

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: P415662

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4278 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G3

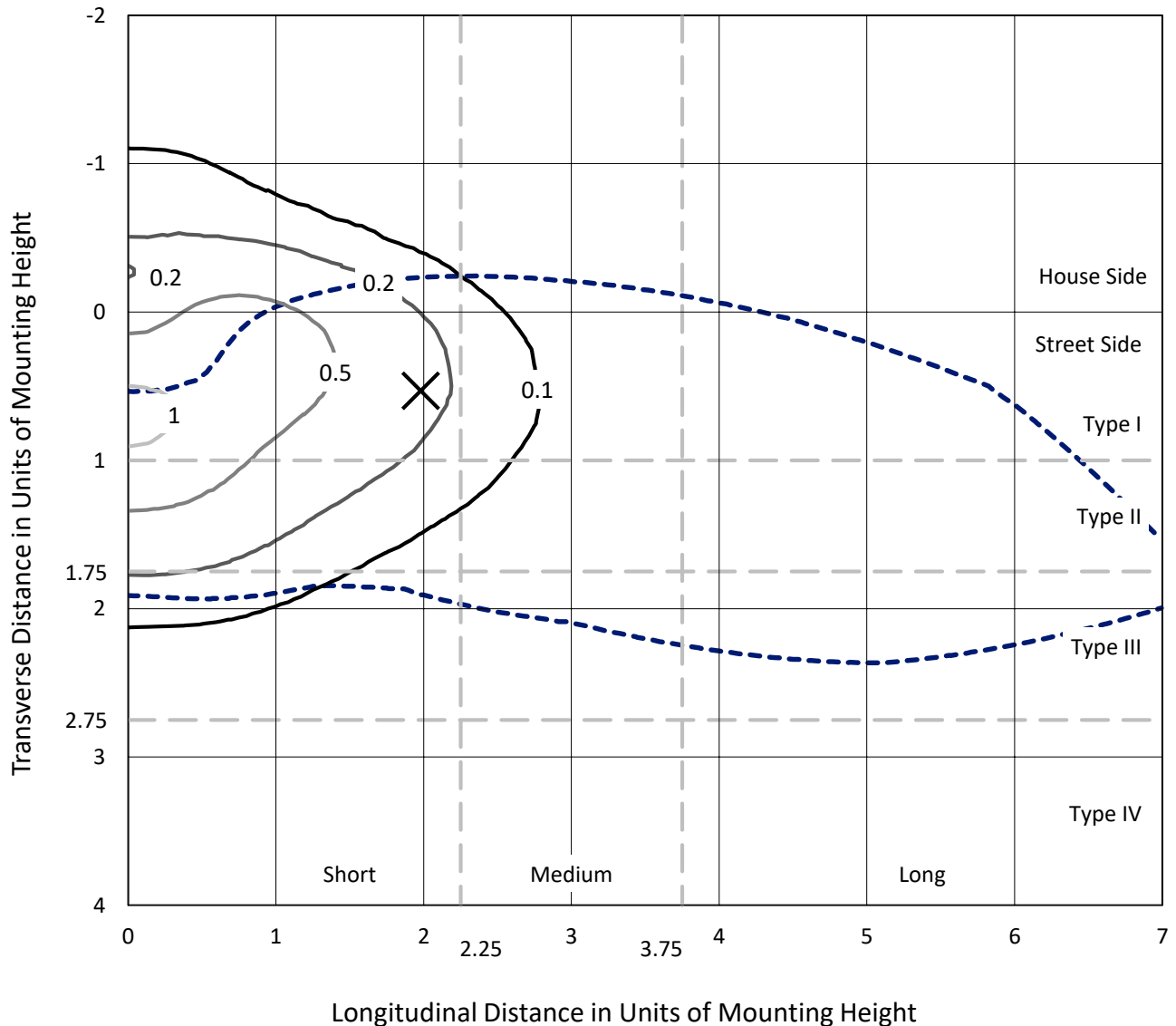
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415662
 CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

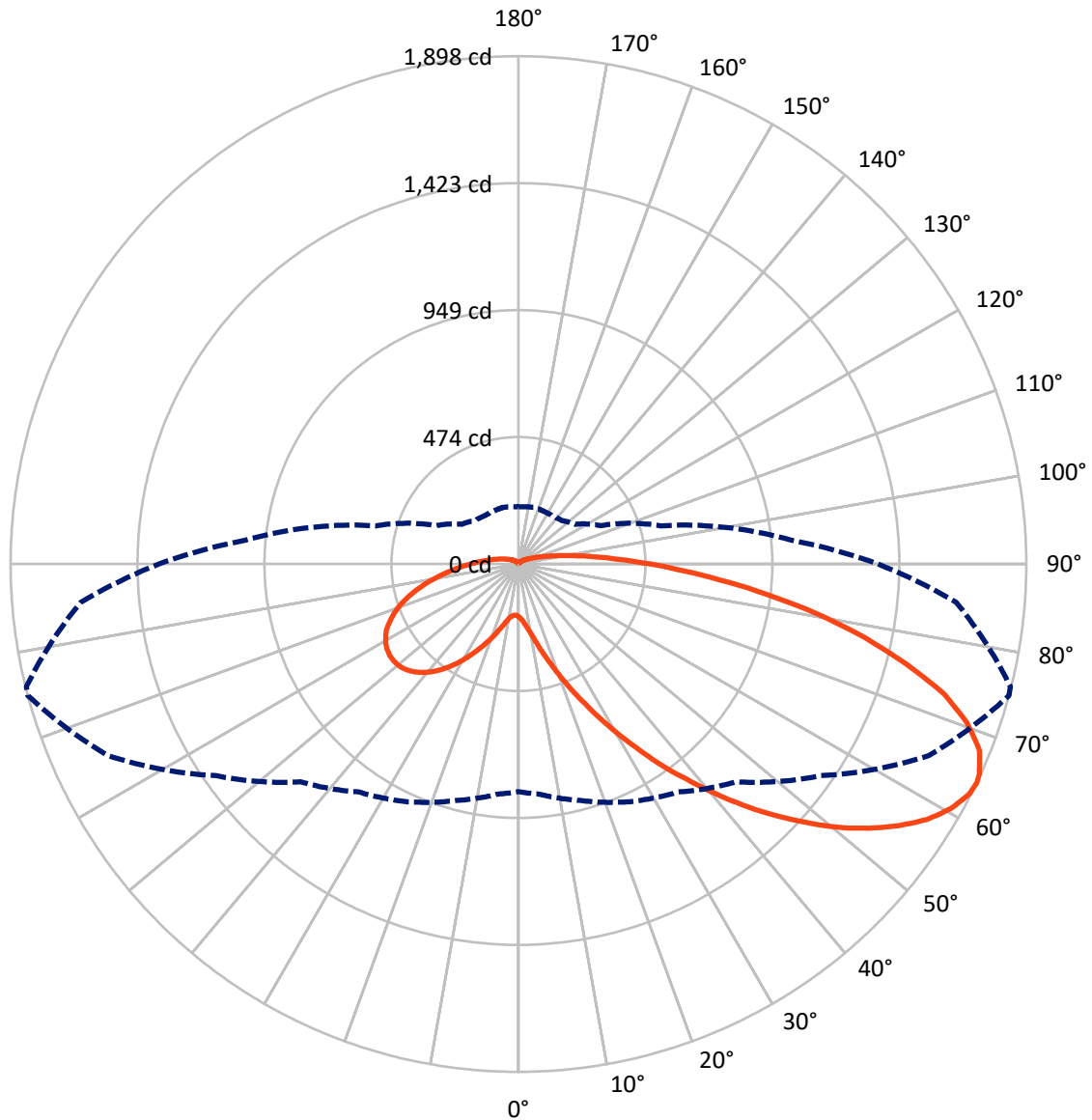


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



REPORT NUMBER: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.6	124.2	1067.8
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	3021.1	189.0	3210.2
	% Fixture	70.6	4.4	75.0
Total	Lumens	3964.7	313.3	4278.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.5
10°-20°	86.3	2.0
20°-30°	218.4	5.1
30°-40°	427.8	10.0
40°-50°	665.5	15.6
50°-60°	816.2	19.1
60°-70°	793.4	18.5
70°-80°	598.4	14.0
80°-90°	337.9	7.9
90°-100°	159.4	3.7
100°-110°	77.0	1.8
110°-120°	40.4	0.9
120°-130°	21.7	0.5
130°-140°	10.6	0.2
140°-150°	3.7	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3964.7	92.7
0°-180°	4278.0	100.0



REPORT NUMBER: P415662

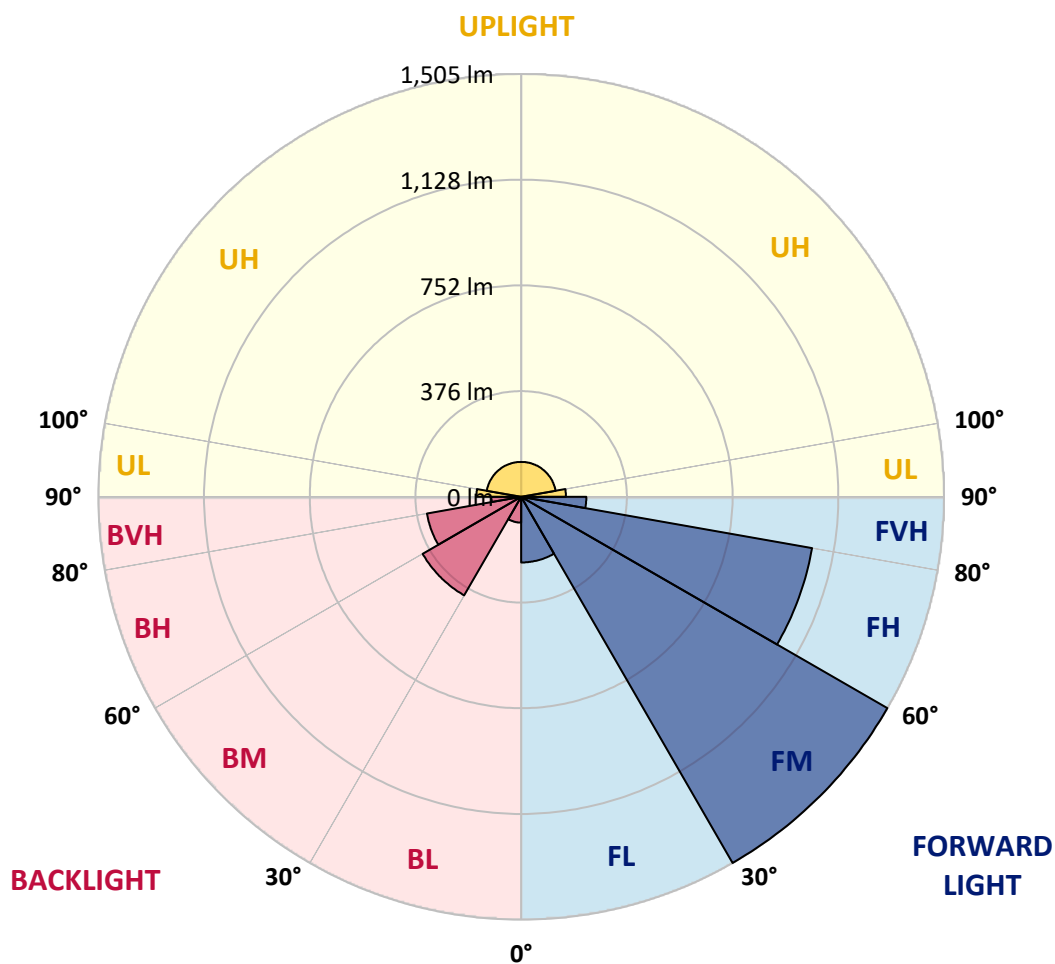
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.7	5.5			
FM	(30°-60°)	1504.6	35.2			
FH	(60°-80°)	1051.1	24.6			G1/1800
FVH	(80°-90°)	231.7	5.4			G3/500
BL	(0°-30°)	91.8	2.1	B0/110		
BM	(30°-60°)	404.9	9.5	B1/1000		
BH	(60°-80°)	340.7	8.0	B1/500		G1/500
BVH	(80°-90°)	106.1	2.5			G2/225
UL	(90°-100°)	159.4	3.7		U3/500	
UH	(100°-180°)	124.2	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





REPORT NUMBER: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2
2.5°	229.9	227.9	226.8	226.3	222.7	219.0	214.9	210.7	206.1	205.0	200.9
5°	265.8	263.2	262.1	259.0	253.8	247.6	238.8	230.5	220.1	220.6	211.3
7.5°	306.8	304.7	301.6	296.9	289.1	280.8	267.8	255.4	241.4	239.8	226.3
10°	353.5	351.9	348.8	341.5	331.7	317.7	304.7	286.0	266.3	265.2	245.5
12.5°	409.5	407.5	398.6	391.4	378.4	365.4	345.7	323.4	302.1	299.5	275.1
15°	472.9	469.7	463.5	452.1	438.1	416.8	396.0	373.7	345.7	341.0	312.5
17.5°	537.7	537.7	530.0	516.5	497.3	478.6	455.7	427.7	392.4	391.9	354.0
20°	619.2	618.2	606.3	586.5	567.3	547.6	520.1	488.4	449.0	445.4	399.2
22.5°	707.5	706.4	691.9	670.6	645.7	617.7	587.1	553.8	510.8	506.1	452.1
25°	803.0	802.5	787.4	754.7	723.0	696.6	664.9	628.1	578.2	577.2	512.3
27.5°	919.3	913.5	890.2	850.2	810.3	776.0	739.1	705.9	656.1	648.3	576.2
30°	1031.4	1028.3	996.6	953.5	898.5	853.3	816.0	790.5	739.1	731.9	650.9
32.5°	1147.1	1145.0	1106.6	1056.8	988.8	932.7	903.7	876.2	826.9	823.7	724.6
35°	1275.3	1267.0	1222.9	1154.4	1075.5	1012.7	986.7	974.3	925.5	914.1	805.6
37.5°	1380.2	1373.9	1334.0	1250.4	1157.5	1090.0	1070.3	1062.0	1020.0	1015.3	893.3
40°	1481.4	1476.7	1427.9	1337.6	1231.7	1164.2	1144.5	1158.5	1124.8	1117.5	981.5
42.5°	1554.6	1548.4	1503.2	1407.2	1296.1	1225.0	1224.5	1256.6	1232.2	1224.5	1072.9
45°	1598.2	1592.0	1554.6	1462.2	1346.4	1277.9	1289.9	1346.4	1339.2	1329.8	1156.5
47.5°	1602.3	1598.7	1571.7	1486.1	1377.1	1319.4	1353.7	1434.7	1442.5	1433.6	1245.7
50°	1564.4	1568.1	1550.9	1483.0	1388.0	1346.4	1405.6	1518.2	1546.8	1536.4	1334.5
52.5°	1492.8	1488.7	1495.9	1447.7	1376.5	1355.8	1440.9	1588.3	1640.7	1630.4	1416.5
55°	1373.4	1376.5	1402.0	1383.8	1340.7	1344.9	1462.2	1643.9	1725.9	1717.6	1490.7
57.5°	1247.8	1240.6	1286.2	1289.3	1277.4	1315.8	1464.8	1685.9	1801.1	1792.3	1554.6
60°	1083.3	1100.9	1141.9	1177.2	1198.0	1267.5	1447.7	1707.7	1856.2	1853.6	1606.0
62.5°	941.1	944.7	1000.2	1053.7	1103.5	1199.5	1409.8	1707.2	1892.0	1888.9	1636.6
64°	850.7	862.7	915.1	980.0	1039.7	1150.8	1378.6	1692.7	1897.7	1895.1	1641.8
65°	801.4	799.9	862.7	928.1	992.4	1113.9	1347.0	1677.1	1892.5	1892.5	1639.7
67.5°	666.0	671.1	726.2	801.4	880.8	1016.3	1266.0	1621.5	1858.2	1861.9	1609.6
70°	549.2	557.0	617.2	684.1	771.8	918.2	1165.8	1521.4	1777.8	1783.0	1544.7
72.5°	453.1	462.0	506.1	573.6	670.6	814.9	1052.7	1395.7	1664.1	1666.2	1436.2
75°	368.5	378.4	423.0	481.7	565.8	703.8	929.1	1259.2	1498.5	1508.9	1296.1
77.5°	300.0	310.4	351.4	404.3	484.3	602.1	806.6	1101.4	1322.6	1328.8	1135.7
80°	242.4	253.3	289.6	339.5	409.0	512.8	691.9	940.0	1132.6	1132.6	970.6
82.5°	196.7	206.1	238.8	281.8	345.2	432.9	581.3	781.2	936.4	936.9	801.9
85°	158.8	164.5	196.7	234.6	287.0	362.8	480.6	635.8	755.2	744.3	646.2
87.5°	127.7	132.9	159.9	196.7	238.2	302.6	394.5	517.5	593.8	597.4	515.9
90°	102.8	105.9	130.8	161.9	200.4	250.2	320.8	411.6	467.2	462.5	404.3
92.5°	83.6	87.2	108.5	136.5	168.7	210.2	264.2	326.0	361.8	362.8	316.1
95°	68.5	70.6	90.3	115.2	144.3	176.0	215.4	259.5	283.9	280.8	246.0
97.5°	57.1	58.1	76.3	98.6	122.5	148.5	179.6	206.6	220.1	218.0	192.6
100°	48.3	49.3	64.9	85.6	105.9	126.7	148.5	166.6	171.3	168.7	151.6
102.5°	42.0	42.6	55.5	74.2	91.4	108.5	123.5	135.0	134.4	134.4	119.9
105°	36.9	37.4	48.3	64.9	80.5	93.9	104.3	110.0	108.0	106.9	96.0
107.5°	33.2	33.7	42.6	57.1	71.1	81.5	89.3	90.8	86.7	85.6	77.9



REPORT NUMBER: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	30.1	30.1	37.4	50.3	62.8	71.1	76.3	76.3	70.1	69.6	64.4
112.5°	27.5	28.0	33.7	44.6	55.5	62.8	65.9	63.3	57.6	57.1	54.5
115°	25.4	26.0	30.1	40.0	49.3	55.5	57.1	53.5	47.8	47.2	45.2
117.5°	23.9	24.4	27.5	35.3	44.1	48.8	49.3	45.7	40.0	39.4	38.9
120°	22.8	22.8	25.4	31.7	38.9	43.1	42.6	38.9	34.3	33.7	33.7
122.5°	21.8	21.8	23.4	28.0	34.3	37.9	37.4	33.2	29.1	29.1	29.1
125°	20.8	20.8	21.8	25.4	30.6	33.2	32.2	28.5	24.9	24.9	26.0
127.5°	19.7	19.7	20.2	22.3	27.0	28.5	27.5	23.9	21.8	21.8	22.3
130°	18.7	18.7	18.7	20.2	23.4	24.4	23.4	20.2	18.7	18.7	19.7
132.5°	17.6	17.6	17.6	17.6	19.7	20.8	19.2	16.6	16.1	16.6	17.1
135°	16.6	16.6	16.1	15.6	16.6	17.1	15.6	14.0	14.0	14.0	15.1
137.5°	15.6	15.1	14.5	14.0	13.5	13.5	12.5	10.9	11.9	11.9	13.0
140°	14.0	13.5	13.0	11.9	10.9	10.4	9.3	8.8	9.9	9.9	10.4
142.5°	12.5	11.9	11.4	9.9	8.3	7.3	6.2	6.7	7.8	7.8	8.3
145°	10.4	10.4	9.3	7.8	6.2	5.2	4.2	4.7	5.7	5.7	6.2
147.5°	8.8	8.3	7.8	6.2	4.2	3.1	2.1	3.1	4.2	4.2	4.7
150°	6.7	6.2	5.7	4.2	2.6	1.0	1.0	2.1	2.6	2.6	3.1
152.5°	4.7	4.7	4.2	2.6	1.0	0.0	0.5	1.0	1.6	1.6	2.1
155°	3.1	2.6	2.1	1.6	0.5	0.0	0.0	0.5	1.0	1.0	1.0
157.5°	1.6	1.6	1.0	1.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
160°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2	197.2
2.5°	198.3	196.2	191.5	187.4	183.2	179.6	177.5	174.9	174.4	173.9	173.9
5°	205.5	200.9	191.5	182.7	174.4	167.7	162.5	157.3	154.7	153.6	153.1
7.5°	218.0	210.7	195.7	182.2	169.7	159.4	151.0	144.8	141.2	139.1	138.6
10°	235.1	224.8	204.0	185.3	168.7	155.2	144.8	137.6	132.9	130.8	130.3
12.5°	262.1	245.5	219.6	193.1	171.3	154.7	142.7	135.0	132.9	130.8	130.8
15°	292.7	276.1	240.3	207.6	179.6	157.8	147.4	142.2	139.1	137.6	137.0
17.5°	332.2	306.8	263.7	223.2	190.0	169.2	155.7	150.0	146.9	145.3	144.8
20°	372.7	342.6	289.6	240.3	204.0	182.7	166.6	157.8	154.7	153.1	152.6
22.5°	421.0	384.6	316.6	258.5	220.1	195.2	177.0	166.6	163.0	161.4	161.9
25°	470.3	431.3	345.7	277.7	235.1	205.5	186.9	174.9	172.3	170.3	170.3
27.5°	530.5	478.6	375.3	299.5	248.1	214.9	195.7	183.7	179.1	179.1	178.6
30°	593.8	528.9	407.5	318.2	259.5	223.2	202.4	191.5	186.9	186.3	186.3
32.5°	655.6	582.9	439.1	336.9	268.4	228.9	208.7	198.3	192.6	192.1	192.6
35°	727.7	637.9	468.7	351.9	276.1	233.6	213.3	204.0	197.8	197.2	197.2
37.5°	796.2	694.5	497.3	363.9	281.3	236.7	217.0	208.7	201.9	201.4	200.9
40°	867.9	748.0	523.2	373.7	283.9	238.8	219.0	211.8	205.5	203.5	203.5
42.5°	940.5	801.9	545.0	379.4	285.5	239.3	220.6	213.9	208.1	204.5	204.5
45°	1008.5	848.1	563.2	382.5	285.5	239.8	221.6	215.4	210.2	205.5	205.0
47.5°	1083.3	894.9	577.2	383.1	283.9	238.8	222.2	217.0	211.3	206.1	205.5
50°	1148.7	939.0	586.0	381.5	281.8	238.2	222.7	217.5	212.8	206.6	206.6
52.5°	1206.3	974.3	590.2	377.4	279.3	237.2	222.7	218.5	214.4	207.6	207.1
55°	1257.2	1001.8	589.7	371.1	275.1	235.7	222.2	218.5	215.4	208.1	208.1
57.5°	1300.8	1021.0	585.0	363.9	270.9	234.6	222.2	219.0	216.4	209.7	209.7
60°	1330.3	1031.9	575.6	355.0	266.8	232.5	221.6	219.6	218.0	211.3	211.8
62.5°	1344.4	1030.3	561.1	345.7	262.1	230.5	220.6	219.0	218.5	213.3	213.3
64°	1343.3	1023.1	551.2	338.9	259.0	229.4	220.1	218.5	219.0	214.4	214.4
65°	1336.6	1012.7	540.9	333.8	256.4	228.4	219.0	218.0	219.0	214.4	214.4
67.5°	1303.9	980.5	514.4	320.8	249.7	223.7	215.9	215.4	217.0	213.9	213.3
70°	1239.0	929.6	485.8	304.2	241.4	218.5	211.3	210.7	212.8	210.2	209.2
72.5°	1150.8	859.0	451.1	287.0	231.5	211.3	205.0	204.5	205.5	204.0	202.4
75°	1039.7	776.0	412.1	267.8	220.6	201.9	196.2	195.2	196.7	194.6	193.6
77.5°	916.1	684.1	371.1	247.6	206.6	191.5	185.8	184.3	184.3	181.7	179.1
80°	780.1	590.2	330.1	226.8	192.1	178.6	173.9	171.8	170.3	166.1	163.5
82.5°	651.4	501.9	288.1	205.5	176.5	164.5	159.9	157.3	153.6	148.5	144.8
85°	530.0	417.8	249.7	182.7	160.9	149.5	145.9	141.2	136.5	130.8	126.1
87.5°	425.6	342.1	215.4	162.5	143.3	134.4	130.3	124.1	119.4	113.2	109.0
90°	337.9	280.3	184.3	142.7	127.7	119.9	116.3	110.0	103.3	96.5	92.9
92.5°	272.5	228.4	158.8	126.1	114.2	107.4	102.8	96.5	88.8	82.0	79.4
95°	216.4	184.8	135.5	111.6	101.2	95.0	90.3	84.6	76.3	68.5	66.4
97.5°	171.3	152.1	115.8	98.1	89.8	84.6	79.4	74.2	65.9	58.1	57.1
100°	137.6	123.5	99.1	86.7	79.4	74.7	70.6	64.9	57.1	48.8	48.8
102.5°	111.1	102.3	85.1	76.3	70.6	66.4	62.3	57.1	49.3	42.0	41.5
105°	90.8	84.6	73.2	67.5	62.8	59.7	55.5	49.8	42.6	35.8	35.3
107.5°	75.8	70.1	63.3	59.7	56.1	52.9	49.8	44.1	36.9	31.1	31.1



REPORT NUMBER: P415662

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	62.3	60.2	55.0	52.4	50.3	47.2	44.1	38.4	31.7	27.5	27.5
112.5°	52.9	50.9	48.3	46.7	44.6	42.6	38.9	33.7	27.5	24.4	24.4
115°	44.6	43.6	42.0	41.0	40.0	37.9	34.3	29.1	23.4	21.3	21.8
117.5°	38.9	38.4	37.4	36.9	35.8	33.2	30.1	25.4	20.2	19.2	19.2
120°	33.7	33.7	32.7	32.7	31.7	29.6	26.0	21.8	17.6	17.1	17.1
122.5°	29.6	29.6	29.1	29.1	28.0	26.0	22.8	18.7	15.1	15.1	15.6
125°	26.0	26.0	25.4	25.4	24.9	22.8	19.7	16.1	13.5	13.5	13.5
127.5°	22.8	22.8	22.8	22.3	21.3	19.7	16.6	13.5	11.9	11.9	11.9
130°	20.2	20.2	19.7	19.7	18.7	16.6	14.0	11.4	9.9	10.9	10.9
132.5°	17.6	17.6	17.6	16.6	15.6	14.0	11.4	9.3	8.8	9.3	9.3
135°	15.1	15.6	15.1	14.5	13.5	11.4	9.3	7.8	7.8	8.3	8.3
137.5°	13.0	13.0	13.0	11.9	10.9	9.3	7.3	6.2	6.7	7.3	7.3
140°	10.9	10.9	10.4	9.9	8.8	7.3	5.7	4.7	5.7	6.2	6.2
142.5°	8.8	8.8	8.3	7.8	6.2	5.2	3.6	3.6	4.7	5.2	5.2
145°	6.7	6.7	6.2	5.7	4.7	3.1	2.6	3.1	4.2	4.2	4.2
147.5°	4.7	4.7	4.7	3.6	2.6	1.6	1.0	2.1	3.1	3.1	3.6
150°	3.1	3.1	3.1	2.6	1.6	0.5	0.5	1.6	2.1	2.6	2.6
152.5°	2.1	2.1	2.1	1.6	1.0	0.0	0.0	1.0	1.6	1.6	1.6
155°	1.0	1.0	1.0	1.0	0.5	0.0	0.0	0.5	1.0	1.0	1.0
157.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	1.0	0.5	0.5
160°	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.0
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)