

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: P254898

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T4W-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254898
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-30)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-T4W-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5129.7 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

Input Watts (W): 54
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

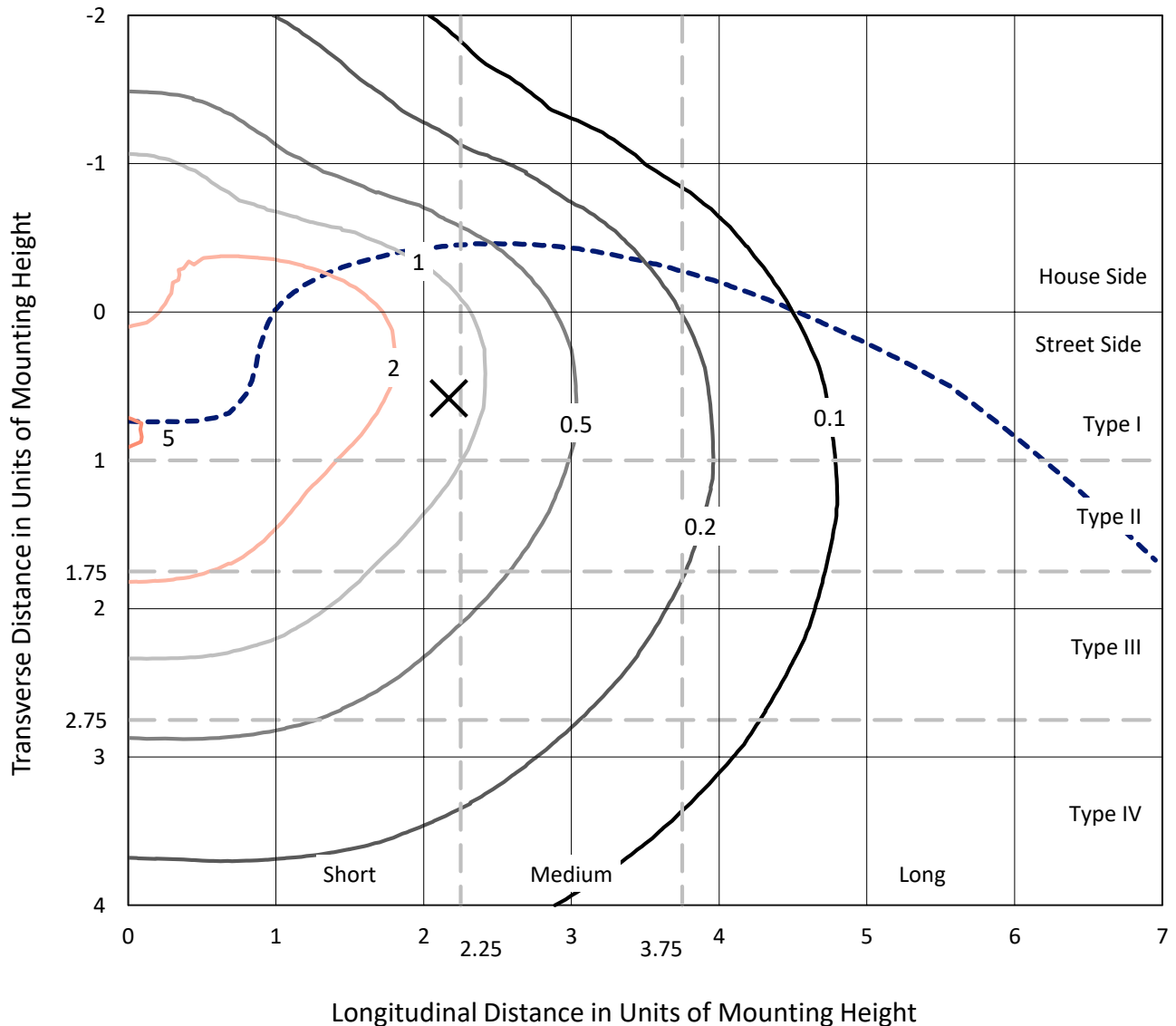


REPORT NUMBER: P254898

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

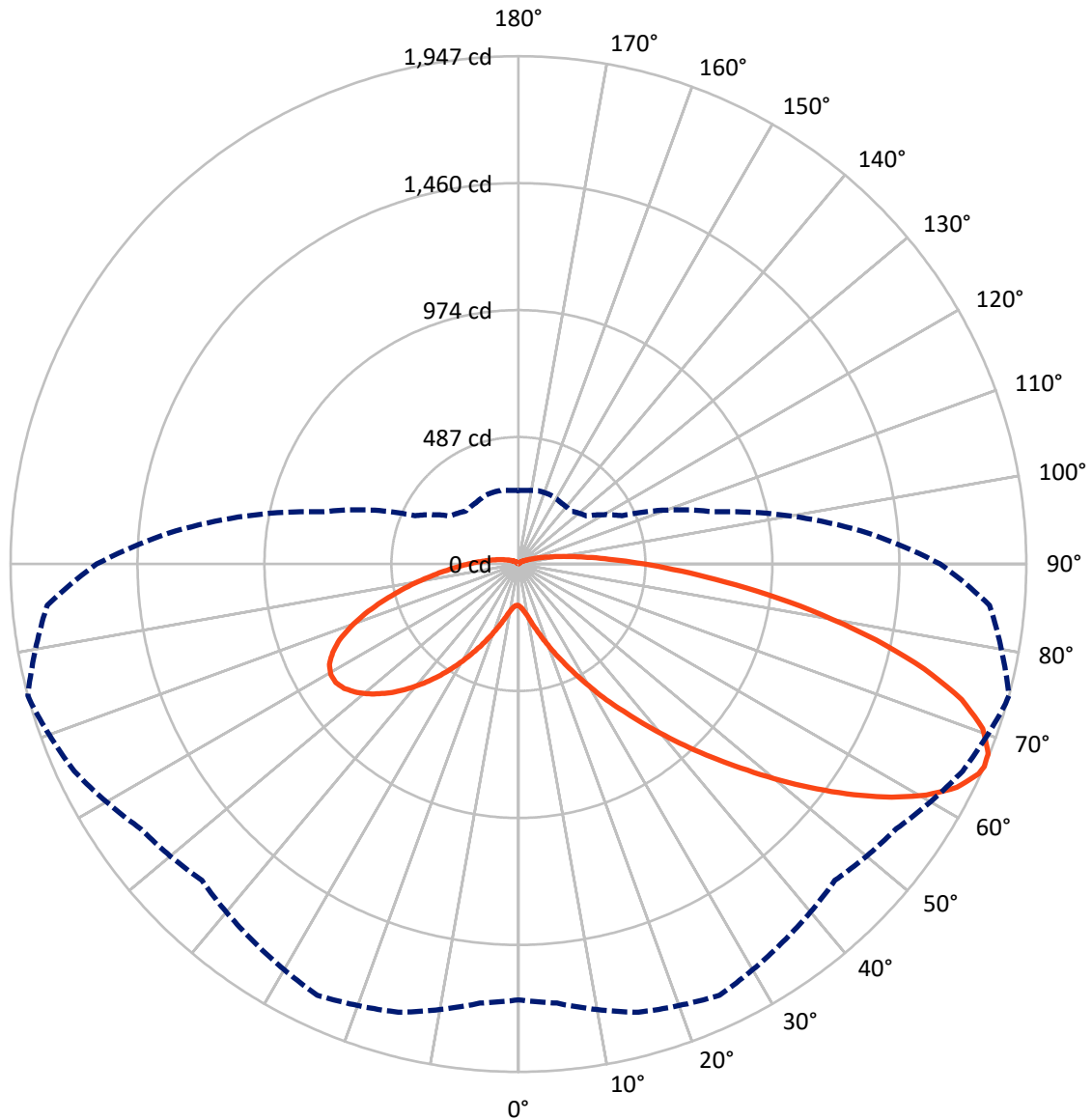


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P254898

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7030

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P254898

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7030

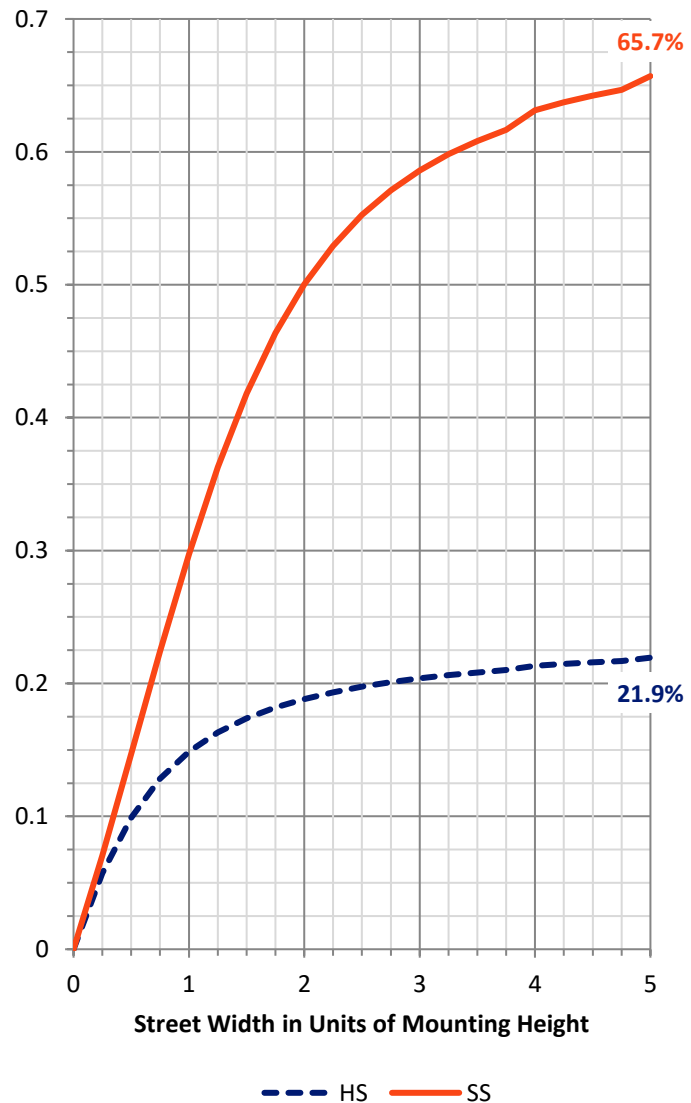
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1188.7	128.1	1316.8
	% Fixture	23.2	2.5	25.7
Street Side	Lumens	3564.4	248.5	3812.9
	% Fixture	69.5	4.8	74.3
Total	Lumens	4753.1	376.6	5129.7
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	0.3
10°-20°	71.1	1.4
20°-30°	179.7	3.5
30°-40°	359.6	7.0
40°-50°	611.4	11.9
50°-60°	909.8	17.7
60°-70°	1117.1	21.8
70°-80°	960.7	18.7
80°-90°	526.7	10.3
90°-100°	219.8	4.3
100°-110°	89.8	1.8
110°-120°	39.6	0.8
120°-130°	18.0	0.4
130°-140°	7.5	0.1
140°-150°	1.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4753.1	92.7
0°-180°	5129.7	100.0



REPORT NUMBER: P254898

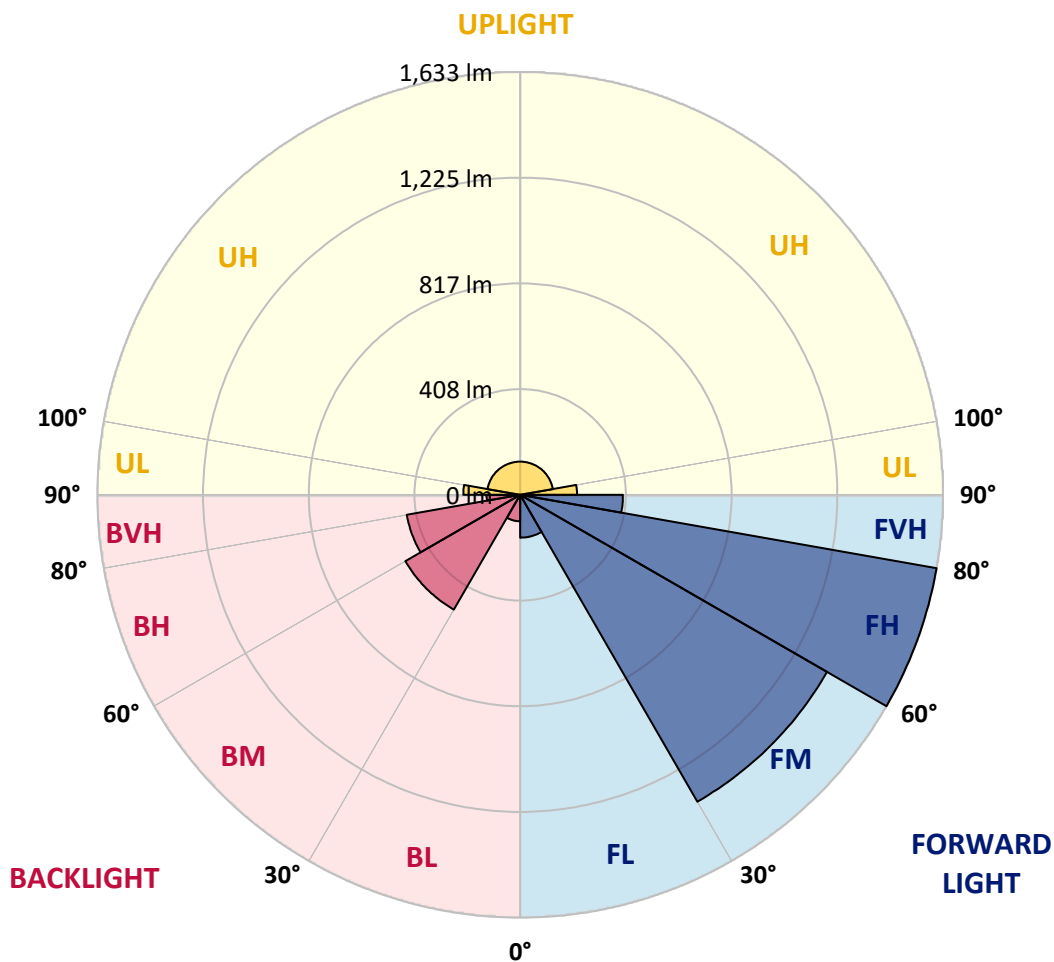
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.5	3.2			
FM	(30°-60°)	1368.8	26.7			
FH	(60°-80°)	1633.3	31.8			G1/1800
FVH	(80°-90°)	396.8	7.7			G3/500
BL	(0°-30°)	102.3	2.0	B0/110		
BM	(30°-60°)	512.0	10.0	B1/1000		
BH	(60°-80°)	444.6	8.7	B1/500		G1/500
BVH	(80°-90°)	129.9	2.5			G2/225
UL	(90°-100°)	219.8	4.3		U3/500	
UH	(100°-180°)	128.1	2.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Short





REPORT NUMBER: P254898

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	176.4	176.4	175.8	175.8	173.9	172.0	170.8	167.6	165.7	165.7	163.3
5°	195.1	195.1	194.5	193.3	190.7	187.7	183.9	179.5	175.8	175.2	170.8
7.5°	218.3	218.3	217.1	214.5	210.8	206.4	201.4	195.1	189.6	188.3	182.0
10°	247.0	247.0	245.2	241.5	236.4	230.9	224.0	215.1	207.7	207.0	198.3
12.5°	283.3	281.5	280.2	274.0	267.1	259.6	251.4	240.8	233.3	233.3	221.5
15°	324.6	324.6	319.7	311.5	302.7	292.7	284.0	273.3	264.6	264.0	250.2
17.5°	370.3	369.8	364.1	354.0	342.2	332.1	320.9	308.9	299.1	299.1	282.8
20°	422.9	421.6	414.1	401.0	386.6	375.3	362.8	349.1	338.3	338.3	320.2
22.5°	482.9	480.4	471.0	452.9	438.4	422.2	407.9	394.1	382.9	384.0	363.4
25°	550.4	547.3	535.5	512.3	491.6	472.2	457.9	443.5	435.4	432.2	415.3
27.5°	626.8	620.5	607.4	578.0	548.6	524.8	509.8	499.2	491.6	489.2	469.9
30°	710.6	704.2	686.1	649.3	610.5	580.5	566.1	558.0	554.2	551.1	531.6
32.5°	806.4	799.4	774.4	728.1	678.1	640.5	626.8	623.0	623.0	620.5	601.2
35°	910.1	901.4	871.4	813.2	749.9	704.9	691.8	693.7	694.4	692.4	676.2
37.5°	1020.8	1011.4	975.8	906.5	827.5	773.8	760.7	769.4	781.9	774.9	758.1
40°	1134.6	1125.9	1087.7	1003.3	908.9	845.6	832.5	850.0	870.1	864.5	845.6
42.5°	1248.0	1244.1	1196.0	1105.9	995.8	921.4	912.0	938.9	966.4	962.7	942.1
45°	1371.1	1359.8	1313.0	1212.2	1089.0	1009.0	998.3	1034.5	1072.2	1068.3	1047.7
47.5°	1481.9	1471.1	1426.8	1319.9	1182.8	1095.9	1089.0	1137.8	1185.4	1181.0	1160.4
50°	1575.1	1573.8	1536.3	1425.5	1281.7	1186.5	1186.0	1247.3	1305.4	1304.2	1277.9
52.5°	1664.4	1662.6	1628.2	1528.1	1380.5	1277.9	1282.9	1363.0	1432.4	1432.4	1397.4
55°	1733.3	1732.7	1712.6	1625.7	1478.1	1379.3	1393.6	1481.9	1561.4	1561.4	1526.3
57.5°	1781.5	1780.8	1778.3	1712.1	1571.9	1475.5	1498.2	1598.8	1685.1	1687.1	1640.7
60°	1792.7	1798.4	1823.4	1781.5	1655.8	1563.2	1593.8	1706.4	1795.2	1798.4	1735.1
62.5°	1772.7	1781.5	1832.2	1823.4	1719.5	1641.9	1680.2	1795.9	1881.6	1886.6	1799.6
65°	1706.4	1724.5	1802.1	1830.8	1759.6	1699.5	1750.3	1860.9	1932.2	1939.2	1820.3
66°	1670.8	1690.1	1779.0	1824.0	1768.4	1715.8	1768.9	1879.0	1942.8	1947.2	1813.3
67.5°	1603.2	1622.6	1727.7	1797.1	1768.4	1731.4	1784.6	1891.6	1941.0	1942.8	1789.0
70°	1458.1	1488.1	1605.7	1713.3	1732.1	1723.3	1783.9	1872.8	1895.3	1889.1	1695.8
72.5°	1298.5	1315.5	1444.3	1590.7	1653.8	1670.8	1740.2	1802.1	1787.2	1777.7	1555.7
75°	1089.0	1113.5	1254.2	1421.1	1517.5	1569.4	1643.8	1665.7	1628.2	1608.2	1371.1
77.5°	909.5	919.5	1050.8	1222.3	1349.3	1420.0	1490.0	1496.9	1419.3	1402.5	1156.6
80°	723.1	733.1	853.9	1018.3	1156.0	1249.2	1310.4	1292.3	1194.8	1178.5	956.4
82.5°	564.9	578.6	671.2	828.1	961.4	1059.6	1106.6	1077.2	984.5	961.4	761.9
85°	433.4	440.4	526.7	661.8	779.3	868.8	907.6	875.0	775.6	757.5	598.6
87.5°	330.3	337.2	410.4	516.7	620.5	696.8	726.9	685.6	604.9	592.9	464.8
90°	252.1	257.1	315.2	406.6	486.6	549.8	570.5	538.0	466.0	455.4	357.9
92.5°	193.3	197.6	242.7	315.2	381.0	434.8	443.5	412.9	357.2	347.8	275.3
95°	148.3	153.3	189.6	246.5	297.7	338.3	344.7	318.4	274.0	266.5	212.1
97.5°	116.4	118.2	148.9	195.1	237.1	265.2	267.6	247.7	209.6	204.6	163.3
100°	93.2	94.4	118.2	154.5	188.9	209.6	210.8	190.1	160.7	157.0	125.1
102.5°	75.7	76.9	95.0	124.4	150.1	167.0	166.4	150.1	124.4	119.4	97.6
105°	62.6	63.2	77.6	101.3	122.0	133.2	132.6	117.0	95.7	92.6	76.3
107.5°	52.6	53.2	63.8	82.6	100.1	109.5	107.6	92.0	74.4	72.5	60.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	44.4	45.1	53.2	68.9	84.4	90.6	88.2	73.2	58.8	56.3	48.8
112.5°	38.8	38.8	45.1	57.6	70.7	76.3	72.5	59.4	46.3	45.1	40.0
115°	33.8	34.4	38.8	48.8	60.1	63.8	60.1	47.5	37.5	36.3	33.1
117.5°	30.0	30.0	33.8	41.3	50.7	53.2	49.3	38.8	30.7	30.0	28.2
120°	26.9	26.9	29.4	35.1	42.5	45.1	41.3	31.9	25.0	24.4	23.8
122.5°	24.4	24.4	25.6	30.0	36.3	37.5	33.8	26.2	21.3	20.6	20.6
125°	21.9	21.9	22.5	25.6	30.7	31.9	28.2	21.3	18.1	17.5	17.5
127.5°	20.0	20.0	20.0	22.5	25.0	26.2	23.2	17.5	15.0	15.0	15.7
130°	18.1	18.1	18.1	18.8	20.6	21.3	18.8	14.4	13.1	13.1	13.1
132.5°	16.3	16.3	15.7	16.3	16.9	16.9	14.4	11.9	11.3	11.3	11.9
135°	14.4	14.4	13.7	13.7	13.7	13.1	11.3	9.4	9.4	9.4	10.1
137.5°	12.6	12.6	11.9	11.3	10.6	9.4	8.0	7.5	7.5	7.5	8.0
140°	10.6	10.6	10.1	8.7	7.5	6.9	5.7	5.7	6.2	6.2	6.2
142.5°	8.0	8.0	7.5	6.9	5.7	4.4	3.8	3.8	4.4	4.4	5.0
145°	6.2	6.2	5.7	4.4	3.2	2.5	1.8	2.5	3.2	3.2	3.8
147.5°	4.4	4.4	3.8	3.2	1.8	0.6	1.2	1.8	2.5	2.5	3.2
150°	2.5	2.5	1.8	1.2	0.0	0.0	0.6	1.2	1.8	1.8	1.8
152.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.6	1.2	1.2	1.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
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°	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2	160.2
2.5°	162.0	160.7	158.2	156.3	153.8	152.6	151.4	150.1	149.4	148.3	148.3
5°	167.6	165.7	161.3	157.7	153.3	150.1	147.0	145.1	143.9	143.2	143.2
7.5°	178.3	175.2	168.3	162.7	156.3	152.6	148.9	145.1	143.2	142.6	142.6
10°	193.3	189.6	180.2	172.0	163.9	158.2	154.5	150.1	148.3	147.0	147.0
12.5°	215.1	208.9	197.6	185.7	175.2	168.3	163.3	160.2	160.2	161.3	160.7
15°	242.7	235.8	219.5	204.6	190.1	180.9	177.6	177.0	177.0	177.6	177.6
17.5°	272.7	263.4	244.6	225.2	208.2	199.0	195.1	193.9	193.9	194.5	195.8
20°	308.9	297.0	273.3	248.3	230.2	218.9	213.3	211.4	212.7	215.1	215.1
22.5°	350.9	337.8	305.9	274.0	252.7	238.3	231.4	229.6	232.0	235.2	235.8
25°	399.2	381.6	341.6	302.1	274.6	256.4	249.5	247.0	250.9	254.6	256.4
27.5°	452.3	429.7	380.3	330.3	294.0	272.0	264.6	264.0	269.0	274.0	275.9
30°	511.0	483.5	421.6	359.7	314.0	285.8	277.7	279.6	285.2	291.5	292.7
32.5°	576.2	543.6	464.8	388.4	329.6	296.5	287.2	291.5	298.4	306.5	307.8
35°	646.9	607.4	510.5	415.3	343.4	304.7	295.2	300.9	308.3	317.2	318.4
37.5°	723.8	675.6	556.1	439.1	354.0	309.6	299.6	306.5	315.2	323.4	324.6
40°	803.8	746.2	601.8	460.4	361.5	312.8	301.4	308.9	317.7	324.1	325.3
42.5°	894.5	822.5	646.2	477.3	365.9	313.3	301.4	308.3	317.2	321.6	322.1
45°	990.9	903.2	690.0	491.0	367.7	312.8	299.6	307.1	314.0	315.9	316.6
47.5°	1091.0	985.8	729.3	499.2	367.7	310.3	297.0	302.7	308.3	307.8	308.3
50°	1202.3	1072.2	766.2	504.1	365.3	307.1	294.7	299.1	302.7	299.6	300.3
52.5°	1307.3	1157.8	796.3	506.1	360.9	303.4	292.2	295.9	297.7	293.4	293.4
55°	1411.7	1238.6	820.6	502.3	355.3	300.3	290.2	294.0	294.0	288.3	288.3
57.5°	1508.8	1307.3	834.4	494.8	348.4	297.7	289.0	292.7	292.7	285.2	285.2
60°	1583.8	1356.8	835.1	482.9	340.3	294.7	288.3	292.7	292.2	284.6	284.0
62.5°	1629.5	1378.7	820.6	466.0	332.1	291.5	287.8	292.2	292.2	284.0	283.3
65°	1629.5	1364.2	789.4	446.0	322.8	287.8	286.5	292.2	290.8	283.3	282.1
66°	1616.9	1348.6	772.5	437.2	319.7	286.5	285.8	292.2	290.8	283.3	281.5
67.5°	1582.5	1311.1	745.0	422.9	312.2	283.3	284.6	290.2	289.6	281.5	280.2
70°	1482.4	1214.1	685.6	397.1	300.9	277.7	280.9	285.8	285.2	277.7	275.3
72.5°	1335.4	1086.5	618.0	369.8	288.3	270.2	274.0	278.9	277.7	271.5	269.0
75°	1162.2	942.1	544.8	340.3	273.3	260.2	264.6	269.0	267.6	262.1	258.3
77.5°	975.1	793.1	472.2	309.6	257.8	247.7	252.1	256.4	253.9	249.0	246.5
80°	791.9	649.3	403.5	278.9	239.6	233.3	237.7	239.0	237.1	232.7	229.6
82.5°	631.7	522.3	338.3	249.0	220.1	216.5	219.5	219.5	217.7	213.3	210.3
85°	496.0	416.6	284.6	218.9	200.8	198.3	200.2	198.3	195.8	191.4	188.9
87.5°	390.9	334.0	238.3	192.7	179.5	178.8	179.5	175.2	172.6	169.0	166.4
90°	305.3	262.1	199.0	167.6	160.2	159.5	158.2	153.8	148.3	144.4	142.6
92.5°	238.3	210.8	164.6	143.2	139.6	138.9	137.0	131.3	127.7	122.6	120.7
95°	188.9	168.3	136.3	123.9	122.0	121.4	118.9	112.6	107.6	102.6	101.3
97.5°	148.3	133.2	113.8	106.3	105.8	105.1	101.9	95.0	89.5	84.4	83.8
100°	116.4	107.0	95.0	91.3	91.3	90.6	87.6	80.8	73.9	68.9	68.2
102.5°	92.6	86.4	79.4	78.2	78.2	77.6	74.4	68.9	60.6	55.0	55.0
105°	73.9	70.0	66.3	66.9	67.5	66.9	63.8	57.0	48.8	44.4	44.4
107.5°	59.4	57.0	55.7	57.0	57.6	57.6	54.4	46.9	39.5	35.6	35.6



REPORT NUMBER: P254898

CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T4W-FL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	48.2	46.9	46.9	48.2	49.3	49.3	45.7	39.5	31.9	28.7	28.7
112.5°	39.5	38.8	39.5	41.9	42.5	41.9	38.8	32.6	25.6	23.8	23.8
115°	33.1	33.1	33.8	35.6	36.9	35.6	32.6	26.2	20.6	19.3	19.3
117.5°	28.2	28.2	28.7	30.7	31.2	30.0	26.9	21.3	16.9	16.3	16.3
120°	23.8	23.8	24.4	25.6	26.2	25.0	21.9	17.5	13.7	13.1	13.7
122.5°	20.6	20.6	21.3	21.9	22.5	21.3	18.1	13.7	11.3	11.3	11.3
125°	18.1	18.1	18.1	18.8	18.8	17.5	15.0	11.3	8.7	9.4	9.4
127.5°	15.7	15.7	15.7	15.7	15.7	14.4	11.9	8.7	7.5	8.0	8.0
130°	13.7	13.7	13.1	13.1	12.6	11.9	9.4	6.9	6.2	6.9	6.9
132.5°	11.9	11.9	11.3	10.6	10.1	9.4	7.5	5.0	5.0	5.7	5.7
135°	10.1	10.1	9.4	8.7	8.0	6.9	5.0	3.8	3.8	4.4	4.4
137.5°	8.0	8.0	7.5	6.9	5.7	5.0	3.8	2.5	3.2	3.8	3.8
140°	6.2	6.2	5.7	5.0	3.8	2.5	1.8	1.8	1.8	2.5	2.5
142.5°	5.0	5.0	4.4	3.2	1.8	1.2	0.6	0.6	1.2	1.8	1.8
145°	3.8	3.8	3.2	2.5	1.2	0.6	0.0	0.0	0.6	0.6	0.6
147.5°	3.2	2.5	2.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.5	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.8	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.6	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)