

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: P413755

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-727-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8237 lumens
Efficiency: N/A
Efficacy: 85.8 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

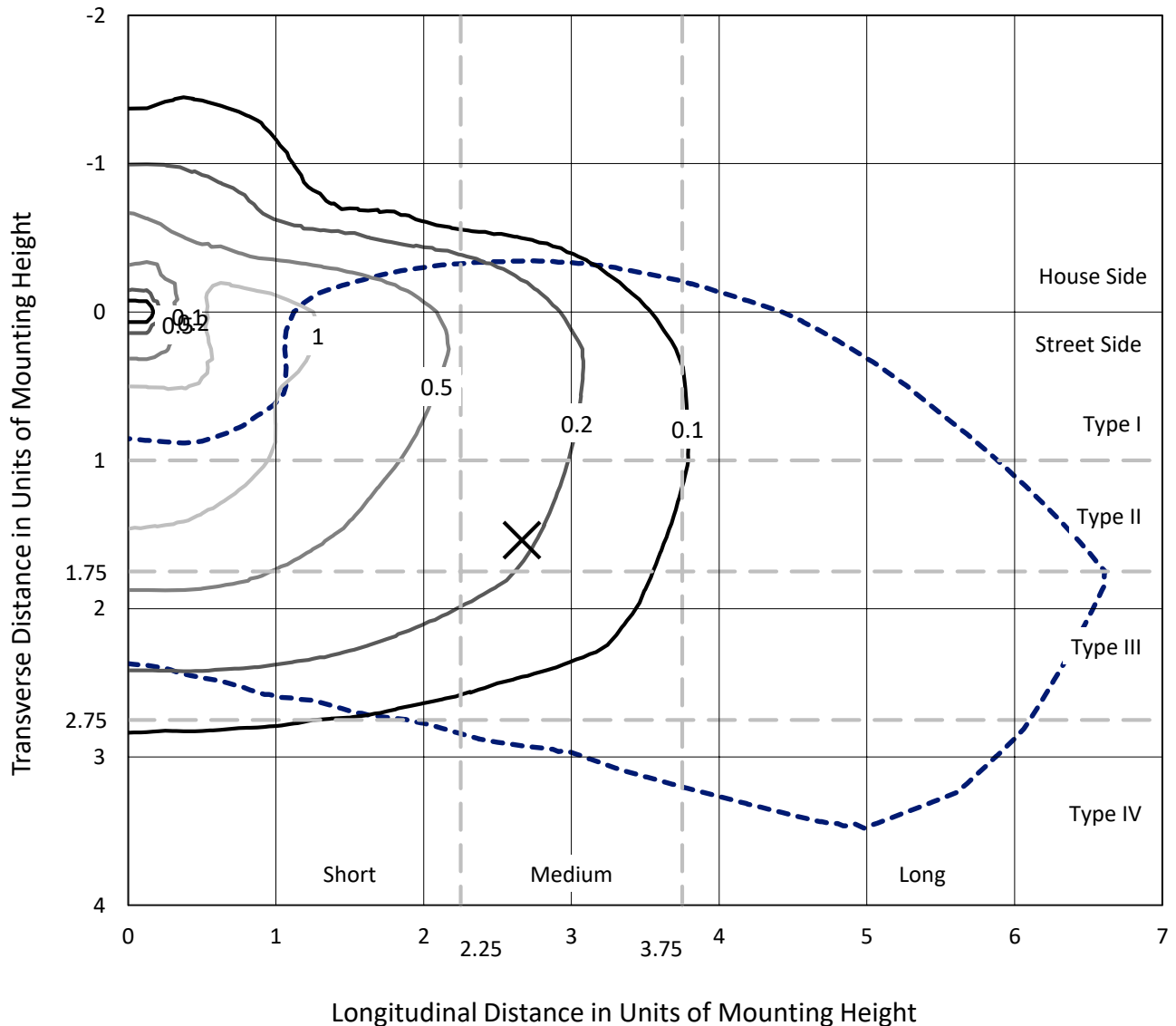
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

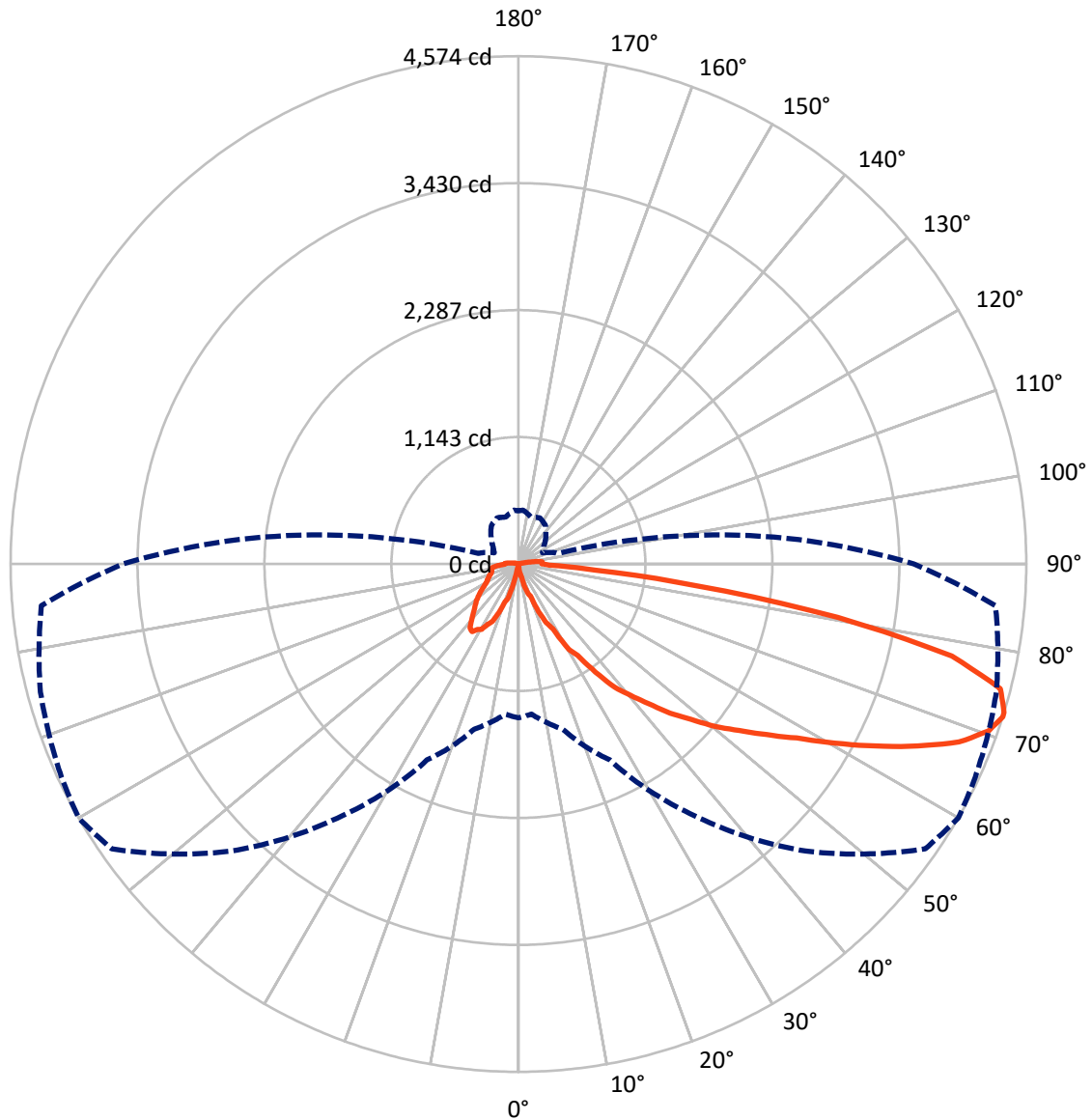


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P413755

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.2	87.9	1888.1
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	6271.8	77.2	6349.0
	% Fixture	76.1	0.9	77.1
Total	Lumens	8072.0	165.0	8237.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	67.4	0.8
20°-30°	280.8	3.4
30°-40°	648.7	7.9
40°-50°	1139.1	13.8
50°-60°	1721.7	20.9
60°-70°	2122.9	25.8
70°-80°	1639.0	19.9
80°-90°	447.8	5.4
90°-100°	121.6	1.5
100°-110°	21.0	0.3
110°-120°	8.1	0.1
120°-130°	5.8	0.1
130°-140°	3.9	0.0
140°-150°	3.1	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8072.0	98.0
0°-180°	8237.0	100.0



REPORT NUMBER: P413755

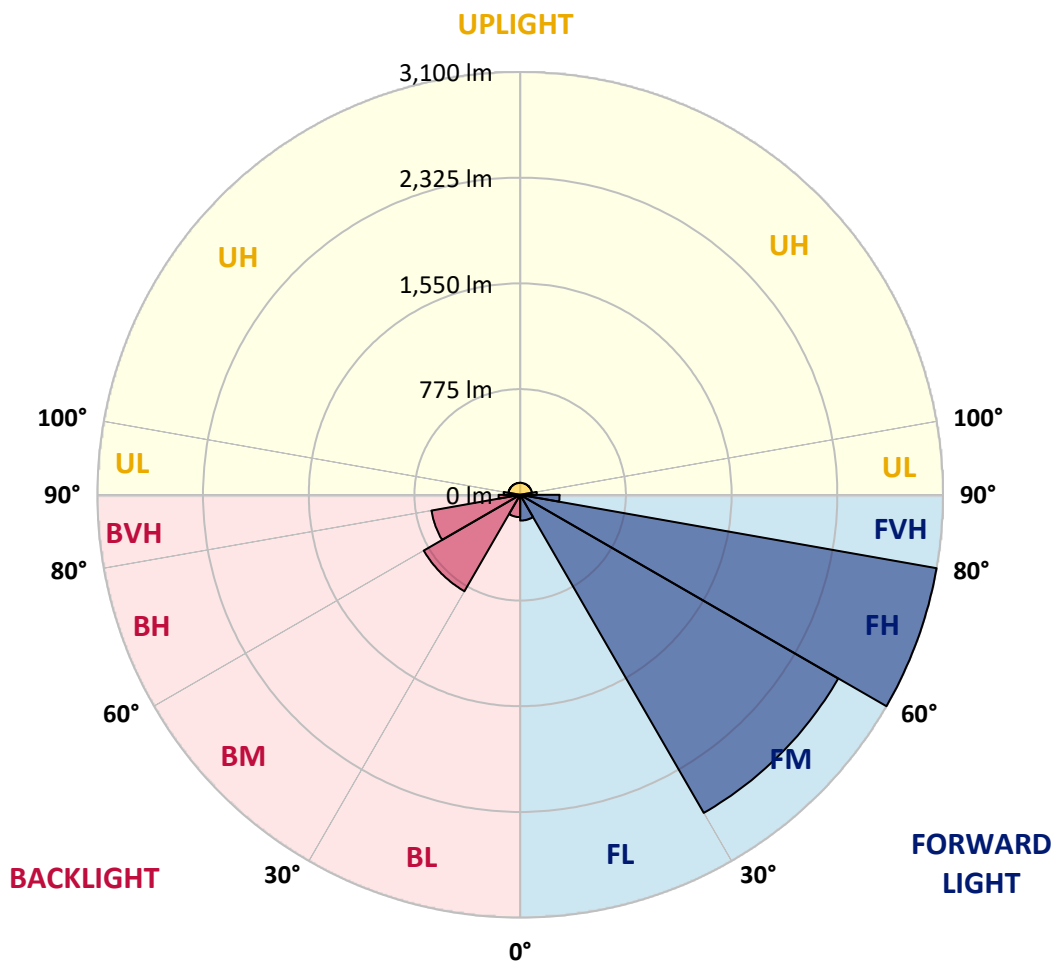
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.1	2.3			
FM	(30°-60°)	2693.1	32.7			
FH	(60°-80°)	3100.4	37.6			G2/5000
FVH	(80°-90°)	289.2	3.5			G3/500
BL	(0°-30°)	163.6	2.0	B1/500		
BM	(30°-60°)	816.5	9.9	B1/1000		
BH	(60°-80°)	661.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	158.6	1.9			G2/225
UL	(90°-100°)	121.6	1.5		U3/500	
UH	(100°-180°)	87.9	1.1		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium





REPORT NUMBER: P413755

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	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	10.0	9.1	9.1	10.0	9.1	8.2	7.3	6.4	6.4	5.5
5°	102.3	99.5	98.6	79.4	36.5	28.3	12.8	10.0	8.2	6.4	5.5
7.5°	113.2	112.3	111.4	111.4	109.6	104.1	59.4	29.2	16.4	8.2	7.3
10°	129.7	127.8	122.4	119.6	116.9	115.1	106.8	101.4	45.7	13.7	11.9
12.5°	231.0	227.4	221.9	164.4	140.6	124.2	121.4	116.9	101.4	42.0	84.9
15°	248.4	247.5	243.8	241.1	233.8	155.2	188.1	214.6	242.9	198.1	221.0
17.5°	312.3	303.2	279.4	265.7	261.2	284.9	272.1	276.7	276.7	266.6	252.9
20°	466.6	460.2	448.3	395.4	297.7	367.1	359.8	305.9	315.0	389.9	452.9
22.5°	562.5	556.1	531.4	497.6	491.3	408.2	424.6	463.9	474.8	547.0	546.0
25°	763.4	751.5	698.5	599.0	611.8	526.9	592.6	583.5	555.2	602.7	619.1
27.5°	932.3	922.2	896.7	846.5	709.5	736.9	673.9	662.0	737.8	871.1	868.4
30°	1118.6	1063.8	995.3	979.8	878.4	835.5	851.9	891.2	919.5	932.3	964.2
32.5°	1356.9	1350.5	1299.4	1097.6	1065.6	955.1	1033.6	979.8	1001.7	1186.1	1295.7
35°	1522.2	1538.6	1448.2	1327.7	1176.1	1173.4	1140.5	1194.4	1299.4	1324.9	1400.7
37.5°	1907.5	1912.1	1830.8	1486.5	1387.9	1293.0	1395.2	1409.8	1439.1	1482.9	1546.8
40°	2197.9	2156.8	2056.3	1800.7	1586.1	1482.9	1555.9	1554.1	1618.0	1698.4	1738.6
42.5°	2555.8	2510.2	2330.3	2040.8	1839.9	1725.8	1733.1	1717.6	1770.5	1897.5	1922.1
45°	2856.2	2836.1	2697.3	2392.4	2120.3	1983.3	1934.0	1914.8	1941.3	2101.1	2114.8
47.5°	3140.2	3086.3	2995.9	2687.3	2527.5	2278.2	2136.7	2091.0	2099.2	2281.0	2321.1
50°	3440.6	3350.2	3238.8	2967.6	2851.7	2648.9	2369.5	2298.3	2301.0	2469.1	2537.5
52.5°	3618.7	3475.3	3403.2	3178.6	3061.7	2960.3	2613.3	2490.1	2502.8	2661.7	2765.8
55°	3508.2	3465.3	3467.1	3332.9	3246.1	3127.4	2849.8	2711.9	2726.6	2912.8	3043.4
57.5°	3321.9	3354.8	3470.7	3465.3	3416.9	3300.9	3085.4	2956.7	3040.7	3196.8	3334.7
60°	3178.6	3216.0	3404.1	3500.9	3591.3	3506.4	3329.2	3273.5	3352.0	3488.1	3653.4
62.5°	2939.3	2969.4	3227.9	3483.5	3586.7	3681.7	3561.1	3611.4	3683.5	3798.6	3999.4
65°	2612.4	2605.1	2926.5	3324.6	3556.6	3779.4	3859.7	3952.0	4017.7	4141.0	4323.6
67.5°	2226.2	2262.7	2533.0	2982.2	3438.8	3828.7	4110.8	4279.8	4320.9	4368.3	4499.8
70°	1818.0	1816.2	2052.7	2530.2	3185.9	3801.3	4349.2	4495.3	4496.2	4467.9	4507.1
72°	1386.1	1356.9	1539.5	1946.8	2766.7	3654.3	4471.5	4573.8	4540.0	4456.0	4312.6
72.5°	1189.8	1216.3	1387.9	1833.5	2578.6	3581.2	4484.3	4572.9	4536.4	4444.1	4254.2
75°	603.6	565.2	662.9	982.5	1778.7	2893.7	4392.1	4483.4	4381.1	4266.1	3730.1
77.5°	236.5	242.9	281.2	424.6	865.6	1905.7	3791.3	3990.3	3924.6	3843.3	2942.1
80°	166.2	166.2	188.1	242.0	443.8	774.3	2627.0	2916.5	3017.8	3058.0	1967.8
82.5°	120.5	122.4	143.4	168.9	316.9	371.6	1290.2	1620.8	1780.6	1930.3	1100.3
85°	112.3	112.3	115.1	113.2	226.5	264.8	469.3	692.1	799.9	937.8	444.7
87.5°	53.0	57.5	84.9	67.6	111.4	163.4	255.7	277.6	284.0	322.3	319.6
90°	34.7	34.7	28.3	29.2	54.8	132.4	205.5	210.0	201.8	236.5	297.7
92.5°	35.6	36.5	26.5	27.4	42.9	121.4	210.9	214.6	208.2	248.4	315.9
95°	32.9	32.9	22.8	23.7	33.8	93.1	210.9	214.6	196.3	247.5	315.9
97.5°	27.4	28.3	18.3	19.2	26.5	45.7	146.1	157.1	125.1	126.0	154.3
100°	23.7	23.7	14.6	15.5	19.2	21.0	74.0	77.6	69.4	31.0	21.0
102.5°	23.7	23.7	12.8	12.8	12.8	11.9	22.8	38.4	32.0	18.3	20.1
105°	22.8	23.7	11.9	10.0	10.0	9.1	11.9	14.6	14.6	14.6	21.0
107.5°	18.3	19.2	9.1	9.1	8.2	8.2	6.4	6.4	9.1	13.7	22.8



REPORT NUMBER: P413755

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	14.6	14.6	7.3	8.2	6.4	7.3	5.5	5.5	8.2	10.0	17.3
112.5°	8.2	8.2	5.5	6.4	5.5	6.4	5.5	5.5	6.4	8.2	11.0
115°	7.3	7.3	4.6	4.6	4.6	4.6	4.6	4.6	5.5	7.3	11.9
117.5°	7.3	7.3	4.6	4.6	4.6	3.7	3.7	4.6	4.6	7.3	11.9
120°	7.3	7.3	4.6	4.6	3.7	3.7	3.7	4.6	4.6	7.3	11.9
122.5°	8.2	7.3	4.6	3.7	3.7	3.7	3.7	3.7	4.6	6.4	11.9
125°	8.2	7.3	5.5	3.7	3.7	3.7	3.7	3.7	4.6	6.4	10.0
127.5°	8.2	8.2	5.5	3.7	3.7	3.7	3.7	3.7	3.7	5.5	9.1
130°	8.2	7.3	5.5	3.7	3.7	3.7	3.7	3.7	3.7	5.5	8.2
132.5°	7.3	7.3	5.5	3.7	4.6	3.7	3.7	3.7	3.7	4.6	6.4
135°	6.4	6.4	4.6	4.6	4.6	3.7	3.7	3.7	3.7	3.7	5.5
137.5°	6.4	6.4	5.5	4.6	4.6	4.6	3.7	3.7	3.7	3.7	4.6
140°	6.4	6.4	5.5	5.5	5.5	4.6	3.7	3.7	3.7	4.6	4.6
142.5°	7.3	7.3	6.4	5.5	5.5	4.6	3.7	3.7	4.6	4.6	4.6
145°	8.2	8.2	7.3	6.4	5.5	3.7	3.7	4.6	4.6	4.6	5.5
147.5°	8.2	8.2	7.3	5.5	4.6	3.7	3.7	4.6	4.6	5.5	5.5
150°	7.3	7.3	6.4	4.6	3.7	2.7	3.7	3.7	4.6	5.5	5.5
152.5°	5.5	5.5	4.6	3.7	2.7	1.8	2.7	3.7	3.7	4.6	5.5
155°	3.7	3.7	2.7	1.8	1.8	1.8	2.7	2.7	2.7	3.7	4.6
157.5°	1.8	1.8	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	3.7
160°	0.9	0.9	0.9	0.9	1.8	1.8	1.8	2.7	2.7	2.7	2.7
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: P413755

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-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°	5.5	5.5	5.5	5.5	5.5	5.5	6.4	6.4	6.4	7.3	8.2
5°	5.5	5.5	5.5	5.5	6.4	7.3	8.2	9.1	10.0	11.0	11.0
7.5°	6.4	6.4	6.4	7.3	8.2	10.0	22.8	80.4	109.6	119.6	116.9
10°	11.9	11.9	11.0	11.0	12.8	106.8	136.1	147.9	154.3	161.6	161.6
12.5°	95.0	109.6	39.3	21.9	105.9	149.8	160.7	168.9	174.4	181.7	181.7
15°	229.2	232.8	239.2	215.5	208.2	169.8	177.1	240.1	315.9	336.0	337.9
17.5°	257.5	262.1	266.6	315.9	336.0	260.2	299.5	336.9	344.2	351.5	351.5
20°	491.3	498.6	404.5	362.5	354.3	441.0	338.8	347.9	360.7	425.5	431.9
22.5°	557.0	561.6	526.0	548.8	401.8	461.1	445.6	445.6	498.6	502.2	503.1
25°	624.6	650.1	582.6	564.3	571.6	466.6	526.0	474.8	482.1	487.6	488.5
27.5°	911.3	907.6	852.8	645.6	573.4	565.2	510.4	468.4	547.9	568.9	569.8
30°	968.8	959.7	910.4	756.1	595.4	559.7	481.2	541.5	526.9	529.6	530.5
32.5°	1332.2	1317.6	1177.9	765.2	621.8	516.8	522.3	504.0	505.9	562.5	564.3
35°	1423.5	1403.5	1207.1	884.8	592.6	524.1	483.0	505.9	515.0	512.3	512.3
37.5°	1545.9	1507.6	1198.0	831.8	616.4	490.3	462.0	477.6	472.1	506.8	505.0
40°	1679.2	1625.3	1202.6	771.6	558.8	460.2	442.9	456.6	452.9	442.9	435.6
42.5°	1849.1	1755.9	1201.7	721.4	505.9	450.2	418.2	417.3	401.8	385.3	379.9
45°	2022.5	1893.8	1205.3	663.8	465.7	441.9	404.5	382.6	368.9	351.5	347.0
47.5°	2212.5	2040.8	1216.3	618.2	434.6	417.3	387.2	360.7	350.6	328.7	326.9
50°	2437.1	2195.1	1219.9	581.7	398.1	395.4	374.4	345.2	329.6	307.7	305.9
52.5°	2679.1	2358.6	1226.3	527.8	369.8	387.2	381.7	341.5	335.1	306.8	305.0
55°	2908.3	2513.8	1224.5	462.9	357.0	379.9	381.7	365.2	355.2	308.6	305.0
57.5°	3184.0	2681.8	1197.1	402.7	336.9	368.9	399.9	386.2	375.3	336.9	329.6
60°	3430.6	2855.3	1115.8	356.1	319.6	357.0	415.5	401.8	370.7	346.1	338.8
62.5°	3719.1	3005.1	1002.6	322.3	313.2	360.7	420.9	411.8	373.5	365.2	362.5
65°	3914.5	3061.7	830.9	294.9	312.3	360.7	419.1	420.9	393.6	401.8	400.9
67.5°	3938.3	2988.6	630.0	273.9	301.3	360.7	416.4	439.2	411.8	445.6	447.4
70°	3824.1	2806.0	459.3	252.9	289.5	356.1	417.3	451.1	425.5	478.5	474.8
72°	3561.1	2529.3	371.6	239.2	279.4	348.8	423.7	457.5	437.4	486.7	478.5
72.5°	3492.7	2444.4	355.2	237.4	277.6	347.9	425.5	459.3	438.3	494.9	484.9
75°	2922.9	1946.8	305.0	223.7	280.3	343.3	434.6	458.4	443.8	500.4	502.2
77.5°	2214.3	1312.1	270.3	211.8	279.4	335.1	431.9	451.1	435.6	481.2	491.3
80°	1370.6	763.4	240.1	210.9	277.6	331.5	420.0	431.9	412.7	449.3	452.0
82.5°	749.7	446.5	208.2	207.3	269.4	321.4	397.2	410.0	391.7	431.9	403.6
85°	383.5	303.2	156.1	169.8	235.6	302.2	370.7	369.8	351.5	366.2	346.1
87.5°	295.8	238.3	101.4	122.4	192.7	249.3	305.0	302.2	278.5	280.3	272.1
90°	272.1	212.8	66.7	86.7	160.7	179.0	211.8	203.6	187.2	190.8	188.1
92.5°	273.9	210.0	63.9	92.2	154.3	160.7	194.5	184.4	168.0	169.8	164.4
95°	267.5	201.8	63.9	81.3	127.8	114.1	139.7	136.1	122.4	116.0	113.2
97.5°	127.8	100.4	59.4	60.3	72.1	62.1	84.9	91.3	73.0	58.4	58.4
100°	21.9	33.8	52.0	61.2	52.0	39.3	53.9	62.1	42.0	19.2	21.0
102.5°	21.9	21.0	40.2	52.0	37.4	21.0	31.0	41.1	26.5	14.6	15.5
105°	23.7	21.9	19.2	35.6	21.9	11.0	11.9	21.0	14.6	14.6	14.6
107.5°	25.6	23.7	13.7	13.7	11.0	10.0	9.1	8.2	10.0	14.6	15.5



REPORT NUMBER: P413755

CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	19.2	19.2	12.8	11.0	10.0	10.0	7.3	7.3	10.0	15.5	15.5
112.5°	13.7	13.7	11.0	9.1	8.2	10.0	7.3	7.3	9.1	15.5	16.4
115°	13.7	13.7	10.0	8.2	7.3	8.2	7.3	6.4	9.1	15.5	16.4
117.5°	13.7	13.7	10.0	7.3	6.4	6.4	5.5	6.4	9.1	15.5	16.4
120°	13.7	13.7	10.0	7.3	6.4	5.5	5.5	5.5	9.1	15.5	16.4
122.5°	12.8	12.8	9.1	6.4	5.5	4.6	4.6	5.5	8.2	14.6	15.5
125°	11.9	11.9	8.2	6.4	5.5	4.6	4.6	4.6	8.2	13.7	14.6
127.5°	11.0	11.0	8.2	5.5	4.6	4.6	4.6	4.6	7.3	12.8	13.7
130°	9.1	9.1	7.3	5.5	4.6	3.7	4.6	4.6	7.3	11.9	11.9
132.5°	7.3	7.3	5.5	4.6	4.6	3.7	3.7	4.6	6.4	10.0	11.0
135°	5.5	5.5	5.5	4.6	4.6	3.7	3.7	3.7	5.5	8.2	9.1
137.5°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	3.7	5.5	7.3	7.3
140°	4.6	4.6	4.6	4.6	4.6	3.7	3.7	3.7	5.5	6.4	7.3
142.5°	4.6	5.5	4.6	4.6	4.6	3.7	3.7	4.6	5.5	7.3	7.3
145°	5.5	5.5	5.5	4.6	4.6	2.7	2.7	4.6	5.5	7.3	7.3
147.5°	5.5	5.5	5.5	4.6	3.7	2.7	2.7	3.7	5.5	7.3	7.3
150°	5.5	5.5	5.5	4.6	3.7	1.8	1.8	3.7	4.6	6.4	7.3
152.5°	5.5	5.5	4.6	4.6	2.7	1.8	0.9	2.7	3.7	5.5	5.5
155°	4.6	4.6	4.6	3.7	2.7	0.9	0.0	0.9	2.7	4.6	4.6
157.5°	3.7	3.7	3.7	2.7	1.8	0.9	0.0	0.9	0.9	2.7	2.7
160°	2.7	2.7	2.7	2.7	1.8	0.9	0.0	0.0	0.9	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)