

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: P254358

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254358
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-AF24-50-D-U-T4W-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA 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: 5174.5 lumens
Efficiency: N/A
Efficacy: 95.8 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): 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

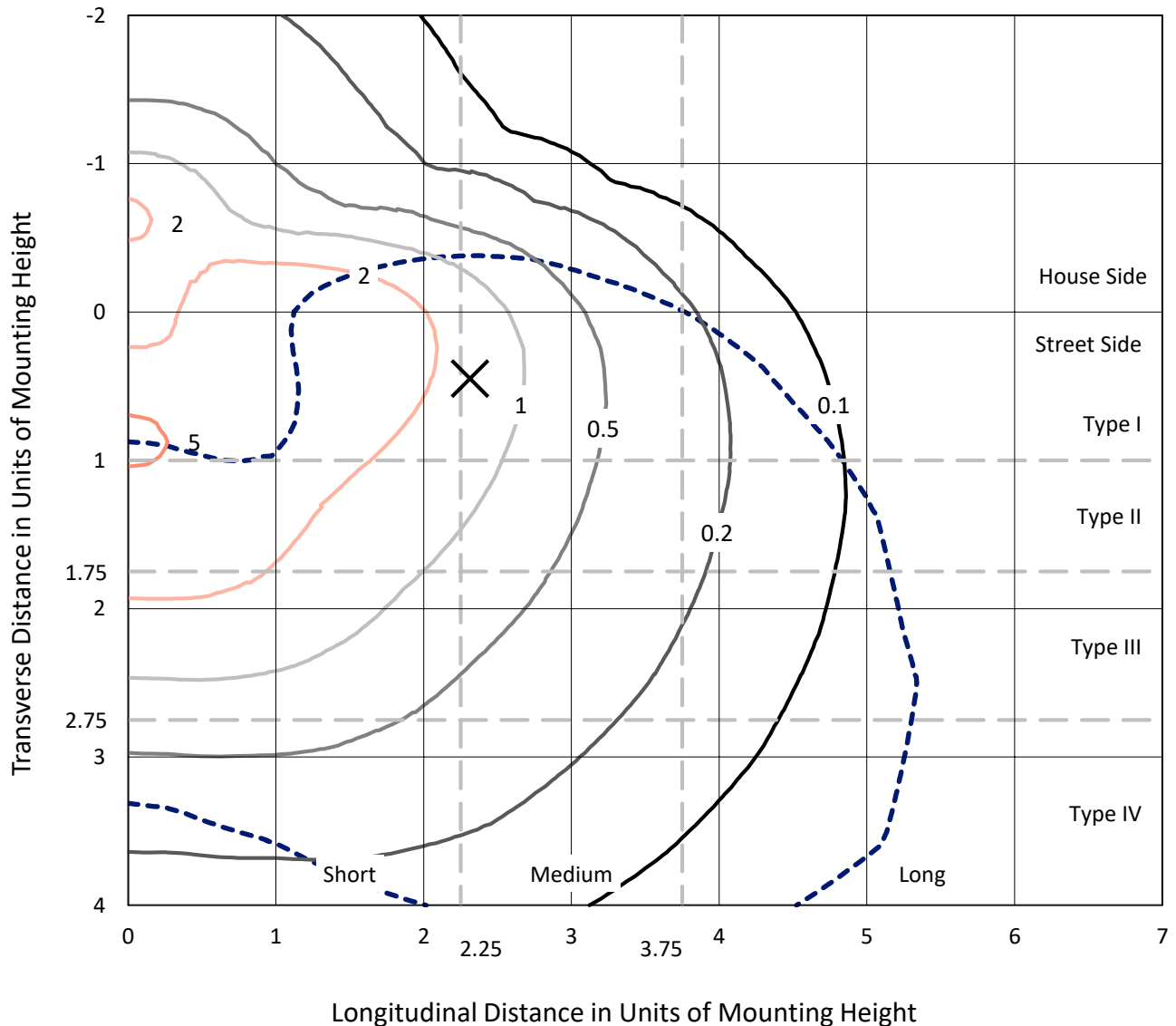


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

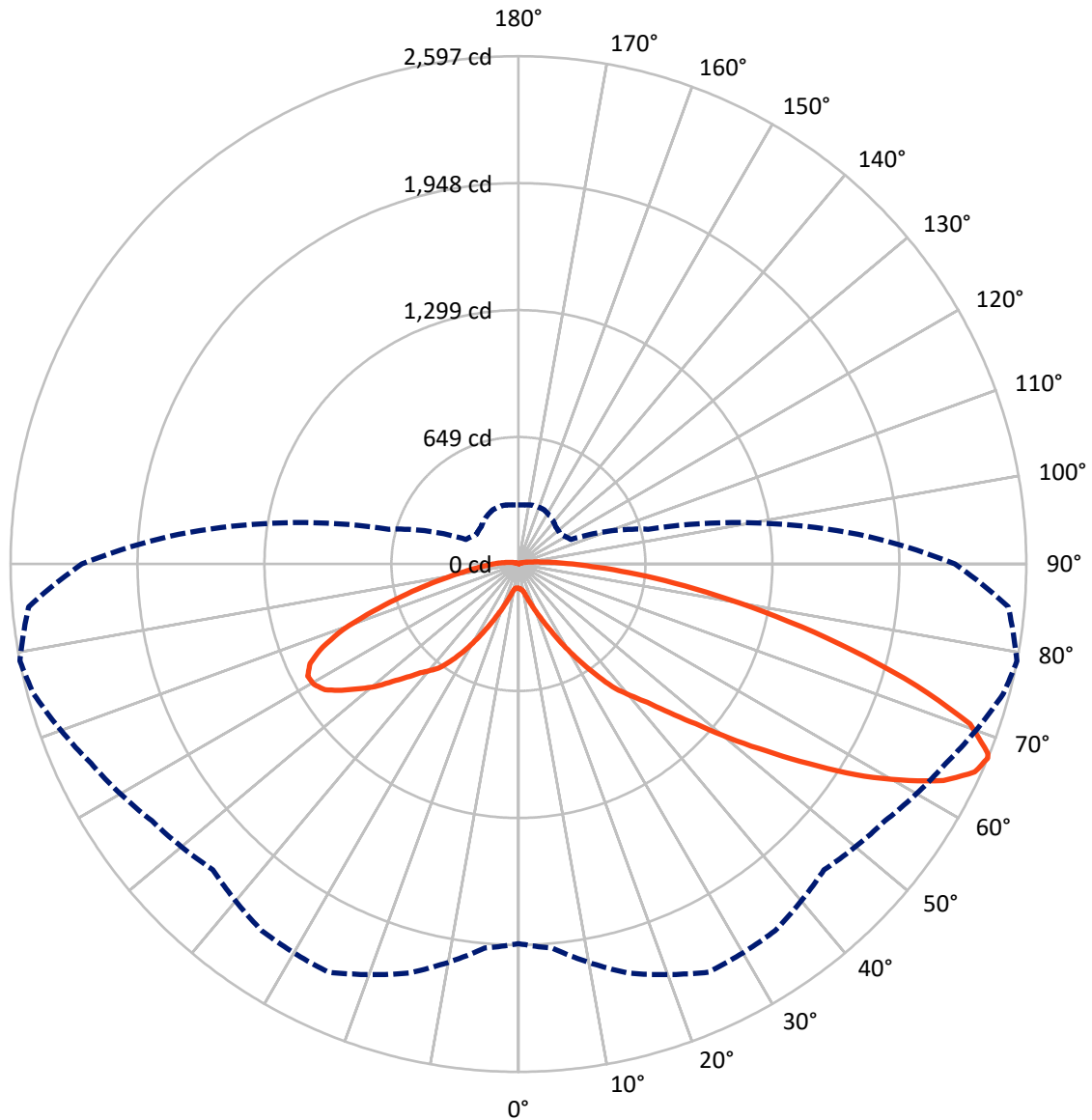


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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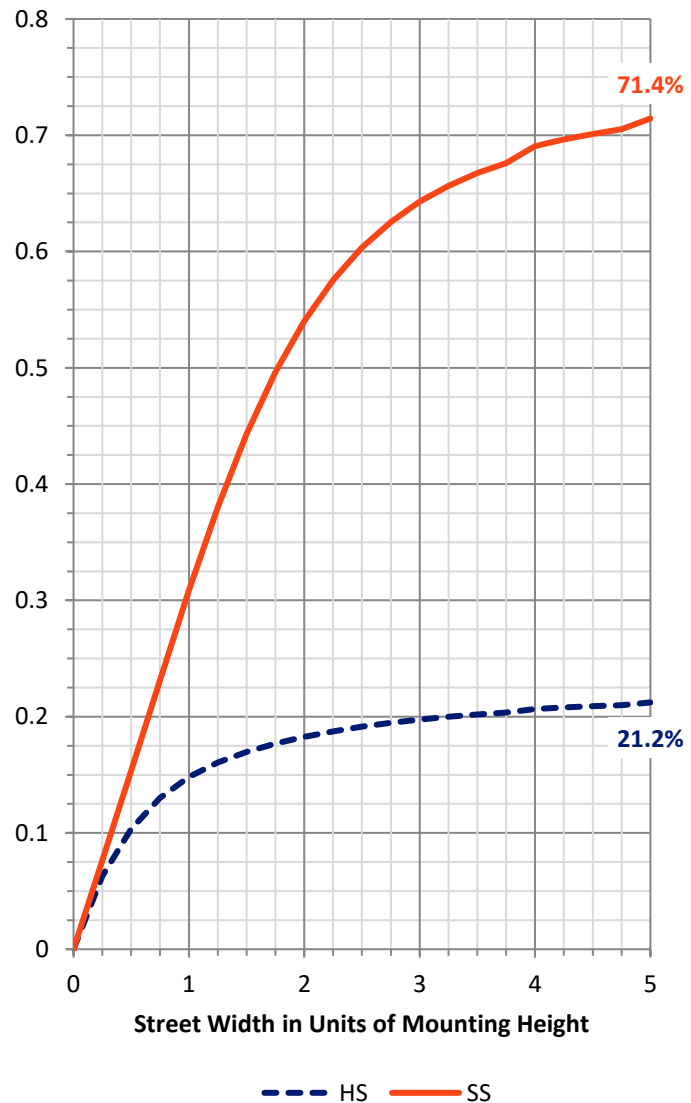
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.0	77.8	1231.8
	% Fixture	22.3	1.5	23.8
Street Side	Lumens	3834.7	107.9	3942.7
	% Fixture	74.1	2.1	76.2
Total	Lumens	4988.7	185.8	5174.5
	% Fixture	96.4	3.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.6	0.2
10°-20°	53.2	1.0
20°-30°	153.4	3.0
30°-40°	347.8	6.7
40°-50°	604.3	11.7
50°-60°	968.3	18.7
60°-70°	1349.3	26.1
70°-80°	1065.8	20.6
80°-90°	434.1	8.4
90°-100°	123.8	2.4
100°-110°	36.8	0.7
110°-120°	14.2	0.3
120°-130°	6.9	0.1
130°-140°	3.1	0.1
140°-150°	0.8	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4988.7	96.4
0°-180°	5174.5	100.0



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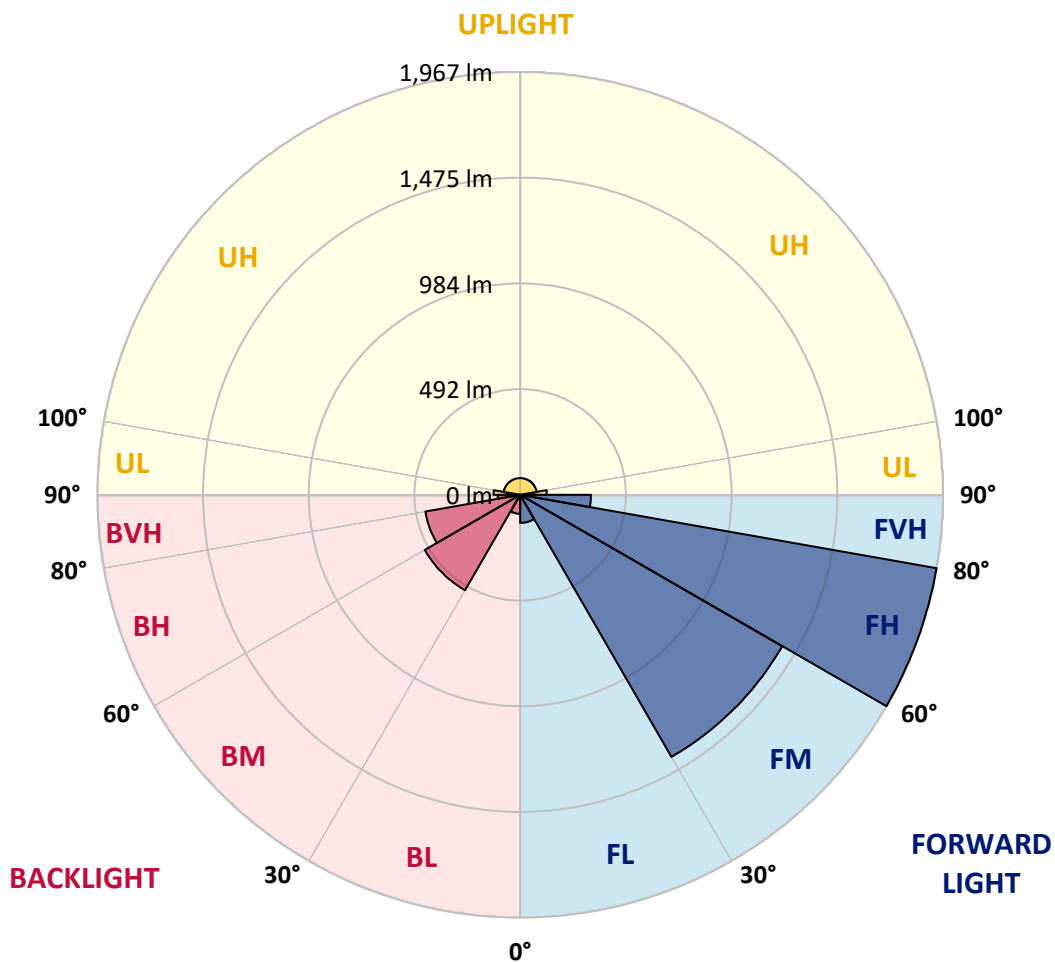
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	130.7	2.5			
FM (30°-60°)	1407.8	27.2			
FH (60°-80°)	1967.0	38.0			G2/5000
FVH (80°-90°)	329.3	6.4			G3/500
BL (0°-30°)	88.5	1.7	B0/110		
BM (30°-60°)	512.7	9.9	B1/1000		
BH (60°-80°)	448.1	8.7	B1/500		G1/500
BVH (80°-90°)	104.8	2.0			G2/225
UL (90°-100°)	123.8	2.4		U3/500	
UH (100°-180°)	77.8	1.5		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°	75°	79°	85°
0°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
2.5°	132.6	132.6	133.2	133.2	133.2	131.9	130.1	128.3	127.0	126.3	125.1
5°	142.6	142.0	142.6	142.0	142.0	139.6	136.3	133.2	130.7	129.5	127.7
7.5°	157.0	157.0	156.3	155.1	153.8	149.4	144.4	140.7	137.0	134.5	132.6
10°	175.2	175.8	174.5	171.4	168.3	162.6	157.0	152.0	146.4	143.2	140.7
12.5°	203.3	203.3	200.8	193.9	186.4	179.5	173.2	168.3	165.7	162.6	160.2
15°	238.3	237.6	234.0	223.3	213.3	201.4	197.0	193.9	192.0	189.6	186.4
17.5°	279.6	278.9	272.0	257.8	242.0	233.3	226.3	223.3	224.5	222.1	219.5
20°	329.0	327.8	317.1	297.0	281.5	269.6	262.1	259.0	262.7	260.8	259.0
22.5°	392.1	389.1	374.0	345.3	327.1	307.8	300.9	299.6	308.3	308.3	308.3
25°	467.2	464.2	441.6	408.4	376.5	352.8	346.0	352.8	367.1	369.1	372.8
27.5°	554.2	550.4	523.0	476.6	434.1	402.2	396.5	410.3	432.7	441.6	445.3
30°	656.7	654.3	614.8	556.0	496.0	455.9	449.7	474.7	509.8	523.6	532.8
32.5°	778.2	774.9	718.1	648.6	564.8	514.7	509.8	547.9	600.5	613.6	632.4
35°	928.1	925.1	850.0	753.2	641.8	577.3	577.3	626.7	691.2	709.3	732.5
37.5°	1078.9	1078.3	1002.7	873.2	726.8	646.2	647.4	704.2	781.9	809.9	831.3
40°	1225.9	1227.2	1140.8	992.6	821.8	721.7	721.2	778.7	859.5	883.8	904.4
42.5°	1359.7	1359.1	1277.9	1119.6	920.7	803.7	792.4	848.7	934.5	967.6	995.2
45°	1452.9	1459.8	1397.3	1234.1	1020.2	888.9	865.7	928.1	1037.6	1083.3	1120.2
47.5°	1568.6	1569.3	1511.8	1341.6	1122.1	977.0	955.7	1034.5	1173.5	1221.0	1259.8
50°	1696.2	1702.6	1656.9	1476.7	1237.2	1076.4	1068.3	1167.8	1332.9	1399.8	1448.0
52.5°	1805.1	1812.6	1784.5	1631.2	1376.0	1204.0	1204.0	1330.3	1507.3	1587.4	1634.4
55°	1885.2	1897.8	1904.6	1779.5	1533.0	1353.5	1367.3	1509.3	1705.6	1801.3	1858.3
57.5°	1948.9	1966.4	1999.0	1911.5	1687.5	1533.0	1553.0	1705.0	1943.9	2033.5	2093.5
60°	2043.4	2063.5	2122.3	2052.8	1865.2	1726.3	1753.2	1918.9	2162.9	2243.5	2289.2
62.5°	2052.8	2077.2	2196.0	2206.1	2031.5	1915.2	1974.7	2137.2	2370.0	2440.0	2450.0
65°	2009.6	2041.5	2199.2	2290.5	2208.5	2092.2	2176.0	2325.5	2518.2	2564.5	2538.7
67°	1940.9	1971.5	2165.4	2302.9	2288.7	2210.5	2288.7	2411.8	2566.3	2597.0	2514.4
67.5°	1911.5	1940.9	2146.6	2300.5	2298.6	2231.1	2306.8	2430.6	2568.8	2589.5	2496.2
70°	1723.1	1763.9	1984.0	2220.4	2294.2	2249.8	2338.7	2424.4	2458.2	2450.5	2316.8
72.5°	1392.3	1430.4	1670.7	2001.5	2170.4	2147.9	2226.7	2242.3	2182.9	2131.6	1948.9
75°	1021.3	1038.3	1259.8	1615.6	1892.7	1918.4	1977.7	1942.7	1833.9	1765.7	1580.0
77.5°	709.3	726.1	896.3	1223.3	1526.2	1621.9	1680.6	1629.4	1514.9	1410.4	1207.8
80°	469.7	478.4	611.8	891.3	1197.2	1330.3	1381.0	1328.5	1183.4	1080.8	888.9
82.5°	286.5	303.3	399.7	624.9	925.8	1089.6	1126.5	1065.9	908.8	802.5	640.5
85°	172.0	180.8	255.7	422.2	681.1	864.5	899.4	820.6	661.8	566.1	429.1
87.5°	106.3	110.2	160.7	273.3	477.9	645.5	683.0	589.8	446.6	377.2	287.2
90°	68.9	71.9	105.7	180.2	315.9	459.8	476.6	401.5	297.0	251.4	194.5
92.5°	46.3	48.8	71.9	119.4	207.7	301.4	314.0	265.2	196.4	167.6	132.6
95°	32.6	34.4	50.7	81.3	135.2	185.7	198.9	172.0	128.3	110.7	91.3
97.5°	25.0	26.2	38.1	58.8	91.3	120.0	125.1	112.0	87.0	76.3	66.3
100°	20.0	21.3	30.0	44.4	65.7	82.0	85.1	76.9	61.3	55.0	48.8
102.5°	17.5	17.5	24.4	35.1	49.3	60.6	61.3	55.0	45.1	40.7	37.4
105°	15.0	15.0	20.0	28.2	39.5	46.9	46.9	40.7	33.1	30.0	28.7
107.5°	12.4	13.1	16.9	22.5	31.2	37.4	36.3	30.0	23.8	21.9	21.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
110°	10.6	11.3	14.4	18.8	25.6	30.7	28.7	23.2	17.5	16.3	16.3
112.5°	9.4	10.1	11.9	16.3	21.9	25.6	23.2	17.5	13.1	12.4	13.1
115°	8.7	8.7	10.6	14.4	18.8	21.3	19.3	14.4	10.6	10.1	10.6
117.5°	7.5	8.0	9.4	12.4	16.9	18.1	16.3	11.3	8.0	8.0	9.4
120°	7.5	7.5	8.7	11.3	15.0	16.3	13.7	9.4	6.9	6.9	8.0
122.5°	6.9	6.9	8.0	10.6	13.1	14.4	11.9	8.0	6.2	6.2	6.9
125°	6.9	6.9	8.0	10.1	11.9	11.9	10.1	6.9	5.7	5.7	6.2
127.5°	7.5	7.5	8.0	9.4	10.6	10.6	8.7	6.2	5.0	5.0	5.7
130°	7.5	7.5	7.5	8.7	9.4	8.7	7.5	5.7	5.0	5.0	5.7
132.5°	7.5	7.5	7.5	7.5	8.0	7.5	6.2	4.4	4.4	4.4	5.0
135°	6.9	6.9	6.2	6.9	6.9	5.7	4.4	3.2	3.8	3.8	4.4
137.5°	5.7	5.7	5.7	5.7	5.0	4.4	3.2	2.5	3.2	3.8	3.8
140°	5.0	5.0	4.4	4.4	3.8	3.2	1.8	2.5	3.2	3.2	3.2
142.5°	3.8	3.8	3.8	3.2	2.5	1.8	1.2	1.8	2.5	2.5	3.2
145°	2.5	2.5	2.5	1.8	1.2	0.6	1.2	1.2	1.8	2.5	2.5
147.5°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	1.2	1.8	1.8	1.8
150°	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.6	1.2	1.8	1.8
152.5°	0.0	0.0	0.0	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	0.0	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	0.0
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°	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4	124.4
2.5°	124.4	123.8	122.0	120.7	119.4	118.9	118.2	118.2	117.6	117.0	117.0
5°	126.3	125.1	122.0	119.4	117.6	116.4	115.0	114.5	113.2	112.5	112.5
7.5°	130.1	128.3	124.4	120.0	117.0	115.0	113.8	112.5	111.3	111.3	111.3
10°	137.5	135.2	129.5	123.8	118.9	116.4	115.0	113.8	113.8	113.2	113.2
12.5°	156.3	152.6	143.2	133.2	124.4	120.7	119.4	122.6	126.3	127.0	128.8
15°	182.0	178.3	166.4	152.0	137.5	129.5	133.9	139.6	145.8	150.8	150.8
17.5°	213.9	209.6	193.3	173.2	155.7	150.8	152.0	160.2	169.0	173.2	173.8
20°	253.3	247.0	224.5	197.0	177.6	170.1	172.0	180.2	192.7	198.9	200.2
22.5°	302.7	293.4	263.4	224.5	200.8	190.7	192.7	202.6	219.5	228.4	231.4
25°	365.3	353.4	307.8	257.8	223.9	208.9	214.5	230.2	251.4	264.6	264.0
27.5°	437.2	418.5	361.5	292.0	247.0	226.3	235.1	257.1	282.8	297.7	299.6
30°	523.6	499.1	420.3	328.4	267.0	242.0	253.3	280.8	309.6	329.6	331.5
32.5°	619.2	590.4	480.4	364.6	283.3	253.9	266.5	300.9	334.0	357.9	358.4
35°	717.4	680.4	537.3	395.9	297.0	263.4	276.4	315.9	354.6	382.2	384.0
37.5°	811.2	768.1	589.8	416.6	305.8	268.3	282.1	328.4	372.1	401.5	403.3
40°	881.9	828.7	622.3	423.5	307.8	270.9	287.2	333.3	372.1	394.7	395.9
42.5°	970.8	900.8	646.2	416.6	302.7	270.9	289.0	327.1	357.2	372.1	372.1
45°	1089.6	1003.2	682.5	408.4	292.7	269.0	284.0	313.3	333.3	340.9	340.9
47.5°	1231.6	1119.0	719.3	402.8	285.1	264.6	276.4	296.4	307.1	307.8	306.5
50°	1411.1	1265.3	765.0	394.7	280.8	260.1	269.6	282.8	289.0	286.5	285.1
52.5°	1582.4	1395.5	797.5	384.7	278.3	258.3	265.8	277.1	278.9	271.5	269.6
55°	1786.9	1548.1	820.0	368.4	275.9	259.6	265.8	275.3	273.9	264.0	262.1
57.5°	1990.9	1691.4	839.9	354.0	273.3	261.4	268.3	276.4	273.9	264.6	262.7
60°	2147.3	1789.4	828.7	339.0	270.9	264.6	272.7	280.8	280.8	273.3	272.7
62.5°	2269.9	1848.2	801.9	323.4	269.0	267.0	278.3	290.2	292.7	287.2	286.5
65°	2297.4	1824.5	749.9	308.3	266.5	269.0	285.8	300.9	302.7	297.0	296.4
67°	2232.9	1743.2	686.1	295.9	262.7	269.6	290.8	307.1	309.6	304.0	302.1
67.5°	2204.9	1711.3	669.9	292.7	261.4	269.6	291.5	307.8	310.9	305.3	303.3
70°	1988.9	1521.8	582.9	275.3	253.3	266.5	292.7	312.2	314.0	307.1	304.7
72.5°	1648.1	1227.2	482.3	258.3	243.3	258.3	288.3	308.9	308.3	298.4	296.4
75°	1306.6	962.0	388.4	239.0	229.6	245.9	276.4	294.6	290.8	278.9	276.4
77.5°	992.6	719.3	315.9	219.5	213.9	229.6	256.4	269.6	262.1	250.9	248.3
80°	707.5	517.9	257.1	201.4	197.0	210.8	231.4	238.3	233.3	222.7	219.5
82.5°	494.7	372.1	213.9	183.2	180.8	191.4	204.6	211.4	208.9	199.5	197.0
85°	342.1	260.1	180.2	165.1	163.9	171.4	179.5	183.9	185.7	180.8	177.6
87.5°	230.2	191.4	153.3	145.1	145.8	151.4	157.0	161.3	166.9	166.4	163.3
90°	164.6	143.2	128.3	124.4	125.7	131.9	134.5	137.0	143.9	143.9	142.0
92.5°	117.6	108.8	103.8	102.6	105.1	110.2	111.3	112.0	117.0	117.6	113.8
95°	83.8	79.4	81.3	82.6	85.1	89.5	88.8	87.0	89.5	89.5	86.4
97.5°	62.0	60.6	64.5	65.7	67.5	71.3	69.4	66.3	68.2	65.7	63.8
100°	47.5	47.5	51.9	52.6	53.7	55.6	55.0	52.6	53.2	50.0	48.8
102.5°	37.4	38.1	41.3	41.9	43.1	45.1	43.8	42.5	41.3	37.4	37.4
105°	29.4	30.0	32.6	33.1	34.4	36.3	35.6	33.8	31.9	28.7	28.7
107.5°	22.5	23.8	25.6	26.2	27.6	29.4	28.7	26.2	23.8	21.9	21.9



REPORT NUMBER: P254358

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	17.5	18.8	20.6	21.3	21.9	23.8	22.5	20.0	18.1	16.9	16.9
112.5°	14.4	15.0	16.9	17.5	18.1	19.3	18.1	15.7	13.7	13.1	13.1
115°	11.9	12.4	13.7	14.4	15.7	15.7	14.4	11.9	10.6	10.6	10.6
117.5°	10.1	10.6	11.9	12.4	12.4	13.1	11.3	9.4	8.0	8.7	8.7
120°	8.7	8.7	10.1	10.1	10.6	10.6	9.4	7.5	6.2	6.9	7.5
122.5°	7.5	7.5	8.0	8.7	8.7	8.7	7.5	6.2	5.0	5.7	6.2
125°	6.2	6.9	6.9	7.5	7.5	7.5	6.2	5.0	4.4	5.0	5.0
127.5°	6.2	6.2	6.2	6.2	6.2	6.2	5.0	3.8	3.8	4.4	4.4
130°	5.7	5.7	5.7	5.7	5.0	4.4	3.8	2.5	3.2	3.8	3.8
132.5°	5.0	5.0	5.0	4.4	3.8	3.2	2.5	1.8	1.8	3.2	3.2
135°	4.4	4.4	3.8	3.2	2.5	1.8	1.2	1.2	1.2	2.5	2.5
137.5°	3.8	3.8	3.2	2.5	1.8	1.2	0.6	0.0	0.6	1.2	1.2
140°	3.8	3.8	3.2	1.8	1.2	0.6	0.0	0.0	0.0	0.6	0.6
142.5°	3.2	3.2	2.5	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.8	1.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.2	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.2	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.6	0.6	0.0	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)