

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: P415834

Luminaire Tested: **LXF.LXT-PA1-60-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5935 lumens
Efficiency: N/A
Efficacy: 92.7 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

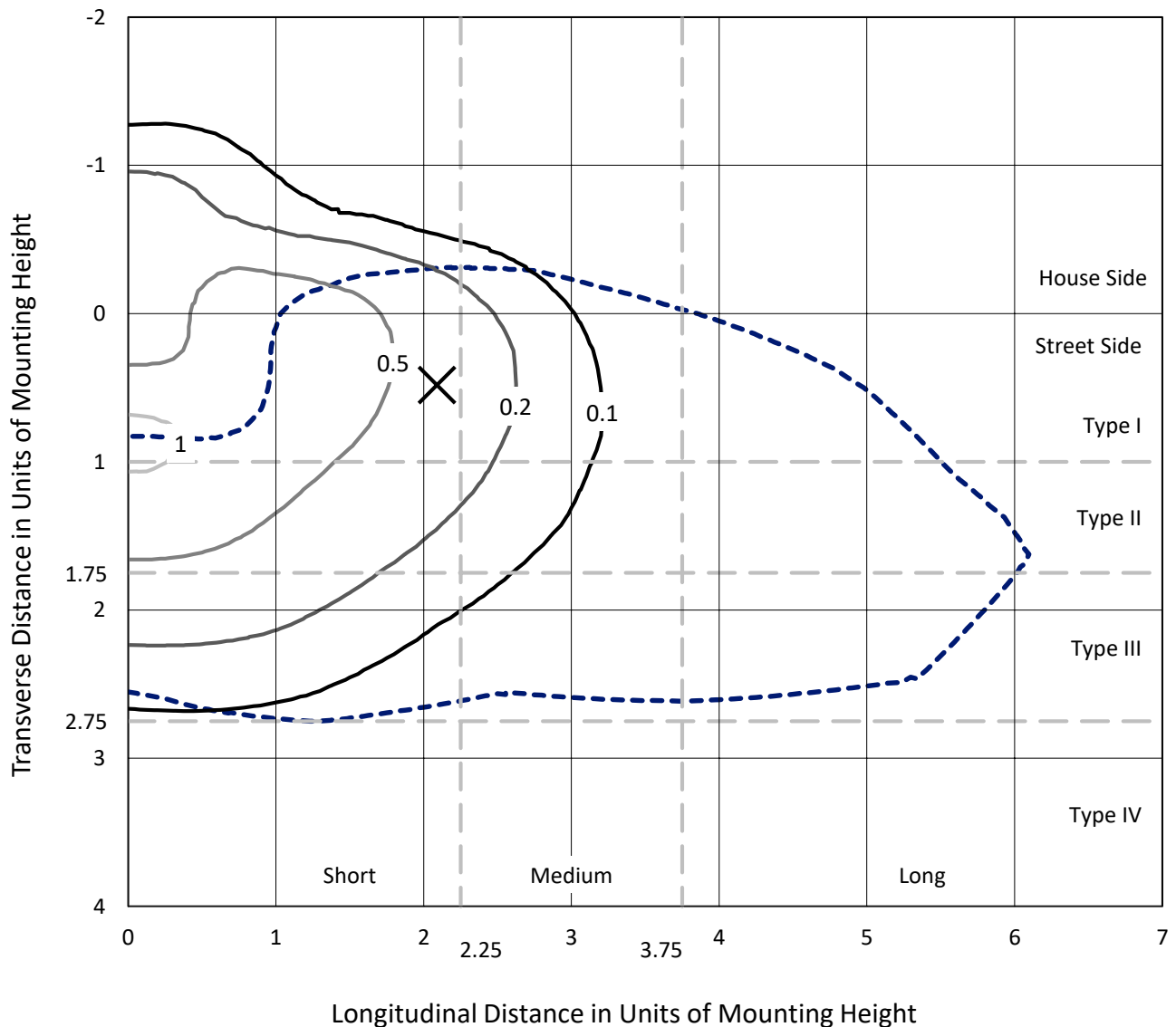
Input Watts (W): 64
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415834
 CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

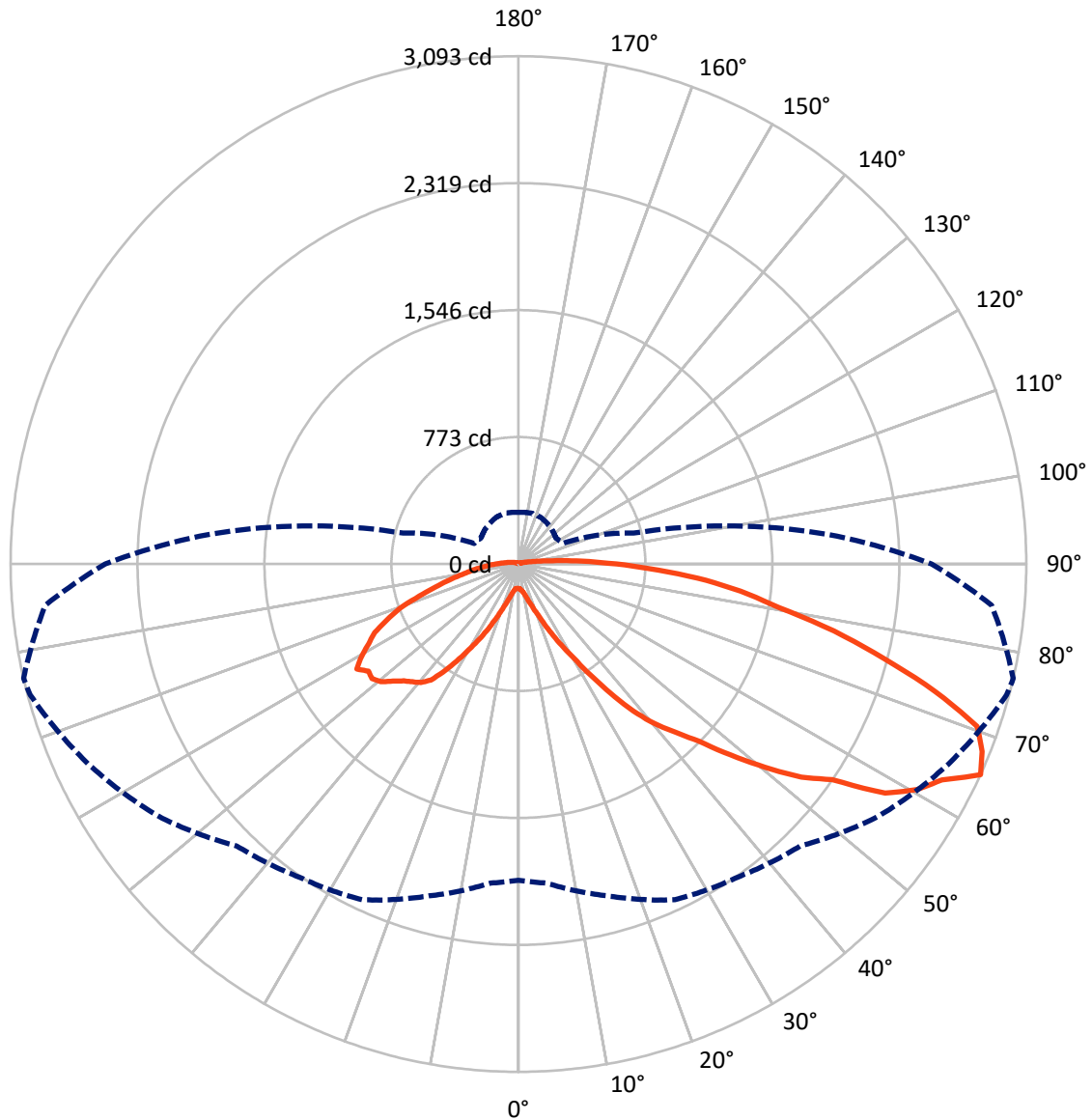


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1307.8	93.0	1400.8
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4417.9	116.3	4534.2
	% Fixture	74.4	2.0	76.4
Total	Lumens	5725.7	209.3	5935.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.3	0.3
10°-20°	65.0	1.1
20°-30°	190.5	3.2
30°-40°	456.0	7.7
40°-50°	821.1	13.8
50°-60°	1249.0	21.0
60°-70°	1473.3	24.8
70°-80°	1015.3	17.1
80°-90°	440.2	7.4
90°-100°	128.5	2.2
100°-110°	40.2	0.7
110°-120°	18.8	0.3
120°-130°	11.1	0.2
130°-140°	6.8	0.1
140°-150°	2.9	0.0
150°-160°	0.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5725.7	96.5
0°-180°	5935.0	100.0



REPORT NUMBER: P415834

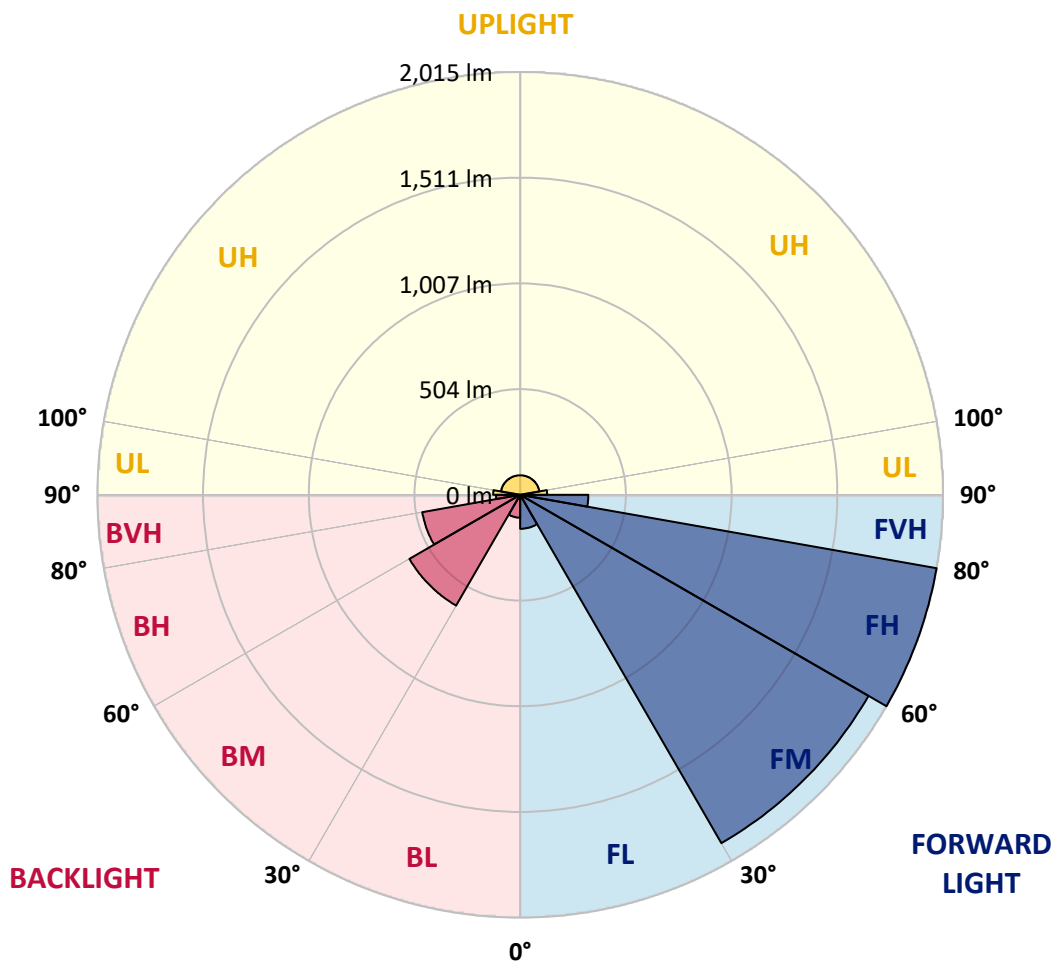
CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.8	2.7			
FM	(30°-60°)	1916.6	32.3			
FH	(60°-80°)	2014.8	33.9			G2/5000
FVH	(80°-90°)	324.8	5.5			G3/500
BL	(0°-30°)	109.0	1.8	B0/110		
BM	(30°-60°)	609.5	10.3	B1/1000		
BH	(60°-80°)	473.8	8.0	B1/500		G1/500
BVH	(80°-90°)	115.4	1.9			G2/225
UL	(90°-100°)	128.5	2.2		U3/500	
UH	(100°-180°)	93.0	1.6		U3/500	

BUG Rating: B1-U3-G3

Type III Short





REPORT NUMBER: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4
2.5°	160.3	159.6	159.6	160.3	159.0	157.6	155.5	153.5	151.5	151.5	150.1
5°	173.3	172.6	172.6	172.6	169.9	167.8	163.0	160.3	157.6	156.2	154.2
7.5°	190.3	188.3	189.0	188.3	184.2	180.1	175.3	169.9	166.5	165.8	161.7
10°	212.8	211.5	210.1	207.4	203.3	196.5	189.7	184.9	180.1	179.4	174.6
12.5°	244.9	243.5	240.8	234.7	225.8	217.6	210.8	205.3	202.6	201.3	196.5
15°	283.8	279.7	278.3	268.8	256.5	247.0	239.5	236.0	233.3	233.3	227.2
17.5°	329.5	329.5	322.7	309.7	294.0	282.4	274.9	268.8	270.8	270.2	266.7
20°	386.1	384.8	374.5	357.5	338.4	327.5	317.9	314.5	317.2	320.0	320.0
22.5°	468.0	464.6	448.9	423.0	395.0	377.3	370.4	369.8	380.7	384.1	388.2
25°	560.1	555.3	535.5	504.2	469.4	442.1	432.5	440.0	459.8	467.3	475.5
27.5°	671.3	668.6	638.5	595.6	554.0	518.5	507.6	530.8	557.4	560.1	576.5
30°	814.6	815.9	775.0	712.9	642.0	605.1	592.8	620.8	660.4	663.1	695.9
32.5°	980.3	980.3	918.9	843.9	752.5	700.6	689.0	734.1	796.1	805.7	837.1
35°	1191.8	1179.5	1101.1	993.3	878.7	801.6	800.2	870.5	955.8	965.3	999.4
37.5°	1381.5	1389.0	1309.2	1168.6	1013.8	925.1	936.7	1026.0	1133.8	1136.6	1173.4
40°	1586.8	1595.0	1500.9	1354.2	1163.9	1064.2	1087.4	1170.7	1277.8	1279.8	1292.8
42.5°	1747.8	1769.0	1681.0	1528.2	1335.8	1222.5	1228.0	1305.7	1388.3	1398.5	1407.4
45°	1844.0	1859.7	1811.3	1689.2	1487.2	1380.8	1367.8	1431.3	1539.1	1536.3	1549.3
47.5°	1995.5	2013.9	1939.5	1828.3	1657.8	1526.1	1509.7	1592.3	1724.6	1738.3	1726.0
50°	2152.4	2176.9	2123.0	1993.4	1817.4	1689.2	1691.2	1785.3	1939.5	1944.3	1951.8
52.5°	2262.2	2279.9	2258.8	2168.7	1981.8	1865.2	1883.6	1996.1	2147.6	2156.5	2126.4
55°	2279.3	2306.6	2323.6	2303.1	2161.9	2046.6	2093.7	2206.3	2308.6	2316.1	2292.9
57.5°	2273.8	2296.3	2332.5	2348.2	2277.2	2233.6	2294.3	2409.6	2606.7	2632.0	2620.4
60°	2267.7	2284.0	2359.1	2382.3	2342.0	2376.8	2473.7	2679.0	2787.5	2789.6	2683.8
62.5°	2097.1	2124.4	2265.6	2382.3	2371.4	2437.5	2649.7	2792.3	2878.2	2893.9	2793.0
65°	1925.9	1949.8	2091.7	2255.4	2327.7	2427.3	2677.0	2887.1	3078.1	3092.5	2892.6
67.5°	1678.2	1715.8	1870.6	2067.8	2156.5	2315.4	2605.4	2920.5	3039.2	3045.4	2816.8
70°	1367.1	1418.3	1593.0	1801.0	1907.5	2068.5	2445.0	2801.2	2966.9	2963.5	2691.3
72.5°	985.1	1030.8	1190.5	1437.4	1603.9	1779.9	2151.7	2563.7	2657.9	2654.5	2289.5
75°	669.2	693.8	813.9	1039.7	1279.1	1485.9	1853.6	2224.0	2303.8	2297.7	1961.4
77.5°	438.7	466.6	544.4	737.5	960.6	1198.6	1556.1	1861.8	1987.3	1964.8	1662.5
80°	268.8	284.5	348.6	498.0	727.9	967.4	1286.6	1575.2	1640.0	1607.3	1357.6
82.5°	167.8	180.1	225.8	328.8	522.6	747.0	1055.4	1326.2	1398.5	1361.7	1116.8
85°	103.0	109.2	140.5	216.3	354.7	549.2	848.7	1075.8	1120.2	1093.6	841.8
87.5°	75.0	76.4	96.2	146.0	239.5	393.0	624.9	810.5	842.5	793.4	590.1
90°	55.3	58.0	70.9	103.0	166.5	266.7	430.5	570.3	578.5	548.5	394.3
92.5°	41.6	43.0	53.2	73.0	114.6	182.2	287.2	382.0	374.5	353.4	244.9
95°	30.0	30.7	38.2	51.8	80.5	122.1	182.8	239.5	215.6	206.7	148.7
97.5°	24.6	25.2	30.7	40.3	59.4	86.0	118.0	142.6	126.9	121.4	95.5
100°	21.1	21.1	25.9	33.4	46.4	64.1	78.5	89.4	81.9	79.1	67.5
102.5°	19.1	19.1	22.5	28.0	38.2	50.5	58.0	61.4	57.3	55.3	49.8
105°	17.1	17.1	19.8	23.9	32.1	40.9	44.3	45.0	40.9	40.3	38.2
107.5°	15.7	15.7	17.7	21.1	27.3	34.1	35.5	33.4	31.4	30.0	30.0
110°	13.6	14.3	15.7	18.4	23.9	28.7	28.7	25.9	23.2	23.2	23.9



REPORT NUMBER: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	13.0	13.0	14.3	17.1	21.1	24.6	23.2	20.5	18.4	18.4	19.8
115°	11.6	11.6	13.0	15.7	19.1	21.1	19.8	17.1	15.0	15.7	17.1
117.5°	10.9	10.9	12.3	14.3	17.1	18.4	17.1	14.3	13.0	13.6	15.7
120°	10.9	10.9	12.3	13.6	15.7	16.4	15.0	12.3	11.6	11.6	13.6
122.5°	10.9	10.9	11.6	13.6	15.0	15.0	13.0	10.9	10.2	10.2	12.3
125°	10.9	10.9	12.3	13.6	13.6	13.6	11.6	9.6	8.9	9.6	10.9
127.5°	11.6	11.6	12.3	13.0	13.0	12.3	10.2	8.9	8.2	8.9	10.2
130°	11.6	11.6	12.3	13.0	12.3	10.9	9.6	8.2	8.2	8.2	10.2
132.5°	11.6	11.6	12.3	12.3	11.6	9.6	8.2	6.8	7.5	8.2	9.6
135°	10.9	10.9	10.9	10.9	10.2	8.9	6.8	6.1	6.8	7.5	8.9
137.5°	10.2	10.2	10.2	10.2	8.9	7.5	5.5	4.8	6.1	6.1	7.5
140°	8.9	8.9	9.6	8.9	8.2	6.1	4.8	3.4	4.8	4.8	6.1
142.5°	8.2	8.2	8.2	8.2	6.8	5.5	3.4	3.4	4.1	4.1	4.8
145°	6.8	6.8	7.5	6.8	5.5	4.1	2.7	2.7	3.4	3.4	4.1
147.5°	5.5	6.1	6.1	5.5	4.8	3.4	2.0	2.0	2.7	2.7	3.4
150°	4.8	4.8	4.8	4.8	3.4	2.0	1.4	2.0	2.7	2.7	2.7
152.5°	3.4	3.4	4.1	4.1	2.7	1.4	1.4	2.0	2.0	2.0	2.7
155°	2.7	2.7	3.4	2.7	2.0	0.7	1.4	1.4	2.0	2.0	2.0
157.5°	1.4	1.4	2.0	2.0	1.4	0.7	0.7	1.4	1.4	1.4	2.0
160°	0.7	0.7	2.0	2.0	1.4	0.7	0.7	0.7	1.4	1.4	1.4
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: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4	149.4
2.5°	149.4	148.0	147.4	146.0	144.6	143.3	143.3	143.3	142.6	141.9	142.6
5°	152.1	151.5	148.0	145.3	142.6	141.2	139.9	139.2	139.2	137.8	137.8
7.5°	159.6	156.9	152.1	147.4	144.6	141.9	139.9	139.2	138.5	137.1	137.1
10°	171.2	167.8	162.4	154.9	150.1	145.3	143.3	143.3	142.6	141.9	141.9
12.5°	193.1	189.0	179.4	169.2	159.6	152.8	151.5	153.5	157.6	158.3	158.3
15°	225.1	220.4	208.1	191.7	176.7	167.1	168.5	174.0	179.4	181.5	181.5
17.5°	264.7	259.2	241.5	217.6	197.8	189.0	188.3	195.8	203.3	207.4	207.4
20°	317.9	309.0	285.8	251.7	224.4	214.2	210.1	216.9	228.5	233.3	232.0
22.5°	384.1	373.9	341.1	289.3	255.1	236.7	231.3	238.8	253.1	259.2	258.6
25°	471.4	461.2	408.0	336.3	285.2	256.5	253.1	264.0	285.2	297.4	296.1
27.5°	573.1	556.0	485.1	388.9	314.5	272.9	273.6	292.0	313.8	327.5	326.1
30°	681.5	659.7	562.8	439.3	341.8	291.3	289.9	311.8	334.3	348.6	348.6
32.5°	824.8	792.7	652.9	487.8	362.9	305.6	300.9	325.4	348.6	363.6	362.9
35°	978.3	935.3	747.0	538.9	380.7	313.1	307.7	332.9	356.8	374.5	374.5
37.5°	1154.3	1081.3	835.0	574.4	393.0	317.2	309.7	338.4	367.7	386.1	384.8
40°	1247.1	1165.2	877.3	590.1	395.0	317.9	313.1	343.2	367.7	374.5	371.1
42.5°	1350.8	1245.0	895.1	571.0	387.5	316.5	315.2	338.4	349.3	347.2	345.2
45°	1481.8	1339.2	912.1	547.1	369.8	314.5	311.8	325.4	326.1	317.9	315.2
47.5°	1648.9	1468.8	940.1	518.5	352.0	309.7	306.3	312.5	300.9	285.8	281.1
50°	1828.3	1618.9	974.9	493.9	335.6	303.6	300.2	298.1	286.5	271.5	268.8
52.5°	1984.5	1720.5	984.4	468.0	324.7	299.5	295.4	293.4	282.4	265.4	262.0
55°	2124.4	1807.2	951.0	429.1	315.9	296.8	295.4	295.4	283.8	266.1	262.7
57.5°	2400.7	2014.6	963.3	389.5	304.3	296.1	298.1	298.8	287.9	270.8	267.4
60°	2408.9	1975.0	891.6	361.6	294.0	296.1	300.9	302.2	294.7	283.1	281.1
62.5°	2487.3	1976.4	795.5	325.4	287.2	294.7	302.9	307.7	308.4	301.5	300.2
65°	2516.0	1947.7	725.9	296.8	277.7	291.3	303.6	315.2	319.3	315.9	314.5
67.5°	2406.2	1816.0	631.0	277.7	268.1	285.8	302.9	317.2	326.1	328.1	328.1
70°	2261.5	1668.0	546.5	259.2	257.9	278.3	298.1	317.2	329.5	335.0	335.0
72.5°	1894.5	1369.9	450.9	240.1	244.2	266.7	287.9	311.1	324.7	329.5	327.5
75°	1584.8	1127.7	371.1	223.8	230.6	252.4	273.6	296.1	305.6	308.4	306.3
77.5°	1340.5	938.0	304.9	208.8	214.2	234.0	253.1	268.8	274.9	273.6	270.2
80°	1080.6	732.0	250.4	190.3	195.8	211.5	225.1	237.4	243.5	240.1	238.1
82.5°	860.3	581.9	213.5	174.0	176.0	189.0	198.5	208.1	218.3	215.6	210.1
85°	636.5	428.4	181.5	156.2	156.2	165.8	170.6	179.4	193.7	193.1	191.0
87.5°	435.2	304.9	154.2	138.5	137.8	143.3	146.0	155.5	174.0	174.6	172.6
90°	286.5	208.8	128.9	120.1	118.7	122.8	124.8	133.0	148.0	149.4	146.7
92.5°	186.2	144.6	105.7	101.6	101.0	104.4	103.7	109.2	119.4	118.7	116.7
95°	119.4	101.0	86.0	83.9	81.9	86.0	84.6	86.0	91.4	90.1	90.1
97.5°	82.5	77.1	70.9	67.5	66.2	70.3	68.9	68.9	71.6	68.9	67.5
100°	63.4	61.4	58.7	55.9	53.2	56.6	56.6	56.6	58.7	54.6	53.2
102.5°	49.1	48.4	48.4	46.4	44.3	47.1	47.8	48.4	47.8	43.7	43.0
105°	38.9	38.9	40.3	38.2	37.5	39.6	40.3	39.6	39.6	36.2	36.2
107.5°	30.7	32.1	33.4	32.1	32.1	33.4	33.4	33.4	32.1	30.0	30.7
110°	25.2	26.6	28.7	27.3	27.3	28.7	28.0	27.3	26.6	25.9	25.9



REPORT NUMBER: P415834

CATALOG NUMBER: LXF.LXT-PA1-60-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.8	22.5	23.9	23.2	23.9	24.6	23.9	22.5	22.5	22.5	23.2
115°	18.4	19.8	21.1	20.5	20.5	21.1	19.8	19.1	19.1	19.8	19.8
117.5°	16.4	17.7	18.4	18.4	17.7	18.4	17.1	16.4	17.1	17.7	17.7
120°	15.0	15.7	16.4	16.4	15.7	15.7	15.0	14.3	15.0	15.7	16.4
122.5°	13.6	14.3	14.3	15.0	14.3	13.6	13.0	13.0	13.6	14.3	14.3
125°	12.3	13.0	13.0	13.0	13.0	12.3	11.6	11.6	12.3	13.0	13.6
127.5°	10.9	11.6	11.6	12.3	11.6	10.9	10.2	10.9	11.6	12.3	12.3
130°	10.9	10.9	10.9	10.9	10.2	9.6	9.6	9.6	10.9	11.6	11.6
132.5°	10.2	10.9	10.2	10.2	9.6	8.2	8.2	8.9	10.2	10.9	10.9
135°	9.6	9.6	8.9	8.9	8.2	7.5	6.8	8.2	8.9	9.6	9.6
137.5°	8.2	8.2	7.5	6.8	6.8	6.1	6.1	6.8	8.2	8.9	8.9
140°	6.1	6.8	6.1	5.5	5.5	4.8	5.5	6.1	7.5	7.5	7.5
142.5°	4.8	5.5	4.8	4.1	4.1	4.1	4.1	5.5	6.8	6.8	6.8
145°	4.1	4.1	4.1	3.4	2.7	2.7	3.4	4.8	6.1	6.1	6.1
147.5°	3.4	3.4	3.4	2.7	2.0	2.0	2.7	4.1	4.8	4.8	4.8
150°	2.7	2.7	2.7	2.7	2.0	1.4	2.0	3.4	4.1	4.1	4.1
152.5°	2.7	2.7	2.7	2.0	1.4	0.7	1.4	2.7	3.4	3.4	3.4
155°	2.0	2.0	2.0	2.0	1.4	0.7	0.7	2.0	2.7	2.7	2.7
157.5°	2.0	2.0	2.0	1.4	0.7	0.0	0.7	2.0	2.7	2.0	2.0
160°	1.4	1.4	1.4	1.4	0.7	0.0	0.7	1.4	2.0	1.4	1.4
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)