

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: P254735

Luminaire Tested: **LXF.LXT-AF24-40-D-U-T2U-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-27)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-40-D-U-T2U-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4125.5 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U2 - G2

Input Watts (W): 40
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

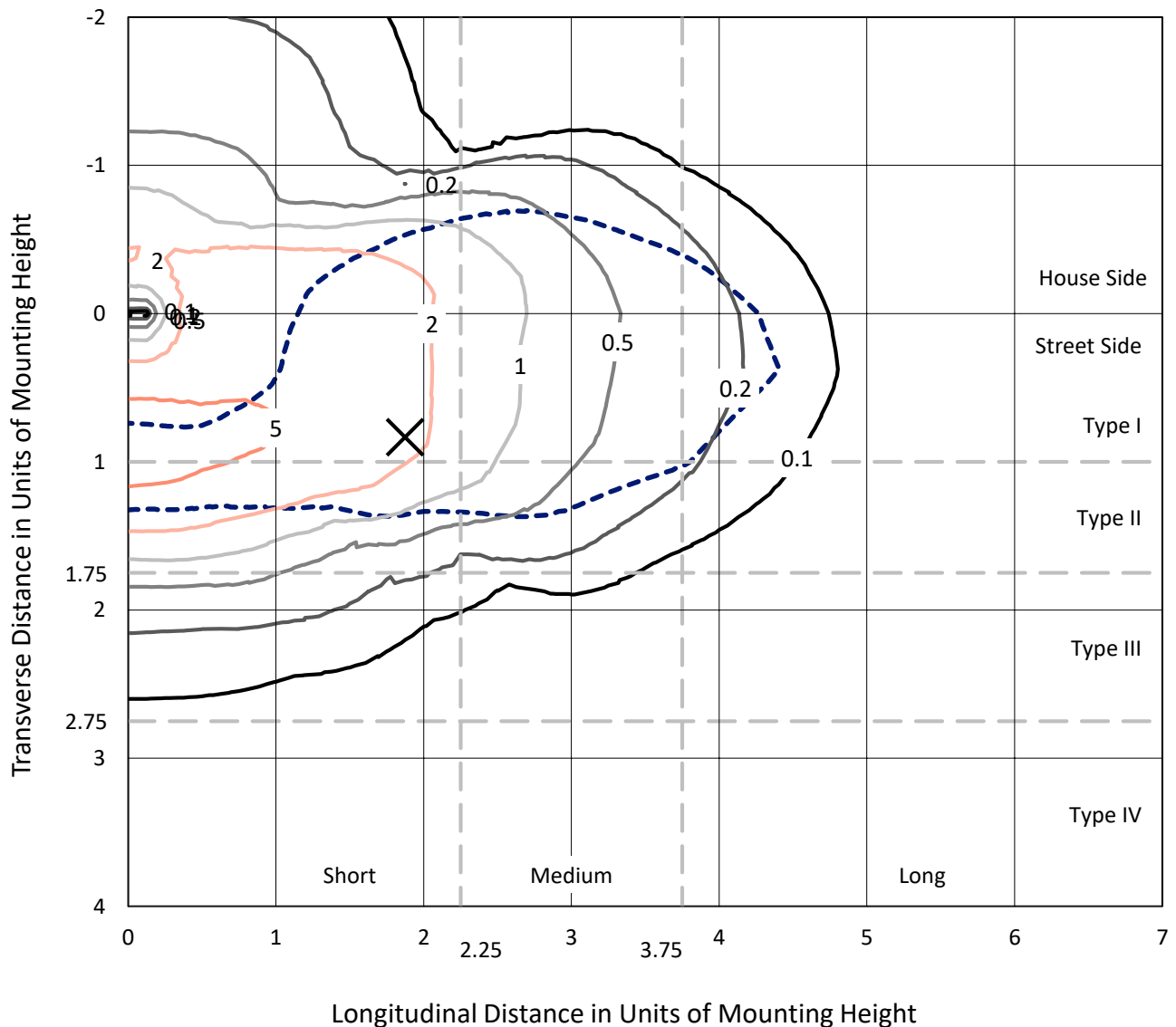


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

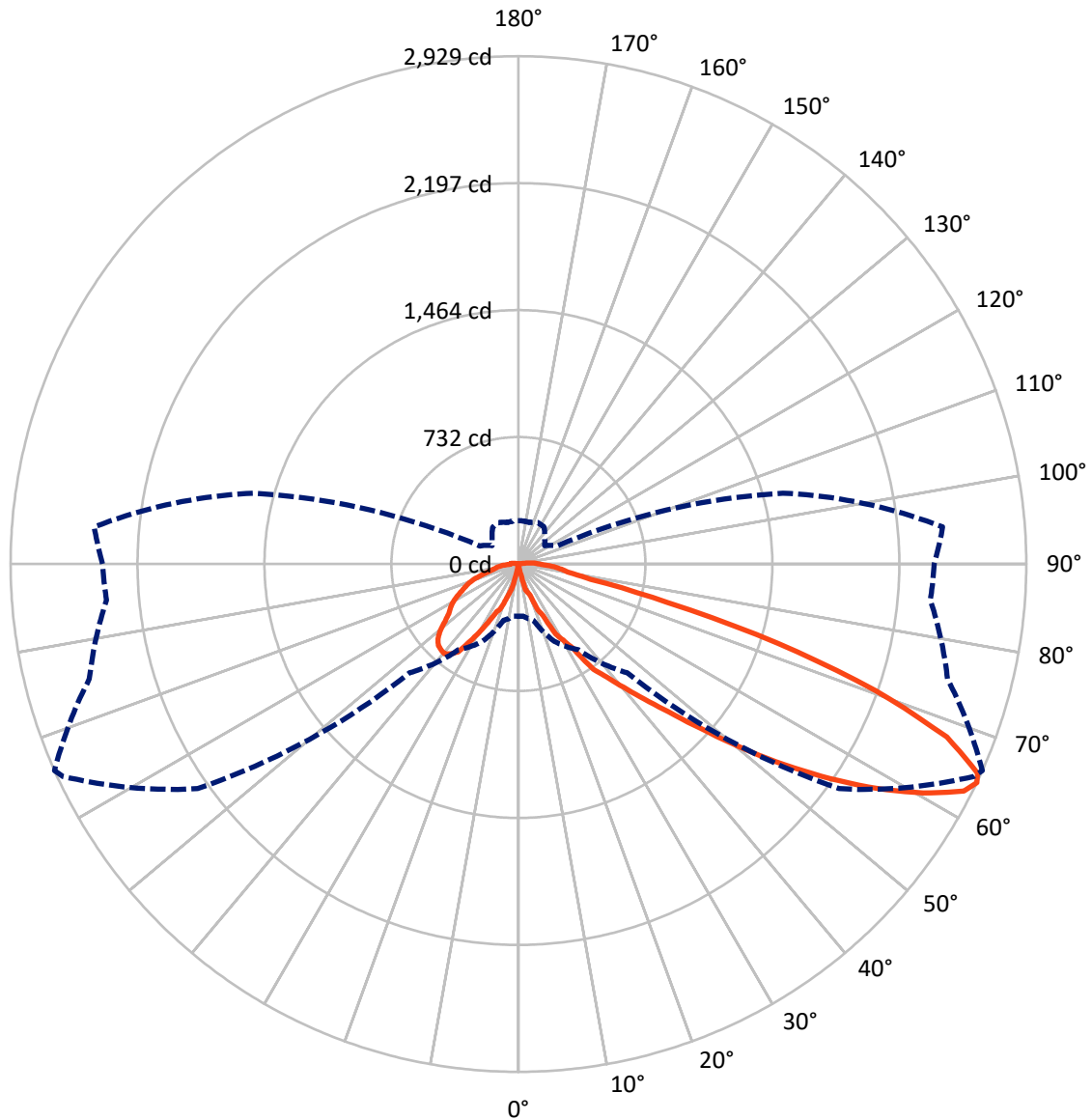


Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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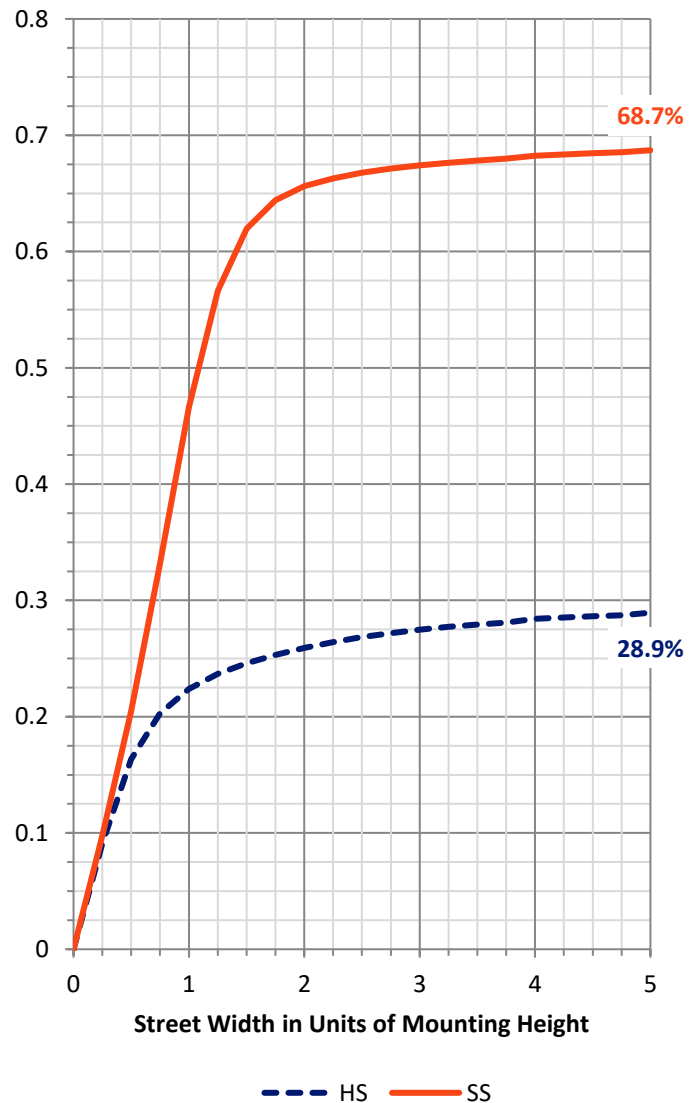
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1220.9	25.2	1246.1
	% Fixture	29.6	0.6	30.2
Street Side	Lumens	2856.5	22.9	2879.4
	% Fixture	69.2	0.6	69.8
Total	Lumens	4077.4	48.1	4125.5
	% Fixture	98.8	1.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	40.0	1.0
20°-30°	161.2	3.9
30°-40°	408.1	9.9
40°-50°	778.2	18.9
50°-60°	1043.9	25.3
60°-70°	966.6	23.4
70°-80°	543.6	13.2
80°-90°	133.0	3.2
90°-100°	40.6	1.0
100°-110°	4.8	0.1
110°-120°	1.3	0.0
120°-130°	0.8	0.0
130°-140°	0.3	0.0
140°-150°	0.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4077.4	98.8
0°-180°	4125.5	100.0



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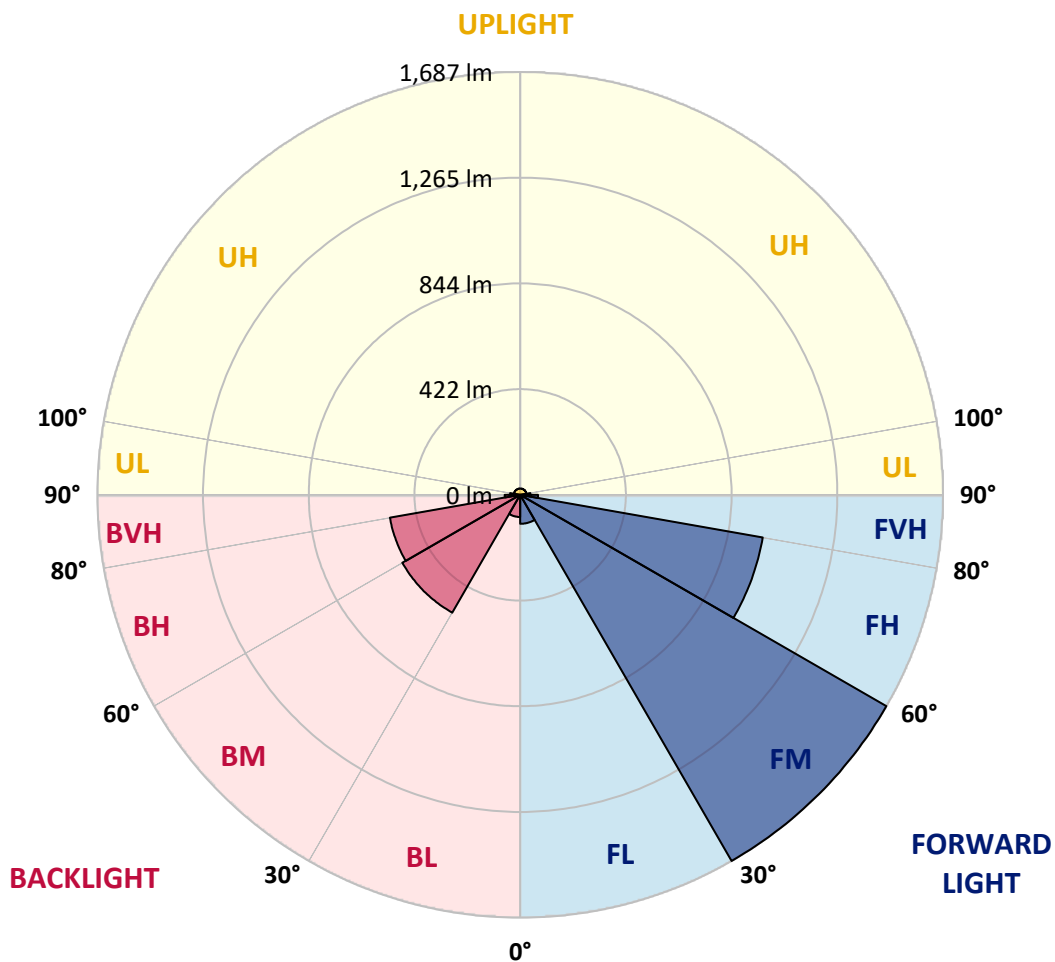
CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-CL-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.6	2.8			
FM (30°-60°)	1687.0	40.9			
FH (60°-80°)	982.7	23.8			G1/1800
FVH (80°-90°)	71.2	1.7			G1/100
BL (0°-30°)	88.4	2.1	B0/110		
BM (30°-60°)	543.2	13.2	B1/1000		
BH (60°-80°)	527.5	12.8	B2/1000		G2/1000
BVH (80°-90°)	61.9	1.5			G1/100
UL (90°-100°)	40.6	1.0		U2/50	
UH (100°-180°)	25.2	0.6		U2/50	

BUG Rating: B2-U2-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.8	4.8	4.8	5.4	4.8	4.4	4.0	2.9	2.4	1.4	1.4
5°	63.6	63.6	63.1	61.0	18.9	9.8	6.3	4.0	4.0	2.4	1.4
7.5°	71.3	70.8	70.8	68.9	68.4	63.1	32.0	6.3	5.8	3.4	1.9
10°	79.1	77.1	76.2	74.8	75.2	70.8	66.0	31.0	17.9	6.8	5.4
12.5°	146.5	145.6	141.2	118.9	82.5	75.7	74.2	62.1	60.1	51.9	60.6
15°	162.0	159.1	156.1	155.7	147.5	92.1	116.9	152.8	154.3	118.9	128.5
17.5°	189.1	184.3	174.6	167.3	163.1	189.1	174.2	168.8	170.2	145.6	145.0
20°	286.7	286.2	281.4	248.3	186.3	233.9	225.1	193.1	192.1	262.9	256.5
22.5°	338.0	329.9	323.5	312.8	320.1	256.1	273.5	281.4	287.7	301.7	288.6
25°	508.4	466.6	445.8	362.3	381.2	324.1	360.3	329.9	326.9	337.1	363.3
27.5°	586.4	588.8	572.4	542.8	440.5	454.5	402.1	462.2	458.4	466.6	447.8
30°	780.8	767.9	678.1	649.0	569.5	518.0	554.4	520.0	508.8	499.1	494.7
32.5°	962.8	962.3	938.1	817.8	716.8	606.3	630.5	577.7	581.0	644.2	659.7
35°	1245.5	1227.2	1081.6	1008.5	856.6	774.1	708.2	751.3	745.4	736.7	743.1
37.5°	1572.6	1549.2	1425.5	1196.6	1038.5	888.2	879.9	848.8	827.5	837.2	843.5
40°	1764.1	1744.8	1636.6	1442.0	1212.1	1087.0	1006.5	960.4	934.1	972.5	971.1
42.5°	1900.4	1883.4	1821.4	1620.6	1457.5	1324.2	1156.8	1090.9	1063.7	1122.4	1099.5
45°	1969.7	1940.2	1932.9	1781.6	1672.0	1612.3	1364.9	1250.9	1216.9	1279.5	1252.4
47.5°	1934.3	1901.8	1929.9	1833.9	1865.0	1862.6	1623.5	1437.2	1414.9	1467.3	1426.5
50°	1769.9	1751.0	1811.6	1824.7	1963.9	2065.3	1911.1	1634.6	1662.7	1637.5	1609.8
52.5°	1499.2	1491.5	1588.5	1697.7	1948.9	2198.2	2175.9	1860.6	1923.7	1811.2	1774.3
55°	1211.6	1213.1	1318.9	1447.9	1792.3	2217.2	2406.3	2130.3	2184.2	1986.3	1934.9
57.5°	884.7	923.6	1044.3	1153.9	1494.4	2093.0	2548.9	2400.0	2444.6	2167.1	2081.4
60°	573.8	588.0	733.3	907.5	1102.0	1716.6	2604.2	2647.0	2681.3	2354.9	2221.0
62.5°	378.8	380.3	440.5	641.3	762.0	1198.0	2469.4	2850.6	2883.6	2499.5	2339.9
64°	301.7	301.2	336.6	492.3	604.9	886.6	2258.4	2897.7	2928.7	2562.0	2384.5
65°	266.3	265.8	291.5	395.8	517.1	708.6	2047.8	2880.7	2910.7	2590.1	2396.6
67.5°	226.0	227.0	237.2	272.2	374.4	426.3	1252.8	2639.6	2664.4	2568.3	2354.4
70°	208.5	209.6	221.7	228.5	295.4	316.8	544.6	2156.0	2184.6	2468.9	2257.4
72.5°	183.9	185.3	201.2	218.7	234.3	262.9	346.8	1483.7	1565.6	2141.1	2127.0
75°	153.7	155.2	170.2	193.1	204.2	214.3	300.3	787.2	889.1	1611.3	1895.5
77.5°	125.6	126.6	139.2	154.7	185.7	166.4	262.9	402.6	426.8	1019.6	1401.8
80°	92.7	93.6	107.2	124.1	144.1	145.0	216.8	290.1	291.5	557.8	756.6
82.5°	63.6	64.0	77.6	87.3	101.8	134.4	173.6	239.2	251.3	331.3	347.8
85°	43.7	44.1	52.3	55.8	64.0	74.2	125.6	187.7	206.2	237.6	208.5
87.5°	20.9	21.9	22.8	24.2	25.2	26.2	53.9	138.2	145.6	158.7	164.9
90°	17.5	17.5	13.5	13.1	15.1	15.6	24.7	117.9	115.5	151.9	164.0
92.5°	17.5	17.5	12.6	12.1	13.5	13.1	17.9	97.0	94.1	149.3	162.0
95°	15.1	15.6	10.2	9.8	11.7	10.7	14.1	56.7	60.1	105.2	119.8
97.5°	12.6	12.6	7.7	7.7	8.2	7.7	9.2	20.9	23.3	44.6	52.9
100°	9.2	9.8	4.8	5.4	5.4	4.8	4.8	8.7	9.8	12.1	11.7
102.5°	7.7	8.7	3.4	4.0	2.9	2.9	2.4	4.0	4.0	6.3	9.2
105°	5.8	6.8	2.4	2.4	1.9	1.9	1.0	2.9	2.9	5.4	9.8
107.5°	3.4	4.0	1.4	1.4	1.4	1.9	1.0	1.9	2.4	4.4	8.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
110°	1.4	1.4	0.4	1.0	0.4	1.4	1.0	1.9	2.4	1.9	4.4
112.5°	0.0	0.0	0.0	0.0	0.0	0.4	1.0	1.4	1.4	1.0	2.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.0	0.4	1.0	2.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	2.4
120°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	2.4
122.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.4	1.0	1.9
125°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.9
127.5°	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4
130°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.4
132.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
135°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.4	0.4	0.0	0.0	0.0	0.0	0.0	0.4
147.5°	2.4	2.4	1.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4
150°	1.9	1.9	1.4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
152.5°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	1.4	1.9	1.9	2.4	2.4	2.9	2.9	2.9	2.9	2.4	2.4
5°	1.4	1.9	1.9	2.4	2.9	4.0	4.4	5.4	5.4	5.8	5.8
7.5°	1.9	1.9	2.4	2.9	4.4	7.3	21.9	69.4	71.8	78.1	78.5
10°	4.8	5.4	5.4	5.8	14.1	71.3	80.1	83.5	87.9	88.3	87.9
12.5°	64.0	61.6	59.2	18.5	70.4	85.9	88.3	93.1	95.6	102.8	102.8
15°	129.5	129.5	125.1	137.7	124.7	95.6	102.8	161.4	167.3	171.7	169.3
17.5°	147.0	147.0	144.1	174.6	187.7	151.4	165.4	178.0	181.9	182.9	182.4
20°	264.3	261.4	235.8	214.3	196.0	240.2	202.7	183.3	218.3	252.7	254.7
22.5°	287.7	283.7	277.4	281.4	257.6	247.4	232.2	243.9	251.8	253.2	253.7
25°	362.8	360.3	313.3	299.8	323.5	276.0	279.3	239.2	243.5	248.8	248.3
27.5°	449.6	441.9	418.1	358.9	338.6	325.5	263.9	252.7	279.3	280.8	279.9
30°	499.1	477.3	433.6	443.4	365.7	311.4	261.9	264.9	253.2	253.7	254.7
32.5°	665.5	639.2	583.0	515.6	390.5	293.0	253.7	237.6	256.5	260.0	261.4
35°	727.5	704.2	655.8	610.2	397.7	279.3	225.5	232.8	233.3	234.3	235.2
37.5°	813.9	781.4	741.1	639.2	395.3	246.0	219.7	220.7	236.2	239.2	240.6
40°	920.2	878.9	833.7	652.4	356.5	233.3	214.9	222.2	227.5	226.0	227.0
42.5°	1045.7	990.0	926.9	636.9	302.2	227.5	214.9	219.7	220.7	216.4	216.4
45°	1190.3	1128.2	1006.0	619.4	260.5	229.5	219.7	216.8	212.0	205.6	204.2
47.5°	1348.5	1276.1	1078.7	585.4	231.4	228.1	222.7	212.0	206.6	201.2	201.2
50°	1517.7	1441.5	1140.8	533.0	217.8	225.5	221.1	214.9	209.0	199.4	198.9
52.5°	1679.8	1617.6	1217.9	461.7	204.7	227.5	232.2	218.3	210.0	196.8	196.8
55°	1836.4	1800.5	1287.3	405.5	199.4	221.7	238.6	226.5	209.0	198.9	199.4
57.5°	1992.6	1988.2	1366.9	367.6	193.1	218.3	246.9	232.8	218.3	208.1	208.1
60°	2170.1	2190.0	1469.2	325.5	192.1	214.3	250.3	243.5	226.5	224.5	225.1
62.5°	2322.9	2374.8	1547.3	276.4	185.7	211.5	256.1	253.7	236.6	234.8	237.6
64°	2398.0	2455.8	1577.8	246.0	184.3	213.4	258.5	263.9	247.9	249.7	249.7
65°	2425.2	2482.0	1586.6	225.5	182.9	214.3	259.1	267.2	250.3	249.7	249.7
67.5°	2426.2	2470.0	1556.1	193.5	176.6	213.9	261.4	276.4	260.0	271.2	266.8
70°	2369.0	2312.3	1437.7	171.2	175.6	214.3	259.5	271.6	257.1	282.3	279.9
72.5°	2211.3	2007.6	1142.3	150.9	177.5	211.5	249.3	259.1	248.3	285.1	282.8
75°	1868.5	1564.8	703.3	141.2	175.2	201.2	237.2	235.8	230.4	253.7	252.2
77.5°	1283.9	1029.8	336.6	137.7	171.7	187.3	210.6	208.1	202.2	212.0	209.0
80°	664.6	544.2	203.2	126.0	159.6	162.5	171.7	173.6	167.3	169.8	165.8
82.5°	314.3	287.2	170.8	114.9	136.8	120.3	133.4	139.8	128.5	129.0	115.5
85°	196.4	200.3	140.6	89.3	92.1	73.2	92.7	99.4	85.3	72.7	69.4
87.5°	163.1	170.2	103.8	49.9	42.7	37.3	52.3	54.8	39.4	33.0	30.6
90°	168.3	173.6	102.3	39.8	34.0	28.1	38.4	34.0	24.2	21.3	19.4
92.5°	166.8	169.3	101.4	38.4	32.0	25.6	32.4	26.2	18.9	16.5	15.1
95°	125.6	134.8	82.0	37.3	28.1	20.9	24.2	20.3	13.1	11.7	10.7
97.5°	51.9	61.0	48.5	35.4	21.9	15.6	16.1	14.1	7.7	6.8	6.3
100°	10.2	16.1	25.6	25.6	10.7	8.2	8.2	7.7	4.0	3.4	2.9
102.5°	10.2	9.8	11.7	14.1	4.8	2.4	2.9	4.0	2.4	3.4	3.4
105°	10.7	10.2	6.3	4.0	2.9	1.4	1.0	1.0	1.9	4.0	4.4
107.5°	9.8	9.8	4.4	2.9	2.4	1.9	0.4	0.4	1.4	4.4	4.8



REPORT NUMBER: P254735

CATALOG NUMBER: LXF.LXT-AF24-40-D-U-T2U-CL-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	4.8	5.4	3.4	2.4	2.4	1.9	0.4	0.0	1.4	4.8	5.4
112.5°	2.9	2.9	2.9	1.9	1.4	1.4	0.4	0.0	1.4	5.4	5.8
115°	2.9	2.9	2.4	1.9	1.4	1.0	0.0	0.0	1.4	5.8	6.3
117.5°	2.9	2.9	2.4	1.4	1.0	0.4	0.0	0.0	1.4	5.8	6.3
120°	2.9	2.9	2.4	1.4	1.0	0.4	0.0	0.0	1.4	5.4	5.8
122.5°	2.9	2.9	2.4	1.4	1.0	0.4	0.0	0.0	1.4	4.4	4.8
125°	2.4	2.4	1.9	1.4	1.0	0.4	0.0	0.0	1.0	4.0	4.0
127.5°	1.9	2.4	1.9	1.4	1.0	0.4	0.0	0.0	1.0	2.9	3.4
130°	1.9	1.9	1.4	1.4	1.0	0.4	0.0	0.0	0.4	2.4	2.9
132.5°	1.4	1.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	1.0	1.4
135°	0.4	1.0	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0
140°	0.4	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0
142.5°	0.4	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0
145°	0.4	1.0	1.0	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.4	1.0	0.4	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.4	1.0	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.4	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)