

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: P415861

Luminaire Tested: **LXF.LXT-PA1-60-730-U-SL3-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415861
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6180 lumens
Efficiency: N/A
Efficacy: 96.6 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

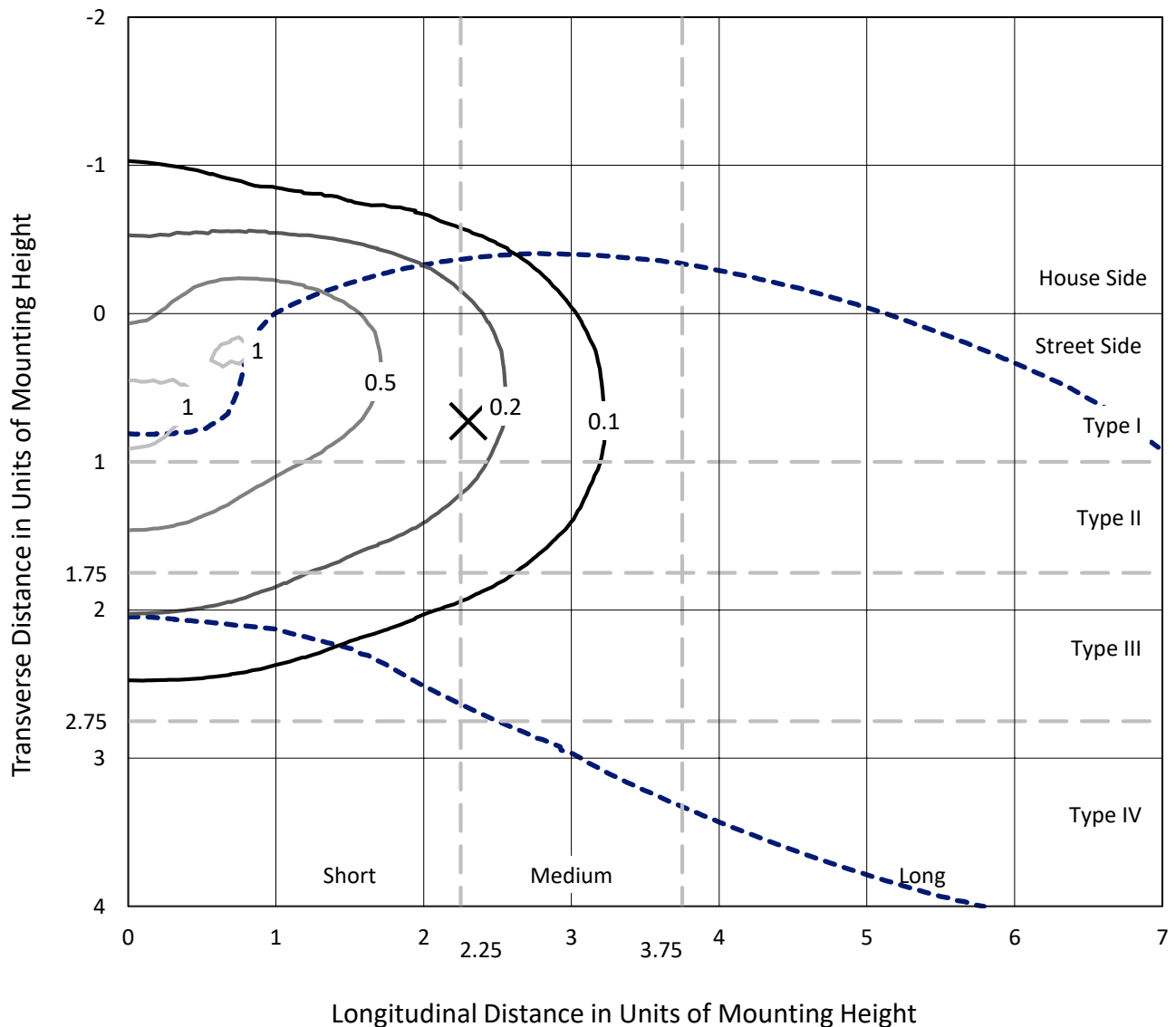
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415861
 CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

Iso-Footcandle Lines of Horizontal Illumination

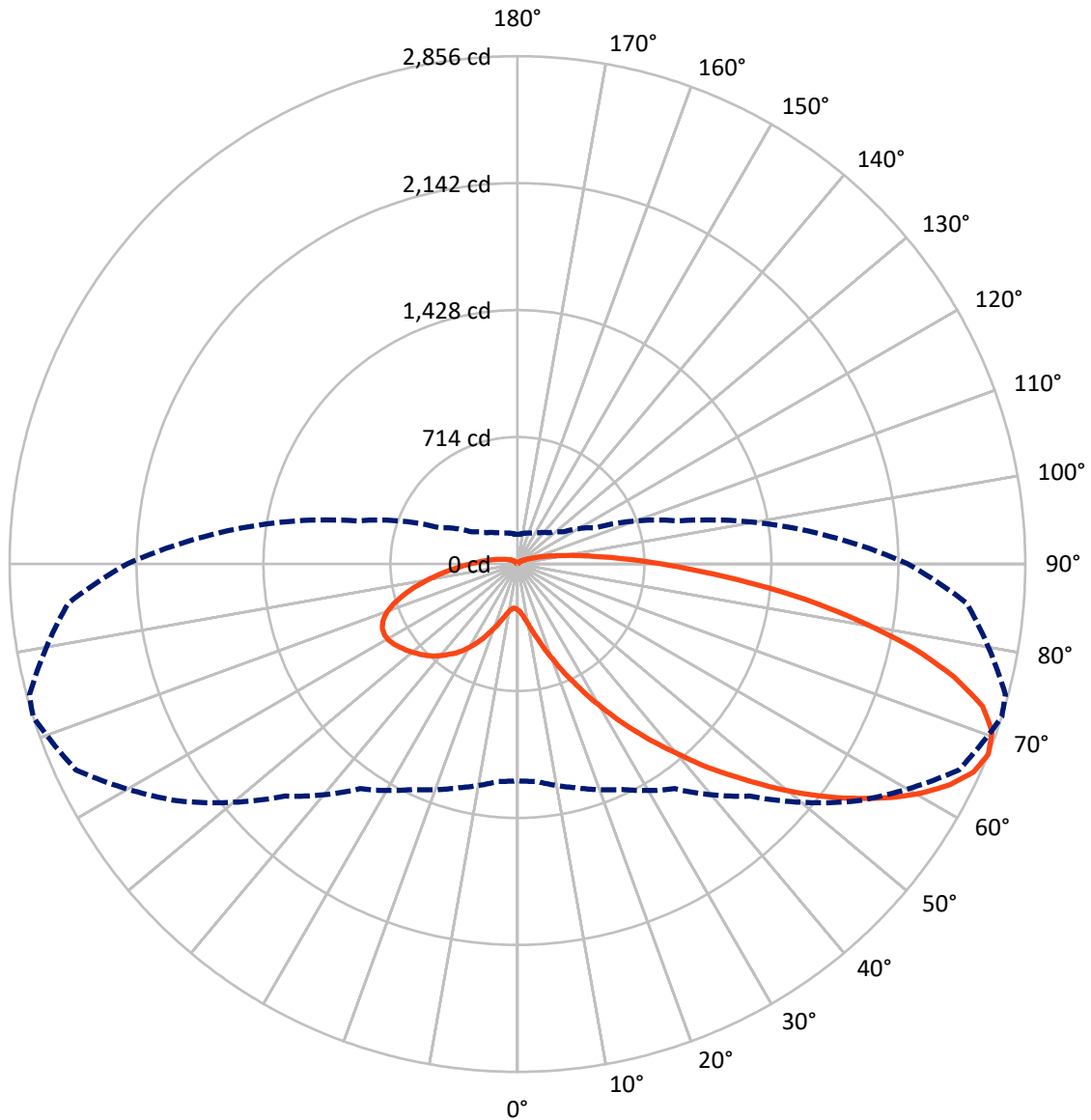
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415861
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415861

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1255.0	178.5	1433.5
	% Fixture	20.3	2.9	23.2
Street Side	Lumens	4400.4	346.1	4746.5
	% Fixture	71.2	5.6	76.8
Total	Lumens	5655.4	524.6	6180.0
	% Fixture	91.5	8.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.6	0.4
10°-20°	105.4	1.7
20°-30°	254.6	4.1
30°-40°	485.3	7.9
40°-50°	781.1	12.6
50°-60°	1080.8	17.5
60°-70°	1241.8	20.1
70°-80°	1065.9	17.2
80°-90°	613.7	9.9
90°-100°	277.4	4.5
100°-110°	127.5	2.1
110°-120°	64.1	1.0
120°-130°	33.2	0.5
130°-140°	15.8	0.3
140°-150°	5.4	0.1
150°-160°	0.9	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5655.4	91.5
0°-180°	6180.0	100.0



REPORT NUMBER: P415861

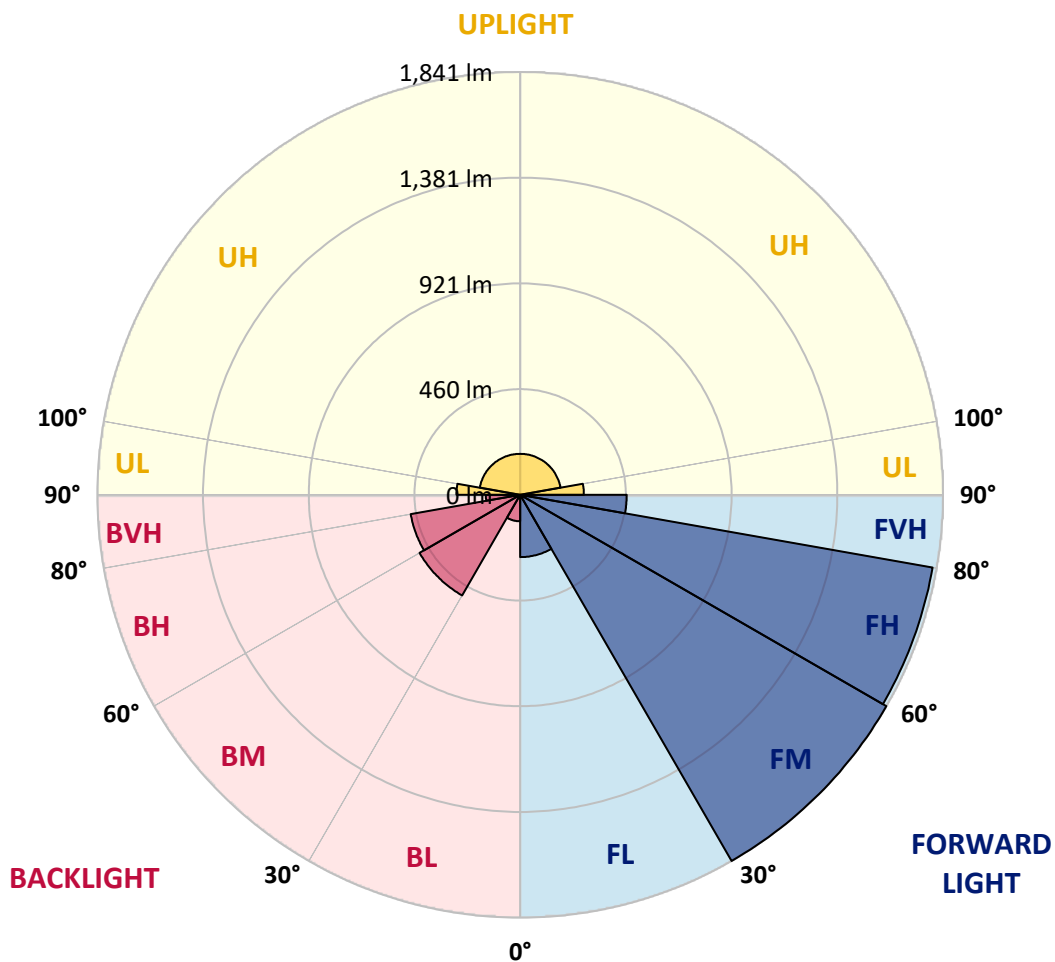
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.4	4.4			
FM	(30°-60°)	1841.3	29.8			
FH	(60°-80°)	1823.8	29.5			G2/5000
FVH	(80°-90°)	464.0	7.5			G3/500
BL	(0°-30°)	115.3	1.9	B1/500		
BM	(30°-60°)	506.0	8.2	B1/1000		
BH	(60°-80°)	483.9	7.8	B1/500		G1/500
BVH	(80°-90°)	149.8	2.4			G2/225
UL	(90°-100°)	277.4	4.5		U3/500	
UH	(100°-180°)	178.5	2.9		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415861

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8
2.5°	289.0	288.3	289.0	286.8	284.6	280.1	277.1	271.2	268.2	266.7	260.8
5°	329.9	329.1	328.4	325.4	318.0	312.8	303.9	293.5	286.8	283.8	274.2
7.5°	374.5	373.0	371.5	364.8	359.6	350.7	337.3	323.9	312.8	310.6	292.7
10°	425.0	423.5	420.5	415.3	405.7	393.0	381.1	361.8	347.7	341.0	321.7
12.5°	477.0	480.0	476.2	465.8	454.7	442.8	425.7	407.1	392.3	387.1	357.4
15°	540.1	542.4	538.7	526.8	514.9	497.0	483.7	464.4	444.3	441.3	408.6
17.5°	610.0	609.2	601.8	590.7	580.3	566.1	546.8	529.0	506.7	501.5	461.4
20°	685.8	682.8	676.1	657.5	647.9	631.5	619.6	595.1	573.6	566.1	526.0
22.5°	761.5	760.1	754.1	737.0	725.1	711.0	693.2	670.9	656.0	641.2	596.6
25°	856.6	847.7	840.3	809.8	798.7	785.3	769.7	751.1	737.0	728.9	677.6
27.5°	951.7	945.1	928.0	905.7	884.1	862.6	855.9	839.6	835.1	828.4	770.5
30°	1046.1	1043.1	1024.6	996.3	965.1	944.3	940.6	942.1	935.4	927.2	865.6
32.5°	1153.1	1146.4	1125.6	1087.7	1055.0	1030.5	1030.5	1040.9	1046.8	1038.7	973.3
35°	1257.8	1251.9	1225.9	1179.1	1142.7	1113.0	1124.9	1149.4	1163.5	1163.5	1082.5
37.5°	1368.6	1355.2	1328.4	1279.4	1230.4	1208.8	1222.2	1264.5	1285.3	1285.3	1203.6
40°	1465.1	1464.4	1428.0	1369.3	1321.0	1289.1	1329.9	1386.4	1413.9	1411.6	1325.5
42.5°	1561.7	1561.0	1526.1	1461.4	1400.5	1384.2	1435.4	1514.9	1559.5	1559.5	1448.8
45°	1648.7	1642.7	1613.0	1541.7	1485.2	1477.8	1553.6	1654.6	1700.7	1708.1	1582.5
47.5°	1712.5	1707.3	1681.3	1612.2	1558.8	1572.1	1663.5	1792.0	1854.5	1853.7	1719.2
50°	1755.6	1750.4	1728.1	1668.7	1622.6	1656.1	1783.1	1937.7	2015.7	2021.6	1854.5
52.5°	1768.3	1765.3	1753.4	1704.4	1674.7	1731.9	1895.3	2086.3	2174.7	2179.9	2002.3
55°	1746.7	1746.7	1746.0	1716.3	1704.4	1799.5	2011.2	2231.1	2327.0	2336.6	2147.9
57.5°	1696.2	1698.4	1711.8	1702.1	1720.0	1853.7	2109.3	2361.9	2477.8	2483.7	2277.9
60°	1619.7	1615.2	1644.9	1662.8	1711.1	1887.9	2196.2	2493.4	2614.5	2616.7	2392.4
62.5°	1503.8	1506.0	1549.1	1595.9	1679.1	1902.0	2272.7	2608.6	2731.2	2736.4	2481.5
65°	1367.1	1372.3	1431.0	1509.7	1624.1	1887.1	2316.6	2697.0	2819.6	2812.9	2532.8
67.5°	1219.2	1226.6	1303.2	1399.0	1542.4	1845.5	2324.0	2739.3	2856.0	2841.1	2537.2
70°	1057.2	1076.6	1153.1	1277.9	1436.9	1766.0	2280.9	2731.9	2831.5	2817.3	2471.1
72.5°	910.1	924.3	1008.2	1138.2	1318.8	1650.9	2189.5	2646.5	2735.6	2707.4	2332.9
75°	763.8	785.3	864.8	1003.8	1191.0	1508.2	2034.3	2481.5	2536.5	2506.0	2127.1
77.5°	639.0	658.3	737.0	870.8	1050.6	1358.9	1830.7	2231.1	2276.5	2245.3	1867.1
80°	520.8	542.4	618.9	750.4	919.1	1183.6	1597.4	1938.4	1955.5	1906.5	1580.3
82.5°	435.4	446.5	517.9	633.8	789.0	1020.8	1358.1	1626.4	1627.1	1568.4	1283.9
85°	355.9	362.6	428.0	532.7	665.7	862.6	1115.2	1309.9	1295.0	1263.0	989.6
87.5°	288.3	295.0	353.7	448.0	560.2	719.9	910.1	1031.2	996.3	971.1	768.2
90°	236.3	243.7	292.0	373.7	470.3	594.4	724.4	797.2	766.0	746.7	592.1
92.5°	193.2	200.6	243.0	312.8	398.2	486.6	575.8	610.0	588.4	566.1	446.5
95°	163.5	164.9	202.8	261.5	329.1	393.0	451.0	471.0	441.3	433.2	345.5
97.5°	134.5	138.9	168.7	220.7	274.9	327.6	357.4	367.8	341.0	323.2	264.5
100°	114.4	116.6	142.7	184.3	228.8	266.7	289.8	284.6	260.8	250.4	200.6
102.5°	98.1	100.3	121.1	159.7	194.7	222.1	233.3	225.1	202.8	196.1	157.5
105°	86.2	86.9	104.0	135.2	164.9	188.0	192.4	179.8	158.3	149.3	124.1
107.5°	76.5	77.3	90.6	117.4	142.7	158.3	159.7	145.6	124.8	118.1	99.6
110°	68.4	69.8	79.5	101.8	123.3	135.2	133.7	118.9	99.6	93.6	81.7



REPORT NUMBER: P415861

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	61.7	63.2	70.6	89.2	107.0	117.4	113.7	95.8	79.5	75.8	67.6
115°	56.5	58.0	63.9	78.8	94.4	101.8	95.8	79.5	65.4	60.9	56.5
117.5°	52.8	53.5	58.0	69.8	81.7	87.7	81.0	66.1	53.5	50.5	48.3
120°	49.0	49.8	53.5	61.7	72.1	75.0	68.4	54.2	44.6	43.1	42.3
122.5°	46.1	46.1	49.0	55.0	62.4	64.6	58.0	45.3	37.9	36.4	37.1
125°	43.1	43.1	44.6	49.0	54.2	55.7	48.3	37.9	31.9	31.2	32.7
127.5°	40.1	40.1	40.9	43.8	46.8	46.8	40.1	31.2	27.5	26.7	29.0
130°	37.1	37.1	37.1	38.6	40.1	39.4	32.7	26.0	23.8	23.8	25.3
132.5°	34.2	34.2	34.2	34.2	33.4	31.9	26.7	20.8	20.8	20.8	22.3
135°	30.5	30.5	30.5	29.7	28.2	26.0	20.8	17.1	17.1	17.8	19.3
137.5°	27.5	27.5	26.7	25.3	23.0	20.1	16.3	13.4	14.9	14.9	16.3
140°	23.8	23.8	23.0	20.8	17.8	14.9	11.9	11.1	11.9	12.6	14.1
142.5°	20.1	20.1	19.3	17.1	14.1	10.4	8.2	8.2	9.7	9.7	11.1
145°	16.3	16.3	15.6	13.4	9.7	6.7	5.2	5.9	7.4	7.4	8.2
147.5°	12.6	12.6	11.9	9.7	6.7	4.5	3.0	4.5	5.2	5.2	5.9
150°	8.9	8.9	8.2	6.7	4.5	2.2	1.5	2.2	3.0	3.7	3.7
152.5°	5.9	5.9	5.2	4.5	2.2	0.7	1.5	2.2	2.2	2.2	3.0
155°	3.7	3.0	3.0	2.2	0.7	0.0	0.7	1.5	1.5	1.5	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.7	0.7	0.7	1.5	1.5
160°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
162.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
165°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
167.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
170°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
172.5°	0.0	0.7	0.7	1.5	0.7	0.0	0.7	0.7	0.7	0.7	0.7
175°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.0	0.7	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



REPORT NUMBER: P415861

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8	257.8
2.5°	259.3	256.3	251.9	247.4	243.0	240.0	237.0	235.5	233.3	231.1	231.1
5°	268.2	262.3	251.9	241.5	231.8	223.6	215.5	211.0	208.0	205.1	205.8
7.5°	284.6	275.6	258.6	241.5	225.9	212.5	201.3	192.4	186.5	182.8	183.5
10°	307.6	297.9	271.9	247.4	225.1	205.8	190.2	177.6	170.1	166.4	166.4
12.5°	344.0	327.6	293.5	258.6	228.8	202.8	182.8	167.9	157.5	153.1	152.3
15°	387.8	364.8	323.2	280.1	237.8	202.8	176.8	166.4	159.7	156.8	156.0
17.5°	439.8	414.6	357.4	300.2	249.6	207.3	185.0	172.4	164.9	162.0	161.2
20°	496.3	466.6	394.5	325.4	261.5	220.7	193.2	177.6	169.4	166.4	166.4
22.5°	565.4	526.0	434.6	347.7	276.4	231.8	201.3	182.0	174.6	171.6	170.9
25°	636.7	592.1	482.2	371.5	292.7	240.7	207.3	186.5	179.1	176.1	176.8
27.5°	720.7	663.5	529.0	395.3	306.8	245.9	210.3	190.2	182.8	180.5	181.3
30°	808.4	736.3	570.6	419.8	316.5	249.6	212.5	193.2	185.0	183.5	183.5
32.5°	901.2	819.5	613.7	441.3	322.4	250.4	212.5	194.7	186.5	185.7	186.5
35°	996.3	899.7	655.3	458.4	325.4	249.6	211.7	196.1	186.5	186.5	186.5
37.5°	1101.8	978.5	690.2	470.3	326.2	247.4	211.0	195.4	186.5	186.5	187.2
40°	1210.3	1062.4	728.9	480.0	325.4	245.9	210.3	195.4	186.5	186.5	187.2
42.5°	1318.0	1140.5	765.3	485.9	323.9	244.4	209.5	195.4	186.5	185.0	185.7
45°	1434.7	1231.1	800.2	489.6	322.4	243.7	209.5	194.7	186.5	183.5	184.3
47.5°	1543.1	1315.1	828.4	494.1	321.7	243.7	210.3	194.7	185.7	182.8	182.8
50°	1665.7	1402.0	857.4	495.6	320.2	243.7	210.3	194.7	185.0	180.5	181.3
52.5°	1786.8	1489.7	885.6	498.5	320.2	244.4	211.0	194.7	184.3	178.3	178.3
55°	1902.7	1567.7	910.9	500.8	320.2	245.9	213.2	194.7	183.5	176.1	176.1
57.5°	2009.0	1647.9	936.1	501.5	320.2	247.4	213.2	195.4	182.8	173.9	173.9
60°	2103.3	1717.0	954.0	502.2	319.5	248.9	214.7	194.7	182.0	171.6	171.6
62.5°	2170.2	1769.8	962.9	500.0	319.5	248.9	215.5	194.7	181.3	170.9	170.1
65°	2208.1	1788.3	957.7	493.3	318.0	248.9	214.7	193.9	179.8	169.4	168.7
67.5°	2195.5	1768.3	935.4	482.9	314.3	248.2	214.7	192.4	179.8	168.7	167.2
70°	2127.1	1708.1	893.1	467.3	309.1	245.2	211.7	190.2	178.3	167.9	166.4
72.5°	1993.4	1587.0	831.4	442.8	300.2	240.7	208.0	186.5	175.3	165.7	163.5
75°	1807.6	1442.8	756.3	417.5	289.0	234.8	203.6	182.8	171.6	162.7	160.5
77.5°	1569.2	1250.4	673.1	384.9	274.9	226.6	197.6	176.8	166.4	158.3	155.3
80°	1321.7	1053.5	583.2	350.7	260.0	216.2	188.7	169.4	159.7	152.3	148.6
82.5°	1069.9	865.6	499.3	318.0	243.0	204.3	179.8	161.2	152.3	144.1	140.4
85°	844.0	684.3	418.3	283.8	225.1	192.4	169.4	151.6	143.4	134.5	130.8
87.5°	656.8	543.1	349.9	252.6	205.8	179.1	158.3	141.9	132.2	124.1	121.1
90°	511.9	428.0	292.7	222.9	188.7	165.7	146.4	131.5	121.8	113.7	110.0
92.5°	390.1	338.8	245.2	196.9	171.6	152.3	135.2	121.1	111.4	102.5	98.8
95°	305.4	269.0	207.3	173.1	154.5	138.2	124.1	110.7	100.3	90.6	88.4
97.5°	237.0	215.5	174.6	151.6	139.7	124.8	112.2	100.3	89.9	80.2	78.0
100°	187.2	171.6	147.9	134.5	124.1	112.2	101.0	90.6	79.5	69.1	68.4
102.5°	147.9	141.2	125.6	118.1	110.0	101.0	91.4	80.2	69.1	59.4	58.7
105°	121.1	115.2	107.7	103.3	98.1	89.9	81.0	71.3	60.2	51.3	51.3
107.5°	98.1	95.1	91.4	90.6	86.9	80.2	72.8	63.2	52.0	44.6	44.6
110°	80.2	79.5	79.5	79.5	77.3	72.1	64.6	55.0	43.8	38.6	38.6



REPORT NUMBER: P415861

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	67.6	67.6	68.4	69.8	68.4	63.2	56.5	47.6	37.9	33.4	33.4
115°	57.2	58.0	60.2	60.9	60.2	56.5	49.8	40.9	31.9	29.0	29.7
117.5°	49.8	49.8	52.8	54.2	53.5	49.8	43.1	34.9	27.5	26.0	26.0
120°	43.1	44.6	46.8	47.6	46.8	43.1	37.9	29.7	23.8	23.0	23.0
122.5°	37.9	38.6	40.9	42.3	40.9	37.9	31.9	25.3	20.1	20.1	20.8
125°	33.4	34.2	35.7	37.1	35.7	31.9	27.5	20.8	17.8	17.8	17.8
127.5°	29.7	30.5	31.9	31.9	30.5	27.5	23.0	17.8	14.9	15.6	15.6
130°	26.0	26.7	27.5	27.5	26.7	23.8	19.3	14.9	13.4	14.1	14.1
132.5°	23.0	23.8	23.8	23.8	22.3	20.1	16.3	12.6	11.9	12.6	12.6
135°	20.1	20.1	20.8	20.1	18.6	16.3	12.6	10.4	10.4	11.1	11.1
137.5°	17.1	17.8	17.8	16.3	14.9	12.6	10.4	8.9	8.9	9.7	9.7
140°	14.1	14.9	14.1	13.4	11.9	10.4	8.2	6.7	7.4	8.2	8.2
142.5°	11.9	11.9	11.9	10.4	8.9	7.4	5.9	5.9	6.7	6.7	7.4
145°	8.9	8.9	8.9	8.2	6.7	5.2	4.5	4.5	5.2	5.9	5.9
147.5°	6.7	6.7	6.7	5.9	4.5	3.7	3.0	3.7	4.5	5.2	4.5
150°	4.5	4.5	4.5	3.7	3.0	2.2	2.2	3.0	3.7	3.7	3.7
152.5°	3.0	3.0	3.0	3.0	2.2	0.7	1.5	2.2	3.0	3.0	3.0
155°	2.2	2.2	2.2	2.2	1.5	0.0	0.7	1.5	2.2	2.2	2.2
157.5°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	1.5	1.5	1.5	1.5
160°	0.7	1.5	1.5	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0
165°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
167.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
170°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
172.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
175°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.7	0.7	0.0	0.0
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7

(END OF REPORT)