

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: P266103

Luminaire Tested: **LXF.LXT-AF24-50-D-U-T3-TL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-34)
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-T3-TL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4707.2 lumens
Efficiency: N/A
Efficacy: 87.2 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

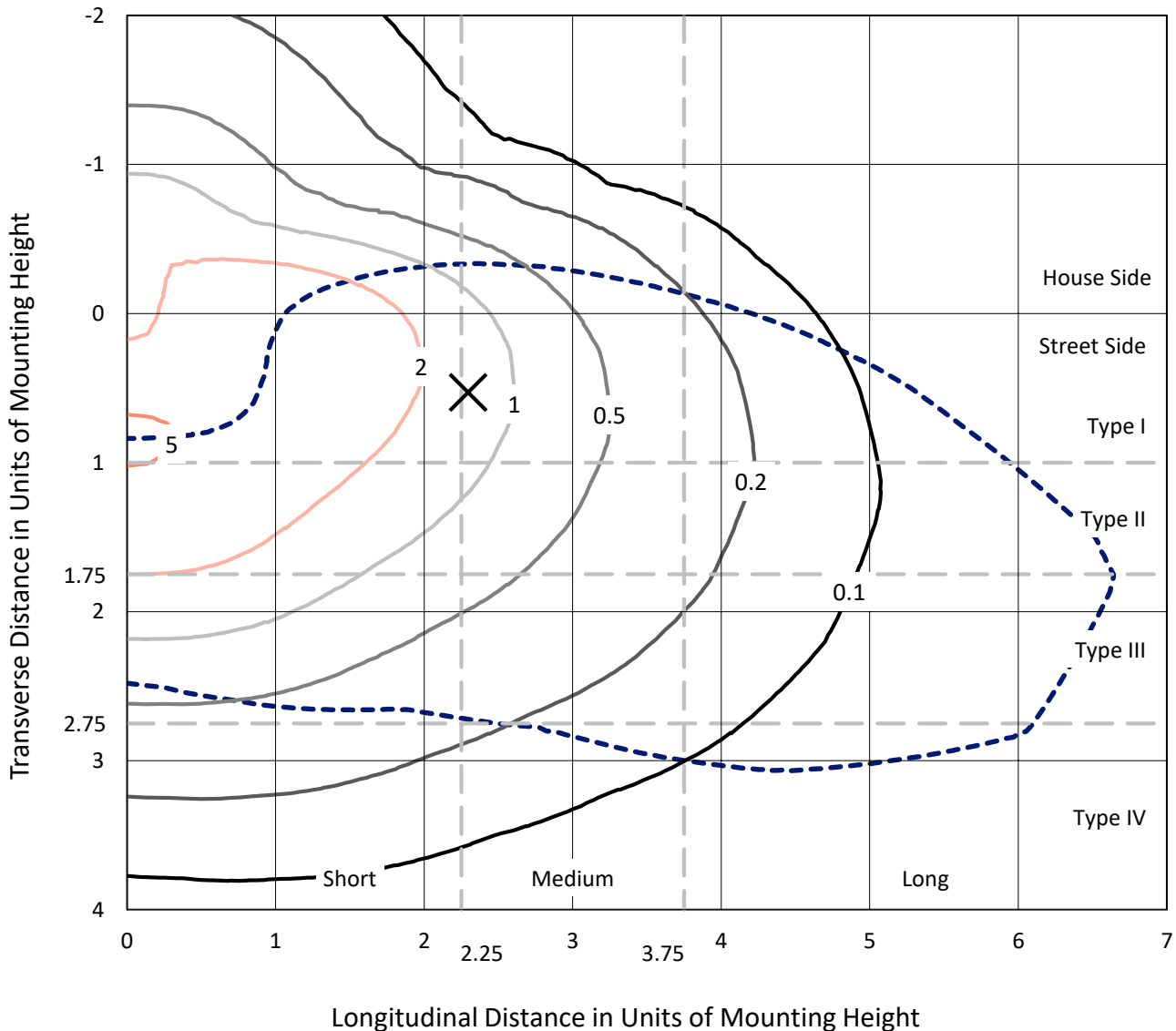


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Iso-Footcandle Lines of Horizontal Illumination

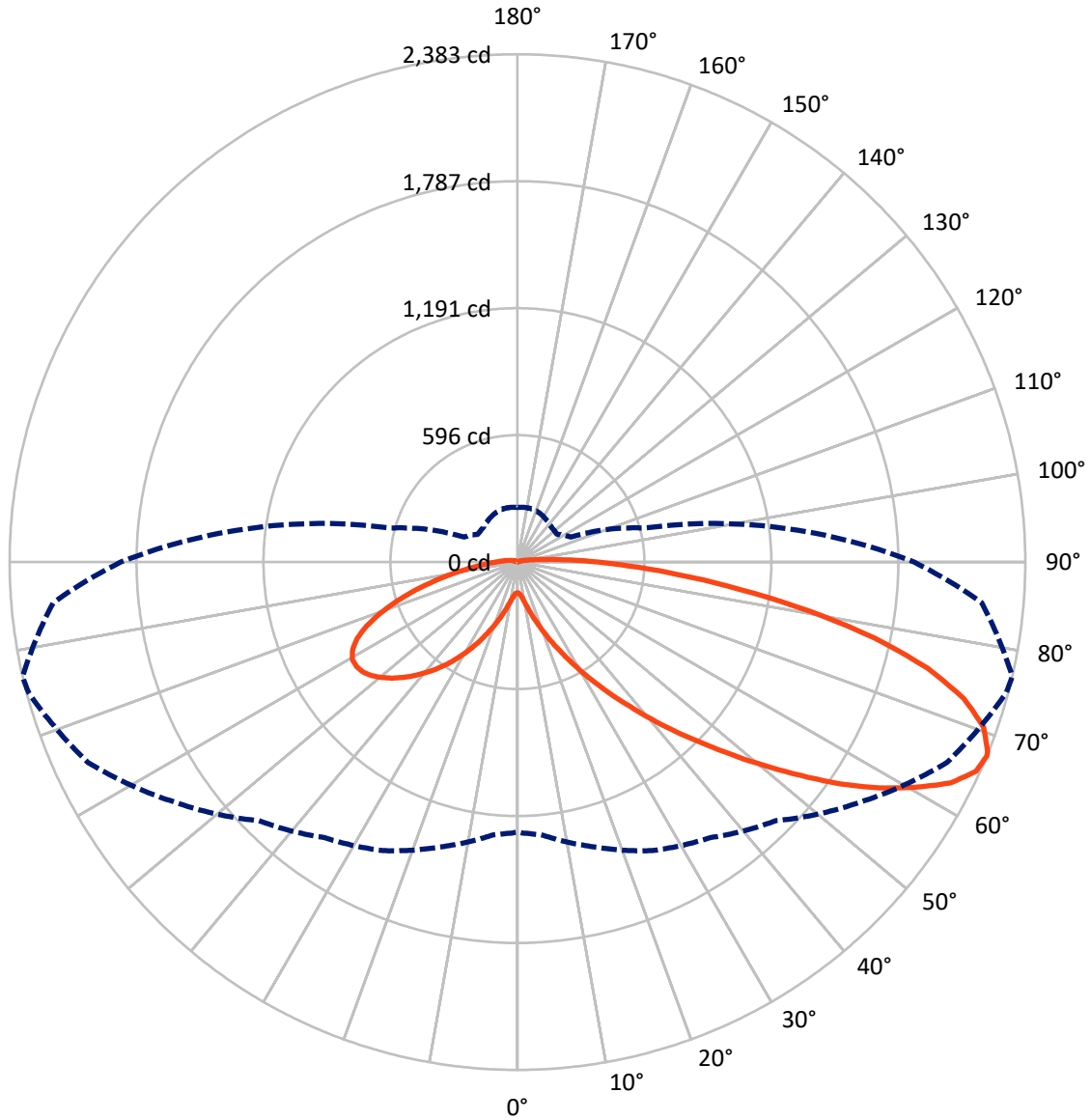
× Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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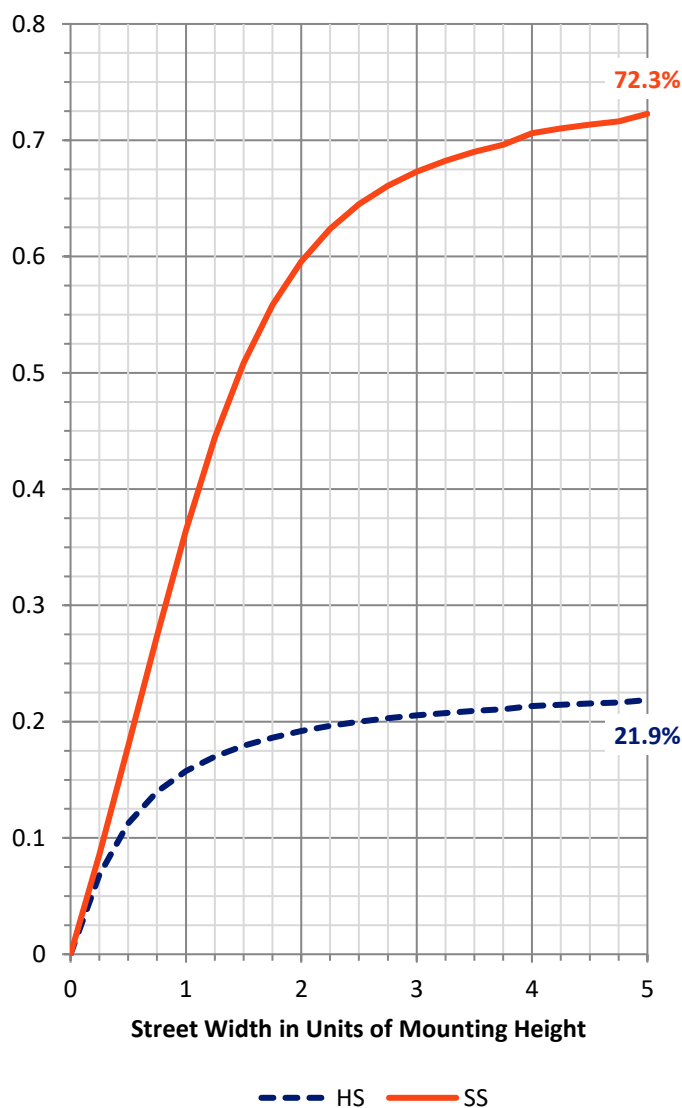
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1074.9	64.9	1139.8
	% Fixture	22.8	1.4	24.2
Street Side	Lumens	3490.0	77.4	3567.4
	% Fixture	74.1	1.6	75.8
Total	Lumens	4564.9	142.3	4707.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	69.6	1.5
20°-30°	183.1	3.9
30°-40°	374.2	8.0
40°-50°	648.7	13.8
50°-60°	962.2	20.4
60°-70°	1116.6	23.7
70°-80°	843.4	17.9
80°-90°	351.5	7.5
90°-100°	93.2	2.0
100°-110°	30.3	0.6
110°-120°	12.0	0.3
120°-130°	4.5	0.1
130°-140°	1.7	0.0
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4564.9	97.0
0°-180°	4707.2	100.0

Coefficient of Utilization



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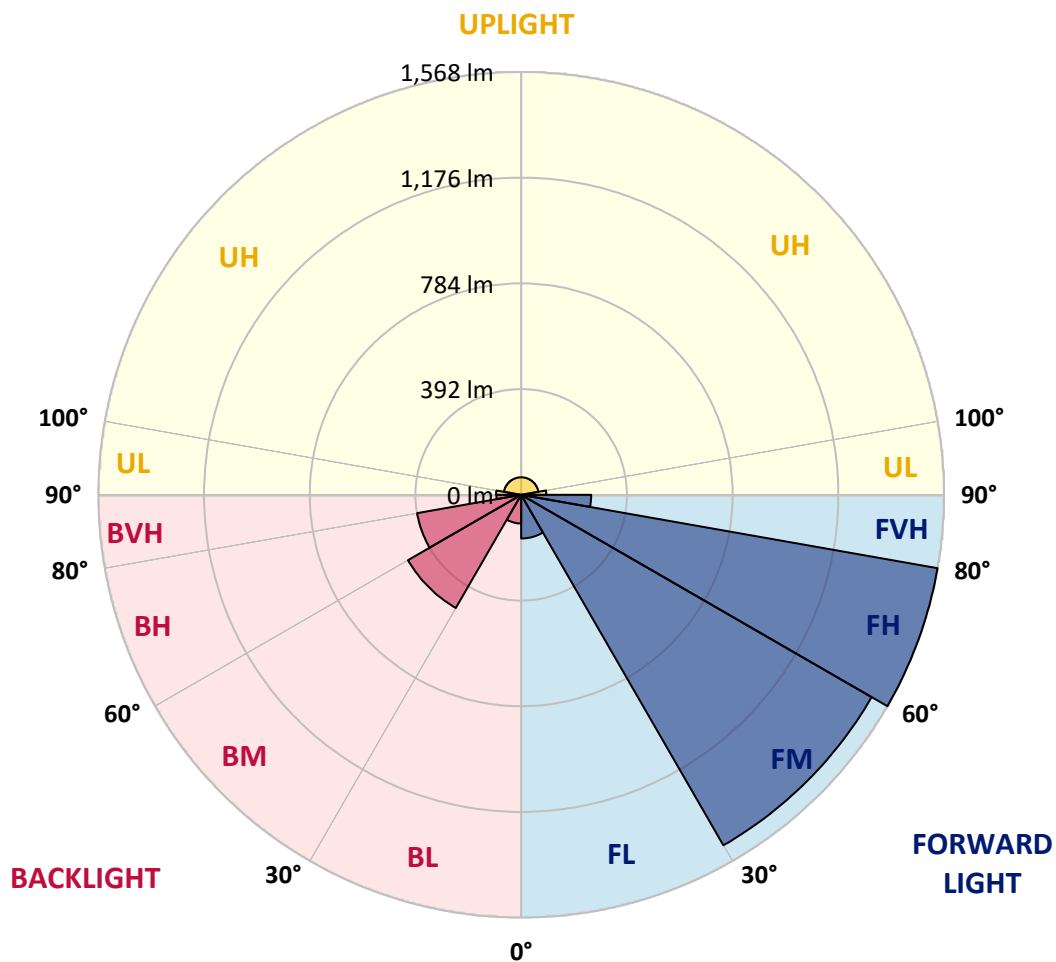
CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL-7027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	161.8	3.4			
FM (30°-60°)	1500.5	31.9			
FH (60°-80°)	1568.1	33.3			G1/1800
FVH (80°-90°)	259.6	5.5			G3/500
BL (0°-30°)	106.5	2.3	B0/110		
BM (30°-60°)	484.6	10.3	B1/1000		
BH (60°-80°)	391.9	8.3	B1/500		G1/500
BVH (80°-90°)	91.9	2.0			G1/100
UL (90°-100°)	93.2	2.0		U3/500	
UH (100°-180°)	64.9	1.4		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°	77°	85°
0°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	151.2	151.2	152.4	151.8	151.8	150.6	150.0	148.4	147.2	147.2	146.7
5°	162.5	162.5	163.0	163.5	162.5	161.9	160.2	157.9	156.2	156.2	155.0
7.5°	179.2	179.2	178.8	179.2	178.8	177.5	175.3	174.2	170.9	171.3	169.7
10°	203.5	203.5	202.3	203.5	200.6	199.6	197.7	196.1	192.1	193.3	190.5
12.5°	237.7	237.7	236.6	234.8	231.0	228.7	227.6	226.5	223.0	223.7	220.3
15°	278.7	278.1	277.0	274.8	268.7	265.8	262.9	261.2	258.5	259.6	256.2
17.5°	327.1	325.9	322.0	318.5	312.4	307.9	303.9	302.3	299.0	299.6	295.1
20°	382.7	381.6	376.5	371.4	362.5	356.3	352.3	348.5	344.9	348.5	340.0
22.5°	448.4	449.5	438.9	430.9	417.5	409.6	404.5	401.3	397.9	400.6	391.1
25°	523.7	523.2	511.3	501.3	482.1	468.6	461.4	459.2	457.3	459.7	452.9
27.5°	610.3	608.1	595.0	573.7	552.4	531.5	522.0	523.7	523.2	524.9	518.1
30°	706.3	705.2	687.3	656.9	628.9	600.6	591.8	591.2	596.3	599.6	586.1
32.5°	812.5	813.7	789.5	750.2	708.7	677.7	669.2	670.3	677.1	676.6	666.5
35°	930.0	930.0	904.8	855.2	800.2	760.2	750.8	761.5	765.4	766.4	751.3
37.5°	1055.2	1053.6	1030.0	965.9	903.1	850.8	833.8	847.5	862.6	860.8	845.1
40°	1189.6	1185.1	1154.2	1082.8	1006.5	943.5	924.4	945.1	967.0	968.3	949.1
42.5°	1317.8	1313.9	1281.8	1205.3	1113.8	1049.1	1027.8	1050.7	1082.3	1085.2	1050.7
45°	1437.9	1437.5	1408.3	1329.5	1229.5	1154.9	1133.4	1163.8	1207.6	1207.6	1171.6
47.5°	1551.6	1544.7	1525.6	1447.0	1352.6	1264.4	1243.6	1285.7	1346.4	1348.0	1306.0
50°	1638.6	1634.0	1624.6	1553.2	1457.1	1377.3	1358.1	1421.1	1491.9	1498.2	1446.5
52.5°	1698.8	1694.3	1701.5	1646.0	1559.4	1488.6	1481.8	1559.9	1652.2	1662.3	1600.4
55°	1722.3	1723.9	1747.7	1711.1	1642.6	1586.3	1610.5	1707.1	1816.2	1835.9	1754.8
57.5°	1710.6	1715.7	1757.2	1749.3	1701.5	1665.0	1728.5	1849.9	1980.9	1999.4	1906.7
60°	1648.7	1659.3	1720.7	1741.5	1723.5	1735.3	1833.0	1994.2	2137.1	2145.5	2052.2
62.5°	1548.0	1559.9	1640.2	1694.3	1706.1	1760.6	1909.4	2115.7	2266.9	2281.4	2145.5
65°	1405.4	1422.2	1511.6	1605.5	1652.6	1752.7	1959.5	2194.4	2349.4	2364.6	2192.7
67°	1267.1	1284.0	1382.9	1493.6	1578.0	1715.7	1963.3	2223.6	2373.6	2382.7	2186.5
67.5°	1229.5	1246.9	1345.8	1461.6	1554.2	1701.0	1960.0	2226.4	2373.6	2379.3	2178.1
70°	1023.9	1046.9	1147.5	1280.7	1403.2	1599.8	1910.5	2191.0	2331.6	2320.9	2075.3
72.5°	809.7	831.1	929.4	1070.5	1210.9	1447.0	1799.3	2086.5	2203.4	2190.4	1906.2
75°	605.2	623.2	717.6	854.6	1003.6	1246.4	1625.2	1916.8	1999.4	1986.0	1672.4
77.5°	433.3	447.9	529.3	655.3	792.9	1027.8	1390.8	1676.2	1728.0	1712.2	1388.5
80°	297.8	315.2	373.6	486.1	604.1	804.2	1121.7	1365.6	1401.4	1385.1	1085.2
82.5°	196.6	206.3	258.0	348.9	447.3	609.7	857.5	1059.2	1090.2	1050.7	804.7
85°	128.1	130.3	169.7	239.9	322.5	442.9	628.9	778.3	792.3	763.1	572.6
87.5°	78.7	82.0	109.6	157.4	222.5	311.9	444.5	544.0	546.2	522.6	386.6
90°	50.6	52.8	70.2	102.2	151.2	212.4	299.6	361.3	359.6	341.0	246.7
92.5°	34.9	35.9	48.9	70.2	98.4	140.0	192.1	228.2	224.8	214.1	155.6
95°	25.3	26.4	35.9	51.2	68.5	92.2	119.7	138.2	134.2	127.6	97.7
97.5°	18.5	19.7	27.6	38.7	51.2	63.5	77.0	82.6	81.4	78.2	65.1
100°	14.1	15.2	21.4	30.4	40.0	47.3	54.0	54.4	52.8	51.7	47.3
102.5°	11.8	12.3	17.3	25.3	32.6	37.6	40.5	40.0	37.6	37.1	34.9
105°	10.2	10.7	15.2	21.4	26.9	31.5	32.6	30.9	28.0	27.6	26.4
107.5°	9.1	9.1	12.9	18.5	23.5	26.4	26.9	24.2	20.8	20.2	19.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
110°	7.8	7.8	11.3	15.7	20.2	22.5	22.5	19.1	14.6	14.1	14.6
112.5°	6.7	7.2	9.5	13.5	17.3	19.1	18.5	15.2	10.7	10.2	10.7
115°	6.2	6.2	8.4	11.8	14.6	16.3	15.2	11.3	7.8	7.2	7.8
117.5°	5.6	5.6	7.2	10.2	12.3	13.5	12.3	9.1	5.6	5.6	6.2
120°	5.1	5.1	6.2	8.4	10.7	11.3	9.5	6.7	4.5	4.5	5.1
122.5°	4.5	4.5	5.6	7.2	9.1	9.1	7.8	5.1	3.4	3.4	4.0
125°	4.0	4.5	5.1	6.2	7.2	7.2	6.2	4.0	2.9	3.4	4.0
127.5°	4.0	4.0	4.5	5.1	6.2	6.2	5.1	2.9	2.9	2.9	3.4
130°	3.4	3.4	4.0	4.5	5.1	5.1	4.0	2.2	2.9	2.9	3.4
132.5°	3.4	3.4	3.4	4.0	4.0	4.0	2.9	2.2	2.2	2.9	2.9
135°	2.9	2.9	2.9	3.4	3.4	2.9	1.6	1.6	2.2	2.2	2.9
137.5°	2.2	2.2	2.9	2.2	2.2	2.2	1.6	1.6	2.2	2.2	2.2
140°	2.2	2.2	2.2	1.6	1.6	1.1	1.1	1.6	1.6	2.2	2.2
142.5°	1.1	1.6	1.6	1.1	1.1	0.5	1.1	1.1	1.6	1.6	1.6
145°	0.5	0.5	1.1	0.5	0.5	0.5	0.5	1.1	1.1	1.6	1.6
147.5°	0.0	0.5	0.5	0.5	0.0	0.0	0.5	0.5	1.1	1.1	1.1
150°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	1.1	1.1	1.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
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°	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9	143.9
2.5°	146.2	145.5	143.9	142.7	142.2	141.7	141.0	140.4	140.4	140.4	140.4
5°	154.0	153.4	150.6	148.4	146.7	144.9	143.9	142.7	142.2	141.7	141.0
7.5°	168.1	166.4	163.0	159.0	155.0	151.8	149.5	148.4	146.7	146.2	145.5
10°	188.9	187.1	181.0	174.2	168.1	163.0	159.0	156.8	155.6	154.5	154.5
12.5°	217.5	216.3	205.6	197.3	185.4	177.5	173.1	171.3	170.9	169.7	170.3
15°	251.7	249.5	235.4	222.5	206.8	197.3	190.5	187.7	186.6	185.0	185.4
17.5°	291.1	283.8	267.4	247.8	228.7	216.9	207.9	202.8	201.2	200.1	200.6
20°	334.3	327.1	302.3	274.3	251.2	236.1	223.7	217.5	215.2	215.2	215.2
22.5°	384.4	374.9	340.5	302.9	272.5	251.2	237.2	231.0	228.7	228.7	229.2
25°	441.6	425.9	382.0	333.2	292.8	264.1	249.5	242.7	241.0	241.0	241.6
27.5°	504.0	482.7	424.8	360.8	307.4	273.2	257.4	251.7	250.6	250.6	251.2
30°	572.0	544.0	468.6	385.6	318.5	278.7	261.9	257.4	256.8	257.4	257.4
32.5°	643.9	611.9	511.9	406.3	325.9	281.4	264.7	261.9	261.2	262.5	261.2
35°	722.1	679.4	555.2	423.1	330.4	282.1	265.8	264.1	264.1	263.6	262.9
37.5°	806.4	749.6	595.0	435.5	330.4	281.0	265.2	264.7	264.7	263.6	262.5
40°	903.1	826.0	632.1	442.9	327.1	277.5	264.1	264.1	263.6	261.2	260.1
42.5°	996.8	905.3	667.6	443.9	321.5	273.2	262.5	263.6	262.5	258.0	256.8
45°	1101.4	991.3	699.1	442.2	313.6	268.7	260.8	262.9	260.8	255.1	254.0
47.5°	1222.8	1084.0	726.5	435.5	303.4	263.6	258.5	261.2	260.1	253.4	252.3
50°	1347.5	1176.7	748.5	425.9	293.3	259.0	256.8	260.8	259.6	252.3	251.2
52.5°	1477.9	1272.8	764.3	410.7	282.6	254.6	255.1	260.1	260.1	252.9	251.7
55°	1607.2	1359.9	771.6	391.8	271.4	250.6	253.4	260.1	261.9	254.6	253.4
57.5°	1726.3	1430.1	767.6	369.7	260.8	246.1	252.3	259.6	262.9	256.2	255.1
60°	1825.7	1491.9	750.8	346.1	251.7	242.3	250.6	259.6	263.6	258.5	257.4
62.5°	1886.4	1513.9	716.5	320.9	242.7	237.7	247.8	258.5	262.9	259.0	258.0
65°	1898.2	1496.9	667.6	296.7	234.3	232.7	243.4	255.1	261.2	259.0	257.4
67°	1861.1	1447.0	616.4	277.5	227.0	227.6	239.4	251.7	259.0	258.5	256.2
67.5°	1844.8	1428.5	603.5	272.5	226.0	226.0	238.3	250.6	258.5	258.0	256.2
70°	1735.9	1317.2	529.3	248.9	216.9	218.6	231.0	245.0	253.4	254.0	252.9
72.5°	1562.2	1161.5	454.6	226.5	206.8	209.0	221.4	235.4	245.0	246.1	244.5
75°	1333.4	978.3	380.4	206.3	195.6	197.3	209.7	223.0	233.2	234.8	233.2
77.5°	1102.5	782.8	310.8	187.1	182.0	185.0	195.6	207.9	217.5	218.6	217.5
80°	843.5	594.0	247.8	169.2	167.4	170.3	179.2	189.9	198.3	199.6	198.3
82.5°	619.2	435.5	196.1	151.2	150.6	153.4	160.6	170.9	177.5	178.1	176.4
85°	441.6	307.4	156.2	131.5	132.6	133.8	140.4	148.4	154.0	154.5	151.2
87.5°	296.1	209.7	121.9	112.9	114.1	114.1	117.9	124.8	128.6	128.1	125.4
90°	193.3	142.7	98.4	96.1	96.7	96.7	98.4	102.9	106.2	104.6	102.9
92.5°	124.8	100.0	80.8	82.0	82.0	80.8	81.4	84.9	86.5	84.9	83.7
95°	84.9	73.7	67.5	69.1	69.7	67.5	67.5	69.1	70.2	68.0	66.4
97.5°	61.3	56.8	55.7	58.4	57.9	56.2	55.1	55.7	56.2	53.4	52.2
100°	46.1	44.9	45.5	48.9	48.2	46.6	45.5	44.9	44.3	41.6	41.1
102.5°	35.9	35.5	37.6	40.5	40.0	38.2	37.1	36.6	35.5	32.0	32.0
105°	27.6	28.0	30.9	33.7	33.1	32.0	30.9	29.7	27.6	24.8	24.8
107.5°	20.8	21.9	25.3	28.0	27.6	26.4	25.3	24.2	21.4	19.1	19.1



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CATALOG NUMBER: LXF.LXT-AF24-50-D-U-T3-TL-7027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	15.7	16.9	20.2	23.0	22.5	21.9	20.8	19.1	16.3	14.6	14.1
112.5°	11.8	12.9	16.3	18.5	18.5	18.0	16.9	15.2	12.3	11.3	10.7
115°	9.1	10.2	12.9	14.6	14.6	14.1	13.5	11.8	9.1	8.4	8.4
117.5°	7.2	7.8	10.2	11.8	11.8	11.3	10.7	9.1	6.7	6.7	6.7
120°	5.6	6.2	7.8	9.1	9.1	8.4	7.8	6.7	5.1	5.1	5.1
122.5°	5.1	5.1	6.2	7.2	6.7	6.7	6.2	5.1	4.0	4.0	4.0
125°	4.0	4.5	5.1	5.6	5.1	5.1	4.5	4.0	3.4	3.4	3.4
127.5°	4.0	4.0	4.0	4.0	4.0	4.0	3.4	2.9	2.2	2.9	2.9
130°	3.4	3.4	3.4	3.4	2.9	2.9	2.2	1.6	1.6	2.2	2.2
132.5°	3.4	3.4	3.4	2.9	2.2	1.6	1.6	1.1	1.6	1.6	1.6
135°	2.9	2.9	2.9	2.2	1.6	1.1	0.5	0.5	1.1	1.1	1.1
137.5°	2.9	2.9	2.2	2.2	1.6	0.5	0.0	0.5	0.5	0.5	0.5
140°	2.2	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.5	0.5	0.0
142.5°	2.2	2.2	1.6	1.1	0.5	0.0	0.0	0.0	0.5	0.0	0.0
145°	1.6	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.1	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.1	1.1	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.5	0.5	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)