

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: P416342

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-740-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7724 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B2 - U3 - G3

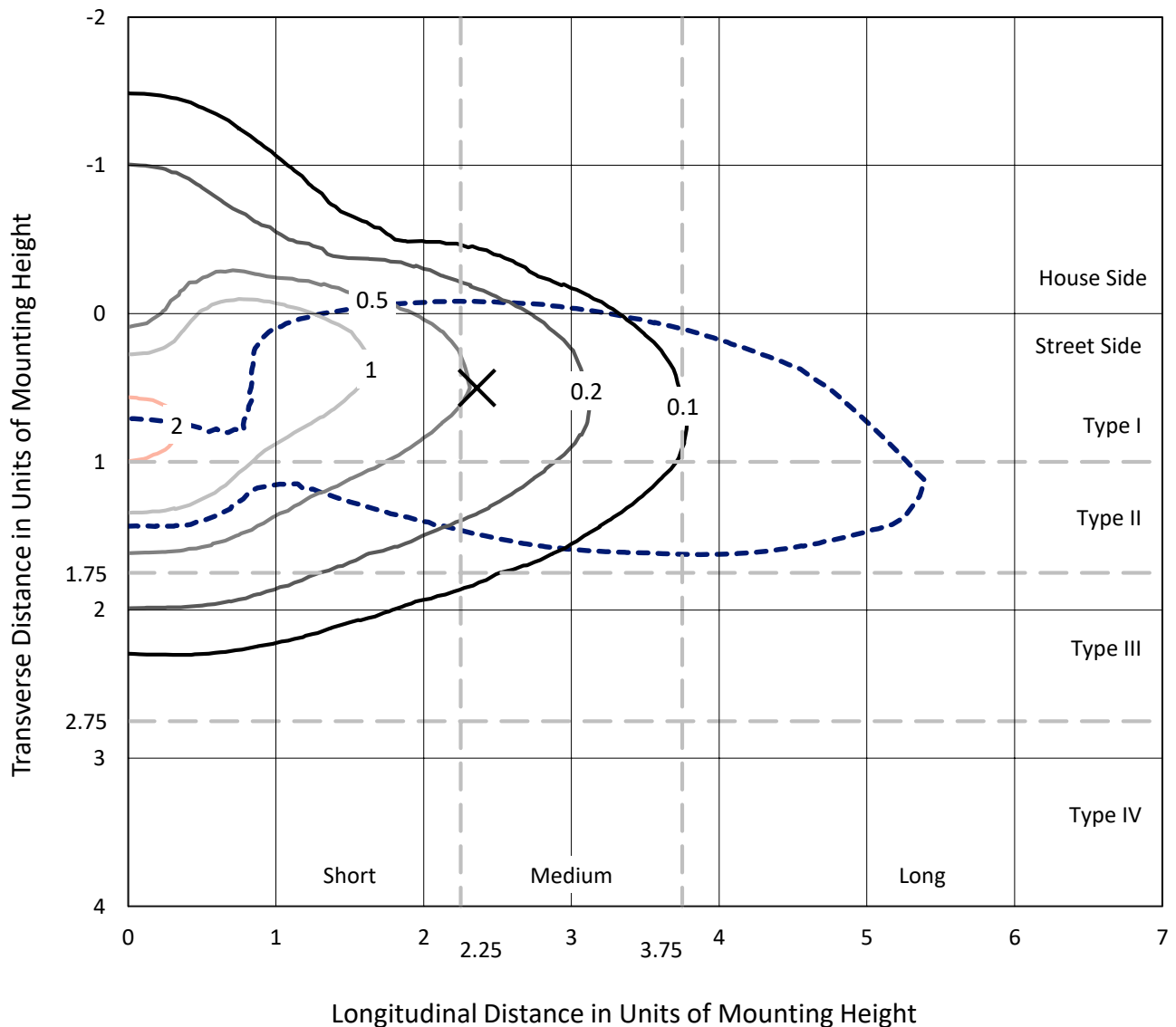
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416342
 CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

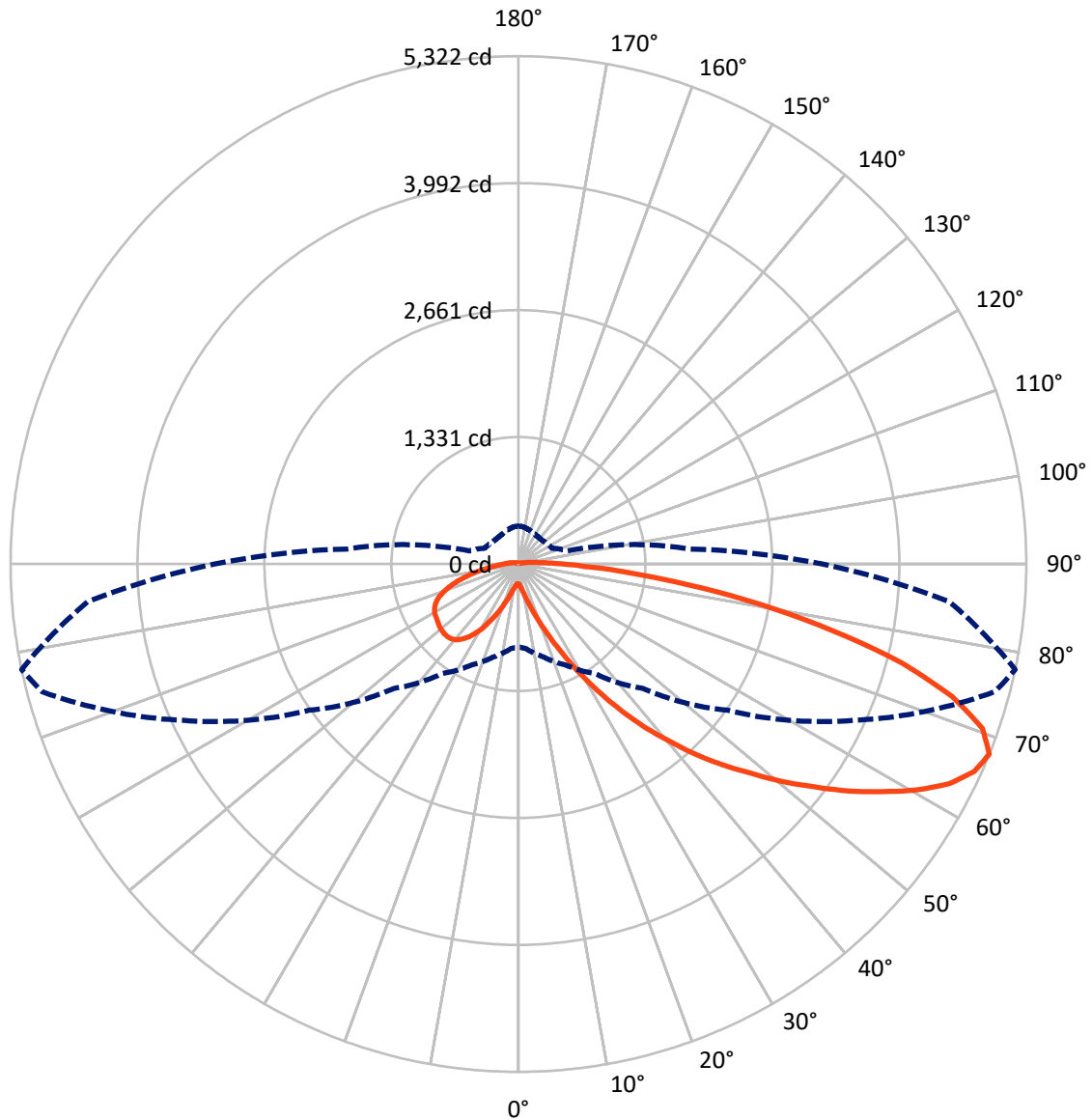


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.7	119.2	1586.8
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	6016.4	120.8	6137.2
	% Fixture	77.9	1.6	79.5
Total	Lumens	7484.1	240.0	7724.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	0.3
10°-20°	119.9	1.6
20°-30°	365.6	4.7
30°-40°	818.0	10.6
40°-50°	1347.8	17.5
50°-60°	1658.9	21.5
60°-70°	1609.0	20.8
70°-80°	1114.2	14.4
80°-90°	426.5	5.5
90°-100°	122.4	1.6
100°-110°	53.1	0.7
110°-120°	28.6	0.4
120°-130°	17.7	0.2
130°-140°	11.0	0.1
140°-150°	5.3	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7484.1	96.9
0°-180°	7724.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416342

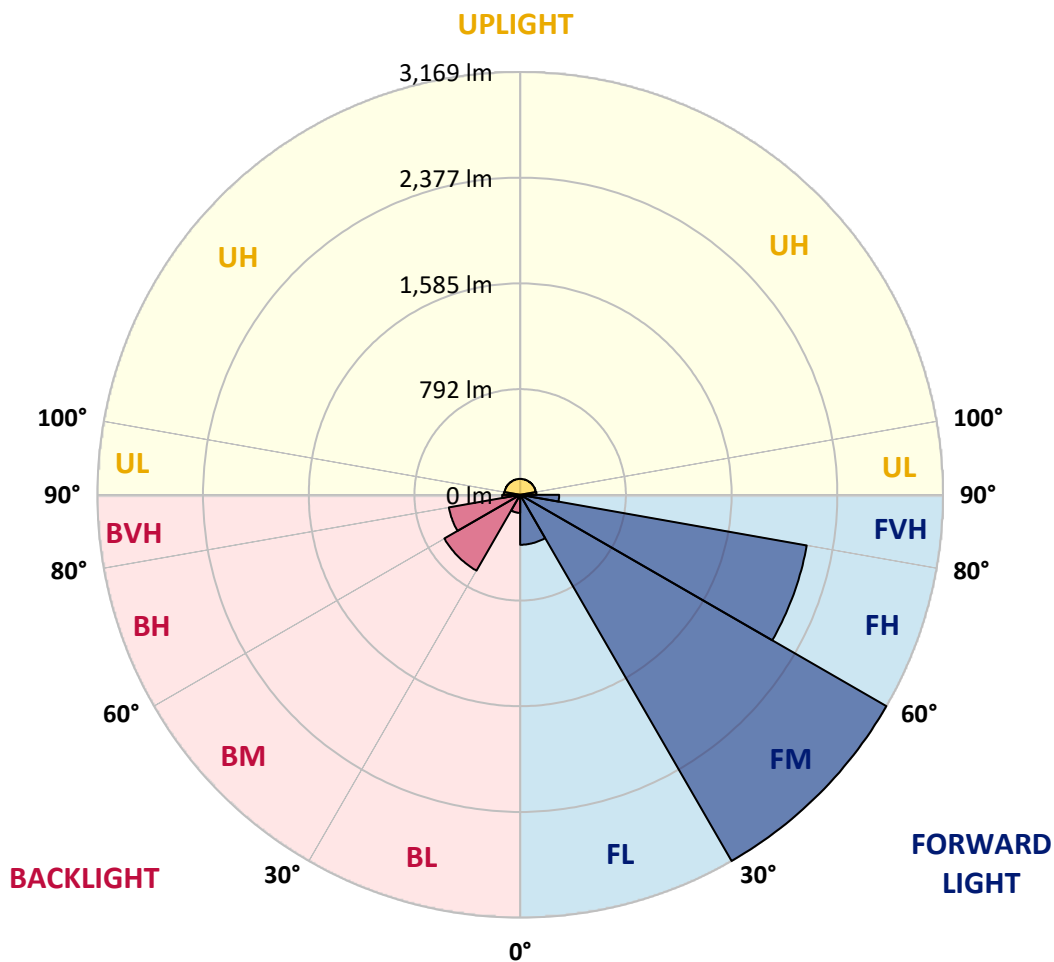
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	374.4	4.8			
FM	(30°-60°)	3169.2	41.0			
FH	(60°-80°)	2180.9	28.2			G2/5000
FVH	(80°-90°)	291.9	3.8			G3/500
BL	(0°-30°)	135.2	1.7	B1/500		
BM	(30°-60°)	655.6	8.5	B1/1000		
BH	(60°-80°)	542.3	7.0	B2/1000		G2/1000
BVH	(80°-90°)	134.6	1.7			G2/225
UL	(90°-100°)	122.4	1.6		U3/500	
UH	(100°-180°)	119.2	1.5		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





REPORT NUMBER: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4
2.5°	250.7	248.8	248.8	247.9	244.3	240.6	235.1	228.7	223.2	219.6	215.9
5°	304.6	298.2	300.1	294.6	288.2	280.8	270.8	257.1	244.3	241.5	231.4
7.5°	369.6	361.3	364.1	357.7	345.8	330.2	316.5	296.4	277.2	270.8	256.1
10°	451.9	443.7	439.1	430.0	416.2	396.1	375.1	348.5	322.0	312.9	294.6
12.5°	549.8	543.4	537.0	524.2	502.2	476.6	450.1	420.8	386.0	374.2	345.8
15°	671.5	666.0	652.3	634.9	602.9	574.5	534.2	507.7	464.7	450.1	415.3
17.5°	807.8	796.8	783.1	757.5	720.9	685.2	651.3	606.5	559.9	548.0	505.0
20°	976.1	972.4	945.9	902.9	862.7	814.2	781.2	737.3	685.2	668.7	612.0
22.5°	1175.5	1168.2	1137.1	1072.1	1011.8	949.6	923.0	877.3	839.8	816.9	742.8
25°	1415.2	1401.5	1350.2	1272.5	1186.5	1112.4	1068.5	1052.0	1022.7	988.0	897.4
27.5°	1670.4	1671.3	1600.9	1485.6	1365.8	1277.1	1243.2	1249.6	1213.9	1194.7	1084.0
30°	1986.0	1963.2	1870.8	1729.0	1567.1	1452.7	1432.6	1464.6	1454.5	1417.0	1286.2
32.5°	2301.6	2293.4	2179.1	1985.1	1772.9	1647.6	1632.9	1702.4	1699.7	1662.2	1495.7
35°	2616.3	2607.2	2465.4	2239.4	1987.9	1844.2	1831.4	1922.9	1955.8	1918.3	1731.7
37.5°	2932.8	2911.8	2769.1	2494.7	2191.9	2024.5	2029.9	2145.2	2222.0	2188.2	1959.5
40°	3211.9	3208.2	3041.7	2729.8	2388.5	2207.4	2244.0	2395.9	2490.1	2443.4	2190.9
42.5°	3425.9	3410.4	3263.1	2924.6	2565.1	2378.5	2441.6	2642.9	2763.6	2731.6	2418.7
45°	3524.7	3515.6	3397.6	3071.9	2702.3	2526.7	2626.4	2871.6	3036.2	3001.5	2652.9
47.5°	3498.2	3490.0	3425.9	3144.2	2792.9	2653.8	2789.2	3093.9	3322.6	3275.9	2886.2
50°	3339.0	3347.3	3327.1	3123.1	2824.9	2735.2	2943.8	3316.1	3602.5	3580.5	3111.2
52.5°	3048.1	3071.9	3103.9	3013.3	2795.6	2771.8	3055.4	3509.2	3880.6	3879.7	3361.0
55°	2670.3	2686.8	2798.4	2781.9	2684.0	2770.9	3137.8	3699.4	4193.4	4198.0	3618.9
57.5°	2269.6	2261.4	2409.6	2495.6	2521.2	2700.5	3178.0	3867.8	4469.7	4501.7	3891.6
60°	1831.4	1861.6	2000.7	2176.3	2272.4	2561.4	3164.3	3986.7	4735.9	4806.4	4139.5
62.5°	1488.4	1474.7	1627.4	1818.6	2013.5	2362.0	3064.6	4042.5	4989.3	5068.0	4368.2
65°	1124.3	1152.6	1290.8	1460.0	1691.5	2110.4	2903.6	4013.2	5145.7	5246.4	4511.8
67.5°	867.2	889.2	1007.2	1166.4	1402.4	1843.3	2671.2	3876.9	5169.5	5322.3	4531.9
70°	670.5	687.9	771.2	906.6	1131.6	1548.8	2344.6	3617.1	5039.6	5158.6	4347.1
72.5°	534.2	541.6	600.1	709.9	893.8	1263.3	1989.7	3209.1	4647.2	4753.3	3968.4
75°	419.9	430.9	478.4	560.8	698.0	1009.9	1626.5	2711.5	4049.8	4159.6	3446.0
77.5°	333.9	344.9	380.6	438.2	541.6	778.5	1270.7	2209.2	3306.1	3373.8	2745.3
80°	265.3	270.8	301.0	344.0	420.8	600.1	956.9	1676.8	2503.8	2574.2	2040.0
82.5°	201.3	205.8	236.0	273.5	328.4	454.7	691.6	1179.2	1763.7	1782.9	1385.0
85°	144.5	152.8	177.5	208.6	251.6	338.5	495.8	800.4	1125.2	1154.5	877.3
87.5°	102.5	106.1	130.8	160.1	192.1	250.7	344.9	526.9	692.5	684.3	532.4
90°	69.5	72.3	94.2	118.0	146.4	187.5	240.6	331.2	425.4	411.7	333.9
92.5°	46.7	51.2	69.5	89.7	114.3	144.5	171.1	216.8	263.5	250.7	212.2
95°	34.8	36.6	53.1	71.4	91.5	110.7	127.2	148.2	168.3	164.7	146.4
97.5°	27.4	29.3	43.0	58.5	74.1	89.7	98.8	106.1	117.1	116.2	105.2
100°	23.8	24.7	36.6	50.3	64.0	75.0	80.5	82.3	86.0	84.2	80.5
102.5°	20.1	22.0	32.0	43.9	55.8	64.0	67.7	65.9	65.0	63.1	59.5
105°	18.3	19.2	28.4	39.3	49.4	55.8	56.7	54.0	49.4	48.5	46.7
107.5°	17.4	18.3	25.6	35.7	43.9	49.4	48.5	44.8	39.3	37.5	36.6
110°	16.5	17.4	23.8	32.0	40.3	43.9	43.0	37.5	31.1	29.3	30.2



REPORT NUMBER: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	16.5	16.5	22.0	29.3	36.6	39.3	37.5	32.0	25.6	24.7	25.6
115°	15.6	16.5	21.0	27.4	32.9	35.7	32.9	27.4	22.0	21.0	22.0
117.5°	15.6	16.5	20.1	25.6	31.1	32.0	29.3	23.8	18.3	18.3	20.1
120°	15.6	16.5	19.2	23.8	28.4	29.3	26.5	21.0	16.5	16.5	18.3
122.5°	16.5	16.5	18.3	22.9	26.5	27.4	23.8	18.3	15.6	15.6	17.4
125°	16.5	16.5	18.3	21.0	24.7	24.7	22.0	16.5	13.7	13.7	16.5
127.5°	16.5	16.5	18.3	20.1	22.9	22.9	20.1	15.6	12.8	12.8	15.6
130°	16.5	17.4	17.4	19.2	21.0	21.0	18.3	13.7	12.8	12.8	14.6
132.5°	17.4	17.4	17.4	18.3	20.1	19.2	15.6	12.8	11.9	11.9	13.7
135°	16.5	16.5	16.5	17.4	18.3	17.4	13.7	11.0	11.0	11.9	12.8
137.5°	16.5	16.5	16.5	15.6	16.5	15.6	12.8	10.1	10.1	11.0	11.9
140°	14.6	15.6	14.6	14.6	14.6	13.7	11.0	8.2	9.1	10.1	10.1
142.5°	13.7	13.7	13.7	12.8	12.8	11.9	9.1	7.3	8.2	8.2	9.1
145°	12.8	12.8	11.9	11.0	11.0	9.1	7.3	6.4	7.3	7.3	8.2
147.5°	11.0	11.0	11.0	9.1	8.2	7.3	4.6	4.6	5.5	6.4	6.4
150°	9.1	9.1	9.1	8.2	6.4	5.5	3.7	4.6	4.6	4.6	5.5
152.5°	7.3	7.3	7.3	6.4	5.5	3.7	2.7	3.7	3.7	3.7	4.6
155°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	2.7	3.7	3.7	3.7
157.5°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	2.7
160°	0.9	0.9	1.8	1.8	2.7	1.8	1.8	1.8	1.8	1.8	1.8
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: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4	210.4
2.5°	213.1	210.4	205.8	201.3	196.7	192.1	188.4	187.5	184.8	184.8	183.9
5°	226.0	221.4	209.5	200.3	190.3	182.0	175.6	172.9	170.2	168.3	168.3
7.5°	248.8	238.8	221.4	205.8	192.1	180.2	172.0	167.4	163.7	161.9	161.9
10°	279.9	267.1	240.6	217.7	197.6	183.0	173.8	168.3	165.6	163.7	162.8
12.5°	325.7	307.4	269.0	236.0	210.4	192.1	180.2	176.6	177.5	177.5	177.5
15°	387.9	361.3	309.2	264.4	227.8	204.0	195.8	195.8	198.5	199.4	197.6
17.5°	468.4	432.7	359.5	292.7	249.7	225.0	215.9	215.9	220.5	223.2	223.2
20°	567.2	515.9	412.6	330.2	275.4	248.8	237.8	238.8	244.3	247.9	247.9
22.5°	680.6	620.2	480.3	368.7	303.7	269.9	258.0	258.9	268.0	272.6	274.4
25°	827.9	734.6	548.0	408.0	330.2	290.0	278.1	279.0	290.9	297.3	297.3
27.5°	983.4	861.7	616.6	446.4	353.1	308.3	296.4	299.1	311.9	317.4	319.3
30°	1149.0	997.1	685.2	479.4	371.4	322.0	310.1	315.6	327.5	335.7	336.6
32.5°	1332.9	1129.8	740.1	505.9	387.0	333.9	322.0	330.2	340.3	349.5	350.4
35°	1525.0	1261.5	788.6	524.2	397.0	344.0	331.2	339.4	349.5	357.7	356.8
37.5°	1697.0	1369.5	820.6	531.5	402.5	349.5	337.6	345.8	354.9	361.3	361.3
40°	1866.2	1482.0	836.1	526.0	402.5	352.2	340.3	349.5	357.7	361.3	361.3
42.5°	2027.2	1565.2	833.4	515.0	400.7	353.1	342.1	350.4	357.7	359.5	359.5
45°	2166.2	1642.1	816.9	496.7	394.3	352.2	343.0	350.4	355.9	355.9	356.8
47.5°	2330.9	1702.4	793.1	477.5	387.0	350.4	341.2	349.5	354.0	354.0	353.1
50°	2479.1	1761.0	761.1	456.5	380.6	348.5	340.3	348.5	354.0	352.2	352.2
52.5°	2636.5	1813.1	728.2	437.3	374.2	347.6	340.3	348.5	354.0	353.1	354.0
55°	2781.9	1865.3	687.0	419.9	370.5	346.7	341.2	349.5	356.8	356.8	355.9
57.5°	2968.5	1892.7	655.0	408.0	366.8	346.7	342.1	351.3	360.4	361.3	362.3
60°	3100.3	1928.4	628.5	400.7	366.8	348.5	344.9	354.0	365.9	370.5	373.2
62.5°	3196.3	1926.6	596.4	397.0	367.7	350.4	347.6	356.8	372.3	378.7	382.4
65°	3246.6	1893.6	563.5	394.3	368.7	352.2	349.5	358.6	376.9	388.8	392.4
67.5°	3180.8	1804.9	529.7	389.7	367.7	351.3	350.4	360.4	379.6	395.2	397.0
70°	3020.7	1654.9	489.4	379.6	364.1	348.5	347.6	355.9	376.9	395.2	397.0
72.5°	2717.0	1464.6	442.8	365.0	355.9	342.1	339.4	347.6	367.7	386.0	386.0
75°	2310.8	1244.1	397.0	344.0	339.4	331.2	328.4	333.0	350.4	367.7	368.7
77.5°	1809.5	990.7	348.5	314.7	319.3	312.9	310.1	312.9	328.4	340.3	341.2
80°	1376.8	754.7	301.9	279.9	290.9	289.1	286.3	285.4	296.4	305.5	302.8
82.5°	949.6	537.0	249.7	243.3	255.2	258.0	257.1	250.7	258.9	266.2	261.6
85°	612.9	379.6	208.6	205.8	216.8	221.4	220.5	215.9	217.7	226.0	216.8
87.5°	396.1	272.6	172.0	170.2	179.3	184.8	184.8	175.6	179.3	187.5	177.5
90°	247.9	193.0	143.6	142.7	149.1	151.9	148.2	142.7	144.5	149.1	145.5
92.5°	175.6	145.5	119.8	119.8	121.7	123.5	121.7	115.3	118.9	118.9	118.9
95°	128.1	115.3	104.3	102.5	101.5	100.6	99.7	95.1	98.8	97.9	95.1
97.5°	97.9	92.4	88.7	87.8	86.0	85.1	84.2	80.5	83.2	81.4	79.6
100°	76.8	75.9	75.9	75.9	74.1	71.4	71.4	70.4	70.4	67.7	67.7
102.5°	61.3	61.3	65.0	65.9	64.0	62.2	62.2	61.3	60.4	56.7	55.8
105°	48.5	50.3	55.8	56.7	55.8	54.0	53.1	53.1	51.2	46.7	46.7
107.5°	39.3	41.2	47.6	49.4	48.5	47.6	46.7	45.7	43.9	39.3	39.3
110°	32.0	34.8	40.3	43.0	42.1	41.2	41.2	39.3	37.5	33.8	33.8



REPORT NUMBER: P416342

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.4	30.2	34.8	37.5	37.5	36.6	35.7	34.8	32.0	29.3	29.3
115°	23.8	26.5	31.1	32.9	32.9	32.0	31.1	30.2	27.4	25.6	26.5
117.5°	22.0	23.8	27.4	29.3	29.3	28.4	27.4	26.5	24.7	23.8	23.8
120°	20.1	22.0	24.7	26.5	26.5	25.6	24.7	23.8	22.0	22.0	22.0
122.5°	18.3	20.1	22.9	23.8	23.8	22.9	22.0	21.0	19.2	20.1	20.1
125°	17.4	18.3	20.1	22.0	22.0	21.0	20.1	18.3	17.4	18.3	18.3
127.5°	16.5	17.4	19.2	20.1	20.1	19.2	17.4	16.5	15.6	16.5	16.5
130°	15.6	16.5	17.4	18.3	18.3	16.5	15.6	14.6	14.6	15.6	15.6
132.5°	14.6	15.6	15.6	16.5	16.5	15.6	13.7	12.8	12.8	13.7	13.7
135°	13.7	13.7	14.6	14.6	14.6	13.7	11.9	11.0	11.9	12.8	12.8
137.5°	11.9	12.8	12.8	13.7	12.8	11.9	10.1	10.1	11.0	11.0	11.0
140°	11.0	11.0	11.9	11.9	11.0	10.1	9.1	8.2	9.1	10.1	10.1
142.5°	10.1	10.1	10.1	10.1	10.1	8.2	7.3	7.3	8.2	8.2	8.2
145°	8.2	8.2	9.1	8.2	8.2	6.4	5.5	6.4	7.3	7.3	7.3
147.5°	6.4	7.3	7.3	7.3	6.4	4.6	3.7	5.5	6.4	6.4	6.4
150°	5.5	5.5	5.5	5.5	5.5	3.7	2.7	4.6	5.5	5.5	5.5
152.5°	4.6	4.6	5.5	5.5	4.6	2.7	1.8	3.7	4.6	4.6	3.7
155°	3.7	3.7	4.6	4.6	3.7	1.8	1.8	2.7	3.7	3.7	2.7
157.5°	2.7	3.7	3.7	3.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7
160°	2.7	2.7	2.7	3.7	2.7	1.8	0.9	1.8	2.7	1.8	1.8
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)