

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: P414976

Luminaire Tested: **LXF.LXT-PA1-40-727-U-SL3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414976
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-PA1-40-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 4011 lumens
Efficiency: N/A
Efficacy: 100.3 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

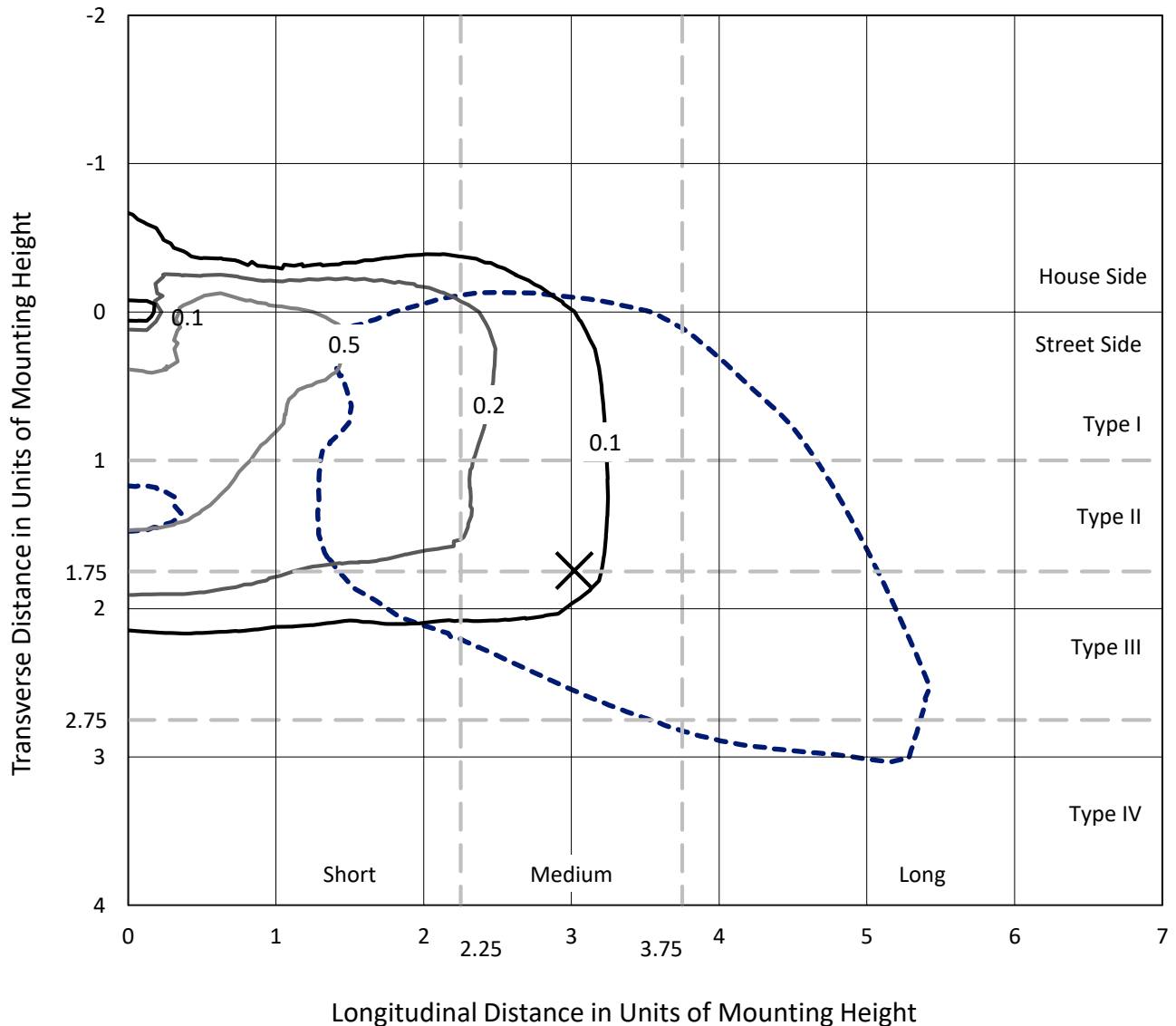
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414976
 CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

Iso-Footcandle Lines of Horizontal Illumination

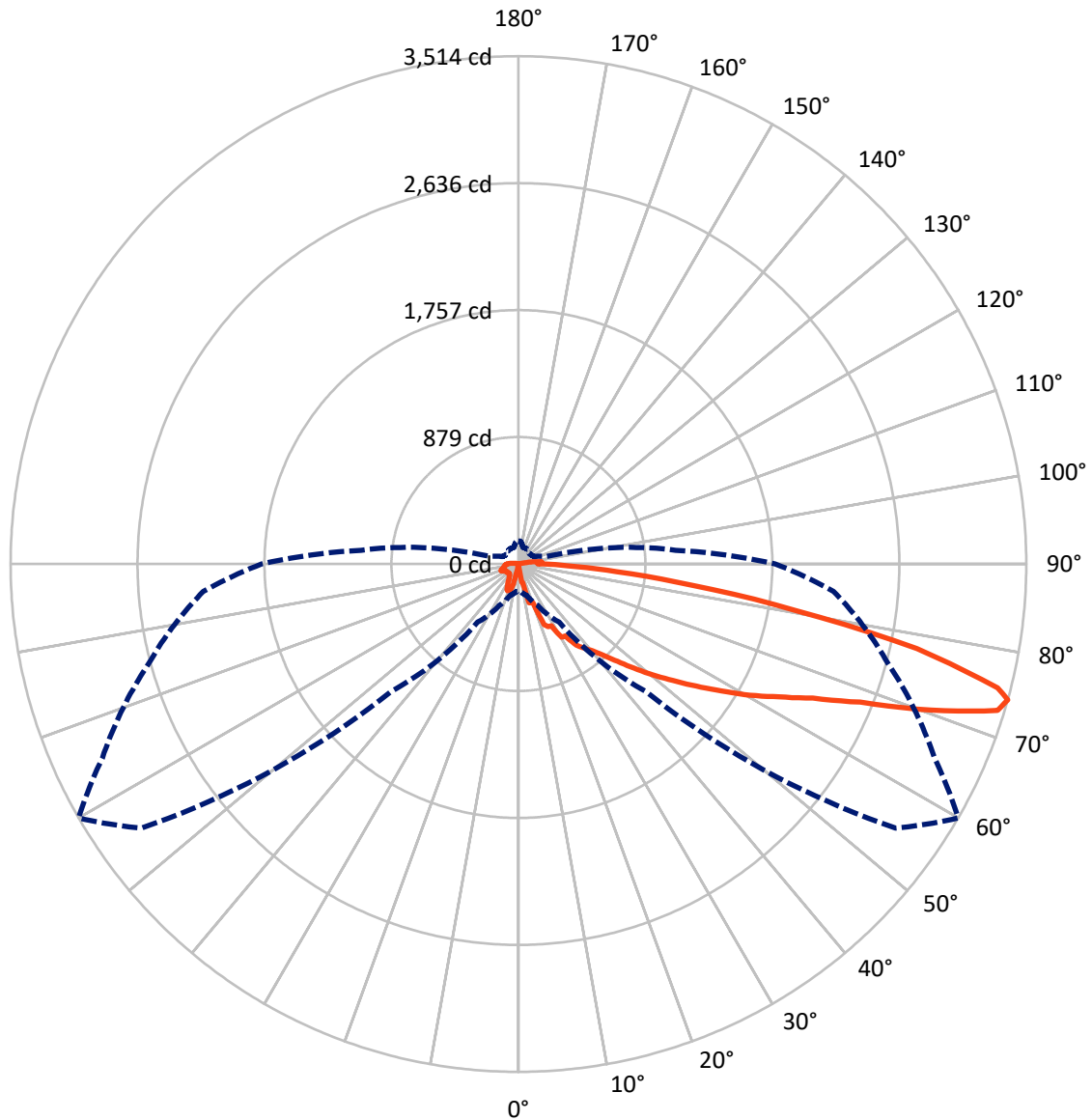
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P414976
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P414976

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	615.6	39.0	654.5
	% Fixture	15.3	1.0	16.3
Street Side	Lumens	3314.7	41.8	3356.4
	% Fixture	82.6	1.0	83.7
Total	Lumens	3930.2	80.7	4011.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	51.2	1.3
20°-30°	155.1	3.9
30°-40°	310.5	7.7
40°-50°	532.6	13.3
50°-60°	811.9	20.2
60°-70°	1000.4	24.9
70°-80°	836.3	20.9
80°-90°	227.8	5.7
90°-100°	58.8	1.5
100°-110°	10.5	0.3
110°-120°	3.9	0.1
120°-130°	3.0	0.1
130°-140°	2.1	0.1
140°-150°	1.7	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3930.2	98.0
0°-180°	4011.0	100.0



REPORT NUMBER: P414976

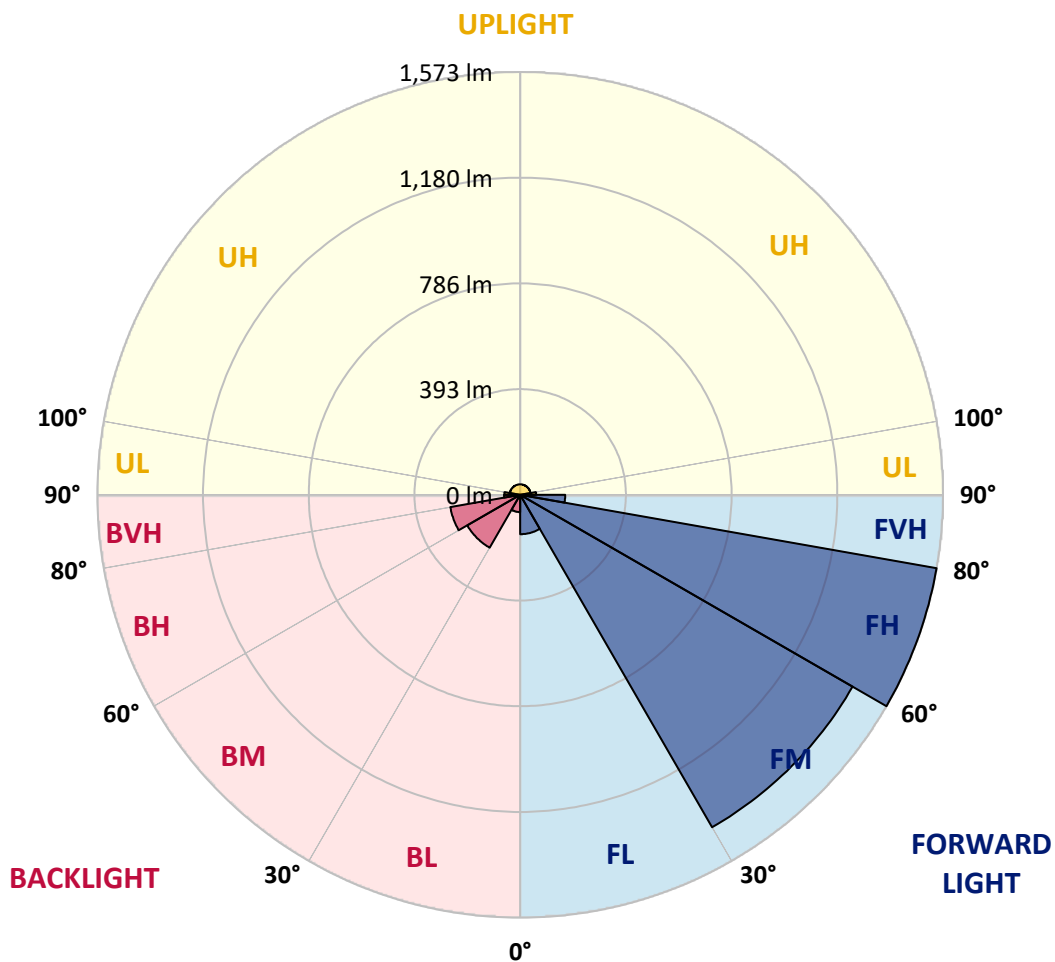
CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	3.7			
FM (30°-60°)	1427.9	35.6			
FH (60°-80°)	1572.9	39.2			G1/1800
FVH (80°-90°)	167.4	4.2			G2/225
BL (0°-30°)	64.3	1.6	B0/110		
BM (30°-60°)	227.1	5.7	B1/1000		
BH (60°-80°)	263.8	6.6	B1/500		G1/500
BVH (80°-90°)	60.3	1.5			G1/100
UL (90°-100°)	58.8	1.5		U3/500	
UH (100°-180°)	39.0	1.0		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





REPORT NUMBER: P414976

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	5.0	4.6	4.1	4.6	5.0	4.6	3.7	3.2	2.7	2.7	2.7
5°	133.7	131.9	131.0	102.1	24.3	15.1	6.0	4.1	3.7	2.7	2.7
7.5°	135.5	133.7	134.2	133.7	131.4	131.4	42.6	15.6	8.7	3.2	3.2
10°	142.9	140.1	136.4	136.0	135.1	133.7	131.4	128.7	29.3	5.0	4.6
12.5°	263.7	262.4	260.5	201.0	145.6	135.5	134.2	131.0	100.7	19.2	88.8
15°	261.9	261.4	258.2	259.6	259.2	147.4	167.1	278.8	267.9	194.1	223.9
17.5°	274.7	273.3	263.7	257.8	258.2	294.4	273.3	275.2	276.1	245.4	239.9
20°	372.7	370.4	369.5	359.0	262.4	345.7	352.6	285.7	292.6	380.9	425.8
22.5°	377.3	374.1	370.4	367.7	413.9	344.3	372.7	455.1	434.5	504.1	475.3
25°	509.6	500.9	464.7	376.4	413.5	396.5	482.1	479.8	454.2	526.1	508.2
27.5°	551.7	545.8	519.2	499.1	421.7	474.8	479.4	484.4	571.4	725.7	676.3
30°	739.0	692.8	573.3	560.9	503.2	478.9	548.1	587.4	642.9	728.9	715.2
32.5°	846.1	823.7	766.0	677.6	589.3	523.8	594.3	594.3	646.1	880.9	904.3
35°	1019.7	947.3	834.7	774.7	672.2	626.8	612.6	690.0	763.7	925.4	924.0
37.5°	1082.4	1075.5	1033.4	849.3	790.3	681.8	714.3	738.1	800.4	989.5	986.7
40°	1116.7	1131.9	1135.1	1010.5	877.7	787.5	776.1	789.4	849.3	1079.7	1044.9
42.5°	1233.0	1238.5	1255.5	1113.5	1008.7	902.9	870.9	865.4	907.0	1184.5	1121.8
45°	1420.8	1423.5	1411.2	1232.1	1115.4	1017.4	981.7	960.6	997.2	1288.4	1219.3
47.5°	1636.0	1642.4	1582.9	1366.3	1212.4	1127.7	1108.5	1076.0	1099.3	1382.3	1340.6
50°	1807.2	1805.4	1699.2	1474.8	1310.4	1240.8	1234.9	1204.7	1207.4	1496.3	1471.6
52.5°	1851.6	1848.9	1758.2	1554.9	1399.7	1358.5	1385.5	1338.8	1314.5	1614.5	1607.6
55°	1784.8	1789.8	1747.2	1588.4	1456.5	1462.0	1532.0	1491.7	1458.8	1726.2	1737.2
57.5°	1688.2	1682.2	1688.6	1601.2	1500.9	1563.2	1706.5	1656.1	1624.5	1852.5	1864.9
60°	1509.1	1500.9	1583.8	1587.4	1542.1	1677.6	1891.9	1842.9	1798.5	1985.8	1972.5
62.5°	1236.7	1226.2	1375.9	1503.2	1589.3	1811.8	2075.1	2022.0	1978.9	2127.3	2102.1
65°	823.3	873.2	1048.5	1319.1	1571.9	2005.0	2317.3	2237.6	2159.3	2272.4	2267.8
67.5°	477.6	513.3	641.9	938.2	1428.6	2170.3	2701.4	2550.3	2415.3	2436.8	2426.3
70°	296.2	307.2	363.1	541.2	1006.9	2115.8	3127.3	3029.7	2743.6	2619.9	2451.0
72.5°	229.9	237.2	269.2	353.5	612.2	1636.4	3329.6	3466.5	3075.1	2668.0	2329.2
74°	188.2	192.8	226.2	316.4	491.3	1247.7	3185.9	3514.2	3176.7	2644.7	2189.1
75°	148.8	153.4	190.9	303.6	467.0	995.4	2973.0	3425.8	3179.9	2608.5	2020.1
77.5°	91.1	94.3	103.0	209.7	424.4	568.7	2193.7	2820.0	2818.2	2166.2	1448.7
80°	72.3	73.3	76.9	110.3	345.7	515.6	1389.2	1946.4	1932.2	1300.4	742.2
82.5°	49.9	53.6	60.9	71.4	184.1	505.0	875.9	1209.2	1043.0	495.0	310.4
85°	33.4	36.2	46.2	53.1	98.4	537.5	628.7	680.4	513.3	245.0	204.7
87.5°	13.7	14.2	21.1	25.6	39.8	257.8	423.1	337.0	236.3	155.2	166.7
90°	7.3	7.3	5.5	6.0	14.7	55.4	138.3	134.2	111.3	127.7	156.6
92.5°	8.2	8.2	5.5	6.0	14.2	43.5	149.7	152.9	127.7	136.0	167.6
95°	9.2	9.2	5.5	5.5	13.7	29.8	143.8	161.6	131.4	142.9	169.0
97.5°	10.1	10.5	5.0	5.0	11.0	22.4	90.2	110.3	85.6	74.2	81.0
100°	10.5	10.5	4.6	4.6	7.3	16.0	41.7	53.1	41.2	19.2	13.3
102.5°	10.5	11.0	4.6	4.1	5.0	10.1	13.3	19.2	15.1	11.4	12.4
105°	10.1	11.0	4.6	4.1	4.1	5.5	6.9	7.8	8.2	8.2	12.8
107.5°	7.8	8.7	3.7	4.1	3.7	3.7	2.7	3.2	4.1	7.3	12.8



REPORT NUMBER: P414976

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	5.5	5.5	2.7	3.7	3.2	3.7	2.3	2.7	3.7	5.5	10.5
112.5°	2.7	2.3	1.8	2.7	2.7	3.2	2.3	2.3	3.2	4.6	7.3
115°	1.8	2.3	1.4	1.8	2.3	2.3	1.8	2.3	2.7	4.6	7.8
117.5°	1.8	1.8	1.4	1.8	2.3	1.8	1.8	2.3	2.7	4.6	7.8
120°	2.3	1.8	1.4	1.8	1.8	1.4	1.8	2.3	2.3	4.6	7.8
122.5°	2.3	2.3	1.8	1.8	1.8	1.4	1.8	1.8	2.3	4.6	7.3
125°	2.7	2.3	1.8	1.8	1.8	1.4	1.8	1.8	2.3	4.1	6.9
127.5°	2.7	2.7	1.8	1.8	2.3	1.4	1.8	1.8	2.3	3.7	6.4
130°	2.7	2.7	2.3	1.8	2.3	1.8	1.8	1.8	2.3	3.2	5.5
132.5°	2.7	2.7	2.3	2.3	2.3	1.8	1.8	1.8	1.8	2.7	4.6
135°	3.2	2.7	2.3	2.3	2.7	1.8	1.8	1.8	1.8	2.3	3.2
137.5°	3.2	3.2	2.7	2.7	3.2	2.3	1.8	2.3	2.3	2.3	2.7
140°	3.7	3.7	3.7	3.2	3.2	2.3	2.3	2.3	2.3	2.7	2.7
142.5°	4.6	4.1	4.1	3.7	3.2	2.3	2.3	2.3	2.7	2.7	2.7
145°	5.0	5.0	4.6	4.1	3.2	2.3	2.3	2.7	2.7	3.2	3.2
147.5°	5.0	5.0	4.6	3.7	2.7	1.8	2.3	2.7	2.7	3.2	3.7
150°	5.0	4.6	4.1	3.2	2.3	1.4	1.8	2.3	2.7	3.2	3.7
152.5°	3.7	3.7	3.2	2.3	1.8	0.9	1.4	1.8	2.3	2.7	3.2
155°	2.3	2.3	1.8	1.4	1.4	0.9	1.4	1.8	1.8	2.3	2.7
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.4	1.4	1.8	1.8
160°	0.5	0.5	0.9	0.5	0.9	0.9	0.9	1.4	1.4	1.4	1.4
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



REPORT NUMBER: P414976

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.3	2.3	1.4	1.8	1.8	2.3	2.7	3.2
5°	2.7	3.2	2.7	2.3	2.3	1.8	2.3	2.3	2.3	3.2	3.2
7.5°	3.2	3.2	2.7	2.7	2.3	1.8	3.2	98.9	113.6	117.2	118.1
10°	4.1	4.1	3.7	3.2	2.7	106.7	117.7	117.7	116.8	117.7	117.7
12.5°	91.1	98.0	15.6	7.8	87.9	110.8	108.1	106.2	104.4	102.6	101.6
15°	221.6	214.7	196.9	147.9	136.4	101.6	93.4	129.6	138.3	140.6	140.1
17.5°	234.0	223.0	196.0	205.6	180.4	130.0	117.2	116.3	111.3	111.3	111.7
20°	440.0	414.8	267.4	200.5	156.6	157.5	100.3	89.3	93.4	99.4	103.0
22.5°	451.9	419.0	312.7	261.0	141.0	127.3	98.0	86.5	116.8	128.7	129.6
25°	482.1	429.5	316.8	219.8	159.3	104.4	97.5	90.2	107.1	118.1	117.2
27.5°	652.9	579.2	402.5	202.4	125.9	98.4	92.0	86.5	106.7	124.5	124.1
30°	652.0	571.0	371.8	186.4	103.9	91.6	83.8	94.3	99.4	106.2	106.7
32.5°	846.6	725.7	406.6	154.8	92.0	79.2	82.9	86.1	90.2	107.6	111.3
35°	850.7	709.7	353.0	141.9	84.7	75.5	77.8	85.2	93.9	104.9	105.8
37.5°	867.2	701.5	293.0	117.2	87.0	76.5	81.0	89.3	87.0	102.1	103.9
40°	897.4	703.7	246.3	104.9	85.6	76.5	84.7	86.1	86.5	94.3	95.2
42.5°	944.1	716.1	207.0	99.4	84.2	82.9	82.0	82.4	79.2	94.8	96.6
45°	1010.5	741.8	176.7	97.5	84.2	96.6	85.6	82.4	75.5	109.0	116.8
47.5°	1108.5	792.1	158.9	98.0	84.7	92.5	84.7	80.1	78.8	127.3	132.8
50°	1219.3	849.8	147.0	99.8	84.7	91.1	83.3	82.4	87.5	129.1	130.5
52.5°	1338.4	926.7	142.9	101.6	91.1	92.5	94.8	94.3	84.2	103.5	103.5
55°	1459.2	1006.4	144.2	103.9	96.2	94.8	101.2	89.3	72.3	76.9	76.0
57.5°	1573.2	1099.3	153.8	102.6	92.9	93.9	102.1	83.8	72.3	76.9	78.8
60°	1696.9	1200.1	180.4	98.9	91.6	91.1	100.7	88.4	72.3	88.4	88.8
62.5°	1847.5	1338.8	238.1	102.6	98.9	93.9	101.2	97.5	82.9	84.7	86.5
65°	2025.6	1482.1	293.0	116.8	104.4	94.3	99.8	102.6	93.9	90.7	90.2
67.5°	2156.1	1517.4	295.3	135.5	111.7	99.4	100.7	111.7	102.6	104.4	103.5
70°	2123.1	1421.2	255.9	143.3	116.3	103.5	103.5	115.8	108.1	124.1	124.5
72.5°	1962.0	1234.0	216.1	132.8	110.3	104.9	114.9	120.0	114.9	149.3	147.4
74°	1777.0	1092.9	198.7	120.9	108.1	104.4	118.1	120.0	118.6	159.3	158.0
75°	1635.1	982.1	189.1	114.0	106.7	103.0	119.0	120.4	120.0	160.7	160.3
77.5°	1130.0	663.5	165.3	101.6	104.4	103.0	118.6	123.2	126.4	159.8	158.4
80°	579.7	363.1	137.8	96.2	103.5	105.8	117.2	119.0	124.1	151.1	149.7
82.5°	290.7	209.2	101.2	88.4	104.9	114.9	117.7	115.4	116.8	139.2	136.9
85°	187.3	144.7	67.3	74.2	106.7	124.5	117.2	107.6	109.4	121.3	120.4
87.5°	150.6	107.1	41.2	57.7	113.6	114.0	107.1	95.2	92.9	95.2	93.9
90°	139.2	99.4	34.8	54.5	109.9	95.2	87.5	77.8	69.6	70.1	67.3
92.5°	149.7	103.9	37.1	54.0	87.5	66.8	64.1	59.1	49.0	43.5	40.8
95°	147.4	99.8	37.5	45.8	64.1	38.0	45.3	41.7	30.2	22.9	21.5
97.5°	71.0	50.4	33.4	35.7	37.5	28.8	38.5	35.3	22.0	14.2	13.3
100°	13.3	18.8	29.8	33.9	29.8	22.4	30.2	27.0	11.9	7.3	6.9
102.5°	12.8	10.5	22.4	30.7	18.8	12.8	16.5	15.1	7.8	5.5	5.5
105°	13.3	10.5	10.5	21.1	11.4	6.0	5.0	7.3	5.5	5.5	6.0
107.5°	13.7	10.5	6.4	6.9	5.5	4.6	3.7	3.7	4.1	6.0	6.4



REPORT NUMBER: P414976

CATALOG NUMBER: LXF.LXT-PA1-40-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	11.0	9.2	6.0	5.5	5.0	4.6	3.7	3.2	4.1	6.4	6.9
112.5°	7.8	7.3	5.5	4.6	4.1	4.1	3.2	2.7	4.1	6.9	7.3
115°	7.8	7.3	4.6	4.1	3.2	3.7	3.2	2.7	4.1	7.8	8.2
117.5°	8.2	6.9	4.6	3.7	2.7	2.7	2.7	2.7	4.6	7.8	8.2
120°	8.2	6.9	4.6	3.2	2.7	2.3	2.7	2.7	4.6	7.8	8.7
122.5°	7.8	6.9	4.1	3.2	2.7	2.3	2.3	2.3	4.1	7.8	8.2
125°	7.3	6.4	4.1	3.2	2.7	1.8	2.3	2.3	4.1	7.3	8.2
127.5°	6.9	6.0	4.1	3.2	2.3	1.8	2.3	2.3	4.1	6.9	7.8
130°	6.0	5.5	3.7	2.7	2.3	1.8	2.3	2.3	4.1	6.4	7.3
132.5°	5.0	4.6	3.2	2.7	2.3	1.8	2.3	1.8	3.2	6.0	6.4
135°	3.7	3.7	3.2	2.3	2.3	1.4	1.8	1.8	2.7	4.6	5.0
137.5°	3.2	3.2	2.7	2.3	2.3	1.4	1.8	1.4	2.3	3.7	4.1
140°	3.2	3.2	2.7	2.3	1.8	1.4	1.4	1.4	1.8	3.2	3.2
142.5°	3.2	3.2	2.7	2.3	1.8	1.4	1.4	1.4	1.8	2.7	3.2
145°	3.2	3.2	3.2	2.7	1.8	1.4	1.4	1.4	1.8	2.7	2.7
147.5°	3.7	3.7	3.2	2.3	1.8	0.9	0.9	1.4	1.8	2.7	2.7
150°	3.7	3.7	3.2	2.3	1.8	0.9	0.5	0.9	1.4	2.3	2.7
152.5°	3.2	3.2	2.7	2.3	1.4	0.9	0.5	0.9	1.4	2.3	2.3
155°	2.7	2.7	2.3	1.8	1.4	0.5	0.0	0.5	0.9	1.8	1.8
157.5°	1.8	2.3	1.8	1.4	0.9	0.5	0.0	0.5	0.5	1.4	1.4
160°	1.8	1.8	1.8	1.4	0.9	0.5	0.0	0.0	0.5	0.9	0.9
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)