

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: P416250

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
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-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6657 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B2 - U3 - G3

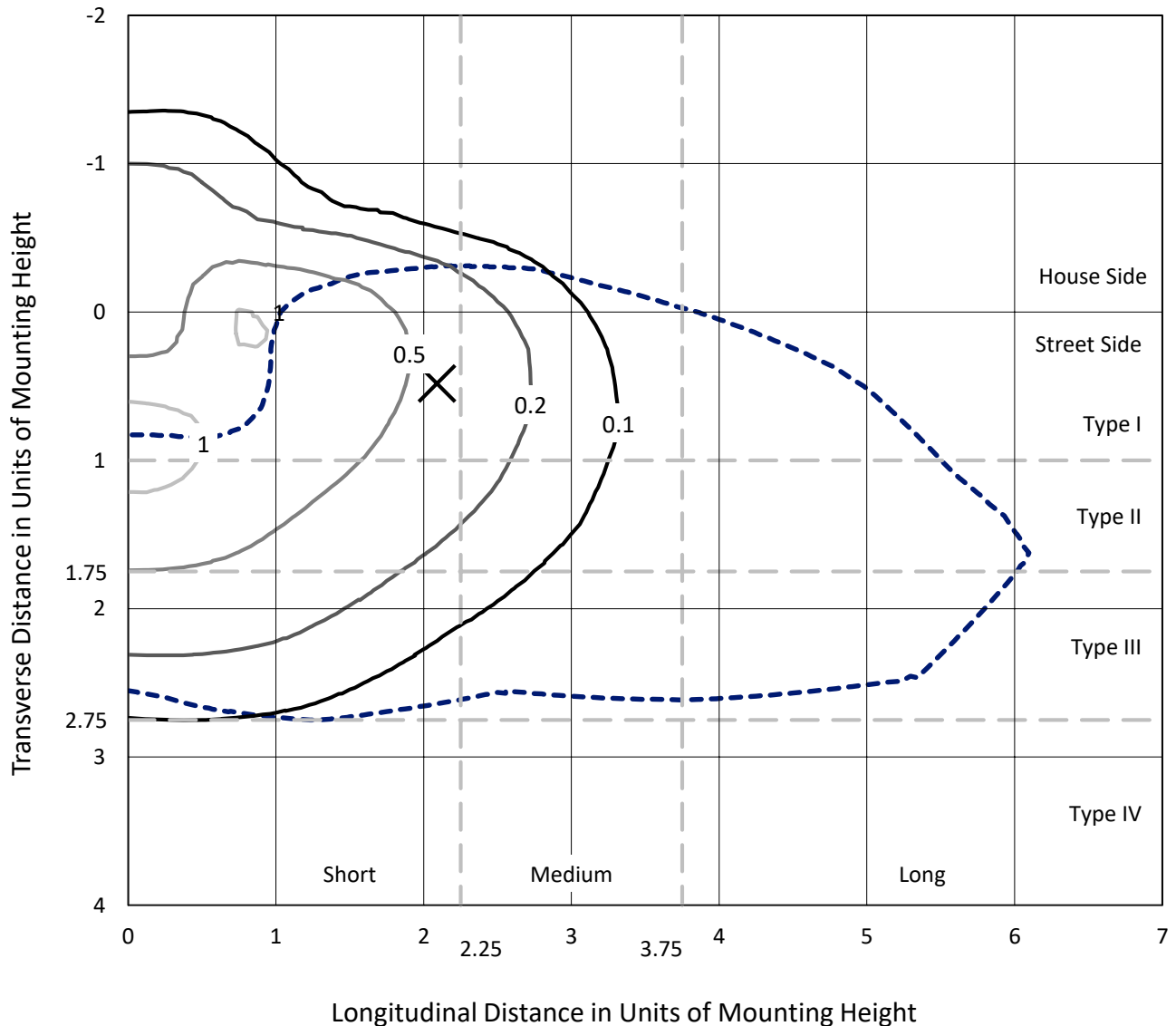
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

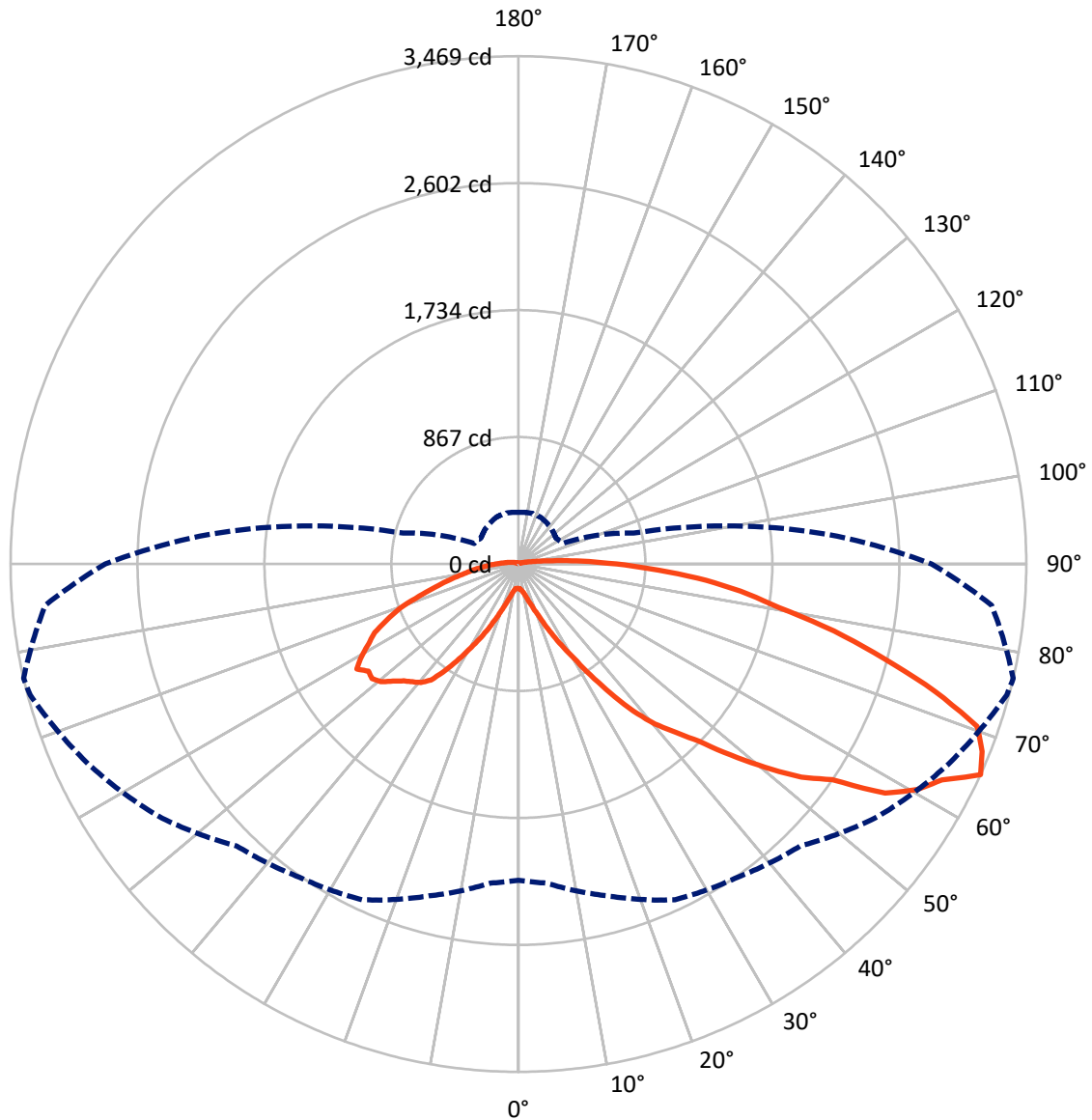
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1466.9	104.3	1571.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	4955.4	130.4	5085.8
	% Fixture	74.4	2.0	76.4
Total	Lumens	6422.3	234.7	6657.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.2	0.3
10°-20°	72.9	1.1
20°-30°	213.7	3.2
30°-40°	511.5	7.7
40°-50°	921.0	13.8
50°-60°	1400.9	21.0
60°-70°	1652.5	24.8
70°-80°	1138.8	17.1
80°-90°	493.8	7.4
90°-100°	144.1	2.2
100°-110°	45.1	0.7
110°-120°	21.1	0.3
120°-130°	12.4	0.2
130°-140°	7.6	0.1
140°-150°	3.3	0.0
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6422.3	96.5
0°-180°	6657.0	100.0



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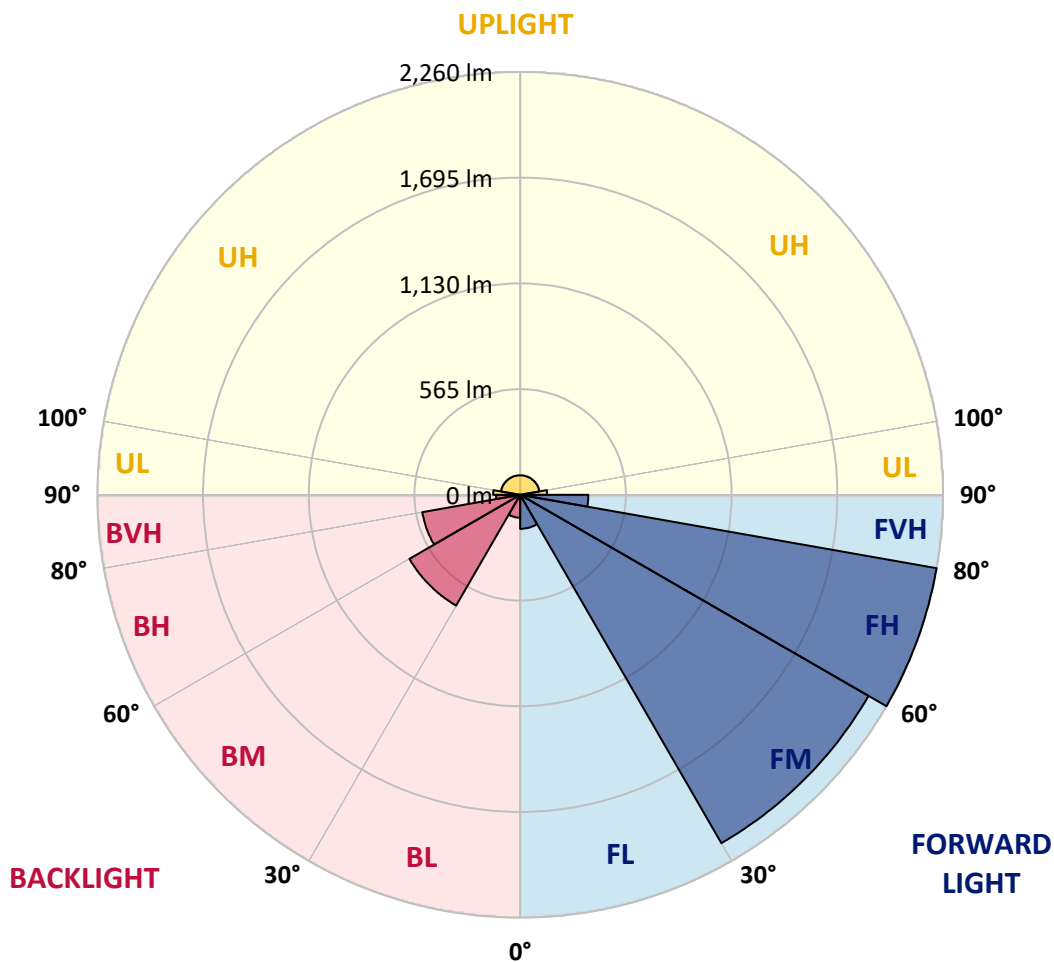
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.4	2.7			
FM	(30°-60°)	2149.7	32.3			
FH	(60°-80°)	2259.9	33.9			G2/5000
FVH	(80°-90°)	364.3	5.5			G3/500
BL	(0°-30°)	122.3	1.8	B1/500		
BM	(30°-60°)	683.7	10.3	B1/1000		
BH	(60°-80°)	531.5	8.0	B2/1000		G2/1000
BVH	(80°-90°)	129.5	1.9			G2/225
UL	(90°-100°)	144.1	2.2		U3/500	
UH	(100°-180°)	104.3	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	179.8	179.1	179.1	179.8	178.3	176.8	174.5	172.2	169.9	169.9	168.3
5°	194.4	193.6	193.6	193.6	190.5	188.2	182.9	179.8	176.8	175.2	172.9
7.5°	213.5	211.2	212.0	211.2	206.6	202.0	196.7	190.5	186.7	185.9	181.4
10°	238.7	237.2	235.7	232.6	228.0	220.4	212.7	207.4	202.0	201.2	195.9
12.5°	274.7	273.2	270.1	263.2	253.3	244.1	236.4	230.3	227.3	225.7	220.4
15°	318.3	313.7	312.2	301.5	287.7	277.0	268.6	264.8	261.7	261.7	254.8
17.5°	369.6	369.6	361.9	347.4	329.8	316.8	308.4	301.5	303.8	303.0	299.2
20°	433.1	431.6	420.1	401.0	379.5	367.3	356.6	352.8	355.8	358.9	358.9
22.5°	524.9	521.1	503.5	474.4	443.1	423.2	415.5	414.7	427.0	430.8	435.4
25°	628.2	622.9	600.7	565.5	526.5	495.9	485.1	493.6	515.7	524.2	533.3
27.5°	753.0	749.9	716.2	668.0	621.3	581.6	569.3	595.3	625.2	628.2	646.6
30°	913.7	915.2	869.3	799.6	720.1	678.7	665.0	696.3	740.7	743.8	780.5
32.5°	1099.6	1099.6	1030.7	946.6	844.0	785.9	772.9	823.4	893.0	903.7	938.9
35°	1336.8	1323.0	1235.0	1114.1	985.6	899.1	897.6	976.4	1072.0	1082.8	1121.0
37.5°	1549.5	1558.0	1468.4	1310.8	1137.1	1037.6	1050.6	1150.9	1271.8	1274.8	1316.1
40°	1779.9	1789.0	1683.4	1518.9	1305.4	1193.7	1219.7	1313.1	1433.2	1435.5	1450.1
42.5°	1960.4	1984.2	1885.5	1714.1	1498.3	1371.2	1377.4	1464.6	1557.2	1568.7	1578.6
45°	2068.3	2085.9	2031.6	1894.6	1668.1	1548.8	1534.2	1605.4	1726.3	1723.2	1737.8
47.5°	2238.2	2258.9	2175.5	2050.7	1859.4	1711.8	1693.4	1786.0	1934.4	1949.7	1936.0
50°	2414.2	2441.8	2381.3	2235.9	2038.5	1894.6	1896.9	2002.5	2175.5	2180.8	2189.2
52.5°	2537.4	2557.3	2533.6	2432.6	2222.9	2092.1	2112.7	2239.0	2408.9	2418.8	2385.1
55°	2556.5	2587.1	2606.3	2583.3	2424.9	2295.6	2348.4	2474.7	2589.4	2597.9	2571.8
57.5°	2550.4	2575.7	2616.2	2633.8	2554.2	2505.3	2573.4	2702.7	2923.8	2952.1	2939.1
60°	2543.5	2561.9	2646.1	2672.1	2626.9	2666.0	2774.6	3004.9	3126.6	3128.9	3010.3
62.5°	2352.2	2382.8	2541.2	2672.1	2659.8	2734.1	2972.0	3132.0	3228.4	3246.0	3132.7
65°	2160.2	2186.9	2346.1	2529.8	2610.9	2722.6	3002.7	3238.3	3452.6	3468.7	3244.5
67.5°	1882.4	1924.5	2098.2	2319.3	2418.8	2597.1	2922.3	3275.8	3409.0	3415.9	3159.5
70°	1533.5	1590.9	1786.7	2020.1	2139.5	2320.1	2742.5	3141.9	3327.9	3324.0	3018.7
72.5°	1105.0	1156.2	1335.3	1612.3	1799.0	1996.4	2413.4	2875.6	2981.2	2977.4	2568.0
75°	750.7	778.2	912.9	1166.2	1434.8	1666.6	2079.1	2494.6	2584.1	2577.2	2200.0
77.5°	492.0	523.4	610.6	827.2	1077.4	1344.5	1745.4	2088.2	2229.0	2203.8	1864.8
80°	301.5	319.1	391.0	558.6	816.5	1085.1	1443.2	1766.9	1839.5	1802.8	1522.8
82.5°	188.2	202.0	253.3	368.8	586.1	837.9	1183.8	1487.6	1568.7	1527.3	1252.6
85°	115.5	122.4	157.6	242.6	397.9	616.0	951.9	1206.7	1256.5	1226.6	944.3
87.5°	84.2	85.7	107.9	163.8	268.6	440.8	700.9	909.1	945.0	889.9	661.9
90°	62.0	65.0	79.6	115.5	186.7	299.2	482.8	639.7	648.9	615.2	442.3
92.5°	46.7	48.2	59.7	81.9	128.6	204.3	322.1	428.5	420.1	396.4	274.7
95°	33.7	34.4	42.9	58.2	90.3	137.0	205.1	268.6	241.8	231.9	166.8
97.5°	27.5	28.3	34.4	45.1	66.6	96.4	132.4	159.9	142.3	136.2	107.1
100°	23.7	23.7	29.1	37.5	52.0	71.9	88.0	100.2	91.8	88.8	75.8
102.5°	21.4	21.4	25.3	31.4	42.9	56.6	65.0	68.9	64.3	62.0	55.9
105°	19.1	19.1	22.2	26.8	36.0	45.9	49.7	50.5	45.9	45.1	42.9
107.5°	17.6	17.6	19.9	23.7	30.6	38.3	39.8	37.5	35.2	33.7	33.7
110°	15.3	16.1	17.6	20.7	26.8	32.1	32.1	29.1	26.0	26.0	26.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	14.5	14.5	16.1	19.1	23.7	27.5	26.0	23.0	20.7	20.7	22.2
115°	13.0	13.0	14.5	17.6	21.4	23.7	22.2	19.1	16.8	17.6	19.1
117.5°	12.2	12.2	13.8	16.1	19.1	20.7	19.1	16.1	14.5	15.3	17.6
120°	12.2	12.2	13.8	15.3	17.6	18.4	16.8	13.8	13.0	13.0	15.3
122.5°	12.2	12.2	13.0	15.3	16.8	16.8	14.5	12.2	11.5	11.5	13.8
125°	12.2	12.2	13.8	15.3	15.3	15.3	13.0	10.7	9.9	10.7	12.2
127.5°	13.0	13.0	13.8	14.5	14.5	13.8	11.5	9.9	9.2	9.9	11.5
130°	13.0	13.0	13.8	14.5	13.8	12.2	10.7	9.2	9.2	9.2	11.5
132.5°	13.0	13.0	13.8	13.8	13.0	10.7	9.2	7.7	8.4	9.2	10.7
135°	12.2	12.2	12.2	12.2	11.5	9.9	7.7	6.9	7.7	8.4	9.9
137.5°	11.5	11.5	11.5	11.5	9.9	8.4	6.1	5.4	6.9	6.9	8.4
140°	9.9	9.9	10.7	9.9	9.2	6.9	5.4	3.8	5.4	5.4	6.9
142.5°	9.2	9.2	9.2	9.2	7.7	6.1	3.8	3.8	4.6	4.6	5.4
145°	7.7	7.7	8.4	7.7	6.1	4.6	3.1	3.1	3.8	3.8	4.6
147.5°	6.1	6.9	6.9	6.1	5.4	3.8	2.3	2.3	3.1	3.1	3.8
150°	5.4	5.4	5.4	5.4	3.8	2.3	1.5	2.3	3.1	3.1	3.1
152.5°	3.8	3.8	4.6	4.6	3.1	1.5	1.5	2.3	2.3	2.3	3.1
155°	3.1	3.1	3.8	3.1	2.3	0.8	1.5	1.5	2.3	2.3	2.3
157.5°	1.5	1.5	2.3	2.3	1.5	0.8	0.8	1.5	1.5	1.5	2.3
160°	0.8	0.8	2.3	2.3	1.5	0.8	0.8	0.8	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°	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6	167.6
2.5°	167.6	166.0	165.3	163.8	162.2	160.7	160.7	160.7	159.9	159.2	159.9
5°	170.6	169.9	166.0	163.0	159.9	158.4	156.9	156.1	156.1	154.6	154.6
7.5°	179.1	176.0	170.6	165.3	162.2	159.2	156.9	156.1	155.3	153.8	153.8
10°	192.1	188.2	182.1	173.7	168.3	163.0	160.7	160.7	159.9	159.2	159.2
12.5°	216.6	212.0	201.2	189.8	179.1	171.4	169.9	172.2	176.8	177.5	177.5
15°	252.5	247.2	233.4	215.0	198.2	187.5	189.0	195.1	201.2	203.5	203.5
17.5°	296.9	290.8	270.9	244.1	221.9	212.0	211.2	219.6	228.0	232.6	232.6
20°	356.6	346.6	320.6	282.4	251.8	240.3	235.7	243.3	256.3	261.7	260.2
22.5°	430.8	419.3	382.6	324.4	286.2	265.5	259.4	267.8	283.9	290.8	290.0
25°	528.8	517.3	457.6	377.2	319.9	287.7	283.9	296.1	319.9	333.6	332.1
27.5°	642.8	623.6	544.1	436.2	352.8	306.1	306.8	327.5	352.0	367.3	365.8
30°	764.4	739.9	631.3	492.8	383.4	326.7	325.2	349.7	374.9	391.0	391.0
32.5°	925.1	889.2	732.3	547.1	407.1	342.8	337.5	365.0	391.0	407.9	407.1
35°	1097.3	1049.1	837.9	604.5	427.0	351.2	345.1	373.4	400.2	420.1	420.1
37.5°	1294.7	1212.8	936.6	644.3	440.8	355.8	347.4	379.5	412.4	433.1	431.6
40°	1398.8	1307.0	984.0	661.9	443.1	356.6	351.2	384.9	412.4	420.1	416.3
42.5°	1515.1	1396.5	1003.9	640.5	434.6	355.1	353.5	379.5	391.8	389.5	387.2
45°	1662.0	1502.1	1023.1	613.7	414.7	352.8	349.7	365.0	365.8	356.6	353.5
47.5°	1849.5	1647.5	1054.4	581.6	394.8	347.4	343.6	350.5	337.5	320.6	315.3
50°	2050.7	1815.8	1093.5	554.0	376.5	340.5	336.7	334.4	321.4	304.6	301.5
52.5°	2226.0	1929.8	1104.2	524.9	364.2	335.9	331.3	329.0	316.8	297.7	293.8
55°	2382.8	2027.0	1066.7	481.3	354.3	332.9	331.3	331.3	318.3	298.4	294.6
57.5°	2692.7	2259.6	1080.5	436.9	341.3	332.1	334.4	335.2	322.9	303.8	300.0
60°	2701.9	2215.3	1000.1	405.6	329.8	332.1	337.5	339.0	330.6	317.6	315.3
62.5°	2789.9	2216.8	892.2	365.0	322.1	330.6	339.7	345.1	345.9	338.2	336.7
65°	2822.1	2184.7	814.2	332.9	311.4	326.7	340.5	353.5	358.1	354.3	352.8
67.5°	2698.9	2037.0	707.8	311.4	300.7	320.6	339.7	355.8	365.8	368.1	368.1
70°	2536.6	1870.9	612.9	290.8	289.2	312.2	334.4	355.8	369.6	375.7	375.7
72.5°	2125.0	1536.5	505.8	269.4	273.9	299.2	322.9	348.9	364.2	369.6	367.3
75°	1777.6	1264.9	416.3	251.0	258.6	283.1	306.8	332.1	342.8	345.9	343.6
77.5°	1503.6	1052.2	342.0	234.2	240.3	262.5	283.9	301.5	308.4	306.8	303.0
80°	1212.1	821.1	280.8	213.5	219.6	237.2	252.5	266.3	273.2	269.4	267.1
82.5°	964.9	652.7	239.5	195.1	197.4	212.0	222.7	233.4	244.9	241.8	235.7
85°	713.9	480.5	203.5	175.2	175.2	185.9	191.3	201.2	217.3	216.6	214.3
87.5°	488.2	342.0	172.9	155.3	154.6	160.7	163.8	174.5	195.1	195.9	193.6
90°	321.4	234.2	144.6	134.7	133.1	137.7	140.0	149.2	166.0	167.6	164.5
92.5°	208.9	162.2	118.6	114.0	113.2	117.1	116.3	122.4	133.9	133.1	130.8
95°	133.9	113.2	96.4	94.1	91.8	96.4	94.9	96.4	102.5	101.0	101.0
97.5°	92.6	86.5	79.6	75.8	74.2	78.8	77.3	77.3	80.3	77.3	75.8
100°	71.2	68.9	65.8	62.7	59.7	63.5	63.5	63.5	65.8	61.2	59.7
102.5°	55.1	54.3	54.3	52.0	49.7	52.8	53.6	54.3	53.6	49.0	48.2
105°	43.6	43.6	45.1	42.9	42.1	44.4	45.1	44.4	44.4	40.6	40.6
107.5°	34.4	36.0	37.5	36.0	36.0	37.5	37.5	37.5	36.0	33.7	34.4
110°	28.3	29.8	32.1	30.6	30.6	32.1	31.4	30.6	29.8	29.1	29.1



REPORT NUMBER: P416250

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.5	25.3	26.8	26.0	26.8	27.5	26.8	25.3	25.3	25.3	26.0
115°	20.7	22.2	23.7	23.0	23.0	23.7	22.2	21.4	21.4	22.2	22.2
117.5°	18.4	19.9	20.7	20.7	19.9	20.7	19.1	18.4	19.1	19.9	19.9
120°	16.8	17.6	18.4	18.4	17.6	17.6	16.8	16.1	16.8	17.6	18.4
122.5°	15.3	16.1	16.1	16.8	16.1	15.3	14.5	14.5	15.3	16.1	16.1
125°	13.8	14.5	14.5	14.5	14.5	13.8	13.0	13.0	13.8	14.5	15.3
127.5°	12.2	13.0	13.0	13.8	13.0	12.2	11.5	12.2	13.0	13.8	13.8
130°	12.2	12.2	12.2	12.2	11.5	10.7	10.7	10.7	12.2	13.0	13.0
132.5°	11.5	12.2	11.5	11.5	10.7	9.2	9.2	9.9	11.5	12.2	12.2
135°	10.7	10.7	9.9	9.9	9.2	8.4	7.7	9.2	9.9	10.7	10.7
137.5°	9.2	9.2	8.4	7.7	7.7	6.9	6.9	7.7	9.2	9.9	9.9
140°	6.9	7.7	6.9	6.1	6.1	5.4	6.1	6.9	8.4	8.4	8.4
142.5°	5.4	6.1	5.4	4.6	4.6	4.6	4.6	6.1	7.7	7.7	7.7
145°	4.6	4.6	4.6	3.8	3.1	3.1	3.8	5.4	6.9	6.9	6.9
147.5°	3.8	3.8	3.8	3.1	2.3	2.3	3.1	4.6	5.4	5.4	5.4
150°	3.1	3.1	3.1	3.1	2.3	1.5	2.3	3.8	4.6	4.6	4.6
152.5°	3.1	3.1	3.1	2.3	1.5	0.8	1.5	3.1	3.8	3.8	3.8
155°	2.3	2.3	2.3	2.3	1.5	0.8	0.8	2.3	3.1	3.1	3.1
157.5°	2.3	2.3	2.3	1.5	0.8	0.0	0.8	2.3	3.1	2.3	2.3
160°	1.5	1.5	1.5	1.5	0.8	0.0	0.8	1.5	2.3	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

(END OF REPORT)