

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: P415870

Luminaire Tested: **LXF.LXT-PA1-60-730-U-T2R-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415870
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-PA1-60-730-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 800mA 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: 6123 lumens
Efficiency: N/A
Efficacy: 95.7 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

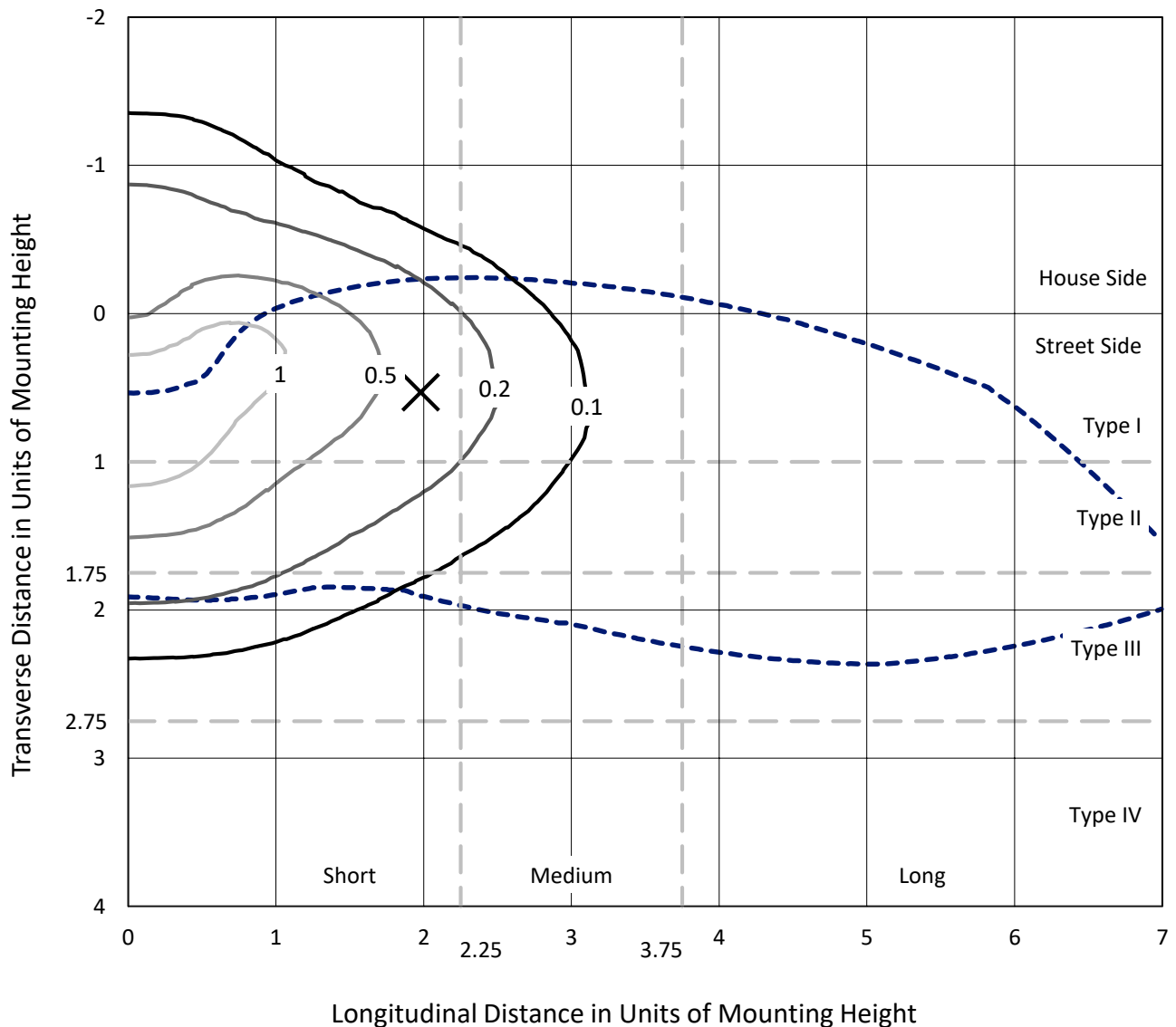
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

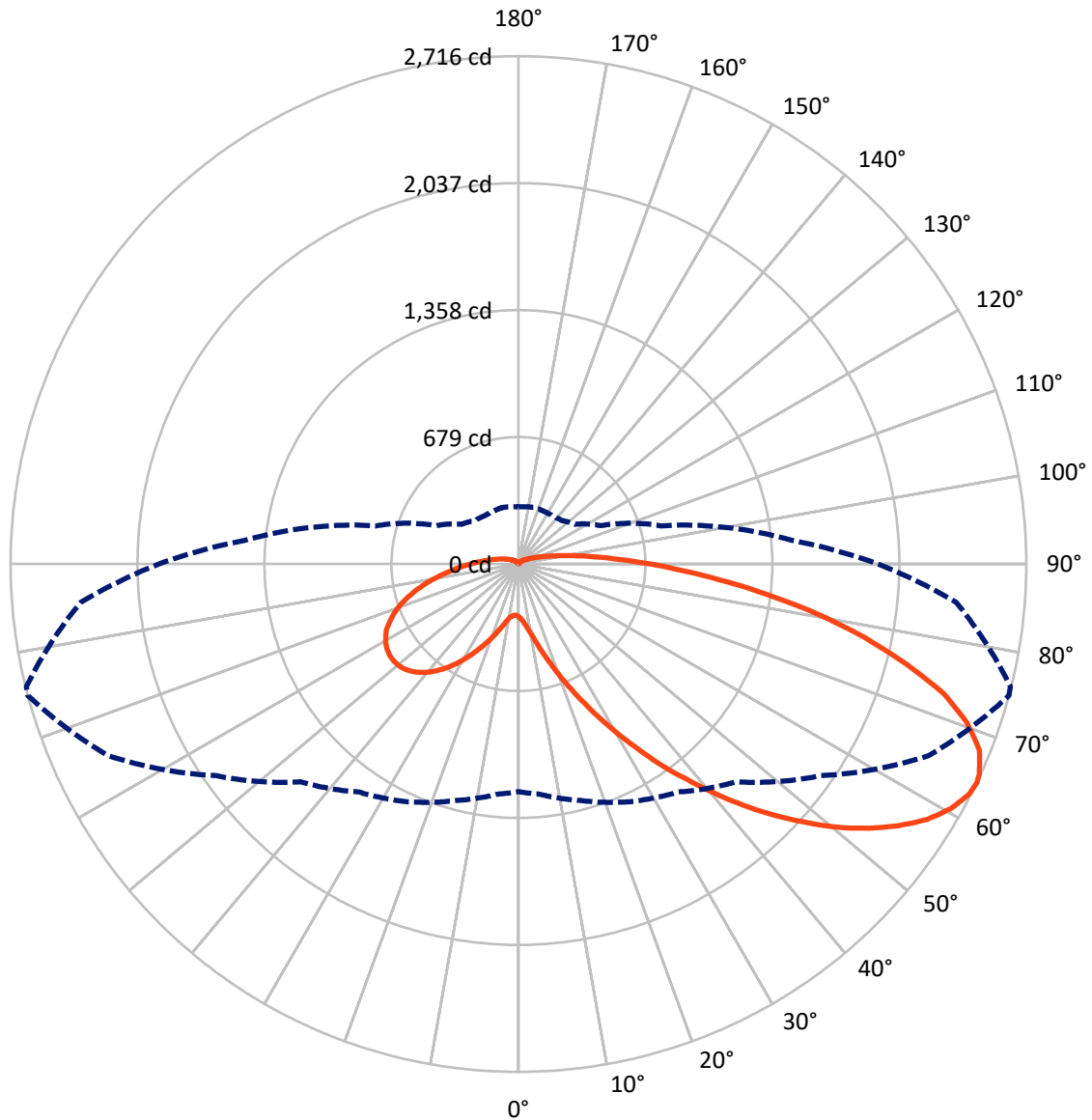


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P415870

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P415870

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1350.5	177.8	1528.3
	% Fixture	22.1	2.9	25.0
Street Side	Lumens	4324.1	270.6	4594.6
	% Fixture	70.6	4.4	75.0
Total	Lumens	5674.6	448.4	6123.0
	% Fixture	92.7	7.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.7	0.5
10°-20°	123.5	2.0
20°-30°	312.6	5.1
30°-40°	612.3	10.0
40°-50°	952.6	15.6
50°-60°	1168.2	19.1
60°-70°	1135.6	18.5
70°-80°	856.4	14.0
80°-90°	483.6	7.9
90°-100°	228.1	3.7
100°-110°	110.2	1.8
110°-120°	57.8	0.9
120°-130°	31.1	0.5
130°-140°	15.2	0.2
140°-150°	5.2	0.1
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5674.6	92.7
0°-180°	6123.0	100.0



REPORT NUMBER: P415870

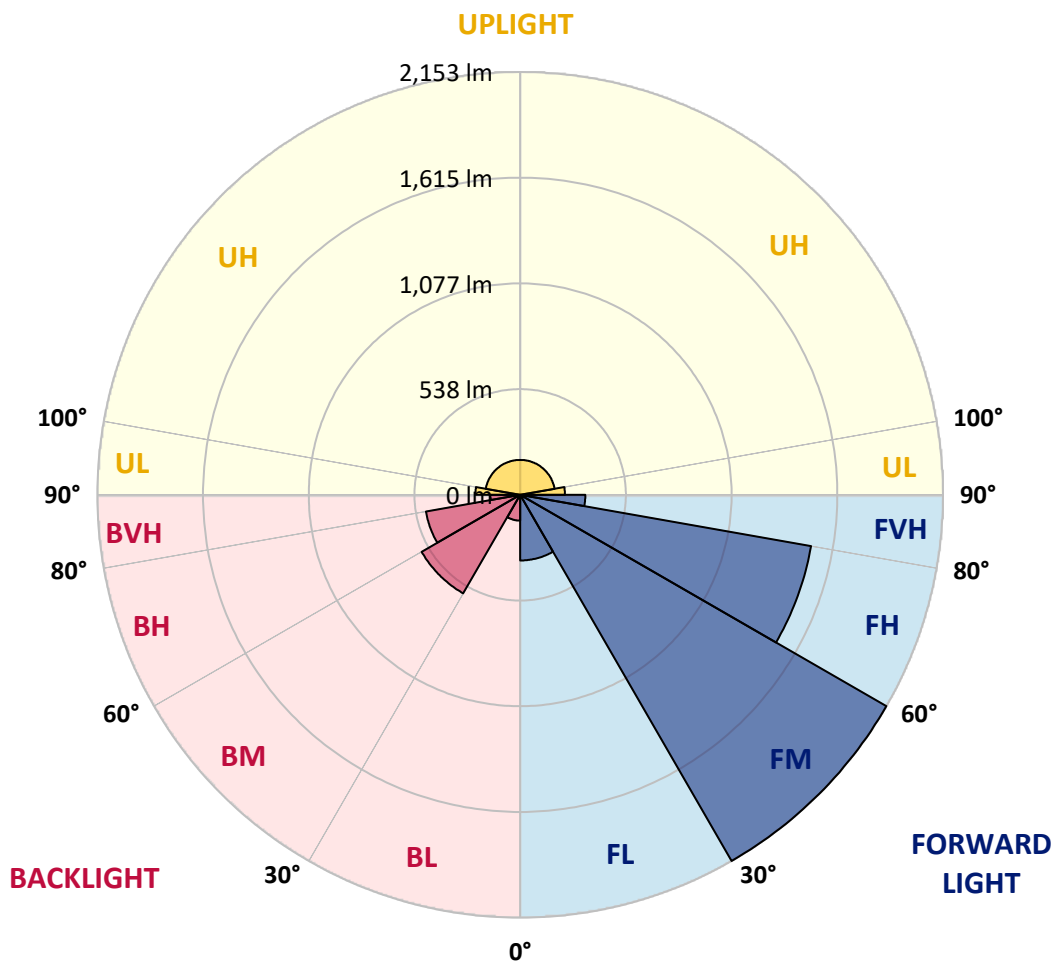
CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	334.5	5.5			
FM	(30°-60°)	2153.5	35.2			
FH	(60°-80°)	1504.4	24.6			G1/1800
FVH	(80°-90°)	331.7	5.4			G3/500
BL	(0°-30°)	131.4	2.1	B1/500		
BM	(30°-60°)	579.6	9.5	B1/1000		
BH	(60°-80°)	487.6	8.0	B1/500		G1/500
BVH	(80°-90°)	151.9	2.5			G2/225
UL	(90°-100°)	228.1	3.7		U3/500	
UH	(100°-180°)	177.8	2.9		U3/500	

BUG Rating: B1-U3-G3

Type III Short





REPORT NUMBER: P415870

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
2.5°	329.1	326.1	324.7	323.9	318.7	313.5	307.6	301.6	294.9	293.5	287.5
5°	380.4	376.7	375.2	370.7	363.3	354.4	341.7	329.9	315.0	315.7	302.4
7.5°	439.1	436.1	431.6	424.9	413.8	401.9	383.3	365.5	345.5	343.2	323.9
10°	505.9	503.7	499.2	488.8	474.7	454.7	436.1	409.3	381.1	379.6	351.4
12.5°	586.2	583.2	570.6	560.2	541.6	523.0	494.8	462.8	432.4	428.7	393.7
15°	676.8	672.3	663.4	647.1	627.0	596.6	566.8	534.9	494.8	488.1	447.2
17.5°	769.7	769.7	758.5	739.2	711.7	685.0	652.3	612.2	561.6	560.9	506.7
20°	886.3	884.8	867.7	839.5	812.0	783.8	744.4	699.1	642.6	637.4	571.3
22.5°	1012.6	1011.1	990.3	959.8	924.2	884.1	840.2	792.7	731.0	724.3	647.1
25°	1149.3	1148.5	1127.0	1080.2	1034.9	997.0	951.7	898.9	827.6	826.1	733.3
27.5°	1315.7	1307.5	1274.1	1216.9	1159.7	1110.7	1057.9	1010.4	939.0	927.9	824.6
30°	1476.2	1471.7	1426.4	1364.7	1286.0	1221.4	1167.9	1131.5	1057.9	1047.5	931.6
32.5°	1641.8	1638.9	1583.9	1512.6	1415.3	1335.0	1293.4	1254.0	1183.5	1179.0	1037.1
35°	1825.3	1813.5	1750.3	1652.2	1539.3	1449.4	1412.3	1394.5	1324.6	1308.3	1153.0
37.5°	1975.4	1966.5	1909.3	1789.7	1656.7	1560.1	1531.9	1520.0	1459.8	1453.1	1278.6
40°	2120.3	2113.6	2043.8	1914.5	1762.9	1666.4	1638.1	1658.2	1609.9	1599.5	1404.9
42.5°	2225.0	2216.1	2151.5	2014.0	1855.1	1753.3	1752.5	1798.6	1763.7	1752.5	1535.6
45°	2287.4	2278.5	2225.0	2092.8	1927.1	1829.1	1846.1	1927.1	1916.7	1903.4	1655.2
47.5°	2293.4	2288.2	2249.6	2127.0	1971.0	1888.5	1937.5	2053.4	2064.6	2051.9	1783.0
50°	2239.2	2244.4	2219.8	2122.5	1986.6	1927.1	2011.8	2173.0	2213.9	2199.0	1910.0
52.5°	2136.6	2130.7	2141.1	2072.0	1970.2	1940.5	2062.3	2273.3	2348.4	2333.5	2027.4
55°	1965.8	1970.2	2006.6	1980.6	1919.0	1924.9	2092.8	2352.8	2470.2	2458.3	2133.7
57.5°	1786.0	1775.6	1840.9	1845.4	1828.3	1883.3	2096.5	2413.0	2577.9	2565.3	2225.0
60°	1550.5	1575.7	1634.4	1684.9	1714.7	1814.2	2072.0	2444.2	2656.7	2653.0	2298.6
62.5°	1346.9	1352.1	1431.6	1508.1	1579.4	1716.9	2017.8	2443.5	2707.9	2703.5	2342.4
64°	1217.6	1234.7	1309.8	1402.6	1488.1	1647.0	1973.2	2422.7	2716.1	2712.4	2349.8
65°	1147.1	1144.8	1234.7	1328.3	1420.5	1594.3	1927.9	2400.4	2708.7	2708.7	2346.9
67.5°	953.2	960.6	1039.3	1147.1	1260.7	1454.6	1812.0	2320.9	2659.6	2664.8	2303.8
70°	786.0	797.1	883.3	979.2	1104.7	1314.2	1668.6	2177.5	2544.5	2551.9	2210.9
72.5°	648.6	661.2	724.3	820.9	959.8	1166.4	1506.6	1997.7	2381.8	2384.8	2055.7
75°	527.5	541.6	605.5	689.4	809.8	1007.4	1329.8	1802.3	2144.8	2159.7	1855.1
77.5°	429.4	444.3	503.0	578.7	693.1	861.8	1154.5	1576.5	1893.0	1901.9	1625.5
80°	346.9	362.5	414.5	485.9	585.4	734.0	990.3	1345.4	1621.0	1621.0	1389.3
82.5°	281.6	294.9	341.7	403.4	494.0	619.6	832.1	1118.1	1340.2	1341.0	1147.8
85°	227.3	235.5	281.6	335.8	410.8	519.3	687.9	910.1	1080.9	1065.3	924.9
87.5°	182.8	190.2	228.8	281.6	341.0	433.1	564.6	740.7	849.9	855.1	738.5
90°	147.1	151.6	187.2	231.8	286.8	358.1	459.1	589.1	668.6	661.9	578.7
92.5°	119.6	124.8	155.3	195.4	241.4	300.9	378.1	466.6	517.8	519.3	452.4
95°	98.1	101.0	129.3	164.9	206.5	251.8	308.3	371.5	406.4	401.9	352.1
97.5°	81.7	83.2	109.2	141.2	175.3	212.5	257.0	295.7	315.0	312.0	275.6
100°	69.1	70.6	92.9	122.6	151.6	181.3	212.5	238.5	245.2	241.4	216.9
102.5°	60.2	60.9	79.5	106.2	130.8	155.3	176.8	193.2	192.4	192.4	171.6
105°	52.7	53.5	69.1	92.9	115.2	134.5	149.3	157.5	154.5	153.0	137.4
107.5°	47.5	48.3	60.9	81.7	101.8	116.6	127.8	130.0	124.1	122.6	111.4



REPORT NUMBER: P415870

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	43.1	43.1	53.5	72.1	89.9	101.8	109.2	109.2	100.3	99.6	92.1
112.5°	39.4	40.1	48.3	63.9	79.5	89.9	94.4	90.6	82.5	81.7	78.0
115°	36.4	37.1	43.1	57.2	70.6	79.5	81.7	76.5	68.3	67.6	64.6
117.5°	34.2	34.9	39.4	50.5	63.1	69.8	70.6	65.4	57.2	56.5	55.7
120°	32.7	32.7	36.4	45.3	55.7	61.7	60.9	55.7	49.0	48.3	48.3
122.5°	31.2	31.2	33.4	40.1	49.0	54.2	53.5	47.5	41.6	41.6	41.6
125°	29.7	29.7	31.2	36.4	43.8	47.5	46.1	40.9	35.7	35.7	37.1
127.5°	28.2	28.2	29.0	31.9	38.6	40.9	39.4	34.2	31.2	31.2	31.9
130°	26.7	26.7	26.7	29.0	33.4	34.9	33.4	29.0	26.7	26.7	28.2
132.5°	25.3	25.3	25.3	25.3	28.2	29.7	27.5	23.8	23.0	23.8	24.5
135°	23.8	23.8	23.0	22.3	23.8	24.5	22.3	20.1	20.1	20.1	21.5
137.5°	22.3	21.5	20.8	20.1	19.3	19.3	17.8	15.6	17.1	17.1	18.6
140°	20.1	19.3	18.6	17.1	15.6	14.9	13.4	12.6	14.1	14.1	14.9
142.5°	17.8	17.1	16.3	14.1	11.9	10.4	8.9	9.7	11.1	11.1	11.9
145°	14.9	14.9	13.4	11.1	8.9	7.4	5.9	6.7	8.2	8.2	8.9
147.5°	12.6	11.9	11.1	8.9	5.9	4.5	3.0	4.5	5.9	5.9	6.7
150°	9.7	8.9	8.2	5.9	3.7	1.5	1.5	3.0	3.7	3.7	4.5
152.5°	6.7	6.7	5.9	3.7	1.5	0.0	0.7	1.5	2.2	2.2	3.0
155°	4.5	3.7	3.0	2.2	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	2.2	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	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: P415870

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3	282.3
2.5°	283.8	280.8	274.1	268.2	262.2	257.0	254.1	250.4	249.6	248.9	248.9
5°	294.2	287.5	274.1	261.5	249.6	240.0	232.5	225.1	221.4	219.9	219.2
7.5°	312.0	301.6	280.1	260.8	242.9	228.1	216.2	207.3	202.1	199.1	198.4
10°	336.5	321.7	292.0	265.2	241.4	222.1	207.3	196.9	190.2	187.2	186.5
12.5°	375.2	351.4	314.3	276.4	245.2	221.4	204.3	193.2	190.2	187.2	187.2
15°	419.0	395.2	344.0	297.2	257.0	225.8	211.0	203.6	199.1	196.9	196.1
17.5°	475.5	439.1	377.4	319.5	271.9	242.2	222.9	214.7	210.2	208.0	207.3
20°	533.4	490.3	414.5	344.0	292.0	261.5	238.5	225.8	221.4	219.2	218.4
22.5°	602.5	550.5	453.2	370.0	315.0	279.3	253.3	238.5	233.3	231.0	231.8
25°	673.1	617.4	494.8	397.5	336.5	294.2	267.4	250.4	246.6	243.7	243.7
27.5°	759.3	685.0	537.1	428.7	355.1	307.6	280.1	263.0	256.3	256.3	255.6
30°	849.9	757.0	583.2	455.4	371.5	319.5	289.7	274.1	267.4	266.7	266.7
32.5°	938.3	834.3	628.5	482.2	384.1	327.6	298.7	283.8	275.6	274.9	275.6
35°	1041.6	913.0	670.9	503.7	395.2	334.3	305.3	292.0	283.1	282.3	282.3
37.5°	1139.6	994.0	711.7	520.8	402.7	338.8	310.5	298.7	289.0	288.3	287.5
40°	1242.2	1070.5	748.9	534.9	406.4	341.7	313.5	303.1	294.2	291.2	291.2
42.5°	1346.2	1147.8	780.1	543.1	408.6	342.5	315.7	306.1	297.9	292.7	292.7
45°	1443.5	1213.9	806.1	547.5	408.6	343.2	317.2	308.3	300.9	294.2	293.5
47.5°	1550.5	1280.8	826.1	548.3	406.4	341.7	318.0	310.5	302.4	294.9	294.2
50°	1644.1	1343.9	838.8	546.0	403.4	341.0	318.7	311.3	304.6	295.7	295.7
52.5°	1726.5	1394.5	844.7	540.1	399.7	339.5	318.7	312.8	306.8	297.2	296.4
55°	1799.3	1433.8	844.0	531.2	393.7	337.3	318.0	312.8	308.3	297.9	297.9
57.5°	1861.7	1461.3	837.3	520.8	387.8	335.8	318.0	313.5	309.8	300.1	300.1
60°	1904.1	1476.9	823.9	508.2	381.9	332.8	317.2	314.3	312.0	302.4	303.1
62.5°	1924.2	1474.7	803.1	494.8	375.2	329.9	315.7	313.5	312.8	305.3	305.3
64°	1922.7	1464.3	789.0	485.1	370.7	328.4	315.0	312.8	313.5	306.8	306.8
65°	1913.0	1449.4	774.1	477.7	367.0	326.9	313.5	312.0	313.5	306.8	306.8
67.5°	1866.2	1403.4	736.2	459.1	357.3	320.2	309.1	308.3	310.5	306.1	305.3
70°	1773.3	1330.6	695.4	435.3	345.5	312.8	302.4	301.6	304.6	300.9	299.4
72.5°	1647.0	1229.5	645.6	410.8	331.3	302.4	293.5	292.7	294.2	292.0	289.7
75°	1488.1	1110.7	589.9	383.3	315.7	289.0	280.8	279.3	281.6	278.6	277.1
77.5°	1311.2	979.2	531.2	354.4	295.7	274.1	266.0	263.7	263.7	260.0	256.3
80°	1116.6	844.7	472.5	324.7	274.9	255.6	248.9	245.9	243.7	237.7	234.0
82.5°	932.4	718.4	412.3	294.2	252.6	235.5	228.8	225.1	219.9	212.5	207.3
85°	758.5	598.0	357.3	261.5	230.3	214.0	208.8	202.1	195.4	187.2	180.5
87.5°	609.2	489.6	308.3	232.5	205.0	192.4	186.5	177.6	170.9	162.0	156.0
90°	483.6	401.2	263.7	204.3	182.8	171.6	166.4	157.5	147.8	138.2	133.0
92.5°	390.0	326.9	227.3	180.5	163.4	153.8	147.1	138.2	127.0	117.4	113.7
95°	309.8	264.5	193.9	159.7	144.9	136.0	129.3	121.1	109.2	98.1	95.1
97.5°	245.2	217.7	165.7	140.4	128.5	121.1	113.7	106.2	94.4	83.2	81.7
100°	196.9	176.8	141.9	124.1	113.7	107.0	101.0	92.9	81.7	69.8	69.8
102.5°	159.0	146.4	121.8	109.2	101.0	95.1	89.1	81.7	70.6	60.2	59.4
105°	130.0	121.1	104.8	96.6	89.9	85.4	79.5	71.3	60.9	51.3	50.5
107.5°	108.5	100.3	90.6	85.4	80.2	75.8	71.3	63.1	52.7	44.6	44.6



REPORT NUMBER: P415870

CATALOG NUMBER: LXF.LXT-PA1-60-730-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	89.1	86.2	78.7	75.0	72.1	67.6	63.1	55.0	45.3	39.4	39.4
112.5°	75.8	72.8	69.1	66.9	63.9	60.9	55.7	48.3	39.4	34.9	34.9
115°	63.9	62.4	60.2	58.7	57.2	54.2	49.0	41.6	33.4	30.5	31.2
117.5°	55.7	55.0	53.5	52.7	51.3	47.5	43.1	36.4	29.0	27.5	27.5
120°	48.3	48.3	46.8	46.8	45.3	42.3	37.1	31.2	25.3	24.5	24.5
122.5°	42.3	42.3	41.6	41.6	40.1	37.1	32.7	26.7	21.5	21.5	22.3
125°	37.1	37.1	36.4	36.4	35.7	32.7	28.2	23.0	19.3	19.3	19.3
127.5°	32.7	32.7	32.7	31.9	30.5	28.2	23.8	19.3	17.1	17.1	17.1
130°	29.0	29.0	28.2	28.2	26.7	23.8	20.1	16.3	14.1	15.6	15.6
132.5°	25.3	25.3	25.3	23.8	22.3	20.1	16.3	13.4	12.6	13.4	13.4
135°	21.5	22.3	21.5	20.8	19.3	16.3	13.4	11.1	11.1	11.9	11.9
137.5°	18.6	18.6	18.6	17.1	15.6	13.4	10.4	8.9	9.7	10.4	10.4
140°	15.6	15.6	14.9	14.1	12.6	10.4	8.2	6.7	8.2	8.9	8.9
142.5°	12.6	12.6	11.9	11.1	8.9	7.4	5.2	5.2	6.7	7.4	7.4
145°	9.7	9.7	8.9	8.2	6.7	4.5	3.7	4.5	5.9	5.9	5.9
147.5°	6.7	6.7	6.7	5.2	3.7	2.2	1.5	3.0	4.5	4.5	5.2
150°	4.5	4.5	4.5	3.7	2.2	0.7	0.7	2.2	3.0	3.7	3.7
152.5°	3.0	3.0	3.0	2.2	1.5	0.0	0.0	1.5	2.2	2.2	2.2
155°	1.5	1.5	1.5	1.5	0.7	0.0	0.0	0.7	1.5	1.5	1.5
157.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.5	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	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)