

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: P415515

Luminaire Tested: **LXF.LXT-PA1-50-740-U-T2U-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-20)
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-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5985 lumens
Efficiency: N/A
Efficacy: 110.8 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: B2 - U3 - G3

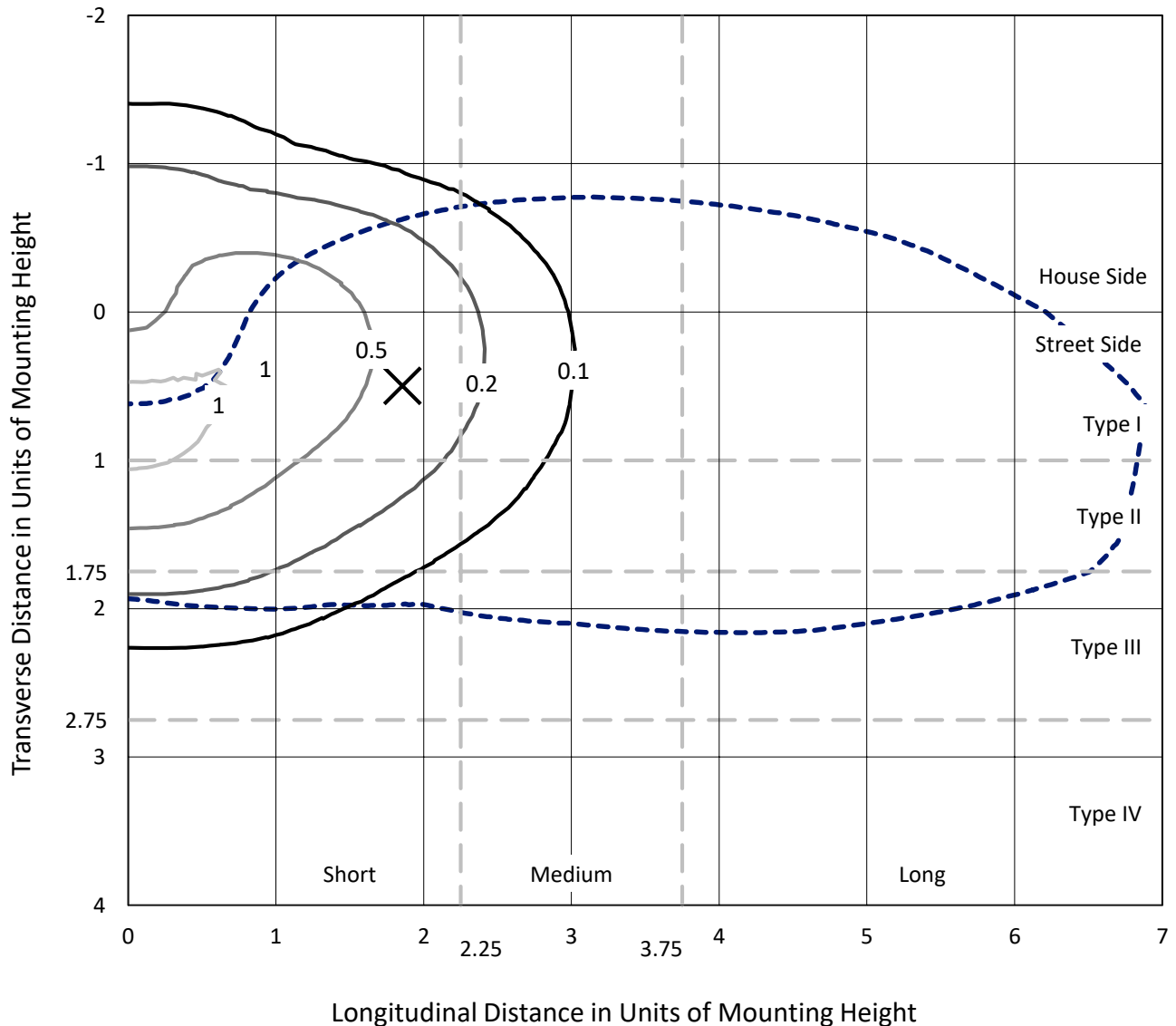
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

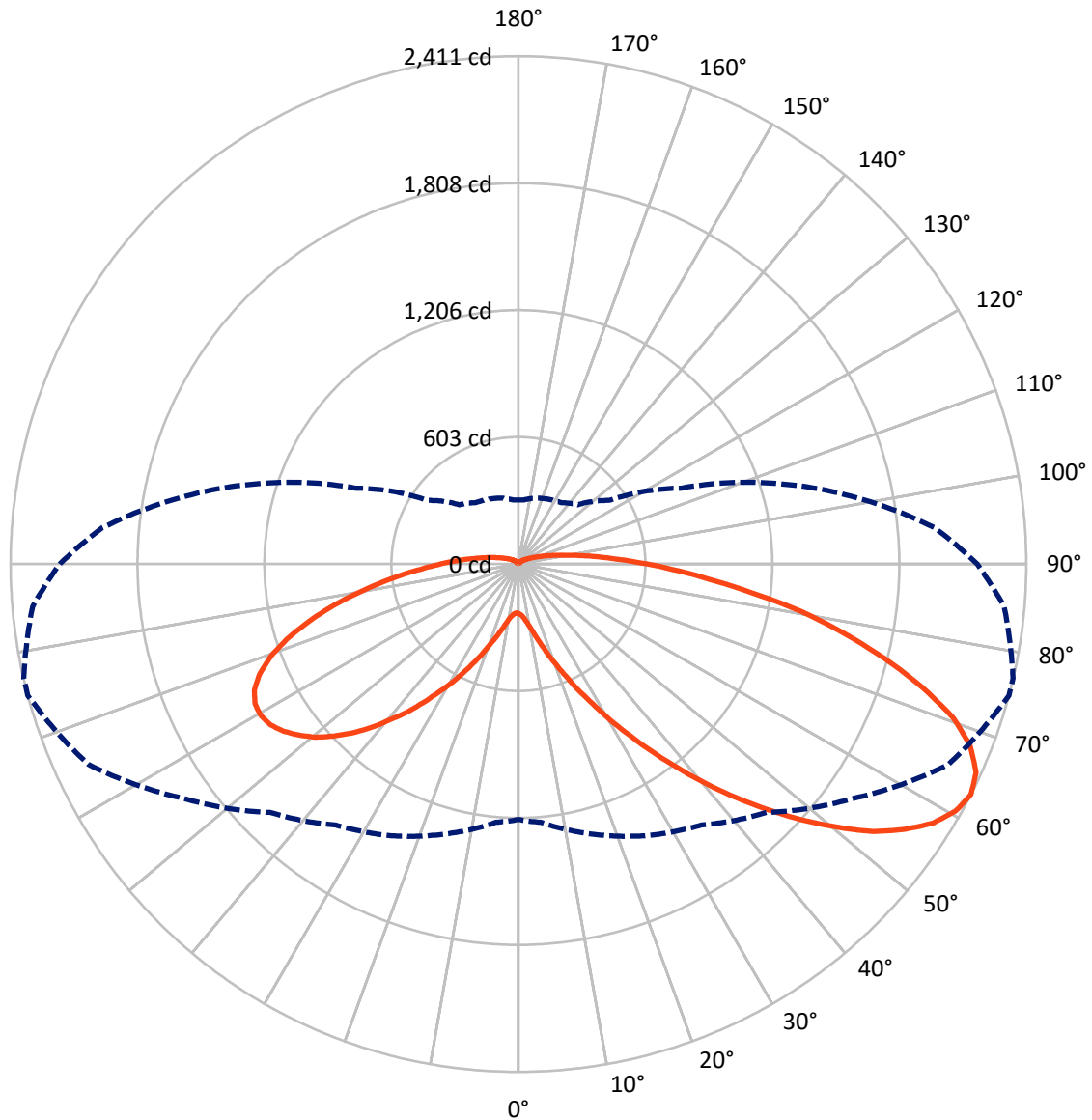


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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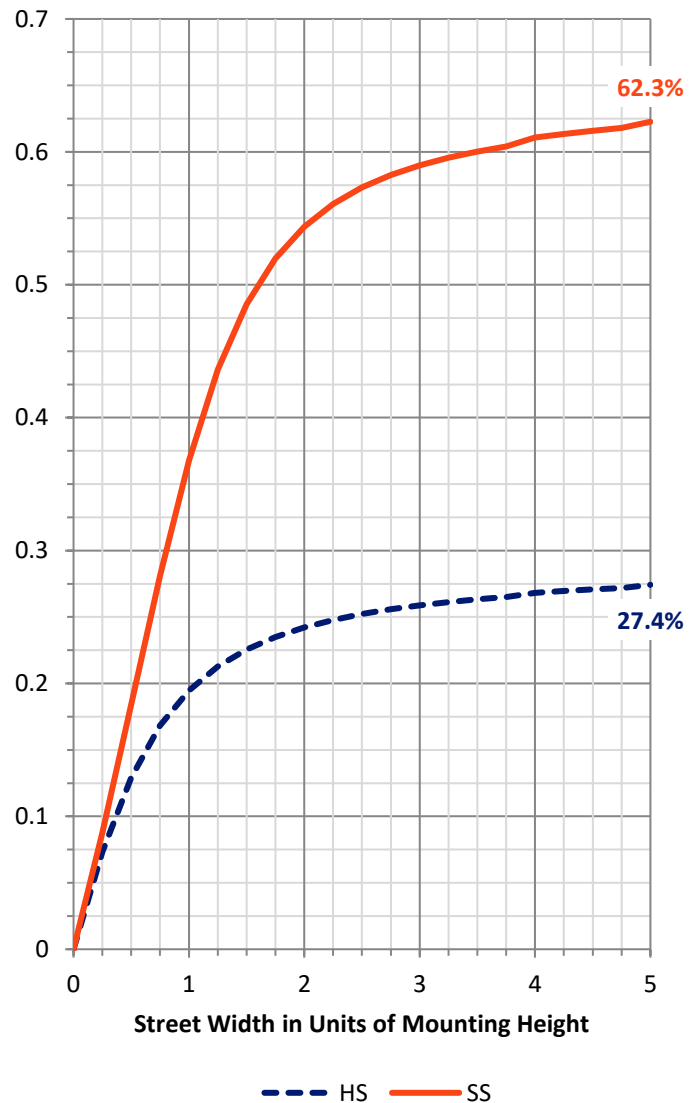
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1711.6	182.0	1893.6
	% Fixture	28.6	3.0	31.6
Street Side	Lumens	3841.6	249.9	4091.4
	% Fixture	64.2	4.2	68.4
Total	Lumens	5553.1	431.9	5985.0
	% Fixture	92.8	7.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.4
10°-20°	104.1	1.7
20°-30°	269.5	4.5
30°-40°	551.5	9.2
40°-50°	914.5	15.3
50°-60°	1186.4	19.8
60°-70°	1168.5	19.5
70°-80°	858.6	14.3
80°-90°	475.2	7.9
90°-100°	224.4	3.7
100°-110°	107.2	1.8
110°-120°	54.7	0.9
120°-130°	28.3	0.5
130°-140°	13.0	0.2
140°-150°	3.8	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5553.1	92.8
0°-180°	5985.0	100.0



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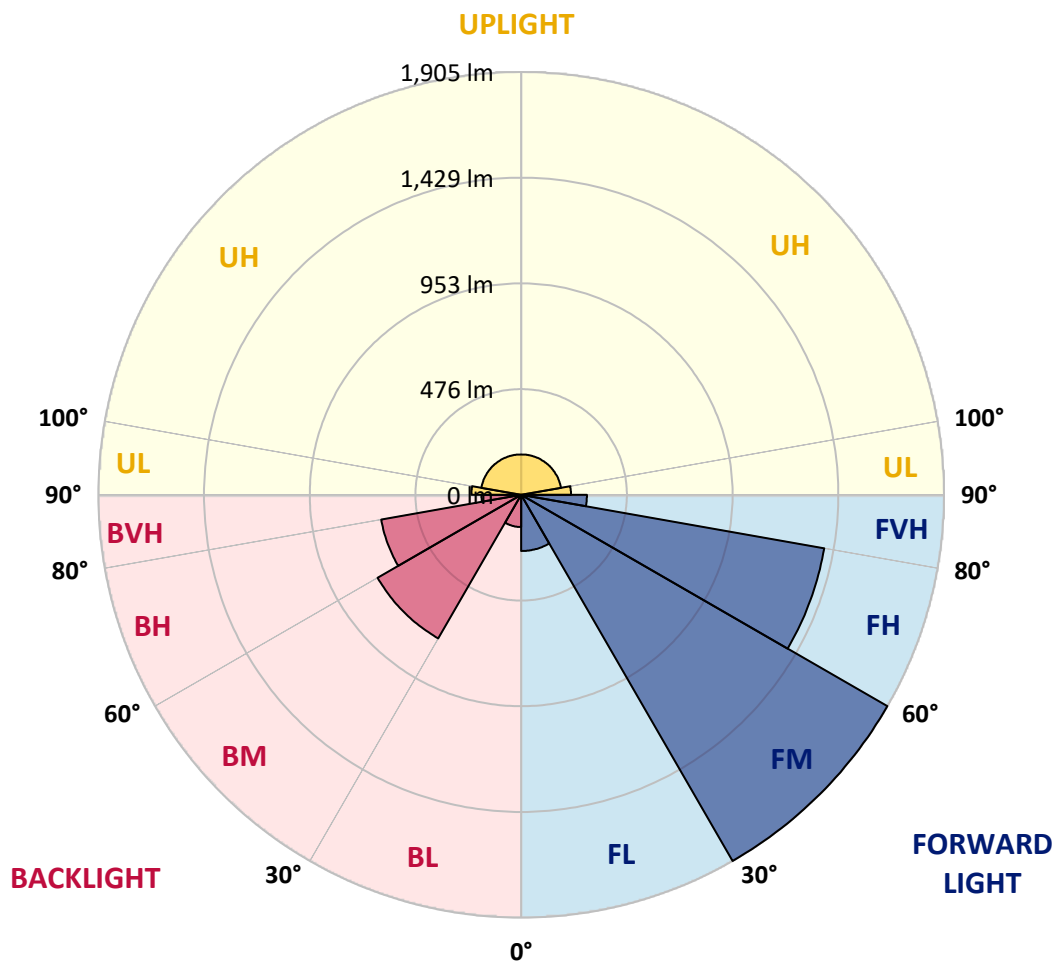
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.2	4.2			
FM	(30°-60°)	1905.3	31.8			
FH	(60°-80°)	1386.9	23.2			G1/1800
FVH	(80°-90°)	296.2	4.9			G3/500
BL	(0°-30°)	145.2	2.4	B1/500		
BM	(30°-60°)	747.1	12.5	B1/1000		
BH	(60°-80°)	640.2	10.7	B2/1000		G2/1000
BVH	(80°-90°)	179.0	3.0			G2/225
UL	(90°-100°)	224.4	3.7		U3/500	
UH	(100°-180°)	182.0	3.0		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1
2.5°	262.0	259.8	258.4	256.3	254.9	252.1	249.2	245.0	241.5	240.8	238.0
5°	289.5	286.0	286.0	282.4	277.5	274.0	268.3	261.3	255.6	252.1	249.2
7.5°	324.8	322.0	318.4	315.6	310.7	304.3	296.6	287.4	276.1	274.0	266.9
10°	364.3	362.9	360.1	354.5	348.1	339.6	329.0	317.7	305.0	302.9	290.9
12.5°	416.6	416.6	412.4	404.6	395.4	379.9	370.7	358.7	343.9	341.7	324.8
15°	480.8	478.0	472.4	459.0	448.4	435.7	424.4	408.8	389.1	385.5	370.0
17.5°	551.5	545.8	543.0	530.3	516.1	500.6	485.1	468.1	446.2	440.6	422.2
20°	630.5	634.1	623.5	609.4	588.2	572.6	555.0	533.1	509.1	504.9	483.0
22.5°	730.1	727.3	712.4	692.7	672.2	655.2	632.7	610.8	578.3	574.0	548.6
25°	840.2	837.4	818.4	793.6	770.3	740.0	713.9	690.6	663.7	657.4	627.0
27.5°	948.3	962.4	933.4	903.1	875.5	841.7	810.6	780.9	750.6	745.6	713.9
30°	1095.8	1099.4	1065.5	1023.8	986.4	944.0	911.6	884.7	858.6	842.4	813.4
32.5°	1249.8	1238.5	1211.6	1160.8	1101.5	1054.2	1018.2	993.5	968.7	960.3	917.9
35°	1402.3	1402.3	1360.6	1292.1	1214.5	1166.5	1131.1	1116.3	1093.7	1080.3	1033.0
37.5°	1552.0	1549.9	1507.5	1427.0	1347.2	1281.5	1258.9	1242.0	1226.5	1213.1	1155.2
40°	1699.5	1696.0	1645.2	1566.8	1473.6	1405.8	1387.5	1390.3	1371.9	1353.6	1295.7
42.5°	1818.2	1816.8	1776.5	1698.1	1586.6	1526.6	1508.2	1525.1	1516.7	1499.0	1431.2
45°	1912.8	1906.4	1874.7	1794.9	1693.9	1630.3	1635.3	1676.2	1666.4	1657.9	1573.9
47.5°	1952.3	1951.6	1934.0	1864.8	1771.6	1727.1	1755.3	1812.5	1816.0	1809.0	1715.1
50°	1941.7	1944.6	1943.1	1900.8	1824.5	1801.9	1856.3	1953.7	1965.0	1958.0	1861.2
52.5°	1879.6	1881.0	1904.3	1886.0	1842.9	1849.2	1946.0	2070.9	2110.5	2091.4	1990.5
55°	1748.3	1765.9	1811.8	1822.4	1816.8	1859.8	1999.6	2164.1	2224.2	2217.8	2102.7
57.5°	1612.7	1604.2	1669.9	1720.7	1750.4	1831.6	2017.3	2230.5	2320.9	2312.4	2203.0
60°	1415.0	1427.7	1508.2	1580.9	1643.8	1763.8	2001.0	2265.8	2383.7	2378.8	2276.4
62.5°	1213.1	1231.4	1326.7	1423.5	1513.1	1667.8	1940.3	2252.4	2411.3	2410.6	2315.3
65°	1023.1	1042.9	1130.4	1247.7	1362.0	1537.9	1834.4	2195.2	2388.0	2389.4	2308.2
67.5°	854.4	865.0	956.7	1086.0	1197.5	1385.3	1698.1	2082.2	2314.5	2322.3	2251.7
70°	704.0	711.7	800.7	915.8	1045.0	1215.2	1532.9	1937.5	2191.7	2194.5	2150.0
72.5°	577.6	584.6	670.1	772.5	891.8	1066.2	1362.7	1739.8	2006.7	2034.9	1993.3
75°	461.8	475.9	549.3	648.9	755.5	910.8	1182.7	1527.3	1799.1	1823.1	1816.8
77.5°	376.3	395.4	454.0	539.4	637.6	772.5	1002.6	1317.6	1579.5	1599.3	1604.2
80°	303.6	317.7	376.3	451.9	535.2	652.4	838.1	1112.8	1358.5	1360.6	1358.5
82.5°	246.4	257.0	309.3	377.8	451.2	548.6	702.6	928.5	1114.2	1136.8	1141.0
85°	200.5	208.3	253.5	314.9	377.0	459.7	579.7	758.3	905.2	928.5	920.7
87.5°	161.0	171.6	207.6	259.8	317.7	383.4	482.3	613.6	730.8	740.7	739.3
90°	132.0	135.6	171.6	216.1	268.3	318.4	394.0	494.3	581.8	599.5	587.5
92.5°	106.6	112.3	142.6	182.9	223.8	267.6	326.9	406.0	460.4	471.0	465.3
95°	89.7	92.5	120.0	153.2	188.5	228.1	269.7	324.1	364.3	367.9	369.3
97.5°	74.8	77.7	100.3	130.6	161.0	192.8	224.5	264.8	291.6	290.9	288.8
100°	64.3	65.7	86.1	113.7	140.5	163.8	188.5	213.2	229.5	234.4	226.7
102.5°	55.8	56.5	74.1	98.1	120.7	141.2	159.6	177.2	183.6	184.3	180.8
105°	49.4	50.1	65.0	84.7	105.2	120.7	134.9	145.5	148.3	148.3	144.0
107.5°	43.8	44.5	55.8	74.8	93.2	105.9	115.8	121.4	120.0	119.3	116.5
110°	40.2	40.2	49.4	66.4	81.2	92.5	100.3	101.0	97.4	97.4	94.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	36.7	36.7	43.8	58.6	72.0	81.9	86.8	85.4	80.5	79.1	79.1
115°	33.9	33.9	38.8	51.5	64.3	72.0	75.6	72.0	66.4	65.7	65.0
117.5°	31.8	31.8	35.3	45.9	56.5	63.5	65.7	62.1	55.8	55.1	55.1
120°	29.7	29.7	32.5	40.2	50.1	55.8	57.2	53.0	46.6	46.6	47.3
122.5°	28.2	28.2	29.7	36.0	44.5	49.4	49.4	45.2	39.5	39.5	40.2
125°	26.8	26.8	27.5	31.8	38.8	43.1	42.4	37.4	33.9	33.9	34.6
127.5°	25.4	25.4	25.4	28.2	33.9	37.4	36.7	31.8	28.9	28.9	30.4
130°	24.0	24.0	23.3	24.7	28.9	31.8	30.4	26.8	24.7	24.7	26.1
132.5°	22.6	22.6	21.2	21.9	24.7	26.1	24.7	21.9	21.2	21.2	21.9
135°	21.2	20.5	19.8	19.1	20.5	21.2	19.8	17.7	17.7	17.7	19.1
137.5°	19.1	19.1	17.7	16.2	16.2	16.2	15.5	13.4	14.1	14.8	15.5
140°	17.7	17.7	16.2	14.1	12.7	12.7	11.3	10.6	11.3	12.0	12.7
142.5°	15.5	15.5	14.1	12.0	9.9	8.5	7.8	7.1	8.5	9.2	9.2
145°	13.4	13.4	12.0	9.2	7.1	4.9	4.2	4.9	5.6	6.4	7.1
147.5°	11.3	10.6	9.2	7.1	3.5	2.1	1.4	2.8	3.5	3.5	4.2
150°	8.5	8.5	7.1	4.9	2.1	0.0	0.7	1.4	2.1	2.1	2.8
152.5°	6.4	5.6	4.9	2.8	0.0	0.0	0.0	0.0	0.7	1.4	1.4
155°	3.5	3.5	2.8	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.7	0.7	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1	235.1
2.5°	236.5	234.4	231.6	229.5	227.4	224.5	223.1	221.0	221.0	221.0	222.4
5°	245.0	242.2	235.8	230.2	224.5	220.3	216.1	213.2	211.8	210.4	211.1
7.5°	260.5	257.0	247.1	237.2	229.5	221.7	216.1	211.1	209.0	208.3	208.3
10°	284.6	278.2	263.4	250.0	238.7	228.1	220.3	213.9	211.1	209.0	209.0
12.5°	317.0	307.9	290.2	271.8	254.9	240.8	229.5	224.5	222.4	221.0	221.7
15°	360.1	350.2	323.4	299.4	277.5	258.4	247.8	242.9	240.1	238.7	238.0
17.5°	410.2	396.1	363.6	332.6	305.0	283.8	270.4	262.7	257.7	254.9	255.6
20°	465.3	447.0	405.3	371.4	336.1	314.9	294.4	281.7	275.4	274.0	274.7
22.5°	527.4	508.4	460.4	410.9	374.2	342.5	317.7	301.5	293.7	293.0	293.0
25°	600.9	575.5	519.0	456.8	409.5	369.3	340.3	320.6	312.1	309.3	309.3
27.5°	684.2	650.3	580.4	509.1	444.1	393.3	359.4	336.8	327.6	325.5	325.5
30°	776.0	740.7	651.7	558.5	477.3	414.5	376.3	352.3	340.3	337.5	338.2
32.5°	877.0	831.1	718.8	611.5	506.3	431.4	387.6	363.6	350.2	346.7	346.7
35°	986.4	932.7	798.6	663.0	533.8	444.8	396.1	371.4	356.6	353.0	352.3
37.5°	1109.3	1042.2	881.2	710.3	555.7	453.3	401.8	376.3	360.1	355.2	354.5
40°	1237.8	1160.8	957.5	753.4	574.0	458.2	403.2	378.5	361.5	353.7	353.0
42.5°	1357.8	1273.1	1044.3	792.9	585.3	460.4	402.5	377.8	360.1	349.5	348.8
45°	1490.5	1386.7	1124.1	828.9	592.4	459.0	399.6	374.2	357.3	343.9	342.5
47.5°	1629.6	1510.3	1197.5	855.1	595.2	454.7	396.1	371.4	352.3	337.5	336.1
50°	1755.3	1616.2	1266.0	875.5	593.8	448.4	390.5	367.2	348.1	331.2	329.7
52.5°	1878.2	1727.1	1319.7	886.8	586.8	441.3	385.5	362.2	343.2	325.5	323.4
55°	1989.7	1814.6	1367.7	891.8	577.6	432.1	378.5	358.0	338.9	319.9	317.7
57.5°	2075.9	1897.2	1403.0	885.4	563.5	421.5	371.4	351.6	334.0	314.9	312.8
60°	2139.4	1951.6	1419.2	873.4	547.2	409.5	362.9	345.3	329.0	310.7	308.6
62.5°	2177.6	1982.0	1415.7	852.2	526.7	397.5	355.2	338.9	324.1	305.7	304.3
65°	2171.2	1970.0	1388.9	818.4	504.9	382.0	343.2	330.4	317.0	300.1	298.0
67.5°	2119.7	1921.3	1334.5	776.0	480.1	366.5	331.9	319.2	307.9	293.0	288.8
70°	2027.9	1831.6	1256.1	723.0	451.9	348.8	318.4	306.4	296.6	282.4	278.2
72.5°	1873.2	1701.0	1156.6	668.0	421.5	328.3	300.8	290.9	280.3	269.0	264.1
75°	1696.7	1537.1	1039.4	603.0	389.1	307.9	282.4	272.5	262.7	250.7	246.4
77.5°	1504.7	1351.4	917.9	545.8	355.9	284.6	262.0	253.5	243.6	230.9	225.9
80°	1275.2	1153.0	788.7	480.1	322.7	262.0	240.8	231.6	221.0	209.0	204.1
82.5°	1068.3	960.3	669.4	420.8	289.5	238.7	220.3	206.9	197.0	185.0	176.5
85°	873.4	797.9	561.3	361.5	258.4	214.6	196.3	185.0	173.7	159.6	153.9
87.5°	702.6	638.3	461.1	312.1	228.1	191.3	174.4	163.1	150.4	135.6	130.6
90°	555.7	516.1	383.4	268.3	201.9	171.6	154.6	142.6	128.5	115.1	112.3
92.5°	440.6	413.1	317.0	228.1	177.9	151.8	136.3	124.3	110.1	96.7	92.5
95°	354.5	327.6	259.8	199.1	156.0	133.4	120.0	108.7	94.6	81.2	78.4
97.5°	283.1	262.0	213.2	167.3	137.0	118.6	106.6	94.6	80.5	68.5	67.1
100°	221.7	209.0	176.5	144.0	120.7	105.2	93.9	83.3	69.2	57.2	56.5
102.5°	177.2	170.2	146.9	124.3	105.9	93.2	84.0	72.7	60.0	48.7	48.0
105°	142.6	138.4	122.2	106.6	93.9	83.3	74.8	63.5	50.8	41.7	41.7
107.5°	115.8	112.3	102.4	91.1	82.6	74.8	65.7	55.8	43.8	36.0	36.0
110°	94.6	93.2	86.8	79.1	72.7	66.4	57.9	48.0	37.4	31.8	31.8



REPORT NUMBER: P415515

CATALOG NUMBER: LXF.LXT-PA1-50-740-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	79.1	78.4	73.4	69.2	64.3	58.6	51.5	42.4	32.5	27.5	28.2
115°	65.7	65.7	62.8	60.0	56.5	52.3	45.2	36.0	27.5	24.7	24.7
117.5°	55.8	55.1	54.4	52.3	50.1	45.9	38.8	31.1	23.3	21.9	22.6
120°	48.0	48.0	46.6	45.9	43.8	39.5	33.9	26.1	19.8	19.8	19.8
122.5°	41.0	41.7	40.2	39.5	38.1	35.3	28.9	21.9	17.7	16.9	17.7
125°	36.0	36.0	35.3	34.6	33.2	29.7	24.7	18.4	14.8	15.5	15.5
127.5°	30.4	31.1	30.4	29.7	28.9	25.4	20.5	14.8	12.7	13.4	13.4
130°	26.8	26.8	26.1	25.4	24.0	21.2	16.9	12.0	11.3	12.0	12.0
132.5°	22.6	22.6	22.6	21.2	19.8	17.7	13.4	9.9	9.2	10.6	10.6
135°	19.1	19.1	19.1	17.7	16.2	13.4	9.9	7.8	7.8	9.2	9.2
137.5°	15.5	16.2	15.5	14.1	12.7	10.6	7.8	5.6	6.4	7.8	7.8
140°	12.7	12.7	12.0	11.3	9.2	7.1	4.9	4.2	5.6	6.4	6.4
142.5°	9.9	9.9	9.2	7.8	6.4	4.9	2.8	2.8	4.2	4.9	4.9
145°	7.1	7.1	6.4	4.9	3.5	2.1	0.7	1.4	2.8	3.5	3.5
147.5°	4.2	4.2	4.2	3.5	2.1	0.7	0.0	0.7	1.4	2.1	2.1
150°	2.8	2.8	2.8	2.1	1.4	0.0	0.0	0.0	0.7	1.4	1.4
152.5°	1.4	1.4	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	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)