

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: P416086

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5414 lumens
Efficiency: N/A
Efficacy: 84.6 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): 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

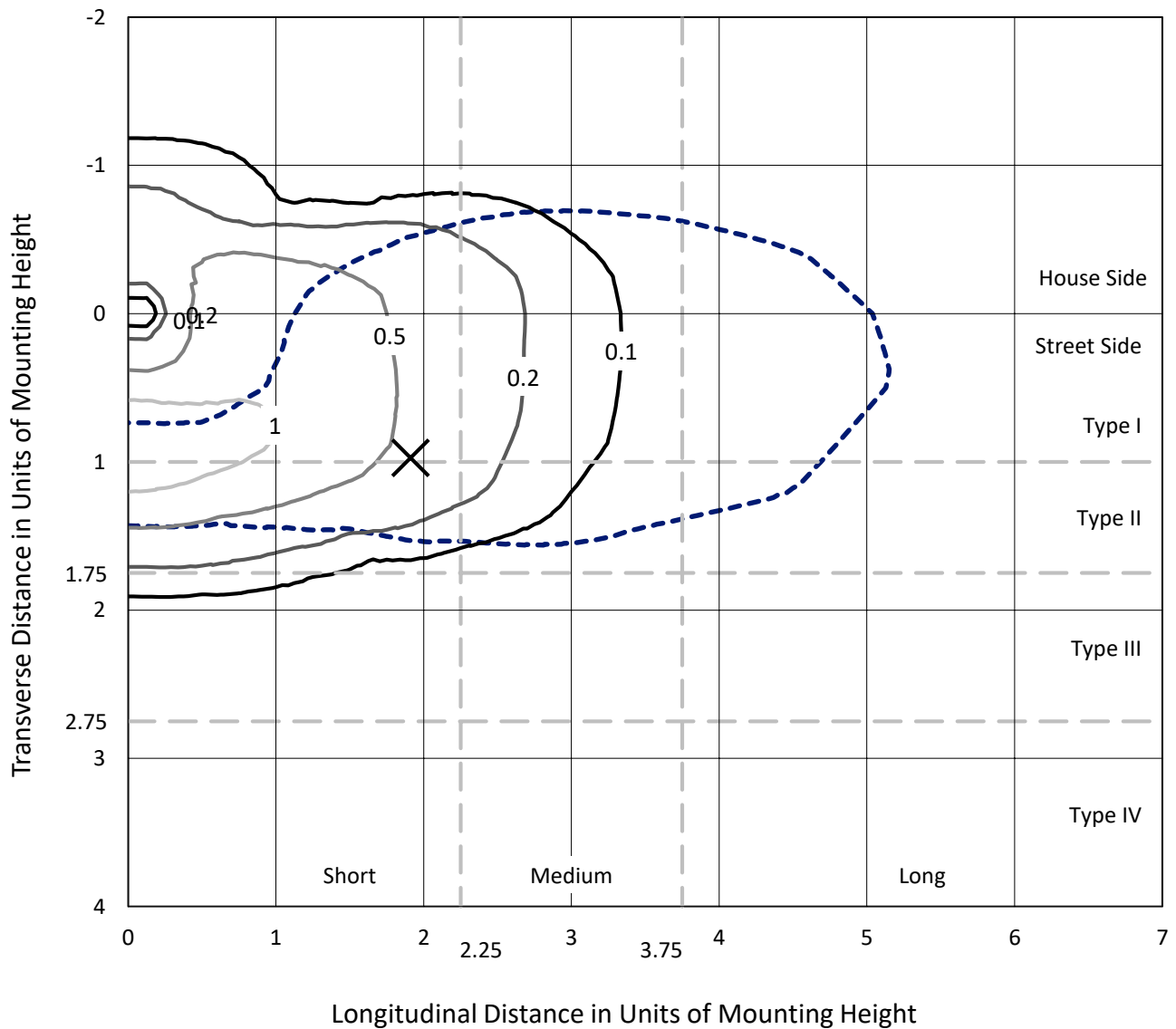


REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

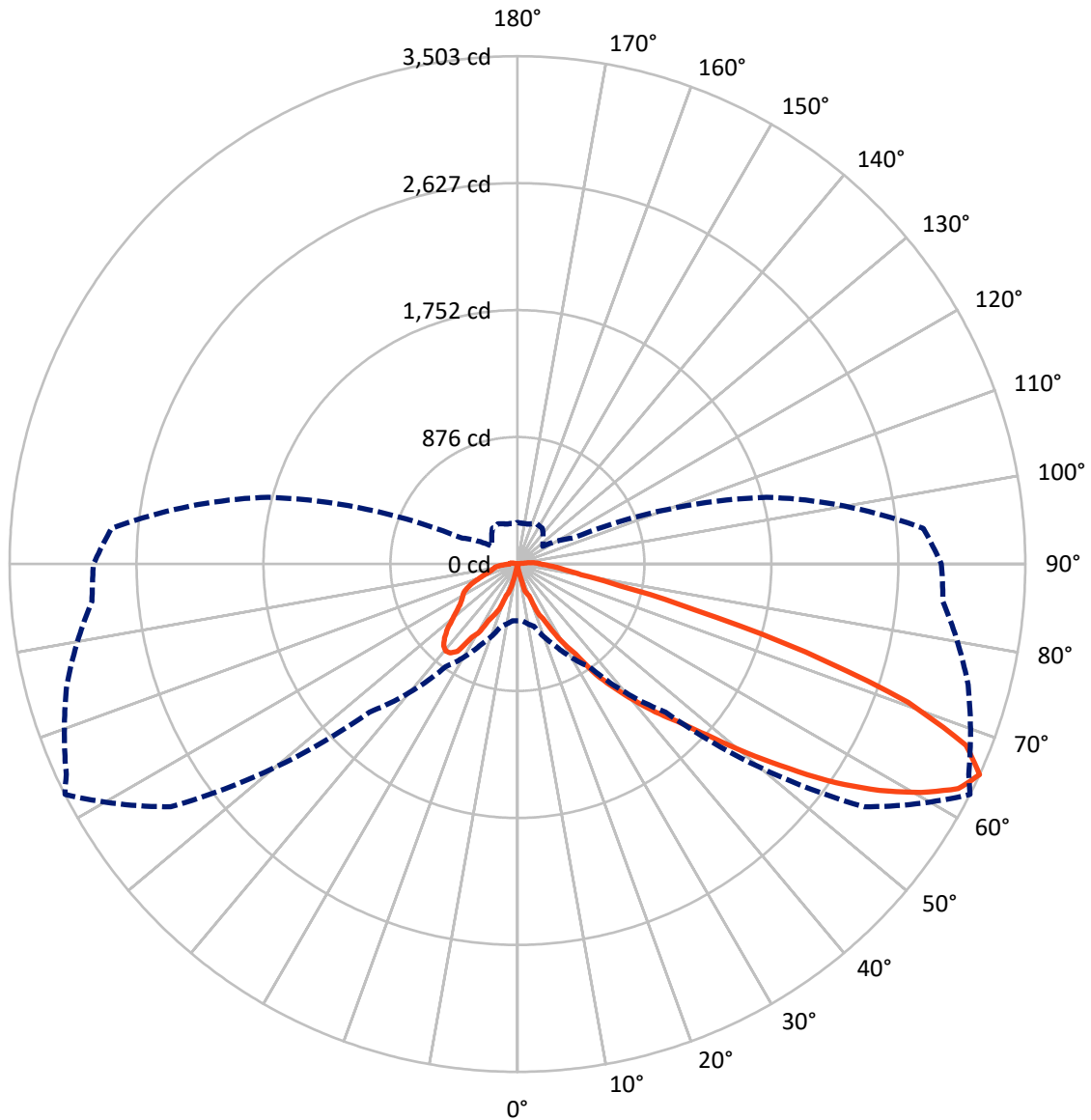


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1540.8	44.7	1585.5
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	3786.9	41.7	3828.5
	% Fixture	69.9	0.8	70.7
Total	Lumens	5327.6	86.4	5414.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	48.6	0.9
20°-30°	198.9	3.7
30°-40°	516.8	9.5
40°-50°	982.7	18.2
50°-60°	1322.9	24.4
60°-70°	1253.2	23.1
70°-80°	785.3	14.5
80°-90°	215.6	4.0
90°-100°	60.4	1.1
100°-110°	11.2	0.2
110°-120°	5.4	0.1
120°-130°	3.9	0.1
130°-140°	2.6	0.0
140°-150°	2.1	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5327.6	98.4
0°-180°	5414.0	100.0



REPORT NUMBER: P416086

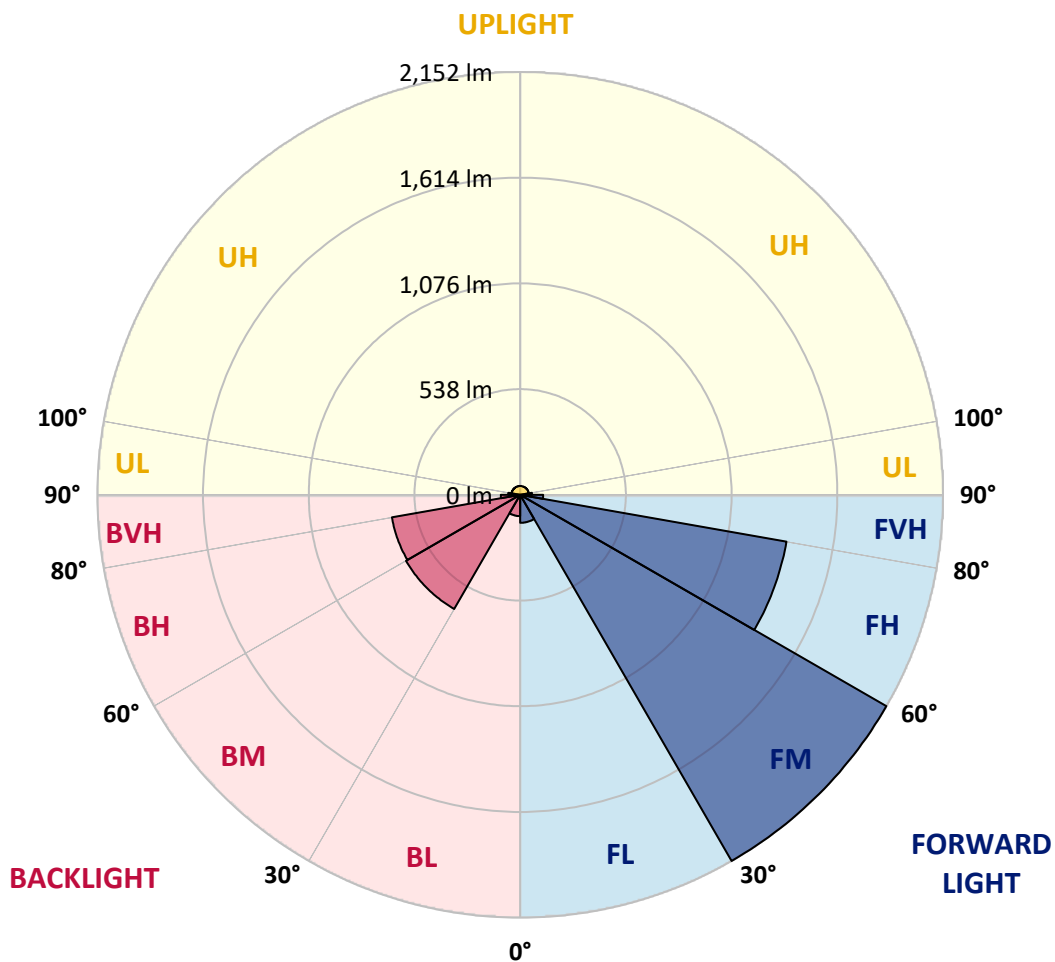
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.5	2.6			
FM	(30°-60°)	2151.6	39.7			
FH	(60°-80°)	1375.8	25.4			G1/1800
FVH	(80°-90°)	117.0	2.2			G2/225
BL	(0°-30°)	108.5	2.0	B0/110		
BM	(30°-60°)	670.8	12.4	B1/1000		
BH	(60°-80°)	662.8	12.2	B2/1000		G2/1000
BVH	(80°-90°)	98.7	1.8			G1/100
UL	(90°-100°)	60.4	1.1		U3/500	
UH	(100°-180°)	44.7	0.8		U2/50	

BUG Rating: B2-U3-G2

Type II Short





REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	7.2	6.6	7.2	7.2	6.6	6.0	5.4	4.8	4.2	3.0	2.4
5°	84.5	85.1	83.9	82.1	29.4	13.2	7.8	6.0	5.4	3.6	3.0
7.5°	97.1	96.5	95.9	94.7	90.5	85.1	46.2	10.8	8.4	4.8	3.0
10°	106.7	105.5	102.5	101.9	97.7	94.7	87.5	56.4	47.4	8.4	6.0
12.5°	194.3	190.1	186.5	154.1	107.9	101.9	97.7	85.1	83.3	53.4	79.7
15°	203.3	203.9	201.5	197.9	189.5	127.1	158.3	191.9	191.3	165.5	163.1
17.5°	230.9	229.1	220.1	211.1	208.1	226.1	224.3	214.1	214.1	189.5	179.3
20°	356.8	353.8	348.4	290.2	258.4	292.0	274.0	238.6	239.8	292.6	317.8
22.5°	413.1	411.9	401.1	375.4	365.8	322.0	361.0	373.6	366.4	370.6	355.0
25°	565.4	559.4	512.1	466.5	471.9	434.7	434.1	426.3	422.1	403.5	431.7
27.5°	719.5	714.7	704.0	639.8	545.1	524.1	490.5	535.5	523.5	566.6	576.2
30°	953.4	909.6	818.5	775.3	744.1	644.0	634.4	648.2	644.6	632.6	621.8
32.5°	1196.8	1178.9	1125.5	967.8	868.8	811.3	783.1	740.5	720.7	849.7	858.7
35°	1451.1	1434.3	1303.6	1211.8	1042.1	948.6	933.0	939.0	912.6	975.6	960.6
37.5°	1898.4	1890.0	1758.7	1473.9	1296.4	1113.5	1091.9	1084.7	1043.3	1088.9	1089.5
40°	2185.6	2171.8	2026.7	1816.8	1530.8	1378.5	1273.6	1232.2	1221.4	1223.8	1224.4
42.5°	2399.1	2376.9	2292.3	2099.3	1800.7	1622.0	1473.9	1394.1	1415.7	1373.7	1371.3
45°	2537.6	2525.6	2448.8	2287.6	2080.7	1991.9	1729.9	1550.0	1622.6	1547.6	1544.0
47.5°	2568.8	2563.4	2510.0	2429.1	2342.7	2305.5	2038.7	1763.5	1830.0	1797.1	1729.9
50°	2433.3	2438.1	2418.3	2447.6	2541.8	2584.4	2364.3	2046.5	2083.1	2004.5	1918.8
52.5°	2137.0	2136.4	2208.4	2338.5	2614.9	2785.2	2665.9	2340.9	2339.1	2197.0	2099.9
55°	1715.5	1747.9	1869.6	2071.7	2514.8	2877.6	2951.9	2664.7	2614.3	2421.9	2261.2
57.5°	1307.2	1349.1	1498.5	1681.9	2230.0	2812.2	3160.0	2945.9	2893.8	2624.5	2432.1
60°	884.4	900.6	1088.9	1301.2	1773.7	2561.0	3257.7	3199.6	3142.0	2831.4	2604.8
62.5°	589.4	603.8	711.7	970.2	1271.8	2081.3	3194.8	3413.6	3337.5	3076.1	2785.2
65°	392.2	392.2	445.5	624.2	865.3	1445.1	2919.0	3503.0	3434.0	3217.6	2945.3
67.5°	289.0	293.8	311.2	402.3	589.4	864.7	2321.7	3338.1	3345.3	3233.8	2996.3
70°	262.0	265.0	280.0	303.4	420.9	514.5	1534.4	2859.6	2983.7	3111.4	2930.9
72.5°	229.1	230.3	254.2	279.4	331.6	394.6	892.2	2078.3	2339.1	2845.2	2751.1
75°	191.9	193.7	212.9	250.6	286.6	331.0	474.9	1265.2	1524.8	2442.9	2513.0
77.5°	155.9	160.1	175.7	205.1	263.2	277.6	364.6	723.1	883.2	1819.2	2124.5
80°	119.9	124.1	137.9	161.3	215.3	245.2	302.8	444.9	535.5	1130.9	1484.7
82.5°	82.1	85.1	98.9	116.3	154.1	204.5	250.6	328.0	354.4	618.8	819.1
85°	58.2	60.0	69.0	76.8	95.9	134.3	209.3	260.2	267.4	328.0	333.4
87.5°	33.0	32.4	33.6	39.0	43.8	52.2	123.5	190.7	199.7	228.5	212.3
90°	22.8	22.2	18.6	18.0	20.4	22.2	70.2	151.7	159.5	184.1	188.9
92.5°	24.0	22.8	18.0	16.8	19.2	20.4	46.8	132.5	149.3	184.1	194.3
95°	22.8	21.6	16.2	14.4	17.4	18.0	28.8	91.1	117.5	172.1	190.1
97.5°	19.8	18.6	13.2	12.0	14.4	14.4	16.2	42.0	57.6	80.3	90.5
100°	16.2	15.0	10.8	9.6	10.2	10.8	10.2	21.0	21.0	22.2	17.4
102.5°	14.4	13.8	9.0	7.8	7.2	7.2	6.6	10.2	10.8	12.0	15.0
105°	12.6	12.0	7.8	6.6	5.4	5.4	4.8	6.6	7.2	10.2	14.4
107.5°	9.0	9.0	6.6	5.4	4.8	4.8	3.6	5.4	6.0	9.0	15.0
110°	6.0	6.0	4.8	4.8	4.2	4.8	3.6	5.4	5.4	7.2	11.4



REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	4.8	4.8	4.2	3.6	3.0	3.6	4.2	4.8	4.8	5.4	7.2
115°	4.8	4.2	3.6	3.0	2.4	3.0	3.0	4.2	4.2	5.4	7.2
117.5°	4.8	4.8	3.6	3.0	2.4	2.4	3.0	3.6	3.6	5.4	7.8
120°	4.8	4.8	3.6	3.0	2.4	1.8	2.4	3.6	3.6	4.8	7.2
122.5°	4.8	4.8	3.6	3.0	2.4	1.8	2.4	3.0	3.0	4.2	7.2
125°	5.4	5.4	4.2	3.0	2.4	1.8	2.4	2.4	2.4	4.2	6.6
127.5°	5.4	5.4	4.2	3.0	2.4	1.8	2.4	2.4	2.4	3.6	5.4
130°	5.4	5.4	4.2	3.0	2.4	1.8	2.4	1.8	1.8	3.0	4.8
132.5°	5.4	4.8	4.2	3.6	3.0	2.4	2.4	1.8	1.8	1.8	3.6
135°	4.8	4.8	4.2	3.6	3.0	2.4	2.4	1.8	1.8	1.8	2.4
137.5°	4.8	4.8	4.8	4.2	3.6	3.0	2.4	1.8	1.8	1.8	1.8
140°	5.4	5.4	5.4	4.8	3.6	3.0	2.4	1.8	1.8	1.8	1.8
142.5°	6.0	6.0	6.0	5.4	3.6	3.0	3.0	1.8	1.8	1.8	1.8
145°	6.6	6.6	6.6	5.4	3.6	3.0	3.0	2.4	2.4	1.8	2.4
147.5°	7.2	7.2	6.6	5.4	3.0	2.4	2.4	2.4	2.4	2.4	2.4
150°	6.6	6.0	6.0	4.2	2.4	1.2	1.8	1.8	1.8	2.4	2.4
152.5°	4.8	4.8	4.2	3.0	1.8	0.6	1.2	1.2	1.8	1.8	1.8
155°	3.0	3.0	2.4	1.8	1.2	0.6	0.6	1.2	1.2	1.2	1.2
157.5°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.6
160°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
2.5°	2.4	2.4	3.0	3.6	3.6	4.2	4.2	4.2	4.2	4.2	4.2
5°	2.4	2.4	3.0	3.6	4.2	4.8	5.4	5.4	5.4	6.0	6.0
7.5°	3.0	3.0	3.0	4.2	4.8	6.6	18.0	54.0	83.3	85.7	86.9
10°	6.0	6.0	6.0	6.0	13.2	76.8	95.3	99.5	101.9	103.7	103.7
12.5°	80.3	79.7	28.8	14.4	66.0	99.5	105.5	108.5	110.9	112.7	113.3
15°	163.1	163.7	163.7	165.5	119.9	108.5	114.5	169.1	200.3	206.3	208.7
17.5°	178.7	178.7	178.1	198.5	223.1	176.3	196.7	214.7	220.7	223.7	224.9
20°	326.2	325.6	262.6	227.9	235.7	292.6	220.1	228.5	233.3	278.2	279.4
22.5°	359.8	358.0	350.2	352.0	277.6	316.6	301.6	292.6	320.8	319.6	320.8
25°	441.9	398.7	382.0	378.4	402.3	329.2	349.6	302.8	310.0	308.8	310.0
27.5°	578.6	563.0	524.1	443.1	428.7	406.5	350.2	317.8	357.4	366.4	367.6
30°	620.6	600.8	559.4	563.0	477.9	413.7	341.2	352.0	338.2	337.0	334.6
32.5°	850.9	825.1	762.7	614.0	532.5	388.6	343.0	320.2	327.4	351.4	352.6
35°	948.0	918.6	874.8	783.7	516.3	381.4	313.6	312.4	317.2	317.8	316.6
37.5°	1058.3	1020.0	978.6	825.7	539.1	345.4	292.6	293.2	304.0	325.0	322.6
40°	1186.6	1144.1	1076.9	850.3	483.9	323.8	278.8	287.8	299.2	294.4	290.2
42.5°	1331.2	1261.6	1156.1	845.5	420.9	298.6	275.2	281.2	279.4	270.4	268.0
45°	1480.5	1406.7	1233.4	805.3	364.0	282.4	268.6	270.4	263.2	251.8	249.4
47.5°	1652.6	1555.4	1277.2	746.5	318.4	281.2	266.8	260.8	247.0	236.9	236.3
50°	1825.8	1719.7	1345.5	668.0	284.2	276.4	271.0	258.4	241.6	231.5	230.3
52.5°	1995.5	1902.6	1419.3	602.0	258.4	271.0	272.8	259.6	241.6	226.7	226.1
55°	2165.8	2084.3	1499.1	549.9	241.0	270.4	279.4	263.2	245.2	223.1	222.5
57.5°	2336.7	2257.6	1575.8	515.1	233.3	262.6	283.6	274.6	254.8	236.3	237.4
60°	2539.4	2445.9	1666.3	490.5	230.3	258.4	287.2	287.8	260.8	239.8	242.8
62.5°	2738.5	2643.7	1743.1	467.7	222.5	254.2	289.0	298.0	274.0	256.0	259.0
65°	2923.7	2811.0	1778.5	423.9	212.9	249.4	299.8	307.0	284.2	282.4	286.0
67.5°	2994.5	2889.6	1743.7	369.4	206.9	249.4	311.2	319.6	295.0	304.6	314.2
70°	2926.1	2838.6	1656.2	301.0	208.7	251.2	313.0	325.6	310.6	318.4	326.8
72.5°	2713.9	2602.4	1443.3	242.2	208.7	248.8	305.2	316.0	304.6	330.4	338.8
75°	2445.9	2251.6	1148.9	199.7	202.7	247.6	287.2	299.8	288.4	315.4	324.4
77.5°	2020.1	1771.3	794.5	176.3	194.3	236.9	268.6	271.0	259.6	275.8	280.0
80°	1424.7	1193.8	503.1	159.5	185.9	214.1	238.0	233.9	222.5	225.5	229.1
82.5°	794.5	631.4	293.2	146.9	174.5	178.1	194.9	196.1	181.1	181.7	182.3
85°	315.4	292.0	198.5	123.5	140.9	128.3	145.7	151.7	137.3	120.5	116.9
87.5°	209.3	198.5	138.5	84.5	86.3	72.6	94.7	98.3	80.9	70.2	69.6
90°	199.1	193.1	119.3	57.0	48.0	39.6	52.8	51.0	39.0	34.2	34.8
92.5°	205.1	201.5	121.1	54.6	46.8	37.8	46.8	40.2	29.4	25.8	26.4
95°	202.1	200.3	118.1	53.4	44.4	34.8	39.6	32.4	22.8	20.4	20.4
97.5°	95.9	101.3	73.2	48.0	39.6	29.4	30.6	24.6	16.2	15.0	14.4
100°	14.4	22.8	39.6	44.4	29.4	20.4	19.8	16.2	10.2	9.6	9.6
102.5°	15.0	16.2	24.6	30.6	16.2	10.8	10.8	9.6	7.8	9.0	9.0
105°	16.2	15.0	14.4	16.8	9.6	6.6	6.0	6.0	6.6	9.6	10.2
107.5°	17.4	16.2	11.4	9.0	7.2	6.0	4.8	4.2	6.0	10.2	10.8
110°	13.2	12.6	9.6	7.2	7.2	6.6	4.2	4.2	6.6	10.8	12.0



REPORT NUMBER: P416086

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	9.0	8.4	6.6	6.0	6.0	4.2	4.2	6.6	11.4	12.6
115°	8.4	8.4	7.2	5.4	4.8	4.8	4.2	3.6	6.6	12.0	12.6
117.5°	8.4	8.4	7.2	5.4	4.2	3.6	3.6	3.6	6.6	12.0	12.6
120°	8.4	8.4	7.2	4.8	4.2	3.6	3.6	3.6	6.6	11.4	12.6
122.5°	7.8	7.8	6.6	4.8	3.6	3.6	3.6	3.6	6.6	10.8	11.4
125°	7.2	7.2	6.0	4.2	3.6	3.0	3.6	3.6	6.0	9.6	10.2
127.5°	6.0	6.6	5.4	4.2	3.6	3.0	3.6	3.6	5.4	8.4	9.0
130°	5.4	5.4	4.8	3.6	3.0	3.0	3.6	3.6	5.4	7.8	8.4
132.5°	4.2	4.2	3.6	3.6	3.0	3.0	3.0	3.0	4.2	6.6	6.6
135°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.6	4.8	5.4
137.5°	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.2	4.2
140°	1.8	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.0	3.6	3.6
142.5°	1.8	2.4	2.4	3.0	3.0	3.0	3.0	3.0	3.6	4.2	4.2
145°	2.4	2.4	3.0	3.0	3.0	2.4	3.0	3.0	3.6	4.2	4.2
147.5°	2.4	2.4	3.0	3.0	3.0	2.4	2.4	3.0	3.6	4.2	4.2
150°	2.4	2.4	3.0	3.0	2.4	1.8	2.4	2.4	3.0	4.2	4.2
152.5°	2.4	2.4	2.4	2.4	1.8	1.2	1.8	1.8	2.4	3.0	3.0
155°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.8	1.8	2.4
157.5°	1.2	1.2	1.2	1.8	1.2	1.2	0.6	0.6	0.6	1.2	1.2
160°	0.6	0.6	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6
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)