

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: P413751

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2U-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-25)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7889 lumens
Efficiency: N/A
Efficacy: 82.2 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 - G3

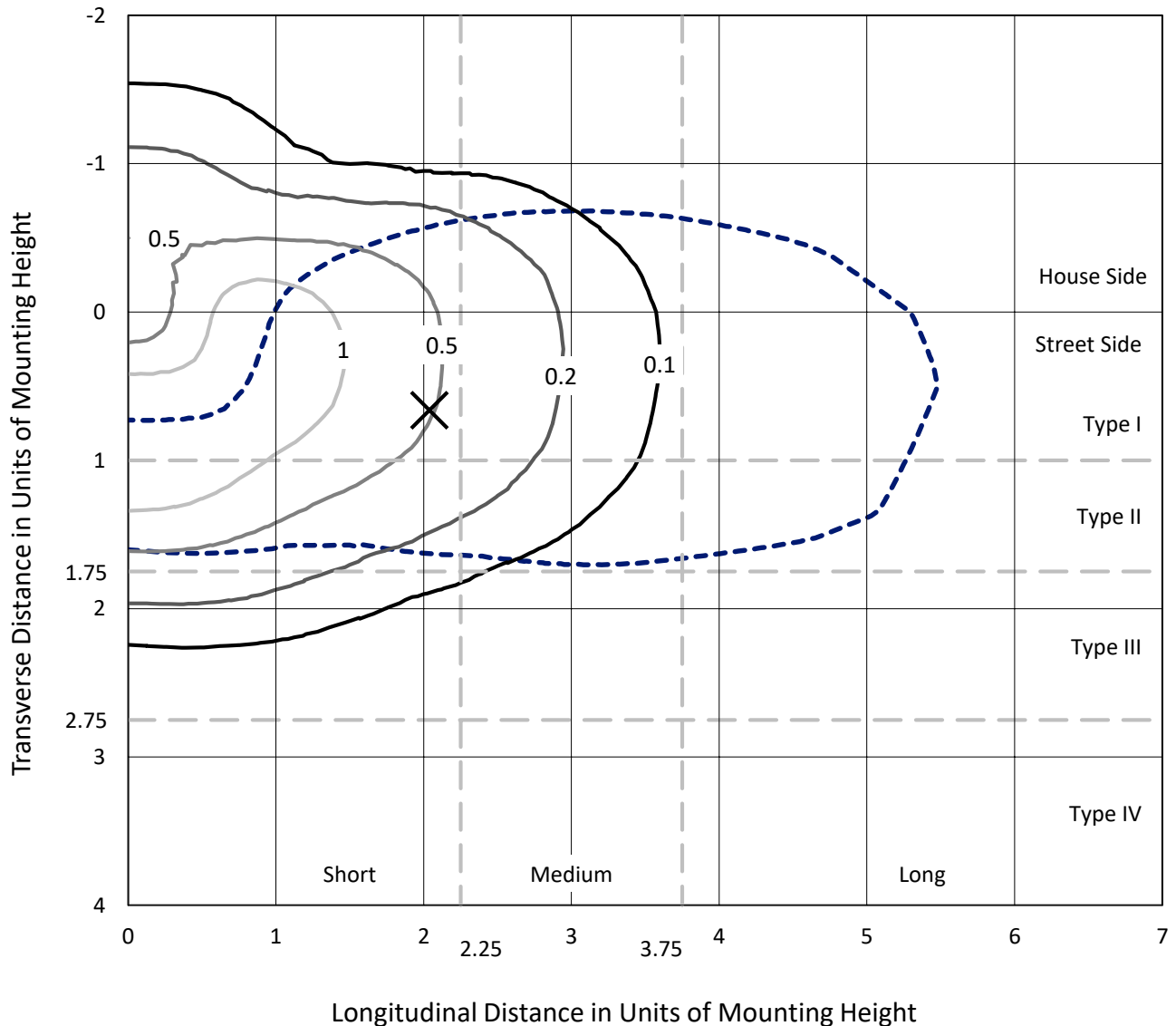
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

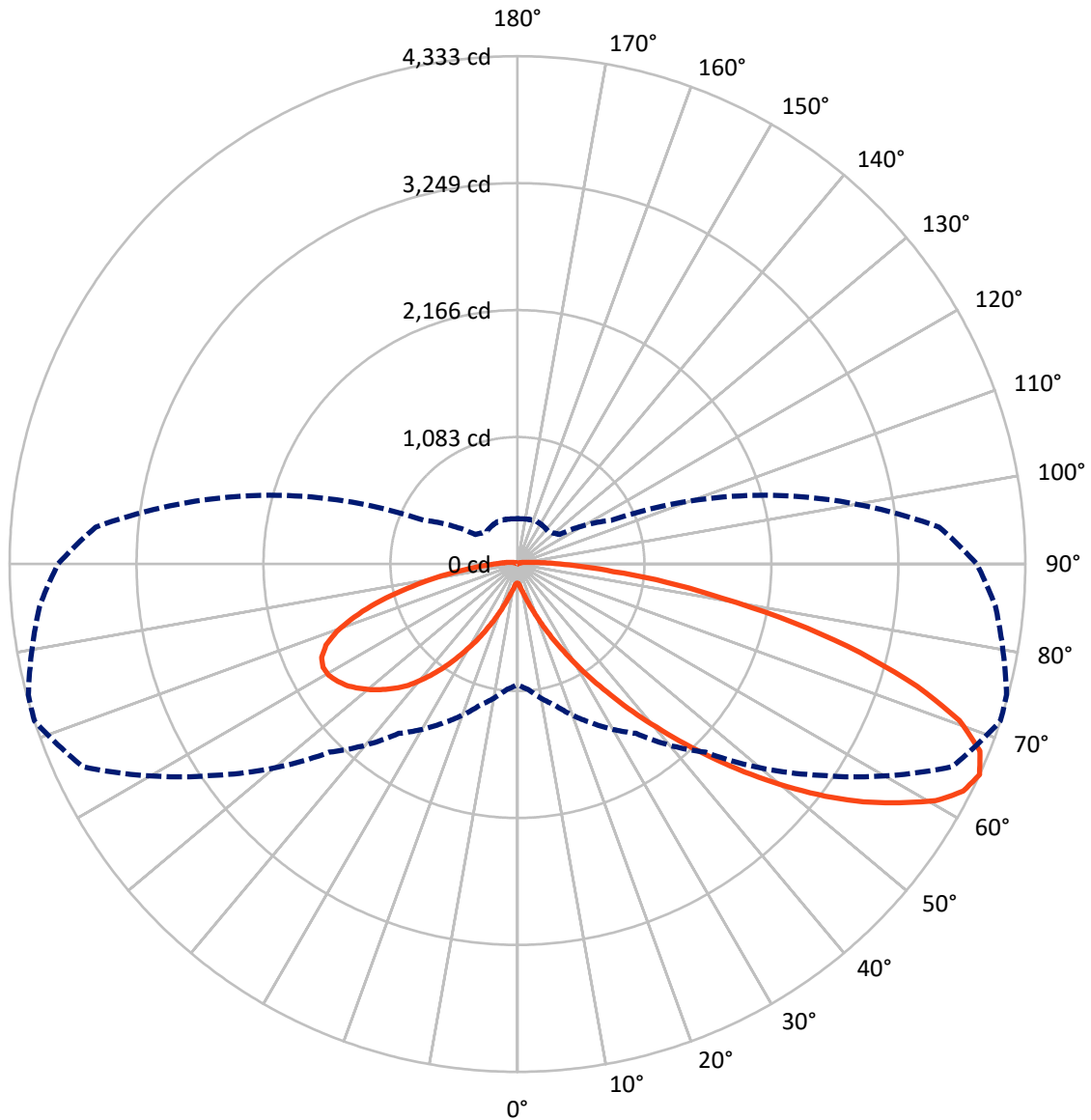
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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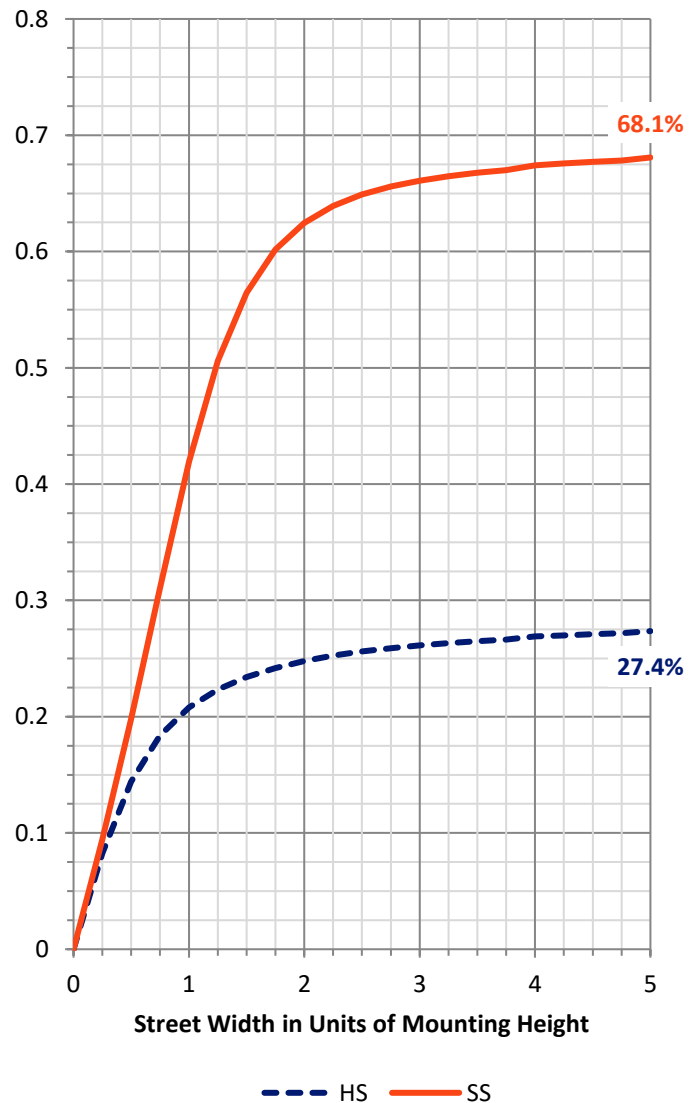
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2224.2	111.9	2336.2
	% Fixture	28.2	1.4	29.6
Street Side	Lumens	5443.7	109.1	5552.8
	% Fixture	69.0	1.4	70.4
Total	Lumens	7667.9	221.0	7889.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.2
10°-20°	95.4	1.2
20°-30°	302.3	3.8
30°-40°	724.4	9.2
40°-50°	1337.5	17.0
50°-60°	1822.5	23.1
60°-70°	1776.9	22.5
70°-80°	1160.4	14.7
80°-90°	429.9	5.4
90°-100°	119.5	1.5
100°-110°	50.1	0.6
110°-120°	25.2	0.3
120°-130°	14.3	0.2
130°-140°	8.0	0.1
140°-150°	3.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7667.9	97.2
0°-180°	7889.0	100.0



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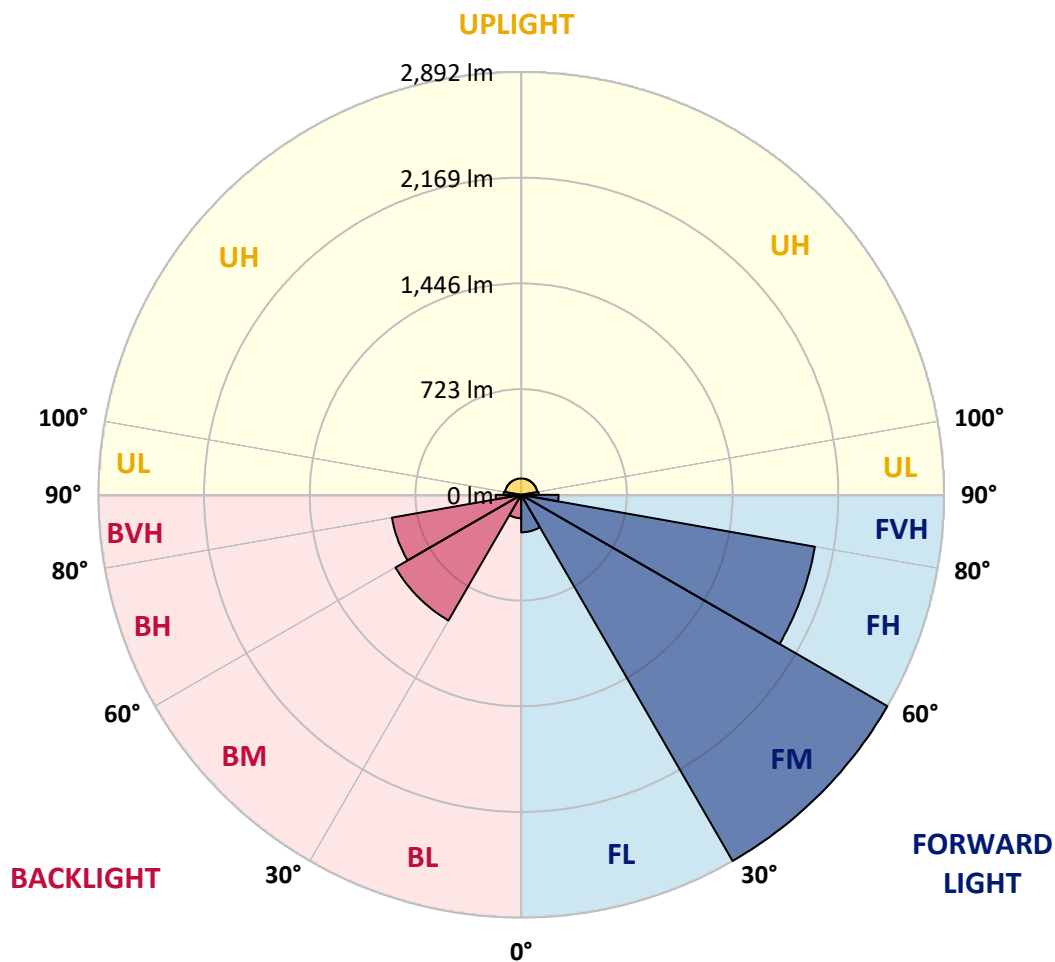
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.3	3.2			
FM (30°-60°)	2891.6	36.7			
FH (60°-80°)	2039.9	25.9			G2/5000
FVH (80°-90°)	255.9	3.2			G3/500
BL (0°-30°)	160.2	2.0	B1/500		
BM (30°-60°)	992.7	12.6	B1/1000		
BH (60°-80°)	897.4	11.4	B2/1000		G2/1000
BVH (80°-90°)	174.0	2.2			G2/225
UL (90°-100°)	119.5	1.5		U3/500	
UH (100°-180°)	111.9	1.4		U3/500	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	181.7	180.8	179.0	178.1	178.1	176.2	174.4	171.7	169.8	168.9	167.1
5°	205.4	203.6	201.8	200.0	198.1	195.4	190.8	188.1	184.4	183.5	179.9
7.5°	239.2	237.4	231.9	230.1	227.4	223.7	218.2	212.7	209.1	206.4	200.9
10°	284.0	282.1	278.5	273.9	268.4	261.1	252.0	246.5	237.4	239.2	231.0
12.5°	345.1	340.6	336.0	328.7	317.8	309.5	296.8	291.3	281.2	281.2	271.2
15°	419.1	418.2	409.1	393.5	383.5	366.1	355.2	343.3	336.9	336.9	328.7
17.5°	515.0	508.6	501.3	480.3	457.5	436.5	421.8	413.6	406.3	404.5	393.5
20°	633.7	624.5	613.6	576.2	548.8	523.2	502.2	495.8	490.3	489.4	480.3
22.5°	784.3	765.2	745.1	708.5	664.7	620.0	605.4	590.8	591.7	593.5	572.5
25°	951.4	945.9	910.3	858.3	800.8	751.5	711.3	705.8	711.3	707.6	699.4
27.5°	1166.0	1147.7	1103.0	1036.3	945.0	887.5	844.6	840.9	841.9	846.4	832.7
30°	1416.2	1407.1	1350.4	1239.0	1121.3	1044.6	998.0	991.6	1002.6	1003.5	982.5
32.5°	1711.1	1692.8	1606.1	1481.9	1321.2	1223.5	1170.6	1168.7	1180.6	1183.3	1166.9
35°	2009.7	2000.6	1914.7	1736.7	1560.5	1412.5	1358.7	1362.3	1370.5	1387.0	1367.8
37.5°	2353.9	2329.3	2218.8	2030.7	1807.9	1630.8	1573.2	1586.0	1598.8	1598.8	1572.3
40°	2679.0	2669.8	2553.9	2317.4	2050.8	1886.4	1823.4	1830.7	1829.8	1830.7	1796.0
42.5°	2980.3	2949.2	2847.0	2595.9	2321.0	2154.0	2078.2	2090.0	2101.0	2109.2	2021.6
45°	3183.9	3157.4	3067.0	2819.6	2576.7	2418.7	2369.4	2369.4	2382.2	2378.6	2291.8
47.5°	3256.0	3252.4	3184.8	2996.7	2773.9	2651.6	2654.3	2664.4	2683.5	2666.2	2542.0
50°	3222.3	3207.6	3195.8	3090.8	2937.4	2878.9	2933.7	2984.9	2986.7	2955.6	2797.7
52.5°	3010.4	3012.2	3072.5	3053.3	2983.0	3042.4	3209.5	3299.9	3291.6	3261.5	3071.6
55°	2688.1	2702.7	2807.7	2888.1	2931.0	3095.3	3414.0	3601.2	3582.9	3540.9	3348.3
57.5°	2259.0	2306.4	2447.0	2622.4	2775.8	3046.0	3525.4	3862.3	3843.1	3843.1	3624.0
60°	1802.4	1840.8	2048.0	2261.7	2503.7	2879.8	3536.4	4054.1	4100.6	4071.4	3819.4
62.5°	1397.9	1414.4	1628.9	1898.3	2157.6	2600.4	3410.3	4145.4	4268.6	4244.0	3994.7
65°	1029.0	1075.6	1249.1	1495.6	1764.1	2270.8	3141.0	4091.5	4332.6	4319.8	4091.5
67.5°	765.2	786.2	931.3	1159.6	1425.3	1860.9	2748.4	3855.9	4255.9	4266.8	4076.9
70°	573.4	578.9	692.1	880.2	1106.7	1468.2	2290.9	3479.7	4001.1	4050.4	3946.3
72.5°	433.7	443.8	537.8	685.7	853.7	1130.4	1810.6	2968.4	3566.5	3688.8	3649.6
75°	339.7	351.5	416.4	530.5	660.2	855.6	1370.5	2364.0	3021.4	3179.3	3223.2
77.5°	268.4	281.2	336.0	423.7	515.0	660.2	1007.1	1768.6	2413.3	2571.2	2699.1
80°	210.9	220.1	268.4	333.3	405.4	487.6	705.8	1285.6	1772.3	1969.5	2086.4
82.5°	160.7	170.7	208.2	263.0	317.8	372.5	504.0	874.7	1285.6	1375.1	1574.1
85°	116.9	126.0	157.0	201.8	244.7	288.5	368.9	583.5	819.0	925.9	1026.3
87.5°	85.8	89.5	116.9	149.7	188.1	218.2	265.7	372.5	520.5	573.4	657.4
90°	60.3	63.9	85.8	110.5	142.4	170.7	195.4	246.5	324.1	371.6	387.1
92.5°	44.7	47.5	63.9	83.1	109.6	132.4	147.9	174.4	210.9	231.0	243.8
95°	33.8	36.5	50.2	65.7	84.9	104.1	116.0	126.0	147.0	152.5	163.4
97.5°	27.4	29.2	41.1	53.9	68.5	85.8	92.2	97.7	105.0	110.5	115.0
100°	23.7	24.7	34.7	45.7	58.4	69.4	74.9	77.6	82.2	84.0	85.8
102.5°	21.0	21.0	30.1	39.3	50.2	58.4	63.0	63.0	63.9	64.8	63.9
105°	18.3	19.2	26.5	34.7	42.9	50.2	53.9	52.0	51.1	50.2	47.5
107.5°	17.3	17.3	23.7	31.0	38.3	43.8	46.6	42.9	41.1	39.3	36.5
110°	15.5	16.4	21.0	27.4	33.8	38.3	40.2	36.5	32.9	31.0	28.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.6	15.5	19.2	24.7	30.1	34.7	34.7	31.0	26.5	24.7	22.8
115°	14.6	14.6	17.3	21.9	27.4	31.0	31.0	26.5	21.9	20.1	19.2
117.5°	14.6	14.6	16.4	20.1	24.7	27.4	27.4	22.8	18.3	16.4	16.4
120°	13.7	13.7	15.5	18.3	22.8	24.7	23.7	20.1	15.5	14.6	14.6
122.5°	13.7	13.7	14.6	17.3	21.0	22.8	21.9	17.3	13.7	11.9	12.8
125°	14.6	13.7	14.6	16.4	19.2	20.1	19.2	14.6	11.9	11.0	11.9
127.5°	14.6	14.6	13.7	15.5	17.3	18.3	17.3	12.8	10.0	10.0	11.0
130°	14.6	14.6	13.7	14.6	15.5	16.4	14.6	11.0	9.1	9.1	10.0
132.5°	14.6	14.6	13.7	13.7	14.6	14.6	12.8	9.1	8.2	8.2	9.1
135°	14.6	14.6	12.8	12.8	12.8	12.8	11.0	8.2	7.3	7.3	8.2
137.5°	13.7	13.7	12.8	11.9	11.9	11.0	9.1	6.4	5.5	6.4	7.3
140°	12.8	12.8	11.9	10.0	10.0	9.1	7.3	5.5	4.6	5.5	5.5
142.5°	11.9	11.9	11.0	9.1	8.2	7.3	6.4	3.7	3.7	3.7	4.6
145°	11.0	11.0	10.0	7.3	6.4	5.5	4.6	2.7	2.7	2.7	3.7
147.5°	9.1	9.1	8.2	6.4	4.6	4.6	2.7	1.8	2.7	2.7	2.7
150°	7.3	7.3	6.4	4.6	3.7	2.7	0.9	1.8	1.8	1.8	2.7
152.5°	6.4	6.4	4.6	3.7	1.8	0.9	0.9	0.9	1.8	1.8	1.8
155°	4.6	4.6	3.7	1.8	0.9	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	2.7	2.7	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4	164.4
2.5°	165.3	165.3	164.4	163.4	162.5	161.6	159.8	158.9	158.9	158.0	158.0
5°	178.1	177.1	174.4	171.7	168.0	166.2	163.4	161.6	160.7	159.8	159.8
7.5°	198.1	196.3	190.8	186.3	181.7	178.1	173.5	170.7	169.8	167.1	168.0
10°	226.4	223.7	217.3	209.1	200.9	195.4	189.0	185.4	183.5	181.7	179.9
12.5°	267.5	262.1	251.1	240.1	228.3	217.3	210.9	208.2	210.0	209.1	210.0
15°	324.1	314.1	297.7	281.2	260.2	246.5	244.7	243.8	243.8	244.7	246.5
17.5°	388.1	377.1	356.1	326.0	301.3	287.6	279.4	278.5	283.1	284.0	283.1
20°	472.1	461.1	428.2	387.1	351.5	329.6	318.7	318.7	325.1	326.9	330.5
22.5°	562.5	556.1	511.3	454.7	407.2	371.6	356.1	357.9	367.1	369.8	371.6
25°	688.5	662.9	608.1	530.5	462.0	414.5	393.5	394.4	404.5	411.8	414.5
27.5°	827.2	798.0	717.7	616.3	516.8	450.1	426.4	427.3	439.2	448.3	450.1
30°	976.1	946.9	841.9	701.2	567.9	482.1	450.1	451.1	464.8	474.8	476.6
32.5°	1135.0	1111.2	964.2	792.6	612.7	504.0	465.7	466.6	478.5	487.6	489.4
35°	1335.8	1282.0	1109.4	873.8	650.1	517.7	473.0	472.1	483.9	493.1	494.9
37.5°	1534.0	1476.4	1247.3	949.6	672.0	521.4	471.1	471.1	480.3	487.6	488.5
40°	1749.5	1653.6	1392.4	1009.0	680.2	515.9	465.7	464.8	472.1	475.7	476.6
42.5°	1981.4	1863.6	1534.9	1056.4	676.6	504.0	455.6	456.5	459.3	459.3	458.4
45°	2190.5	2070.9	1657.2	1087.5	663.8	488.5	443.8	444.7	445.6	438.3	438.3
47.5°	2436.1	2290.9	1772.3	1094.8	638.2	473.0	434.6	436.5	431.9	421.8	420.0
50°	2668.9	2507.3	1888.2	1092.0	611.8	456.5	425.5	427.3	419.1	405.4	402.7
52.5°	2928.2	2721.0	1997.8	1078.3	579.8	441.9	419.1	420.9	411.8	395.4	392.6
55°	3183.9	2947.4	2098.3	1054.6	552.4	426.4	412.7	417.3	405.4	389.0	388.1
57.5°	3427.7	3172.0	2181.3	1019.9	523.2	415.5	408.1	413.6	402.7	386.2	385.3
60°	3645.0	3362.9	2248.0	986.1	491.2	404.5	403.6	410.9	400.8	387.1	386.2
62.5°	3797.5	3534.5	2278.1	940.5	465.7	392.6	398.1	405.4	398.1	387.1	387.1
65°	3918.9	3611.2	2266.3	880.2	438.3	379.8	390.8	398.1	393.5	386.2	387.1
67.5°	3896.1	3609.4	2188.6	808.1	412.7	366.1	378.0	388.1	384.4	381.7	380.8
70°	3755.5	3438.7	2039.8	729.5	386.2	348.8	362.5	372.5	371.6	370.7	370.7
72.5°	3466.0	3142.8	1817.0	639.2	358.8	330.5	342.4	351.5	353.4	352.4	349.7
75°	3088.0	2735.6	1558.6	554.2	330.5	308.6	321.4	326.9	329.6	327.8	327.8
77.5°	2533.8	2280.9	1239.0	468.4	300.4	284.0	293.1	297.7	301.3	296.8	294.0
80°	2013.3	1734.8	953.3	382.6	267.5	256.6	261.1	263.0	266.6	262.1	256.6
82.5°	1413.4	1236.3	691.2	312.3	234.7	225.5	228.3	227.4	229.2	222.8	215.5
85°	944.1	830.9	475.7	251.1	200.9	192.7	192.7	189.9	188.1	181.7	176.2
87.5°	592.6	525.9	326.9	198.1	168.9	162.5	158.9	153.4	151.6	147.0	140.6
90°	365.2	336.0	228.3	158.9	140.6	135.1	131.5	123.3	122.4	115.0	110.5
92.5°	239.2	219.1	168.9	128.7	117.8	112.3	107.7	100.4	99.5	94.0	91.3
95°	158.0	153.4	128.7	107.7	99.5	95.0	90.4	84.0	82.2	76.7	73.0
97.5°	116.0	116.0	105.9	91.3	84.9	80.4	77.6	72.1	68.5	63.0	61.2
100°	87.7	88.6	84.9	78.5	73.0	68.5	65.7	61.2	58.4	53.0	52.0
102.5°	67.6	69.4	70.3	66.7	63.0	59.4	56.6	53.0	49.3	43.8	42.9
105°	52.0	53.9	57.5	56.6	54.8	52.0	49.3	45.7	41.1	36.5	36.5
107.5°	40.2	42.0	47.5	48.4	47.5	44.7	42.9	39.3	35.6	31.0	31.0
110°	31.0	33.8	39.3	41.1	41.1	39.3	37.4	33.8	29.2	26.5	26.5



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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.6	28.3	32.9	35.6	35.6	34.7	32.0	28.3	24.7	22.8	22.8
115°	21.0	23.7	28.3	31.0	31.0	30.1	28.3	24.7	21.0	20.1	20.1
117.5°	18.3	20.1	23.7	26.5	27.4	26.5	24.7	21.0	18.3	18.3	18.3
120°	16.4	18.3	21.0	22.8	23.7	22.8	21.0	18.3	15.5	16.4	16.4
122.5°	14.6	15.5	18.3	21.0	21.0	21.0	19.2	15.5	13.7	14.6	14.6
125°	12.8	14.6	16.4	18.3	19.2	18.3	16.4	13.7	11.9	12.8	13.7
127.5°	11.9	12.8	14.6	16.4	16.4	16.4	14.6	11.9	11.0	11.9	11.9
130°	11.0	11.9	12.8	14.6	14.6	14.6	12.8	10.0	10.0	11.0	11.0
132.5°	10.0	11.0	11.9	12.8	12.8	12.8	11.0	9.1	8.2	10.0	10.0
135°	9.1	9.1	10.0	11.0	11.0	11.0	9.1	7.3	7.3	9.1	9.1
137.5°	7.3	8.2	9.1	9.1	9.1	9.1	7.3	6.4	6.4	7.3	7.3
140°	6.4	6.4	7.3	7.3	7.3	7.3	6.4	4.6	5.5	6.4	6.4
142.5°	5.5	5.5	6.4	6.4	6.4	5.5	4.6	3.7	4.6	5.5	5.5
145°	3.7	4.6	4.6	4.6	4.6	3.7	2.7	2.7	3.7	4.6	4.6
147.5°	3.7	3.7	3.7	3.7	3.7	2.7	1.8	1.8	2.7	3.7	3.7
150°	2.7	2.7	3.7	3.7	2.7	1.8	0.9	0.9	1.8	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.0	0.0	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
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)