

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: P415391

Luminaire Tested: **LXF.LXT-PA1-50-727-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415391
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-PA1-50-727-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA 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: 5036 lumens
Efficiency: N/A
Efficacy: 93.3 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

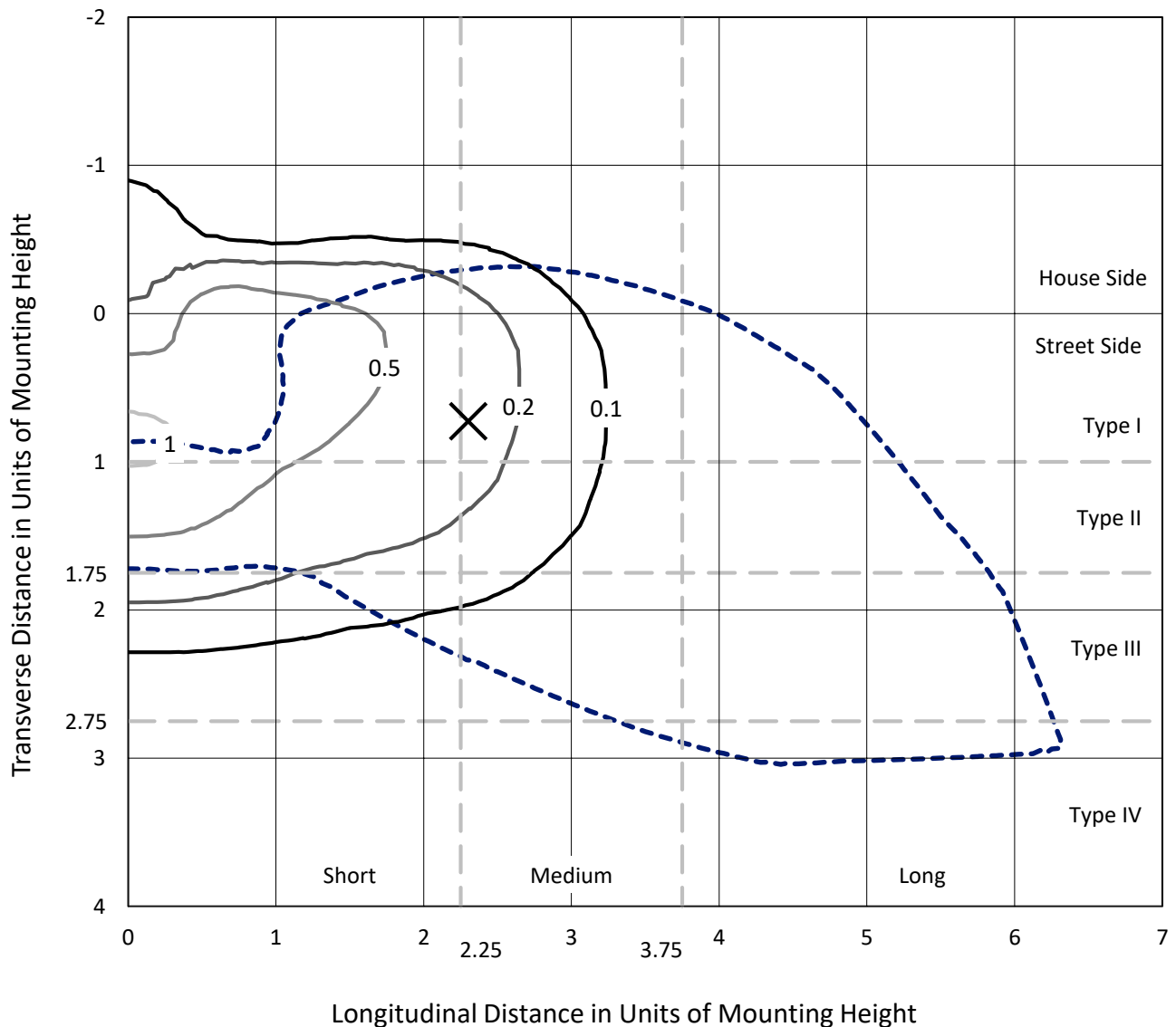
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

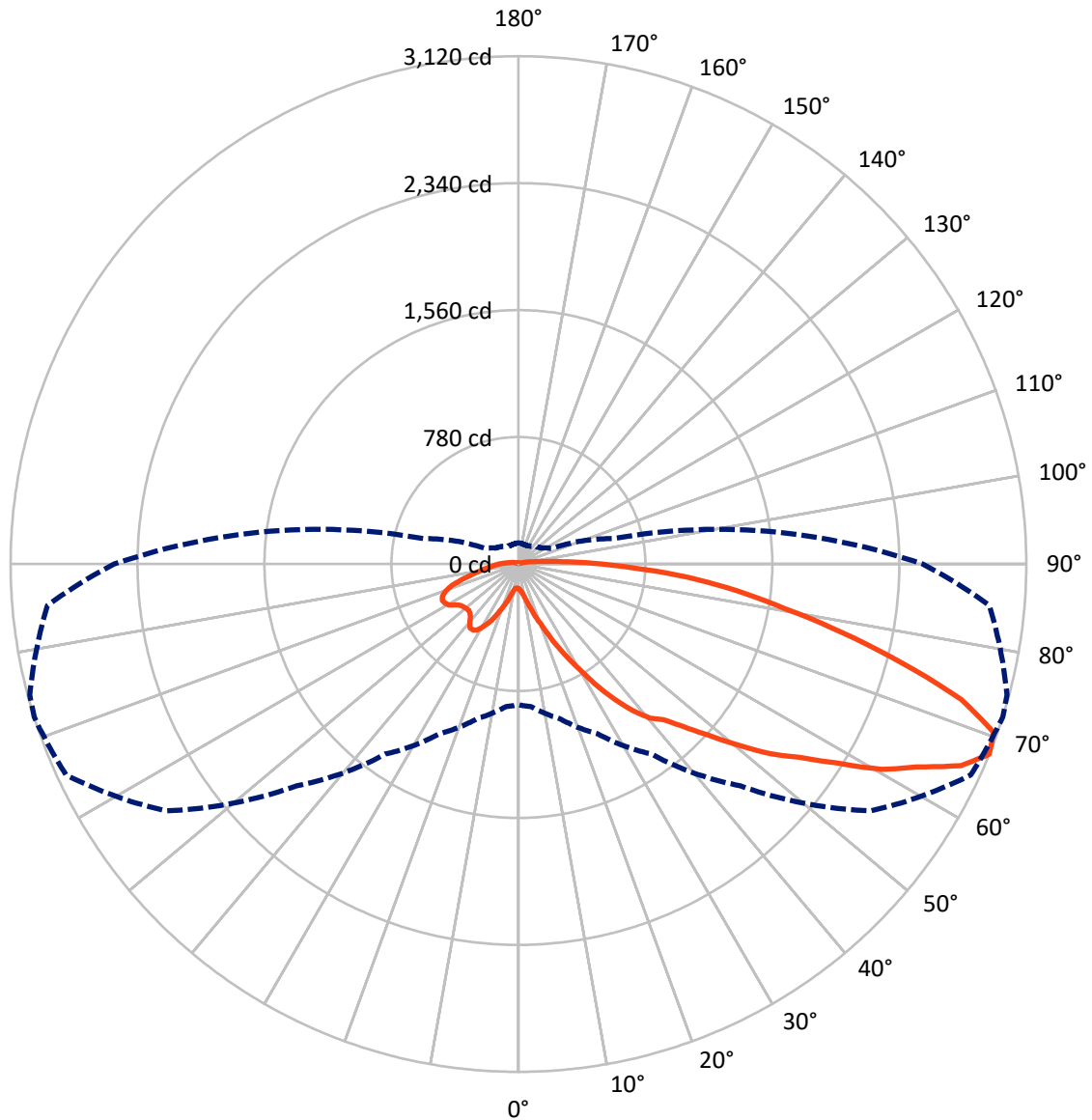
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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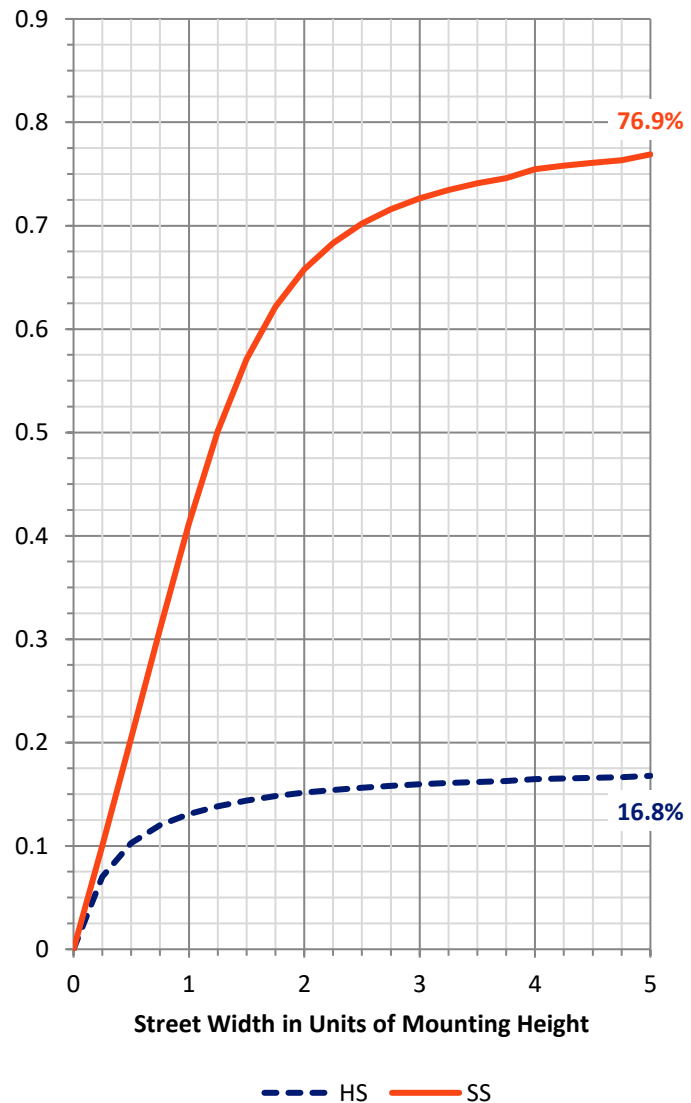
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.2	77.5	958.6
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	3967.9	109.5	4077.4
	% Fixture	78.8	2.2	81.0
Total	Lumens	4849.0	187.0	5036.0
	% Fixture	96.3	3.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.8	0.3
10°-20°	68.0	1.3
20°-30°	188.3	3.7
30°-40°	405.0	8.0
40°-50°	685.5	13.6
50°-60°	1005.7	20.0
60°-70°	1199.4	23.8
70°-80°	895.7	17.8
80°-90°	385.7	7.7
90°-100°	111.9	2.2
100°-110°	36.4	0.7
110°-120°	17.1	0.3
120°-130°	10.4	0.2
130°-140°	6.7	0.1
140°-150°	3.0	0.1
150°-160°	1.0	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	4849.0	96.3
0°-180°	5036.0	100.0



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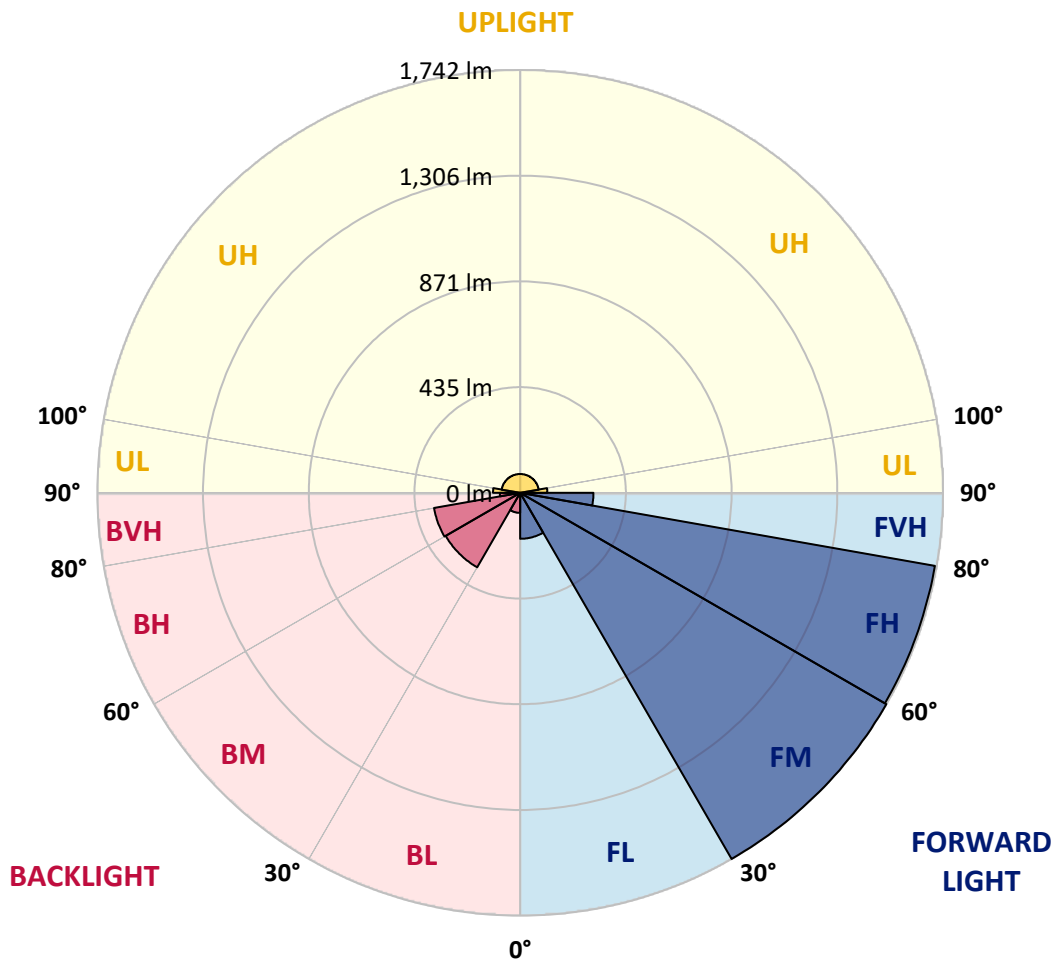
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.5	3.8			
FM	(30°-60°)	1741.8	34.6			
FH	(60°-80°)	1734.8	34.4			G1/1800
FVH	(80°-90°)	301.7	6.0			G3/500
BL	(0°-30°)	82.6	1.6	B0/110		
BM	(30°-60°)	354.3	7.0	B1/1000		
BH	(60°-80°)	360.3	7.2	B1/500		G1/500
BVH	(80°-90°)	84.0	1.7			G1/100
UL	(90°-100°)	111.9	2.2		U3/500	
UH	(100°-180°)	77.5	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°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2
2.5°	165.3	166.5	167.7	167.1	166.5	164.7	161.8	158.8	155.9	155.9	153.5
5°	188.9	188.4	187.8	188.4	185.4	181.3	176.5	171.2	167.1	165.9	160.0
7.5°	216.1	214.9	216.1	212.6	208.4	203.1	196.0	188.9	181.9	180.7	171.2
10°	248.6	247.4	246.8	243.9	236.2	228.5	221.4	210.2	204.9	203.1	190.7
12.5°	289.3	288.7	285.2	279.3	269.2	261.6	251.5	245.6	240.3	236.2	223.8
15°	336.0	337.1	333.0	320.6	308.2	296.4	291.7	287.0	282.8	281.1	270.4
17.5°	401.5	399.1	389.7	370.8	350.7	341.3	337.1	334.2	338.3	337.1	320.6
20°	482.4	476.5	461.7	429.3	404.5	389.1	385.6	390.9	393.2	399.1	387.9
22.5°	577.5	569.8	545.0	508.4	472.4	443.4	439.9	455.8	470.6	472.4	467.6
25°	670.2	663.1	641.2	593.4	545.0	506.6	498.3	533.8	563.3	568.6	575.1
27.5°	765.2	761.7	729.8	677.8	624.7	576.3	575.1	613.5	659.5	671.9	683.1
30°	873.3	881.5	841.4	775.8	709.1	653.0	650.1	706.8	763.4	790.0	808.9
32.5°	1025.6	1018.5	968.3	895.1	795.9	730.4	734.5	800.6	896.3	918.7	943.5
35°	1200.4	1202.7	1134.2	1020.3	903.4	822.5	819.5	911.6	1022.6	1041.5	1082.9
37.5°	1343.8	1355.7	1304.9	1173.8	1023.8	919.3	923.5	1026.8	1143.7	1181.5	1217.5
40°	1498.0	1508.6	1449.5	1322.0	1154.9	1026.2	1032.1	1132.5	1244.1	1274.8	1283.6
42.5°	1666.2	1676.9	1605.4	1454.3	1265.3	1154.9	1131.9	1208.6	1306.1	1344.4	1352.1
45°	1823.9	1842.2	1770.1	1592.4	1388.7	1270.6	1235.8	1297.8	1425.3	1460.8	1469.0
47.5°	1872.3	1894.1	1862.8	1717.6	1506.8	1370.4	1347.4	1433.6	1571.2	1623.7	1613.1
50°	1918.9	1939.0	1920.1	1791.4	1604.8	1486.1	1491.5	1591.8	1747.7	1815.0	1806.8
52.5°	1926.0	1946.7	1927.2	1836.9	1688.7	1603.0	1662.1	1780.8	1935.5	1984.5	1972.7
55°	1937.8	1951.4	1933.7	1831.6	1749.5	1727.6	1839.2	1974.4	2097.2	2155.7	2136.2
57.5°	1773.7	1779.0	1843.4	1816.2	1762.5	1865.8	2038.8	2161.0	2305.7	2393.1	2383.0
60°	1537.5	1548.7	1628.4	1691.0	1753.6	1964.4	2234.8	2419.6	2561.3	2618.6	2564.3
62.5°	1343.3	1355.7	1439.5	1519.8	1678.6	2008.1	2439.7	2651.1	2744.4	2796.3	2732.0
65°	1082.3	1091.7	1193.9	1351.5	1556.4	1991.0	2593.2	2892.0	2985.9	3006.5	2881.9
67.5°	865.0	879.2	983.1	1151.4	1425.3	1926.0	2643.4	3065.6	3119.9	3107.5	2903.8
70°	643.6	650.7	777.6	991.4	1270.0	1784.3	2595.6	3104.5	3096.3	3080.3	2801.1
72.5°	443.4	442.2	561.5	769.9	1108.3	1622.5	2373.0	2884.3	2845.3	2804.0	2450.3
75°	286.4	302.3	376.7	559.7	896.3	1388.7	2084.8	2504.7	2438.5	2373.0	2018.7
77.5°	193.1	204.3	264.5	400.9	684.9	1167.9	1794.4	2151.0	2040.6	1980.9	1629.6
80°	132.8	137.6	183.6	294.6	509.6	926.4	1469.6	1780.2	1659.7	1588.9	1264.7
82.5°	93.3	96.8	128.1	217.3	383.8	692.0	1173.2	1480.8	1354.5	1303.1	982.5
85°	67.3	69.7	92.1	161.8	291.7	519.6	892.7	1152.0	1042.1	1002.6	702.0
87.5°	50.2	52.5	69.7	119.9	224.4	395.0	666.0	824.8	706.8	655.4	443.4
90°	37.2	39.6	53.7	89.7	175.4	297.6	482.4	563.9	458.8	415.7	282.8
92.5°	27.8	29.5	40.2	65.5	134.0	227.9	340.1	356.6	271.6	247.4	178.3
95°	20.7	21.8	30.1	47.8	95.7	165.9	222.6	208.4	160.0	145.2	112.8
97.5°	17.1	17.7	23.6	36.6	67.3	116.3	142.9	128.1	103.3	96.2	77.9
100°	14.2	14.8	18.9	27.8	49.0	79.7	94.5	83.3	72.0	69.1	60.8
102.5°	12.4	13.0	15.9	23.0	36.6	57.3	65.5	59.6	53.1	50.8	47.2
105°	11.2	11.2	14.2	19.5	30.1	43.1	47.8	43.7	39.6	38.4	37.8
107.5°	10.0	10.0	12.4	17.1	24.8	33.7	36.0	32.5	28.9	28.3	30.1
110°	9.4	9.4	11.2	15.4	21.3	27.8	28.3	24.2	21.8	21.8	24.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	8.9	8.9	10.6	13.6	18.9	23.0	22.4	18.9	17.1	17.1	20.1
115°	8.9	8.9	10.0	13.0	16.5	19.5	18.3	15.4	14.2	14.2	17.1
117.5°	8.9	9.4	10.0	12.4	15.4	17.1	15.9	13.0	12.4	12.4	15.4
120°	9.4	9.4	10.0	12.4	14.2	14.8	13.6	11.2	10.6	11.2	14.2
122.5°	9.4	9.4	10.6	12.4	13.6	13.6	11.8	10.0	10.0	10.0	13.0
125°	10.0	10.0	10.6	12.4	13.0	12.4	10.6	9.4	9.4	10.0	11.8
127.5°	10.6	10.6	11.2	12.4	12.4	11.2	10.0	8.9	8.9	9.4	11.8
130°	11.8	11.8	11.8	12.4	11.2	10.0	8.9	8.3	8.9	9.4	11.8
132.5°	11.8	11.8	11.8	11.8	10.6	8.9	8.3	7.7	8.9	9.4	11.2
135°	10.6	10.6	10.6	10.6	9.4	7.7	7.1	7.1	8.3	8.9	10.6
137.5°	9.4	9.4	9.4	8.9	8.3	7.1	5.9	5.9	7.1	7.7	9.4
140°	8.3	8.3	7.7	7.7	7.1	5.9	5.3	5.3	5.9	6.5	7.7
142.5°	6.5	6.5	6.5	6.5	5.9	4.7	4.1	4.1	5.3	5.9	6.5
145°	5.3	5.3	5.3	5.3	4.7	4.1	3.5	3.5	4.1	4.7	5.3
147.5°	4.1	4.1	4.7	4.7	4.1	3.5	2.4	3.0	3.5	3.5	4.1
150°	3.5	3.5	3.5	4.1	3.0	2.4	1.8	2.4	3.0	3.0	3.5
152.5°	3.0	3.0	3.0	3.0	2.4	1.2	1.8	2.4	2.4	3.0	3.0
155°	1.8	1.8	2.4	2.4	1.8	1.2	1.8	1.8	2.4	2.4	3.0
157.5°	1.2	1.2	1.8	1.8	1.8	1.2	1.2	1.8	1.8	1.8	2.4
160°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
162.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
165°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
167.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
170°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
172.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
175°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
177.5°	0.0	0.6	1.2	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.8
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2
2.5°	151.7	150.6	148.2	145.8	143.5	141.1	140.5	139.3	138.8	138.2	138.8
5°	157.6	154.1	148.8	143.5	138.8	134.6	131.7	128.7	126.4	125.2	125.2
7.5°	168.3	162.4	153.5	144.7	136.4	129.3	124.6	120.5	117.5	116.3	115.7
10°	184.8	177.7	164.7	150.6	138.2	127.5	120.5	115.7	112.8	111.0	111.0
12.5°	213.7	205.5	184.8	163.0	142.9	128.1	118.7	114.0	111.0	110.4	111.0
15°	259.2	246.2	216.1	184.8	154.1	129.3	117.5	115.7	116.9	117.5	117.5
17.5°	312.3	294.6	256.3	209.0	166.5	134.6	122.2	121.0	122.8	124.6	125.8
20°	372.0	349.0	293.4	232.0	174.8	142.3	126.9	124.6	128.7	132.3	131.7
22.5°	447.6	419.8	340.7	249.8	180.7	144.1	128.7	126.4	133.4	137.6	138.8
25°	546.7	507.2	396.2	268.7	184.2	141.7	127.5	128.1	138.8	147.0	148.8
27.5°	654.8	597.5	447.6	284.0	184.2	135.8	125.8	132.8	147.6	158.2	159.4
30°	772.9	693.2	492.4	295.8	178.9	129.9	124.0	135.2	150.0	161.2	162.4
32.5°	898.7	792.4	539.1	299.9	171.2	125.2	122.2	133.4	145.8	155.9	158.2
35°	1010.2	880.9	557.4	294.0	160.6	121.6	118.1	127.5	139.9	152.3	152.9
37.5°	1126.6	965.4	565.6	277.5	150.0	118.1	114.5	123.4	138.2	152.9	154.7
40°	1176.2	987.2	542.0	254.5	139.9	115.7	112.8	122.8	138.8	153.5	155.9
42.5°	1226.9	1008.5	513.1	221.4	133.4	115.1	114.5	122.8	135.8	147.6	149.4
45°	1313.7	1055.7	500.1	199.0	129.9	116.9	116.3	121.0	130.5	141.1	144.7
47.5°	1437.7	1127.2	493.6	184.8	129.9	119.9	118.1	119.3	125.2	134.6	137.6
50°	1596.6	1226.3	501.9	177.1	132.8	124.0	120.5	118.7	121.0	131.1	134.6
52.5°	1730.0	1321.4	511.9	176.0	137.6	129.3	124.0	118.7	120.5	132.3	136.4
55°	1869.9	1411.7	523.1	178.9	143.5	133.4	126.4	119.9	121.0	132.3	137.0
57.5°	2073.0	1565.3	552.1	185.4	149.4	138.2	129.3	121.6	120.5	129.3	132.8
60°	2258.4	1711.7	595.2	197.8	156.5	142.9	132.3	122.8	119.9	125.8	128.1
62.5°	2370.6	1790.8	611.7	209.6	163.6	147.0	133.4	122.8	121.6	126.9	128.7
65°	2486.4	1866.4	618.2	219.1	167.7	149.4	133.4	124.0	124.0	127.5	128.1
67.5°	2482.2	1849.9	602.8	223.8	171.2	150.6	133.4	124.0	125.2	128.7	129.3
70°	2373.6	1754.8	564.5	223.2	170.6	148.8	131.1	123.4	128.1	132.3	132.8
72.5°	2054.7	1508.6	502.5	216.1	165.3	144.1	127.5	122.2	129.3	135.2	135.2
75°	1685.7	1228.7	415.1	202.5	158.8	138.2	122.2	118.1	126.9	135.2	135.2
77.5°	1327.9	961.8	336.6	184.8	149.4	131.1	115.7	111.0	121.0	128.7	128.1
80°	1031.5	729.2	270.4	167.1	138.8	123.4	108.1	102.7	111.6	116.9	115.7
82.5°	791.2	561.5	223.2	150.6	128.1	114.5	100.4	95.7	103.9	107.5	106.3
85°	540.3	402.1	183.0	132.3	114.5	103.9	92.7	89.2	98.6	102.7	101.6
87.5°	356.6	276.3	152.9	116.3	101.0	93.3	83.8	82.7	93.3	97.4	96.8
90°	235.6	193.1	129.9	101.0	88.0	81.5	75.6	75.6	85.0	88.6	86.2
92.5°	155.3	137.0	102.7	85.6	75.0	70.9	67.3	66.7	75.0	76.2	74.4
95°	105.7	96.2	80.3	70.9	63.2	60.8	57.9	59.0	64.4	63.2	61.4
97.5°	75.6	73.2	64.9	57.9	52.5	52.0	50.8	51.4	54.3	52.0	50.8
100°	60.2	58.5	53.7	48.4	44.9	44.3	43.7	44.3	46.1	43.7	42.5
102.5°	48.4	48.4	44.9	40.7	37.8	38.4	38.4	38.4	39.0	35.4	35.4
105°	39.0	39.0	37.8	34.2	32.5	32.5	33.1	33.1	33.1	30.7	30.7
107.5°	31.3	32.5	31.9	28.9	27.8	28.3	28.3	27.8	27.8	26.6	26.6
110°	25.4	26.6	26.6	24.8	24.2	24.8	24.2	23.6	23.0	23.0	23.0



REPORT NUMBER: P415391

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.3	22.4	23.0	21.8	21.3	21.3	20.7	20.1	20.1	20.7	20.7
115°	18.3	19.5	20.1	18.9	18.9	18.9	17.7	17.1	17.1	18.3	18.3
117.5°	16.5	17.1	17.7	17.1	16.5	16.5	15.9	14.8	14.8	15.9	16.5
120°	14.8	15.4	15.9	15.4	14.8	14.2	13.6	13.0	13.0	14.8	14.8
122.5°	13.6	14.2	14.2	13.6	13.0	13.0	12.4	11.8	11.8	13.0	13.6
125°	13.0	13.0	13.0	12.4	11.8	11.2	10.6	10.6	10.6	11.8	11.8
127.5°	12.4	12.4	11.8	11.2	10.6	10.0	10.0	9.4	9.4	10.6	11.2
130°	12.4	12.4	11.2	10.6	10.0	8.9	8.9	8.3	8.9	10.0	10.0
132.5°	11.8	11.8	10.6	10.0	8.9	8.3	7.7	7.7	7.7	8.9	9.4
135°	11.2	10.6	9.4	8.9	7.7	7.1	7.1	7.1	7.1	8.3	8.3
137.5°	10.0	9.4	8.3	7.7	7.1	6.5	5.9	5.9	6.5	7.1	7.7
140°	8.3	8.3	7.1	6.5	5.9	5.3	5.3	5.3	5.9	6.5	6.5
142.5°	7.1	7.1	5.9	5.3	4.7	4.1	4.7	4.7	5.3	5.9	5.9
145°	5.9	5.3	5.3	4.1	4.1	3.5	3.5	4.1	4.7	5.3	5.3
147.5°	4.7	4.7	4.1	3.5	3.0	3.0	3.0	3.5	4.1	4.1	4.7
150°	4.1	4.1	3.5	3.5	2.4	1.8	2.4	3.5	3.5	3.5	3.5
152.5°	3.5	3.5	3.5	3.0	2.4	1.2	1.8	3.0	3.0	3.0	3.0
155°	3.0	3.0	3.0	2.4	1.8	0.6	1.8	2.4	2.4	2.4	2.4
157.5°	2.4	2.4	2.4	2.4	1.2	0.6	1.2	1.8	1.8	1.8	2.4
160°	1.8	1.8	1.8	1.8	1.2	0.6	1.2	1.8	1.8	1.8	1.8
162.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.8	1.2	1.2	1.2
165°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
167.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
170°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
172.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
175°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
177.5°	1.8	1.8	1.8	1.8	1.2	0.6	0.6	1.2	1.2	0.6	0.6
180°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)