

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: P414924

Luminaire Tested: **LXF.LXT-PA1-40-722-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-722-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3525.9 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U3 - G2

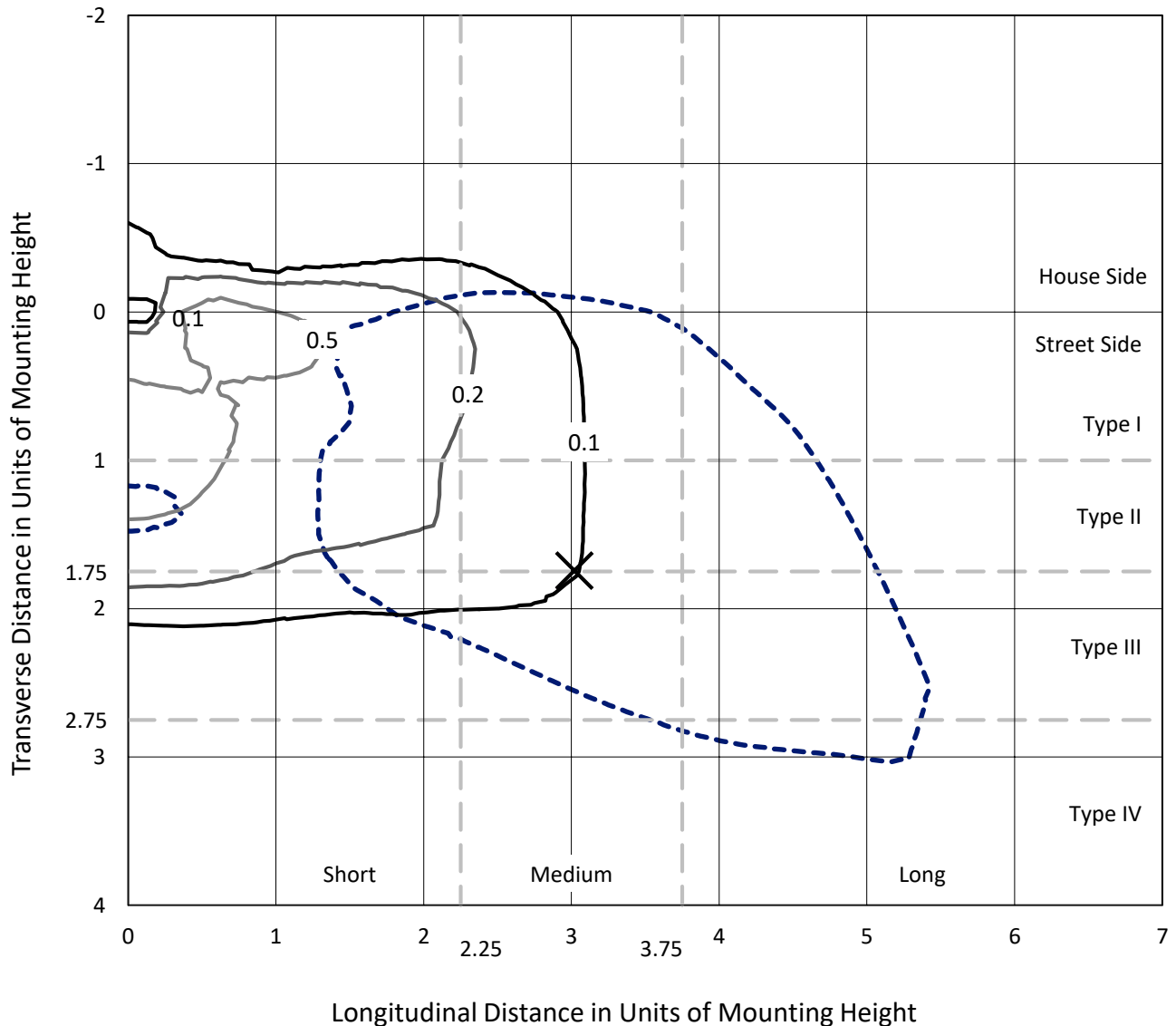
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

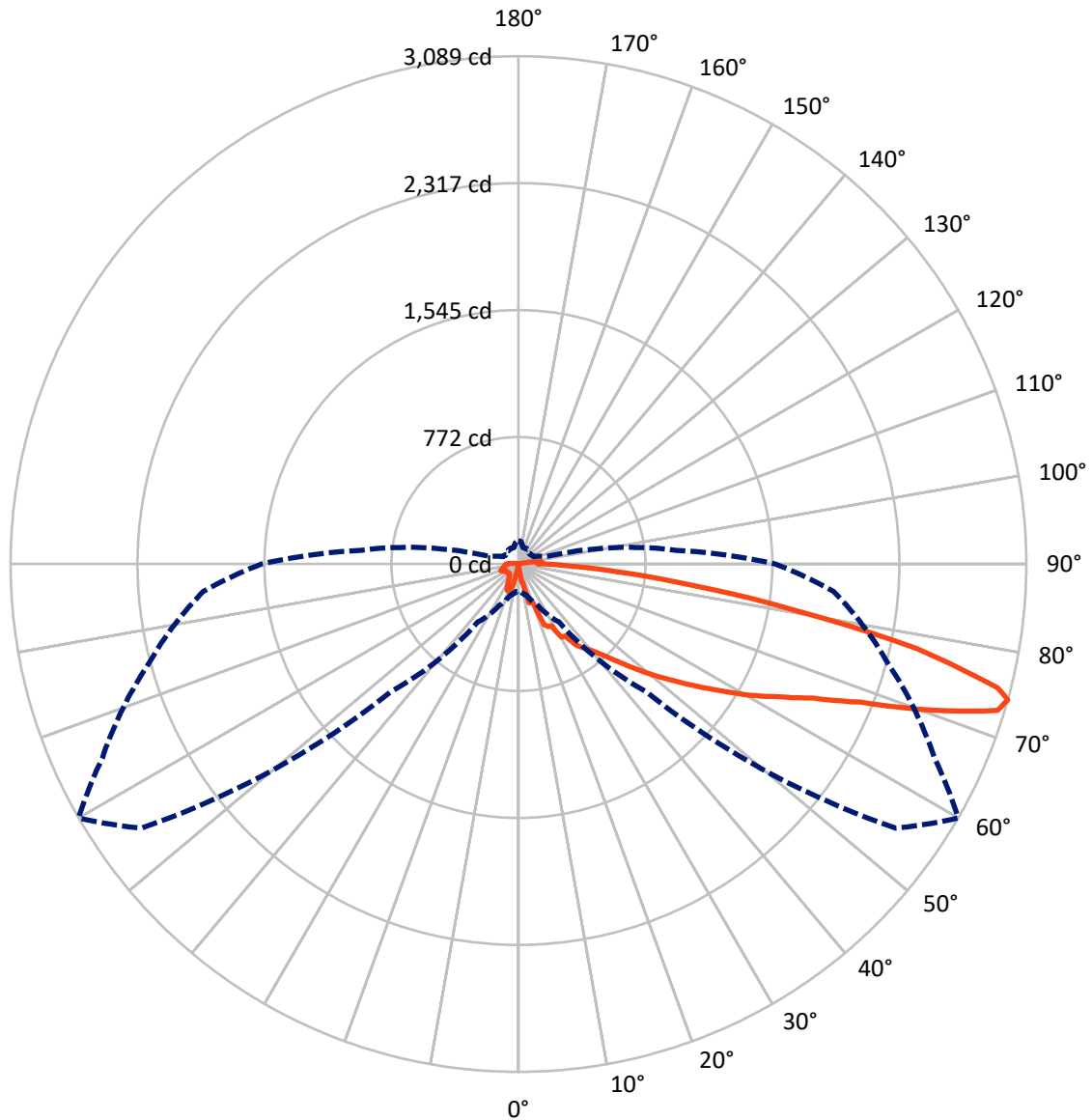
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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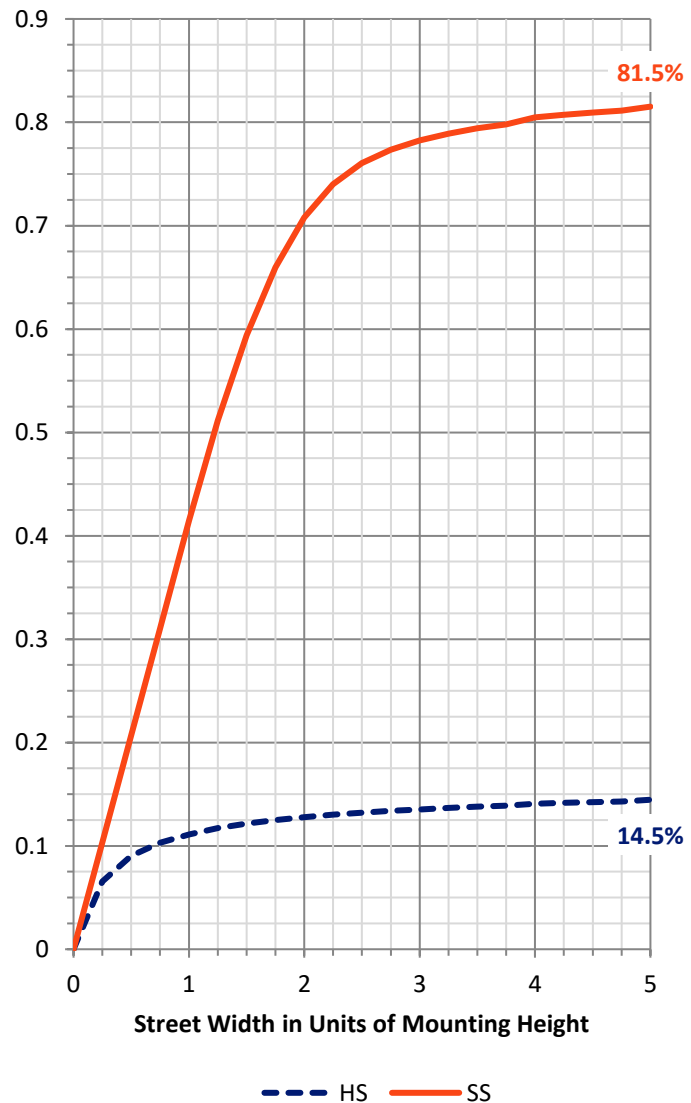
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	541.1	34.2	575.4
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	2913.9	36.7	2950.6
	% Fixture	82.6	1.0	83.7
Total	Lumens	3455.0	70.9	3525.9
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	45.0	1.3
20°-30°	136.3	3.9
30°-40°	272.9	7.7
40°-50°	468.2	13.3
50°-60°	713.7	20.2
60°-70°	879.4	24.9
70°-80°	735.2	20.9
80°-90°	200.2	5.7
90°-100°	51.7	1.5
100°-110°	9.3	0.3
110°-120°	3.4	0.1
120°-130°	2.6	0.1
130°-140°	1.8	0.1
140°-150°	1.5	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3455.0	98.0
0°-180°	3525.9	100.0



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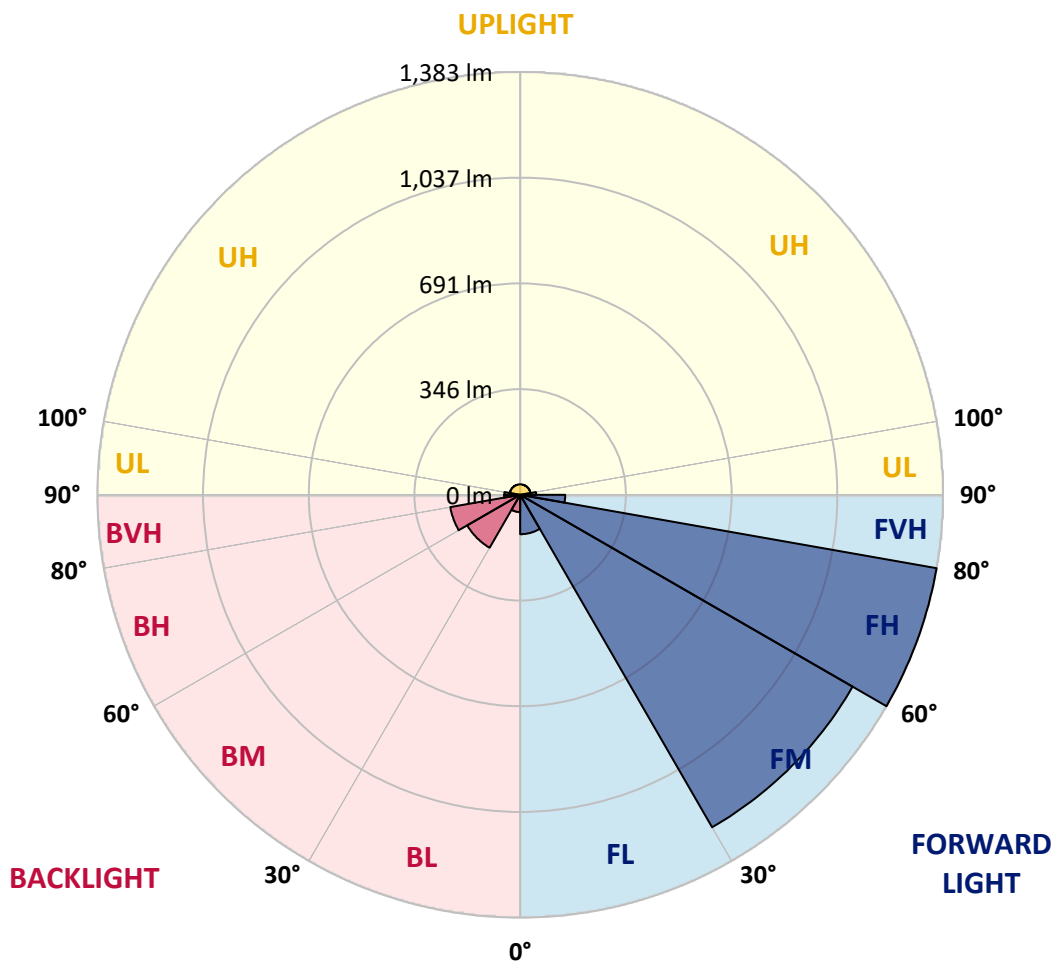
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.8	3.7			
FM (30°-60°)	1255.2	35.6			
FH (60°-80°)	1382.7	39.2			G1/1800
FVH (80°-90°)	147.2	4.2			G2/225
BL (0°-30°)	56.5	1.6	B0/110		
BM (30°-60°)	199.6	5.7	B0/220		
BH (60°-80°)	231.9	6.6	B1/500		G1/500
BVH (80°-90°)	53.0	1.5			G1/100
UL (90°-100°)	51.7	1.5		U3/500	
UH (100°-180°)	34.2	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	4.4	4.0	3.6	4.0	4.4	4.0	3.2	2.8	2.4	2.4	2.4
5°	117.5	115.9	115.1	89.8	21.3	13.3	5.2	3.6	3.2	2.4	2.4
7.5°	119.1	117.5	117.9	117.5	115.5	115.5	37.4	13.7	7.6	2.8	2.8
10°	125.6	123.2	119.9	119.5	118.7	117.5	115.5	113.1	25.8	4.4	4.0
12.5°	231.8	230.6	229.0	176.7	128.0	119.1	117.9	115.1	88.6	16.9	78.1
15°	230.2	229.8	227.0	228.2	227.8	129.6	146.9	245.1	235.5	170.7	196.8
17.5°	241.5	240.3	231.8	226.6	227.0	258.8	240.3	241.9	242.7	215.7	210.9
20°	327.6	325.6	324.8	315.6	230.6	303.9	309.9	251.2	257.2	334.9	374.3
22.5°	331.7	328.8	325.6	323.2	363.9	302.7	327.6	400.1	382.0	443.2	417.8
25°	448.0	440.3	408.5	330.9	363.5	348.6	423.8	421.8	399.3	462.5	446.8
27.5°	485.0	479.8	456.4	438.7	370.7	417.4	421.4	425.9	502.3	638.0	594.5
30°	649.6	609.0	503.9	493.1	442.4	421.0	481.8	516.4	565.1	640.8	628.7
32.5°	743.8	724.1	673.4	595.7	518.0	460.5	522.5	522.5	567.9	774.4	794.9
35°	896.4	832.8	733.8	681.0	590.9	551.0	538.6	606.6	671.4	813.5	812.3
37.5°	951.5	945.5	908.5	746.6	694.7	599.3	627.9	648.8	703.6	869.8	867.4
40°	981.7	995.0	997.8	888.3	771.6	692.3	682.2	693.9	746.6	949.1	918.5
42.5°	1083.9	1088.8	1103.7	978.9	886.7	793.7	765.6	760.7	797.4	1041.3	986.1
45°	1249.0	1251.4	1240.5	1083.1	980.5	894.4	863.0	844.5	876.7	1132.7	1071.9
47.5°	1438.2	1443.8	1391.5	1201.1	1065.8	991.4	974.5	945.9	966.4	1215.2	1178.5
50°	1588.7	1587.1	1493.7	1296.5	1152.0	1090.8	1085.6	1059.0	1061.4	1315.4	1293.7
52.5°	1627.7	1625.3	1545.6	1366.9	1230.5	1194.2	1218.0	1176.9	1155.6	1419.2	1413.2
55°	1569.0	1573.4	1536.0	1396.3	1280.4	1285.2	1346.8	1311.4	1282.4	1517.4	1527.1
57.5°	1484.0	1478.8	1484.4	1407.6	1319.4	1374.2	1500.1	1455.9	1428.1	1628.5	1639.4
60°	1326.7	1319.4	1392.3	1395.5	1355.6	1474.8	1663.2	1620.1	1581.0	1745.7	1734.0
62.5°	1087.2	1077.9	1209.5	1321.4	1397.1	1592.7	1824.2	1777.5	1739.6	1870.0	1847.9
65°	723.7	767.6	921.7	1159.6	1381.8	1762.6	2037.1	1967.0	1898.2	1997.6	1993.6
67.5°	419.8	451.2	564.3	824.7	1255.8	1907.9	2374.8	2242.0	2123.2	2142.1	2132.9
70°	260.4	270.1	319.2	475.8	885.1	1860.0	2749.1	2663.4	2411.8	2303.1	2154.6
72.5°	202.1	208.5	236.7	310.7	538.2	1438.6	2927.0	3047.4	2703.2	2345.4	2047.5
74°	165.4	169.5	198.8	278.1	431.9	1096.8	2800.6	3089.2	2792.6	2324.9	1924.4
75°	130.8	134.8	167.8	266.9	410.6	875.0	2613.5	3011.5	2795.4	2293.1	1775.9
77.5°	80.1	82.9	90.6	184.3	373.1	499.9	1928.4	2479.0	2477.4	1904.3	1273.5
80°	63.6	64.4	67.6	97.0	303.9	453.2	1221.2	1711.1	1698.6	1143.1	652.5
82.5°	43.9	47.1	53.5	62.8	161.8	444.0	770.0	1063.0	916.9	435.1	272.9
85°	29.4	31.8	40.7	46.7	86.5	472.5	552.6	598.1	451.2	215.3	179.9
87.5°	12.1	12.5	18.5	22.5	35.0	226.6	371.9	296.2	207.7	136.4	146.5
90°	6.4	6.4	4.8	5.2	12.9	48.7	121.6	117.9	97.8	112.3	137.7
92.5°	7.2	7.2	4.8	5.2	12.5	38.2	131.6	134.4	112.3	119.5	147.3
95°	8.1	8.1	4.8	4.8	12.1	26.2	126.4	142.1	115.5	125.6	148.5
97.5°	8.9	9.3	4.4	4.4	9.7	19.7	79.3	97.0	75.3	65.2	71.2
100°	9.3	9.3	4.0	4.0	6.4	14.1	36.6	46.7	36.2	16.9	11.7
102.5°	9.3	9.7	4.0	3.6	4.4	8.9	11.7	16.9	13.3	10.1	10.9
105°	8.9	9.7	4.0	3.6	3.6	4.8	6.0	6.8	7.2	7.2	11.3
107.5°	6.8	7.6	3.2	3.6	3.2	3.2	2.4	2.8	3.6	6.4	11.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	4.8	4.8	2.4	3.2	2.8	3.2	2.0	2.4	3.2	4.8	9.3
112.5°	2.4	2.0	1.6	2.4	2.4	2.8	2.0	2.0	2.8	4.0	6.4
115°	1.6	2.0	1.2	1.6	2.0	2.0	1.6	2.0	2.4	4.0	6.8
117.5°	1.6	1.6	1.2	1.6	2.0	1.6	1.6	2.0	2.4	4.0	6.8
120°	2.0	1.6	1.2	1.6	1.6	1.2	1.6	2.0	2.0	4.0	6.8
122.5°	2.0	2.0	1.6	1.6	1.6	1.2	1.6	1.6	2.0	4.0	6.4
125°	2.4	2.0	1.6	1.6	1.6	1.2	1.6	1.6	2.0	3.6	6.0
127.5°	2.4	2.4	1.6	1.6	2.0	1.2	1.6	1.6	2.0	3.2	5.6
130°	2.4	2.4	2.0	1.6	2.0	1.6	1.6	1.6	2.0	2.8	4.8
132.5°	2.4	2.4	2.0	2.0	2.0	1.6	1.6	1.6	1.6	2.4	4.0
135°	2.8	2.4	2.0	2.0	2.4	1.6	1.6	1.6	1.6	2.0	2.8
137.5°	2.8	2.8	2.4	2.4	2.8	2.0	1.6	2.0	2.0	2.0	2.4
140°	3.2	3.2	3.2	2.8	2.8	2.0	2.0	2.0	2.0	2.4	2.4
142.5°	4.0	3.6	3.6	3.2	2.8	2.0	2.0	2.0	2.4	2.4	2.4
145°	4.4	4.4	4.0	3.6	2.8	2.0	2.0	2.4	2.4	2.8	2.8
147.5°	4.4	4.4	4.0	3.2	2.4	1.6	2.0	2.4	2.4	2.8	3.2
150°	4.4	4.0	3.6	2.8	2.0	1.2	1.6	2.0	2.4	2.8	3.2
152.5°	3.2	3.2	2.8	2.0	1.6	0.8	1.2	1.6	2.0	2.4	2.8
155°	2.0	2.0	1.6	1.2	1.2	0.8	1.2	1.6	1.6	2.0	2.4
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.6	1.6
160°	0.4	0.4	0.8	0.4	0.8	0.8	0.8	1.2	1.2	1.2	1.2
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°	2.4	2.4	2.4	2.0	2.0	1.2	1.6	1.6	2.0	2.4	2.8
5°	2.4	2.8	2.4	2.0	2.0	1.6	2.0	2.0	2.0	2.8	2.8
7.5°	2.8	2.8	2.4	2.4	2.0	1.6	2.8	86.9	99.8	103.0	103.8
10°	3.6	3.6	3.2	2.8	2.4	93.8	103.4	103.4	102.6	103.4	103.4
12.5°	80.1	86.1	13.7	6.8	77.3	97.4	95.0	93.4	91.8	90.2	89.4
15°	194.8	188.8	173.1	130.0	119.9	89.4	82.1	113.9	121.6	123.6	123.2
17.5°	205.7	196.0	172.3	180.7	158.6	114.3	103.0	102.2	97.8	97.8	98.2
20°	386.8	364.7	235.1	176.3	137.7	138.5	88.1	78.5	82.1	87.3	90.6
22.5°	397.3	368.3	274.9	229.4	124.0	111.9	86.1	76.1	102.6	113.1	113.9
25°	423.8	377.6	278.5	193.2	140.1	91.8	85.7	79.3	94.2	103.8	103.0
27.5°	574.0	509.2	353.8	177.9	110.7	86.5	80.9	76.1	93.8	109.5	109.1
30°	573.2	501.9	326.8	163.8	91.4	80.5	73.7	82.9	87.3	93.4	93.8
32.5°	744.2	638.0	357.4	136.0	80.9	69.6	72.9	75.7	79.3	94.6	97.8
35°	747.9	623.9	310.3	124.8	74.5	66.4	68.4	74.9	82.5	92.2	93.0
37.5°	762.3	616.6	257.6	103.0	76.5	67.2	71.2	78.5	76.5	89.8	91.4
40°	788.9	618.7	216.5	92.2	75.3	67.2	74.5	75.7	76.1	82.9	83.7
42.5°	830.0	629.5	181.9	87.3	74.1	72.9	72.0	72.5	69.6	83.3	84.9
45°	888.3	652.1	155.4	85.7	74.1	84.9	75.3	72.5	66.4	95.8	102.6
47.5°	974.5	696.3	139.7	86.1	74.5	81.3	74.5	70.4	69.2	111.9	116.7
50°	1071.9	747.1	129.2	87.7	74.5	80.1	73.3	72.5	76.9	113.5	114.7
52.5°	1176.5	814.7	125.6	89.4	80.1	81.3	83.3	82.9	74.1	91.0	91.0
55°	1282.8	884.7	126.8	91.4	84.5	83.3	89.0	78.5	63.6	67.6	66.8
57.5°	1383.0	966.4	135.2	90.2	81.7	82.5	89.8	73.7	63.6	67.6	69.2
60°	1491.7	1055.0	158.6	86.9	80.5	80.1	88.6	77.7	63.6	77.7	78.1
62.5°	1624.1	1176.9	209.3	90.2	86.9	82.5	89.0	85.7	72.9	74.5	76.1
65°	1780.7	1302.9	257.6	102.6	91.8	82.9	87.7	90.2	82.5	79.7	79.3
67.5°	1895.4	1333.9	259.6	119.1	98.2	87.3	88.6	98.2	90.2	91.8	91.0
70°	1866.4	1249.4	225.0	126.0	102.2	91.0	91.0	101.8	95.0	109.1	109.5
72.5°	1724.7	1084.8	190.0	116.7	97.0	92.2	101.0	105.5	101.0	131.2	129.6
74°	1562.1	960.8	174.7	106.3	95.0	91.8	103.8	105.5	104.2	140.1	138.9
75°	1437.3	863.4	166.2	100.2	93.8	90.6	104.7	105.9	105.5	141.3	140.9
77.5°	993.4	583.2	145.3	89.4	91.8	90.6	104.2	108.3	111.1	140.5	139.3
80°	509.6	319.2	121.2	84.5	91.0	93.0	103.0	104.7	109.1	132.8	131.6
82.5°	255.6	183.9	89.0	77.7	92.2	101.0	103.4	101.4	102.6	122.4	120.3
85°	164.6	127.2	59.2	65.2	93.8	109.5	103.0	94.6	96.2	106.7	105.9
87.5°	132.4	94.2	36.2	50.7	99.8	100.2	94.2	83.7	81.7	83.7	82.5
90°	122.4	87.3	30.6	47.9	96.6	83.7	76.9	68.4	61.2	61.6	59.2
92.5°	131.6	91.4	32.6	47.5	76.9	58.8	56.4	51.9	43.1	38.2	35.8
95°	129.6	87.7	33.0	40.3	56.4	33.4	39.8	36.6	26.6	20.1	18.9
97.5°	62.4	44.3	29.4	31.4	33.0	25.4	33.8	31.0	19.3	12.5	11.7
100°	11.7	16.5	26.2	29.8	26.2	19.7	26.6	23.7	10.5	6.4	6.0
102.5°	11.3	9.3	19.7	27.0	16.5	11.3	14.5	13.3	6.8	4.8	4.8
105°	11.7	9.3	9.3	18.5	10.1	5.2	4.4	6.4	4.8	4.8	5.2
107.5°	12.1	9.3	5.6	6.0	4.8	4.0	3.2	3.2	3.6	5.2	5.6



REPORT NUMBER: P414924

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	9.7	8.1	5.2	4.8	4.4	4.0	3.2	2.8	3.6	5.6	6.0
112.5°	6.8	6.4	4.8	4.0	3.6	3.6	2.8	2.4	3.6	6.0	6.4
115°	6.8	6.4	4.0	3.6	2.8	3.2	2.8	2.4	3.6	6.8	7.2
117.5°	7.2	6.0	4.0	3.2	2.4	2.4	2.4	2.4	4.0	6.8	7.2
120°	7.2	6.0	4.0	2.8	2.4	2.0	2.4	2.4	4.0	6.8	7.6
122.5°	6.8	6.0	3.6	2.8	2.4	2.0	2.0	2.0	3.6	6.8	7.2
125°	6.4	5.6	3.6	2.8	2.4	1.6	2.0	2.0	3.6	6.4	7.2
127.5°	6.0	5.2	3.6	2.8	2.0	1.6	2.0	2.0	3.6	6.0	6.8
130°	5.2	4.8	3.2	2.4	2.0	1.6	2.0	2.0	3.6	5.6	6.4
132.5°	4.4	4.0	2.8	2.4	2.0	1.6	2.0	1.6	2.8	5.2	5.6
135°	3.2	3.2	2.8	2.0	2.0	1.2	1.6	1.6	2.4	4.0	4.4
137.5°	2.8	2.8	2.4	2.0	2.0	1.2	1.6	1.2	2.0	3.2	3.6
140°	2.8	2.8	2.4	2.0	1.6	1.2	1.2	1.2	1.6	2.8	2.8
142.5°	2.8	2.8	2.4	2.0	1.6	1.2	1.2	1.2	1.6	2.4	2.8
145°	2.8	2.8	2.8	2.4	1.6	1.2	1.2	1.2	1.6	2.4	2.4
147.5°	3.2	3.2	2.8	2.0	1.6	0.8	0.8	1.2	1.6	2.4	2.4
150°	3.2	3.2	2.8	2.0	1.6	0.8	0.4	0.8	1.2	2.0	2.4
152.5°	2.8	2.8	2.4	2.0	1.2	0.8	0.4	0.8	1.2	2.0	2.0
155°	2.4	2.4	2.0	1.6	1.2	0.4	0.0	0.4	0.8	1.6	1.6
157.5°	1.6	2.0	1.6	1.2	0.8	0.4	0.0	0.4	0.4	1.2	1.2
160°	1.6	1.6	1.6	1.2	0.8	0.4	0.0	0.0	0.4	0.8	0.8
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)