

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: P416346

Luminaire Tested: **LXF.LXT-PA1-70-740-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416346
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-PA1-70-740-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 930mA 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: 8260 lumens
Efficiency: N/A
Efficacy: 111.6 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: B3 - U3 - G3

Input Watts (W): 74
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

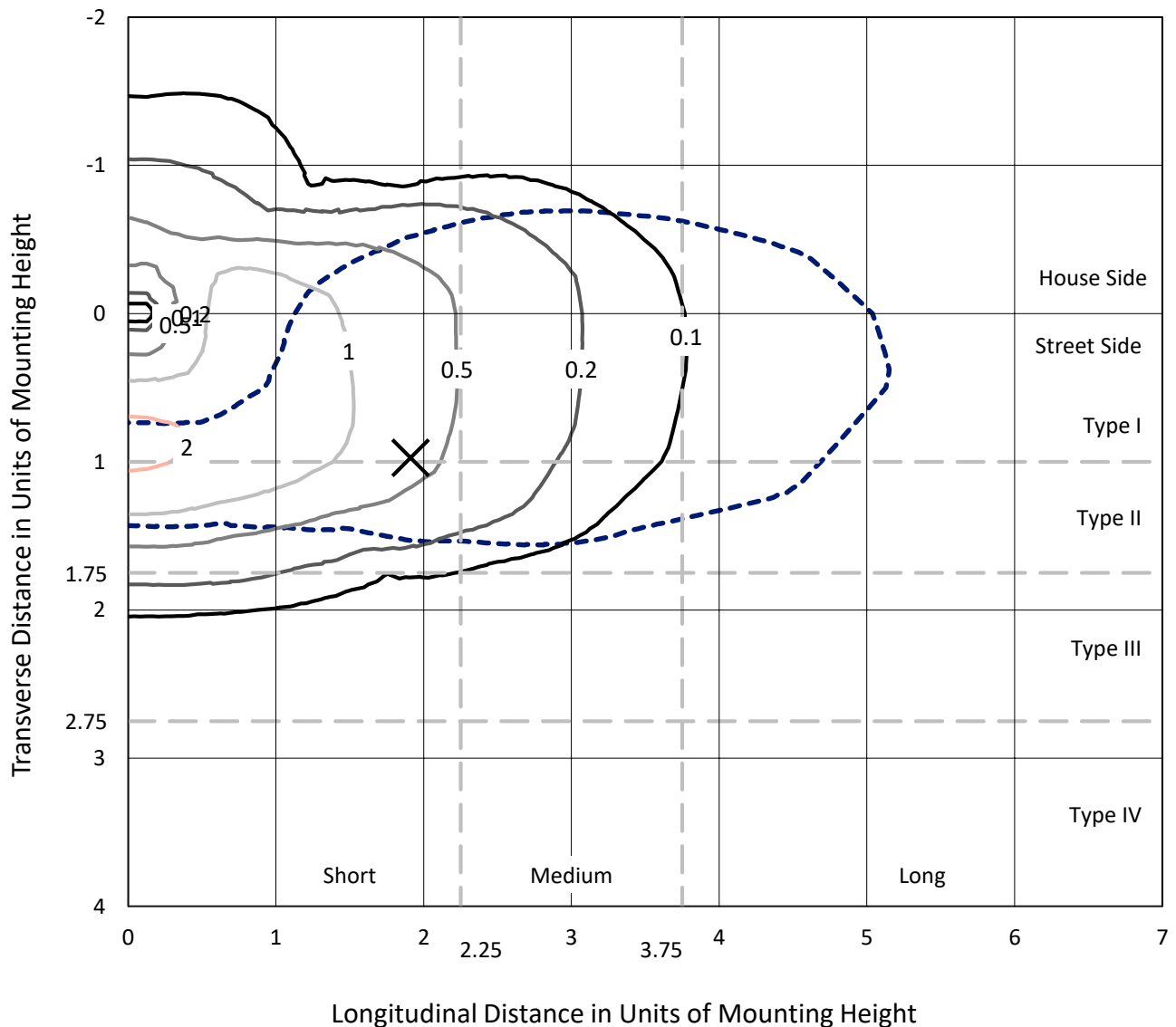


REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

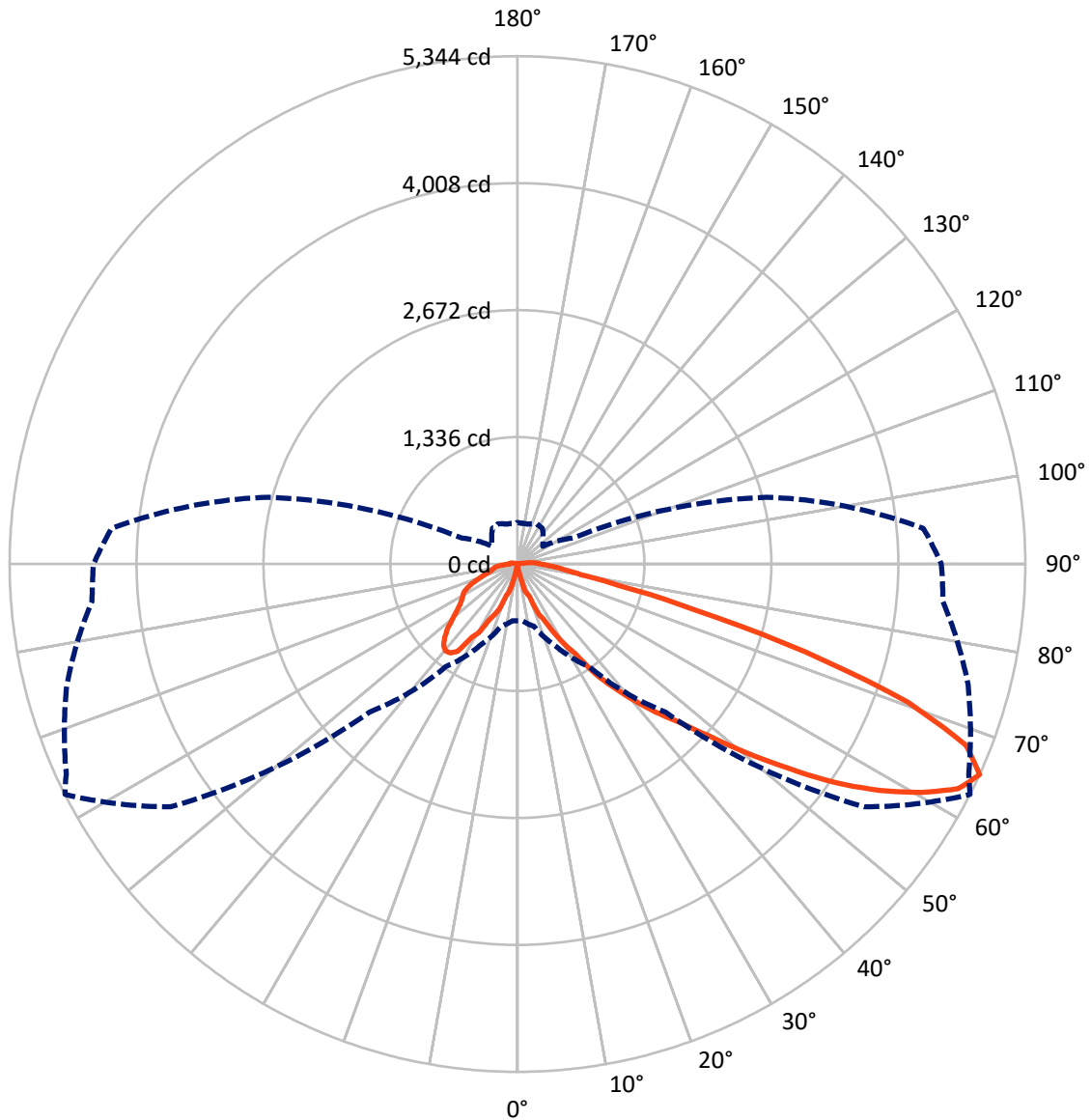


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

Luminous Intensity Polar Plot



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



REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2350.7	68.2	2418.9
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	5777.5	63.6	5841.1
	% Fixture	69.9	0.8	70.7
Total	Lumens	8128.2	131.8	8260.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.1
10°-20°	74.2	0.9
20°-30°	303.5	3.7
30°-40°	788.5	9.5
40°-50°	1499.3	18.2
50°-60°	2018.3	24.4
60°-70°	1912.0	23.1
70°-80°	1198.2	14.5
80°-90°	329.0	4.0
90°-100°	92.1	1.1
100°-110°	17.1	0.2
110°-120°	8.3	0.1
120°-130°	6.0	0.1
130°-140°	3.9	0.0
140°-150°	3.2	0.0
150°-160°	1.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8128.2	98.4
0°-180°	8260.0	100.0



REPORT NUMBER: P416346

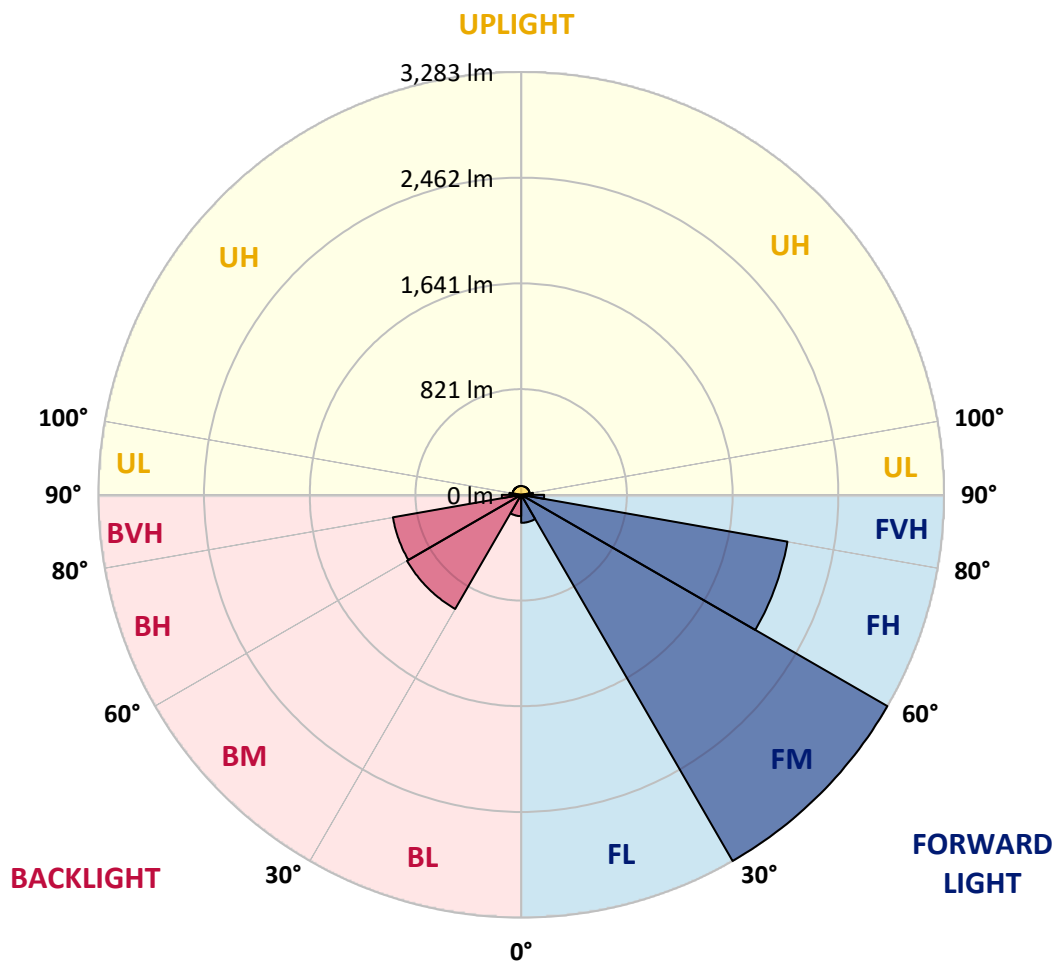
CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	217.4	2.6			
FM	(30°-60°)	3282.6	39.7			
FH	(60°-80°)	2099.0	25.4			G2/5000
FVH	(80°-90°)	178.5	2.2			G2/225
BL	(0°-30°)	165.5	2.0	B1/500		
BM	(30°-60°)	1023.5	12.4	B2/2500		
BH	(60°-80°)	1011.2	12.2	B3/2500		G3/2500
BVH	(80°-90°)	150.5	1.8			G2/225
UL	(90°-100°)	92.1	1.1		U3/500	
UH	(100°-180°)	68.2	0.8		U3/500	

BUG Rating: B3-U3-G3

Type II Short





REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	11.0	10.1	11.0	11.0	10.1	9.1	8.2	7.3	6.4	4.6	3.7
5°	129.0	129.9	128.1	125.3	44.8	20.1	11.9	9.1	8.2	5.5	4.6
7.5°	148.2	147.3	146.4	144.5	138.1	129.9	70.4	16.5	12.8	7.3	4.6
10°	162.8	161.0	156.4	155.5	149.1	144.5	133.6	86.0	72.3	12.8	9.1
12.5°	296.4	290.0	284.5	235.1	164.7	155.5	149.1	129.9	127.2	81.4	121.7
15°	310.1	311.0	307.4	301.9	289.1	193.9	241.5	292.7	291.8	252.5	248.8
17.5°	352.2	349.5	335.7	322.0	317.4	344.9	342.1	326.6	326.6	289.1	273.5
20°	544.3	539.7	531.5	442.8	394.3	445.5	418.1	364.1	365.9	446.4	484.9
22.5°	630.3	628.5	612.0	572.7	558.0	491.3	550.7	569.9	559.0	565.4	541.6
25°	862.7	853.5	781.3	711.7	720.0	663.2	662.3	650.4	644.0	615.7	658.7
27.5°	1097.8	1090.5	1074.0	976.1	831.6	799.6	748.3	816.9	798.6	864.5	879.1
30°	1454.6	1387.8	1248.7	1182.9	1135.3	982.5	967.9	988.9	983.4	965.1	948.7
32.5°	1826.0	1798.5	1717.1	1476.5	1325.6	1237.8	1194.8	1129.8	1099.6	1296.3	1310.0
35°	2213.9	2188.3	1988.8	1848.9	1590.0	1447.3	1423.5	1432.6	1392.4	1488.4	1465.5
37.5°	2896.3	2883.5	2683.2	2248.6	1977.9	1698.8	1665.9	1654.9	1591.8	1661.3	1662.2
40°	3334.5	3313.5	3092.1	2771.9	2335.5	2103.2	1943.1	1880.0	1863.5	1867.2	1868.1
42.5°	3660.2	3626.4	3497.4	3202.8	2747.2	2474.6	2248.6	2127.0	2159.9	2095.9	2092.2
45°	3871.5	3853.2	3736.1	3490.1	3174.4	3039.0	2639.3	2364.8	2475.5	2361.2	2355.7
47.5°	3919.1	3910.9	3829.5	3706.0	3574.2	3517.5	3110.4	2690.5	2792.0	2741.7	2639.3
50°	3712.4	3719.7	3689.5	3734.3	3877.9	3942.9	3607.2	3122.3	3178.1	3058.3	2927.4
52.5°	3260.4	3259.5	3369.3	3567.8	3989.6	4249.4	4067.3	3571.5	3568.7	3351.9	3203.7
55°	2617.3	2666.7	2852.4	3160.7	3836.8	4390.2	4503.7	4065.5	3988.6	3695.0	3449.8
57.5°	1994.3	2058.4	2286.1	2566.1	3402.2	4290.5	4821.1	4494.5	4414.9	4004.2	3710.5
60°	1349.4	1374.1	1661.3	1985.2	2706.1	3907.2	4970.2	4881.5	4793.7	4319.8	3974.0
62.5°	899.3	921.2	1085.9	1480.2	1940.3	3175.4	4874.2	5208.1	5091.9	4693.1	4249.4
65°	598.3	598.3	679.7	952.3	1320.1	2204.7	4453.4	5344.4	5239.2	4909.0	4493.6
67.5°	440.9	448.3	474.8	613.8	899.3	1319.2	3542.2	5092.8	5103.8	4933.7	4571.4
70°	399.8	404.4	427.2	462.9	642.2	784.9	2341.0	4362.8	4552.2	4747.0	4471.7
72.5°	349.5	351.3	387.9	426.3	505.9	602.0	1361.3	3170.8	3568.7	4340.8	4197.2
75°	292.7	295.5	324.8	382.4	437.3	505.0	724.5	1930.3	2326.4	3727.0	3834.0
77.5°	237.9	244.3	268.0	312.9	401.6	423.6	556.2	1103.3	1347.5	2775.6	3241.2
80°	183.0	189.4	210.4	246.1	328.4	374.2	462.0	678.8	816.9	1725.4	2265.1
82.5°	125.3	129.9	150.9	177.5	235.1	312.0	382.4	500.4	540.7	944.1	1249.7
85°	88.7	91.5	105.2	117.1	146.4	204.9	319.3	397.0	408.0	500.4	508.6
87.5°	50.3	49.4	51.2	59.5	66.8	79.6	188.5	290.9	304.6	348.5	323.8
90°	34.8	33.8	28.4	27.4	31.1	33.8	107.0	231.5	243.3	280.9	288.2
92.5°	36.6	34.8	27.4	25.6	29.3	31.1	71.4	202.2	227.8	280.9	296.4
95°	34.8	32.9	24.7	22.0	26.5	27.4	43.9	139.1	179.3	262.6	290.0
97.5°	30.2	28.4	20.1	18.3	22.0	22.0	24.7	64.0	87.8	122.6	138.1
100°	24.7	22.9	16.5	14.6	15.6	16.5	15.6	32.0	32.0	33.8	26.5
102.5°	22.0	21.0	13.7	11.9	11.0	11.0	10.1	15.6	16.5	18.3	22.9
105°	19.2	18.3	11.9	10.1	8.2	8.2	7.3	10.1	11.0	15.6	22.0
107.5°	13.7	13.7	10.1	8.2	7.3	7.3	5.5	8.2	9.1	13.7	22.9
110°	9.1	9.1	7.3	7.3	6.4	7.3	5.5	8.2	8.2	11.0	17.4



REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	7.3	7.3	6.4	5.5	4.6	5.5	6.4	7.3	7.3	8.2	11.0
115°	7.3	6.4	5.5	4.6	3.7	4.6	4.6	6.4	6.4	8.2	11.0
117.5°	7.3	7.3	5.5	4.6	3.7	3.7	4.6	5.5	5.5	8.2	11.9
120°	7.3	7.3	5.5	4.6	3.7	2.7	3.7	5.5	5.5	7.3	11.0
122.5°	7.3	7.3	5.5	4.6	3.7	2.7	3.7	4.6	4.6	6.4	11.0
125°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	3.7	3.7	6.4	10.1
127.5°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	3.7	3.7	5.5	8.2
130°	8.2	8.2	6.4	4.6	3.7	2.7	3.7	2.7	2.7	4.6	7.3
132.5°	8.2	7.3	6.4	5.5	4.6	3.7	3.7	2.7	2.7	2.7	5.5
135°	7.3	7.3	6.4	5.5	4.6	3.7	3.7	2.7	2.7	2.7	3.7
137.5°	7.3	7.3	7.3	6.4	5.5	4.6	3.7	2.7	2.7	2.7	2.7
140°	8.2	8.2	8.2	7.3	5.5	4.6	3.7	2.7	2.7	2.7	2.7
142.5°	9.1	9.1	9.1	8.2	5.5	4.6	4.6	2.7	2.7	2.7	2.7
145°	10.1	10.1	10.1	8.2	5.5	4.6	4.6	3.7	3.7	2.7	3.7
147.5°	11.0	11.0	10.1	8.2	4.6	3.7	3.7	3.7	3.7	3.7	3.7
150°	10.1	9.1	9.1	6.4	3.7	1.8	2.7	2.7	2.7	3.7	3.7
152.5°	7.3	7.3	6.4	4.6	2.7	0.9	1.8	1.8	2.7	2.7	2.7
155°	4.6	4.6	3.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	1.8
157.5°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	3.7	3.7	4.6	5.5	5.5	6.4	6.4	6.4	6.4	6.4	6.4
5°	3.7	3.7	4.6	5.5	6.4	7.3	8.2	8.2	8.2	9.1	9.1
7.5°	4.6	4.6	4.6	6.4	7.3	10.1	27.4	82.3	127.2	130.8	132.6
10°	9.1	9.1	9.1	9.1	20.1	117.1	145.5	151.9	155.5	158.3	158.3
12.5°	122.6	121.7	43.9	22.0	100.6	151.9	161.0	165.6	169.2	172.0	172.9
15°	248.8	249.7	249.7	252.5	183.0	165.6	174.7	258.0	305.6	314.7	318.4
17.5°	272.6	272.6	271.7	302.8	340.3	269.0	300.1	327.5	336.7	341.2	343.1
20°	497.7	496.8	400.7	347.6	359.5	446.4	335.7	348.5	355.9	424.5	426.3
22.5°	548.9	546.2	534.3	537.0	423.6	483.0	460.2	446.4	489.4	487.6	489.4
25°	674.2	608.4	582.7	577.3	613.8	502.2	533.3	462.0	473.0	471.1	473.0
27.5°	882.8	859.0	799.6	676.1	654.1	620.3	534.3	484.9	545.2	559.0	560.8
30°	946.8	916.7	853.5	859.0	729.1	631.2	520.5	537.0	516.0	514.1	510.5
32.5°	1298.1	1258.8	1163.7	936.8	812.4	592.8	523.3	488.5	499.5	536.1	537.9
35°	1446.3	1401.5	1334.7	1195.7	787.7	581.8	478.5	476.6	483.9	484.9	483.0
37.5°	1614.7	1556.1	1493.0	1259.7	822.4	526.9	446.4	447.3	463.8	495.8	492.2
40°	1810.4	1745.5	1643.0	1297.2	738.3	494.0	425.4	439.1	456.5	449.2	442.8
42.5°	2030.9	1924.8	1763.8	1289.9	642.2	455.6	419.9	429.1	426.3	412.6	408.9
45°	2258.7	2146.2	1881.8	1228.6	555.3	430.9	409.8	412.6	401.6	384.2	380.6
47.5°	2521.3	2373.1	1948.6	1139.0	485.8	429.1	407.1	397.9	376.9	361.4	360.4
50°	2785.6	2623.7	2052.9	1019.1	433.6	421.7	413.5	394.3	368.7	353.1	351.3
52.5°	3044.5	2902.7	2165.4	918.5	394.3	413.5	416.2	396.1	368.7	345.8	344.9
55°	3304.3	3179.9	2287.1	838.9	367.8	412.6	426.3	401.6	374.2	340.3	339.4
57.5°	3565.1	3444.3	2404.2	785.8	355.9	400.7	432.7	419.0	388.8	360.4	362.3
60°	3874.3	3731.6	2542.3	748.3	351.3	394.3	438.2	439.1	397.9	365.9	370.5
62.5°	4178.0	4033.5	2659.4	713.6	339.4	387.9	440.9	454.7	418.1	390.6	395.2
65°	4460.7	4288.7	2713.4	646.8	324.8	380.6	457.4	468.4	433.6	430.9	436.4
67.5°	4568.6	4408.5	2660.3	563.5	315.6	380.6	474.8	487.6	450.1	464.7	479.4
70°	4464.3	4330.8	2526.7	459.2	318.4	383.3	477.5	496.8	473.9	485.8	498.6
72.5°	4140.5	3970.3	2202.0	369.6	318.4	379.7	465.6	482.1	464.7	504.1	516.9
75°	3731.6	3435.2	1752.8	304.6	309.2	377.8	438.2	457.4	440.0	481.2	494.9
77.5°	3082.0	2702.4	1212.1	269.0	296.4	361.4	409.8	413.5	396.1	420.8	427.2
80°	2173.6	1821.4	767.5	243.3	283.6	326.6	363.2	356.8	339.4	344.0	349.5
82.5°	1212.1	963.3	447.3	224.1	266.2	271.7	297.3	299.1	276.3	277.2	278.1
85°	481.2	445.5	302.8	188.5	215.0	195.8	222.3	231.5	209.5	183.9	178.4
87.5°	319.3	302.8	211.3	129.0	131.7	110.7	144.5	150.0	123.5	107.0	106.1
90°	303.7	294.6	182.1	86.9	73.2	60.4	80.5	77.8	59.5	52.1	53.1
92.5°	312.9	307.4	184.8	83.2	71.4	57.6	71.4	61.3	44.8	39.3	40.3
95°	308.3	305.6	180.2	81.4	67.7	53.1	60.4	49.4	34.8	31.1	31.1
97.5°	146.4	154.6	111.6	73.2	60.4	44.8	46.7	37.5	24.7	22.9	22.0
100°	22.0	34.8	60.4	67.7	44.8	31.1	30.2	24.7	15.6	14.6	14.6
102.5°	22.9	24.7	37.5	46.7	24.7	16.5	16.5	14.6	11.9	13.7	13.7
105°	24.7	22.9	22.0	25.6	14.6	10.1	9.1	9.1	10.1	14.6	15.6
107.5°	26.5	24.7	17.4	13.7	11.0	9.1	7.3	6.4	9.1	15.6	16.5
110°	20.1	19.2	14.6	11.0	11.0	10.1	6.4	6.4	10.1	16.5	18.3



REPORT NUMBER: P416346

CATALOG NUMBER: LXF.LXT-PA1-70-740-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.9	13.7	12.8	10.1	9.1	9.1	6.4	6.4	10.1	17.4	19.2
115°	12.8	12.8	11.0	8.2	7.3	7.3	6.4	5.5	10.1	18.3	19.2
117.5°	12.8	12.8	11.0	8.2	6.4	5.5	5.5	5.5	10.1	18.3	19.2
120°	12.8	12.8	11.0	7.3	6.4	5.5	5.5	5.5	10.1	17.4	19.2
122.5°	11.9	11.9	10.1	7.3	5.5	5.5	5.5	5.5	10.1	16.5	17.4
125°	11.0	11.0	9.1	6.4	5.5	4.6	5.5	5.5	9.1	14.6	15.6
127.5°	9.1	10.1	8.2	6.4	5.5	4.6	5.5	5.5	8.2	12.8	13.7
130°	8.2	8.2	7.3	5.5	4.6	4.6	5.5	5.5	8.2	11.9	12.8
132.5°	6.4	6.4	5.5	5.5	4.6	4.6	4.6	4.6	6.4	10.1	10.1
135°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	8.2
137.5°	3.7	3.7	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.4	6.4
140°	2.7	3.7	3.7	4.6	4.6	4.6	4.6	4.6	4.6	5.5	5.5
142.5°	2.7	3.7	3.7	4.6	4.6	4.6	4.6	4.6	5.5	6.4	6.4
145°	3.7	3.7	4.6	4.6	4.6	3.7	4.6	4.6	5.5	6.4	6.4
147.5°	3.7	3.7	4.6	4.6	4.6	3.7	3.7	4.6	5.5	6.4	6.4
150°	3.7	3.7	4.6	4.6	3.7	2.7	3.7	3.7	4.6	6.4	6.4
152.5°	3.7	3.7	3.7	3.7	2.7	1.8	2.7	2.7	3.7	4.6	4.6
155°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	2.7	2.7	3.7
157.5°	1.8	1.8	1.8	2.7	1.8	1.8	0.9	0.9	0.9	1.8	1.8
160°	0.9	0.9	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
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)