

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: P254683

Luminaire Tested: **LXF.LXT-AF24-60-D-U-SL3-CL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254683  
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-AF24-60-D-U-SL3-CL-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA 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: 5874.8 lumens  
Efficiency: N/A  
Efficacy: 91.8 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): 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

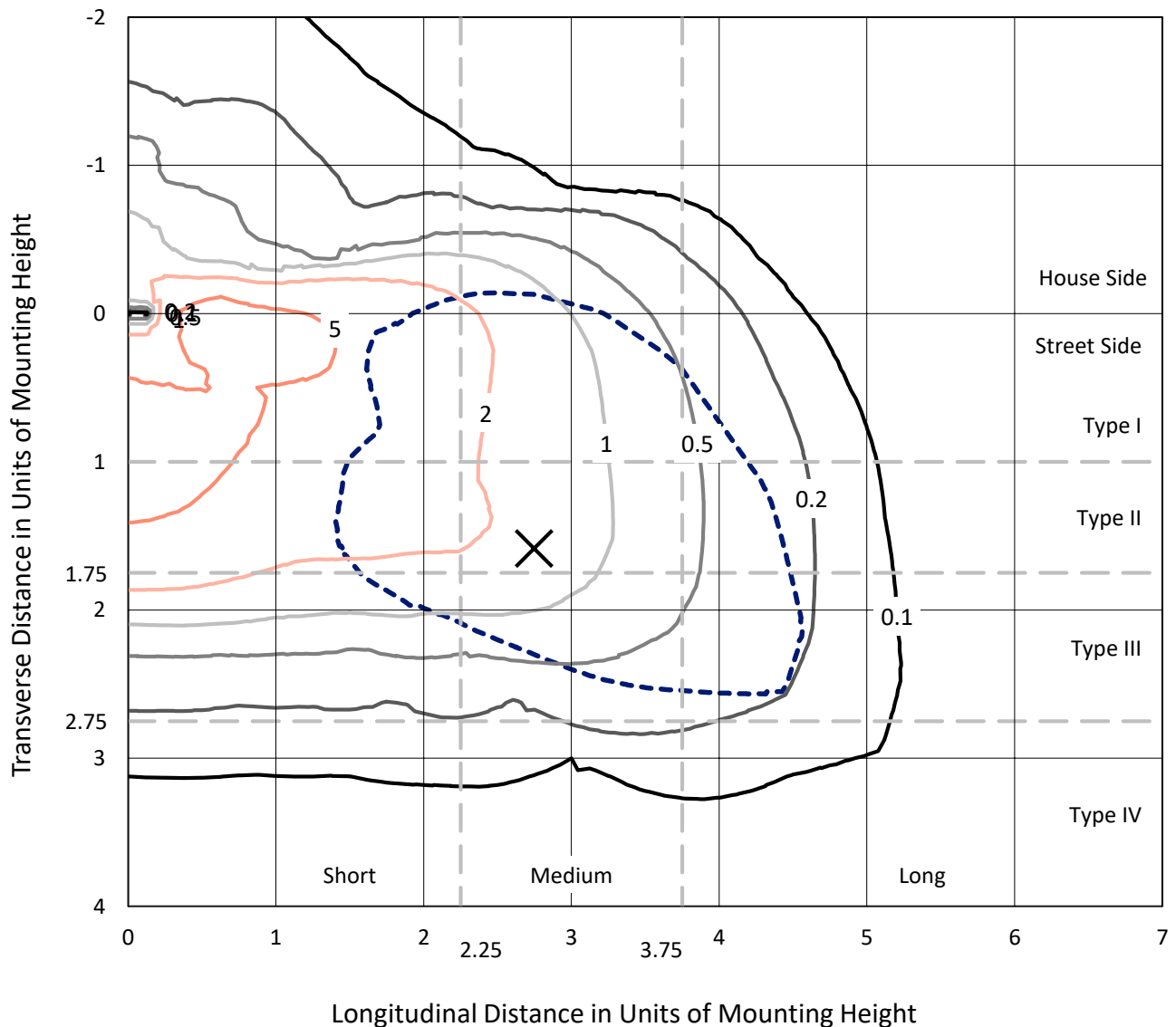


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

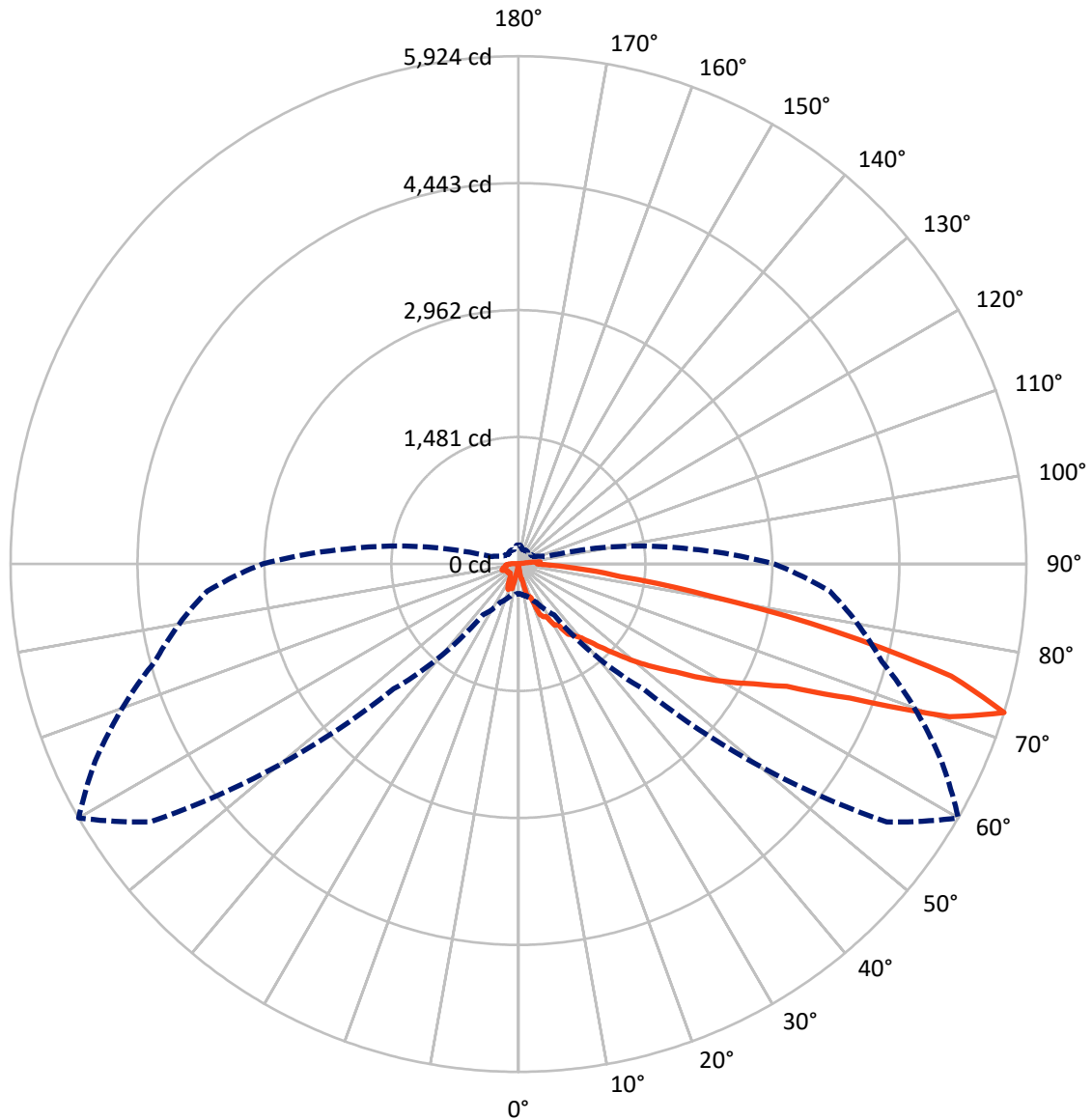


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc  
 Type III - Medium - Non-Cutoff

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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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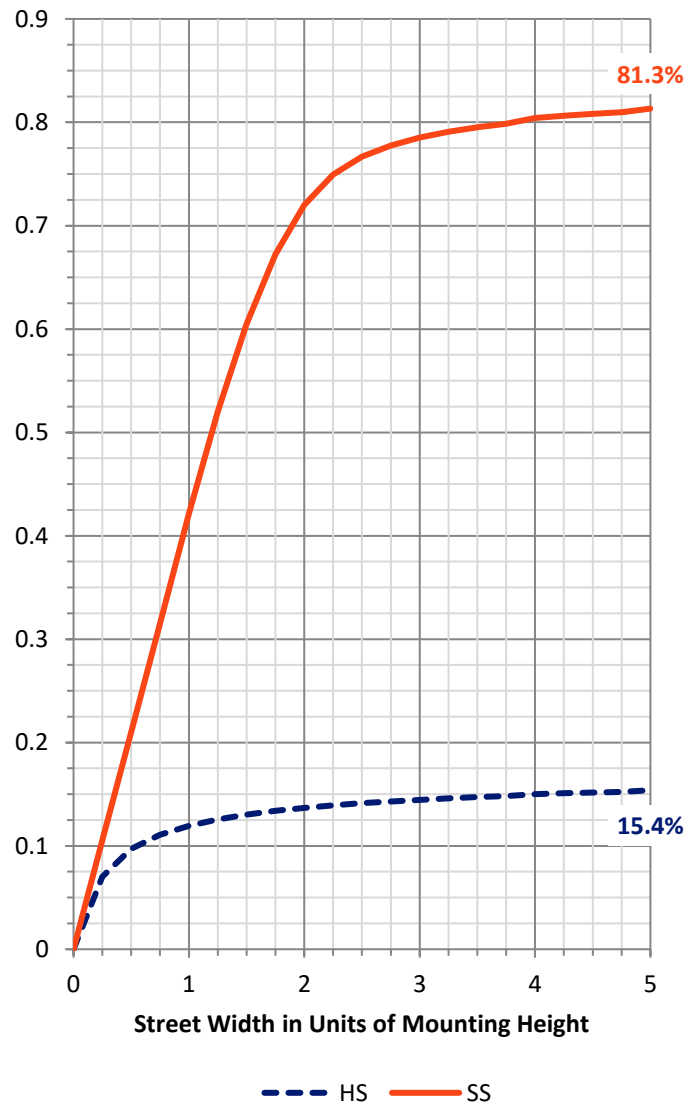
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	953.3	38.2	991.6
	% Fixture	16.2	0.7	16.9
<b>Street Side</b>	Lumens	4834.3	48.9	4883.3
	% Fixture	82.3	0.8	83.1
<b>Total</b>	Lumens	5787.7	87.2	5874.8
	% Fixture	98.5	1.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	78.8	1.3
20°-30°	231.0	3.9
30°-40°	460.2	7.8
40°-50°	791.1	13.5
50°-60°	1210.3	20.6
60°-70°	1525.6	26.0
70°-80°	1214.3	20.7
80°-90°	270.1	4.6
90°-100°	75.9	1.3
100°-110°	7.5	0.1
110°-120°	1.4	0.0
120°-130°	1.1	0.0
130°-140°	0.5	0.0
140°-150°	0.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5787.7	98.5
0°-180°	5874.8	100.0

**Coefficient of Utilization**



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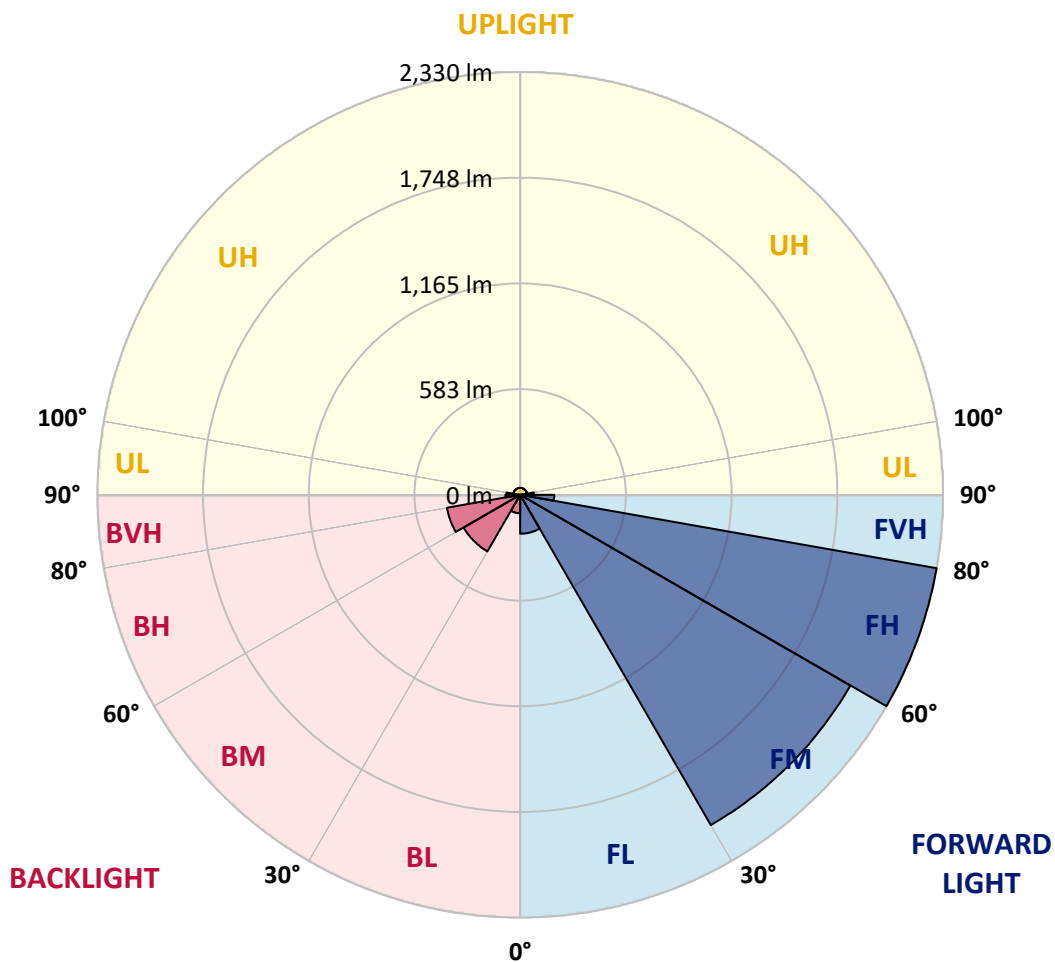
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.6	3.7			
FM (30°-60°)	2101.6	35.8			
FH (60°-80°)	2330.2	39.7			G2/5000
FVH (80°-90°)	187.9	3.2			G2/225
BL (0°-30°)	101.6	1.7	B0/110		
BM (30°-60°)	359.9	6.1	B1/1000		
BH (60°-80°)	409.6	7.0	B1/500		G1/500
BVH (80°-90°)	82.2	1.4			G1/100
UL (90°-100°)	75.9	1.3		U3/500	
UH (100°-180°)	38.2	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.8	3.6	2.8	3.6	3.6	2.8	2.1	2.8	2.8	2.8	2.1
5°	180.0	182.1	162.6	127.2	24.6	17.4	5.8	3.6	3.6	2.8	2.8
7.5°	181.4	182.9	190.7	187.9	191.5	182.9	63.6	18.8	7.9	3.6	2.8
10°	195.1	194.4	192.3	196.5	195.9	186.5	180.0	172.0	39.0	5.0	4.4
12.5°	376.5	378.0	368.6	297.7	207.4	192.3	185.7	180.0	146.7	104.8	243.5
15°	379.4	377.3	367.1	383.1	377.3	220.4	308.6	393.9	396.8	294.9	338.9
17.5°	398.9	393.9	381.7	370.7	368.6	440.1	414.1	392.5	399.7	343.3	367.1
20°	542.8	537.7	531.2	518.2	394.7	502.3	500.9	418.5	422.1	685.2	667.8
22.5°	551.4	542.8	537.7	530.5	590.4	493.7	594.1	636.8	638.8	727.0	704.6
25°	732.8	730.0	684.4	551.4	589.0	561.6	681.6	683.0	668.5	764.6	839.7
27.5°	811.6	788.6	746.6	721.9	606.4	670.8	680.1	690.9	868.7	1036.5	1011.0
30°	1090.6	1060.3	833.3	811.6	718.4	680.8	784.9	826.1	898.3	1040.7	1047.2
32.5°	1259.0	1217.8	1103.6	1011.0	852.1	748.8	839.7	845.5	904.8	1297.4	1324.0
35°	1556.1	1501.9	1236.6	1126.0	995.3	891.9	870.1	1006.1	1087.0	1354.4	1370.9
37.5°	1613.9	1613.9	1538.0	1342.1	1141.9	1001.0	1024.1	1056.6	1139.8	1458.5	1451.2
40°	1670.9	1677.4	1691.9	1525.7	1301.0	1160.7	1127.4	1132.5	1210.6	1577.7	1546.7
42.5°	1812.6	1807.5	1831.4	1667.3	1514.9	1338.5	1283.6	1256.2	1312.4	1731.6	1667.3
45°	2057.6	2057.6	2039.6	1816.2	1676.7	1516.3	1464.3	1413.7	1433.9	1882.7	1832.9
47.5°	2361.2	2327.2	2231.1	1989.7	1818.4	1682.5	1639.1	1592.1	1602.3	2061.9	2030.1
50°	2588.8	2552.7	2369.1	2115.4	1934.8	1856.0	1835.0	1800.3	1785.9	2232.5	2245.5
52.5°	2637.9	2593.9	2432.0	2192.8	2032.3	2035.2	2057.0	2007.0	1960.0	2416.0	2463.0
55°	2578.0	2553.4	2452.3	2251.3	2124.1	2187.0	2282.4	2219.5	2198.6	2617.0	2674.1
57.5°	2458.8	2448.6	2442.8	2300.5	2186.3	2353.2	2572.2	2502.0	2447.2	2802.7	2826.5
60°	2206.5	2210.1	2275.9	2299.7	2298.3	2528.2	2841.8	2785.3	2679.9	2982.0	3007.3
62.5°	1762.1	1787.3	1960.0	2128.5	2358.3	2795.5	3099.8	3080.2	2966.8	3186.5	3182.9
65°	1112.3	1161.4	1417.9	1798.9	2276.6	3162.0	3516.8	3440.1	3292.0	3422.9	3477.0
67.5°	601.4	618.6	761.0	1185.3	1970.9	3333.9	4420.9	4170.1	3827.6	3801.5	3811.6
70°	434.3	439.4	476.3	654.8	1232.2	3056.4	5218.8	5334.5	4675.3	4209.2	3941.0
72.5°	344.0	353.5	388.9	492.2	725.6	2059.7	5245.5	5924.1	5447.2	4388.4	3644.7
75°	237.1	251.6	313.7	423.5	654.0	1028.4	4267.0	5214.5	5258.5	4026.3	2896.7
77.5°	126.5	128.6	143.1	328.1	620.0	742.2	2756.5	3772.6	3764.0	2830.9	1569.1
80°	102.6	104.2	109.8	141.6	531.2	757.3	1479.4	2284.5	2093.0	1100.0	571.7
82.5°	67.2	71.6	87.4	96.1	238.5	730.7	878.9	1196.8	954.7	397.4	358.5
85°	39.8	44.1	63.6	70.8	113.5	852.8	788.6	720.6	551.4	281.2	269.6
87.5°	13.7	13.7	18.8	24.6	37.5	244.3	411.9	329.5	252.9	186.5	221.9
90°	7.2	7.9	4.4	4.4	16.6	75.2	220.4	218.9	172.0	182.9	237.1
92.5°	7.9	7.9	4.4	4.4	17.4	44.8	234.9	251.6	203.1	205.3	256.5
95°	8.6	9.4	3.6	3.6	16.6	31.0	206.7	255.8	198.8	185.7	223.3
97.5°	9.4	10.2	3.6	2.8	10.8	23.8	104.2	146.0	114.9	87.4	97.6
100°	8.6	9.4	2.1	2.1	5.0	16.0	39.8	54.2	49.1	20.2	11.6
102.5°	8.6	9.4	2.1	1.4	2.1	8.6	8.6	20.2	12.2	6.5	9.4
105°	8.6	9.4	2.1	1.4	0.8	4.4	2.8	3.6	4.4	5.8	10.8
107.5°	5.0	5.8	1.4	1.4	0.8	0.8	1.4	1.4	2.8	4.4	9.4
110°	2.1	2.1	0.8	0.8	0.0	0.8	0.8	1.4	2.8	3.6	5.0



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**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	0.8	1.4	2.1	2.8	4.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8	5.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8	5.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8	5.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8	5.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8	5.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.8	4.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.8	4.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	2.1
140°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.8	1.4	1.4	2.1
142.5°	1.4	0.8	0.8	0.8	0.0	0.0	0.8	0.8	1.4	2.1	2.1
145°	2.1	1.4	1.4	0.8	0.0	0.0	0.8	1.4	2.1	2.1	2.1
147.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.8	1.4	2.1	2.8	2.8
150°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.8	1.4	2.8	2.8
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.1	2.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.1	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
5°	2.1	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.8	0.8	1.4
7.5°	2.1	2.1	2.1	1.4	1.4	0.8	133.8	155.3	178.5	175.0	169.8
10°	3.6	3.6	3.6	2.8	8.6	160.4	180.0	172.0	168.4	166.9	169.2
12.5°	246.5	290.5	96.8	14.4	142.4	156.8	160.4	151.8	156.8	158.3	153.9
15°	338.2	331.7	305.0	313.7	278.9	151.0	143.7	213.9	213.2	212.5	212.5
17.5°	365.7	347.7	301.3	318.7	278.9	229.1	177.8	169.8	164.1	164.8	163.4
20°	658.4	615.7	476.3	310.1	244.3	245.0	151.0	130.8	164.1	191.5	195.1
22.5°	663.4	622.2	498.7	401.8	244.3	193.7	148.1	154.7	185.7	203.1	206.0
25°	834.7	754.6	490.0	339.7	245.0	157.6	157.6	148.9	169.2	193.0	196.5
27.5°	952.5	859.4	597.6	333.1	184.3	153.9	141.0	142.4	180.8	197.3	198.0
30°	954.1	844.1	562.2	279.7	153.2	133.8	127.2	148.9	158.3	169.2	169.8
32.5°	1240.2	1076.1	631.6	224.7	136.6	120.7	128.0	141.6	159.7	186.5	189.3
35°	1240.2	1058.0	550.0	206.7	129.4	121.4	131.5	151.8	152.5	172.7	177.1
37.5°	1274.8	1056.6	464.7	172.7	135.2	121.4	137.3	142.4	148.9	169.8	170.6
40°	1329.1	1071.9	380.1	157.6	133.8	132.3	133.8	140.2	138.8	152.5	153.2
42.5°	1418.7	1105.8	315.9	152.5	133.0	138.8	135.2	133.0	125.0	164.1	164.8
45°	1550.3	1183.1	268.9	152.5	133.8	148.1	139.6	128.6	120.7	198.0	203.8
47.5°	1704.9	1280.0	247.2	156.1	136.6	150.3	133.0	128.6	128.6	214.7	217.5
50°	1889.9	1391.2	237.1	159.0	146.0	148.9	137.3	136.6	142.4	199.5	198.8
52.5°	2085.8	1528.5	235.6	163.4	152.5	143.1	155.3	146.0	127.2	146.0	146.0
55°	2280.2	1697.7	233.5	164.8	148.9	146.7	159.0	130.1	108.3	118.5	119.9
57.5°	2467.4	1858.8	242.1	159.0	148.1	146.7	151.8	130.1	112.0	121.4	124.3
60°	2658.2	2038.8	293.5	150.3	151.0	143.1	151.0	141.0	123.6	146.7	149.5
62.5°	2889.5	2286.7	399.7	158.3	153.2	145.4	150.3	149.5	128.6	140.2	143.1
65°	3220.5	2562.7	462.5	186.5	159.7	151.8	150.3	161.9	143.7	136.6	137.3
67.5°	3447.4	2663.3	448.8	210.4	175.6	156.1	162.6	174.2	153.9	155.3	154.7
70°	3406.2	2484.8	390.3	221.9	185.7	160.4	175.6	173.5	161.9	184.3	182.9
72.5°	2984.9	2014.2	331.0	203.8	182.9	161.9	178.5	177.8	175.6	221.1	221.1
75°	2223.1	1351.5	287.0	187.2	175.0	160.4	175.0	176.4	175.0	226.1	227.7
77.5°	1091.3	675.0	243.5	168.4	161.9	164.1	172.7	173.5	171.3	219.7	219.7
80°	487.9	370.1	185.7	141.6	156.1	172.7	173.5	166.9	169.8	208.1	207.4
82.5°	338.2	265.9	121.4	124.3	175.0	187.2	177.1	163.4	161.1	190.1	187.2
85°	245.8	195.9	74.4	105.6	191.5	177.1	167.7	147.4	141.0	161.1	157.6
87.5°	198.0	156.1	45.6	88.2	175.0	155.3	139.6	121.4	112.7	124.3	118.5
90°	213.9	168.4	45.6	76.6	143.7	116.4	102.6	90.3	81.6	82.4	78.7
92.5°	230.5	179.1	48.4	63.6	106.2	67.2	68.7	62.9	49.8	44.8	40.4
95°	177.8	134.4	42.6	52.8	63.6	41.2	52.8	47.7	34.0	23.8	20.2
97.5°	78.7	63.6	38.4	41.9	44.8	34.0	44.8	38.4	20.2	11.6	10.2
100°	9.4	16.0	33.3	40.4	32.6	23.2	29.6	23.2	8.6	2.8	2.1
102.5°	10.2	7.2	14.4	36.2	18.8	7.2	8.6	8.6	3.6	1.4	1.4
105°	10.8	7.9	5.8	18.8	4.4	1.4	0.8	0.8	0.8	1.4	1.4
107.5°	10.2	7.2	3.6	2.8	2.1	1.4	0.0	0.0	0.0	1.4	2.1
110°	5.8	5.0	3.6	2.8	2.1	1.4	0.0	0.0	0.0	2.1	2.8



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CATALOG NUMBER: LXF.LXT-AF24-60-D-U-SL3-CL-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.4	4.4	2.8	2.1	1.4	0.8	0.0	0.0	0.0	2.8	3.6
115°	5.0	4.4	2.8	2.1	1.4	0.8	0.0	0.0	0.0	3.6	4.4
117.5°	5.8	5.0	2.8	2.1	1.4	0.0	0.0	0.0	0.0	4.4	4.4
120°	5.8	5.0	2.8	2.1	0.8	0.0	0.0	0.0	0.0	3.6	4.4
122.5°	5.8	5.0	2.8	1.4	0.8	0.0	0.0	0.0	0.0	3.6	4.4
125°	5.0	5.0	2.8	1.4	0.8	0.0	0.0	0.0	0.0	3.6	3.6
127.5°	5.0	4.4	2.8	1.4	0.8	0.0	0.0	0.0	0.0	2.8	3.6
130°	4.4	4.4	2.1	1.4	0.8	0.0	0.0	0.0	0.0	2.1	2.8
132.5°	3.6	2.8	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.8	1.4
135°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.8	0.8	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)