

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: P254359

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T4W-A-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P254359  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-20)  
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-T4W-A-7030  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5979.7 lumens  
Efficiency: N/A  
Efficacy: 93.4 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: B2 - 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

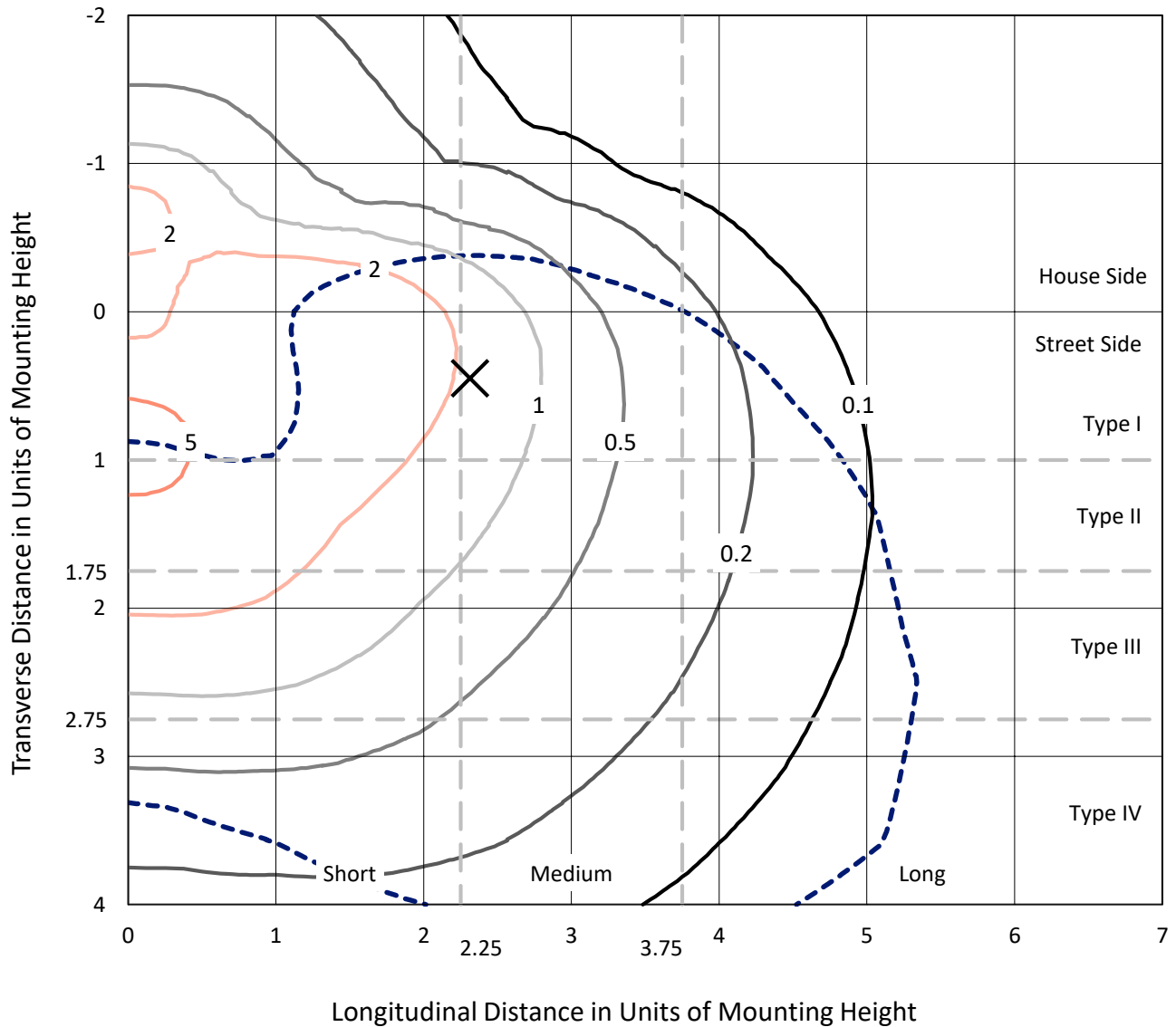


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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

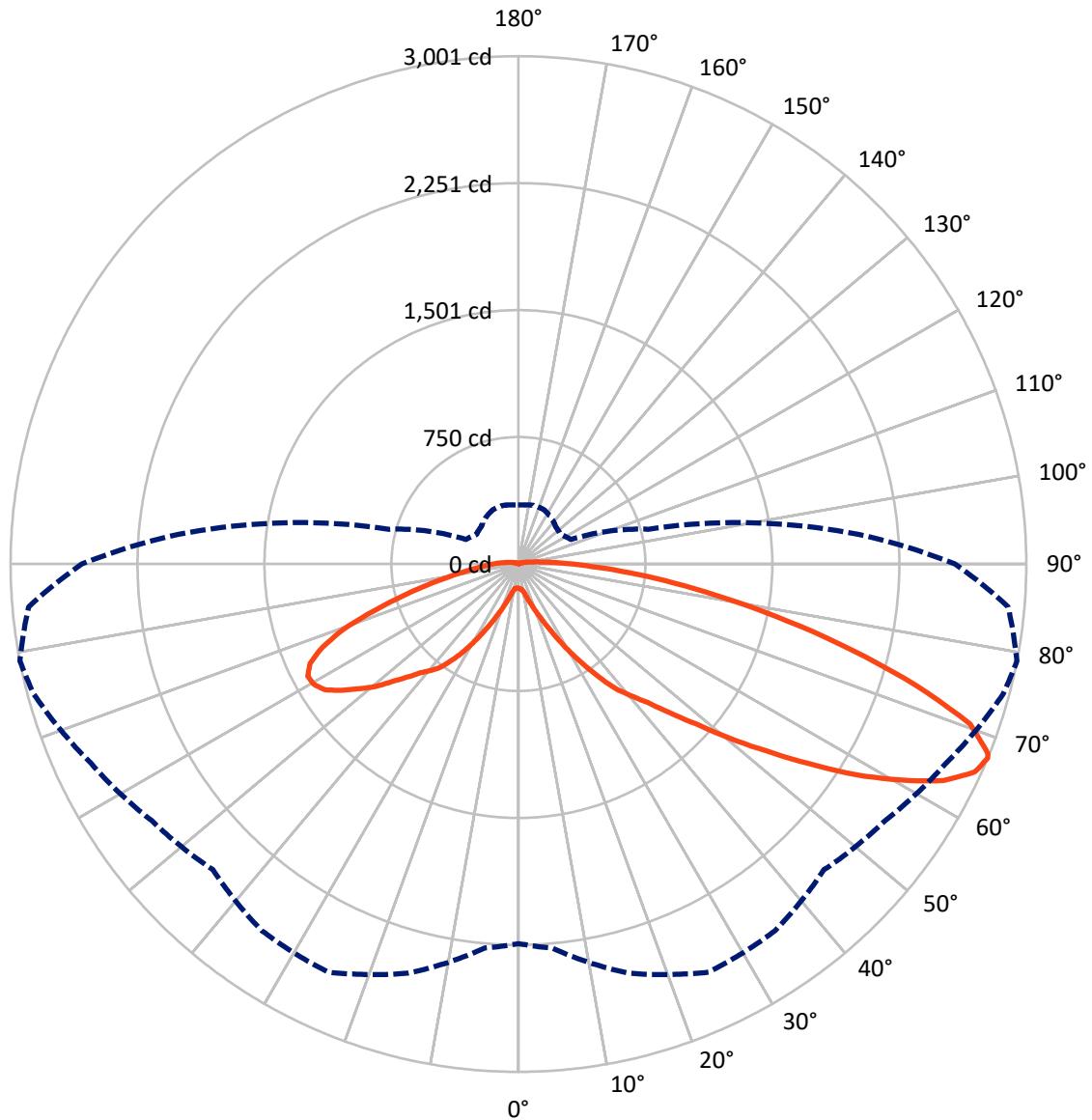


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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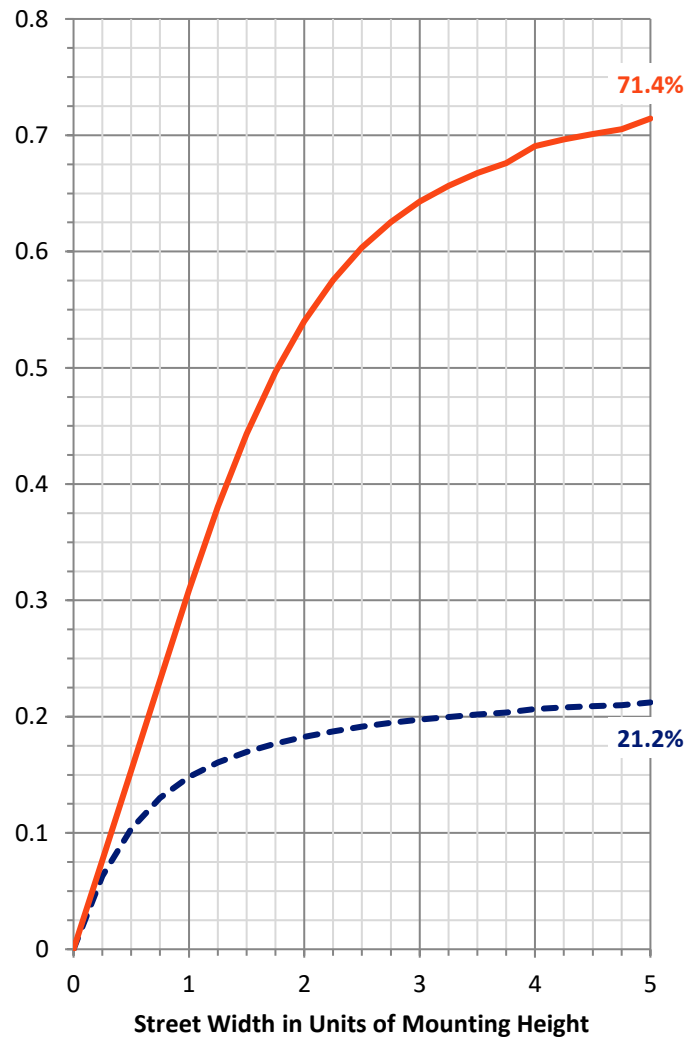
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1333.6	89.9	1423.5
	% Fixture	22.3	1.5	23.8
<b>Street Side</b>	Lumens	4431.5	124.7	4556.2
	% Fixture	74.1	2.1	76.2
<b>Total</b>	Lumens	5765.0	214.7	5979.7
	% Fixture	96.4	3.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	61.4	1.0
20°-30°	177.2	3.0
30°-40°	402.0	6.7
40°-50°	698.4	11.7
50°-60°	1119.0	18.7
60°-70°	1559.3	26.1
70°-80°	1231.7	20.6
80°-90°	501.6	8.4
90°-100°	143.1	2.4
100°-110°	42.6	0.7
110°-120°	16.5	0.3
120°-130°	7.9	0.1
130°-140°	3.6	0.1
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5765.0	96.4
0°-180°	5979.7	100.0



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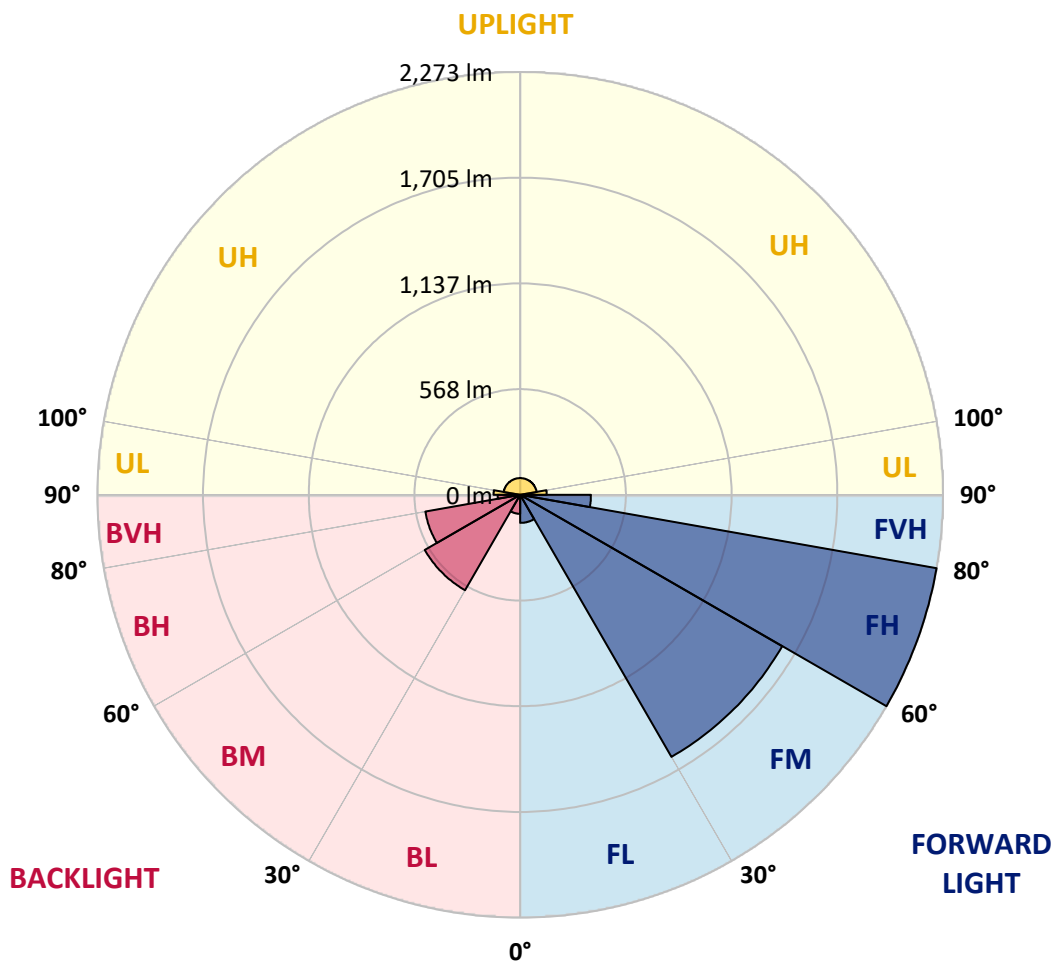
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.0	2.5			
FM (30°-60°)	1626.8	27.2			
FH (60°-80°)	2273.2	38.0			G2/5000
FVH (80°-90°)	380.5	6.4			G3/500
BL (0°-30°)	102.2	1.7	B0/110		
BM (30°-60°)	592.5	9.9	B1/1000		
BH (60°-80°)	517.8	8.7	B2/1000		G2/1000
BVH (80°-90°)	121.1	2.0			G2/225
UL (90°-100°)	143.1	2.4		U3/500	
UH (100°-180°)	89.9	1.5		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7
2.5°	153.2	153.2	153.9	153.9	153.9	152.5	150.3	148.1	146.7	146.0	144.5
5°	164.8	164.1	164.8	164.1	164.1	161.1	157.6	153.9	151.1	149.5	147.5
7.5°	181.4	181.4	180.8	179.3	177.8	172.7	166.9	162.6	158.3	155.3	153.2
10°	202.3	203.1	201.7	198.1	194.5	187.9	181.4	175.7	169.2	165.5	162.6
12.5°	234.9	234.9	232.0	224.1	215.3	207.5	200.3	194.5	191.5	187.9	185.0
15°	275.5	274.7	270.3	258.1	246.5	232.7	227.7	224.1	221.9	219.1	215.3
17.5°	323.1	322.5	314.4	297.8	279.7	269.7	261.6	258.1	259.5	256.6	253.7
20°	380.2	378.8	366.4	343.3	325.3	311.5	302.8	299.3	303.6	301.4	299.3
22.5°	453.2	449.6	432.2	399.1	378.0	355.6	347.7	346.3	356.3	356.3	356.3
25°	540.0	536.4	510.4	472.0	435.2	407.6	399.7	407.6	424.3	426.4	430.8
27.5°	640.4	636.1	604.3	550.7	501.6	464.8	458.3	474.1	500.2	510.4	514.6
30°	759.0	756.1	710.5	642.6	573.2	526.9	519.7	548.6	589.1	605.0	615.7
32.5°	899.2	895.6	829.9	749.5	652.8	594.9	589.1	633.1	693.9	709.1	730.7
35°	1072.6	1069.0	982.4	870.2	741.7	667.1	667.1	724.3	798.6	819.7	846.4
37.5°	1246.8	1246.1	1158.7	1009.0	839.8	746.7	748.1	813.9	903.5	936.1	960.6
40°	1416.6	1418.1	1318.4	1147.1	949.8	834.0	833.4	899.9	993.1	1021.3	1045.2
42.5°	1571.3	1570.7	1476.7	1293.8	1063.9	928.8	915.8	980.8	1079.9	1118.2	1150.0
45°	1679.1	1687.1	1614.8	1426.1	1178.9	1027.1	1000.4	1072.6	1199.1	1251.9	1294.5
47.5°	1812.8	1813.4	1747.0	1550.4	1296.7	1128.9	1104.5	1195.6	1356.0	1411.0	1455.8
50°	1960.2	1967.4	1914.8	1706.5	1429.7	1243.9	1234.5	1349.5	1540.3	1617.7	1673.3
52.5°	2086.0	2094.7	2062.2	1885.0	1590.2	1391.4	1391.4	1537.4	1741.9	1834.5	1888.6
55°	2178.5	2193.1	2200.9	2056.4	1771.6	1564.1	1580.1	1744.1	1971.1	2081.7	2147.5
57.5°	2252.3	2272.5	2310.1	2208.9	1950.2	1771.6	1794.7	1970.4	2246.5	2349.8	2419.2
60°	2361.4	2384.6	2452.6	2372.2	2155.4	1995.0	2026.0	2217.5	2499.6	2592.7	2645.5
62.5°	2372.2	2400.4	2537.8	2549.3	2347.7	2213.3	2281.9	2469.8	2738.7	2819.7	2831.2
65°	2322.5	2359.2	2541.4	2647.0	2552.2	2417.8	2514.6	2687.4	2910.0	2963.5	2933.8
67°	2242.9	2278.3	2502.4	2661.3	2644.7	2554.4	2644.7	2787.2	2965.8	3001.2	2905.6
67.5°	2208.9	2242.9	2480.7	2658.5	2656.3	2578.3	2665.7	2808.8	2968.6	2992.4	2884.8
70°	1991.4	2038.3	2292.7	2566.0	2651.2	2600.0	2702.5	2801.6	2840.6	2832.0	2677.3
72.5°	1609.0	1653.1	1930.6	2313.0	2508.1	2482.2	2573.2	2591.3	2522.6	2463.4	2252.3
75°	1180.3	1199.8	1455.8	1867.0	2187.3	2216.9	2285.4	2245.1	2119.3	2040.5	1825.8
77.5°	819.7	839.2	1035.8	1413.9	1763.7	1874.3	1942.2	1882.9	1750.7	1629.9	1395.8
80°	542.8	553.0	706.9	1030.0	1383.4	1537.4	1596.0	1535.2	1367.6	1249.1	1027.1
82.5°	331.0	350.6	461.8	722.1	1069.7	1259.1	1301.9	1231.7	1050.2	927.4	740.1
85°	198.8	208.9	295.6	487.9	787.1	998.9	1039.4	948.4	764.7	654.1	495.8
87.5°	122.9	127.2	185.7	315.9	552.2	745.9	789.3	681.6	516.0	435.8	331.8
90°	79.5	83.1	122.2	208.1	365.0	531.2	550.7	464.1	343.3	290.5	224.7
92.5°	53.5	56.4	83.1	138.1	240.0	348.4	362.8	306.5	226.9	193.7	153.2
95°	37.5	39.8	58.6	94.0	156.1	214.7	229.9	198.8	148.1	128.0	105.6
97.5°	29.0	30.4	44.1	68.0	105.6	138.8	144.5	129.4	100.5	88.2	76.6
100°	23.2	24.6	34.8	51.4	75.9	94.7	98.4	88.9	70.8	63.6	56.4
102.5°	20.2	20.2	28.2	40.4	57.2	70.2	70.8	63.6	52.0	47.0	43.3
105°	17.4	17.4	23.2	32.6	45.6	54.2	54.2	47.0	38.4	34.8	33.3
107.5°	14.4	15.2	19.5	26.0	36.2	43.3	41.9	34.8	27.5	25.3	24.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	12.2	13.0	16.6	21.7	29.6	35.4	33.3	26.8	20.2	18.8	18.8
112.5°	10.8	11.6	13.7	18.8	25.3	29.6	26.8	20.2	15.2	14.4	15.2
115°	10.2	10.2	12.2	16.6	21.7	24.6	22.4	16.6	12.2	11.6	12.2
117.5°	8.6	9.4	10.8	14.4	19.5	21.0	18.8	13.0	9.4	9.4	10.8
120°	8.6	8.6	10.2	13.0	17.4	18.8	16.0	10.8	7.9	7.9	9.4
122.5°	7.9	7.9	9.4	12.2	15.2	16.6	13.7	9.4	7.2	7.2	7.9
125°	7.9	7.9	9.4	11.6	13.7	13.7	11.6	7.9	6.5	6.5	7.2
127.5°	8.6	8.6	9.4	10.8	12.2	12.2	10.2	7.2	5.8	5.8	6.5
130°	8.6	8.6	8.6	10.2	10.8	10.2	8.6	6.5	5.8	5.8	6.5
132.5°	8.6	8.6	8.6	8.6	9.4	8.6	7.2	5.0	5.0	5.0	5.8
135°	7.9	7.9	7.2	7.9	7.9	6.5	5.0	3.6	4.4	4.4	5.0
137.5°	6.5	6.5	6.5	6.5	5.8	5.0	3.6	2.8	3.6	4.4	4.4
140°	5.8	5.8	5.0	5.0	4.4	3.6	2.1	2.8	3.6	3.6	3.6
142.5°	4.4	4.4	4.4	3.6	2.8	2.1	1.4	2.1	2.8	2.8	3.6
145°	2.8	2.8	2.8	2.1	1.4	0.8	1.4	1.4	2.1	2.8	2.8
147.5°	1.4	1.4	1.4	0.8	0.8	0.8	0.8	1.4	2.1	2.1	2.1
150°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.8	1.4	2.1	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	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°	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7	143.7
2.5°	143.7	143.1	141.0	139.6	138.1	137.3	136.6	136.6	135.9	135.2	135.2
5°	146.0	144.5	141.0	138.1	135.9	134.4	133.0	132.3	130.8	130.1	130.1
7.5°	150.3	148.1	143.7	138.8	135.2	133.0	131.5	130.1	128.7	128.7	128.7
10°	159.0	156.1	149.5	143.1	137.3	134.4	133.0	131.5	131.5	130.8	130.8
12.5°	180.8	176.4	165.5	153.9	143.7	139.6	138.1	141.7	146.0	146.7	148.9
15°	210.4	206.0	192.3	175.7	159.0	149.5	154.7	161.1	168.4	174.2	174.2
17.5°	247.3	242.1	223.3	200.3	180.0	174.2	175.7	185.0	195.1	200.3	200.9
20°	292.7	285.5	259.5	227.7	205.3	196.5	198.8	208.1	222.7	229.9	231.3
22.5°	349.8	339.0	304.3	259.5	232.0	220.4	222.7	234.2	253.7	263.9	267.4
25°	422.1	408.4	355.6	297.8	258.7	241.5	247.9	266.0	290.5	305.7	305.1
27.5°	505.3	483.6	417.8	337.5	285.5	261.6	271.7	297.0	326.6	344.0	346.3
30°	605.0	576.8	485.7	379.4	308.6	279.7	292.7	324.5	357.9	380.9	383.1
32.5°	715.5	682.4	555.1	421.4	327.4	293.5	307.9	347.7	386.0	413.4	414.2
35°	829.1	786.4	620.9	457.6	343.3	304.3	319.5	365.0	409.8	441.6	443.8
37.5°	937.5	887.6	681.6	481.4	353.5	310.1	326.0	379.4	430.1	464.1	466.2
40°	1019.2	957.7	719.2	489.4	355.6	313.0	331.8	385.2	430.1	456.0	457.6
42.5°	1121.8	1040.8	746.7	481.4	349.8	313.0	333.9	378.0	412.7	430.1	430.1
45°	1259.1	1159.4	788.7	472.0	338.2	310.9	328.1	362.0	385.2	393.9	393.9
47.5°	1423.2	1293.1	831.3	465.5	329.6	305.7	319.5	342.6	354.9	355.6	354.2
50°	1630.7	1462.2	884.0	456.0	324.5	300.7	311.5	326.6	333.9	331.0	329.6
52.5°	1828.7	1612.5	921.6	444.5	321.7	298.5	307.2	320.2	322.5	313.7	311.5
55°	2065.1	1788.9	947.6	425.8	318.7	299.9	307.2	318.1	316.7	305.1	302.8
57.5°	2300.7	1954.4	970.8	409.0	315.9	302.1	310.1	319.5	316.7	305.7	303.6
60°	2481.4	2068.0	957.7	391.8	313.0	305.7	315.1	324.5	324.5	315.9	315.1
62.5°	2623.1	2135.9	926.6	373.6	310.9	308.6	321.7	335.4	338.2	331.8	331.0
65°	2654.9	2108.4	866.7	356.3	307.9	310.9	330.3	347.7	349.8	343.3	342.6
67°	2580.3	2014.4	792.9	341.9	303.6	311.5	336.1	354.9	357.9	351.3	349.1
67.5°	2547.9	1977.6	774.1	338.2	302.1	311.5	336.8	355.6	359.3	352.7	350.6
70°	2298.5	1758.6	673.7	318.1	292.7	307.9	338.2	360.7	362.8	354.9	352.1
72.5°	1904.6	1418.1	557.3	298.5	281.2	298.5	333.2	357.1	356.3	344.8	342.6
75°	1510.0	1111.7	448.8	276.1	265.3	284.1	319.5	340.5	336.1	322.5	319.5
77.5°	1147.1	831.3	365.0	253.7	247.3	265.3	296.3	311.5	302.8	289.9	287.0
80°	817.5	598.5	297.0	232.7	227.7	243.5	267.4	275.5	269.7	257.3	253.7
82.5°	571.8	430.1	247.3	211.8	208.9	221.1	236.3	244.3	241.5	230.5	227.7
85°	395.4	300.7	208.1	190.8	189.3	198.1	207.5	212.5	214.7	208.9	205.3
87.5°	266.0	221.1	177.1	167.7	168.4	175.0	181.4	186.5	193.0	192.3	188.7
90°	190.1	165.5	148.1	143.7	145.4	152.5	155.3	158.3	166.3	166.3	164.1
92.5°	135.9	125.7	119.9	118.5	121.4	127.2	128.7	129.4	135.2	135.9	131.5
95°	96.8	91.8	94.0	95.4	98.4	103.4	102.6	100.5	103.4	103.4	99.8
97.5°	71.6	70.2	74.4	75.9	78.0	82.4	80.2	76.6	78.7	75.9	73.8
100°	54.9	54.9	60.0	60.7	62.2	64.4	63.6	60.7	61.4	57.8	56.4
102.5°	43.3	44.1	47.7	48.4	49.8	52.0	50.6	49.1	47.7	43.3	43.3
105°	34.0	34.8	37.5	38.4	39.8	41.9	41.2	39.0	36.8	33.3	33.3
107.5°	26.0	27.5	29.6	30.4	31.8	34.0	33.3	30.4	27.5	25.3	25.3



REPORT NUMBER: P254359

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T4W-A-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	20.2	21.7	23.8	24.6	25.3	27.5	26.0	23.2	21.0	19.5	19.5
112.5°	16.6	17.4	19.5	20.2	21.0	22.4	21.0	18.0	16.0	15.2	15.2
115°	13.7	14.4	16.0	16.6	18.0	18.0	16.6	13.7	12.2	12.2	12.2
117.5°	11.6	12.2	13.7	14.4	14.4	15.2	13.0	10.8	9.4	10.2	10.2
120°	10.2	10.2	11.6	11.6	12.2	12.2	10.8	8.6	7.2	7.9	8.6
122.5°	8.6	8.6	9.4	10.2	10.2	10.2	8.6	7.2	5.8	6.5	7.2
125°	7.2	7.9	7.9	8.6	8.6	8.6	7.2	5.8	5.0	5.8	5.8
127.5°	7.2	7.2	7.2	7.2	7.2	7.2	5.8	4.4	4.4	5.0	5.0
130°	6.5	6.5	6.5	6.5	5.8	5.0	4.4	2.8	3.6	4.4	4.4
132.5°	5.8	5.8	5.8	5.0	4.4	3.6	2.8	2.1	2.1	3.6	3.6
135°	5.0	5.0	4.4	3.6	2.8	2.1	1.4	1.4	1.4	2.8	2.8
137.5°	4.4	4.4	3.6	2.8	2.1	1.4	0.8	0.0	0.8	1.4	1.4
140°	4.4	4.4	3.6	2.1	1.4	0.8	0.0	0.0	0.0	0.8	0.8
142.5°	3.6	3.6	2.8	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	0.8	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)