

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: P414951

Luminaire Tested: **LXF.LXT-PA1-40-722-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3630.9 lumens
Efficiency: N/A
Efficacy: 90.8 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 - G2

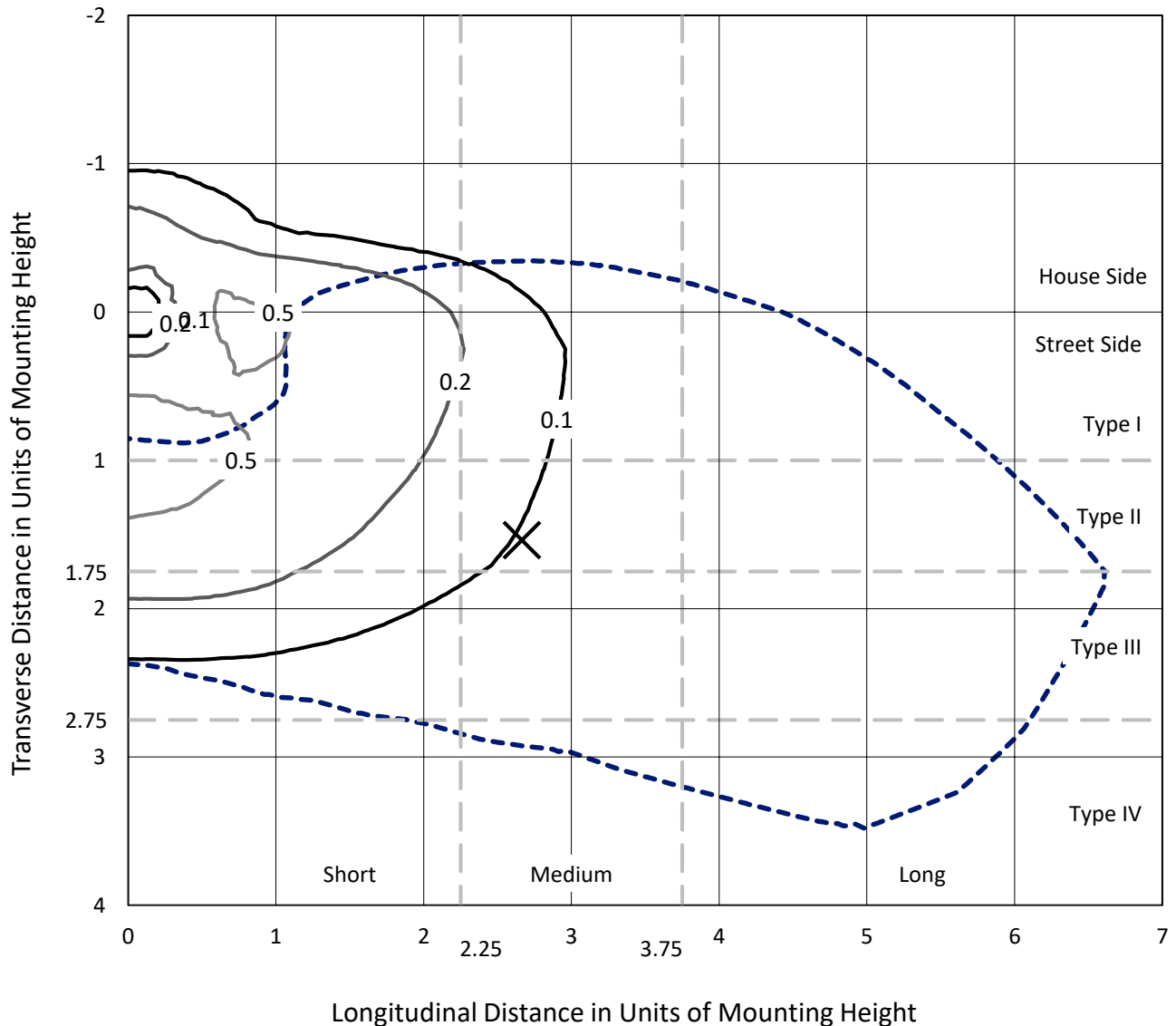
Input Watts (W): 40
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

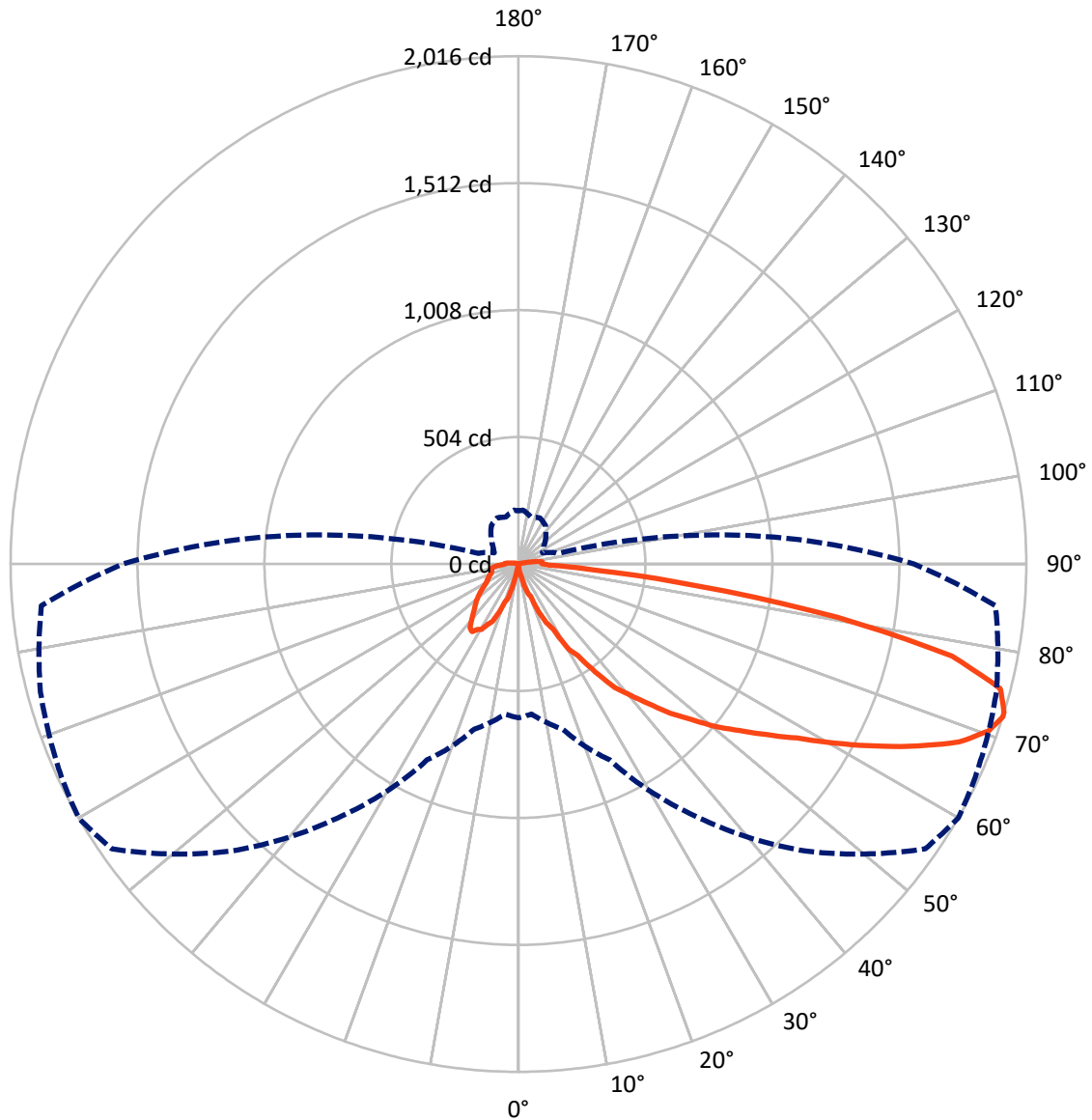
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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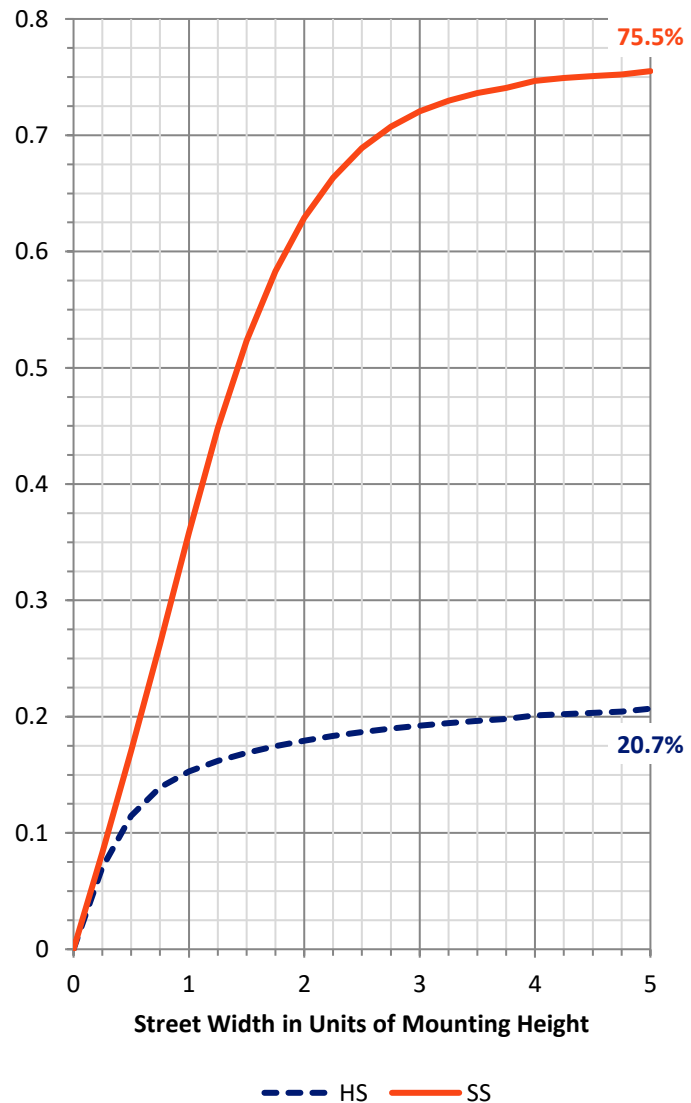
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	793.6	38.7	832.3
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2764.7	34.0	2798.7
	% Fixture	76.1	0.9	77.1
Total	Lumens	3558.3	72.7	3630.9
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	29.7	0.8
20°-30°	123.8	3.4
30°-40°	286.0	7.9
40°-50°	502.2	13.8
50°-60°	759.0	20.9
60°-70°	935.8	25.8
70°-80°	722.5	19.9
80°-90°	197.4	5.4
90°-100°	53.6	1.5
100°-110°	9.3	0.3
110°-120°	3.6	0.1
120°-130°	2.5	0.1
130°-140°	1.7	0.0
140°-150°	1.4	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3558.3	98.0
0°-180°	3630.9	100.0

Coefficient of Utilization



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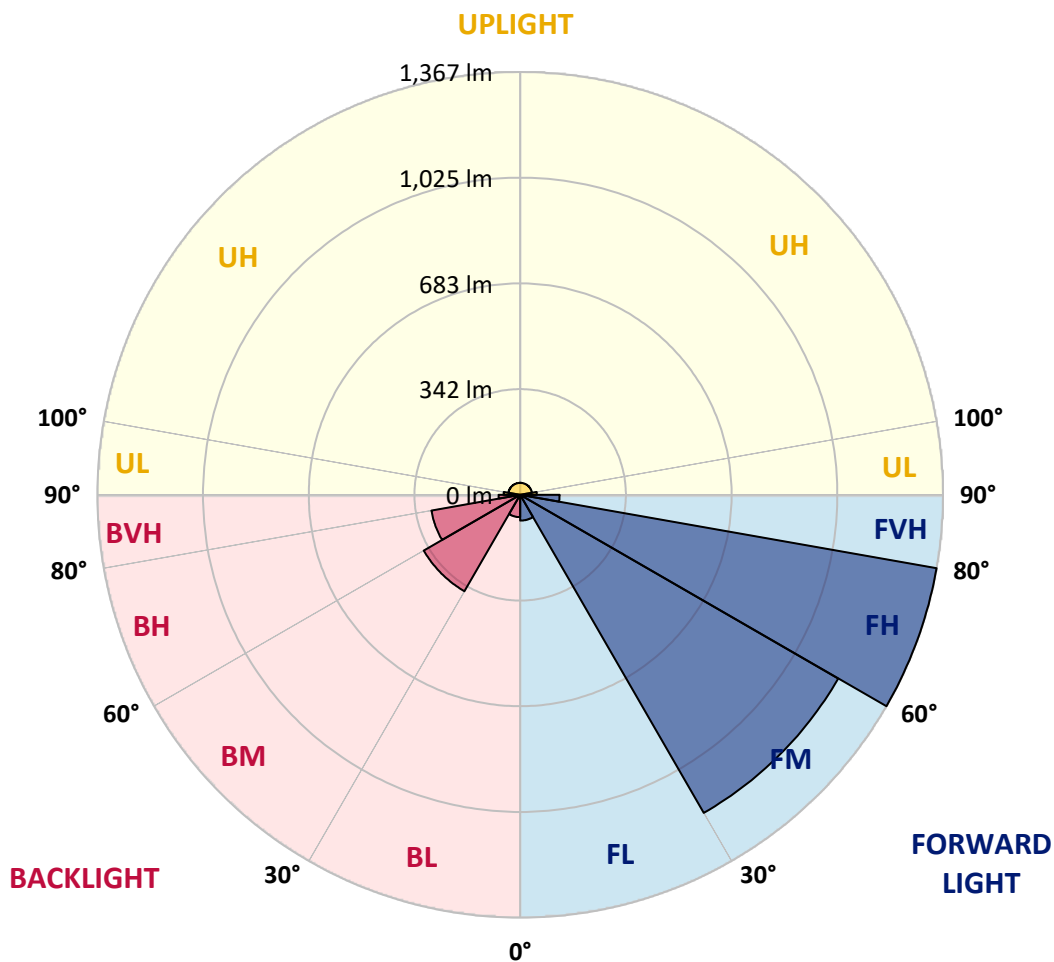
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.3	2.3			
FM	(30°-60°)	1187.2	32.7			
FH	(60°-80°)	1366.7	37.6			G1/1800
FVH	(80°-90°)	127.5	3.5			G2/225
BL	(0°-30°)	72.1	2.0	B0/110		
BM	(30°-60°)	359.9	9.9	B1/1000		
BH	(60°-80°)	291.6	8.0	B1/500		G1/500
BVH	(80°-90°)	69.9	1.9			G1/100
UL	(90°-100°)	53.6	1.5		U3/500	
UH	(100°-180°)	38.7	1.1		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	4.8	4.4	4.0	4.0	4.4	4.0	3.6	3.2	2.8	2.8	2.4
5°	45.1	43.9	43.5	35.0	16.1	12.5	5.6	4.4	3.6	2.8	2.4
7.5°	49.9	49.5	49.1	49.1	48.3	45.9	26.2	12.9	7.2	3.6	3.2
10°	57.2	56.4	53.9	52.7	51.5	50.7	47.1	44.7	20.1	6.0	5.2
12.5°	101.8	100.2	97.8	72.5	62.0	54.7	53.5	51.5	44.7	18.5	37.4
15°	109.5	109.1	107.5	106.3	103.0	68.4	82.9	94.6	107.1	87.3	97.4
17.5°	137.7	133.6	123.2	117.1	115.1	125.6	119.9	122.0	122.0	117.5	111.5
20°	205.7	202.9	197.6	174.3	131.2	161.8	158.6	134.8	138.9	171.9	199.6
22.5°	247.9	245.1	234.3	219.4	216.6	179.9	187.2	204.5	209.3	241.1	240.7
25°	336.5	331.3	307.9	264.0	269.7	232.3	261.2	257.2	244.7	265.7	272.9
27.5°	411.0	406.5	395.3	373.1	312.8	324.8	297.1	291.8	325.2	384.0	382.8
30°	493.1	468.9	438.7	431.9	387.2	368.3	375.5	392.9	405.3	411.0	425.1
32.5°	598.1	595.3	572.8	483.8	469.7	421.0	455.6	431.9	441.6	522.9	571.2
35°	671.0	678.2	638.4	585.3	518.4	517.2	502.7	526.5	572.8	584.0	617.5
37.5°	840.9	842.9	807.0	655.3	611.8	570.0	615.0	621.5	634.4	653.7	681.9
40°	968.9	950.7	906.5	793.8	699.2	653.7	685.9	685.1	713.3	748.7	766.4
42.5°	1126.6	1106.5	1027.2	899.6	811.1	760.8	764.0	757.1	780.5	836.4	847.3
45°	1259.1	1250.2	1189.0	1054.6	934.6	874.3	852.5	844.1	855.7	926.2	932.2
47.5°	1384.2	1360.5	1320.7	1184.6	1114.2	1004.3	941.9	921.8	925.4	1005.5	1023.2
50°	1516.7	1476.8	1427.7	1308.2	1257.1	1167.7	1044.5	1013.1	1014.3	1088.4	1118.6
52.5°	1595.2	1532.0	1500.2	1401.2	1349.6	1305.0	1152.0	1097.7	1103.3	1173.3	1219.2
55°	1546.5	1527.5	1528.4	1469.2	1430.9	1378.6	1256.2	1195.5	1201.9	1284.0	1341.6
57.5°	1464.4	1478.8	1530.0	1527.5	1506.2	1455.1	1360.1	1303.3	1340.4	1409.2	1470.0
60°	1401.2	1417.7	1500.6	1543.2	1583.1	1545.7	1467.6	1443.0	1477.6	1537.6	1610.5
62.5°	1295.7	1309.0	1422.9	1535.6	1581.1	1622.9	1569.8	1591.9	1623.7	1674.5	1763.0
65°	1151.6	1148.4	1290.1	1465.6	1567.8	1666.0	1701.4	1742.1	1771.1	1825.4	1905.9
67.5°	981.3	997.4	1116.6	1314.6	1515.9	1687.7	1812.1	1886.6	1904.7	1925.6	1983.6
70°	801.4	800.6	904.9	1115.4	1404.4	1675.7	1917.2	1981.6	1982.0	1969.5	1986.8
72°	611.0	598.1	678.6	858.2	1219.6	1610.9	1971.1	2016.2	2001.3	1964.3	1901.1
72.5°	524.5	536.2	611.8	808.3	1136.7	1578.7	1976.8	2015.8	1999.7	1959.0	1875.3
75°	266.1	249.2	292.2	433.1	784.1	1275.6	1936.1	1976.3	1931.3	1880.6	1644.3
77.5°	104.3	107.1	124.0	187.2	381.6	840.0	1671.2	1759.0	1730.0	1694.2	1296.9
80°	73.3	73.3	82.9	106.7	195.6	341.3	1158.0	1285.6	1330.3	1348.0	867.4
82.5°	53.1	53.9	63.2	74.5	139.7	163.8	568.8	714.5	784.9	850.9	485.0
85°	49.5	49.5	50.7	49.9	99.8	116.7	206.9	305.1	352.6	413.4	196.0
87.5°	23.3	25.4	37.4	29.8	49.1	72.1	112.7	122.4	125.2	142.1	140.9
90°	15.3	15.3	12.5	12.9	24.2	58.4	90.6	92.6	89.0	104.3	131.2
92.5°	15.7	16.1	11.7	12.1	18.9	53.5	93.0	94.6	91.8	109.5	139.3
95°	14.5	14.5	10.1	10.5	14.9	41.1	93.0	94.6	86.5	109.1	139.3
97.5°	12.1	12.5	8.1	8.5	11.7	20.1	64.4	69.2	55.1	55.5	68.0
100°	10.5	10.5	6.4	6.8	8.5	9.3	32.6	34.2	30.6	13.7	9.3
102.5°	10.5	10.5	5.6	5.6	5.6	5.2	10.1	16.9	14.1	8.1	8.9
105°	10.1	10.5	5.2	4.4	4.4	4.0	5.2	6.4	6.4	6.4	9.3
107.5°	8.1	8.5	4.0	4.0	3.6	3.6	2.8	2.8	4.0	6.0	10.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	6.4	6.4	3.2	3.6	2.8	3.2	2.4	2.4	3.6	4.4	7.6
112.5°	3.6	3.6	2.4	2.8	2.4	2.8	2.4	2.4	2.8	3.6	4.8
115°	3.2	3.2	2.0	2.0	2.0	2.0	2.0	2.0	2.4	3.2	5.2
117.5°	3.2	3.2	2.0	2.0	2.0	1.6	1.6	2.0	2.0	3.2	5.2
120°	3.2	3.2	2.0	2.0	1.6	1.6	1.6	2.0	2.0	3.2	5.2
122.5°	3.6	3.2	2.0	1.6	1.6	1.6	1.6	1.6	2.0	2.8	5.2
125°	3.6	3.2	2.4	1.6	1.6	1.6	1.6	1.6	2.0	2.8	4.4
127.5°	3.6	3.6	2.4	1.6	1.6	1.6	1.6	1.6	1.6	2.4	4.0
130°	3.6	3.2	2.4	1.6	1.6	1.6	1.6	1.6	1.6	2.4	3.6
132.5°	3.2	3.2	2.4	1.6	2.0	1.6	1.6	1.6	1.6	2.0	2.8
135°	2.8	2.8	2.0	2.0	2.0	1.6	1.6	1.6	1.6	1.6	2.4
137.5°	2.8	2.8	2.4	2.0	2.0	2.0	1.6	1.6	1.6	1.6	2.0
140°	2.8	2.8	2.4	2.4	2.4	2.0	1.6	1.6	1.6	2.0	2.0
142.5°	3.2	3.2	2.8	2.4	2.4	2.0	1.6	1.6	2.0	2.0	2.0
145°	3.6	3.6	3.2	2.8	2.4	1.6	1.6	2.0	2.0	2.0	2.4
147.5°	3.6	3.6	3.2	2.4	2.0	1.6	1.6	2.0	2.0	2.4	2.4
150°	3.2	3.2	2.8	2.0	1.6	1.2	1.6	1.6	2.0	2.4	2.4
152.5°	2.4	2.4	2.0	1.6	1.2	0.8	1.2	1.6	1.6	2.0	2.4
155°	1.6	1.6	1.2	0.8	0.8	0.8	1.2	1.2	1.2	1.6	2.0
157.5°	0.8	0.8	0.4	0.4	0.8	0.8	0.8	1.2	1.2	1.2	1.6
160°	0.4	0.4	0.4	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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.8	2.8	2.8	3.2	3.6
5°	2.4	2.4	2.4	2.4	2.8	3.2	3.6	4.0	4.4	4.8	4.8
7.5°	2.8	2.8	2.8	3.2	3.6	4.4	10.1	35.4	48.3	52.7	51.5
10°	5.2	5.2	4.8	4.8	5.6	47.1	60.0	65.2	68.0	71.2	71.2
12.5°	41.9	48.3	17.3	9.7	46.7	66.0	70.8	74.5	76.9	80.1	80.1
15°	101.0	102.6	105.5	95.0	91.8	74.9	78.1	105.9	139.3	148.1	148.9
17.5°	113.5	115.5	117.5	139.3	148.1	114.7	132.0	148.5	151.7	155.0	155.0
20°	216.6	219.8	178.3	159.8	156.2	194.4	149.3	153.4	159.0	187.6	190.4
22.5°	245.5	247.5	231.8	241.9	177.1	203.3	196.4	196.4	219.8	221.4	221.8
25°	275.3	286.6	256.8	248.8	252.0	205.7	231.8	209.3	212.5	214.9	215.3
27.5°	401.7	400.1	375.9	284.6	252.8	249.2	225.0	206.5	241.5	250.8	251.2
30°	427.1	423.0	401.3	333.3	262.4	246.7	212.1	238.7	232.3	233.5	233.9
32.5°	587.3	580.8	519.2	337.3	274.1	227.8	230.2	222.2	223.0	247.9	248.8
35°	627.5	618.7	532.1	390.0	261.2	231.0	212.9	223.0	227.0	225.8	225.8
37.5°	681.5	664.6	528.1	366.7	271.7	216.2	203.7	210.5	208.1	223.4	222.6
40°	740.2	716.5	530.1	340.1	246.3	202.9	195.2	201.3	199.6	195.2	192.0
42.5°	815.1	774.0	529.7	318.0	223.0	198.4	184.4	183.9	177.1	169.9	167.4
45°	891.6	834.8	531.3	292.6	205.3	194.8	178.3	168.7	162.6	155.0	153.0
47.5°	975.3	899.6	536.2	272.5	191.6	183.9	170.7	159.0	154.6	144.9	144.1
50°	1074.3	967.6	537.8	256.4	175.5	174.3	165.0	152.2	145.3	135.6	134.8
52.5°	1181.0	1039.7	540.6	232.7	163.0	170.7	168.3	150.5	147.7	135.2	134.4
55°	1282.0	1108.1	539.8	204.1	157.4	167.4	168.3	161.0	156.6	136.1	134.4
57.5°	1403.6	1182.2	527.7	177.5	148.5	162.6	176.3	170.3	165.4	148.5	145.3
60°	1512.2	1258.7	491.9	157.0	140.9	157.4	183.1	177.1	163.4	152.6	149.3
62.5°	1639.4	1324.7	442.0	142.1	138.1	159.0	185.6	181.5	164.6	161.0	159.8
65°	1725.6	1349.6	366.3	130.0	137.7	159.0	184.8	185.6	173.5	177.1	176.7
67.5°	1736.0	1317.4	277.7	120.8	132.8	159.0	183.5	193.6	181.5	196.4	197.2
70°	1685.7	1236.9	202.5	111.5	127.6	157.0	183.9	198.8	187.6	210.9	209.3
72°	1569.8	1115.0	163.8	105.5	123.2	153.8	186.8	201.7	192.8	214.5	210.9
72.5°	1539.6	1077.5	156.6	104.7	122.4	153.4	187.6	202.5	193.2	218.2	213.7
75°	1288.5	858.2	134.4	98.6	123.6	151.3	191.6	202.1	195.6	220.6	221.4
77.5°	976.1	578.4	119.1	93.4	123.2	147.7	190.4	198.8	192.0	212.1	216.6
80°	604.2	336.5	105.9	93.0	122.4	146.1	185.2	190.4	181.9	198.0	199.2
82.5°	330.5	196.8	91.8	91.4	118.7	141.7	175.1	180.7	172.7	190.4	177.9
85°	169.1	133.6	68.8	74.9	103.8	133.2	163.4	163.0	155.0	161.4	152.6
87.5°	130.4	105.1	44.7	53.9	84.9	109.9	134.4	133.2	122.8	123.6	119.9
90°	119.9	93.8	29.4	38.2	70.8	78.9	93.4	89.8	82.5	84.1	82.9
92.5°	120.8	92.6	28.2	40.7	68.0	70.8	85.7	81.3	74.1	74.9	72.5
95°	117.9	89.0	28.2	35.8	56.4	50.3	61.6	60.0	53.9	51.1	49.9
97.5°	56.4	44.3	26.2	26.6	31.8	27.4	37.4	40.3	32.2	25.8	25.8
100°	9.7	14.9	22.9	27.0	22.9	17.3	23.7	27.4	18.5	8.5	9.3
102.5°	9.7	9.3	17.7	22.9	16.5	9.3	13.7	18.1	11.7	6.4	6.8
105°	10.5	9.7	8.5	15.7	9.7	4.8	5.2	9.3	6.4	6.4	6.4
107.5°	11.3	10.5	6.0	6.0	4.8	4.4	4.0	3.6	4.4	6.4	6.8



REPORT NUMBER: P414951

CATALOG NUMBER: LXF.LXT-PA1-40-722-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	8.5	8.5	5.6	4.8	4.4	4.4	3.2	3.2	4.4	6.8	6.8
112.5°	6.0	6.0	4.8	4.0	3.6	4.4	3.2	3.2	4.0	6.8	7.2
115°	6.0	6.0	4.4	3.6	3.2	3.6	3.2	2.8	4.0	6.8	7.2
117.5°	6.0	6.0	4.4	3.2	2.8	2.8	2.4	2.8	4.0	6.8	7.2
120°	6.0	6.0	4.4	3.2	2.8	2.4	2.4	2.4	4.0	6.8	7.2
122.5°	5.6	5.6	4.0	2.8	2.4	2.0	2.0	2.4	3.6	6.4	6.8
125°	5.2	5.2	3.6	2.8	2.4	2.0	2.0	2.0	3.6	6.0	6.4
127.5°	4.8	4.8	3.6	2.4	2.0	2.0	2.0	2.0	3.2	5.6	6.0
130°	4.0	4.0	3.2	2.4	2.0	1.6	2.0	2.0	3.2	5.2	5.2
132.5°	3.2	3.2	2.4	2.0	2.0	1.6	1.6	2.0	2.8	4.4	4.8
135°	2.4	2.4	2.4	2.0	2.0	1.6	1.6	1.6	2.4	3.6	4.0
137.5°	2.0	2.4	2.0	2.0	2.0	1.6	1.6	1.6	2.4	3.2	3.2
140°	2.0	2.0	2.0	2.0	2.0	1.6	1.6	1.6	2.4	2.8	3.2
142.5°	2.0	2.4	2.0	2.0	2.0	1.6	1.6	2.0	2.4	3.2	3.2
145°	2.4	2.4	2.4	2.0	2.0	1.2	1.2	2.0	2.4	3.2	3.2
147.5°	2.4	2.4	2.4	2.0	1.6	1.2	1.2	1.6	2.4	3.2	3.2
150°	2.4	2.4	2.4	2.0	1.6	0.8	0.8	1.6	2.0	2.8	3.2
152.5°	2.4	2.4	2.0	2.0	1.2	0.8	0.4	1.2	1.6	2.4	2.4
155°	2.0	2.0	2.0	1.6	1.2	0.4	0.0	0.4	1.2	2.0	2.0
157.5°	1.6	1.6	1.6	1.2	0.8	0.4	0.0	0.4	0.4	1.2	1.2
160°	1.2	1.2	1.2	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)