

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: P415027

Luminaire Tested: **LXF.LXT-PA1-40-730-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-730-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4253.1 lumens
Efficiency: N/A
Efficacy: 106.3 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

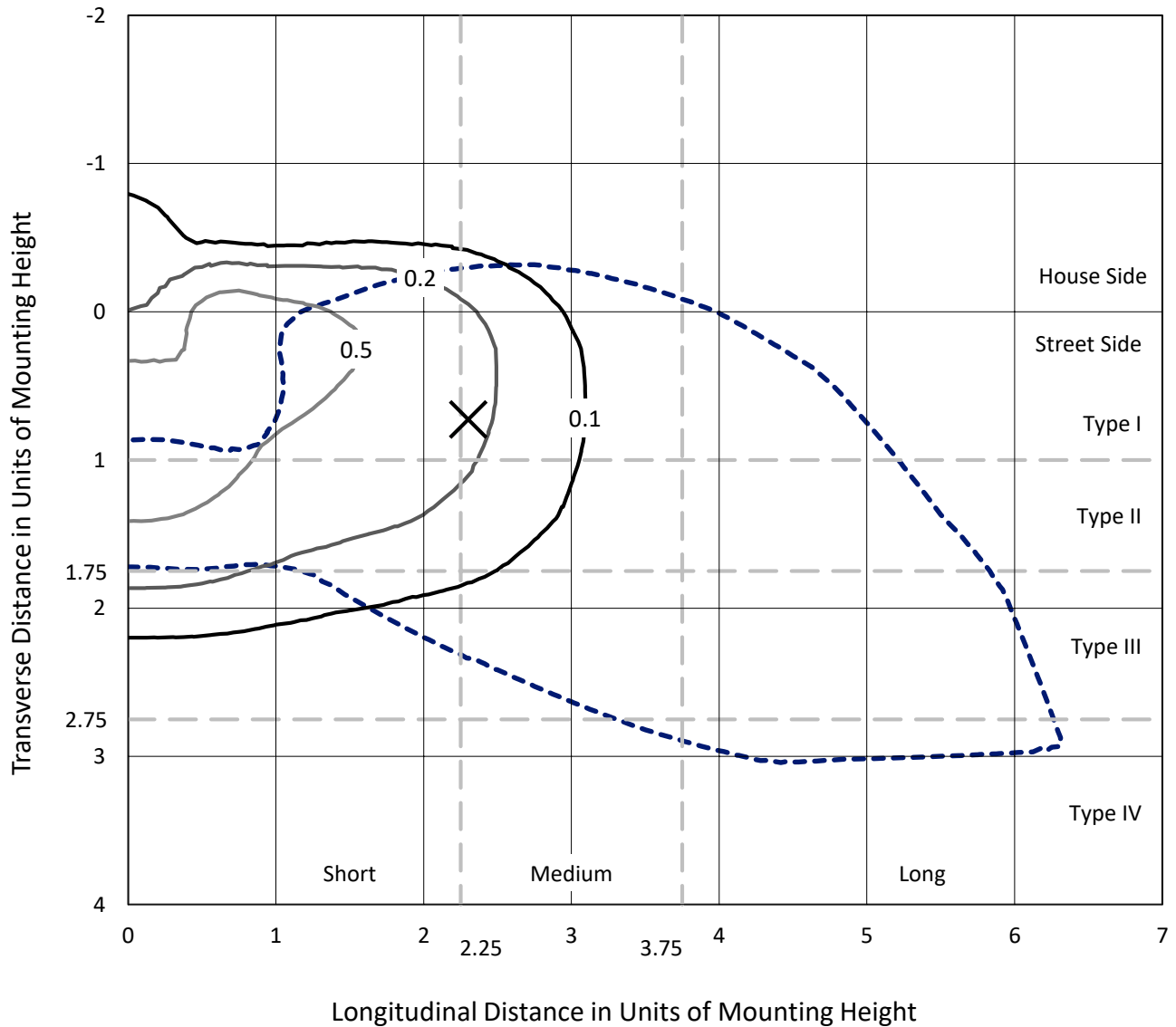
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

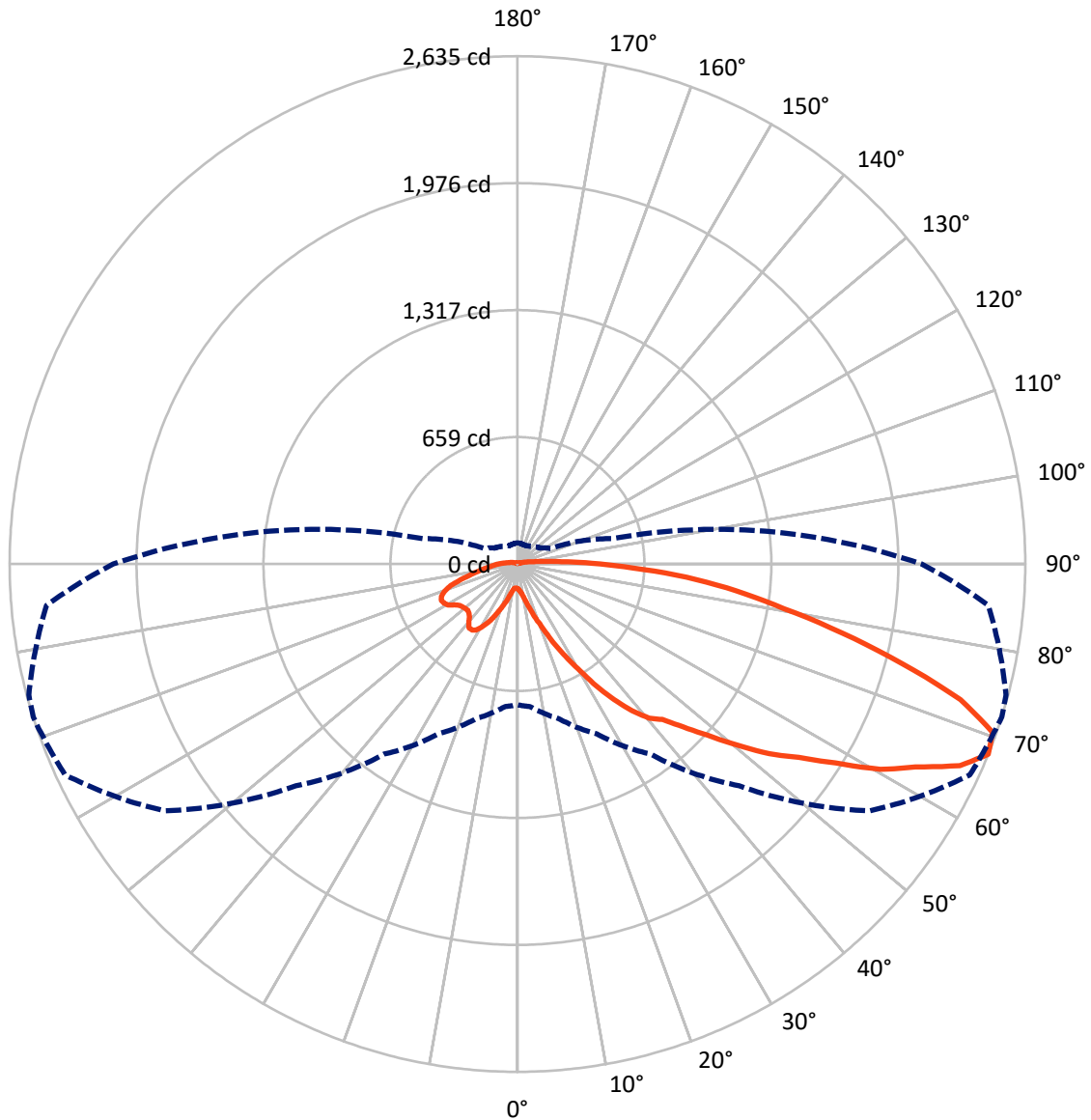
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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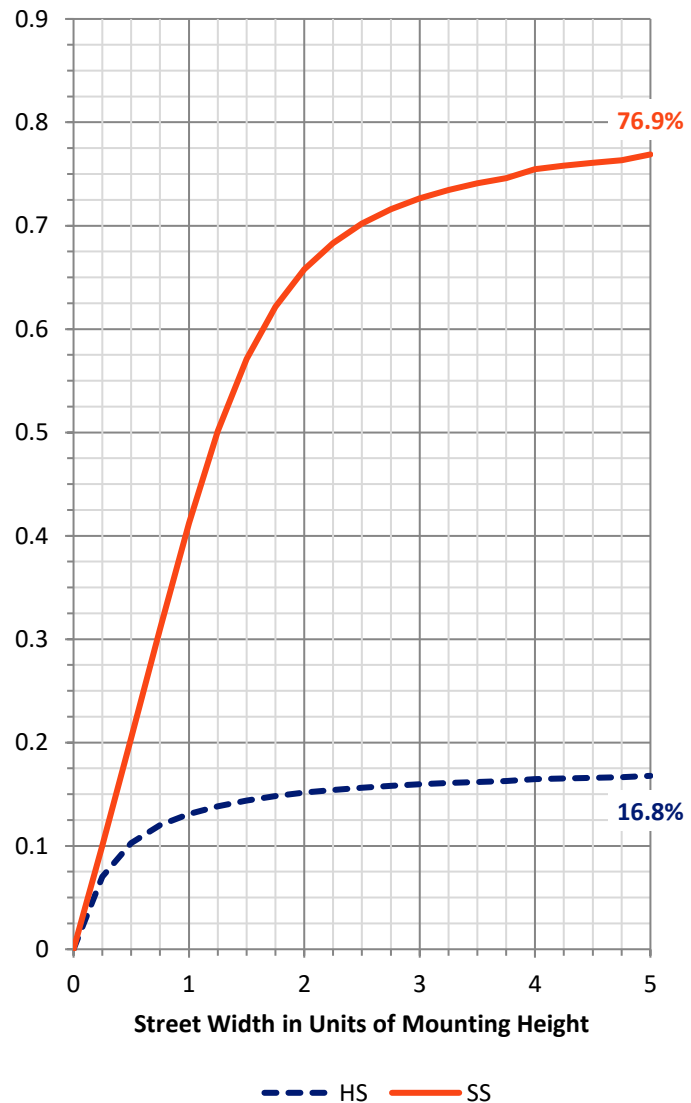
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	744.2	65.4	809.6
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	3350.9	92.5	3443.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	4095.1	158.0	4253.1
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.3	0.3
10°-20°	57.4	1.3
20°-30°	159.1	3.7
30°-40°	342.0	8.0
40°-50°	578.9	13.6
50°-60°	849.3	20.0
60°-70°	1012.9	23.8
70°-80°	756.4	17.8
80°-90°	325.8	7.7
90°-100°	94.5	2.2
100°-110°	30.7	0.7
110°-120°	14.4	0.3
120°-130°	8.8	0.2
130°-140°	5.7	0.1
140°-150°	2.5	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4095.1	96.3
0°-180°	4253.1	100.0

Coefficient of Utilization



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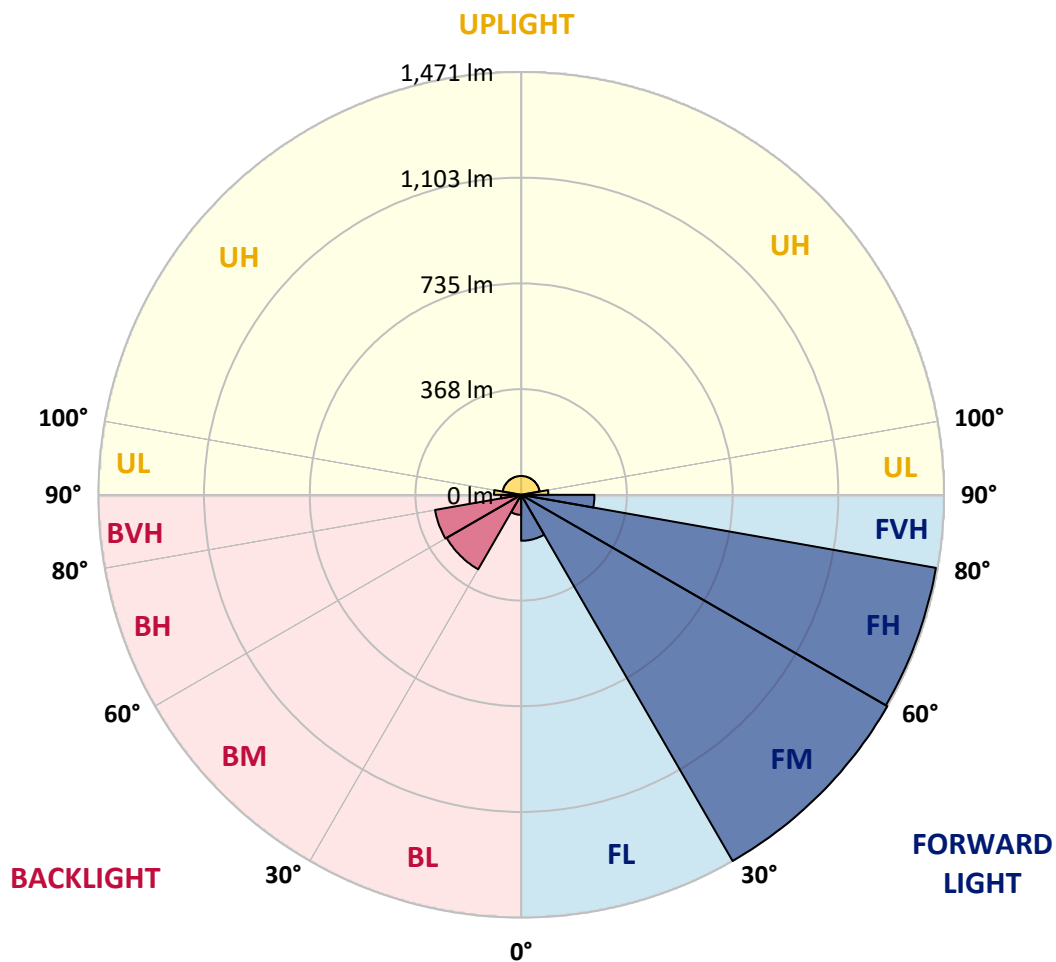
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.0	3.8			
FM	(30°-60°)	1471.0	34.6			
FH	(60°-80°)	1465.1	34.4			G1/1800
FVH	(80°-90°)	254.8	6.0			G3/500
BL	(0°-30°)	69.7	1.6	B0/110		
BM	(30°-60°)	299.2	7.0	B1/1000		
BH	(60°-80°)	304.2	7.2	B1/500		G1/500
BVH	(80°-90°)	70.9	1.7			G1/100
UL	(90°-100°)	94.5	2.2		U3/500	
UH	(100°-180°)	65.4	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°	72.5°	75°	85°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	139.6	140.6	141.6	141.1	140.6	139.1	136.6	134.1	131.6	131.6	129.6
5°	159.6	159.1	158.6	159.1	156.6	153.1	149.1	144.6	141.1	140.1	135.1
7.5°	182.5	181.5	182.5	179.5	176.0	171.5	165.5	159.6	153.6	152.6	144.6
10°	209.9	208.9	208.4	205.9	199.5	193.0	187.0	177.5	173.0	171.5	161.1
12.5°	244.3	243.8	240.8	235.9	227.4	220.9	212.4	207.4	202.9	199.5	189.0
15°	283.7	284.7	281.2	270.8	260.3	250.3	246.3	242.3	238.8	237.4	228.4
17.5°	339.1	337.1	329.1	313.1	296.2	288.2	284.7	282.2	285.7	284.7	270.8
20°	407.4	402.4	389.9	362.5	341.6	328.6	325.6	330.1	332.1	337.1	327.6
22.5°	487.7	481.2	460.2	429.3	398.9	374.5	371.5	384.9	397.4	398.9	394.9
25°	566.0	560.0	541.5	501.1	460.2	427.8	420.9	450.8	475.7	480.2	485.7
27.5°	646.2	643.2	616.3	572.4	527.6	486.7	485.7	518.1	557.0	567.5	576.9
30°	737.5	744.5	710.6	655.2	598.9	551.5	549.0	596.9	644.7	667.2	683.1
32.5°	866.1	860.2	817.8	755.9	672.2	616.8	620.3	676.2	756.9	775.9	796.8
35°	1013.7	1015.7	957.9	861.6	762.9	694.6	692.1	769.9	863.6	879.6	914.5
37.5°	1134.9	1144.9	1102.0	991.3	864.6	776.4	779.9	867.1	965.9	997.8	1028.2
40°	1265.0	1274.0	1224.2	1116.5	975.3	866.6	871.6	956.4	1050.6	1076.6	1084.0
42.5°	1407.2	1416.1	1355.8	1228.1	1068.6	975.3	955.9	1020.7	1103.0	1135.4	1141.9
45°	1540.3	1555.8	1494.9	1344.8	1172.8	1073.1	1043.7	1096.0	1203.7	1233.6	1240.6
47.5°	1581.2	1599.6	1573.2	1450.5	1272.5	1157.3	1137.9	1210.7	1326.9	1371.3	1362.3
50°	1620.6	1637.5	1621.6	1512.9	1355.3	1255.1	1259.6	1344.3	1476.0	1532.8	1525.8
52.5°	1626.6	1644.0	1627.6	1551.3	1426.1	1353.8	1403.7	1503.9	1634.5	1675.9	1666.0
55°	1636.5	1648.0	1633.0	1546.8	1477.5	1459.0	1553.3	1667.5	1771.2	1820.5	1804.1
57.5°	1497.9	1502.4	1556.8	1533.8	1488.4	1575.7	1721.8	1825.0	1947.2	2021.0	2012.5
60°	1298.5	1307.9	1375.2	1428.1	1481.0	1659.0	1887.4	2043.4	2163.1	2211.5	2165.6
62.5°	1134.4	1144.9	1215.7	1283.5	1417.6	1695.9	2060.4	2238.9	2317.7	2361.6	2307.2
65°	914.0	922.0	1008.2	1141.4	1314.4	1681.4	2190.0	2442.3	2521.6	2539.1	2433.9
67.5°	730.5	742.5	830.2	972.3	1203.7	1626.6	2232.4	2588.9	2634.8	2624.3	2452.3
70°	543.5	549.5	656.7	837.2	1072.6	1506.9	2192.0	2621.8	2614.9	2601.4	2365.5
72.5°	374.5	373.5	474.2	650.2	935.9	1370.3	2004.0	2435.9	2402.9	2368.0	2069.4
75°	241.8	255.3	318.1	472.7	756.9	1172.8	1760.7	2115.2	2059.4	2004.0	1704.8
77.5°	163.1	172.5	223.4	338.6	578.4	986.3	1515.4	1816.5	1723.3	1672.9	1376.2
80°	112.2	116.2	155.1	248.8	430.3	782.4	1241.1	1503.4	1401.7	1341.8	1068.1
82.5°	78.8	81.8	108.2	183.5	324.1	584.4	990.8	1250.6	1143.9	1100.5	829.7
85°	56.8	58.8	77.8	136.6	246.3	438.8	753.9	972.8	880.1	846.7	592.9
87.5°	42.4	44.4	58.8	101.2	189.5	333.6	562.5	696.6	596.9	553.5	374.5
90°	31.4	33.4	45.4	75.8	148.1	251.3	407.4	476.2	387.4	351.0	238.8
92.5°	23.4	24.9	33.9	55.3	113.2	192.5	287.2	301.2	229.4	208.9	150.6
95°	17.5	18.4	25.4	40.4	80.8	140.1	188.0	176.0	135.1	122.7	95.2
97.5°	14.5	15.0	19.9	30.9	56.8	98.2	120.7	108.2	87.3	81.3	65.8
100°	12.0	12.5	16.0	23.4	41.4	67.3	79.8	70.3	60.8	58.3	51.4
102.5°	10.5	11.0	13.5	19.4	30.9	48.4	55.3	50.4	44.9	42.9	39.9
105°	9.5	9.5	12.0	16.5	25.4	36.4	40.4	36.9	33.4	32.4	31.9
107.5°	8.5	8.5	10.5	14.5	20.9	28.4	30.4	27.4	24.4	23.9	25.4
110°	8.0	8.0	9.5	13.0	18.0	23.4	23.9	20.4	18.4	18.4	20.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	7.5	7.5	9.0	11.5	16.0	19.4	18.9	16.0	14.5	14.5	17.0
115°	7.5	7.5	8.5	11.0	14.0	16.5	15.5	13.0	12.0	12.0	14.5
117.5°	7.5	8.0	8.5	10.5	13.0	14.5	13.5	11.0	10.5	10.5	13.0
120°	8.0	8.0	8.5	10.5	12.0	12.5	11.5	9.5	9.0	9.5	12.0
122.5°	8.0	8.0	9.0	10.5	11.5	11.5	10.0	8.5	8.5	8.5	11.0
125°	8.5	8.5	9.0	10.5	11.0	10.5	9.0	8.0	8.0	8.5	10.0
127.5°	9.0	9.0	9.5	10.5	10.5	9.5	8.5	7.5	7.5	8.0	10.0
130°	10.0	10.0	10.0	10.5	9.5	8.5	7.5	7.0	7.5	8.0	10.0
132.5°	10.0	10.0	10.0	10.0	9.0	7.5	7.0	6.5	7.5	8.0	9.5
135°	9.0	9.0	9.0	9.0	8.0	6.5	6.0	6.0	7.0	7.5	9.0
137.5°	8.0	8.0	8.0	7.5	7.0	6.0	5.0	5.0	6.0	6.5	8.0
140°	7.0	7.0	6.5	6.5	6.0	5.0	4.5	4.5	5.0	5.5	6.5
142.5°	5.5	5.5	5.5	5.5	5.0	4.0	3.5	3.5	4.5	5.0	5.5
145°	4.5	4.5	4.5	4.5	4.0	3.5	3.0	3.0	3.5	4.0	4.5
147.5°	3.5	3.5	4.0	4.0	3.5	3.0	2.0	2.5	3.0	3.0	3.5
150°	3.0	3.0	3.0	3.5	2.5	2.0	1.5	2.0	2.5	2.5	3.0
152.5°	2.5	2.5	2.5	2.5	2.0	1.0	1.5	2.0	2.0	2.5	2.5
155°	1.5	1.5	2.0	2.0	1.5	1.0	1.5	1.5	2.0	2.0	2.5
157.5°	1.0	1.0	1.5	1.5	1.5	1.0	1.0	1.5	1.5	1.5	2.0
160°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
162.5°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
165°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
167.5°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
170°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
172.5°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
175°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
177.5°	0.0	0.5	1.0	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7	127.7
2.5°	128.2	127.2	125.2	123.2	121.2	119.2	118.7	117.7	117.2	116.7	117.2
5°	133.1	130.1	125.7	121.2	117.2	113.7	111.2	108.7	106.7	105.7	105.7
7.5°	142.1	137.1	129.6	122.2	115.2	109.2	105.2	101.7	99.2	98.2	97.7
10°	156.1	150.1	139.1	127.2	116.7	107.7	101.7	97.7	95.2	93.7	93.7
12.5°	180.5	173.5	156.1	137.6	120.7	108.2	100.2	96.2	93.7	93.2	93.7
15°	218.9	207.9	182.5	156.1	130.1	109.2	99.2	97.7	98.7	99.2	99.2
17.5°	263.8	248.8	216.4	176.5	140.6	113.7	103.2	102.2	103.7	105.2	106.2
20°	314.1	294.7	247.8	196.0	147.6	120.2	107.2	105.2	108.7	111.7	111.2
22.5°	378.0	354.5	287.7	210.9	152.6	121.7	108.7	106.7	112.7	116.2	117.2
25°	461.7	428.3	334.6	226.9	155.6	119.7	107.7	108.2	117.2	124.2	125.7
27.5°	553.0	504.6	378.0	239.8	155.6	114.7	106.2	112.2	124.7	133.6	134.6
30°	652.7	585.4	415.9	249.8	151.1	109.7	104.7	114.2	126.7	136.1	137.1
32.5°	758.9	669.2	455.3	253.3	144.6	105.7	103.2	112.7	123.2	131.6	133.6
35°	853.2	744.0	470.7	248.3	135.6	102.7	99.7	107.7	118.2	128.6	129.1
37.5°	951.4	815.3	477.7	234.4	126.7	99.7	96.7	104.2	116.7	129.1	130.6
40°	993.3	833.7	457.8	214.9	118.2	97.7	95.2	103.7	117.2	129.6	131.6
42.5°	1036.2	851.7	433.3	187.0	112.7	97.2	96.7	103.7	114.7	124.7	126.2
45°	1109.5	891.6	422.3	168.0	109.7	98.7	98.2	102.2	110.2	119.2	122.2
47.5°	1214.2	951.9	416.9	156.1	109.7	101.2	99.7	100.7	105.7	113.7	116.2
50°	1348.3	1035.7	423.8	149.6	112.2	104.7	101.7	100.2	102.2	110.7	113.7
52.5°	1461.0	1116.0	432.3	148.6	116.2	109.2	104.7	100.2	101.7	111.7	115.2
55°	1579.2	1192.2	441.8	151.1	121.2	112.7	106.7	101.2	102.2	111.7	115.7
57.5°	1750.7	1321.9	466.2	156.6	126.2	116.7	109.2	102.7	101.7	109.2	112.2
60°	1907.3	1445.6	502.6	167.0	132.1	120.7	111.7	103.7	101.2	106.2	108.2
62.5°	2002.0	1512.4	516.6	177.0	138.1	124.2	112.7	103.7	102.7	107.2	108.7
65°	2099.8	1576.2	522.1	185.0	141.6	126.2	112.7	104.7	104.7	107.7	108.2
67.5°	2096.3	1562.2	509.1	189.0	144.6	127.2	112.7	104.7	105.7	108.7	109.2
70°	2004.5	1482.0	476.7	188.5	144.1	125.7	110.7	104.2	108.2	111.7	112.2
72.5°	1735.3	1274.0	424.3	182.5	139.6	121.7	107.7	103.2	109.2	114.2	114.2
75°	1423.6	1037.7	350.5	171.0	134.1	116.7	103.2	99.7	107.2	114.2	114.2
77.5°	1121.4	812.3	284.2	156.1	126.2	110.7	97.7	93.7	102.2	108.7	108.2
80°	871.1	615.8	228.4	141.1	117.2	104.2	91.3	86.8	94.2	98.7	97.7
82.5°	668.2	474.2	188.5	127.2	108.2	96.7	84.8	80.8	87.8	90.8	89.8
85°	456.3	339.6	154.6	111.7	96.7	87.8	78.3	75.3	83.3	86.8	85.8
87.5°	301.2	233.4	129.1	98.2	85.3	78.8	70.8	69.8	78.8	82.3	81.8
90°	199.0	163.1	109.7	85.3	74.3	68.8	63.8	63.8	71.8	74.8	72.8
92.5°	131.1	115.7	86.8	72.3	63.3	59.8	56.8	56.3	63.3	64.3	62.8
95°	89.3	81.3	67.8	59.8	53.4	51.4	48.9	49.9	54.4	53.4	51.9
97.5°	63.8	61.8	54.9	48.9	44.4	43.9	42.9	43.4	45.9	43.9	42.9
100°	50.9	49.4	45.4	40.9	37.9	37.4	36.9	37.4	38.9	36.9	35.9
102.5°	40.9	40.9	37.9	34.4	31.9	32.4	32.4	32.4	32.9	29.9	29.9
105°	32.9	32.9	31.9	28.9	27.4	27.4	27.9	27.9	27.9	25.9	25.9
107.5°	26.4	27.4	26.9	24.4	23.4	23.9	23.9	23.4	23.4	22.4	22.4
110°	21.4	22.4	22.4	20.9	20.4	20.9	20.4	19.9	19.4	19.4	19.4



REPORT NUMBER: P415027

CATALOG NUMBER: LXF.LXT-PA1-40-730-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	18.9	19.4	18.4	18.0	18.0	17.5	17.0	17.0	17.5	17.5
115°	15.5	16.5	17.0	16.0	16.0	16.0	15.0	14.5	14.5	15.5	15.5
117.5°	14.0	14.5	15.0	14.5	14.0	14.0	13.5	12.5	12.5	13.5	14.0
120°	12.5	13.0	13.5	13.0	12.5	12.0	11.5	11.0	11.0	12.5	12.5
122.5°	11.5	12.0	12.0	11.5	11.0	11.0	10.5	10.0	10.0	11.0	11.5
125°	11.0	11.0	11.0	10.5	10.0	9.5	9.0	9.0	9.0	10.0	10.0
127.5°	10.5	10.5	10.0	9.5	9.0	8.5	8.5	8.0	8.0	9.0	9.5
130°	10.5	10.5	9.5	9.0	8.5	7.5	7.5	7.0	7.5	8.5	8.5
132.5°	10.0	10.0	9.0	8.5	7.5	7.0	6.5	6.5	6.5	7.5	8.0
135°	9.5	9.0	8.0	7.5	6.5	6.0	6.0	6.0	6.0	7.0	7.0
137.5°	8.5	8.0	7.0	6.5	6.0	5.5	5.0	5.0	5.5	6.0	6.5
140°	7.0	7.0	6.0	5.5	5.0	4.5	4.5	4.5	5.0	5.5	5.5
142.5°	6.0	6.0	5.0	4.5	4.0	3.5	4.0	4.0	4.5	5.0	5.0
145°	5.0	4.5	4.5	3.5	3.5	3.0	3.0	3.5	4.0	4.5	4.5
147.5°	4.0	4.0	3.5	3.0	2.5	2.5	2.5	3.0	3.5	3.5	4.0
150°	3.5	3.5	3.0	3.0	2.0	1.5	2.0	3.0	3.0	3.0	3.0
152.5°	3.0	3.0	3.0	2.5	2.0	1.0	1.5	2.5	2.5	2.5	2.5
155°	2.5	2.5	2.5	2.0	1.5	0.5	1.5	2.0	2.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	1.0	0.5	1.0	1.5	1.5	1.5	2.0
160°	1.5	1.5	1.5	1.5	1.0	0.5	1.0	1.5	1.5	1.5	1.5
162.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.5	1.0	1.0	1.0
165°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	1.0	1.0
167.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5
170°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5
172.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5
175°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5
177.5°	1.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)