

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: P415911

Luminaire Tested: **LXF.LXT-PA1-60-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6958 lumens
Efficiency: N/A
Efficacy: 108.7 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: B1 - U3 - G3

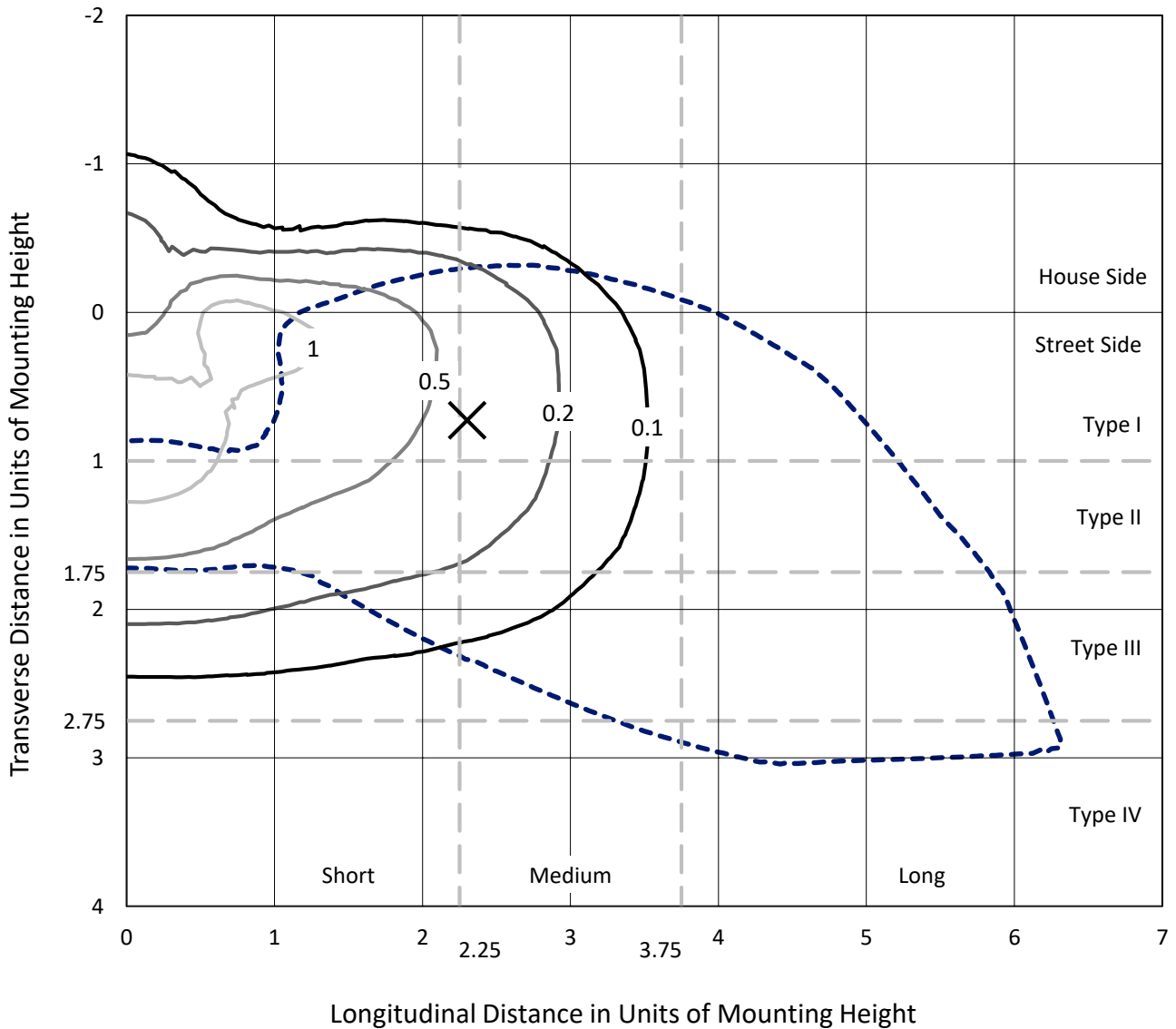
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415911
 CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

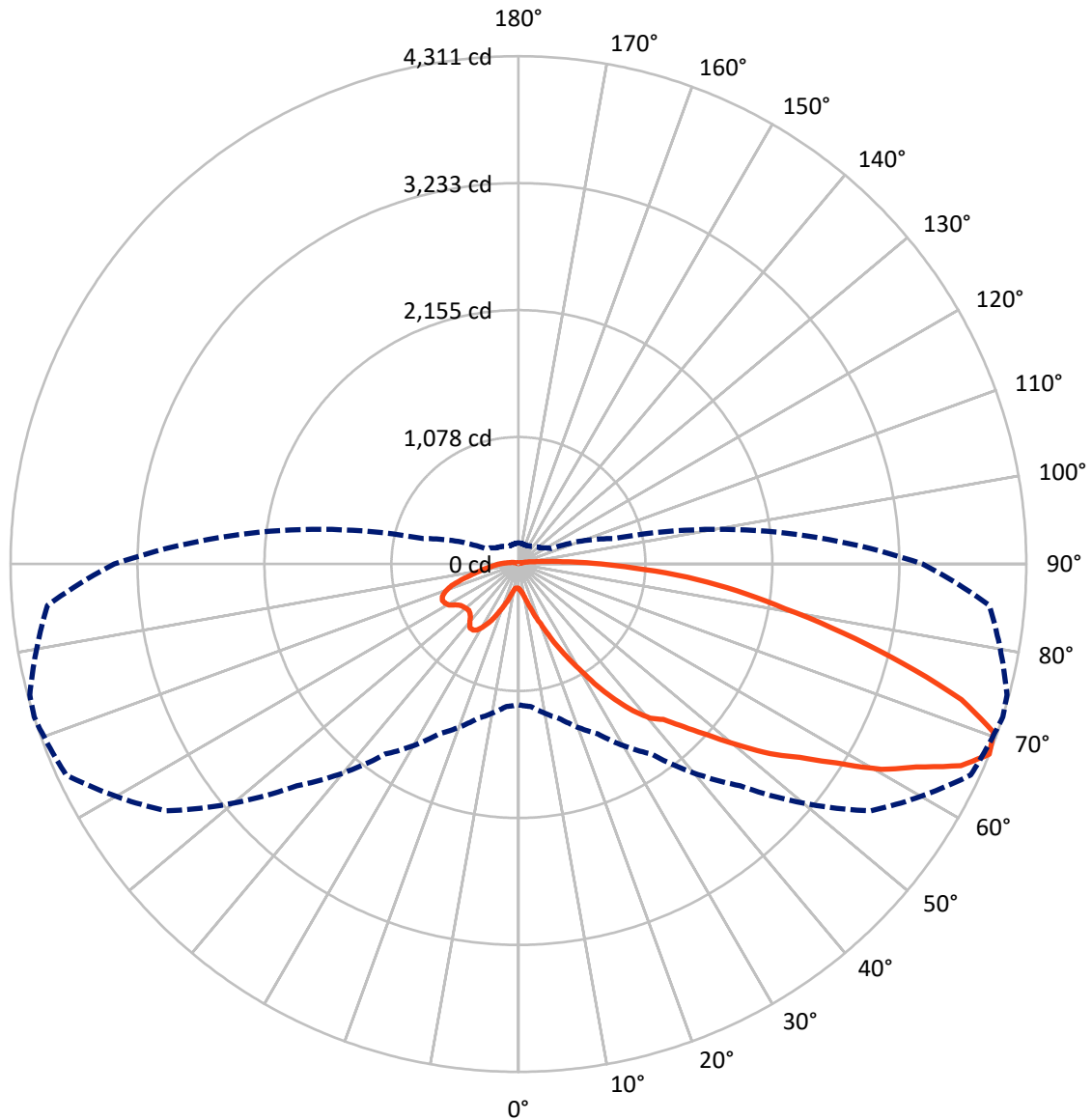
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415911
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P415911

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1217.5	107.0	1324.5
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	5482.2	151.3	5633.5
	% Fixture	78.8	2.2	81.0
Total	Lumens	6699.7	258.3	6958.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	0.3
10°-20°	93.9	1.3
20°-30°	260.2	3.7
30°-40°	559.5	8.0
40°-50°	947.1	13.6
50°-60°	1389.5	20.0
60°-70°	1657.2	23.8
70°-80°	1237.5	17.8
80°-90°	533.0	7.7
90°-100°	154.6	2.2
100°-110°	50.3	0.7
110°-120°	23.6	0.3
120°-130°	14.4	0.2
130°-140°	9.2	0.1
140°-150°	4.1	0.1
150°-160°	1.4	0.0
160°-170°	0.5	0.0
170°-180°	0.2	0.0
0°-90°	6699.7	96.3
0°-180°	6958.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415911

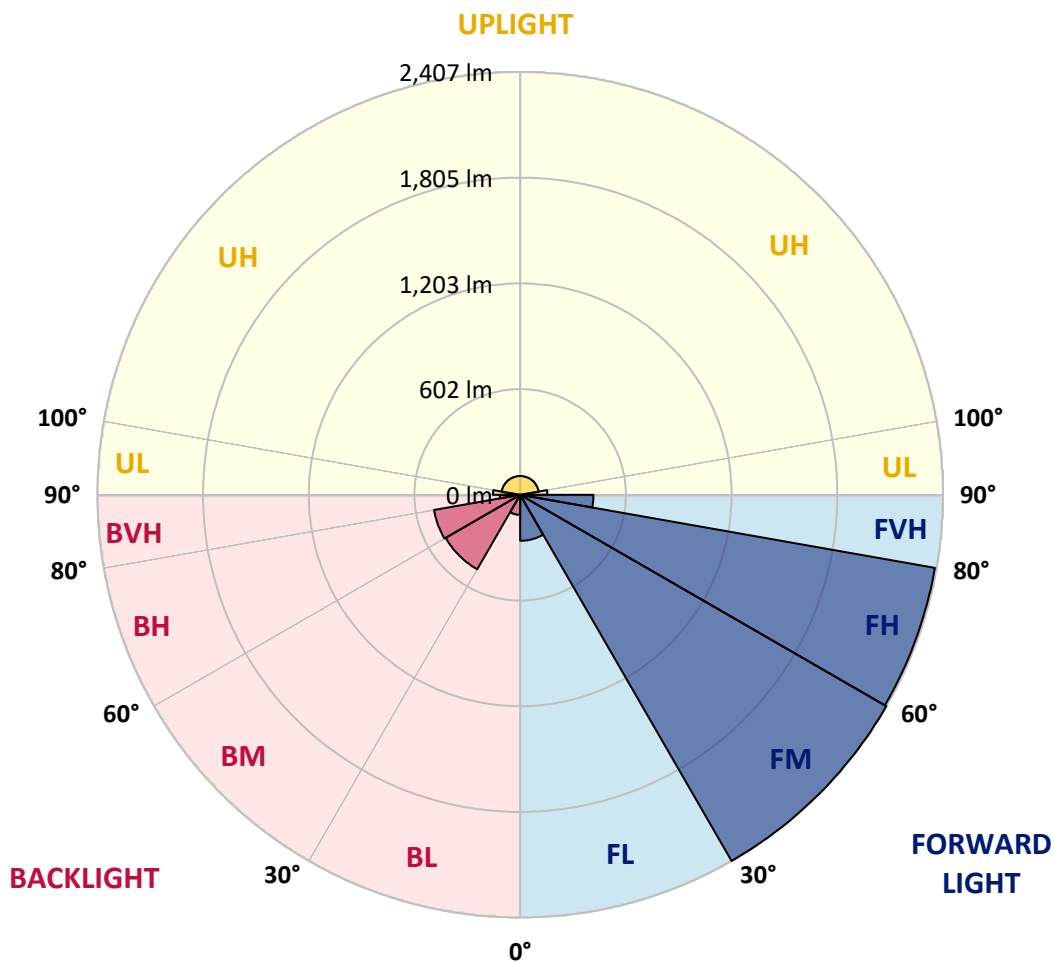
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	261.8	3.8			
FM	(30°-60°)	2406.5	34.6			
FH	(60°-80°)	2396.9	34.4			G2/5000
FVH	(80°-90°)	416.9	6.0			G3/500
BL	(0°-30°)	114.1	1.6	B1/500		
BM	(30°-60°)	489.6	7.0	B1/1000		
BH	(60°-80°)	497.8	7.2	B1/500		G1/500
BVH	(80°-90°)	116.1	1.7			G2/225
UL	(90°-100°)	154.6	2.2		U3/500	
UH	(100°-180°)	107.0	1.5		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium





REPORT NUMBER: P415911

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	228.4	230.1	231.7	230.9	230.1	227.6	223.5	219.4	215.4	215.4	212.1
5°	261.1	260.2	259.4	260.2	256.2	250.4	243.9	236.6	230.9	229.2	221.1
7.5°	298.6	296.9	298.6	293.7	288.0	280.6	270.8	261.1	251.3	249.6	236.6
10°	343.4	341.8	341.0	336.9	326.3	315.7	305.9	290.4	283.1	280.6	263.5
12.5°	399.7	398.9	394.0	385.9	372.0	361.4	347.5	339.4	332.0	326.3	309.2
15°	464.2	465.8	460.1	443.0	425.8	409.5	403.0	396.5	390.8	388.3	373.6
17.5°	554.7	551.5	538.4	512.3	484.6	471.5	465.8	461.7	467.4	465.8	443.0
20°	666.5	658.3	637.9	593.1	558.8	537.6	532.7	540.0	543.3	551.5	536.0
22.5°	797.8	787.2	753.0	702.4	652.6	612.7	607.8	629.8	650.2	652.6	646.1
25°	925.9	916.1	885.9	819.9	753.0	699.9	688.5	737.5	778.3	785.6	794.6
27.5°	1057.3	1052.4	1008.3	936.5	863.1	796.2	794.6	847.6	911.2	928.4	943.9
30°	1206.5	1218.0	1162.5	1071.9	979.8	902.3	898.2	976.5	1054.8	1091.5	1117.6
32.5°	1417.0	1407.2	1337.9	1236.7	1099.7	1009.1	1014.8	1106.2	1238.4	1269.4	1303.6
35°	1658.5	1661.8	1567.1	1409.7	1248.2	1136.4	1132.3	1259.6	1412.9	1439.0	1496.1
37.5°	1856.7	1873.0	1802.9	1621.8	1414.6	1270.2	1275.9	1418.7	1580.2	1632.4	1682.1
40°	2069.6	2084.3	2002.8	1826.5	1595.7	1417.8	1426.0	1564.7	1718.9	1761.3	1773.5
42.5°	2302.1	2316.8	2218.1	2009.3	1748.2	1595.7	1563.9	1669.9	1804.5	1857.5	1868.1
45°	2520.0	2545.2	2445.7	2200.2	1918.7	1755.6	1707.4	1793.1	1969.3	2018.3	2029.7
47.5°	2586.9	2617.0	2573.8	2373.1	2081.9	1893.4	1861.6	1980.7	2170.8	2243.4	2228.7
50°	2651.3	2679.0	2652.9	2475.1	2217.3	2053.3	2060.7	2199.4	2414.7	2507.7	2496.3
52.5°	2661.1	2689.6	2662.7	2537.9	2333.1	2214.9	2296.4	2460.4	2674.1	2741.9	2725.5
55°	2677.4	2696.2	2671.7	2530.6	2417.2	2387.0	2541.2	2728.0	2897.7	2978.4	2951.5
57.5°	2450.6	2458.0	2546.9	2509.4	2435.1	2577.9	2816.9	2985.8	3185.6	3306.4	3292.5
60°	2124.3	2139.8	2249.9	2336.4	2422.9	2714.1	3087.7	3343.1	3538.9	3618.0	3543.0
62.5°	1855.9	1873.0	1988.9	2099.8	2319.3	2774.5	3370.8	3662.9	3791.8	3863.6	3774.6
65°	1495.3	1508.4	1649.5	1867.3	2150.4	2750.8	3582.9	3995.7	4125.4	4154.0	3981.8
67.5°	1195.1	1214.7	1358.3	1590.8	1969.3	2661.1	3652.3	4235.6	4310.6	4293.5	4012.0
70°	889.2	899.0	1074.4	1369.7	1754.8	2465.3	3586.2	4289.4	4278.0	4256.0	3870.1
72.5°	612.7	611.0	775.8	1063.8	1531.2	2241.8	3278.6	3985.1	3931.3	3874.2	3385.5
75°	395.7	417.7	520.5	773.4	1238.4	1918.7	2880.5	3460.6	3369.2	3278.6	2789.2
77.5°	266.8	282.3	365.5	553.9	946.3	1613.6	2479.2	2971.9	2819.4	2737.0	2251.6
80°	183.6	190.1	253.7	407.1	704.0	1280.0	2030.5	2459.6	2293.2	2195.3	1747.4
82.5°	128.9	133.8	177.0	300.2	530.3	956.1	1621.0	2046.0	1871.4	1800.4	1357.5
85°	93.0	96.3	127.3	223.5	403.0	717.9	1233.5	1591.6	1439.9	1385.2	970.0
87.5°	69.3	72.6	96.3	165.6	310.0	545.8	920.2	1139.7	976.5	905.5	612.7
90°	51.4	54.7	74.2	124.0	242.3	411.2	666.5	779.1	633.9	574.3	390.8
92.5°	38.3	40.8	55.5	90.6	185.2	314.9	469.9	492.7	375.3	341.8	246.4
95°	28.6	30.2	41.6	66.1	132.2	229.2	307.6	288.0	221.1	200.7	155.8
97.5°	23.7	24.5	32.6	50.6	93.0	160.7	197.4	177.0	142.8	133.0	107.7
100°	19.6	20.4	26.1	38.3	67.7	110.1	130.5	115.0	99.5	95.4	84.0
102.5°	17.1	17.9	22.0	31.8	50.6	79.1	90.6	82.4	73.4	70.2	65.3
105°	15.5	15.5	19.6	26.9	41.6	59.6	66.1	60.4	54.7	53.0	52.2
107.5°	13.9	13.9	17.1	23.7	34.3	46.5	49.8	44.9	40.0	39.2	41.6
110°	13.1	13.1	15.5	21.2	29.4	38.3	39.2	33.4	30.2	30.2	33.4



REPORT NUMBER: P415911

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	12.2	12.2	14.7	18.8	26.1	31.8	31.0	26.1	23.7	23.7	27.7
115°	12.2	12.2	13.9	17.9	22.8	26.9	25.3	21.2	19.6	19.6	23.7
117.5°	12.2	13.1	13.9	17.1	21.2	23.7	22.0	17.9	17.1	17.1	21.2
120°	13.1	13.1	13.9	17.1	19.6	20.4	18.8	15.5	14.7	15.5	19.6
122.5°	13.1	13.1	14.7	17.1	18.8	18.8	16.3	13.9	13.9	13.9	17.9
125°	13.9	13.9	14.7	17.1	17.9	17.1	14.7	13.1	13.1	13.9	16.3
127.5°	14.7	14.7	15.5	17.1	17.1	15.5	13.9	12.2	12.2	13.1	16.3
130°	16.3	16.3	16.3	17.1	15.5	13.9	12.2	11.4	12.2	13.1	16.3
132.5°	16.3	16.3	16.3	16.3	14.7	12.2	11.4	10.6	12.2	13.1	15.5
135°	14.7	14.7	14.7	14.7	13.1	10.6	9.8	9.8	11.4	12.2	14.7
137.5°	13.1	13.1	13.1	12.2	11.4	9.8	8.2	8.2	9.8	10.6	13.1
140°	11.4	11.4	10.6	10.6	9.8	8.2	7.3	7.3	8.2	9.0	10.6
142.5°	9.0	9.0	9.0	9.0	8.2	6.5	5.7	5.7	7.3	8.2	9.0
145°	7.3	7.3	7.3	7.3	6.5	5.7	4.9	4.9	5.7	6.5	7.3
147.5°	5.7	5.7	6.5	6.5	5.7	4.9	3.3	4.1	4.9	4.9	5.7
150°	4.9	4.9	4.9	5.7	4.1	3.3	2.4	3.3	4.1	4.1	4.9
152.5°	4.1	4.1	4.1	4.1	3.3	1.6	2.4	3.3	3.3	4.1	4.1
155°	2.4	2.4	3.3	3.3	2.4	1.6	2.4	2.4	3.3	3.3	4.1
157.5°	1.6	1.6	2.4	2.4	2.4	1.6	1.6	2.4	2.4	2.4	3.3
160°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
162.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
165°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
167.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
170°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
172.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
175°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
177.5°	0.0	0.8	1.6	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P415911

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	209.7	208.0	204.8	201.5	198.2	195.0	194.2	192.5	191.7	190.9	191.7
5°	217.8	212.9	205.6	198.2	191.7	186.0	181.9	177.8	174.6	172.9	172.9
7.5°	232.5	224.3	212.1	199.9	188.4	178.7	172.1	166.4	162.3	160.7	159.9
10°	255.3	245.6	227.6	208.0	190.9	176.2	166.4	159.9	155.8	153.4	153.4
12.5°	295.3	283.9	255.3	225.2	197.4	177.0	164.0	157.4	153.4	152.6	153.4
15°	358.1	340.2	298.6	255.3	212.9	178.7	162.3	159.9	161.5	162.3	162.3
17.5°	431.6	407.1	354.1	288.8	230.1	186.0	168.9	167.2	169.7	172.1	173.8
20°	513.9	482.1	405.4	320.6	241.5	196.6	175.4	172.1	177.8	182.7	181.9
22.5°	618.4	580.0	470.7	345.1	249.6	199.1	177.8	174.6	184.4	190.1	191.7
25°	755.4	700.8	547.4	371.2	254.5	195.8	176.2	177.0	191.7	203.1	205.6
27.5°	904.7	825.6	618.4	392.4	254.5	187.6	173.8	183.6	203.9	218.6	220.3
30°	1067.9	957.7	680.4	408.7	247.2	179.5	171.3	186.8	207.2	222.7	224.3
32.5°	1241.6	1094.8	744.8	414.4	236.6	172.9	168.9	184.4	201.5	215.4	218.6
35°	1395.8	1217.2	770.1	406.3	221.9	168.1	163.2	176.2	193.3	210.5	211.3
37.5°	1556.5	1333.8	781.5	383.4	207.2	163.2	158.3	170.5	190.9	211.3	213.7
40°	1625.0	1364.0	748.9	351.6	193.3	159.9	155.8	169.7	191.7	212.1	215.4
42.5°	1695.2	1393.4	708.9	305.9	184.4	159.1	158.3	169.7	187.6	203.9	206.4
45°	1815.1	1458.6	691.0	274.9	179.5	161.5	160.7	167.2	180.3	195.0	199.9
47.5°	1986.4	1557.3	682.0	255.3	179.5	165.6	163.2	164.8	172.9	186.0	190.1
50°	2205.9	1694.4	693.4	244.7	183.6	171.3	166.4	164.0	167.2	181.1	186.0
52.5°	2390.3	1825.7	707.3	243.1	190.1	178.7	171.3	164.0	166.4	182.7	188.4
55°	2583.6	1950.5	722.8	247.2	198.2	184.4	174.6	165.6	167.2	182.7	189.3
57.5°	2864.2	2162.6	762.8	256.2	206.4	190.9	178.7	168.1	166.4	178.7	183.6
60°	3120.4	2365.0	822.3	273.3	216.2	197.4	182.7	169.7	165.6	173.8	177.0
62.5°	3275.4	2474.3	845.2	289.6	226.0	203.1	184.4	169.7	168.1	175.4	177.8
65°	3435.3	2578.7	854.1	302.7	231.7	206.4	184.4	171.3	171.3	176.2	177.0
67.5°	3429.6	2555.9	832.9	309.2	236.6	208.0	184.4	171.3	172.9	177.8	178.7
70°	3279.5	2424.5	779.9	308.4	235.8	205.6	181.1	170.5	177.0	182.7	183.6
72.5°	2838.9	2084.3	694.2	298.6	228.4	199.1	176.2	168.9	178.7	186.8	186.8
75°	2329.1	1697.6	573.5	279.8	219.4	190.9	168.9	163.2	175.4	186.8	186.8
77.5°	1834.7	1328.9	465.0	255.3	206.4	181.1	159.9	153.4	167.2	177.8	177.0
80°	1425.2	1007.5	373.6	230.9	191.7	170.5	149.3	141.9	154.2	161.5	159.9
82.5°	1093.2	775.8	308.4	208.0	177.0	158.3	138.7	132.2	143.6	148.5	146.8
85°	746.4	555.5	252.9	182.7	158.3	143.6	128.1	123.2	136.2	141.9	140.3
87.5°	492.7	381.8	211.3	160.7	139.5	128.9	115.8	114.2	128.9	134.6	133.8
90°	325.5	266.8	179.5	139.5	121.6	112.6	104.4	104.4	117.5	122.4	119.1
92.5°	214.6	189.3	141.9	118.3	103.6	97.9	93.0	92.2	103.6	105.2	102.8
95°	146.0	133.0	110.9	97.9	87.3	84.0	79.9	81.6	88.9	87.3	84.8
97.5°	104.4	101.2	89.7	79.9	72.6	71.8	70.2	71.0	75.1	71.8	70.2
100°	83.2	80.8	74.2	66.9	62.0	61.2	60.4	61.2	63.6	60.4	58.7
102.5°	66.9	66.9	62.0	56.3	52.2	53.0	53.0	53.0	53.8	48.9	48.9
105°	53.8	53.8	52.2	47.3	44.9	44.9	45.7	45.7	45.7	42.4	42.4
107.5°	43.2	44.9	44.1	40.0	38.3	39.2	39.2	38.3	38.3	36.7	36.7
110°	35.1	36.7	36.7	34.3	33.4	34.3	33.4	32.6	31.8	31.8	31.8



REPORT NUMBER: P415911

CATALOG NUMBER: LXF.LXT-PA1-60-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	29.4	31.0	31.8	30.2	29.4	29.4	28.6	27.7	27.7	28.6	28.6
115°	25.3	26.9	27.7	26.1	26.1	26.1	24.5	23.7	23.7	25.3	25.3
117.5°	22.8	23.7	24.5	23.7	22.8	22.8	22.0	20.4	20.4	22.0	22.8
120°	20.4	21.2	22.0	21.2	20.4	19.6	18.8	17.9	17.9	20.4	20.4
122.5°	18.8	19.6	19.6	18.8	17.9	17.9	17.1	16.3	16.3	17.9	18.8
125°	17.9	17.9	17.9	17.1	16.3	15.5	14.7	14.7	14.7	16.3	16.3
127.5°	17.1	17.1	16.3	15.5	14.7	13.9	13.9	13.1	13.1	14.7	15.5
130°	17.1	17.1	15.5	14.7	13.9	12.2	12.2	11.4	12.2	13.9	13.9
132.5°	16.3	16.3	14.7	13.9	12.2	11.4	10.6	10.6	10.6	12.2	13.1
135°	15.5	14.7	13.1	12.2	10.6	9.8	9.8	9.8	9.8	11.4	11.4
137.5°	13.9	13.1	11.4	10.6	9.8	9.0	8.2	8.2	9.0	9.8	10.6
140°	11.4	11.4	9.8	9.0	8.2	7.3	7.3	7.3	8.2	9.0	9.0
142.5°	9.8	9.8	8.2	7.3	6.5	5.7	6.5	6.5	7.3	8.2	8.2
145°	8.2	7.3	7.3	5.7	5.7	4.9	4.9	5.7	6.5	7.3	7.3
147.5°	6.5	6.5	5.7	4.9	4.1	4.1	4.1	4.9	5.7	5.7	6.5
150°	5.7	5.7	4.9	4.9	3.3	2.4	3.3	4.9	4.9	4.9	4.9
152.5°	4.9	4.9	4.9	4.1	3.3	1.6	2.4	4.1	4.1	4.1	4.1
155°	4.1	4.1	4.1	3.3	2.4	0.8	2.4	3.3	3.3	3.3	3.3
157.5°	3.3	3.3	3.3	3.3	1.6	0.8	1.6	2.4	2.4	2.4	3.3
160°	2.4	2.4	2.4	2.4	1.6	0.8	1.6	2.4	2.4	2.4	2.4
162.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	2.4	1.6	1.6	1.6
165°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	1.6	1.6
167.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
170°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
172.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
175°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
177.5°	2.4	2.4	2.4	2.4	1.6	0.8	0.8	1.6	1.6	0.8	0.8
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

(END OF REPORT)