

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: P254575

Luminaire Tested: **LXF.LXT-AF24-60-D-U-T3-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254575
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-AF24-60-D-U-T3-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6136 lumens
Efficiency: N/A
Efficacy: 95.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B2 - 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

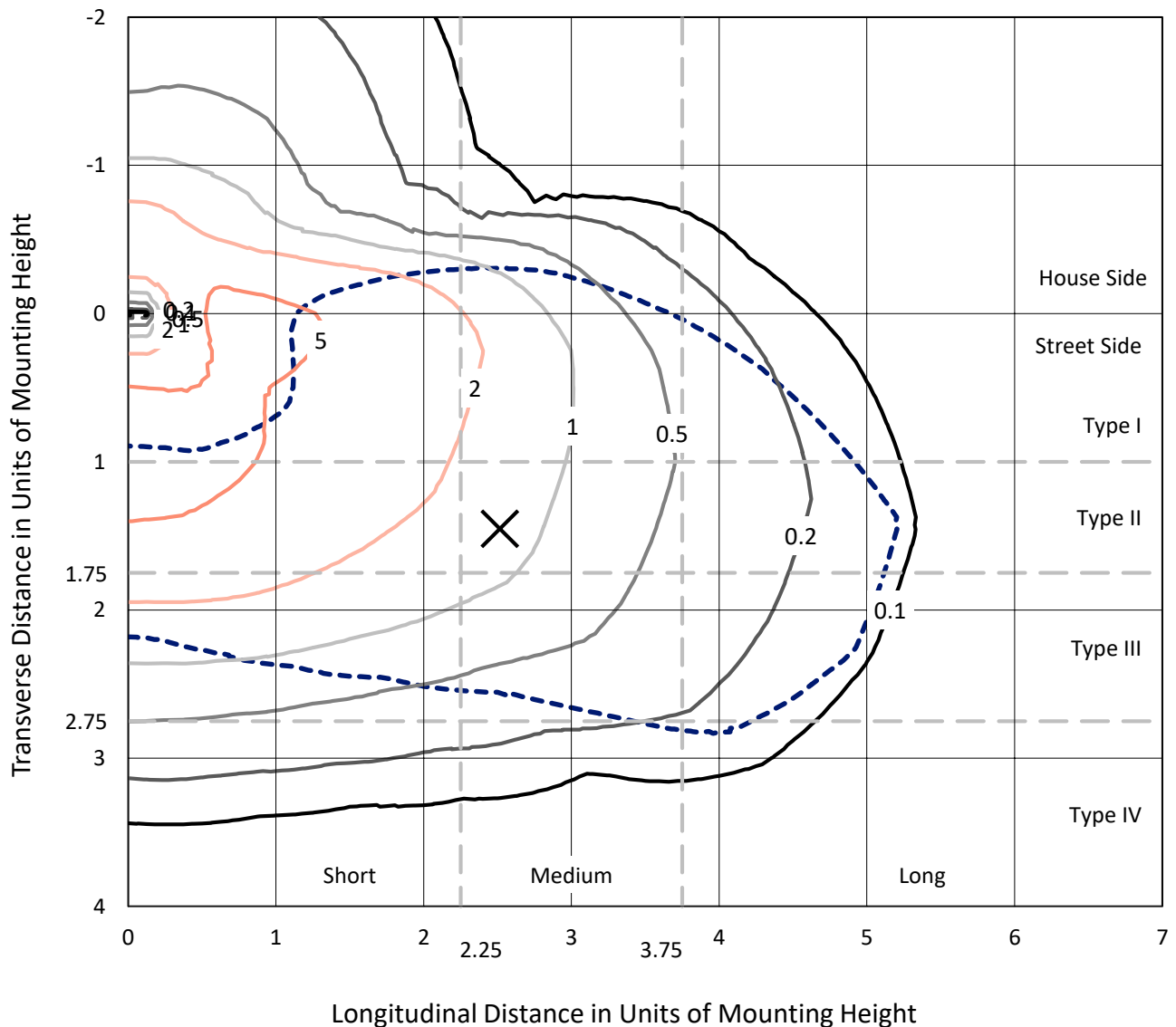


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

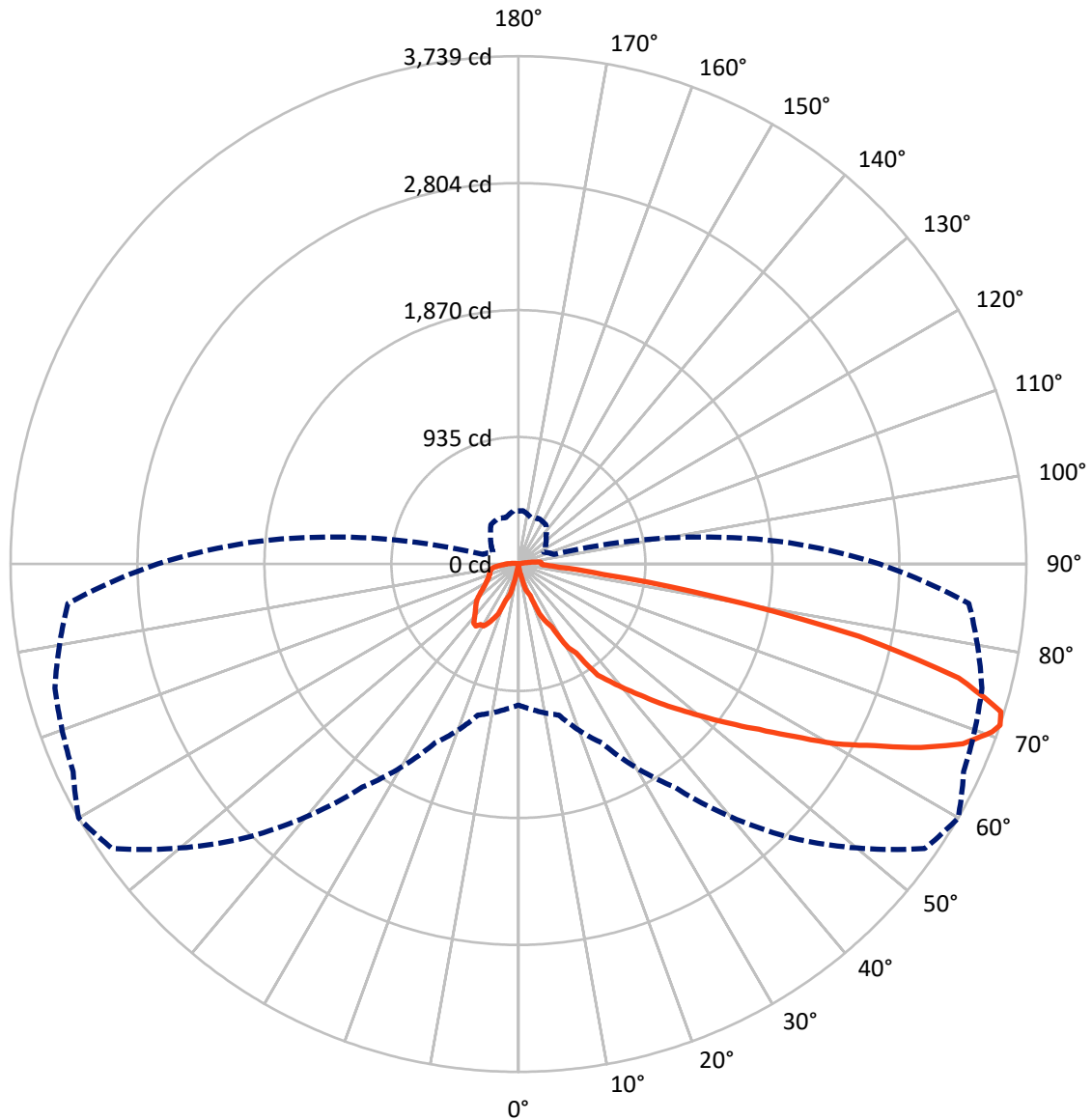


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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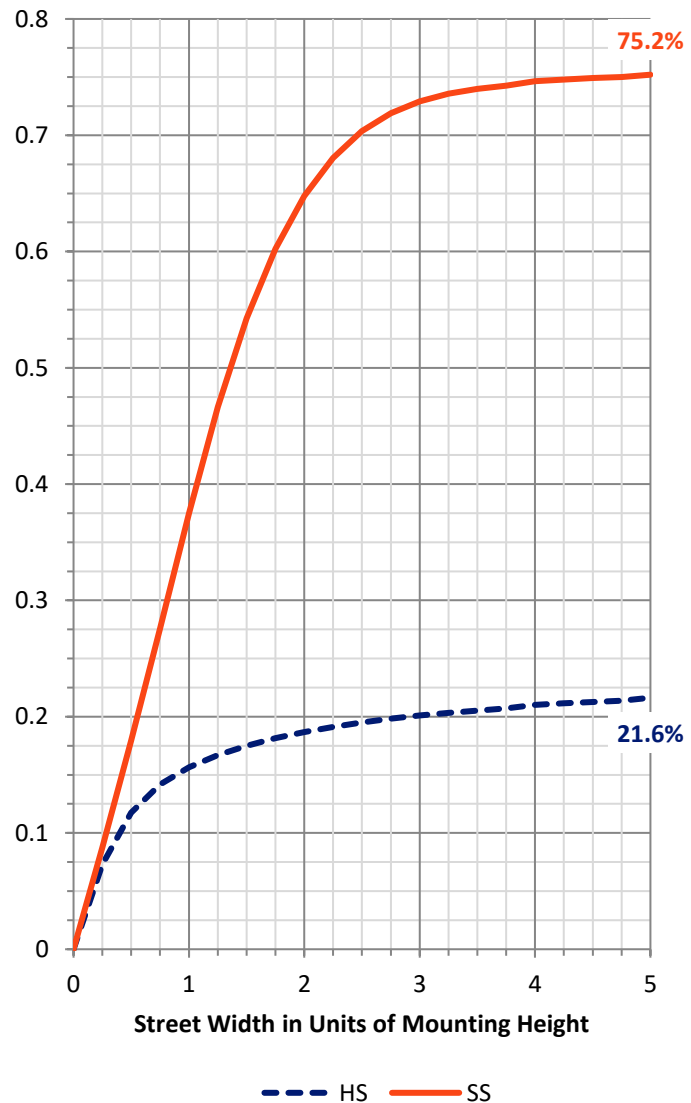
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1393.9	45.2	1439.2
	% Fixture	22.7	0.7	23.5
Street Side	Lumens	4652.7	44.1	4696.8
	% Fixture	75.8	0.7	76.5
Total	Lumens	6046.7	89.3	6136.0
	% Fixture	98.5	1.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	55.1	0.9
20°-30°	226.2	3.7
30°-40°	508.8	8.3
40°-50°	883.2	14.4
50°-60°	1338.2	21.8
60°-70°	1649.2	26.9
70°-80°	1124.0	18.3
80°-90°	258.7	4.2
90°-100°	79.0	1.3
100°-110°	7.4	0.1
110°-120°	1.2	0.0
120°-130°	0.8	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6046.7	98.5
0°-180°	6136.0	100.0



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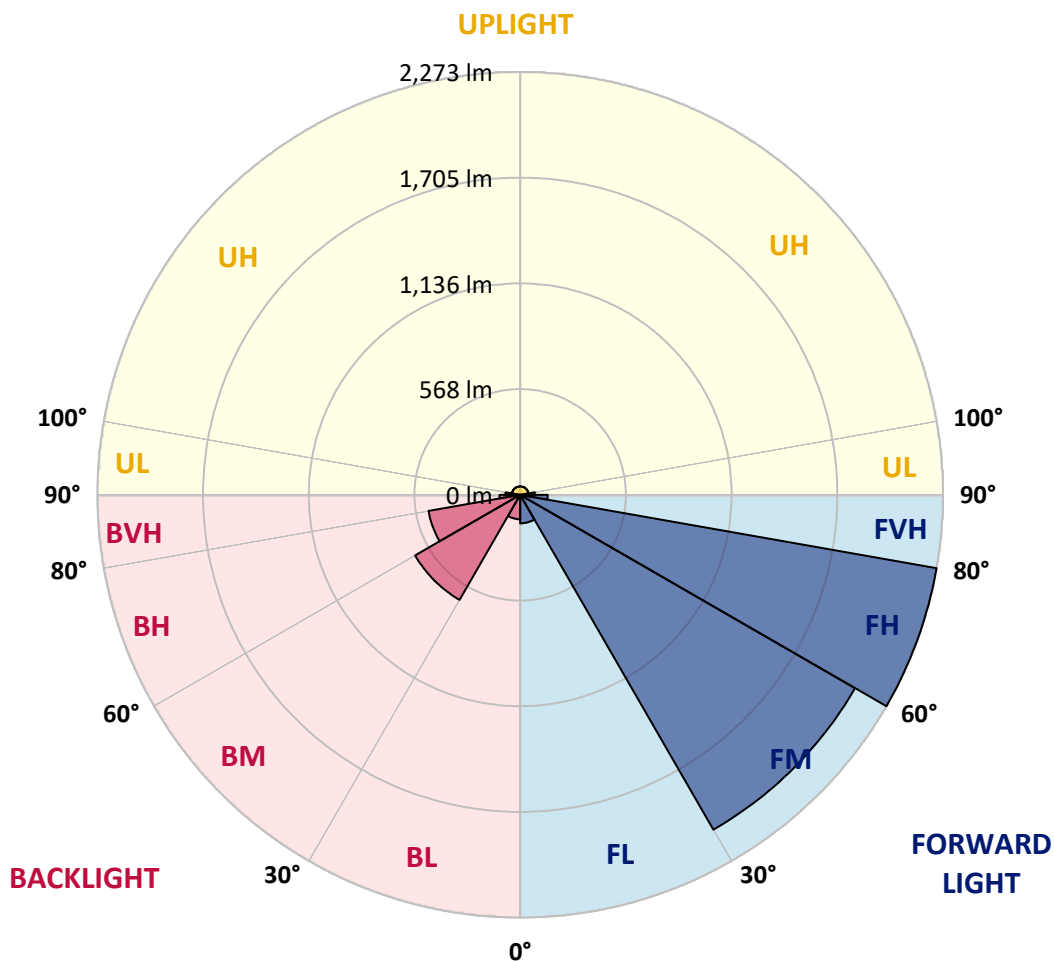
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	153.3	2.5			
FM	(30°-60°)	2078.3	33.9			
FH	(60°-80°)	2272.9	37.0			G2/5000
FVH	(80°-90°)	148.3	2.4			G2/225
BL	(0°-30°)	131.4	2.1	B1/500		
BM	(30°-60°)	651.9	10.6	B1/1000		
BH	(60°-80°)	500.3	8.2	B2/1000		G2/1000
BVH	(80°-90°)	110.4	1.8			G2/225
UL	(90°-100°)	79.0	1.3		U3/500	
UH	(100°-180°)	45.2	0.7		U2/50	

BUG Rating: B2-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°	3.6	4.4	2.8	3.6	3.6	2.8	2.1	2.1	2.8	2.8	2.1
5°	65.8	66.5	69.4	71.6	24.6	17.4	6.5	4.4	3.6	2.8	2.8
7.5°	83.1	81.7	80.2	75.9	78.0	72.9	43.3	18.0	8.6	3.6	2.8
10°	96.1	96.1	89.6	84.5	83.8	82.4	78.0	71.6	34.0	7.2	5.0
12.5°	175.7	170.6	162.7	133.8	101.9	91.8	89.6	91.8	75.2	74.4	99.8
15°	200.9	202.3	198.1	187.2	181.5	117.1	153.9	191.5	192.3	153.9	173.5
17.5°	260.9	259.5	237.1	216.2	210.4	224.1	224.7	215.3	216.2	192.3	204.6
20°	388.2	391.8	373.0	315.9	255.8	295.6	287.0	249.3	254.5	362.8	374.4
22.5°	455.4	462.6	440.2	416.4	412.8	328.3	370.8	396.1	384.6	427.9	430.8
25°	675.9	656.3	571.8	489.4	500.2	437.2	479.9	467.0	446.7	478.5	553.7
27.5°	735.9	740.9	719.3	677.3	573.9	597.1	544.3	522.6	602.1	671.5	691.7
30°	872.4	872.4	795.1	779.2	733.6	667.1	712.0	705.5	719.3	730.1	767.6
32.5°	1059.7	1047.4	1012.8	892.6	842.8	763.2	821.1	781.4	805.2	953.4	1016.3
35°	1252.6	1251.9	1133.3	1045.2	943.2	931.0	903.6	1006.2	1034.3	1040.9	1103.1
37.5°	1498.4	1500.5	1436.2	1177.5	1072.7	1016.3	1088.5	1095.1	1128.3	1185.5	1204.9
40°	1692.1	1680.5	1598.1	1405.2	1234.6	1154.4	1217.2	1206.4	1263.5	1309.0	1337.3
42.5°	1934.3	1927.0	1813.6	1590.2	1458.6	1330.7	1348.0	1319.9	1361.1	1474.6	1486.2
45°	2162.0	2148.2	2043.4	1804.9	1666.9	1526.0	1488.3	1462.3	1471.7	1600.3	1644.5
47.5°	2314.4	2298.6	2258.8	2024.7	1916.2	1731.9	1654.5	1602.5	1614.1	1757.9	1830.9
50°	2505.4	2452.6	2417.2	2207.5	2130.1	1981.3	1817.2	1766.6	1792.6	1924.2	2037.6
52.5°	2607.3	2535.7	2536.4	2386.8	2313.8	2208.2	1998.6	1949.4	1984.1	2109.9	2274.8
55°	2530.6	2523.4	2586.2	2501.0	2459.8	2368.7	2194.5	2149.6	2206.8	2353.6	2535.7
57.5°	2421.5	2432.3	2561.7	2602.1	2602.1	2529.2	2412.1	2393.4	2454.7	2603.6	2786.4
60°	2296.4	2323.2	2488.7	2605.1	2691.0	2686.6	2647.1	2686.0	2704.0	2845.7	3092.2
62.5°	2112.8	2125.1	2318.8	2554.5	2695.4	2833.4	2894.2	2944.1	3012.8	3129.0	3353.9
65°	1902.4	1917.6	2111.3	2418.6	2671.6	2929.6	3136.3	3257.0	3278.0	3371.3	3542.5
67.5°	1630.7	1647.3	1816.4	2163.5	2577.7	3007.7	3382.7	3530.2	3494.8	3481.9	3587.4
70°	1263.5	1262.8	1382.0	1700.8	2234.3	2977.4	3600.4	3700.8	3609.1	3537.5	3463.1
71°	1038.0	1073.4	1151.5	1452.9	2005.1	2853.8	3652.4	3739.2	3617.0	3533.1	3329.3
72.5°	661.3	702.5	769.0	1036.6	1600.3	2534.3	3606.8	3713.8	3591.1	3480.5	3060.5
75°	260.9	270.3	319.5	479.9	868.1	1706.6	3184.8	3347.3	3299.0	3199.2	2453.3
77.5°	157.6	162.7	181.5	240.0	398.2	789.3	2326.0	2562.4	2647.7	2601.5	1688.5
80°	118.5	123.6	140.2	169.2	266.0	328.3	1228.8	1472.4	1682.7	1680.5	947.6
82.5°	90.3	93.2	109.2	119.3	198.1	226.9	463.4	626.7	815.3	815.3	469.9
85°	83.8	83.8	88.9	80.2	131.5	162.7	275.5	301.4	318.8	338.2	273.9
87.5°	33.3	32.6	42.6	41.2	57.8	107.0	174.2	182.1	170.6	206.7	236.3
90°	22.4	23.2	18.0	18.0	31.8	98.4	159.0	166.9	156.9	186.5	242.9
92.5°	21.7	22.4	16.6	16.6	23.8	81.7	166.3	169.2	161.1	192.3	247.3
95°	19.5	20.2	13.7	13.7	18.8	49.8	154.7	159.0	138.1	155.3	198.1
97.5°	15.2	16.0	9.4	10.2	14.4	18.8	92.6	99.0	77.3	72.9	86.0
100°	10.2	10.8	5.8	7.2	8.6	8.6	35.4	38.4	34.8	18.8	10.8
102.5°	9.4	10.2	4.4	4.4	4.4	2.8	7.2	11.6	6.5	7.9	9.4
105°	8.6	10.2	2.8	2.1	1.4	1.4	2.1	2.8	3.6	5.0	10.2
107.5°	5.8	6.5	1.4	1.4	0.8	1.4	1.4	1.4	2.1	3.6	9.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	2.8	2.8	0.8	0.8	0.0	0.8	0.8	1.4	2.1	2.8	4.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4	2.1	3.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	1.4	2.1	3.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.1	3.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	2.1	3.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	2.1	3.6
125°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	3.6
127.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	2.8
130°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.8
132.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.4
140°	0.8	0.8	0.8	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.4
142.5°	1.4	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	1.4	1.4
145°	1.4	1.4	0.8	0.8	0.0	0.0	0.8	0.8	1.4	1.4	1.4
147.5°	2.1	2.1	0.8	0.0	0.0	0.0	0.8	0.8	1.4	1.4	2.1
150°	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.8	1.4	1.4	2.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.1	1.4	0.8	0.8	0.8	0.8	0.8	0.8
5°	2.1	2.1	2.1	2.1	2.1	1.4	2.8	4.4	5.0	5.8	5.8
7.5°	2.8	2.8	2.8	2.8	2.8	5.8	36.2	80.2	91.8	98.4	96.1
10°	5.0	5.0	4.4	5.0	18.0	89.6	109.2	117.1	118.5	123.6	128.0
12.5°	107.0	91.8	43.3	24.6	92.6	116.4	125.7	132.3	139.6	173.5	155.3
15°	177.1	180.8	177.1	195.1	218.3	131.5	156.1	238.5	258.7	264.5	263.1
17.5°	209.7	205.3	205.3	250.1	258.7	257.3	248.7	266.0	271.1	279.7	276.9
20°	390.3	391.8	367.8	290.6	276.1	346.3	278.3	277.5	331.0	380.2	381.7
22.5°	435.2	438.7	427.2	430.8	361.4	357.9	349.1	366.4	387.5	396.8	394.0
25°	590.5	550.1	476.4	443.8	438.0	365.8	412.0	378.0	380.9	386.0	389.6
27.5°	715.6	710.5	662.8	541.4	438.0	443.8	396.8	390.3	433.6	438.0	438.7
30°	774.8	761.9	708.3	569.6	480.6	425.0	386.7	417.1	410.6	414.8	414.8
32.5°	1032.9	1027.1	909.4	584.7	465.5	393.3	396.1	395.4	433.0	445.2	442.4
35°	1102.3	1091.5	917.2	664.3	441.6	396.8	373.0	401.2	401.2	406.2	404.8
37.5°	1188.3	1170.2	930.3	636.1	456.0	373.0	365.0	373.0	393.3	399.1	395.4
40°	1306.8	1265.7	919.4	589.1	425.8	369.4	351.3	365.8	364.3	357.1	353.5
42.5°	1430.4	1381.4	920.2	545.8	401.8	364.3	347.0	344.0	339.7	328.3	326.0
45°	1591.0	1494.1	931.0	515.3	381.7	361.4	342.6	329.6	323.1	311.5	309.4
47.5°	1773.9	1614.8	927.4	490.8	361.4	352.7	329.6	317.3	313.7	297.8	295.6
50°	1958.2	1731.9	930.3	457.6	338.2	343.3	326.0	308.6	302.1	284.1	283.3
52.5°	2173.5	1854.0	911.4	409.8	311.5	331.0	328.3	310.9	310.9	284.1	281.9
55°	2386.8	2003.7	895.6	359.3	293.5	320.9	332.4	326.0	324.5	287.7	285.5
57.5°	2597.1	2132.3	844.2	315.1	281.9	312.3	342.6	336.1	331.8	302.1	295.6
60°	2824.1	2300.8	747.5	280.5	275.5	305.1	345.5	344.8	320.2	317.3	313.7
62.5°	2994.7	2398.3	622.3	257.3	266.0	302.8	344.0	344.0	323.1	322.5	320.9
65°	3075.6	2410.6	470.6	239.3	256.6	299.3	339.0	352.7	336.1	338.2	335.4
67.5°	3034.4	2317.4	354.2	223.3	247.9	296.3	339.7	362.8	347.7	370.1	366.4
70°	2816.8	2077.3	291.2	212.5	245.1	291.2	349.8	365.8	355.6	391.8	387.5
71°	2658.5	1922.8	271.7	206.0	245.1	288.5	352.1	366.4	354.2	394.0	390.3
72.5°	2390.4	1650.3	250.9	196.5	243.5	287.0	352.1	365.8	358.5	403.3	396.8
75°	1801.2	1132.7	224.7	191.5	242.1	282.7	344.8	359.3	352.7	386.7	385.2
77.5°	1154.4	662.1	200.9	190.8	236.3	280.5	335.4	346.3	334.7	363.7	362.0
80°	635.4	380.2	178.5	178.5	224.7	275.5	320.9	323.1	311.5	333.9	324.5
82.5°	377.3	269.7	148.1	156.9	208.1	261.6	305.1	294.9	282.7	323.9	275.5
85°	254.5	209.7	101.9	120.7	187.2	226.9	271.7	255.8	234.9	236.3	225.5
87.5°	211.1	166.9	53.5	78.7	145.4	166.3	201.7	185.7	164.1	161.1	151.8
90°	209.7	162.7	42.6	70.8	116.4	128.7	156.1	141.0	128.7	133.8	126.5
92.5°	211.1	161.1	44.1	60.7	95.4	96.9	128.0	122.2	111.3	113.5	106.3
95°	169.2	126.5	42.6	48.4	54.2	51.4	78.7	78.7	68.0	64.4	60.0
97.5°	70.8	63.0	39.8	39.0	38.4	28.2	45.6	52.0	35.4	23.8	21.0
100°	10.8	18.0	33.3	36.8	26.8	16.6	29.0	33.3	18.8	3.6	2.8
102.5°	10.8	9.4	13.7	27.5	16.0	4.4	11.6	18.8	9.4	2.1	2.8
105°	11.6	9.4	5.8	14.4	3.6	1.4	0.8	5.0	1.4	2.1	2.1
107.5°	10.8	8.6	3.6	2.8	2.1	0.8	0.0	0.0	0.0	2.1	2.8



REPORT NUMBER: P254575

CATALOG NUMBER: LXF.LXT-AF24-60-D-U-T3-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	5.8	5.0	3.6	2.1	1.4	0.8	0.0	0.0	0.0	2.1	2.8
112.5°	3.6	4.4	2.8	2.1	0.8	0.8	0.0	0.0	0.0	2.8	3.6
115°	4.4	4.4	2.8	1.4	0.8	0.0	0.0	0.0	0.0	2.8	3.6
117.5°	4.4	4.4	2.8	1.4	0.8	0.0	0.0	0.0	0.0	2.8	3.6
120°	4.4	4.4	2.8	1.4	0.8	0.0	0.0	0.0	0.0	2.8	3.6
122.5°	4.4	4.4	2.8	1.4	0.8	0.0	0.0	0.0	0.0	2.1	2.8
125°	3.6	3.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0	2.1	2.8
127.5°	3.6	3.6	2.1	1.4	0.0	0.0	0.0	0.0	0.0	1.4	2.1
130°	3.6	3.6	2.1	0.8	0.0	0.0	0.0	0.0	0.0	0.8	1.4
132.5°	2.8	2.8	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.1	2.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.1	2.1	1.4	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	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)