

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: P416242

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416242
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-PA1-70-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 6908 lumens
Efficiency: N/A
Efficacy: 93.4 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: B2 - U3 - G2

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

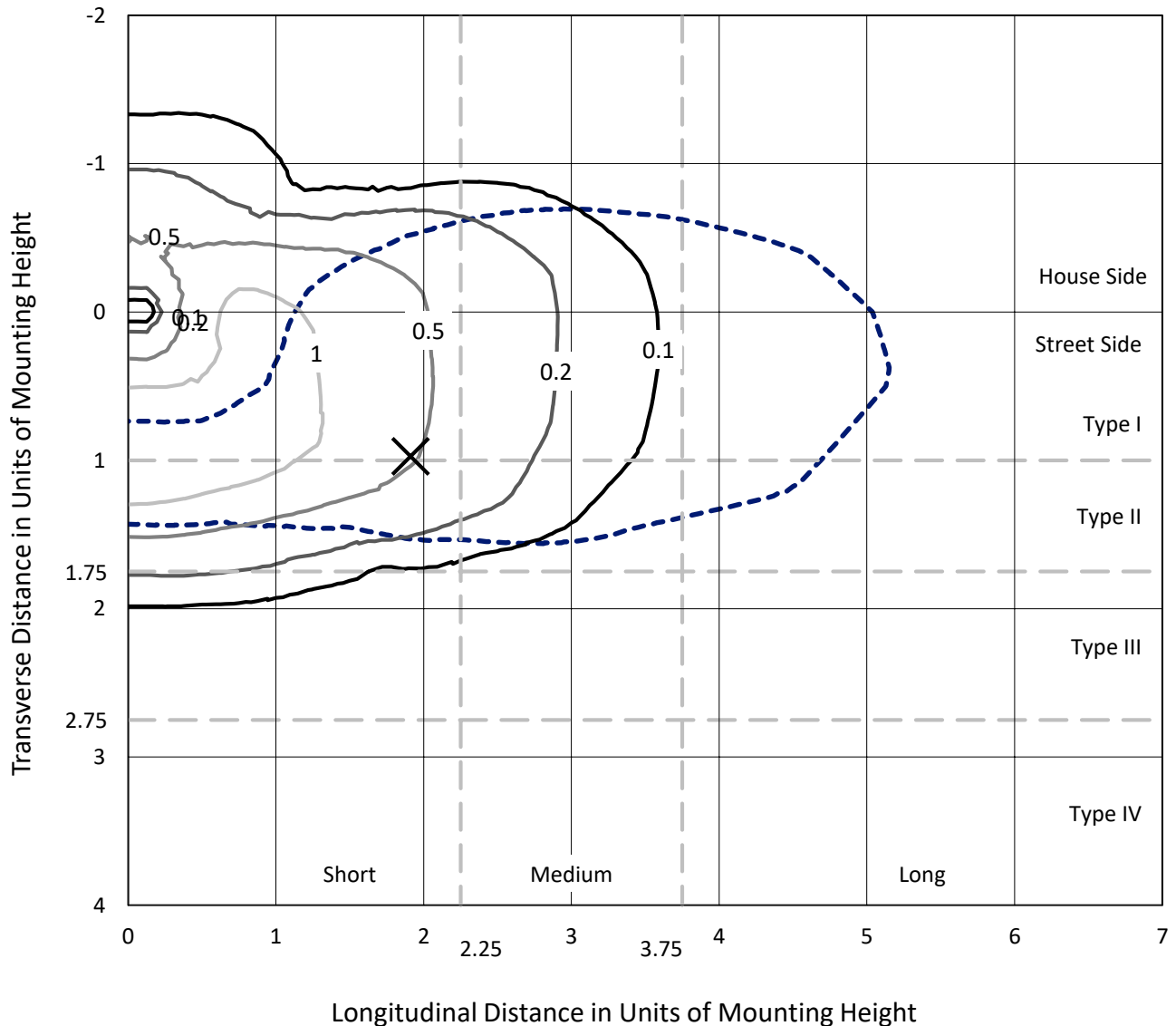


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

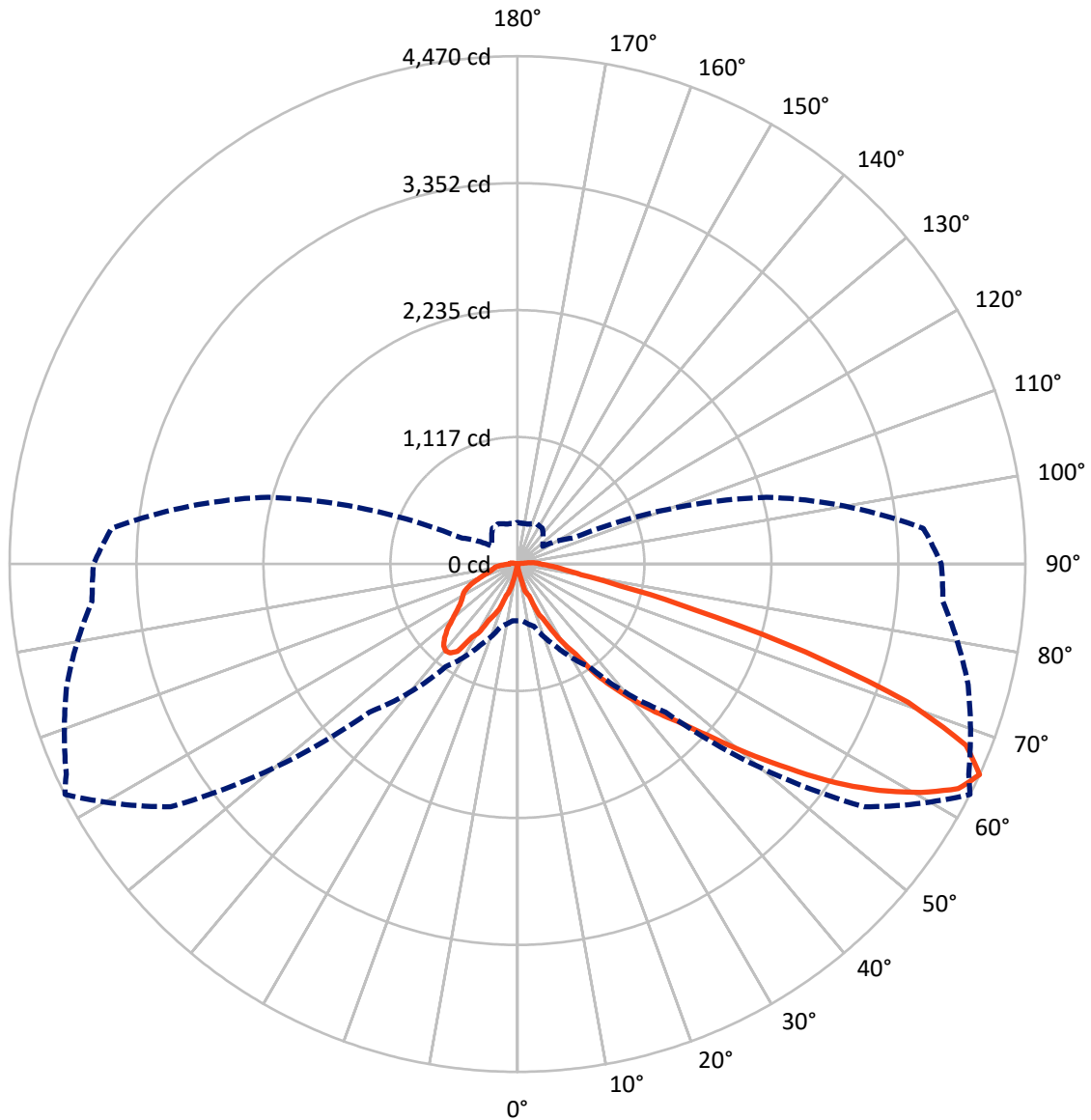


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1965.9	57.1	2023.0
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	4831.8	53.2	4885.0
	% Fixture	69.9	0.8	70.7
Total	Lumens	6797.8	110.2	6908.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	62.1	0.9
20°-30°	253.8	3.7
30°-40°	659.4	9.5
40°-50°	1253.9	18.2
50°-60°	1688.0	24.4
60°-70°	1599.1	23.1
70°-80°	1002.1	14.5
80°-90°	275.1	4.0
90°-100°	77.0	1.1
100°-110°	14.3	0.2
110°-120°	6.9	0.1
120°-130°	5.0	0.1
130°-140°	3.3	0.0
140°-150°	2.7	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6797.8	98.4
0°-180°	6908.0	100.0



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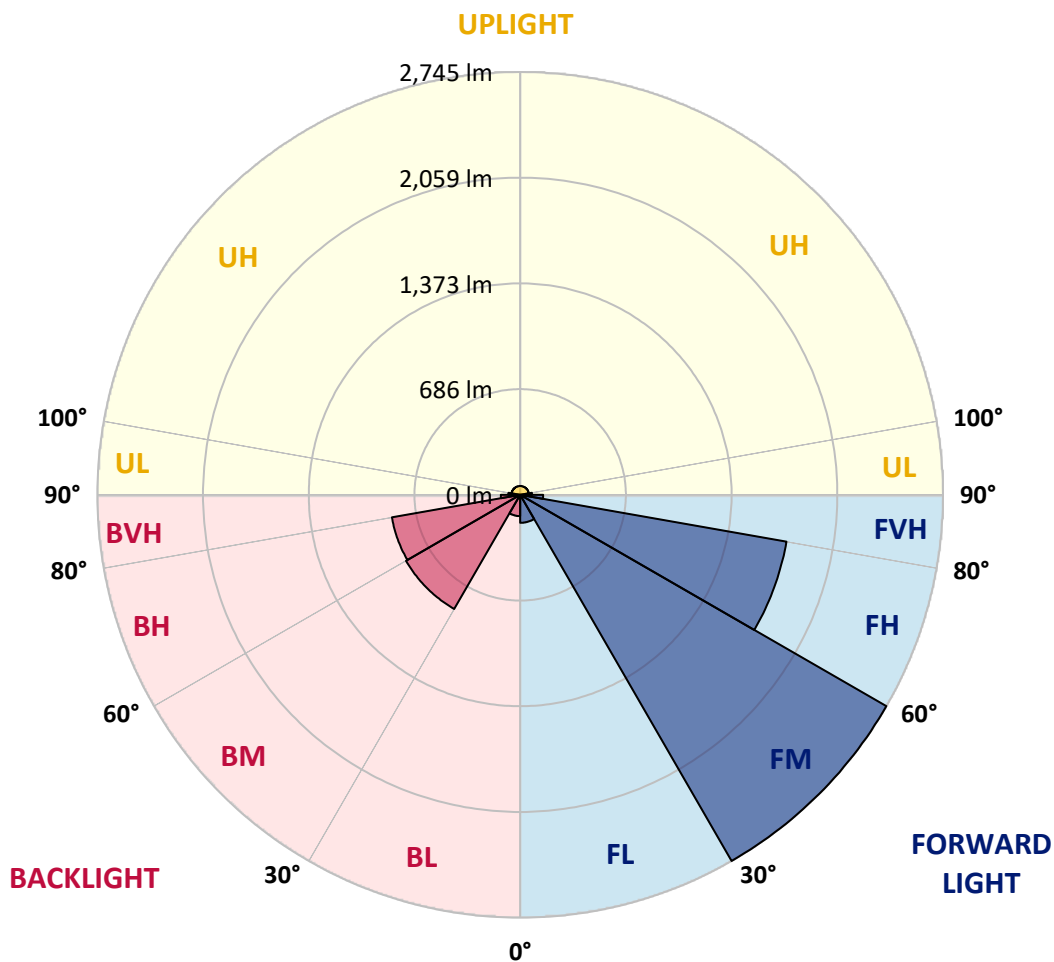
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.8	2.6			
FM	(30°-60°)	2745.3	39.7			
FH	(60°-80°)	1755.5	25.4			G1/1800
FVH	(80°-90°)	149.2	2.2			G2/225
BL	(0°-30°)	138.4	2.0	B1/500		
BM	(30°-60°)	855.9	12.4	B1/1000		
BH	(60°-80°)	845.7	12.2	B2/1000		G2/1000
BVH	(80°-90°)	125.9	1.8			G2/225
UL	(90°-100°)	77.0	1.1		U3/500	
UH	(100°-180°)	57.1	0.8		U3/500	

BUG Rating: B2-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	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°	9.2	8.4	9.2	9.2	8.4	7.7	6.9	6.1	5.4	3.8	3.1
5°	107.9	108.6	107.1	104.8	37.5	16.8	9.9	7.7	6.9	4.6	3.8
7.5°	123.9	123.2	122.4	120.9	115.5	108.6	58.9	13.8	10.7	6.1	3.8
10°	136.2	134.7	130.8	130.1	124.7	120.9	111.7	71.9	60.4	10.7	7.7
12.5°	247.9	242.5	237.9	196.6	137.7	130.1	124.7	108.6	106.3	68.1	101.8
15°	259.4	260.1	257.1	252.5	241.8	162.2	202.0	244.8	244.1	211.2	208.1
17.5°	294.6	292.3	280.8	269.3	265.5	288.4	286.1	273.1	273.1	241.8	228.8
20°	455.2	451.4	444.5	370.3	329.8	372.6	349.6	304.5	306.0	373.4	405.5
22.5°	527.1	525.6	511.8	478.9	466.7	410.9	460.6	476.6	467.5	472.8	452.9
25°	721.5	713.8	653.4	595.2	602.1	554.7	553.9	544.0	538.6	514.9	550.9
27.5°	918.1	912.0	898.2	816.3	695.5	668.7	625.8	683.2	667.9	723.0	735.2
30°	1216.5	1160.6	1044.3	989.3	949.5	821.7	809.5	827.1	822.5	807.2	793.4
32.5°	1527.1	1504.2	1436.1	1234.8	1108.6	1035.2	999.2	944.9	919.6	1084.1	1095.6
35°	1851.5	1830.1	1663.3	1546.2	1329.7	1210.4	1190.5	1198.1	1164.5	1244.8	1225.7
37.5°	2422.3	2411.6	2244.0	1880.6	1654.1	1420.8	1393.2	1384.0	1331.3	1389.4	1390.2
40°	2788.7	2771.1	2586.0	2318.2	1953.3	1758.9	1625.0	1572.3	1558.5	1561.5	1562.3
42.5°	3061.1	3032.8	2924.9	2678.6	2297.6	2069.6	1880.6	1778.8	1806.4	1752.8	1749.8
45°	3237.8	3222.5	3124.6	2918.8	2654.8	2541.6	2207.3	1977.7	2070.3	1974.7	1970.1
47.5°	3277.6	3270.7	3202.7	3099.4	2989.2	2941.8	2601.3	2250.1	2335.0	2293.0	2207.3
50°	3104.7	3110.8	3085.6	3123.1	3243.2	3297.5	3016.7	2611.2	2657.9	2557.7	2448.3
52.5°	2726.8	2726.0	2817.8	2983.8	3336.5	3553.8	3401.6	2986.9	2984.6	2803.3	2679.3
55°	2188.9	2230.2	2385.5	2643.4	3208.8	3671.6	3766.5	3400.0	3335.8	3090.2	2885.1
57.5°	1667.9	1721.4	1912.0	2146.1	2845.4	3588.3	4032.0	3758.9	3692.3	3348.8	3103.2
60°	1128.5	1149.2	1389.4	1660.2	2263.1	3267.7	4156.7	4082.5	4009.1	3612.7	3323.5
62.5°	752.1	770.4	908.2	1237.9	1622.7	2655.6	4076.4	4355.6	4258.5	3924.9	3553.8
65°	500.4	500.4	568.5	796.5	1104.0	1843.9	3724.4	4469.6	4381.6	4105.5	3758.1
67.5°	368.8	374.9	397.1	513.4	752.1	1103.3	2962.4	4259.2	4268.4	4126.1	3823.1
70°	334.3	338.2	357.3	387.1	537.1	656.4	1957.9	3648.7	3807.1	3970.0	3739.7
72.5°	292.3	293.8	324.4	356.5	423.1	503.4	1138.4	2651.8	2984.6	3630.3	3510.2
75°	244.8	247.1	271.6	319.8	365.7	422.3	605.9	1614.3	1945.6	3117.0	3206.5
77.5°	198.9	204.3	224.2	261.7	335.9	354.2	465.2	922.7	1127.0	2321.3	2710.7
80°	153.0	158.4	176.0	205.8	274.7	312.9	386.4	567.7	683.2	1443.0	1894.4
82.5°	104.8	108.6	126.2	148.4	196.6	260.9	319.8	418.5	452.2	789.6	1045.1
85°	74.2	76.5	88.0	97.9	122.4	171.4	267.0	332.0	341.2	418.5	425.4
87.5°	42.1	41.3	42.8	49.7	55.9	66.6	157.6	243.3	254.8	291.5	270.8
90°	29.1	28.3	23.7	23.0	26.0	28.3	89.5	193.6	203.5	234.9	241.0
92.5°	30.6	29.1	23.0	21.4	24.5	26.0	59.7	169.1	190.5	234.9	247.9
95°	29.1	27.5	20.7	18.4	22.2	23.0	36.7	116.3	150.0	219.6	242.5
97.5°	25.2	23.7	16.8	15.3	18.4	18.4	20.7	53.6	73.4	102.5	115.5
100°	20.7	19.1	13.8	12.2	13.0	13.8	13.0	26.8	26.8	28.3	22.2
102.5°	18.4	17.6	11.5	9.9	9.2	9.2	8.4	13.0	13.8	15.3	19.1
105°	16.1	15.3	9.9	8.4	6.9	6.9	6.1	8.4	9.2	13.0	18.4
107.5°	11.5	11.5	8.4	6.9	6.1	6.1	4.6	6.9	7.7	11.5	19.1
110°	7.7	7.7	6.1	6.1	5.4	6.1	4.6	6.9	6.9	9.2	14.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	6.1	6.1	5.4	4.6	3.8	4.6	5.4	6.1	6.1	6.9	9.2
115°	6.1	5.4	4.6	3.8	3.1	3.8	3.8	5.4	5.4	6.9	9.2
117.5°	6.1	6.1	4.6	3.8	3.1	3.1	3.8	4.6	4.6	6.9	9.9
120°	6.1	6.1	4.6	3.8	3.1	2.3	3.1	4.6	4.6	6.1	9.2
122.5°	6.1	6.1	4.6	3.8	3.1	2.3	3.1	3.8	3.8	5.4	9.2
125°	6.9	6.9	5.4	3.8	3.1	2.3	3.1	3.1	3.1	5.4	8.4
127.5°	6.9	6.9	5.4	3.8	3.1	2.3	3.1	3.1	3.1	4.6	6.9
130°	6.9	6.9	5.4	3.8	3.1	2.3	3.1	2.3	2.3	3.8	6.1
132.5°	6.9	6.1	5.4	4.6	3.8	3.1	3.1	2.3	2.3	2.3	4.6
135°	6.1	6.1	5.4	4.6	3.8	3.1	3.1	2.3	2.3	2.3	3.1
137.5°	6.1	6.1	6.1	5.4	4.6	3.8	3.1	2.3	2.3	2.3	2.3
140°	6.9	6.9	6.9	6.1	4.6	3.8	3.1	2.3	2.3	2.3	2.3
142.5°	7.7	7.7	7.7	6.9	4.6	3.8	3.8	2.3	2.3	2.3	2.3
145°	8.4	8.4	8.4	6.9	4.6	3.8	3.8	3.1	3.1	2.3	3.1
147.5°	9.2	9.2	8.4	6.9	3.8	3.1	3.1	3.1	3.1	3.1	3.1
150°	8.4	7.7	7.7	5.4	3.1	1.5	2.3	2.3	2.3	3.1	3.1
152.5°	6.1	6.1	5.4	3.8	2.3	0.8	1.5	1.5	2.3	2.3	2.3
155°	3.8	3.8	3.1	2.3	1.5	0.8	0.8	1.5	1.5	1.5	1.5
157.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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



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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°	3.1	3.1	3.8	4.6	4.6	5.4	5.4	5.4	5.4	5.4	5.4
5°	3.1	3.1	3.8	4.6	5.4	6.1	6.9	6.9	6.9	7.7	7.7
7.5°	3.8	3.8	3.8	5.4	6.1	8.4	23.0	68.9	106.3	109.4	110.9
10°	7.7	7.7	7.7	7.7	16.8	97.9	121.6	127.0	130.1	132.4	132.4
12.5°	102.5	101.8	36.7	18.4	84.2	127.0	134.7	138.5	141.5	143.8	144.6
15°	208.1	208.9	208.9	211.2	153.0	138.5	146.1	215.8	255.5	263.2	266.3
17.5°	228.0	228.0	227.2	253.2	284.6	224.9	250.9	273.9	281.6	285.4	286.9
20°	416.2	415.4	335.1	290.7	300.7	373.4	280.8	291.5	297.6	355.0	356.5
22.5°	459.1	456.8	446.8	449.1	354.2	404.0	384.8	373.4	409.3	407.8	409.3
25°	563.9	508.8	487.4	482.8	513.4	420.0	446.0	386.4	395.5	394.0	395.5
27.5°	738.3	718.4	668.7	565.4	547.0	518.7	446.8	405.5	456.0	467.5	469.0
30°	791.9	766.6	713.8	718.4	609.8	527.9	435.3	449.1	431.5	430.0	426.9
32.5°	1085.7	1052.8	973.2	783.4	679.4	495.8	437.6	408.6	417.7	448.3	449.9
35°	1209.6	1172.1	1116.3	1000.0	658.7	486.6	400.1	398.6	404.7	405.5	404.0
37.5°	1350.4	1301.4	1248.6	1053.5	687.8	440.7	373.4	374.1	387.9	414.7	411.6
40°	1514.1	1459.8	1374.1	1084.9	617.4	413.1	355.8	367.2	381.8	375.7	370.3
42.5°	1698.5	1609.7	1475.1	1078.8	537.1	381.0	351.2	358.8	356.5	345.1	342.0
45°	1889.0	1794.9	1573.8	1027.5	464.4	360.4	342.8	345.1	335.9	321.3	318.3
47.5°	2108.6	1984.6	1629.6	952.5	406.3	358.8	340.5	332.8	315.2	302.2	301.4
50°	2329.7	2194.3	1716.9	852.3	362.7	352.7	345.8	329.8	308.3	295.3	293.8
52.5°	2546.2	2427.6	1811.0	768.1	329.8	345.8	348.1	331.3	308.3	289.2	288.4
55°	2763.5	2659.4	1912.7	701.6	307.6	345.1	356.5	335.9	312.9	284.6	283.8
57.5°	2981.5	2880.5	2010.6	657.2	297.6	335.1	361.9	350.4	325.2	301.4	303.0
60°	3240.1	3120.8	2126.2	625.8	293.8	329.8	366.5	367.2	332.8	306.0	309.9
62.5°	3494.1	3373.3	2224.1	596.8	283.8	324.4	368.8	380.2	349.6	326.7	330.5
65°	3730.6	3586.7	2269.2	540.9	271.6	318.3	382.5	391.7	362.7	360.4	364.9
67.5°	3820.8	3687.0	2224.9	471.3	264.0	318.3	397.1	407.8	376.4	388.7	400.9
70°	3733.6	3621.9	2113.2	384.1	266.3	320.6	399.4	415.4	396.3	406.3	417.0
72.5°	3462.8	3320.5	1841.6	309.1	266.3	317.5	389.4	403.2	388.7	421.6	432.3
75°	3120.8	2872.9	1465.9	254.8	258.6	316.0	366.5	382.5	368.0	402.4	413.9
77.5°	2577.6	2260.1	1013.7	224.9	247.9	302.2	342.8	345.8	331.3	351.9	357.3
80°	1817.8	1523.3	641.9	203.5	237.2	273.1	303.7	298.4	283.8	287.7	292.3
82.5°	1013.7	805.6	374.1	187.4	222.6	227.2	248.7	250.2	231.1	231.8	232.6
85°	402.4	372.6	253.2	157.6	179.8	163.7	185.9	193.6	175.2	153.8	149.2
87.5°	267.0	253.2	176.7	107.9	110.2	92.6	120.9	125.5	103.3	89.5	88.8
90°	254.0	246.4	152.3	72.7	61.2	50.5	67.3	65.0	49.7	43.6	44.4
92.5°	261.7	257.1	154.5	69.6	59.7	48.2	59.7	51.3	37.5	32.9	33.7
95°	257.8	255.5	150.7	68.1	56.6	44.4	50.5	41.3	29.1	26.0	26.0
97.5°	122.4	129.3	93.3	61.2	50.5	37.5	39.0	31.4	20.7	19.1	18.4
100°	18.4	29.1	50.5	56.6	37.5	26.0	25.2	20.7	13.0	12.2	12.2
102.5°	19.1	20.7	31.4	39.0	20.7	13.8	13.8	12.2	9.9	11.5	11.5
105°	20.7	19.1	18.4	21.4	12.2	8.4	7.7	7.7	8.4	12.2	13.0
107.5°	22.2	20.7	14.5	11.5	9.2	7.7	6.1	5.4	7.7	13.0	13.8
110°	16.8	16.1	12.2	9.2	9.2	8.4	5.4	5.4	8.4	13.8	15.3



REPORT NUMBER: P416242

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

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