	289.0	357.6	277.8	259.6	312.2
97.5°	13.1	14.1	5.0	4.1	15.1	33.3	145.5	204.1	160.6	122.2	136.4
100°	12.2	13.1	3.1	3.1	7.1	22.2	55.5	75.8	68.7	28.3	16.2
102.5°	12.2	13.1	3.1	2.0	3.1	12.2	12.2	28.3	17.2	9.1	13.1
105°	12.2	13.1	3.1	2.0	1.0	6.0	4.1	5.0	6.0	8.1	15.1
107.5°	7.1	8.1	2.0	2.0	1.0	1.0	2.0	2.0	4.1	6.0	13.1
110°	3.1	3.1	1.0	1.0	0.0	1.0	1.0	2.0	4.1	5.0	7.1



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CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	4.1	6.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	7.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	6.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.1	6.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.1	4.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	3.1
140°	0.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0	3.1
142.5°	2.0	1.0	1.0	1.0	0.0	0.0	1.0	1.0	2.0	3.1	3.1
145°	3.1	2.0	2.0	1.0	0.0	0.0	1.0	2.0	3.1	3.1	3.1
147.5°	3.1	3.1	2.0	1.0	0.0	0.0	1.0	2.0	3.1	4.1	4.1
150°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	3.1	3.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5°	3.1	3.1	3.1	2.0	1.0	0.0	0.0	0.0	1.0	1.0	2.0
7.5°	3.1	3.1	3.1	2.0	2.0	1.0	186.9	217.2	249.5	244.5	237.4
10°	5.0	5.0	5.0	4.1	12.2	224.2	251.5	240.5	235.4	233.3	236.4
12.5°	344.5	406.1	135.3	20.3	199.1	219.2	224.2	212.2	219.2	221.3	215.2
15°	472.8	463.7	426.4	438.4	389.9	211.1	201.0	299.0	298.0	297.1	297.1
17.5°	511.2	485.9	421.3	445.5	389.9	320.3	248.6	237.4	229.3	230.4	228.3
20°	920.3	860.7	665.7	433.4	341.5	342.5	211.1	182.9	229.3	267.7	272.8
22.5°	927.4	869.8	697.0	561.7	341.5	270.8	207.1	216.1	259.6	283.9	288.0
25°	1166.9	1054.8	685.0	474.9	342.5	220.2	220.2	208.1	236.4	269.8	274.8
27.5°	1331.6	1201.3	835.4	465.7	257.6	215.2	197.0	199.1	252.6	275.8	276.8
30°	1333.5	1180.0	786.0	391.0	214.2	186.9	177.8	208.1	221.3	236.4	237.4
32.5°	1733.6	1504.2	883.0	314.1	191.0	168.7	178.8	198.0	223.3	260.6	264.7
35°	1733.6	1479.1	768.8	289.0	180.9	169.7	183.8	212.2	213.2	241.4	247.6
37.5°	1782.1	1477.0	649.6	241.4	188.9	169.7	191.9	199.1	208.1	237.4	238.4
40°	1857.9	1498.2	531.4	220.2	186.9	184.8	186.9	196.0	194.0	213.2	214.2
42.5°	1983.2	1545.7	441.5	213.2	185.9	194.0	188.9	185.9	174.8	229.3	230.4
45°	2167.0	1653.8	375.8	213.2	186.9	207.1	195.0	179.8	168.7	276.8	284.9
47.5°	2383.3	1789.1	345.6	218.2	191.0	210.1	185.9	179.8	179.8	300.0	304.1
50°	2641.9	1944.7	331.3	222.3	204.1	208.1	191.9	191.0	199.1	278.9	277.8
52.5°	2915.6	2136.7	329.4	228.3	213.2	200.0	217.2	204.1	177.8	204.1	204.1
55°	3187.4	2373.1	326.3	230.4	208.1	205.1	222.3	181.9	151.5	165.7	167.7
57.5°	3449.1	2598.4	338.4	222.3	207.1	205.1	212.2	181.9	156.6	169.7	173.8
60°	3715.8	2849.9	410.2	210.1	211.1	200.0	211.1	197.0	172.8	205.1	209.1
62.5°	4039.0	3196.5	558.6	221.3	214.2	203.1	210.1	209.1	179.8	196.0	200.0
65°	4501.8	3582.4	646.6	260.6	223.3	212.2	210.1	226.3	201.0	191.0	191.9
67.5°	4819.0	3722.8	627.4	294.0	245.5	218.2	227.3	243.5	215.2	217.2	216.1
70°	4761.4	3473.3	545.5	310.2	259.6	224.2	245.5	242.4	226.3	257.6	255.6
72.5°	4172.4	2815.7	462.7	284.9	255.6	226.3	249.5	248.6	245.5	309.1	309.1
75°	3107.6	1889.2	401.1	261.7	244.5	224.2	244.5	246.5	244.5	316.2	318.2
77.5°	1525.5	943.6	340.4	235.4	226.3	229.3	241.4	242.4	239.5	307.1	307.1
80°	681.9	517.3	259.6	198.0	218.2	241.4	242.4	233.3	237.4	290.9	289.9
82.5°	472.8	371.7	169.7	173.8	244.5	261.7	247.6	228.3	225.3	265.7	261.7
85°	343.5	273.7	104.0	147.5	267.7	247.6	234.4	206.1	197.0	225.3	220.2
87.5°	276.8	218.2	63.6	123.3	244.5	217.2	195.0	169.7	157.6	173.8	165.7
90°	299.0	235.4	63.6	107.1	201.0	162.6	143.4	126.3	114.2	115.2	110.1
92.5°	322.2	250.5	67.7	88.9	148.5	93.9	96.0	87.9	69.7	62.6	56.6
95°	248.6	187.9	59.6	73.8	88.9	57.6	73.8	66.7	47.5	33.3	28.3
97.5°	110.1	88.9	53.5	58.6	62.6	47.5	62.6	53.5	28.3	16.2	14.1
100°	13.1	22.2	46.4	56.6	45.4	32.3	41.4	32.3	12.2	4.1	3.1
102.5°	14.1	10.1	20.3	50.5	26.3	10.1	12.2	12.2	5.0	2.0	2.0
105°	15.1	11.2	8.1	26.3	6.0	2.0	1.0	1.0	1.0	2.0	2.0
107.5°	14.1	10.1	5.0	4.1	3.1	2.0	0.0	0.0	0.0	2.0	3.1
110°	8.1	7.1	5.0	4.1	3.1	2.0	0.0	0.0	0.0	3.1	4.1



REPORT NUMBER: P254695

CATALOG NUMBER: LXF.LXT-AF24-90-D-U-SL3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.0	6.0	4.1	3.1	2.0	1.0	0.0	0.0	0.0	4.1	5.0
115°	7.1	6.0	4.1	3.1	2.0	1.0	0.0	0.0	0.0	5.0	6.0
117.5°	8.1	7.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	6.0	6.0
120°	8.1	7.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0	5.0	6.0
122.5°	8.1	7.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	5.0	6.0
125°	7.1	7.1	4.1	2.0	1.0	0.0	0.0	0.0	0.0	5.0	5.0
127.5°	7.1	6.0	4.1	2.0	1.0	0.0	0.0	0.0	0.0	4.1	5.0
130°	6.0	6.0	3.1	2.0	1.0	0.0	0.0	0.0	0.0	3.1	4.1
132.5°	5.0	4.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	1.0	2.0
135°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	4.1	4.1	3.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	4.1	4.1	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	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)