

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: P255232

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-TL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P255232  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-36)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-60-D-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6134.6 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

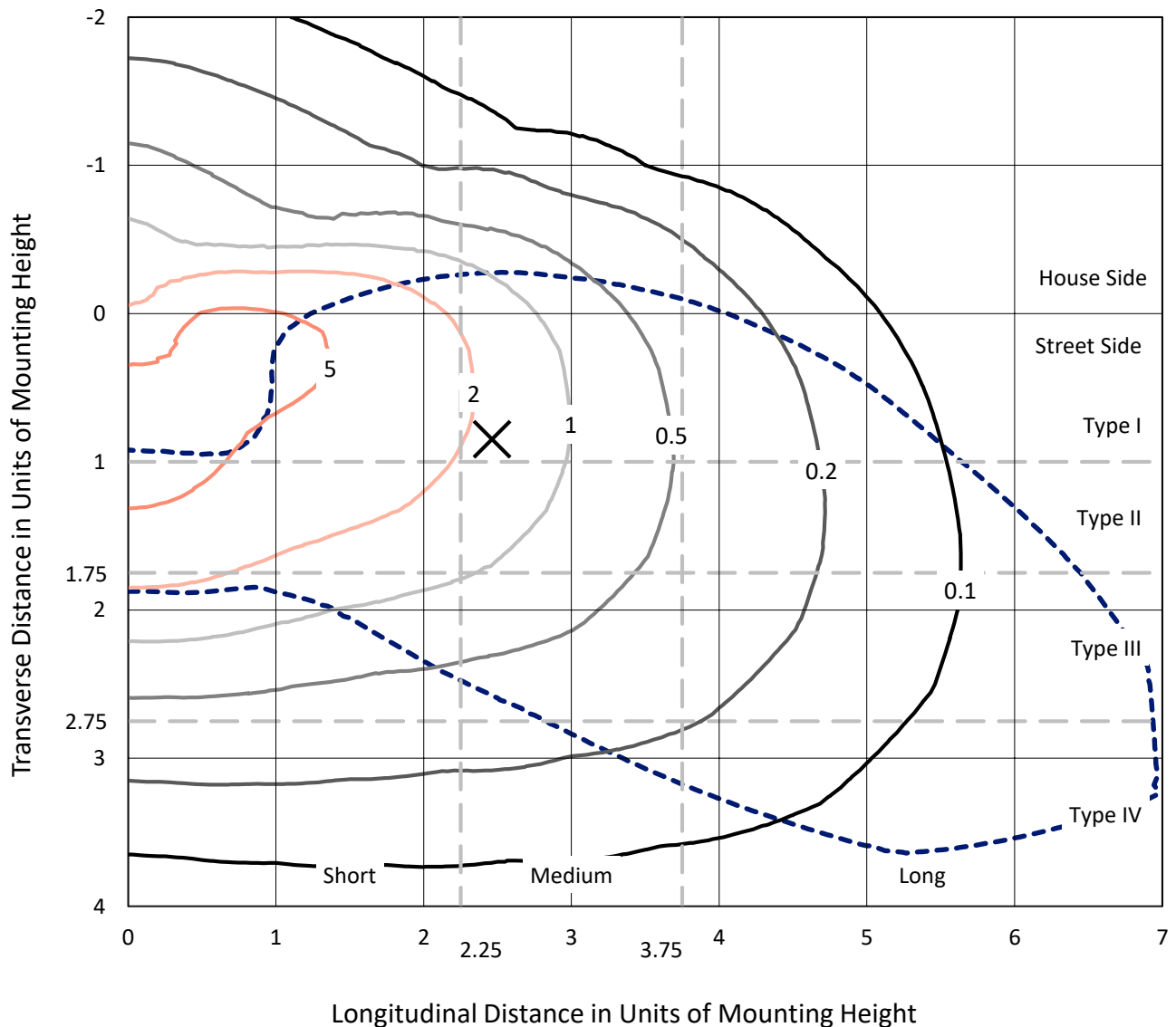
Input Watts (W): 64  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

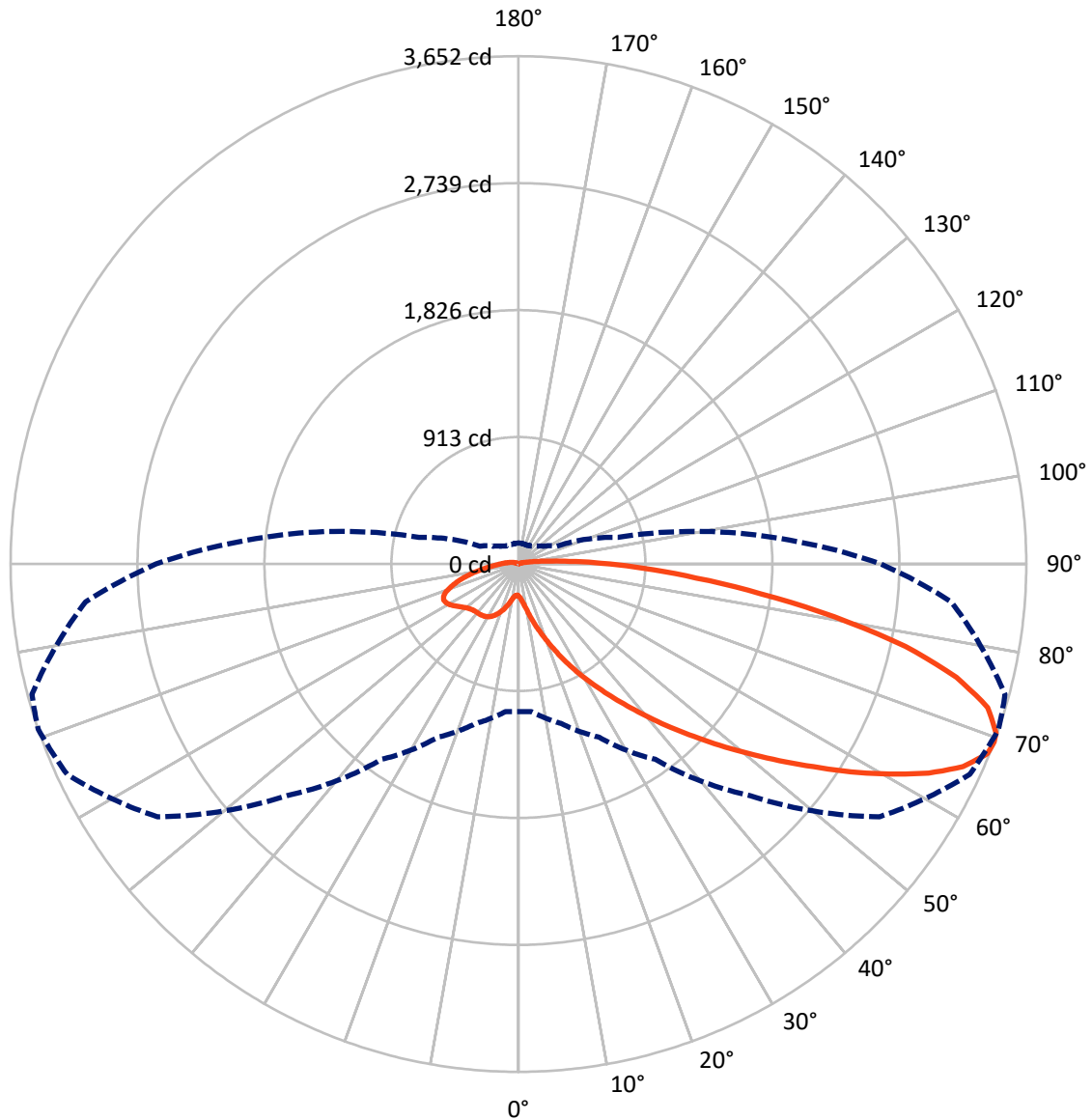
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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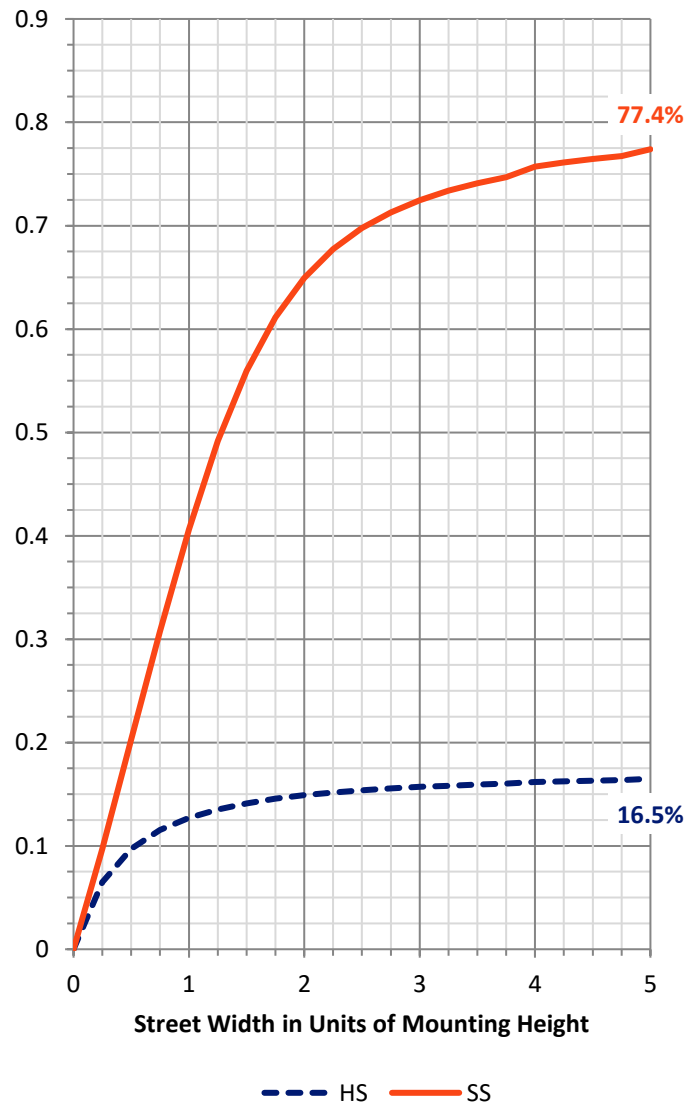
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1053.9	78.3	1132.3
	% Fixture	17.2	1.3	18.5
<b>Street Side</b>	Lumens	4881.2	121.2	5002.4
	% Fixture	79.6	2.0	81.5
<b>Total</b>	Lumens	5935.1	199.6	6134.6
	% Fixture	96.7	3.3	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.1	0.4
10°-20°	99.9	1.6
20°-30°	241.3	3.9
30°-40°	469.8	7.7
40°-50°	804.0	13.1
50°-60°	1199.8	19.6
60°-70°	1442.7	23.5
70°-80°	1154.5	18.8
80°-90°	499.0	8.1
90°-100°	134.1	2.2
100°-110°	41.2	0.7
110°-120°	15.7	0.3
120°-130°	5.7	0.1
130°-140°	2.2	0.0
140°-150°	0.6	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5935.1	96.7
0°-180°	6134.6	100.0



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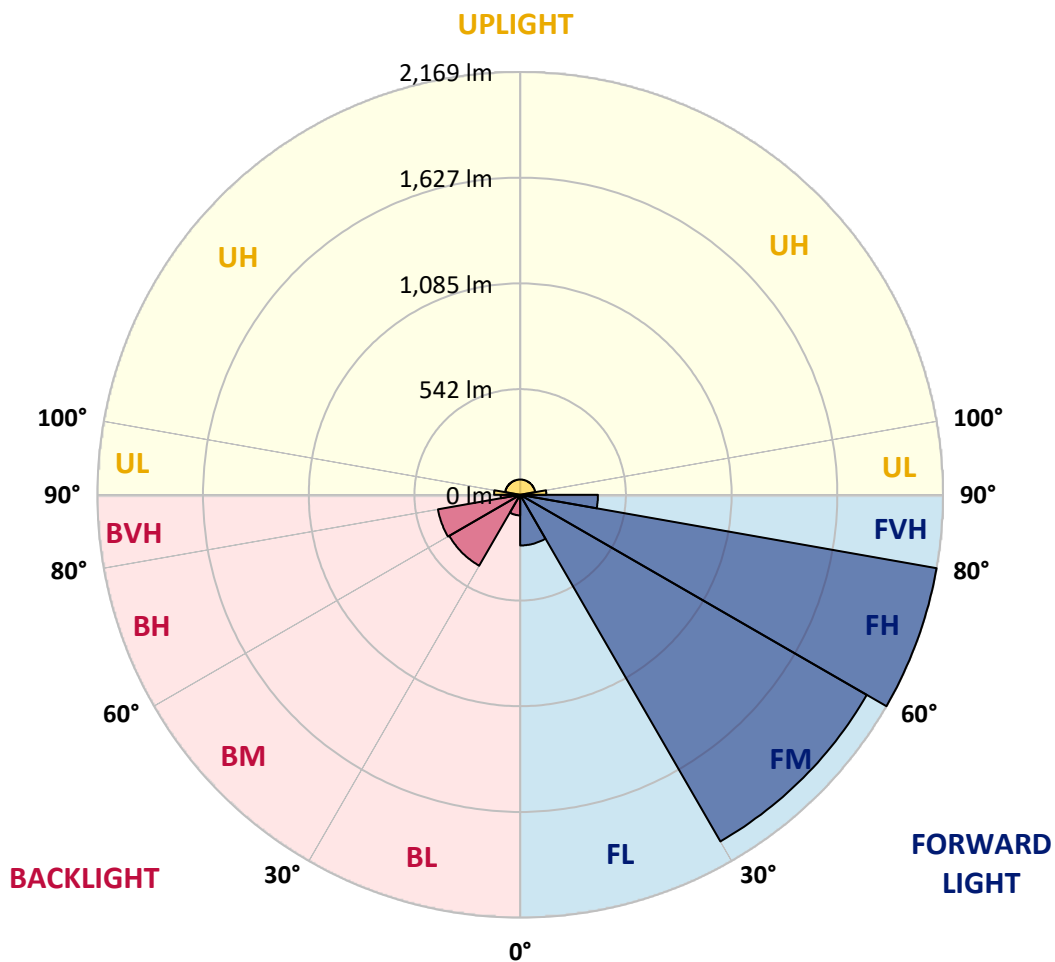
CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.8	4.2			
FM	(30°-60°)	2053.2	33.5			
FH	(60°-80°)	2169.2	35.4			G2/5000
FVH	(80°-90°)	398.9	6.5			G3/500
BL	(0°-30°)	105.5	1.7	B0/110		
BM	(30°-60°)	420.4	6.9	B1/1000		
BH	(60°-80°)	428.0	7.0	B1/500		G1/500
BVH	(80°-90°)	100.1	1.6			G2/225
UL	(90°-100°)	134.1	2.2		U3/500	
UH	(100°-180°)	78.3	1.3		U3/500	

**BUG Rating: B1-U3-G3**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1
2.5°	260.6	260.6	259.9	260.6	256.9	255.3	250.7	246.1	243.1	242.3	235.5
5°	291.2	291.2	290.5	290.5	285.9	282.8	276.7	269.0	265.3	262.2	250.7
7.5°	326.4	325.6	324.9	325.6	321.8	315.0	309.5	299.6	295.8	289.7	275.2
10°	369.2	367.6	368.5	366.1	360.1	357.0	351.6	340.9	336.3	331.7	315.0
12.5°	421.1	421.1	419.6	415.1	409.0	407.4	405.1	399.1	392.9	386.8	363.0
15°	479.3	477.7	475.5	469.3	464.0	460.9	464.0	460.2	455.6	448.0	420.4
17.5°	545.7	542.8	538.9	531.2	522.8	524.4	527.4	524.4	518.2	516.0	483.1
20°	619.2	618.4	610.8	597.8	590.1	585.5	593.9	597.8	592.4	590.1	552.7
22.5°	706.3	700.9	691.0	674.9	661.2	653.6	662.8	676.5	674.9	671.9	632.2
25°	808.0	799.5	789.6	761.4	738.5	725.5	738.5	757.5	765.2	762.1	715.5
27.5°	921.9	910.4	894.4	861.5	824.0	798.0	816.4	841.6	860.7	862.2	805.7
30°	1045.8	1035.7	1014.4	966.2	913.5	881.4	895.9	934.2	960.9	962.4	900.5
32.5°	1187.1	1176.4	1133.6	1082.4	1014.4	970.1	984.6	1034.2	1066.3	1077.1	1003.7
35°	1339.2	1327.8	1291.9	1211.6	1123.7	1066.3	1082.4	1144.4	1183.3	1199.4	1113.8
37.5°	1501.3	1482.2	1440.9	1351.5	1252.1	1178.7	1186.4	1258.9	1312.4	1333.1	1236.8
40°	1659.5	1651.9	1596.1	1491.4	1371.4	1291.9	1298.7	1383.5	1450.9	1474.6	1368.3
42.5°	1821.6	1804.0	1751.3	1629.8	1497.5	1411.1	1427.9	1523.5	1606.0	1632.0	1505.9
45°	1976.0	1960.7	1893.5	1764.3	1626.7	1540.3	1564.0	1682.4	1768.1	1802.4	1662.6
47.5°	2115.9	2096.0	2028.0	1888.1	1753.5	1676.3	1706.9	1847.6	1947.7	1987.5	1838.4
50°	2216.8	2200.8	2131.2	1994.3	1869.7	1819.3	1875.9	2027.2	2140.3	2193.8	2029.5
52.5°	2261.1	2253.5	2187.0	2063.9	1970.6	1961.5	2065.4	2220.6	2349.0	2407.1	2233.6
55°	2245.1	2233.6	2196.2	2097.6	2047.8	2099.8	2264.2	2441.6	2573.0	2635.7	2453.0
57.5°	2154.1	2146.5	2143.4	2081.5	2093.0	2232.1	2460.6	2689.2	2818.4	2868.9	2672.4
60°	1999.7	1995.2	2026.5	2023.4	2104.4	2339.9	2667.8	2951.4	3066.1	3124.2	2887.2
62.5°	1769.6	1780.3	1852.2	1914.0	2067.0	2411.7	2857.4	3190.7	3310.7	3352.7	3053.8
65°	1500.6	1519.7	1616.0	1742.1	1980.6	2441.6	3028.7	3398.5	3513.2	3528.6	3160.1
67.5°	1201.7	1232.2	1346.9	1521.9	1832.3	2414.1	3136.4	3538.5	3637.8	3618.7	3169.2
69°	1061.0	1064.8	1186.4	1374.4	1714.6	2355.1	3169.2	3579.7	3651.6	3621.8	3124.2
70°	957.8	963.9	1083.9	1278.1	1627.4	2297.9	3168.5	3589.6	3644.0	3597.3	3080.6
72.5°	709.4	732.3	851.6	1051.8	1403.5	2099.8	3066.1	3534.6	3529.3	3445.2	2847.5
75°	515.3	534.3	649.0	847.0	1181.8	1839.2	2814.5	3306.9	3254.1	3146.3	2491.2
77.5°	367.6	373.1	474.6	665.8	975.4	1539.5	2430.0	2900.2	2845.1	2683.8	2040.2
80°	248.5	253.0	336.3	503.7	785.0	1265.1	2000.5	2377.3	2303.9	2128.9	1548.7
82.5°	160.5	168.9	234.7	370.0	614.6	1020.5	1580.0	1841.5	1757.4	1600.7	1139.0
85°	112.3	114.7	162.9	267.5	461.7	789.6	1200.1	1370.5	1283.5	1154.3	795.0
87.5°	74.9	77.2	114.7	194.2	336.3	577.9	872.2	972.3	897.4	793.5	529.8
90°	47.4	51.2	79.5	138.4	242.3	403.7	603.1	651.3	597.8	512.9	328.7
92.5°	33.7	35.2	55.9	99.3	172.0	276.7	393.6	412.8	366.9	311.1	198.8
95°	22.9	24.4	40.5	71.1	123.9	186.5	250.7	251.4	214.8	183.4	126.1
97.5°	16.8	18.3	30.6	52.8	88.7	127.7	159.8	151.4	129.2	112.3	87.9
100°	13.8	14.5	24.4	40.5	64.2	90.2	104.8	94.8	83.4	74.9	64.2
102.5°	11.5	12.3	20.7	32.8	48.2	64.2	71.1	63.4	56.6	52.0	48.2
105°	9.9	10.7	17.6	27.5	39.0	47.4	50.4	45.1	41.3	38.3	35.9
107.5°	9.2	9.9	15.2	23.7	32.1	38.3	39.8	34.4	30.6	27.5	26.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
110°	8.4	9.2	13.8	20.7	27.5	32.1	31.3	26.8	22.2	19.1	19.1
112.5°	7.7	8.4	12.3	18.3	23.7	26.8	26.0	19.8	16.1	13.8	13.8
115°	6.9	7.7	10.7	16.1	20.7	22.2	20.7	15.2	11.5	9.2	10.7
117.5°	6.1	6.9	9.2	13.8	17.6	18.3	16.1	11.5	8.4	6.9	7.7
120°	6.1	6.1	8.4	11.5	14.5	15.2	13.0	8.4	6.1	5.3	6.1
122.5°	5.3	6.1	7.7	9.9	12.3	12.3	9.9	6.1	4.6	4.6	5.3
125°	5.3	5.3	6.1	8.4	9.9	9.9	7.7	4.6	3.8	4.6	5.3
127.5°	4.6	5.3	6.1	7.7	8.4	8.4	6.1	3.8	3.8	3.8	4.6
130°	4.6	4.6	5.3	6.1	6.9	6.1	4.6	3.1	3.1	3.8	4.6
132.5°	4.6	4.6	4.6	5.3	6.1	4.6	3.1	3.1	3.1	3.1	4.6
135°	3.8	3.8	3.8	4.6	4.6	3.1	2.3	2.3	3.1	3.1	3.8
137.5°	3.1	3.1	3.1	3.1	3.1	2.3	1.5	2.3	2.3	3.1	3.8
140°	2.3	2.3	2.3	2.3	2.3	0.7	1.5	1.5	2.3	2.3	3.1
142.5°	1.5	1.5	1.5	2.3	1.5	0.7	0.7	1.5	2.3	2.3	3.1
145°	0.7	0.7	1.5	1.5	0.7	0.0	0.7	1.5	1.5	2.3	2.3
147.5°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	1.5	1.5	2.3
150°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	0.7	1.5	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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°	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1	230.1
2.5°	233.1	230.9	225.5	220.1	214.8	210.9	208.0	207.1	204.9	202.5	203.4
5°	245.4	240.0	230.9	219.4	208.7	199.5	192.6	186.5	182.7	178.1	178.9
7.5°	267.5	259.1	243.1	223.9	206.4	191.9	178.1	170.4	164.4	161.3	160.5
10°	301.2	289.7	263.0	235.5	208.7	187.3	170.4	160.5	154.4	150.6	150.6
12.5°	348.6	331.7	293.5	253.8	217.1	188.0	168.2	158.3	152.1	149.9	149.9
15°	400.6	378.4	327.1	272.9	225.5	190.4	168.9	158.3	152.9	150.6	149.9
17.5°	458.7	428.8	360.1	289.0	232.4	195.0	169.7	158.3	152.9	151.4	150.6
20°	521.3	483.9	393.6	304.2	237.7	195.7	168.9	157.4	153.6	152.9	152.9
22.5°	591.7	542.8	425.8	317.2	240.8	193.4	166.6	156.7	154.4	155.2	155.2
25°	665.0	603.8	456.3	324.9	237.7	188.0	164.4	156.7	155.9	158.3	158.3
27.5°	743.0	665.0	483.1	330.2	231.6	180.4	160.5	156.7	157.4	160.5	160.5
30°	824.8	727.7	506.1	329.5	223.9	174.3	158.3	155.9	159.0	163.6	163.6
32.5°	911.1	792.7	525.2	324.9	214.8	169.7	155.9	156.7	161.3	166.6	167.5
35°	999.8	853.9	540.4	315.7	206.4	165.9	155.9	158.3	163.6	169.7	170.4
37.5°	1098.4	922.6	554.2	307.3	200.3	164.4	156.7	159.0	165.1	172.0	173.5
40°	1204.7	997.6	564.2	296.6	195.7	165.1	158.3	160.5	165.9	173.5	175.0
42.5°	1317.9	1074.0	574.8	288.2	191.9	165.9	160.5	161.3	166.6	175.0	176.6
45°	1446.2	1159.6	587.1	280.5	191.1	168.9	162.0	161.3	165.9	176.6	177.4
47.5°	1593.0	1266.6	605.4	275.2	191.1	171.2	163.6	161.3	165.1	176.6	178.1
50°	1753.5	1379.0	627.6	273.6	193.4	174.3	165.1	161.3	164.4	173.5	175.0
52.5°	1924.1	1505.9	657.3	274.5	196.4	176.6	166.6	160.5	162.0	168.9	169.7
55°	2113.6	1641.2	691.0	279.1	201.0	179.6	167.5	159.0	159.0	163.6	163.6
57.5°	2299.4	1781.9	727.7	284.4	207.1	182.7	167.5	157.4	156.7	159.8	159.8
60°	2471.3	1899.5	763.6	291.2	212.5	184.2	166.6	155.9	154.4	156.7	157.4
62.5°	2615.1	1995.2	785.8	298.9	217.1	184.9	165.1	154.4	152.9	155.2	155.2
65°	2677.8	2041.0	790.4	304.2	221.7	184.2	162.9	152.1	151.4	152.9	153.6
67.5°	2667.0	2015.0	768.2	305.0	223.2	183.4	160.5	149.9	149.9	151.4	151.4
69°	2605.9	1959.2	739.9	303.5	223.2	181.2	158.3	148.3	149.0	150.6	150.6
70°	2547.8	1899.5	712.4	299.6	222.5	179.6	155.9	146.8	148.3	149.9	149.9
72.5°	2324.6	1704.6	639.9	287.4	216.4	174.3	151.4	142.2	145.3	148.3	147.5
75°	2001.2	1445.5	554.2	268.3	206.4	166.6	145.3	136.9	141.4	145.3	144.4
77.5°	1610.6	1155.8	464.7	246.1	194.2	156.7	137.6	130.7	136.1	140.7	139.8
80°	1225.4	887.5	377.6	221.7	178.1	146.0	129.2	123.1	129.9	133.8	133.0
82.5°	895.9	649.0	296.6	197.2	162.9	134.5	119.3	114.7	121.5	125.4	123.9
85°	621.4	453.3	229.3	170.4	146.0	121.5	108.5	105.5	111.6	114.7	113.1
87.5°	410.5	305.8	177.4	147.5	129.9	109.4	98.6	95.5	101.7	103.2	102.4
90°	260.6	204.9	140.7	126.8	114.7	97.1	87.9	86.3	90.9	91.8	89.4
92.5°	166.6	140.7	113.9	109.4	100.1	86.3	78.8	76.4	80.3	80.3	77.9
95°	115.4	104.8	93.3	94.0	87.2	75.7	68.8	68.0	69.6	68.0	67.3
97.5°	83.4	79.5	77.2	80.3	75.7	65.8	60.4	58.8	59.6	57.3	56.6
100°	63.4	62.7	64.2	67.3	64.2	56.6	52.0	51.2	50.4	46.6	46.6
102.5°	48.9	48.9	52.8	57.3	54.3	48.2	45.1	43.6	41.3	37.4	36.7
105°	37.4	38.3	43.6	47.4	45.8	40.5	38.3	35.9	32.8	29.1	29.1
107.5°	28.2	29.8	35.2	39.0	37.4	33.7	31.3	29.1	26.0	22.2	22.9



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	21.4	22.9	28.2	31.3	30.6	28.2	26.0	23.7	19.8	16.8	17.6
112.5°	16.1	17.6	22.2	25.3	25.3	22.9	20.7	18.3	14.5	13.0	13.0
115°	12.3	13.8	17.6	19.8	19.8	17.6	16.1	13.8	10.7	9.9	9.9
117.5°	9.2	10.7	13.8	16.1	15.2	13.8	12.3	10.7	8.4	7.7	7.7
120°	7.7	8.4	10.7	12.3	11.5	10.7	9.2	7.7	6.1	6.1	6.1
122.5°	6.1	6.9	8.4	9.2	8.4	7.7	6.9	5.3	4.6	4.6	4.6
125°	5.3	6.1	6.9	6.9	6.1	5.3	4.6	3.8	3.1	3.8	3.8
127.5°	5.3	5.3	6.1	5.3	4.6	3.8	3.1	2.3	2.3	3.1	3.1
130°	4.6	5.3	5.3	4.6	3.8	2.3	2.3	1.5	1.5	2.3	2.3
132.5°	4.6	4.6	4.6	3.8	3.1	1.5	0.7	0.7	1.5	1.5	1.5
135°	3.8	4.6	3.8	3.1	2.3	1.5	0.0	0.7	0.7	0.7	0.7
137.5°	3.8	3.8	3.8	3.1	1.5	0.7	0.0	0.0	0.7	0.0	0.0
140°	3.1	3.1	3.1	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.7	0.7	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)