

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: P415533

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T4W-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415533
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-PA1-50-740-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA 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: 5950 lumens
Efficiency: N/A
Efficacy: 110.2 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: B2 - 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

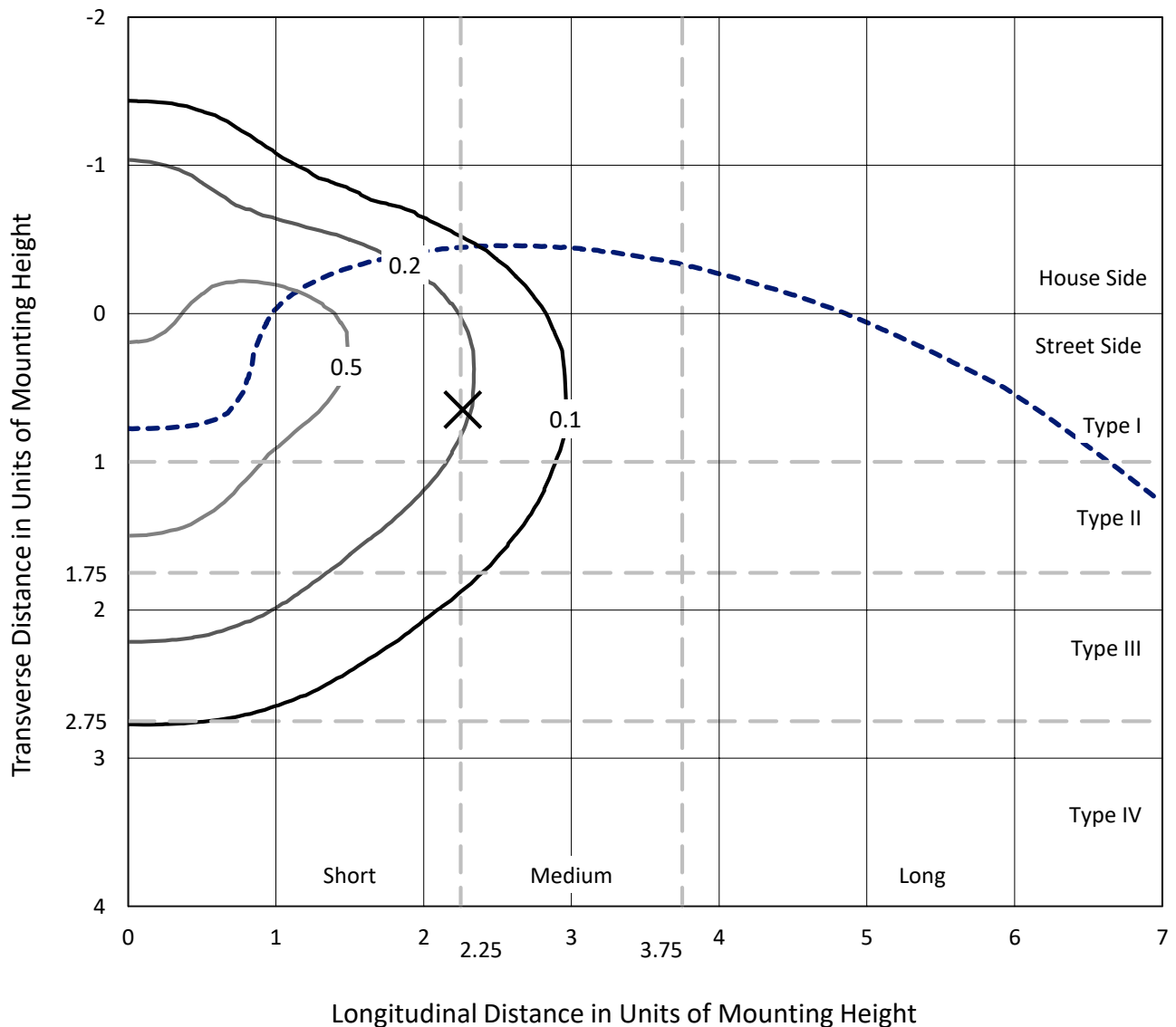


REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

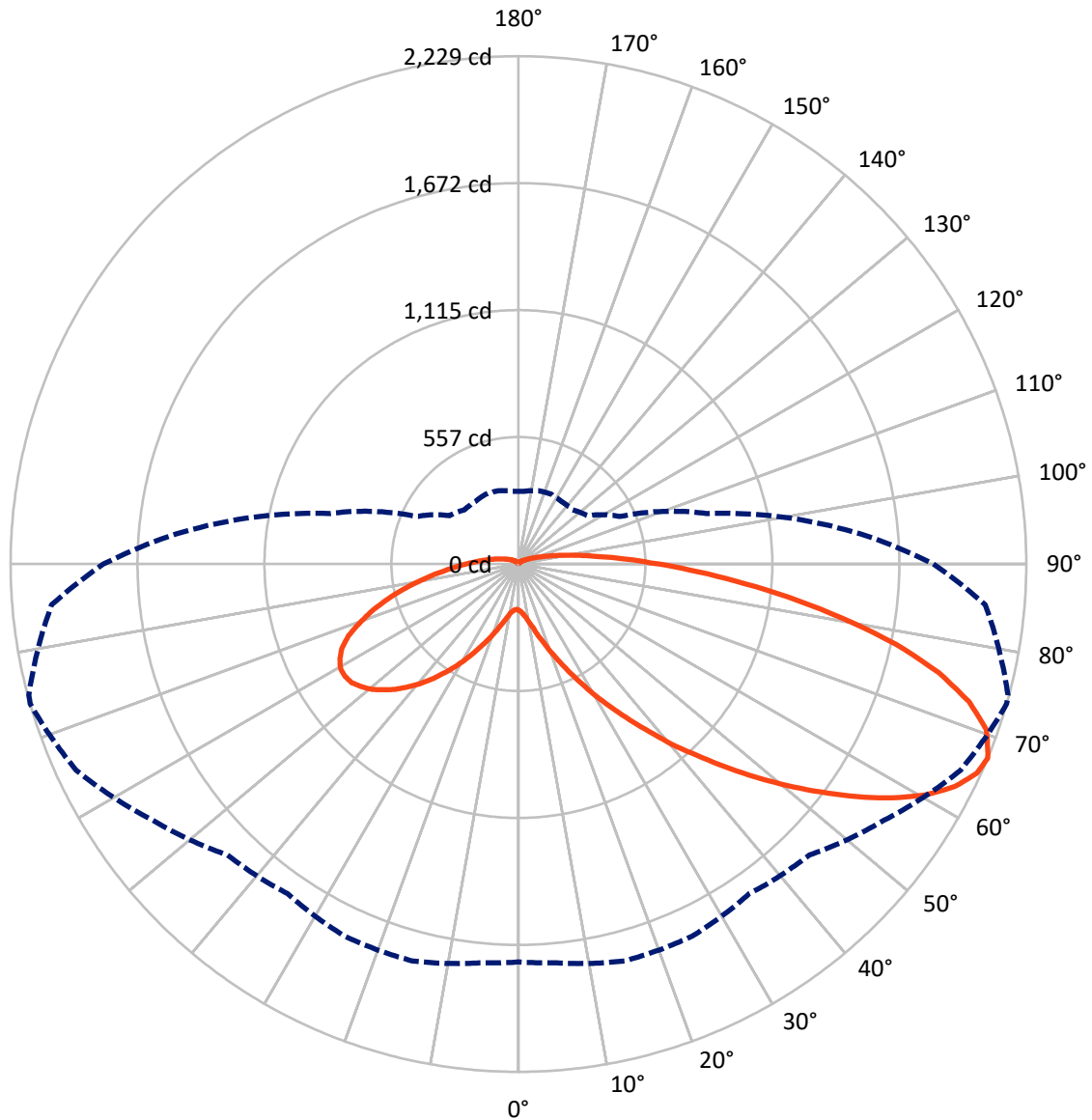


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1387.5	166.8	1554.2
	% Fixture	23.3	2.8	26.1
Street Side	Lumens	4015.3	380.4	4395.8
	% Fixture	67.5	6.4	73.9
Total	Lumens	5402.8	547.2	5950.0
	% Fixture	90.8	9.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	0.4
10°-20°	86.7	1.5
20°-30°	215.3	3.6
30°-40°	420.5	7.1
40°-50°	695.4	11.7
50°-60°	1007.9	16.9
60°-70°	1219.9	20.5
70°-80°	1084.5	18.2
80°-90°	651.5	10.9
90°-100°	299.1	5.0
100°-110°	133.2	2.2
110°-120°	63.6	1.1
120°-130°	31.5	0.5
130°-140°	14.4	0.2
140°-150°	4.7	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5402.8	90.8
0°-180°	5950.0	100.0



REPORT NUMBER: P415533

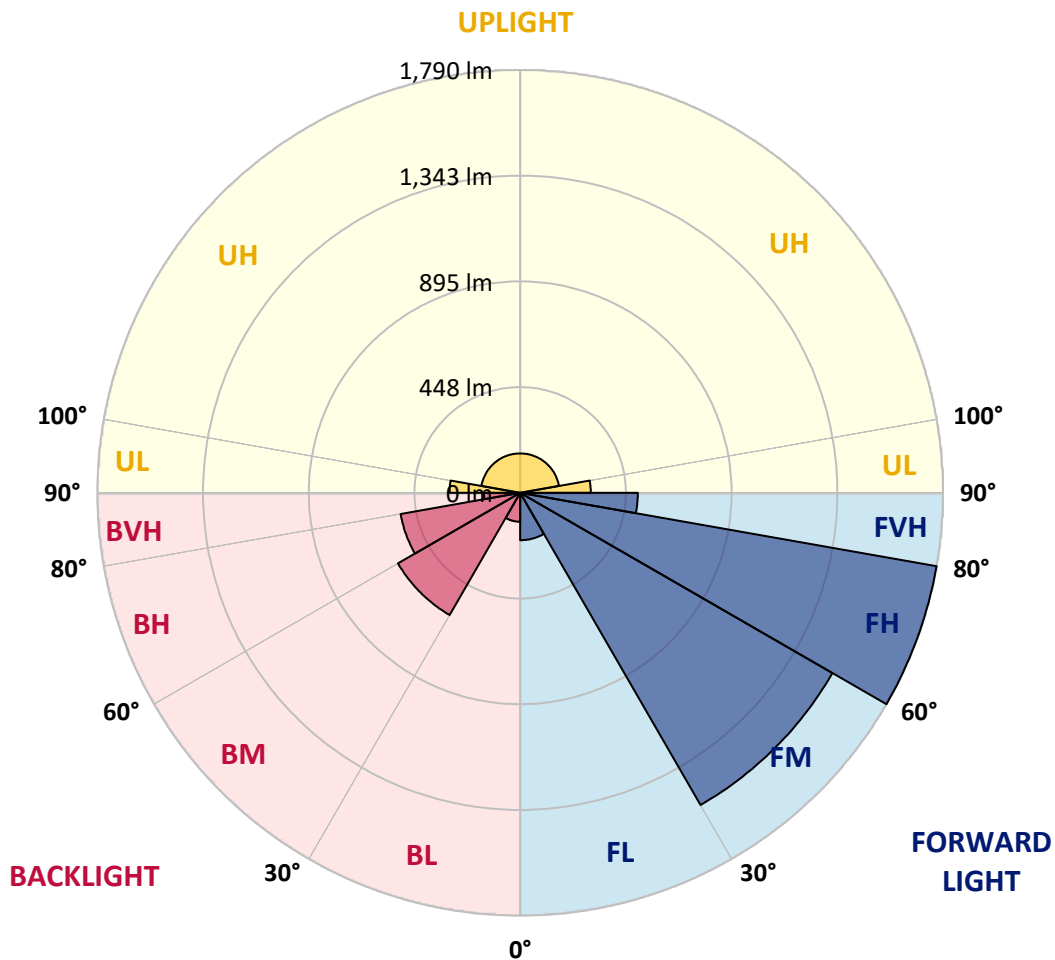
CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.6	3.4			
FM	(30°-60°)	1526.5	25.7			
FH	(60°-80°)	1790.2	30.1			G1/1800
FVH	(80°-90°)	497.9	8.4			G3/500
BL	(0°-30°)	122.6	2.1	B1/500		
BM	(30°-60°)	597.2	10.0	B1/1000		
BH	(60°-80°)	514.1	8.6	B2/1000		G2/1000
BVH	(80°-90°)	153.5	2.6			G2/225
UL	(90°-100°)	299.1	5.0		U3/500	
UH	(100°-180°)	166.8	2.8		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7
2.5°	223.8	221.7	221.7	220.3	219.6	217.5	216.1	211.1	209.0	209.0	205.5
5°	247.8	246.4	243.6	243.6	240.8	238.0	232.3	226.0	221.0	220.3	213.9
7.5°	277.5	274.0	274.0	270.4	266.2	261.3	253.5	245.0	237.2	236.5	226.7
10°	311.4	310.0	308.6	303.6	298.0	288.1	281.0	269.0	259.8	259.1	245.7
12.5°	353.0	350.9	346.7	341.8	331.9	324.8	312.1	298.7	286.7	287.4	271.8
15°	398.2	396.8	394.0	386.2	374.9	365.1	352.3	338.2	326.2	321.3	305.0
17.5°	449.8	447.0	443.4	435.0	422.2	412.4	395.4	382.0	366.5	367.2	343.9
20°	510.5	507.7	502.7	489.3	478.0	464.6	447.0	432.1	414.5	413.1	389.8
22.5°	570.5	571.9	559.9	545.8	535.2	519.7	502.7	483.7	468.1	466.7	439.9
25°	644.7	639.7	627.7	611.5	595.2	576.2	561.3	544.4	529.6	528.2	496.4
27.5°	722.3	718.1	701.9	681.4	659.5	638.3	625.6	608.0	596.7	594.5	562.1
30°	807.1	800.0	785.2	757.6	727.3	703.3	690.6	684.2	673.6	670.8	637.6
32.5°	902.4	893.2	871.3	838.1	794.4	767.5	761.9	756.2	752.0	747.8	716.7
35°	997.0	994.2	961.7	920.8	877.7	842.4	832.5	841.7	838.8	836.0	802.8
37.5°	1096.6	1101.5	1066.2	1012.5	953.2	915.8	908.7	925.7	933.5	933.5	893.9
40°	1213.8	1209.5	1174.2	1108.6	1039.4	995.6	997.7	1023.1	1042.2	1038.0	999.1
42.5°	1330.3	1321.1	1274.5	1210.3	1122.7	1078.9	1078.9	1117.8	1146.7	1147.4	1106.5
45°	1444.7	1434.8	1391.0	1307.0	1211.7	1164.4	1174.2	1221.6	1268.9	1262.5	1222.3
47.5°	1549.2	1544.9	1499.8	1410.1	1302.8	1253.3	1273.1	1343.7	1395.3	1395.3	1350.8
50°	1651.6	1645.9	1603.5	1502.6	1394.5	1345.8	1375.5	1461.6	1527.3	1530.8	1479.3
52.5°	1739.8	1736.3	1696.8	1596.5	1484.9	1435.5	1480.0	1588.0	1663.6	1671.3	1617.0
55°	1803.4	1805.5	1775.1	1679.8	1566.8	1525.9	1586.6	1713.7	1803.4	1804.8	1746.2
57.5°	1850.0	1852.8	1832.3	1749.7	1638.9	1607.8	1689.7	1835.1	1936.8	1943.2	1866.2
60°	1869.7	1874.7	1868.3	1799.1	1703.1	1683.3	1782.2	1943.9	2056.9	2059.0	1966.5
62.5°	1859.2	1864.1	1876.8	1827.4	1749.7	1749.0	1871.9	2038.5	2150.8	2153.6	2042.7
65°	1811.1	1818.9	1850.7	1827.4	1766.7	1790.0	1931.2	2111.2	2212.2	2215.7	2072.4
67°	1746.9	1756.8	1803.4	1802.7	1766.7	1806.2	1960.1	2141.6	2229.2	2224.9	2056.9
67.5°	1732.1	1741.9	1788.5	1795.6	1761.7	1808.3	1963.7	2145.1	2222.8	2222.1	2047.0
70°	1606.4	1624.0	1691.8	1725.7	1725.0	1791.4	1962.2	2126.1	2179.7	2172.7	1964.4
72.5°	1461.6	1483.5	1566.1	1631.1	1652.3	1738.4	1910.7	2050.5	2068.2	2059.7	1809.7
75°	1312.6	1324.6	1410.8	1503.3	1556.9	1648.7	1814.0	1930.5	1905.8	1885.3	1616.3
77.5°	1155.2	1160.1	1256.1	1359.9	1424.9	1530.8	1669.9	1754.7	1693.9	1677.0	1396.0
80°	972.3	992.8	1088.8	1196.8	1277.3	1373.4	1490.6	1541.4	1439.7	1424.2	1161.5
82.5°	822.6	835.3	922.9	1028.8	1119.2	1209.5	1285.8	1299.2	1192.6	1181.3	933.5
85°	671.5	682.8	774.6	872.7	957.5	1033.0	1083.9	1064.1	953.2	941.2	737.9
87.5°	555.7	564.2	627.7	727.3	802.1	856.5	883.3	858.6	752.7	735.8	569.8
90°	440.6	453.3	510.5	594.5	670.8	706.1	708.9	668.0	581.1	568.4	436.4
92.5°	355.9	364.3	418.7	488.6	548.6	575.5	568.4	533.8	454.0	439.2	337.5
95°	288.1	295.1	340.3	401.8	450.5	475.2	455.4	409.5	346.7	341.0	260.6
97.5°	239.4	240.8	276.1	331.2	370.0	382.7	367.2	325.5	271.1	259.8	199.8
100°	195.6	197.0	226.7	268.3	303.6	312.1	296.6	256.3	210.4	203.4	156.8
102.5°	158.9	162.4	185.0	222.4	248.5	254.9	238.7	203.4	162.4	157.5	122.2
105°	134.9	135.6	155.3	183.6	206.9	211.8	195.6	165.2	127.8	125.0	97.4
107.5°	114.4	114.4	129.9	154.6	173.0	175.8	163.1	134.9	101.0	98.1	79.1



REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	98.1	98.9	110.2	129.9	146.9	149.0	136.3	108.0	80.5	78.4	64.3
112.5°	85.4	86.9	94.6	110.2	125.0	127.1	114.4	88.3	65.7	62.8	53.7
115°	75.6	76.3	81.9	94.6	106.6	108.0	95.3	72.7	53.0	50.8	45.2
117.5°	67.1	67.8	72.0	82.6	91.8	92.5	79.8	60.0	44.5	42.4	39.5
120°	60.7	60.7	64.3	71.3	79.1	79.1	67.1	49.4	36.7	36.0	33.9
122.5°	55.1	55.1	57.2	62.1	67.8	66.4	55.8	41.0	31.1	30.4	29.7
125°	50.1	50.1	51.5	54.4	57.9	55.8	45.9	33.9	26.8	26.1	26.1
127.5°	45.2	45.2	45.9	48.0	48.7	46.6	38.1	28.2	23.3	22.6	23.3
130°	41.0	41.0	41.0	41.0	41.0	39.5	31.1	23.3	19.8	19.8	20.5
132.5°	36.7	36.7	36.0	35.3	34.6	31.8	25.4	19.1	17.7	17.7	18.4
135°	32.5	32.5	31.8	30.4	28.2	24.7	19.1	15.5	14.8	14.8	15.5
137.5°	28.2	28.2	27.5	25.4	22.6	19.1	14.8	12.7	12.7	12.7	13.4
140°	24.0	24.0	23.3	21.2	17.7	14.1	11.3	9.9	10.6	10.6	11.3
142.5°	20.5	19.8	19.1	16.9	13.4	9.9	7.8	7.8	8.5	8.5	9.2
145°	16.2	15.5	14.8	12.7	9.9	7.1	5.6	5.6	6.4	6.4	7.1
147.5°	12.7	12.0	11.3	9.2	7.1	4.9	3.5	4.2	4.9	4.9	4.9
150°	8.5	8.5	8.5	7.1	4.2	2.8	2.1	2.8	2.8	2.8	3.5
152.5°	5.6	5.6	5.6	4.2	2.8	1.4	1.4	1.4	2.1	2.1	2.1
155°	3.5	3.5	3.5	2.8	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: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7	202.7
2.5°	204.1	202.7	199.8	197.7	195.6	193.5	191.4	189.9	187.8	187.8	187.8
5°	211.1	207.6	201.9	197.7	192.8	189.2	185.0	182.2	180.1	179.3	179.3
7.5°	223.1	218.2	209.7	201.2	194.2	188.5	183.6	180.1	177.2	176.5	176.5
10°	240.1	233.7	220.3	210.4	201.2	193.5	187.1	182.2	180.1	178.6	178.6
12.5°	264.8	256.3	240.8	223.8	211.8	201.9	194.2	192.1	192.1	192.8	192.1
15°	294.4	286.0	264.8	245.0	227.4	216.1	211.8	211.8	211.1	212.5	212.5
17.5°	331.9	319.9	294.4	268.3	247.8	237.2	233.0	231.6	233.0	235.1	233.7
20°	376.4	358.7	326.9	294.4	272.6	262.0	254.9	253.5	255.6	257.0	257.7
22.5°	423.0	403.9	363.6	322.0	299.4	285.3	277.5	275.4	278.9	282.4	283.1
25°	475.9	454.7	403.2	355.2	323.4	304.3	297.3	296.6	302.2	307.2	307.2
27.5°	540.2	511.9	446.3	391.2	350.2	324.8	317.0	317.7	325.5	329.7	331.2
30°	607.2	575.5	495.7	424.4	371.4	341.0	332.6	336.1	343.9	352.3	353.8
32.5°	682.8	645.4	543.7	457.6	390.5	353.8	344.6	351.6	360.1	370.0	371.4
35°	761.9	711.7	593.1	487.9	406.0	363.6	353.0	361.5	372.1	381.3	384.1
37.5°	851.6	792.2	646.8	512.6	418.0	369.3	358.0	367.9	379.9	389.1	389.8
40°	943.3	874.9	697.6	535.9	426.5	372.8	360.8	370.7	382.0	389.8	390.5
42.5°	1039.4	958.9	744.9	555.0	430.7	372.8	359.4	369.3	379.9	384.1	384.8
45°	1151.6	1047.9	793.7	568.4	432.1	371.4	357.3	365.1	372.8	374.2	376.4
47.5°	1264.6	1136.1	835.3	578.3	431.4	367.9	353.8	360.1	365.1	363.6	365.8
50°	1384.0	1232.1	875.6	584.6	427.9	364.3	348.8	354.5	355.9	351.6	351.6
52.5°	1498.3	1315.5	906.6	585.4	423.0	360.1	345.3	349.5	348.8	341.0	341.8
55°	1612.7	1404.4	932.8	579.0	415.9	355.9	341.8	344.6	342.5	333.3	331.9
57.5°	1710.9	1476.5	944.1	569.8	408.1	351.6	339.6	342.5	338.2	327.6	326.9
60°	1794.2	1532.2	944.8	557.1	398.9	348.1	337.5	341.0	337.5	324.8	323.4
62.5°	1845.7	1557.7	926.4	537.3	389.8	343.9	337.5	340.3	336.1	323.4	322.7
65°	1854.2	1544.9	896.7	514.7	379.2	339.6	336.1	339.6	335.4	322.0	320.6
67°	1821.0	1508.2	856.5	493.6	370.0	336.1	333.3	338.2	333.3	320.6	318.5
67.5°	1809.7	1491.3	847.3	490.7	367.9	334.7	332.6	336.8	332.6	319.9	317.7
70°	1710.9	1398.8	778.1	459.7	354.5	327.6	327.6	331.2	326.9	314.9	311.4
72.5°	1558.4	1268.9	708.9	430.0	339.6	317.0	319.2	322.7	318.5	307.2	302.9
75°	1381.8	1122.7	632.0	395.4	322.7	306.4	307.9	311.4	307.2	295.1	291.6
77.5°	1185.5	953.9	554.3	363.6	305.0	292.3	293.0	295.1	291.6	279.6	276.1
80°	975.1	786.6	475.2	327.6	284.6	274.7	275.4	275.4	270.4	260.6	257.7
82.5°	785.9	639.0	405.3	295.9	262.0	254.9	254.9	254.2	247.8	239.4	235.1
85°	611.5	515.5	339.6	263.4	239.4	233.0	232.3	229.5	223.1	213.9	209.0
87.5°	479.4	408.1	286.0	232.3	216.8	212.5	208.3	201.9	197.0	189.2	185.0
90°	374.2	324.1	241.5	204.1	194.9	189.2	185.0	177.2	169.5	161.7	159.6
92.5°	293.0	256.3	201.2	177.9	172.3	168.1	162.4	153.9	146.9	137.7	138.4
95°	232.3	208.3	171.6	156.8	152.5	149.0	141.9	132.7	125.0	116.5	115.1
97.5°	182.2	165.9	144.0	136.3	134.9	130.6	123.6	114.4	105.9	96.7	96.7
100°	144.8	135.6	121.4	120.0	117.2	114.4	107.3	98.9	88.3	80.5	80.5
102.5°	116.5	108.7	103.8	103.8	103.1	100.3	93.2	84.7	74.1	66.4	66.4
105°	93.2	90.4	88.3	90.4	91.1	88.3	81.2	72.0	61.4	54.4	55.8
107.5°	77.7	75.6	75.6	78.4	79.8	77.0	70.6	60.7	50.8	45.9	45.9



REPORT NUMBER: P415533

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	64.3	63.5	65.0	68.5	69.2	67.1	60.7	51.5	42.4	38.1	38.8
112.5°	54.4	53.7	56.5	60.0	60.7	58.6	52.3	43.8	35.3	32.5	32.5
115°	45.9	46.6	48.7	51.5	53.0	50.8	45.2	37.4	29.0	27.5	27.5
117.5°	39.5	40.2	42.4	45.9	46.6	43.8	38.1	31.1	24.7	24.0	24.0
120°	34.6	35.3	37.4	39.5	40.2	37.4	32.5	26.1	21.2	20.5	20.5
122.5°	30.4	31.8	33.2	34.6	35.3	32.5	28.2	21.9	17.7	17.7	18.4
125°	26.8	27.5	29.0	30.4	30.4	27.5	23.3	18.4	15.5	15.5	15.5
127.5°	24.0	24.0	24.7	26.1	26.1	24.0	19.8	14.8	13.4	13.4	14.1
130°	21.2	21.9	21.9	21.9	21.9	19.8	16.2	12.7	11.3	12.0	12.0
132.5°	18.4	19.1	19.1	19.1	18.4	16.2	13.4	10.6	9.9	10.6	10.6
135°	16.2	16.2	16.2	16.2	14.8	13.4	10.6	8.5	8.5	9.2	9.2
137.5°	14.1	14.1	14.1	13.4	12.0	10.6	8.5	7.1	7.1	7.8	7.8
140°	11.3	12.0	11.3	10.6	9.2	7.8	6.4	5.6	6.4	6.4	6.4
142.5°	9.2	9.2	9.2	8.5	7.1	5.6	4.9	4.2	4.9	4.9	5.6
145°	7.1	7.1	7.1	6.4	4.9	3.5	3.5	3.5	4.2	4.2	4.2
147.5°	4.9	4.9	4.9	4.2	2.8	2.1	2.1	2.1	2.8	2.8	2.8
150°	3.5	3.5	3.5	2.8	1.4	0.7	0.7	1.4	2.1	2.1	2.1
152.5°	2.1	2.1	2.1	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)