

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: P415409

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2U-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415409
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-10)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5120 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U3 - G2

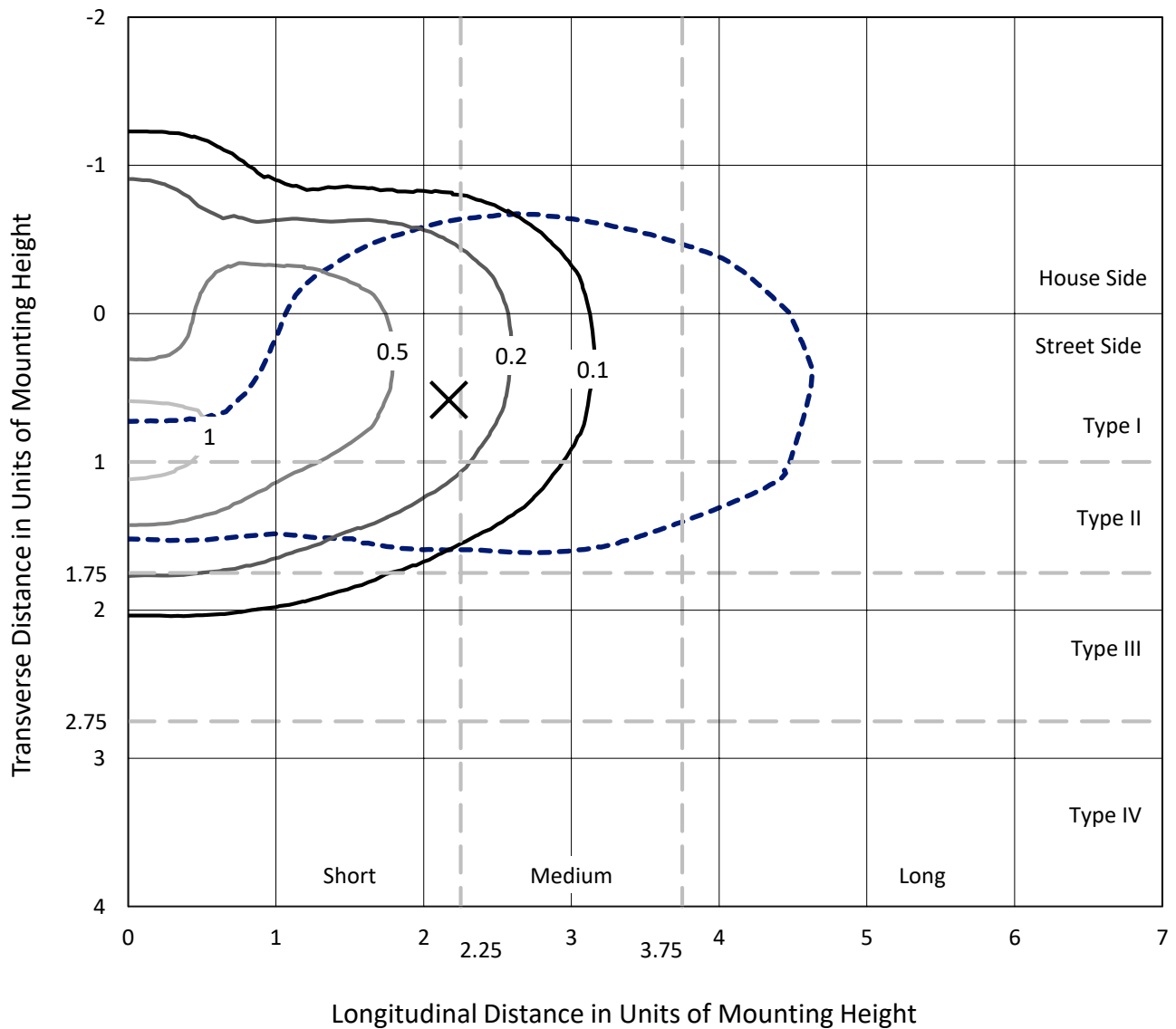
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415409
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

Iso-Footcandle Lines of Horizontal Illumination

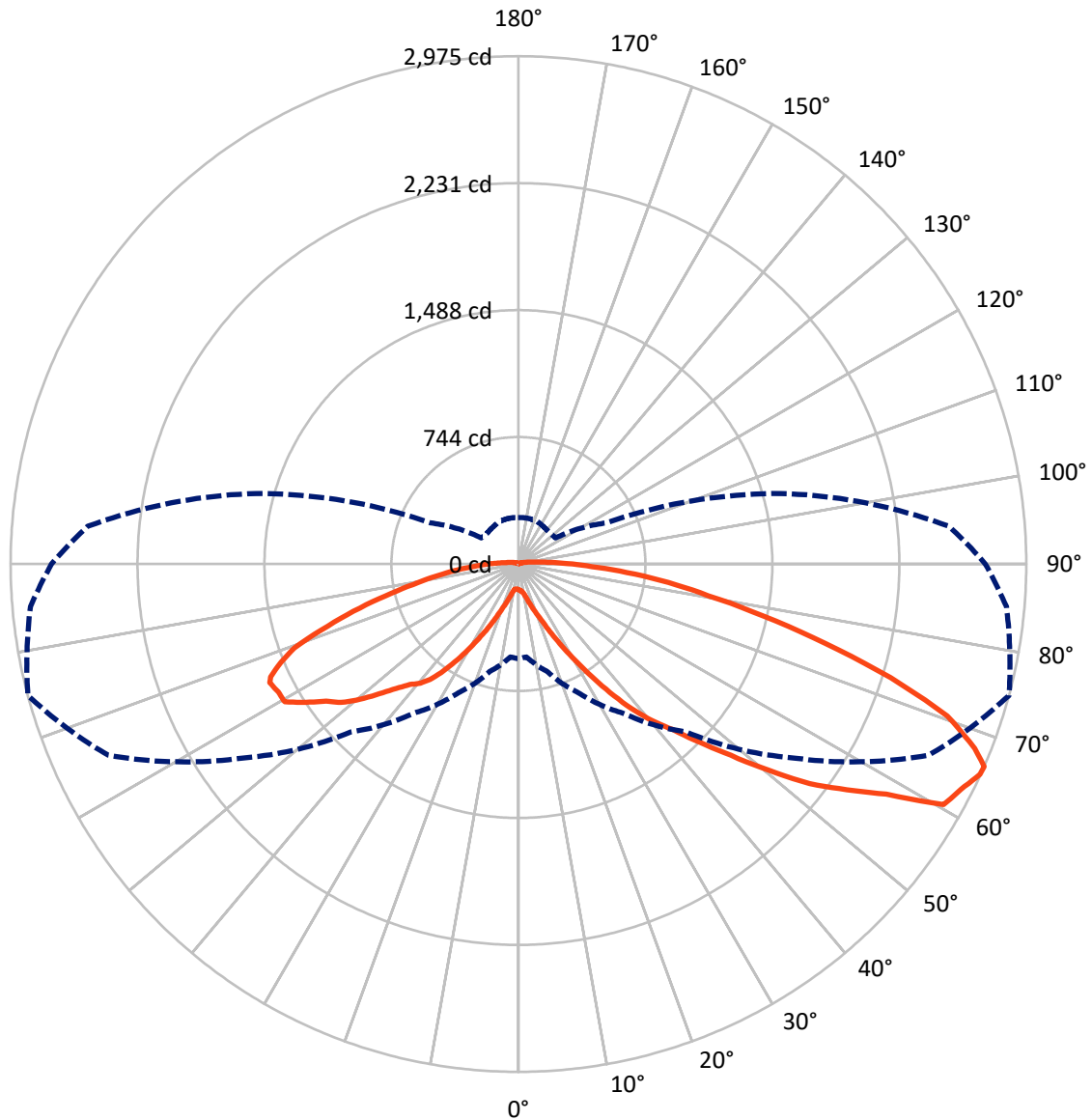
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415409
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P415409

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1454.2	71.0	1525.2
	% Fixture	28.4	1.4	29.8
Street Side	Lumens	3524.6	70.2	3594.8
	% Fixture	68.8	1.4	70.2
Total	Lumens	4978.8	141.2	5120.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.3
10°-20°	64.3	1.3
20°-30°	195.1	3.8
30°-40°	482.7	9.4
40°-50°	871.6	17.0
50°-60°	1177.7	23.0
60°-70°	1182.2	23.1
70°-80°	714.0	13.9
80°-90°	276.0	5.4
90°-100°	82.0	1.6
100°-110°	29.6	0.6
110°-120°	14.3	0.3
120°-130°	8.5	0.2
130°-140°	5.0	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4978.8	97.2
0°-180°	5120.0	100.0



REPORT NUMBER: P415409

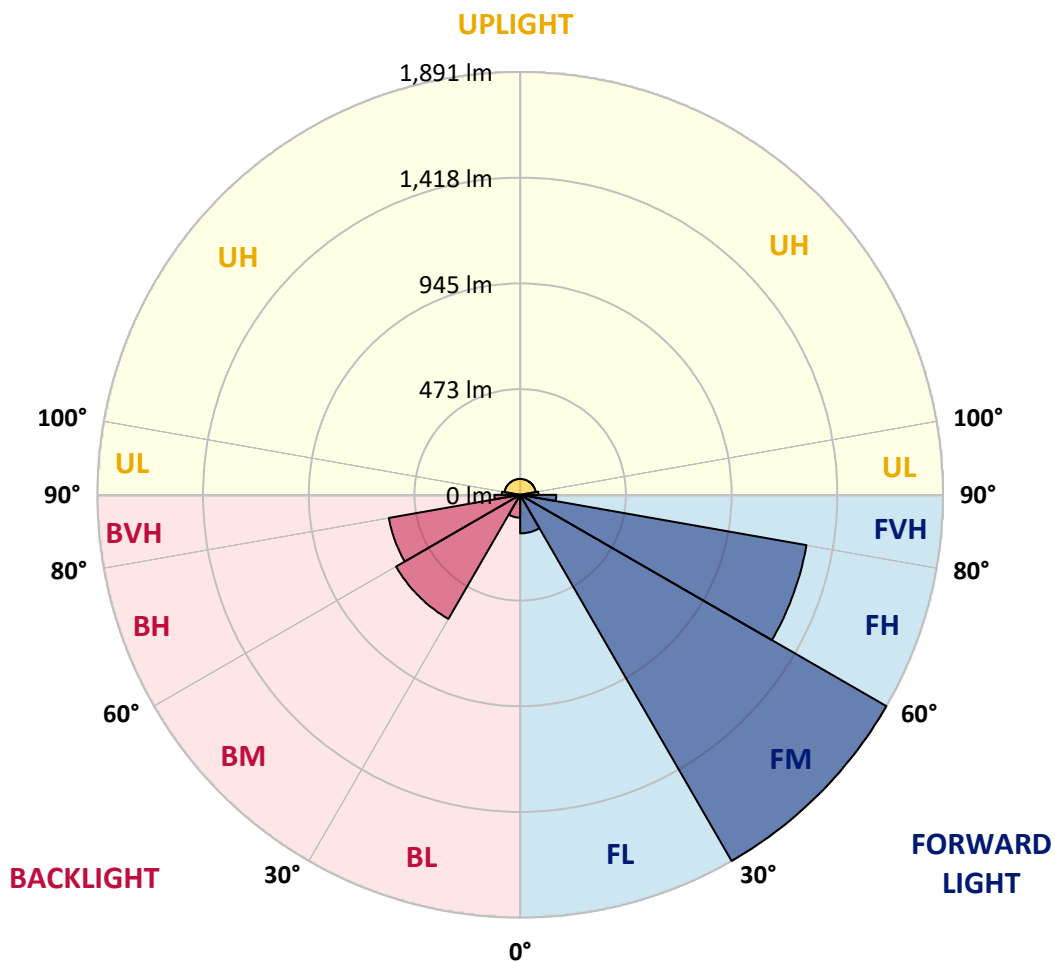
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.5	3.4			
FM	(30°-60°)	1890.9	36.9			
FH	(60°-80°)	1300.0	25.4			G1/1800
FVH	(80°-90°)	161.2	3.1			G2/225
BL	(0°-30°)	102.2	2.0	B0/110		
BM	(30°-60°)	641.0	12.5	B1/1000		
BH	(60°-80°)	596.2	11.6	B2/1000		G2/1000
BVH	(80°-90°)	114.8	2.2			G2/225
UL	(90°-100°)	82.0	1.6		U3/500	
UH	(100°-180°)	71.0	1.4		U3/500	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P415409

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2
2.5°	166.5	165.3	164.1	163.0	161.8	160.6	158.2	155.3	152.9	152.9	150.6
5°	181.9	180.7	178.9	176.5	174.2	171.8	167.1	162.4	157.6	157.6	153.5
7.5°	200.8	200.2	197.8	194.8	189.5	184.2	178.3	171.2	164.7	164.1	158.8
10°	225.0	223.8	220.2	216.1	210.2	203.1	194.8	186.0	176.5	176.0	169.5
12.5°	258.6	256.3	250.4	243.9	232.6	225.6	216.1	207.8	200.8	199.0	190.1
15°	302.3	299.4	292.9	281.6	266.9	253.9	248.6	239.7	232.0	229.7	221.4
17.5°	358.4	355.5	344.2	326.5	311.2	298.2	286.4	277.5	271.0	270.4	258.6
20°	435.2	428.1	409.8	385.0	364.9	349.0	332.4	322.4	315.9	313.5	306.4
22.5°	529.6	527.9	501.9	469.4	436.3	407.4	389.1	377.9	373.2	373.8	369.6
25°	650.1	644.8	620.0	572.7	523.1	486.5	461.1	454.1	453.5	449.3	447.6
27.5°	778.8	771.7	739.2	693.8	628.2	578.6	550.3	542.6	544.4	539.7	543.2
30°	936.5	932.9	885.7	819.5	748.7	683.7	654.2	647.7	651.9	657.8	654.2
32.5°	1131.3	1136.6	1072.3	983.1	883.9	808.9	776.4	774.1	780.0	778.8	777.0
35°	1368.7	1378.1	1288.9	1180.9	1044.5	955.3	914.6	911.7	923.5	922.3	923.5
37.5°	1622.6	1626.7	1554.1	1382.8	1224.0	1100.6	1066.9	1063.4	1074.6	1068.1	1061.6
40°	1822.7	1842.2	1757.2	1610.2	1402.9	1277.1	1236.4	1216.9	1206.9	1199.8	1152.6
42.5°	2012.2	2000.4	1940.2	1776.7	1586.5	1449.6	1395.2	1358.6	1326.1	1321.4	1269.5
45°	2136.2	2121.5	2064.2	1913.1	1734.7	1621.4	1571.2	1526.9	1490.3	1473.8	1411.2
47.5°	2143.3	2136.2	2122.7	2009.3	1853.4	1754.8	1738.3	1714.7	1674.5	1675.1	1594.8
50°	2035.3	2024.1	2063.6	2020.5	1912.5	1860.5	1923.1	1949.1	1897.7	1892.4	1809.1
52.5°	1844.0	1838.1	1910.1	1952.6	1914.2	1934.3	2083.1	2177.6	2137.4	2116.2	2008.7
55°	1650.3	1657.4	1720.0	1788.5	1851.6	1955.6	2224.8	2413.2	2334.0	2319.9	2185.8
57.5°	1386.4	1410.0	1503.3	1610.7	1709.9	1926.0	2299.2	2562.5	2542.5	2537.2	2422.6
60°	1097.1	1094.7	1232.9	1389.3	1552.3	1828.6	2303.3	2750.3	2861.9	2836.5	2674.7
62.5°	852.0	857.9	957.1	1153.1	1371.6	1680.4	2246.7	2834.2	2908.6	2879.6	2738.5
65°	617.0	626.5	747.5	905.7	1152.6	1480.3	2085.5	2720.2	2971.7	2954.0	2874.3
66°	554.4	546.2	652.4	831.9	1066.4	1391.7	1983.9	2651.1	2975.3	2965.2	2870.2
67.5°	445.8	456.4	538.5	695.0	927.6	1250.6	1800.3	2540.7	2883.2	2869.6	2805.8
70°	330.1	340.1	396.2	521.4	703.8	997.3	1488.5	2194.7	2665.9	2675.9	2668.8
72.5°	244.4	255.1	293.5	383.8	520.8	741.6	1179.7	1849.9	2279.7	2303.3	2286.8
75°	190.1	194.3	226.1	289.3	380.8	522.5	872.7	1433.6	1855.8	1899.5	1914.8
77.5°	152.9	156.5	182.4	223.2	285.2	381.4	611.7	1068.7	1469.0	1499.7	1528.7
80°	123.4	125.8	147.0	179.5	218.5	272.8	412.7	776.4	1127.2	1144.9	1187.4
82.5°	99.2	101.0	116.3	144.1	174.8	207.2	293.5	542.0	885.1	901.6	955.3
85°	77.9	79.1	92.7	114.5	140.5	164.1	212.0	383.2	637.7	653.0	718.0
87.5°	61.4	62.6	73.2	89.2	113.4	129.9	156.5	258.0	430.4	452.3	526.1
90°	48.4	49.0	56.7	69.1	88.0	105.7	122.8	180.1	287.0	299.4	340.7
92.5°	36.6	37.2	43.1	52.5	68.5	83.8	93.9	124.6	183.6	188.9	218.5
95°	27.2	27.8	32.5	38.4	51.4	65.5	72.6	87.4	115.7	122.8	130.5
97.5°	21.3	21.8	24.8	28.3	37.8	51.4	57.9	64.4	79.1	81.5	87.4
100°	18.3	18.3	20.1	22.4	28.3	40.2	45.5	50.8	59.6	59.6	63.2
102.5°	15.4	15.4	16.5	17.7	23.0	31.9	36.6	40.2	44.9	45.5	48.4
105°	13.6	13.6	14.2	15.4	19.5	26.0	30.1	31.9	34.8	34.8	36.0
107.5°	11.8	11.8	12.4	13.0	17.1	21.8	24.2	24.8	26.0	26.0	27.8



REPORT NUMBER: P415409

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
110°	11.2	11.2	11.2	11.8	14.8	18.9	20.1	19.5	20.1	20.1	21.8
112.5°	10.6	10.0	10.0	10.6	13.6	16.5	16.5	15.9	15.9	15.9	17.7
115°	10.0	10.0	9.4	10.0	12.4	14.2	14.2	13.0	13.0	13.0	14.8
117.5°	10.0	10.0	9.4	9.4	11.2	13.0	12.4	11.2	10.6	11.2	13.0
120°	10.0	10.0	8.9	8.9	10.6	11.2	11.2	9.4	9.4	9.4	11.2
122.5°	10.0	10.0	8.9	8.9	10.0	10.6	10.0	8.3	8.3	8.3	10.0
125°	10.6	10.0	8.9	8.9	9.4	9.4	8.9	7.7	7.1	7.1	8.9
127.5°	10.6	10.6	9.4	8.9	8.9	8.9	8.3	7.1	6.5	6.5	8.3
130°	11.8	11.2	10.0	8.9	8.3	7.7	7.1	6.5	6.5	6.5	7.7
132.5°	11.8	11.8	10.0	8.3	7.7	7.1	6.5	5.3	5.9	5.9	7.1
135°	11.2	10.6	8.9	7.7	7.1	5.9	5.3	4.7	5.3	5.3	6.5
137.5°	10.0	9.4	8.3	6.5	5.9	4.7	4.1	3.5	4.1	4.1	5.3
140°	8.3	8.3	6.5	5.3	4.7	4.1	3.5	2.4	3.0	3.5	4.1
142.5°	7.1	6.5	5.3	4.1	3.5	3.0	2.4	1.8	2.4	2.4	3.0
145°	5.9	5.3	4.1	3.0	2.4	1.8	1.2	1.2	1.2	1.2	1.8
147.5°	4.7	4.1	3.0	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2
150°	3.5	3.5	2.4	1.2	0.6	0.6	0.0	0.6	0.6	0.6	0.6
152.5°	3.0	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6
155°	1.8	1.8	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.6	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



REPORT NUMBER: P415409

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2	151.2
2.5°	150.0	148.8	147.6	146.4	145.3	144.7	142.9	141.7	141.7	141.7	141.1
5°	151.7	149.4	146.4	144.1	141.1	138.8	137.0	135.2	134.0	134.0	134.0
7.5°	155.9	153.5	148.2	143.5	139.3	135.8	133.4	131.7	131.1	130.5	130.5
10°	165.3	161.2	154.1	147.0	141.1	136.4	134.0	132.9	132.3	132.3	132.3
12.5°	186.6	180.7	170.0	158.2	148.2	141.1	138.8	138.8	142.3	144.1	144.1
15°	214.9	209.6	197.2	180.7	164.7	152.9	151.2	155.3	160.0	162.4	161.8
17.5°	253.9	246.8	230.3	208.4	187.2	175.4	170.0	174.2	180.1	183.0	183.0
20°	299.9	292.9	270.4	240.9	214.9	201.9	193.7	193.7	201.3	203.7	204.9
22.5°	363.1	352.5	320.6	279.9	246.2	226.1	216.1	214.3	223.2	227.3	226.1
25°	434.0	425.7	388.5	327.7	284.0	251.5	238.0	238.0	249.2	258.6	259.2
27.5°	533.2	512.5	460.6	386.2	320.6	275.1	260.4	263.3	275.1	284.6	284.6
30°	637.1	622.3	546.2	448.2	356.0	297.0	275.7	280.5	291.1	301.7	301.7
32.5°	762.9	738.1	644.2	509.6	388.5	311.2	284.0	290.5	302.9	313.5	313.5
35°	885.7	865.6	742.8	573.9	416.9	317.1	287.5	295.2	309.4	322.4	323.6
37.5°	1028.6	984.9	839.0	631.8	437.5	318.3	286.4	299.9	318.8	333.6	334.2
40°	1114.2	1061.6	904.0	674.9	447.0	314.1	286.4	303.5	319.4	324.7	324.2
42.5°	1215.7	1149.6	949.4	680.2	435.2	305.9	285.8	299.4	306.4	306.4	305.9
45°	1352.1	1277.7	1021.5	683.1	411.0	295.8	281.1	289.9	288.1	282.8	281.1
47.5°	1519.2	1428.9	1113.0	693.8	387.3	285.8	275.7	278.1	269.8	258.0	257.4
50°	1718.8	1612.5	1220.5	705.0	366.7	277.5	271.0	268.7	260.4	250.4	249.2
52.5°	1906.0	1777.8	1317.9	712.7	349.5	272.2	267.5	266.9	258.6	245.6	244.4
55°	2075.4	1921.9	1383.4	697.9	334.2	269.8	267.5	268.1	257.4	244.4	242.7
57.5°	2320.5	2152.2	1487.3	676.1	315.9	269.2	269.2	269.8	256.8	244.4	242.7
60°	2533.6	2346.4	1589.5	674.3	298.2	268.7	269.8	269.2	259.8	252.1	250.4
62.5°	2606.8	2428.5	1594.2	631.8	287.0	265.7	267.5	270.4	268.7	265.1	263.3
65°	2745.0	2550.1	1614.3	584.0	271.0	260.4	264.5	272.2	273.4	271.0	269.2
66°	2735.0	2533.0	1594.8	569.2	265.7	257.4	262.7	271.0	273.4	272.8	271.6
67.5°	2685.4	2488.7	1530.4	527.3	258.0	252.1	259.8	268.1	273.4	275.1	274.0
70°	2551.3	2355.3	1402.3	464.1	243.3	239.7	250.4	261.0	269.8	272.8	272.2
72.5°	2174.0	1987.5	1173.2	396.2	222.6	222.0	234.4	247.4	258.0	261.0	259.8
75°	1825.1	1641.4	963.6	326.5	201.3	201.9	213.7	226.1	234.4	234.4	235.0
77.5°	1463.1	1307.8	763.5	271.0	179.5	179.5	187.8	197.8	203.1	200.8	197.2
80°	1125.4	1022.7	596.4	226.7	157.6	156.5	160.6	168.3	172.4	167.1	163.0
82.5°	908.7	820.1	471.8	188.9	136.4	135.2	137.0	142.3	144.7	138.8	137.0
85°	689.6	609.9	354.9	155.3	118.1	115.1	118.1	119.3	122.2	116.9	113.4
87.5°	487.7	432.2	257.4	129.3	101.0	99.2	98.6	99.8	101.6	98.0	96.2
90°	327.7	287.5	186.0	108.1	86.2	83.3	82.1	82.1	83.3	77.3	75.6
92.5°	210.2	186.0	129.3	86.2	72.0	68.5	66.1	66.7	66.1	60.2	59.0
95°	131.1	118.7	93.3	67.9	57.9	54.9	52.5	52.0	51.4	47.2	46.1
97.5°	85.6	81.5	69.7	53.7	46.1	43.7	42.5	41.9	41.9	39.0	37.2
100°	63.8	62.0	54.9	44.9	37.8	36.0	34.8	34.8	36.0	33.7	32.5
102.5°	49.6	50.2	44.9	37.8	31.9	30.7	29.5	29.5	30.7	29.5	28.9
105°	37.8	37.8	36.6	31.3	27.2	26.6	25.4	25.4	26.6	26.6	26.6
107.5°	29.5	30.7	29.5	26.0	23.6	23.0	21.8	21.8	23.0	23.6	24.2



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CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	23.6	24.8	24.2	22.4	20.7	20.1	18.9	18.3	19.5	21.3	21.3
112.5°	18.9	20.1	20.1	18.9	17.7	17.7	16.5	15.9	17.1	18.9	18.9
115°	15.9	17.1	17.1	16.5	15.9	15.4	14.2	13.6	14.8	16.5	17.1
117.5°	13.6	14.8	14.8	14.8	14.2	13.6	12.4	11.8	12.4	14.2	14.8
120°	12.4	13.0	13.0	13.0	12.4	12.4	11.2	10.6	11.2	13.0	13.0
122.5°	10.6	11.2	11.8	11.8	11.2	11.2	10.0	8.9	9.4	11.2	11.8
125°	9.4	10.0	10.6	10.6	10.0	10.0	8.9	8.3	8.9	10.0	10.6
127.5°	8.9	9.4	9.4	9.4	9.4	8.9	7.7	7.1	7.7	9.4	9.4
130°	8.3	8.9	8.9	8.9	8.3	7.7	7.1	6.5	7.1	8.9	8.9
132.5°	7.7	8.3	8.3	7.7	7.7	7.1	5.9	5.3	6.5	7.7	7.7
135°	6.5	7.1	7.1	7.1	6.5	5.9	5.3	4.7	5.9	6.5	6.5
137.5°	5.3	5.9	5.9	5.9	5.3	4.7	4.1	4.1	4.7	5.9	5.9
140°	4.1	4.7	4.7	4.7	4.1	4.1	3.5	3.0	4.1	4.7	4.7
142.5°	3.0	3.5	3.5	3.5	3.0	3.0	2.4	2.4	3.5	4.1	4.1
145°	1.8	2.4	2.4	2.4	2.4	1.8	1.8	1.8	2.4	3.0	3.0
147.5°	1.2	1.8	1.8	1.8	1.8	1.2	0.6	1.2	1.8	2.4	2.4
150°	0.6	1.2	1.2	1.2	1.2	0.6	0.0	0.6	1.2	1.8	1.8
152.5°	0.6	0.6	1.2	1.2	0.6	0.6	0.0	0.0	0.6	0.6	0.6
155°	0.0	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.6	0.6	0.0
157.5°	0.0	0.0	0.0	0.6	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)