

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: P416327

Luminaire Tested: **LXF.LXT-PA1-70-740-U-SL3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416327
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-PA1-70-740-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 7803 lumens
Efficiency: N/A
Efficacy: 105.4 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: B2 - U3 - G3

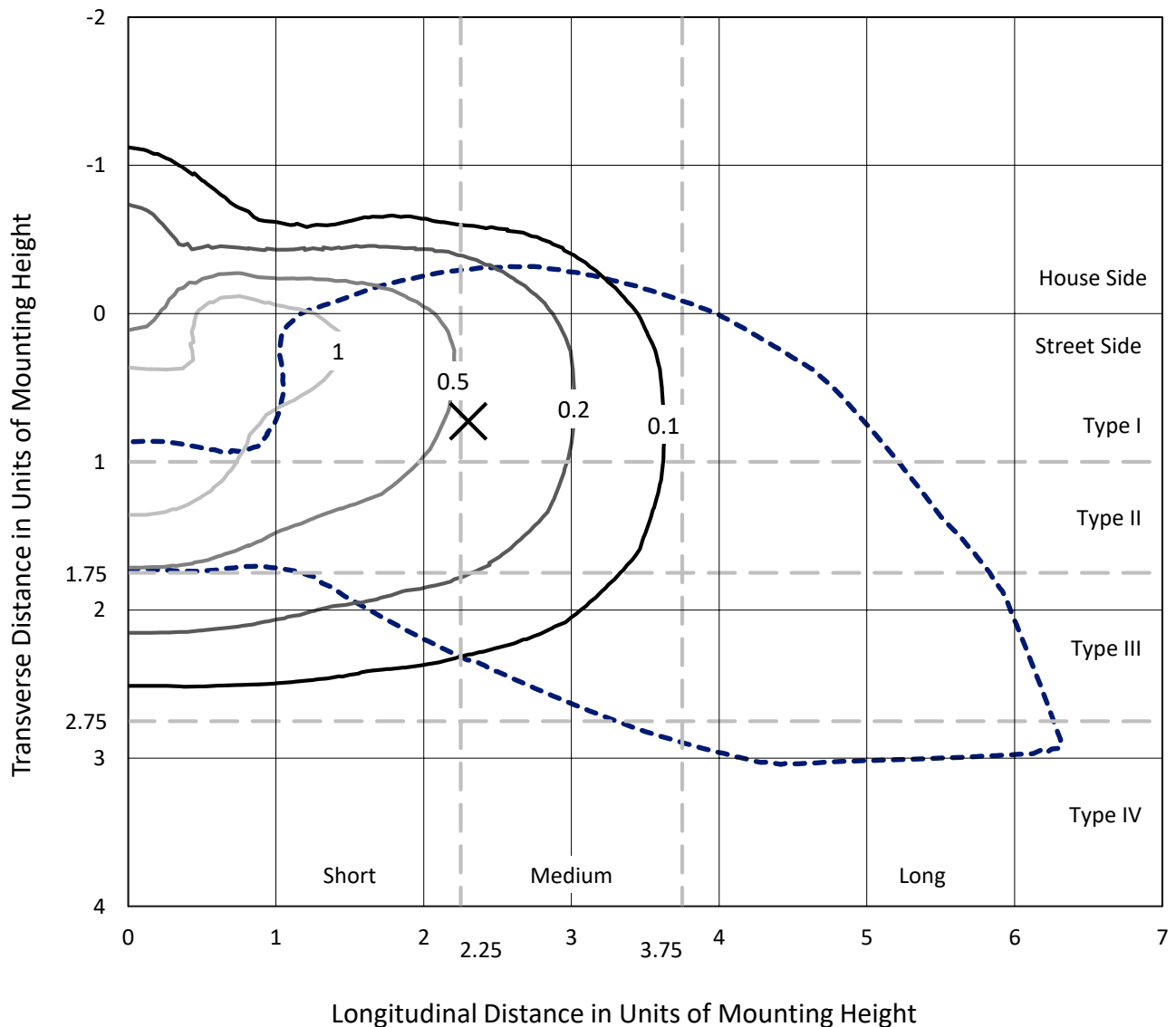
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416327
 CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

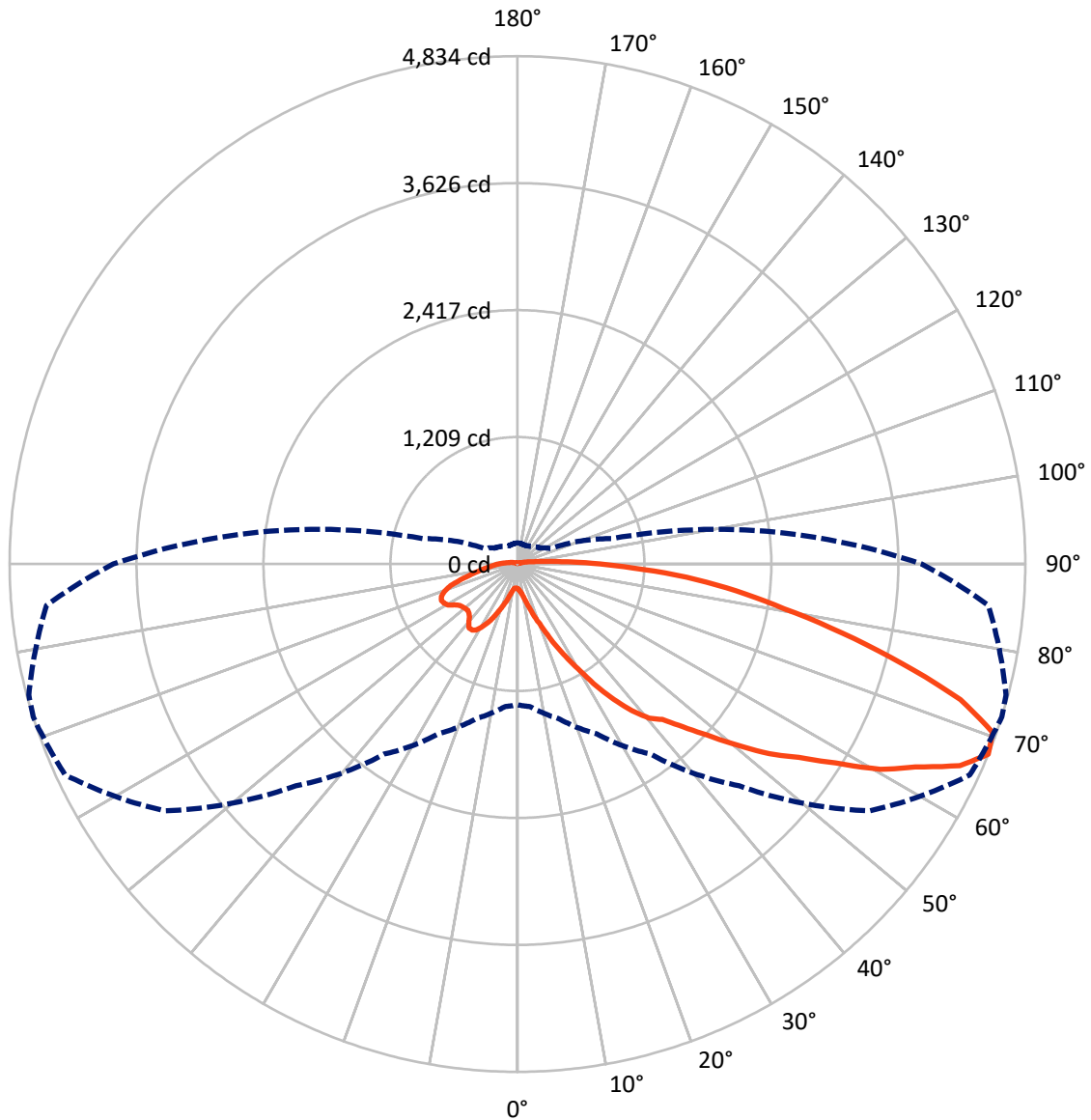
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416327
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416327

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.3	120.0	1485.3
	% Fixture	17.5	1.5	19.0
Street Side	Lumens	6148.0	169.7	6317.7
	% Fixture	78.8	2.2	81.0
Total	Lumens	7513.3	289.7	7803.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	0.3
10°-20°	105.3	1.3
20°-30°	291.8	3.7
30°-40°	627.5	8.0
40°-50°	1062.1	13.6
50°-60°	1558.3	20.0
60°-70°	1858.4	23.8
70°-80°	1387.8	17.8
80°-90°	597.7	7.7
90°-100°	173.4	2.2
100°-110°	56.4	0.7
110°-120°	26.4	0.3
120°-130°	16.1	0.2
130°-140°	10.4	0.1
140°-150°	4.6	0.1
150°-160°	1.6	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	7513.3	96.3
0°-180°	7803.0	100.0

Coefficient of Utilization



REPORT NUMBER: P416327

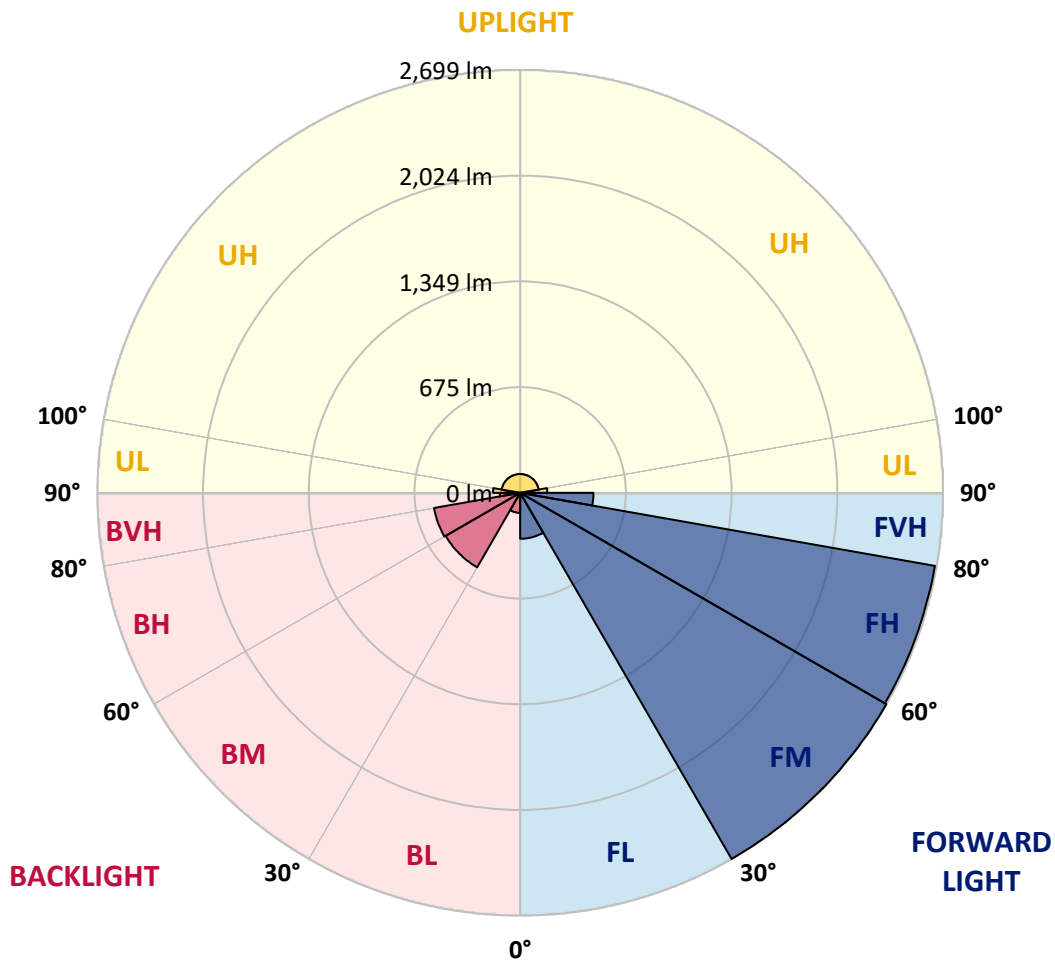
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.6	3.8			
FM	(30°-60°)	2698.8	34.6			
FH	(60°-80°)	2688.0	34.4			G2/5000
FVH	(80°-90°)	467.5	6.0			G3/500
BL	(0°-30°)	127.9	1.6	B1/500		
BM	(30°-60°)	549.0	7.0	B1/1000		
BH	(60°-80°)	558.2	7.2	B2/1000		G2/1000
BVH	(80°-90°)	130.2	1.7			G2/225
UL	(90°-100°)	173.4	2.2		U3/500	
UH	(100°-180°)	120.0	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P416327

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2
2.5°	256.2	258.0	259.8	258.9	258.0	255.2	250.7	246.1	241.5	241.5	237.9
5°	292.8	291.8	290.9	291.8	287.3	280.9	273.5	265.3	258.9	257.1	247.9
7.5°	334.8	333.0	334.8	329.3	322.9	314.7	303.7	292.8	281.8	279.9	265.3
10°	385.2	383.3	382.4	377.8	365.9	354.0	343.1	325.7	317.5	314.7	295.5
12.5°	448.3	447.4	441.9	432.7	417.2	405.3	389.7	380.6	372.3	365.9	346.7
15°	520.6	522.4	516.0	496.8	477.6	459.3	451.9	444.6	438.2	435.5	419.0
17.5°	622.1	618.4	603.8	574.5	543.4	528.8	522.4	517.8	524.2	522.4	496.8
20°	747.4	738.3	715.4	665.1	626.7	602.9	597.4	605.6	609.3	618.4	601.1
22.5°	894.7	882.8	844.4	787.7	731.9	687.1	681.6	706.3	729.1	731.9	724.6
25°	1038.4	1027.4	993.5	919.4	844.4	784.9	772.1	827.0	872.8	881.0	891.1
27.5°	1185.7	1180.2	1130.8	1050.3	967.9	892.9	891.1	950.5	1021.9	1041.1	1058.5
30°	1353.1	1365.9	1303.7	1202.1	1098.7	1011.8	1007.3	1095.1	1182.9	1224.1	1253.4
32.5°	1589.1	1578.1	1500.4	1386.9	1233.2	1131.7	1138.1	1240.5	1388.8	1423.5	1461.9
35°	1859.9	1863.6	1757.4	1580.9	1399.7	1274.4	1269.8	1412.5	1584.5	1613.8	1677.8
37.5°	2082.2	2100.5	2021.8	1818.7	1586.4	1424.4	1430.8	1590.9	1772.1	1830.6	1886.4
40°	2321.0	2337.5	2246.0	2048.4	1789.5	1590.0	1599.2	1754.7	1927.6	1975.2	1988.9
42.5°	2581.7	2598.2	2487.5	2253.3	1960.5	1789.5	1753.8	1872.7	2023.7	2083.1	2095.0
45°	2826.0	2854.4	2742.7	2467.4	2151.7	1968.8	1914.8	2010.9	2208.5	2263.4	2276.2
47.5°	2901.0	2934.9	2886.4	2661.3	2334.7	2123.4	2087.7	2221.3	2434.4	2515.9	2499.4
50°	2973.3	3004.4	2975.1	2775.7	2486.6	2302.7	2310.9	2466.5	2708.0	2812.3	2799.5
52.5°	2984.3	3016.3	2986.1	2846.1	2616.5	2483.8	2575.3	2759.2	2998.9	3074.8	3056.5
55°	3002.6	3023.6	2996.2	2837.9	2710.7	2676.9	2849.8	3059.3	3249.6	3340.1	3310.0
57.5°	2748.2	2756.5	2856.2	2814.1	2730.8	2890.9	3159.0	3348.4	3572.5	3707.9	3692.4
60°	2382.3	2399.7	2523.2	2620.1	2717.1	3043.7	3462.7	3749.1	3968.6	4057.4	3973.2
62.5°	2081.3	2100.5	2230.4	2354.8	2600.9	3111.4	3780.2	4107.7	4252.3	4332.8	4233.0
65°	1676.9	1691.6	1849.8	2094.1	2411.6	3084.9	4018.0	4481.0	4626.4	4658.4	4465.4
67.5°	1340.3	1362.2	1523.2	1784.0	2208.5	2984.3	4095.8	4749.9	4834.1	4814.9	4499.3
70°	997.2	1008.2	1204.9	1536.0	1967.9	2764.7	4021.7	4810.3	4797.5	4772.8	4340.1
72.5°	687.1	685.2	870.0	1193.0	1717.2	2514.0	3676.8	4469.1	4408.7	4344.7	3796.7
75°	443.7	468.4	583.7	867.3	1388.8	2151.7	3230.4	3880.8	3778.4	3676.8	3127.9
77.5°	299.2	316.5	409.9	621.2	1061.2	1809.6	2780.2	3332.8	3161.7	3069.3	2525.0
80°	205.8	213.2	284.5	456.5	789.5	1435.4	2277.1	2758.3	2571.7	2461.9	1959.6
82.5°	144.5	150.0	198.5	336.7	594.7	1072.2	1817.8	2294.5	2098.7	2019.1	1522.3
85°	104.3	108.0	142.7	250.7	451.9	805.1	1383.3	1784.9	1614.7	1553.4	1087.8
87.5°	77.8	81.4	108.0	185.7	347.6	612.0	1032.0	1278.1	1095.1	1015.5	687.1
90°	57.6	61.3	83.3	139.1	271.7	461.1	747.4	873.7	710.8	644.1	438.2
92.5°	43.0	45.7	62.2	101.5	207.7	353.1	527.0	552.6	420.8	383.3	276.3
95°	32.0	33.8	46.7	74.1	148.2	257.1	344.9	322.9	247.9	225.1	174.7
97.5°	26.5	27.4	36.6	56.7	104.3	180.2	221.4	198.5	160.1	149.1	120.8
100°	22.0	22.9	29.3	43.0	75.9	123.5	146.4	129.0	111.6	107.0	94.2
102.5°	19.2	20.1	24.7	35.7	56.7	88.7	101.5	92.4	82.3	78.7	73.2
105°	17.4	17.4	22.0	30.2	46.7	66.8	74.1	67.7	61.3	59.5	58.6
107.5°	15.6	15.6	19.2	26.5	38.4	52.1	55.8	50.3	44.8	43.9	46.7
110°	14.6	14.6	17.4	23.8	32.9	43.0	43.9	37.5	33.8	33.8	37.5



REPORT NUMBER: P416327

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	13.7	13.7	16.5	21.0	29.3	35.7	34.8	29.3	26.5	26.5	31.1
115°	13.7	13.7	15.6	20.1	25.6	30.2	28.4	23.8	22.0	22.0	26.5
117.5°	13.7	14.6	15.6	19.2	23.8	26.5	24.7	20.1	19.2	19.2	23.8
120°	14.6	14.6	15.6	19.2	22.0	22.9	21.0	17.4	16.5	17.4	22.0
122.5°	14.6	14.6	16.5	19.2	21.0	21.0	18.3	15.6	15.6	15.6	20.1
125°	15.6	15.6	16.5	19.2	20.1	19.2	16.5	14.6	14.6	15.6	18.3
127.5°	16.5	16.5	17.4	19.2	19.2	17.4	15.6	13.7	13.7	14.6	18.3
130°	18.3	18.3	18.3	19.2	17.4	15.6	13.7	12.8	13.7	14.6	18.3
132.5°	18.3	18.3	18.3	18.3	16.5	13.7	12.8	11.9	13.7	14.6	17.4
135°	16.5	16.5	16.5	16.5	14.6	11.9	11.0	11.0	12.8	13.7	16.5
137.5°	14.6	14.6	14.6	13.7	12.8	11.0	9.1	9.1	11.0	11.9	14.6
140°	12.8	12.8	11.9	11.9	11.0	9.1	8.2	8.2	9.1	10.1	11.9
142.5°	10.1	10.1	10.1	10.1	9.1	7.3	6.4	6.4	8.2	9.1	10.1
145°	8.2	8.2	8.2	8.2	7.3	6.4	5.5	5.5	6.4	7.3	8.2
147.5°	6.4	6.4	7.3	7.3	6.4	5.5	3.7	4.6	5.5	5.5	6.4
150°	5.5	5.5	5.5	6.4	4.6	3.7	2.7	3.7	4.6	4.6	5.5
152.5°	4.6	4.6	4.6	4.6	3.7	1.8	2.7	3.7	3.7	4.6	4.6
155°	2.7	2.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	3.7	4.6
157.5°	1.8	1.8	2.7	2.7	2.7	1.8	1.8	2.7	2.7	2.7	3.7
160°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
162.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
165°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
167.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
170°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
172.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
175°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
177.5°	0.0	0.9	1.8	2.7	2.7	1.8	1.8	1.8	1.8	1.8	2.7
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



REPORT NUMBER: P416327

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2	234.2
2.5°	235.1	233.3	229.6	226.0	222.3	218.7	217.7	215.9	215.0	214.1	215.0
5°	244.3	238.8	230.5	222.3	215.0	208.6	204.0	199.4	195.8	193.9	193.9
7.5°	260.7	251.6	237.9	224.1	211.3	200.4	193.0	186.6	182.1	180.2	179.3
10°	286.4	275.4	255.2	233.3	214.1	197.6	186.6	179.3	174.7	172.0	172.0
12.5°	331.2	318.4	286.4	252.5	221.4	198.5	183.9	176.6	172.0	171.1	172.0
15°	401.6	381.5	334.8	286.4	238.8	200.4	182.1	179.3	181.1	182.1	182.1
17.5°	484.0	456.5	397.0	323.9	258.0	208.6	189.4	187.5	190.3	193.0	194.9
20°	576.4	540.7	454.7	359.5	270.8	220.5	196.7	193.0	199.4	204.9	204.0
22.5°	693.5	650.5	527.9	387.0	279.9	223.2	199.4	195.8	206.8	213.2	215.0
25°	847.2	785.9	613.9	416.3	285.4	219.6	197.6	198.5	215.0	227.8	230.5
27.5°	1014.6	925.8	693.5	440.0	285.4	210.4	194.9	205.8	228.7	245.2	247.0
30°	1197.5	1074.0	763.0	458.3	277.2	201.3	192.1	209.5	232.4	249.8	251.6
32.5°	1392.4	1227.7	835.3	464.7	265.3	193.9	189.4	206.8	226.0	241.5	245.2
35°	1565.3	1365.0	863.6	455.6	248.8	188.5	183.0	197.6	216.8	236.0	236.9
37.5°	1745.5	1495.8	876.4	430.0	232.4	183.0	177.5	191.2	214.1	236.9	239.7
40°	1822.4	1529.6	839.8	394.3	216.8	179.3	174.7	190.3	215.0	237.9	241.5
42.5°	1901.1	1562.6	795.0	343.1	206.8	178.4	177.5	190.3	210.4	228.7	231.5
45°	2035.6	1635.8	774.9	308.3	201.3	181.1	180.2	187.5	202.2	218.7	224.1
47.5°	2227.7	1746.5	764.8	286.4	201.3	185.7	183.0	184.8	193.9	208.6	213.2
50°	2473.8	1900.2	777.6	274.5	205.8	192.1	186.6	183.9	187.5	203.1	208.6
52.5°	2680.5	2047.4	793.2	272.6	213.2	200.4	192.1	183.9	186.6	204.9	211.3
55°	2897.4	2187.4	810.6	277.2	222.3	206.8	195.8	185.7	187.5	204.9	212.2
57.5°	3212.1	2425.3	855.4	287.3	231.5	214.1	200.4	188.5	186.6	200.4	205.8
60°	3499.3	2652.2	922.2	306.5	242.4	221.4	204.9	190.3	185.7	194.9	198.5
62.5°	3673.1	2774.8	947.8	324.8	253.4	227.8	206.8	190.3	188.5	196.7	199.4
65°	3852.5	2891.9	957.9	339.4	259.8	231.5	206.8	192.1	192.1	197.6	198.5
67.5°	3846.1	2866.2	934.1	346.7	265.3	233.3	206.8	192.1	193.9	199.4	200.4
70°	3677.7	2719.0	874.6	345.8	264.4	230.5	203.1	191.2	198.5	204.9	205.8
72.5°	3183.7	2337.5	778.5	334.8	256.2	223.2	197.6	189.4	200.4	209.5	209.5
75°	2611.9	1903.8	643.1	313.8	246.1	214.1	189.4	183.0	196.7	209.5	209.5
77.5°	2057.5	1490.3	521.5	286.4	231.5	203.1	179.3	172.0	187.5	199.4	198.5
80°	1598.3	1129.8	419.0	258.9	215.0	191.2	167.4	159.2	172.9	181.1	179.3
82.5°	1225.9	870.0	345.8	233.3	198.5	177.5	155.5	148.2	161.0	166.5	164.7
85°	837.1	623.0	283.6	204.9	177.5	161.0	143.6	138.1	152.8	159.2	157.4
87.5°	552.6	428.2	236.9	180.2	156.4	144.5	129.9	128.1	144.5	151.0	150.0
90°	365.0	299.2	201.3	156.4	136.3	126.3	117.1	117.1	131.7	137.2	133.6
92.5°	240.6	212.2	159.2	132.7	116.2	109.8	104.3	103.4	116.2	118.0	115.3
95°	163.8	149.1	124.4	109.8	97.9	94.2	89.7	91.5	99.7	97.9	95.1
97.5°	117.1	113.4	100.6	89.7	81.4	80.5	78.7	79.6	84.2	80.5	78.7
100°	93.3	90.6	83.3	75.0	69.5	68.6	67.7	68.6	71.4	67.7	65.9
102.5°	75.0	75.0	69.5	63.1	58.6	59.5	59.5	59.5	60.4	54.9	54.9
105°	60.4	60.4	58.6	53.1	50.3	50.3	51.2	51.2	51.2	47.6	47.6
107.5°	48.5	50.3	49.4	44.8	43.0	43.9	43.9	43.0	43.0	41.2	41.2
110°	39.3	41.2	41.2	38.4	37.5	38.4	37.5	36.6	35.7	35.7	35.7



REPORT NUMBER: P416327

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.9	34.8	35.7	33.8	32.9	32.9	32.0	31.1	31.1	32.0	32.0
115°	28.4	30.2	31.1	29.3	29.3	29.3	27.4	26.5	26.5	28.4	28.4
117.5°	25.6	26.5	27.4	26.5	25.6	25.6	24.7	22.9	22.9	24.7	25.6
120°	22.9	23.8	24.7	23.8	22.9	22.0	21.0	20.1	20.1	22.9	22.9
122.5°	21.0	22.0	22.0	21.0	20.1	20.1	19.2	18.3	18.3	20.1	21.0
125°	20.1	20.1	20.1	19.2	18.3	17.4	16.5	16.5	16.5	18.3	18.3
127.5°	19.2	19.2	18.3	17.4	16.5	15.6	15.6	14.6	14.6	16.5	17.4
130°	19.2	19.2	17.4	16.5	15.6	13.7	13.7	12.8	13.7	15.6	15.6
132.5°	18.3	18.3	16.5	15.6	13.7	12.8	11.9	11.9	11.9	13.7	14.6
135°	17.4	16.5	14.6	13.7	11.9	11.0	11.0	11.0	11.0	12.8	12.8
137.5°	15.6	14.6	12.8	11.9	11.0	10.1	9.1	9.1	10.1	11.0	11.9
140°	12.8	12.8	11.0	10.1	9.1	8.2	8.2	8.2	9.1	10.1	10.1
142.5°	11.0	11.0	9.1	8.2	7.3	6.4	7.3	7.3	8.2	9.1	9.1
145°	9.1	8.2	8.2	6.4	6.4	5.5	5.5	6.4	7.3	8.2	8.2
147.5°	7.3	7.3	6.4	5.5	4.6	4.6	4.6	5.5	6.4	6.4	7.3
150°	6.4	6.4	5.5	5.5	3.7	2.7	3.7	5.5	5.5	5.5	5.5
152.5°	5.5	5.5	5.5	4.6	3.7	1.8	2.7	4.6	4.6	4.6	4.6
155°	4.6	4.6	4.6	3.7	2.7	0.9	2.7	3.7	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	1.8	0.9	1.8	2.7	2.7	2.7	3.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	1.8	2.7	2.7	2.7	2.7
162.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	1.8	1.8	1.8
165°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
167.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
170°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
172.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
175°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
177.5°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	1.8	1.8	0.9	0.9
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)