

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: P254582

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T3-CL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254582  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-24)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-40-D-U-T3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4354.7 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G2

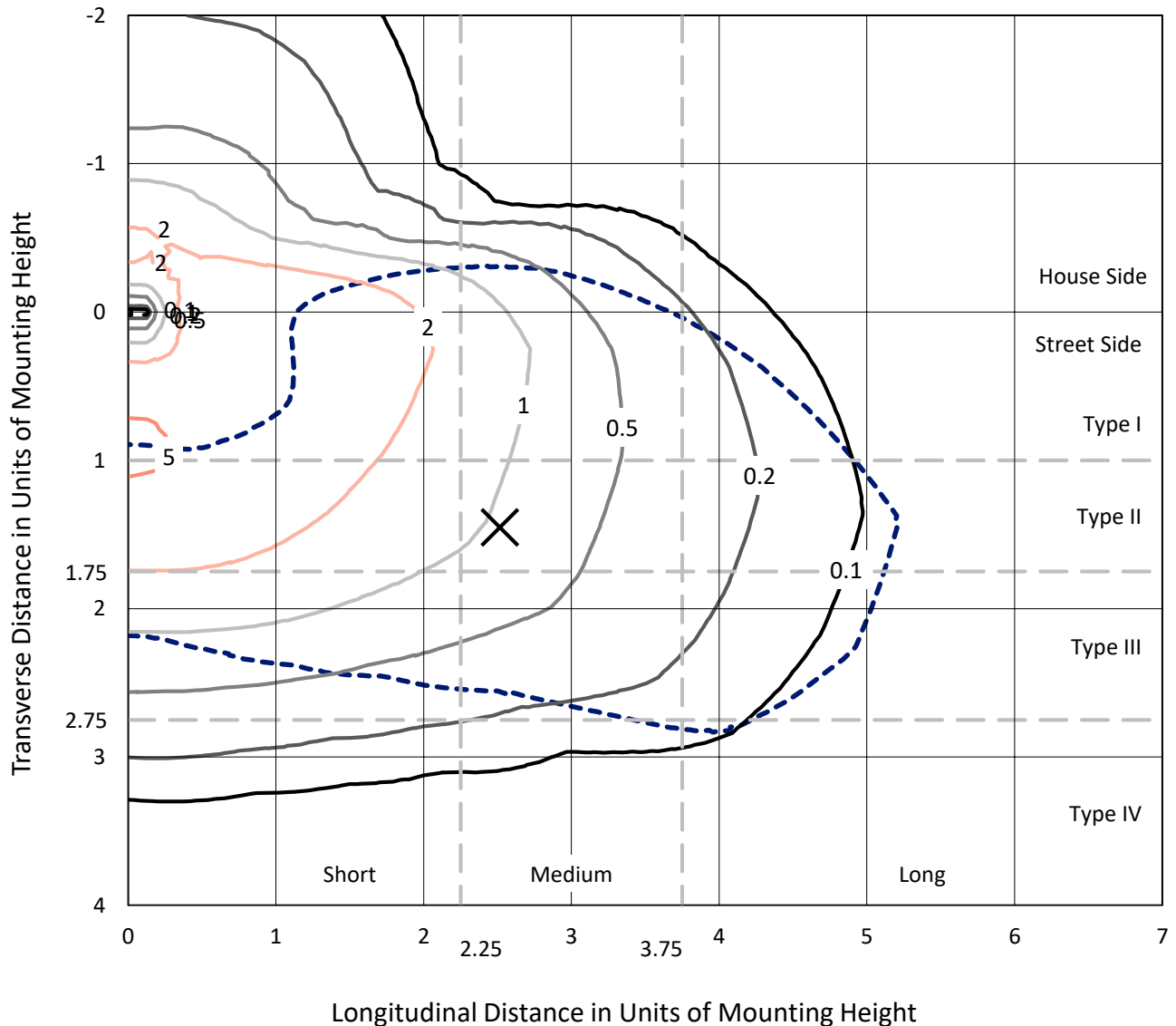
Input Watts (W): 40  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

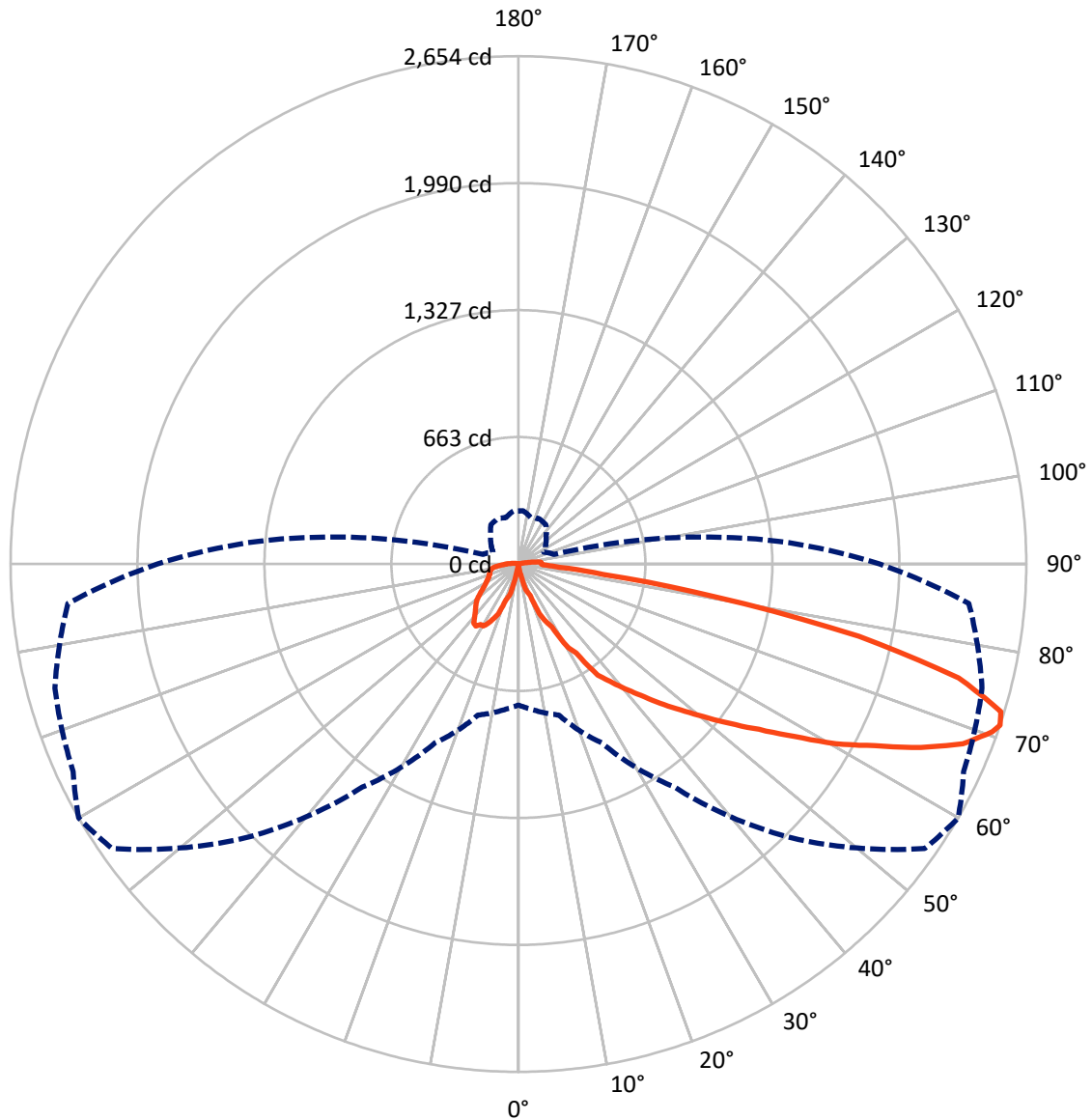


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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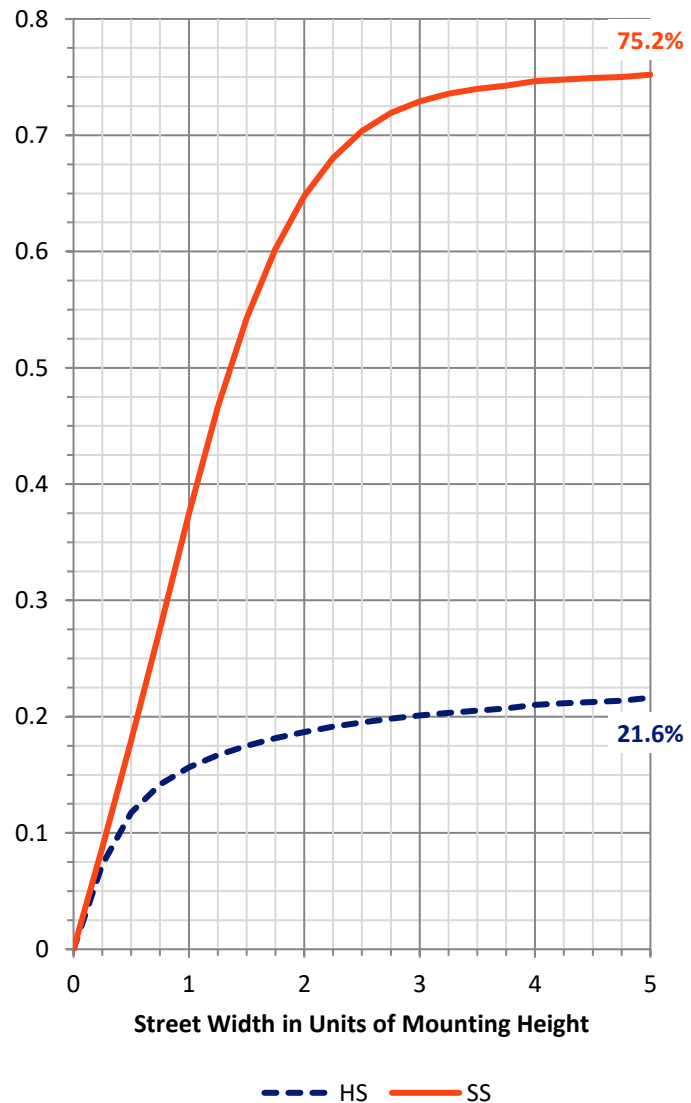
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	989.3	32.1	1021.4
	% Fixture	22.7	0.7	23.5
<b>Street Side</b>	Lumens	3302.0	31.3	3333.3
	% Fixture	75.8	0.7	76.5
<b>Total</b>	Lumens	4291.3	63.3	4354.7
	% Fixture	98.5	1.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.3	0.1
10°-20°	39.1	0.9
20°-30°	160.6	3.7
30°-40°	361.1	8.3
40°-50°	626.8	14.4
50°-60°	949.7	21.8
60°-70°	1170.4	26.9
70°-80°	797.7	18.3
80°-90°	183.6	4.2
90°-100°	56.1	1.3
100°-110°	5.2	0.1
110°-120°	0.8	0.0
120°-130°	0.6	0.0
130°-140°	0.3	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°	4291.3	98.5
0°-180°	4354.7	100.0



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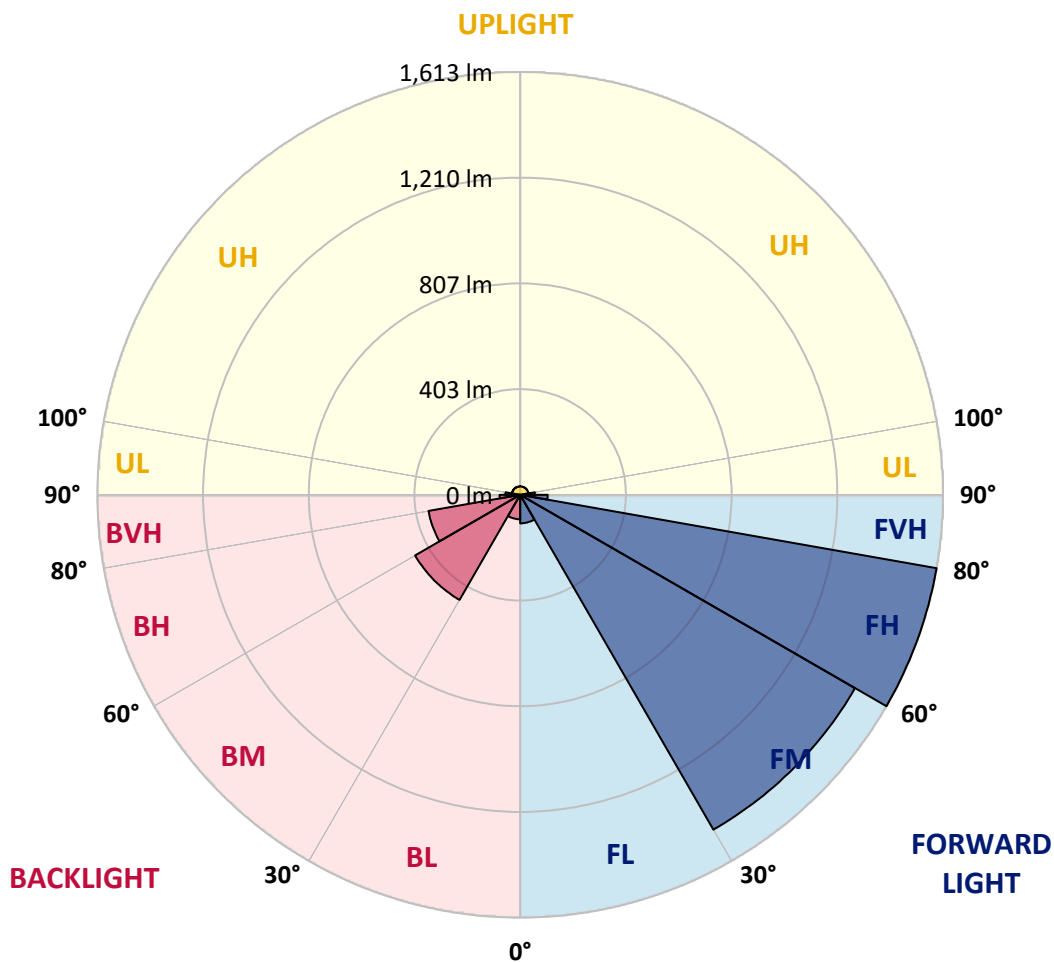
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	108.8	2.5			
FM	(30°-60°)	1474.9	33.9			
FH	(60°-80°)	1613.1	37.0			G1/1800
FVH	(80°-90°)	105.2	2.4			G2/225
BL	(0°-30°)	93.3	2.1	B0/110		
BM	(30°-60°)	462.6	10.6	B1/1000		
BH	(60°-80°)	355.0	8.2	B1/500		G1/500
BVH	(80°-90°)	78.3	1.8			G1/100
UL	(90°-100°)	56.1	1.3		U3/500	
UH	(100°-180°)	32.1	0.7		U2/50	

**BUG Rating: B1-U3-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.6	3.1	2.0	2.6	2.6	2.0	1.5	1.5	2.0	2.0	1.5
5°	46.6	47.2	49.2	50.7	17.5	12.3	4.6	3.1	2.6	2.0	2.0
7.5°	59.0	58.0	57.0	53.9	55.4	51.8	30.8	12.8	6.1	2.6	2.0
10°	68.2	68.2	63.6	60.0	59.5	58.5	55.4	50.7	24.1	5.1	3.6
12.5°	124.7	121.0	115.4	94.9	72.3	65.2	63.6	65.2	53.4	52.9	70.8
15°	142.6	143.6	140.6	132.9	128.8	83.1	109.3	136.0	136.5	109.3	123.2
17.5°	185.2	184.1	168.3	153.3	149.2	159.1	159.6	152.8	153.3	136.5	145.2
20°	275.5	278.0	264.7	224.1	181.6	209.8	203.7	177.0	180.6	257.5	265.8
22.5°	323.2	328.3	312.4	295.5	292.9	232.9	263.2	281.1	272.9	303.7	305.8
25°	479.7	465.7	405.8	347.3	355.0	310.4	340.6	331.4	317.0	339.6	392.9
27.5°	522.2	525.8	510.5	480.7	407.3	423.7	386.3	370.9	427.3	476.6	490.9
30°	619.2	619.2	564.3	553.0	520.7	473.5	505.3	500.6	510.5	518.1	544.8
32.5°	752.1	743.3	718.7	633.5	598.1	541.8	582.8	554.5	571.4	676.6	721.3
35°	889.0	888.5	804.3	741.7	669.4	660.7	641.2	714.1	734.1	738.7	782.9
37.5°	1063.5	1065.0	1019.3	835.6	761.3	721.3	772.5	777.1	800.8	841.3	855.2
40°	1200.9	1192.7	1134.2	997.3	876.2	819.3	863.9	856.2	896.7	929.0	949.0
42.5°	1372.8	1367.6	1287.1	1128.5	1035.2	944.4	956.8	936.7	966.0	1046.5	1054.7
45°	1534.3	1524.6	1450.2	1280.9	1182.9	1082.9	1056.2	1037.8	1044.4	1135.8	1167.1
47.5°	1642.6	1631.3	1603.1	1436.8	1359.9	1229.1	1174.2	1137.3	1145.5	1247.6	1299.4
50°	1778.0	1740.6	1715.4	1566.6	1511.8	1406.0	1289.6	1253.7	1272.2	1365.5	1446.1
52.5°	1850.3	1799.6	1800.1	1693.9	1642.0	1567.2	1418.4	1383.5	1408.2	1497.4	1614.3
55°	1796.0	1790.9	1835.5	1774.9	1745.7	1681.0	1557.4	1525.6	1566.1	1670.3	1799.6
57.5°	1718.5	1726.2	1818.0	1846.7	1846.7	1795.0	1711.8	1698.5	1742.1	1847.8	1977.6
60°	1629.8	1648.7	1766.2	1848.8	1909.8	1906.8	1878.5	1906.3	1919.1	2019.6	2194.5
62.5°	1499.4	1508.1	1645.6	1812.9	1912.9	2010.9	2054.0	2089.4	2138.2	2220.7	2380.3
65°	1350.2	1360.9	1498.4	1716.4	1896.0	2079.1	2225.8	2311.6	2326.4	2392.6	2514.1
67.5°	1157.3	1169.1	1289.1	1535.3	1829.3	2134.5	2400.8	2505.4	2480.2	2471.0	2545.9
70°	896.7	896.2	980.8	1207.1	1585.7	2113.0	2555.2	2626.5	2561.4	2510.5	2457.7
71°	736.6	761.8	817.2	1031.1	1423.0	2025.2	2592.2	2653.6	2567.0	2507.5	2362.8
72.5°	469.4	498.6	545.8	735.6	1135.8	1798.6	2559.8	2635.7	2548.5	2470.0	2172.0
75°	185.2	191.9	226.8	340.6	616.1	1211.2	2260.2	2375.6	2341.2	2270.4	1741.1
77.5°	111.8	115.4	128.8	170.3	282.6	560.2	1650.8	1818.5	1879.1	1846.2	1198.4
80°	84.1	87.8	99.5	120.0	188.7	232.9	872.1	1044.9	1194.2	1192.7	672.5
82.5°	64.1	66.2	77.4	84.6	140.6	161.1	328.8	444.8	578.7	578.7	333.5
85°	59.5	59.5	63.1	57.0	93.4	115.4	195.5	213.9	226.3	240.1	194.5
87.5°	23.6	23.1	30.3	29.3	41.0	75.9	123.7	129.3	121.0	146.7	167.8
90°	15.9	16.4	12.8	12.8	22.6	69.8	112.8	118.5	111.3	132.4	172.4
92.5°	15.3	15.9	11.8	11.8	16.9	58.0	117.9	120.0	114.4	136.5	175.4
95°	13.8	14.3	9.7	9.7	13.3	35.4	109.8	112.8	98.0	110.3	140.6
97.5°	10.7	11.3	6.6	7.2	10.2	13.3	65.7	70.3	54.9	51.8	61.1
100°	7.2	7.7	4.1	5.1	6.1	6.1	25.2	27.2	24.7	13.3	7.7
102.5°	6.6	7.2	3.1	3.1	3.1	2.0	5.1	8.2	4.6	5.6	6.6
105°	6.1	7.2	2.0	1.5	1.0	1.0	1.5	2.0	2.6	3.6	7.2
107.5°	4.1	4.6	1.0	1.0	0.5	1.0	1.0	1.0	1.5	2.6	6.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.0	2.0	0.5	0.5	0.0	0.5	0.5	1.0	1.5	2.0	3.1
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.5	2.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.0	1.5	2.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.5	2.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.5	2.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.5	2.6
125°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.6
127.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0
130°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.0
132.5°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	1.0
140°	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5	1.0
142.5°	1.0	0.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	1.0	1.0
145°	1.0	1.0	0.5	0.5	0.0	0.0	0.5	0.5	1.0	1.0	1.0
147.5°	1.5	1.5	0.5	0.0	0.0	0.0	0.5	0.5	1.0	1.0	1.5
150°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.5	1.0	1.0	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5
5°	1.5	1.5	1.5	1.5	1.5	1.0	2.0	3.1	3.6	4.1	4.1
7.5°	2.0	2.0	2.0	2.0	2.0	4.1	25.7	57.0	65.2	69.8	68.2
10°	3.6	3.6	3.1	3.6	12.8	63.6	77.4	83.1	84.1	87.8	90.8
12.5°	75.9	65.2	30.8	17.5	65.7	82.6	89.3	93.9	99.0	123.2	110.3
15°	125.7	128.3	125.7	138.5	154.9	93.4	110.8	169.3	183.6	187.7	186.7
17.5°	148.7	145.7	145.7	177.5	183.6	182.6	176.5	188.7	192.4	198.6	196.5
20°	277.0	278.0	261.2	206.2	196.0	245.7	197.5	197.0	235.0	269.9	270.9
22.5°	308.8	311.4	303.2	305.8	256.5	253.9	247.8	260.0	275.0	281.6	279.6
25°	419.1	390.4	338.1	315.0	310.9	259.5	292.4	268.3	270.4	273.9	276.5
27.5°	507.9	504.3	470.5	384.2	310.9	315.0	281.6	277.0	307.8	310.9	311.4
30°	549.9	540.7	502.7	404.3	341.2	301.7	274.5	296.0	291.3	294.4	294.4
32.5°	733.0	729.0	645.4	415.0	330.4	279.1	281.1	280.6	307.3	316.0	313.9
35°	782.4	774.6	651.0	471.5	313.4	281.6	264.7	284.7	284.7	288.3	287.2
37.5°	843.3	830.5	660.2	451.4	323.7	264.7	259.0	264.7	279.1	283.2	280.6
40°	927.5	898.3	652.5	418.1	302.2	262.2	249.3	259.5	258.5	253.4	250.8
42.5°	1015.2	980.3	653.1	387.3	285.2	258.5	246.2	244.2	241.1	232.9	231.4
45°	1129.1	1060.4	660.7	365.8	270.9	256.5	243.2	233.9	229.3	221.1	219.5
47.5°	1258.8	1146.0	658.2	348.3	256.5	250.3	233.9	225.2	222.6	211.3	209.8
50°	1389.7	1229.1	660.2	324.7	240.1	243.7	231.4	219.0	214.4	201.6	201.1
52.5°	1542.5	1315.8	646.9	290.8	221.1	235.0	232.9	220.5	220.5	201.6	200.1
55°	1693.9	1422.0	635.6	254.9	208.3	227.8	236.0	231.4	230.4	204.2	202.6
57.5°	1843.2	1513.4	599.1	223.6	200.1	221.6	243.2	238.6	235.5	214.4	209.8
60°	2004.3	1632.8	530.4	199.1	195.5	216.5	245.2	244.7	227.3	225.2	222.6
62.5°	2125.3	1702.1	441.7	182.6	188.7	214.9	244.2	244.2	229.3	228.8	227.8
65°	2182.8	1710.8	334.0	169.8	182.1	212.4	240.6	250.3	238.6	240.1	238.0
67.5°	2153.5	1644.6	251.3	158.6	175.9	210.3	241.1	257.5	246.7	262.7	260.0
70°	1999.2	1474.3	206.7	150.8	173.9	206.7	248.3	259.5	252.4	278.0	275.0
71°	1886.7	1364.5	192.9	146.2	173.9	204.7	249.8	260.0	251.3	279.6	277.0
72.5°	1696.5	1171.2	178.0	139.5	172.9	203.7	249.8	259.5	254.4	286.2	281.6
75°	1278.4	803.8	159.6	136.0	171.9	200.6	244.7	254.9	250.3	274.5	273.4
77.5°	819.3	469.9	142.6	135.4	167.8	199.1	238.0	245.7	237.5	258.0	257.0
80°	450.9	269.9	126.7	126.7	159.6	195.5	227.8	229.3	221.1	237.0	230.4
82.5°	267.8	191.4	105.2	111.3	147.7	185.7	216.5	209.3	200.6	229.9	195.5
85°	180.6	148.7	72.3	85.6	132.9	161.1	192.9	181.6	166.7	167.8	160.1
87.5°	149.8	118.5	38.0	56.0	103.1	117.9	143.1	131.9	116.4	114.4	107.7
90°	148.7	115.4	30.3	50.2	82.6	91.3	110.8	100.0	91.3	94.9	89.8
92.5°	149.8	114.4	31.3	43.1	67.7	68.7	90.8	86.6	79.0	80.5	75.4
95°	120.0	89.8	30.3	34.4	38.5	36.4	56.0	56.0	48.2	45.6	42.6
97.5°	50.2	44.6	28.2	27.7	27.2	20.0	32.3	36.9	25.2	16.9	14.8
100°	7.7	12.8	23.6	26.2	19.0	11.8	20.6	23.6	13.3	2.6	2.0
102.5°	7.7	6.6	9.7	19.5	11.3	3.1	8.2	13.3	6.6	1.5	2.0
105°	8.2	6.6	4.1	10.2	2.6	1.0	0.5	3.6	1.0	1.5	1.5
107.5°	7.7	6.1	2.6	2.0	1.5	0.5	0.0	0.0	0.0	1.5	2.0



REPORT NUMBER: P254582

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T3-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.1	3.6	2.6	1.5	1.0	0.5	0.0	0.0	0.0	1.5	2.0
112.5°	2.6	3.1	2.0	1.5	0.5	0.5	0.0	0.0	0.0	2.0	2.6
115°	3.1	3.1	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.0	2.6
117.5°	3.1	3.1	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.0	2.6
120°	3.1	3.1	2.0	1.0	0.5	0.0	0.0	0.0	0.0	2.0	2.6
122.5°	3.1	3.1	2.0	1.0	0.5	0.0	0.0	0.0	0.0	1.5	2.0
125°	2.6	2.6	2.0	1.0	0.0	0.0	0.0	0.0	0.0	1.5	2.0
127.5°	2.6	2.6	1.5	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.5
130°	2.6	2.6	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0
132.5°	2.0	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	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)