

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: P416233

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6774 lumens
Efficiency: N/A
Efficacy: 91.5 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: B1 - U3 - G2

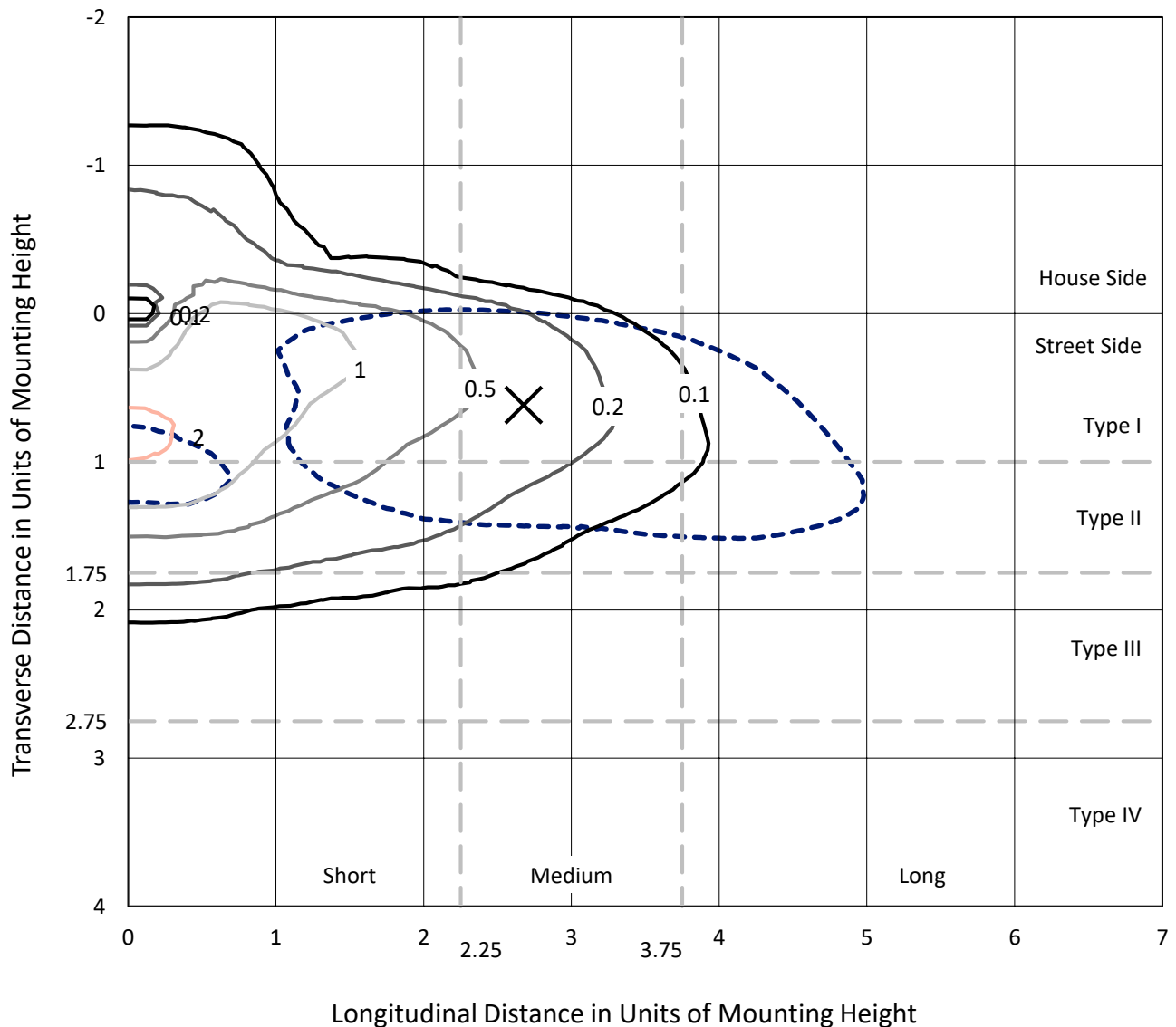
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

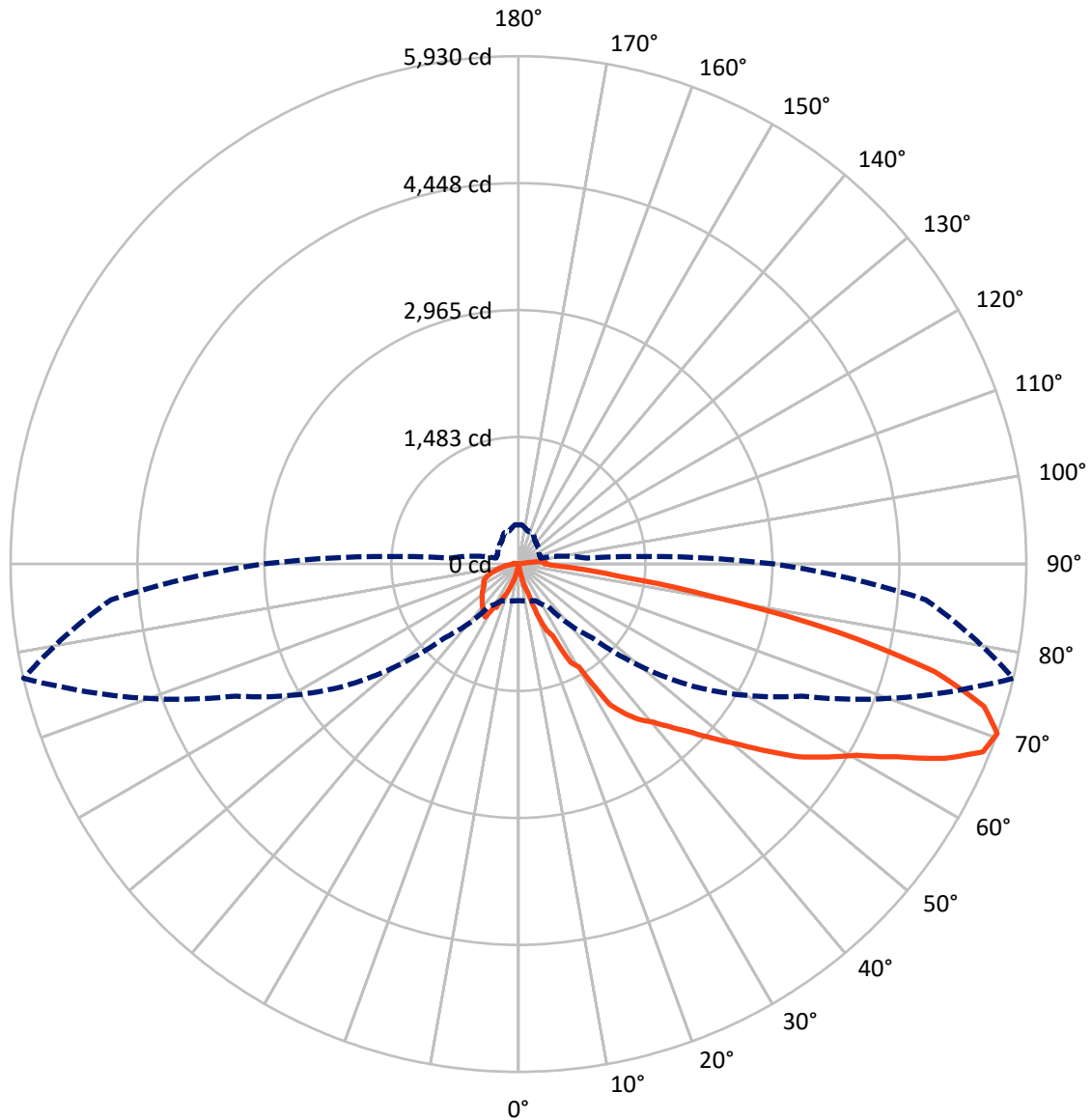
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1145.7	50.3	1196.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5515.4	62.6	5578.0
	% Fixture	81.4	0.9	82.3
Total	Lumens	6661.2	112.8	6774.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	0.1
10°-20°	80.6	1.2
20°-30°	319.2	4.7
30°-40°	771.0	11.4
40°-50°	1247.0	18.4
50°-60°	1491.4	22.0
60°-70°	1458.5	21.5
70°-80°	1008.2	14.9
80°-90°	279.8	4.1
90°-100°	73.6	1.1
100°-110°	15.1	0.2
110°-120°	8.0	0.1
120°-130°	6.4	0.1
130°-140°	4.4	0.1
140°-150°	3.6	0.1
150°-160°	1.6	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6661.2	98.3
0°-180°	6774.0	100.0



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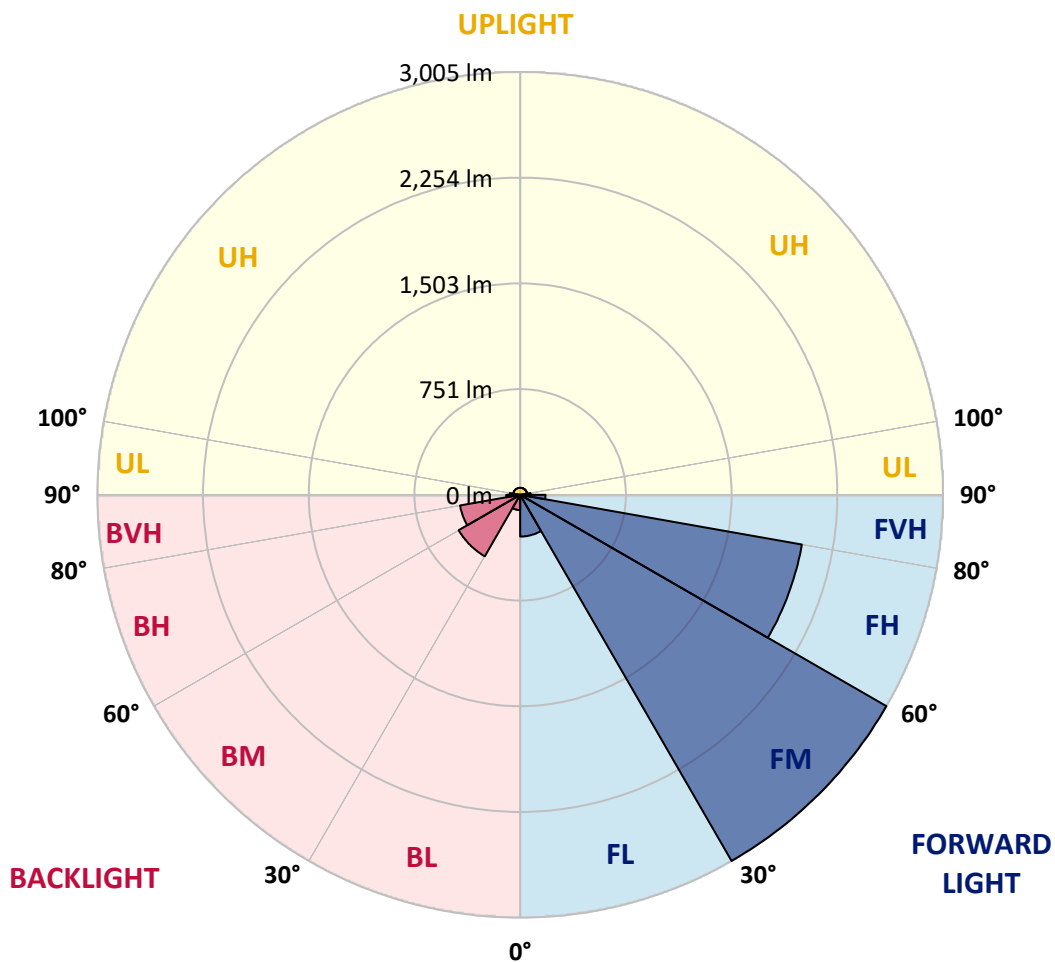
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.8	4.4			
FM (30°-60°)	3005.4	44.4			
FH (60°-80°)	2033.0	30.0			G2/5000
FVH (80°-90°)	180.3	2.7			G2/225
BL (0°-30°)	108.5	1.6	B0/110		
BM (30°-60°)	504.0	7.4	B1/1000		
BH (60°-80°)	433.7	6.4	B1/500		G1/500
BVH (80°-90°)	99.5	1.5			G1/100
UL (90°-100°)	73.6	1.1		U3/500	
UH (100°-180°)	50.3	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	8.4	7.7	7.7	8.4	9.9	9.2	6.9	5.4	4.6	4.6	4.6
5°	166.0	160.7	156.8	110.9	24.5	14.5	9.2	6.9	5.4	5.4	4.6
7.5°	198.2	195.1	193.6	188.2	182.1	169.8	30.6	9.9	6.1	6.1	5.4
10°	224.2	221.9	218.8	215.7	207.3	198.9	182.1	25.2	9.9	9.9	8.4
12.5°	456.7	449.9	443.7	315.2	234.1	224.9	208.9	143.1	108.6	104.8	126.2
15°	469.0	469.0	469.0	472.8	465.9	250.9	342.0	428.4	283.1	273.9	283.1
17.5°	499.6	495.0	487.3	489.6	498.8	553.9	510.3	476.6	377.2	335.1	325.9
20°	747.5	743.6	745.9	691.6	531.7	697.7	693.1	537.1	612.8	621.2	605.2
22.5°	798.0	797.2	794.9	791.8	908.9	740.6	797.2	844.6	856.1	839.3	696.2
25°	1132.3	1123.9	1022.1	861.5	973.9	891.3	1063.4	936.4	953.3	923.4	882.1
27.5°	1293.7	1276.1	1258.5	1210.3	1045.8	1191.2	1131.5	1234.8	1384.0	1304.4	1122.3
30°	1706.9	1716.8	1432.2	1416.1	1293.7	1263.1	1385.5	1451.3	1452.9	1394.7	1260.1
32.5°	2101.6	2074.8	2008.3	1722.2	1540.8	1414.6	1606.6	1545.4	1901.2	1956.3	1708.4
35°	2488.7	2436.7	2241.6	2047.3	1797.9	1743.6	1721.4	1934.8	2069.5	2148.3	1848.4
37.5°	3040.4	3002.9	2816.2	2308.2	2072.5	1876.7	2018.2	2059.5	2273.8	2307.4	2039.7
40°	3243.1	3217.8	3062.5	2663.9	2287.5	2094.7	2151.4	2209.5	2476.5	2429.8	2183.5
42.5°	3388.5	3379.3	3255.3	2849.9	2567.5	2311.2	2305.1	2335.0	2684.6	2598.9	2327.3
45°	3500.2	3487.1	3413.7	2969.2	2699.9	2445.1	2471.1	2489.5	2867.4	2792.5	2491.8
47.5°	3478.7	3484.1	3494.0	3117.6	2778.7	2576.0	2641.0	2622.6	3016.6	3034.2	2676.2
50°	3314.2	3325.0	3398.4	3177.3	2823.8	2683.1	2787.9	2771.0	3224.7	3298.2	2888.9
52.5°	2825.4	2843.0	3115.3	3084.7	2863.6	2767.2	2938.6	2942.4	3468.0	3624.1	3160.5
55°	2068.7	2135.3	2466.6	2777.9	2820.0	2794.0	3039.6	3159.7	3748.0	3973.0	3403.0
57.5°	1664.0	1650.2	1879.0	2332.7	2604.3	2761.1	3145.9	3353.3	4003.6	4253.0	3645.5
60°	1291.4	1296.0	1465.1	1790.2	2226.3	2680.0	3254.6	3527.7	4318.0	4534.5	3942.4
62.5°	961.7	970.9	1093.3	1287.6	1794.8	2453.5	3288.2	3745.7	4754.9	4959.9	4301.2
65°	698.5	713.8	780.4	899.7	1296.8	2113.9	3185.7	3908.7	5239.1	5472.5	4684.5
67.5°	524.8	533.2	572.3	644.9	926.5	1677.8	2932.5	3898.7	5482.4	5849.7	4849.0
70°	426.9	430.7	445.3	471.3	608.2	1216.4	2488.0	3647.8	5534.4	5930.0	4772.4
72.5°	362.6	361.1	361.9	365.7	420.0	831.6	1921.8	3178.1	5335.5	5685.9	4427.4
75°	309.8	307.6	307.6	303.7	324.4	583.7	1323.6	2565.2	4806.9	5024.2	3729.7
77.5°	263.9	260.1	259.4	251.7	260.9	434.6	876.8	1910.4	3803.1	3806.9	2644.0
80°	224.9	218.0	215.0	209.6	220.3	331.3	572.3	1246.3	2326.5	2289.1	1467.4
82.5°	166.0	166.0	170.6	172.1	189.7	245.6	404.0	741.3	1270.0	1201.9	850.7
85°	95.6	104.0	123.2	125.5	145.4	163.0	303.7	439.1	710.7	685.5	436.1
87.5°	35.2	33.7	51.3	54.3	61.2	61.2	165.3	241.0	372.6	387.9	343.5
90°	29.1	29.1	19.9	18.4	23.7	39.8	111.7	169.1	280.0	300.7	324.4
92.5°	30.6	30.6	19.9	17.6	22.2	35.2	94.1	159.9	293.8	322.1	335.1
95°	29.1	29.8	17.6	16.1	20.7	29.8	70.4	136.9	282.3	309.1	327.4
97.5°	25.2	26.0	14.5	13.8	18.4	21.4	38.3	68.1	140.8	146.1	151.5
100°	20.7	20.7	10.7	11.5	14.5	14.5	19.9	36.0	34.4	28.3	24.5
102.5°	17.6	19.1	9.9	9.2	10.7	9.2	9.2	13.8	20.7	17.6	23.7
105°	14.5	16.1	8.4	7.7	8.4	7.7	6.1	9.9	15.3	17.6	25.2
107.5°	9.9	10.7	6.1	6.9	6.9	6.9	4.6	7.7	14.5	16.8	26.0
110°	6.9	6.9	4.6	6.1	6.1	6.9	4.6	7.7	11.5	13.0	20.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.6	4.6	3.8	4.6	5.4	5.4	4.6	6.9	9.9	10.7	14.5
115°	3.8	3.8	3.1	3.8	4.6	4.6	3.8	6.1	9.9	11.5	15.3
117.5°	4.6	3.8	3.1	3.8	4.6	3.8	3.8	5.4	9.9	11.5	15.3
120°	4.6	4.6	3.8	3.8	3.8	3.8	3.8	5.4	9.9	11.5	15.3
122.5°	5.4	4.6	3.8	3.8	3.8	3.8	3.8	4.6	9.2	10.7	14.5
125°	5.4	5.4	3.8	3.8	4.6	3.8	3.8	4.6	9.2	9.9	13.8
127.5°	6.1	5.4	4.6	3.8	4.6	3.8	3.8	4.6	8.4	9.2	12.2
130°	6.1	6.1	4.6	3.8	4.6	3.8	3.8	3.8	6.9	7.7	10.7
132.5°	6.1	6.1	5.4	4.6	5.4	4.6	3.8	3.8	5.4	6.1	8.4
135°	6.9	6.1	6.1	5.4	6.1	5.4	3.8	3.8	3.8	4.6	6.1
137.5°	6.9	6.9	6.9	6.1	6.9	5.4	3.8	3.8	3.8	3.8	4.6
140°	8.4	8.4	7.7	6.9	7.7	6.1	4.6	3.8	3.8	3.8	4.6
142.5°	9.9	9.9	9.2	8.4	7.7	6.1	5.4	4.6	4.6	4.6	4.6
145°	11.5	10.7	10.7	9.2	7.7	6.1	5.4	5.4	5.4	5.4	5.4
147.5°	11.5	11.5	10.7	8.4	6.9	4.6	4.6	6.1	6.1	6.1	6.1
150°	10.7	10.7	9.2	7.7	5.4	3.8	3.8	5.4	6.1	6.1	6.1
152.5°	8.4	7.7	6.9	4.6	3.8	2.3	3.1	3.8	4.6	4.6	5.4
155°	5.4	4.6	3.8	3.1	3.1	2.3	2.3	3.1	3.1	3.1	3.8
157.5°	2.3	2.3	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3
160°	0.8	0.8	0.8	0.8	2.3	2.3	2.3	1.5	1.5	1.5	1.5
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
2.5°	4.6	4.6	4.6	4.6	4.6	3.8	4.6	5.4	6.1	6.1	6.1
5°	4.6	4.6	4.6	5.4	5.4	4.6	5.4	6.9	7.7	7.7	7.7
7.5°	5.4	4.6	5.4	6.1	6.1	6.1	26.8	77.3	85.7	87.2	88.7
10°	7.7	7.7	7.7	8.4	9.2	80.3	94.9	99.5	102.5	104.8	105.6
12.5°	116.3	101.8	63.5	16.8	81.1	99.5	104.8	112.5	116.3	120.9	119.3
15°	260.9	231.0	173.7	148.4	145.4	110.9	116.3	193.6	215.0	218.8	218.0
17.5°	295.3	254.0	193.6	206.6	215.0	166.8	195.9	216.5	220.3	224.2	223.4
20°	549.3	437.6	262.4	227.2	224.9	281.5	208.9	215.7	223.4	263.2	267.8
22.5°	609.8	503.4	343.5	332.8	271.6	286.1	272.4	276.2	299.9	299.9	298.4
25°	763.5	609.0	387.9	339.7	345.0	284.6	319.8	276.2	280.8	280.8	281.5
27.5°	993.0	782.7	514.9	378.7	341.2	344.3	303.7	280.0	320.6	325.2	327.4
30°	1062.7	812.5	509.5	423.1	356.5	334.3	283.8	313.7	302.2	302.2	299.9
32.5°	1485.0	1108.6	634.2	413.9	365.7	310.6	314.4	295.3	290.0	313.7	313.7
35°	1568.4	1141.5	612.0	465.9	351.2	323.6	299.1	303.7	293.8	292.3	290.0
37.5°	1664.0	1164.4	562.3	437.6	371.1	310.6	309.1	297.6	284.6	303.0	306.0
40°	1755.0	1186.6	522.5	404.0	342.7	309.1	303.0	296.8	269.3	269.3	268.5
42.5°	1857.6	1201.1	486.6	377.2	315.2	309.8	293.0	273.9	255.5	260.9	259.4
45°	1963.9	1210.3	449.9	347.3	290.7	320.6	293.8	285.4	270.8	273.1	270.8
47.5°	2094.7	1225.6	417.7	318.3	275.4	293.8	277.7	273.9	282.3	274.7	279.2
50°	2234.0	1234.0	387.9	293.0	260.1	285.4	287.7	276.2	282.3	269.3	268.5
52.5°	2400.8	1241.7	355.8	276.2	257.8	283.8	301.4	289.2	278.5	261.7	260.1
55°	2547.7	1217.2	328.2	265.5	273.1	280.8	312.9	298.4	276.2	257.1	257.8
57.5°	2707.5	1185.8	306.0	260.9	270.1	275.4	329.0	311.4	286.1	286.9	287.7
60°	2872.8	1156.0	292.3	260.1	266.2	277.7	331.3	329.0	299.1	306.0	311.4
62.5°	3070.2	1132.3	290.0	265.5	280.0	290.0	333.6	357.3	331.3	334.3	335.9
65°	3224.7	1063.4	287.7	268.5	285.4	292.3	334.3	377.2	365.7	383.3	381.8
67.5°	3177.3	936.4	283.8	271.6	289.2	304.5	333.6	391.7	390.2	430.7	426.9
70°	2983.7	795.7	271.6	267.8	290.7	310.6	334.3	395.5	402.4	459.8	456.0
72.5°	2657.8	641.9	249.4	257.1	291.5	318.3	344.3	396.3	404.0	485.0	473.6
75°	2224.0	518.7	216.5	232.6	300.7	322.9	346.6	388.7	388.7	465.2	450.6
77.5°	1600.5	399.4	186.7	211.2	297.6	319.8	339.7	371.1	365.7	402.4	388.7
80°	932.6	294.5	159.1	207.3	279.2	313.7	320.6	327.4	302.2	310.6	302.2
82.5°	560.0	218.0	137.7	185.9	245.6	282.3	287.7	276.2	242.5	241.8	230.3
85°	335.9	149.2	101.0	143.8	193.6	235.6	241.8	209.6	178.3	196.6	176.0
87.5°	247.9	94.1	69.6	89.5	117.8	110.2	143.8	135.4	115.5	110.9	109.4
90°	223.4	71.9	57.4	72.7	79.6	68.1	73.4	73.4	59.7	58.9	55.8
92.5°	221.1	67.3	61.2	71.2	64.3	54.3	59.7	58.9	47.4	45.1	42.8
95°	206.6	60.4	61.2	64.3	56.6	44.4	48.2	45.1	33.7	31.4	29.1
97.5°	97.2	42.1	58.1	55.8	46.7	34.4	39.8	34.4	23.7	20.7	20.7
100°	23.0	36.0	49.7	50.5	37.5	26.0	27.5	22.2	15.3	13.0	13.0
102.5°	23.0	16.1	30.6	39.8	23.0	10.7	15.3	14.5	11.5	11.5	12.2
105°	23.0	15.3	15.3	26.0	13.8	6.9	6.9	9.2	9.9	13.0	14.5
107.5°	23.7	16.1	12.2	12.2	9.9	6.9	6.1	6.9	9.9	15.3	16.1
110°	19.9	14.5	11.5	10.7	9.9	6.9	5.4	6.9	9.9	16.8	18.4



REPORT NUMBER: P416233

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.5	13.0	9.9	9.9	8.4	6.9	5.4	6.1	10.7	18.4	19.9
115°	14.5	12.2	9.2	8.4	6.9	6.1	5.4	6.1	11.5	19.9	21.4
117.5°	15.3	12.2	8.4	7.7	6.1	4.6	4.6	6.1	11.5	20.7	22.2
120°	15.3	12.2	8.4	7.7	6.1	4.6	4.6	6.9	12.2	19.9	21.4
122.5°	14.5	12.2	8.4	7.7	6.1	3.8	4.6	6.1	11.5	19.1	20.7
125°	13.0	11.5	8.4	6.9	6.1	3.8	4.6	6.1	11.5	18.4	19.1
127.5°	12.2	10.7	7.7	6.9	5.4	3.8	4.6	6.1	10.7	16.8	17.6
130°	10.7	9.9	6.9	6.1	5.4	3.8	4.6	6.1	10.7	15.3	16.1
132.5°	8.4	7.7	6.1	5.4	5.4	3.8	4.6	5.4	8.4	13.0	13.8
135°	6.1	6.1	5.4	5.4	5.4	3.8	4.6	4.6	6.9	9.9	10.7
137.5°	4.6	4.6	4.6	5.4	4.6	3.8	3.8	4.6	6.1	7.7	8.4
140°	4.6	4.6	4.6	5.4	4.6	3.8	3.8	4.6	5.4	6.1	6.9
142.5°	4.6	4.6	4.6	5.4	4.6	3.1	3.8	4.6	5.4	6.1	6.1
145°	5.4	5.4	5.4	5.4	4.6	3.1	3.1	4.6	5.4	6.1	6.1
147.5°	6.1	6.1	5.4	5.4	4.6	2.3	2.3	4.6	5.4	6.1	6.1
150°	6.1	6.1	5.4	5.4	3.8	2.3	2.3	3.8	5.4	5.4	5.4
152.5°	4.6	4.6	4.6	4.6	3.8	1.5	1.5	3.1	4.6	4.6	4.6
155°	3.8	3.8	3.8	3.8	3.1	1.5	0.8	2.3	3.8	3.8	3.8
157.5°	2.3	3.1	3.1	3.8	3.1	1.5	0.8	1.5	3.1	3.1	3.1
160°	1.5	2.3	2.3	3.1	3.1	1.5	0.8	1.5	2.3	2.3	2.3
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)