

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: P415845

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-18)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5749 lumens
Efficiency: N/A
Efficacy: 89.8 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 - G3

Input Watts (W): 64
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

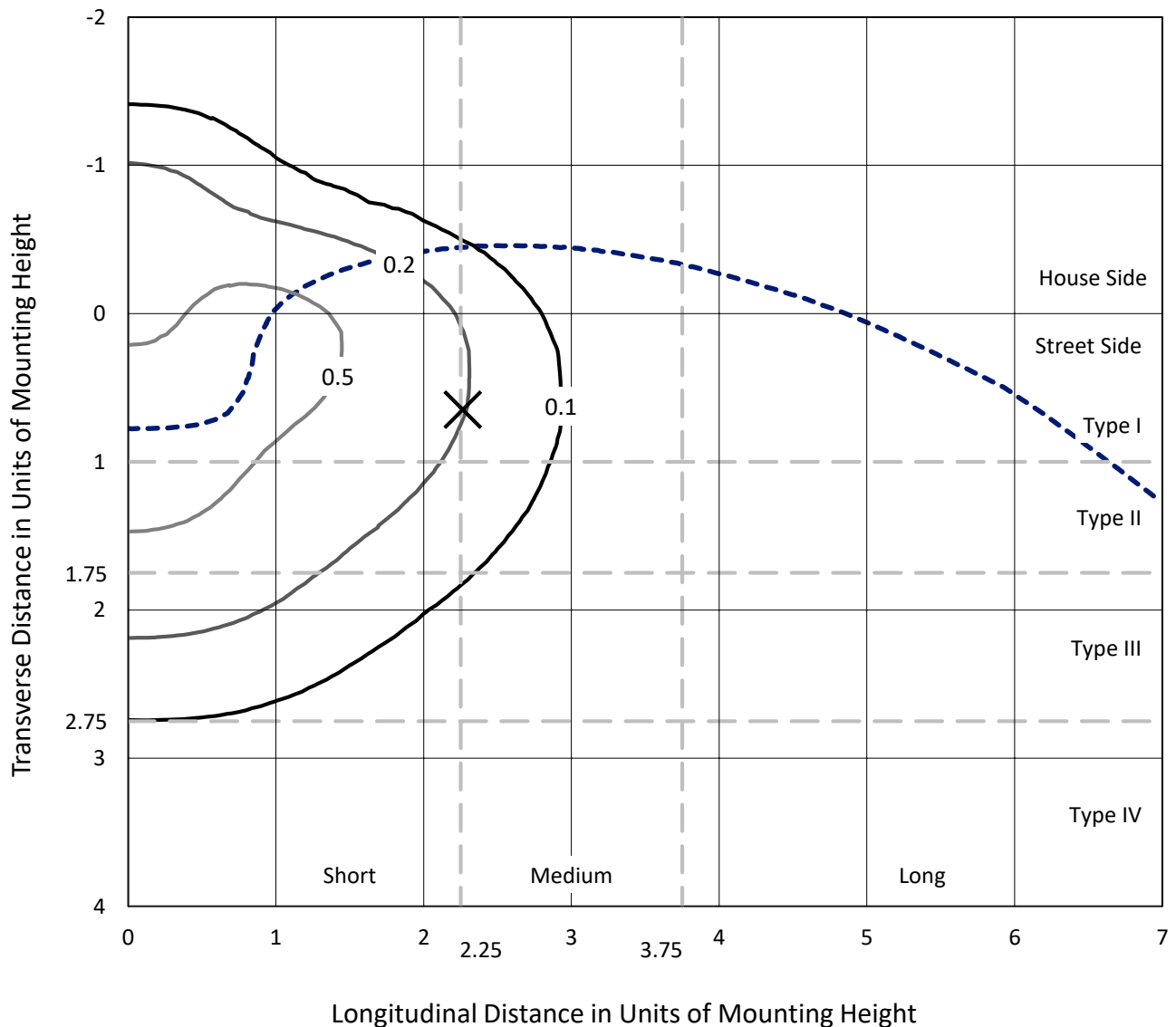


REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

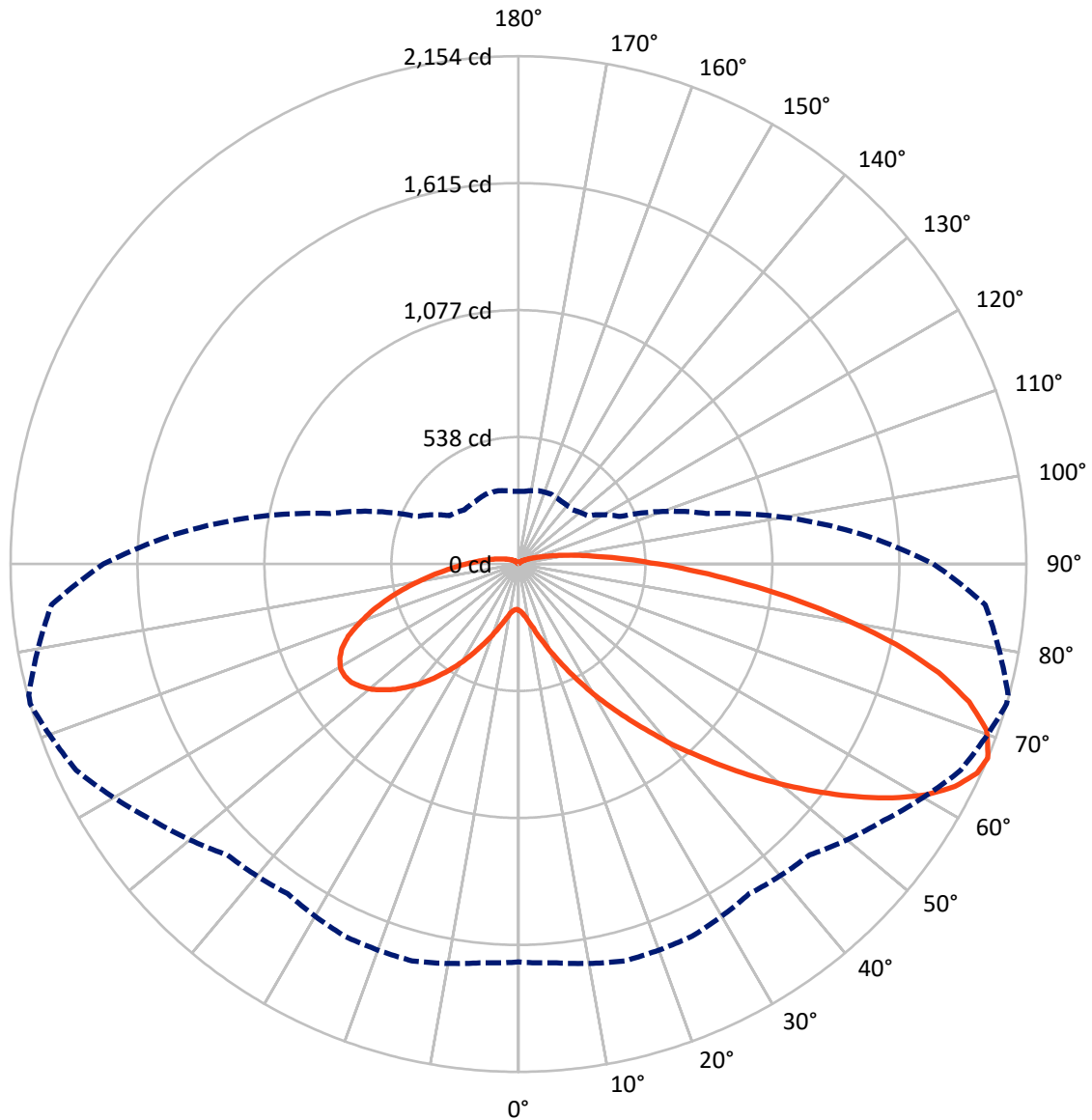


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1340.6	161.1	1501.7
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	3879.7	367.6	4247.3
	% Fixture	67.5	6.4	73.9
Total	Lumens	5220.3	528.7	5749.0
	% Fixture	90.8	9.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.5	0.4
10°-20°	83.8	1.5
20°-30°	208.0	3.6
30°-40°	406.2	7.1
40°-50°	671.9	11.7
50°-60°	973.9	16.9
60°-70°	1178.7	20.5
70°-80°	1047.8	18.2
80°-90°	629.5	10.9
90°-100°	289.0	5.0
100°-110°	128.7	2.2
110°-120°	61.4	1.1
120°-130°	30.4	0.5
130°-140°	13.9	0.2
140°-150°	4.6	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5220.3	90.8
0°-180°	5749.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415845

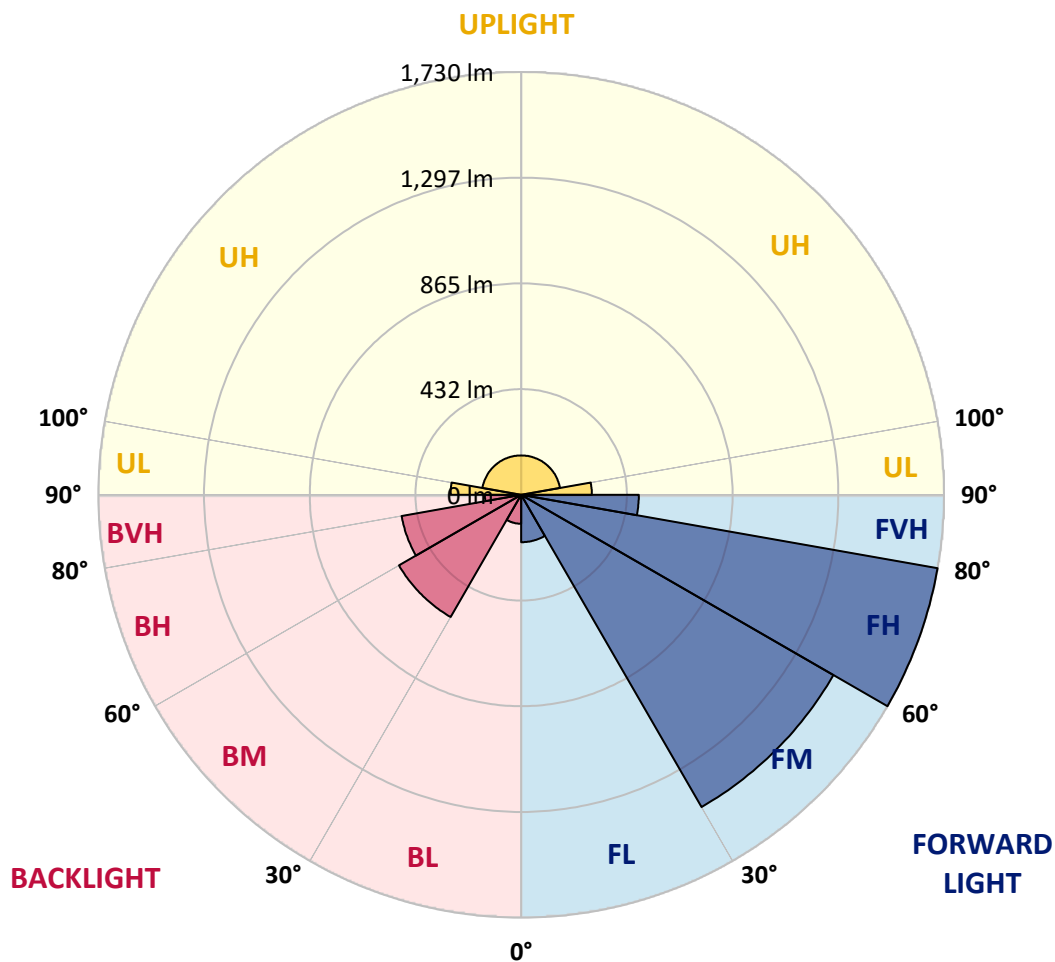
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.8	3.4			
FM	(30°-60°)	1475.0	25.7			
FH	(60°-80°)	1729.8	30.1			G1/1800
FVH	(80°-90°)	481.1	8.4			G3/500
BL	(0°-30°)	118.4	2.1	B1/500		
BM	(30°-60°)	577.0	10.0	B1/1000		
BH	(60°-80°)	496.8	8.6	B1/500		G1/500
BVH	(80°-90°)	148.3	2.6			G2/225
UL	(90°-100°)	289.0	5.0		U3/500	
UH	(100°-180°)	161.1	2.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	216.3	214.2	214.2	212.9	212.2	210.1	208.8	204.0	201.9	201.9	198.5
5°	239.5	238.1	235.4	235.4	232.6	229.9	224.5	218.3	213.5	212.9	206.7
7.5°	268.1	264.7	264.7	261.3	257.2	252.4	244.9	236.7	229.2	228.6	219.0
10°	300.9	299.5	298.1	293.4	287.9	278.4	271.5	259.9	251.1	250.4	237.4
12.5°	341.1	339.1	335.0	330.2	320.7	313.8	301.6	288.6	277.0	277.7	262.7
15°	384.8	383.4	380.7	373.2	362.3	352.7	340.4	326.8	315.2	310.4	294.7
17.5°	434.6	431.9	428.5	420.3	408.0	398.4	382.1	369.1	354.1	354.8	332.3
20°	493.3	490.5	485.8	472.8	461.9	448.9	431.9	417.5	400.5	399.1	376.6
22.5°	551.3	552.6	541.0	527.4	517.1	502.1	485.8	467.3	452.3	451.0	425.0
25°	622.9	618.1	606.5	590.8	575.1	556.7	542.4	526.0	511.7	510.3	479.6
27.5°	697.9	693.8	678.2	658.4	637.2	616.7	604.5	587.4	576.5	574.5	543.1
30°	779.8	773.0	758.7	732.0	702.7	679.5	667.2	661.1	650.9	648.1	616.1
32.5°	871.9	863.0	841.9	809.8	767.5	741.6	736.1	730.7	726.6	722.5	692.5
35°	963.3	960.6	929.2	889.6	848.0	813.9	804.4	813.2	810.5	807.8	775.7
37.5°	1059.5	1064.3	1030.2	978.3	921.0	884.9	878.0	894.4	901.9	901.9	863.7
40°	1172.8	1168.7	1134.6	1071.1	1004.3	962.0	964.0	988.6	1007.0	1002.9	965.4
42.5°	1285.4	1276.5	1231.5	1169.4	1084.8	1042.5	1042.5	1080.0	1108.0	1108.6	1069.1
45°	1395.9	1386.3	1344.0	1262.8	1170.7	1125.0	1134.6	1180.3	1226.0	1219.9	1181.0
47.5°	1496.8	1492.8	1449.1	1362.4	1258.7	1211.0	1230.1	1298.3	1348.1	1348.1	1305.1
50°	1595.8	1590.3	1549.4	1451.8	1347.4	1300.4	1329.0	1412.2	1475.7	1479.1	1429.3
52.5°	1681.1	1677.6	1639.4	1542.6	1434.8	1387.0	1430.0	1534.4	1607.4	1614.9	1562.3
55°	1742.5	1744.5	1715.2	1623.1	1513.9	1474.3	1533.0	1655.8	1742.5	1743.8	1687.2
57.5°	1787.5	1790.2	1770.4	1690.6	1583.5	1553.5	1632.6	1773.2	1871.4	1877.5	1803.2
60°	1806.6	1811.4	1805.2	1738.4	1645.6	1626.5	1722.0	1878.2	1987.4	1989.4	1900.1
62.5°	1796.4	1801.1	1813.4	1765.7	1690.6	1689.9	1808.6	1969.6	2078.1	2080.8	1973.7
65°	1750.0	1757.5	1788.2	1765.7	1707.0	1729.5	1865.9	2039.9	2137.5	2140.9	2002.4
67°	1687.9	1697.4	1742.5	1741.8	1707.0	1745.2	1893.9	2069.3	2153.8	2149.8	1987.4
67.5°	1673.5	1683.1	1728.1	1735.0	1702.2	1747.2	1897.3	2072.7	2147.7	2147.0	1977.8
70°	1552.1	1569.2	1634.7	1667.4	1666.7	1730.9	1896.0	2054.2	2106.1	2099.3	1898.0
72.5°	1412.2	1433.4	1513.2	1576.0	1596.5	1679.7	1846.2	1981.2	1998.3	1990.1	1748.6
75°	1268.3	1279.9	1363.1	1452.5	1504.4	1593.0	1752.7	1865.3	1841.4	1821.6	1561.7
77.5°	1116.2	1120.9	1213.7	1314.0	1376.8	1479.1	1613.5	1695.4	1636.7	1620.3	1348.8
80°	939.5	959.2	1052.0	1156.4	1234.2	1327.0	1440.2	1489.3	1391.1	1376.1	1122.3
82.5°	794.8	807.1	891.7	994.0	1081.4	1168.7	1242.4	1255.3	1152.3	1141.4	901.9
85°	648.8	659.7	748.4	843.3	925.1	998.1	1047.2	1028.1	921.0	909.4	712.9
87.5°	536.9	545.1	606.5	702.7	775.0	827.6	853.5	829.6	727.3	710.9	550.6
90°	425.7	438.0	493.3	574.5	648.1	682.2	685.0	645.4	561.5	549.2	421.6
92.5°	343.9	352.0	404.6	472.1	530.1	556.0	549.2	515.8	438.7	424.4	326.1
95°	278.4	285.2	328.8	388.2	435.3	459.2	440.0	395.7	335.0	329.5	251.7
97.5°	231.3	232.6	266.8	320.0	357.5	369.8	354.8	314.5	262.0	251.1	193.1
100°	189.0	190.3	219.0	259.3	293.4	301.6	286.5	247.7	203.3	196.5	151.5
102.5°	153.5	156.9	178.7	214.9	240.2	246.3	230.6	196.5	156.9	152.1	118.0
105°	130.3	131.0	150.1	177.4	199.9	204.7	189.0	159.6	123.5	120.8	94.1
107.5°	110.5	110.5	125.5	149.4	167.2	169.9	157.6	130.3	97.6	94.8	76.4



REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	94.8	95.5	106.4	125.5	141.9	144.0	131.7	104.4	77.8	75.7	62.1
112.5°	82.6	83.9	91.4	106.4	120.8	122.8	110.5	85.3	63.4	60.7	51.9
115°	73.0	73.7	79.1	91.4	103.0	104.4	92.1	70.3	51.2	49.1	43.7
117.5°	64.8	65.5	69.6	79.8	88.7	89.4	77.1	58.0	43.0	40.9	38.2
120°	58.7	58.7	62.1	68.9	76.4	76.4	64.8	47.8	35.5	34.8	32.7
122.5°	53.2	53.2	55.3	60.0	65.5	64.1	53.9	39.6	30.0	29.3	28.7
125°	48.4	48.4	49.8	52.5	55.9	53.9	44.3	32.7	25.9	25.2	25.2
127.5°	43.7	43.7	44.3	46.4	47.1	45.0	36.8	27.3	22.5	21.8	22.5
130°	39.6	39.6	39.6	39.6	39.6	38.2	30.0	22.5	19.1	19.1	19.8
132.5°	35.5	35.5	34.8	34.1	33.4	30.7	24.6	18.4	17.1	17.1	17.7
135°	31.4	31.4	30.7	29.3	27.3	23.9	18.4	15.0	14.3	14.3	15.0
137.5°	27.3	27.3	26.6	24.6	21.8	18.4	14.3	12.3	12.3	12.3	13.0
140°	23.2	23.2	22.5	20.5	17.1	13.6	10.9	9.6	10.2	10.2	10.9
142.5°	19.8	19.1	18.4	16.4	13.0	9.6	7.5	7.5	8.2	8.2	8.9
145°	15.7	15.0	14.3	12.3	9.6	6.8	5.5	5.5	6.1	6.1	6.8
147.5°	12.3	11.6	10.9	8.9	6.8	4.8	3.4	4.1	4.8	4.8	4.8
150°	8.2	8.2	8.2	6.8	4.1	2.7	2.0	2.7	2.7	2.7	3.4
152.5°	5.5	5.5	5.5	4.1	2.7	1.4	1.4	1.4	2.0	2.0	2.0
155°	3.4	3.4	3.4	2.7	1.4	0.7	0.7	0.7	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.7	0.0	0.7	0.7	0.7	0.7
160°	0.7	0.7	1.4	1.4	1.4	0.7	0.0	0.0	0.7	0.7	0.7
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: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
2.5°	197.2	195.8	193.1	191.0	189.0	186.9	184.9	183.5	181.5	181.5	181.5
5°	204.0	200.6	195.1	191.0	186.3	182.8	178.7	176.0	174.0	173.3	173.3
7.5°	215.6	210.8	202.6	194.4	187.6	182.2	177.4	174.0	171.2	170.6	170.6
10°	232.0	225.8	212.9	203.3	194.4	186.9	180.8	176.0	174.0	172.6	172.6
12.5°	255.8	247.7	232.6	216.3	204.7	195.1	187.6	185.6	185.6	186.3	185.6
15°	284.5	276.3	255.8	236.7	219.7	208.8	204.7	204.7	204.0	205.4	205.4
17.5°	320.7	309.1	284.5	259.3	239.5	229.2	225.1	223.8	225.1	227.2	225.8
20°	363.6	346.6	315.9	284.5	263.3	253.1	246.3	244.9	247.0	248.3	249.0
22.5°	408.7	390.2	351.4	311.1	289.3	275.6	268.1	266.1	269.5	272.9	273.6
25°	459.8	439.4	389.6	343.2	312.5	294.0	287.2	286.5	292.0	296.8	296.8
27.5°	521.9	494.6	431.2	378.0	338.4	313.8	306.3	307.0	314.5	318.6	320.0
30°	586.7	556.0	478.9	410.0	358.9	329.5	321.3	324.7	332.3	340.4	341.8
32.5°	659.7	623.6	525.3	442.1	377.3	341.8	332.9	339.8	347.9	357.5	358.9
35°	736.1	687.7	573.1	471.4	392.3	351.4	341.1	349.3	359.5	368.4	371.1
37.5°	822.8	765.5	624.9	495.3	403.9	356.8	345.9	355.4	367.0	375.9	376.6
40°	911.5	845.3	674.1	517.8	412.1	360.2	348.6	358.2	369.1	376.6	377.3
42.5°	1004.3	926.5	719.8	536.2	416.2	360.2	347.3	356.8	367.0	371.1	371.8
45°	1112.7	1012.5	766.8	549.2	417.5	358.9	345.2	352.7	360.2	361.6	363.6
47.5°	1221.9	1097.7	807.1	558.8	416.9	355.4	341.8	347.9	352.7	351.4	353.4
50°	1337.2	1190.5	846.0	564.9	413.4	352.0	337.0	342.5	343.9	339.8	339.8
52.5°	1447.7	1271.0	876.0	565.6	408.7	347.9	333.6	337.7	337.0	329.5	330.2
55°	1558.2	1357.0	901.2	559.4	401.8	343.9	330.2	332.9	330.9	322.0	320.7
57.5°	1653.1	1426.6	912.2	550.6	394.3	339.8	328.2	330.9	326.8	316.6	315.9
60°	1733.6	1480.5	912.8	538.3	385.5	336.3	326.1	329.5	326.1	313.8	312.5
62.5°	1783.4	1505.0	895.1	519.2	376.6	332.3	326.1	328.8	324.7	312.5	311.8
65°	1791.6	1492.8	866.5	497.4	366.4	328.2	324.7	328.2	324.1	311.1	309.7
67°	1759.5	1457.3	827.6	476.9	357.5	324.7	322.0	326.8	322.0	309.7	307.7
67.5°	1748.6	1440.9	818.7	474.2	355.4	323.4	321.3	325.4	321.3	309.1	307.0
70°	1653.1	1351.5	751.8	444.1	342.5	316.6	316.6	320.0	315.9	304.3	300.9
72.5°	1505.7	1226.0	685.0	415.5	328.2	306.3	308.4	311.8	307.7	296.8	292.7
75°	1335.2	1084.8	610.6	382.1	311.8	296.1	297.5	300.9	296.8	285.2	281.8
77.5°	1145.5	921.7	535.6	351.4	294.7	282.4	283.1	285.2	281.8	270.2	266.8
80°	942.2	760.0	459.2	316.6	274.9	265.4	266.1	266.1	261.3	251.7	249.0
82.5°	759.3	617.4	391.6	285.9	253.1	246.3	246.3	245.6	239.5	231.3	227.2
85°	590.8	498.0	328.2	254.5	231.3	225.1	224.5	221.7	215.6	206.7	201.9
87.5°	463.2	394.3	276.3	224.5	209.4	205.4	201.3	195.1	190.3	182.8	178.7
90°	361.6	313.2	233.3	197.2	188.3	182.8	178.7	171.2	163.7	156.2	154.2
92.5°	283.1	247.7	194.4	171.9	166.5	162.4	156.9	148.7	141.9	133.0	133.7
95°	224.5	201.3	165.8	151.5	147.4	144.0	137.1	128.3	120.8	112.6	111.2
97.5°	176.0	160.3	139.2	131.7	130.3	126.2	119.4	110.5	102.3	93.5	93.5
100°	139.9	131.0	117.3	116.0	113.3	110.5	103.7	95.5	85.3	77.8	77.8
102.5°	112.6	105.1	100.3	100.3	99.6	96.9	90.1	81.9	71.6	64.1	64.1
105°	90.1	87.3	85.3	87.3	88.0	85.3	78.5	69.6	59.4	52.5	53.9
107.5°	75.0	73.0	73.0	75.7	77.1	74.4	68.2	58.7	49.1	44.3	44.3



REPORT NUMBER: P415845

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	62.1	61.4	62.8	66.2	66.9	64.8	58.7	49.8	40.9	36.8	37.5
112.5°	52.5	51.9	54.6	58.0	58.7	56.6	50.5	42.3	34.1	31.4	31.4
115°	44.3	45.0	47.1	49.8	51.2	49.1	43.7	36.2	28.0	26.6	26.6
117.5°	38.2	38.9	40.9	44.3	45.0	42.3	36.8	30.0	23.9	23.2	23.2
120°	33.4	34.1	36.2	38.2	38.9	36.2	31.4	25.2	20.5	19.8	19.8
122.5°	29.3	30.7	32.1	33.4	34.1	31.4	27.3	21.1	17.1	17.1	17.7
125°	25.9	26.6	28.0	29.3	29.3	26.6	22.5	17.7	15.0	15.0	15.0
127.5°	23.2	23.2	23.9	25.2	25.2	23.2	19.1	14.3	13.0	13.0	13.6
130°	20.5	21.1	21.1	21.1	21.1	19.1	15.7	12.3	10.9	11.6	11.6
132.5°	17.7	18.4	18.4	18.4	17.7	15.7	13.0	10.2	9.6	10.2	10.2
135°	15.7	15.7	15.7	15.7	14.3	13.0	10.2	8.2	8.2	8.9	8.9
137.5°	13.6	13.6	13.6	13.0	11.6	10.2	8.2	6.8	6.8	7.5	7.5
140°	10.9	11.6	10.9	10.2	8.9	7.5	6.1	5.5	6.1	6.1	6.1
142.5°	8.9	8.9	8.9	8.2	6.8	5.5	4.8	4.1	4.8	4.8	5.5
145°	6.8	6.8	6.8	6.1	4.8	3.4	3.4	3.4	4.1	4.1	4.1
147.5°	4.8	4.8	4.8	4.1	2.7	2.0	2.0	2.0	2.7	2.7	2.7
150°	3.4	3.4	3.4	2.7	1.4	0.7	0.7	1.4	2.0	2.0	2.0
152.5°	2.0	2.0	2.0	1.4	0.7	0.0	0.7	1.4	1.4	0.7	0.7
155°	1.4	1.4	1.4	1.4	0.7	0.0	0.7	0.7	0.7	0.0	0.0
157.5°	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0
160°	0.7	0.7	0.7	0.0	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

(END OF REPORT)