

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: P417082

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417082
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-PA1-90-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA 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: 7844.9 lumens
Efficiency: N/A
Efficacy: 83.5 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

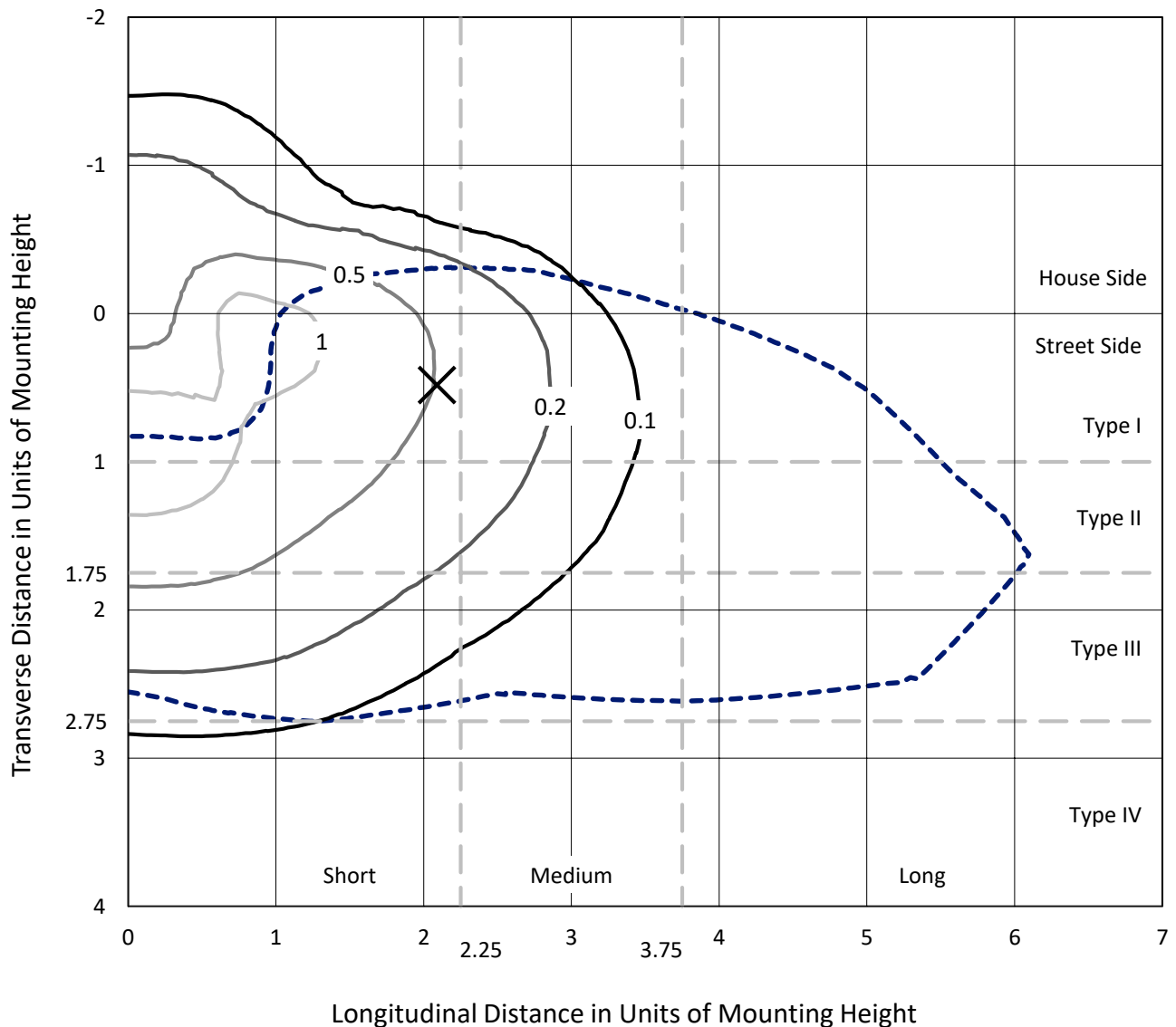
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P417082
 CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

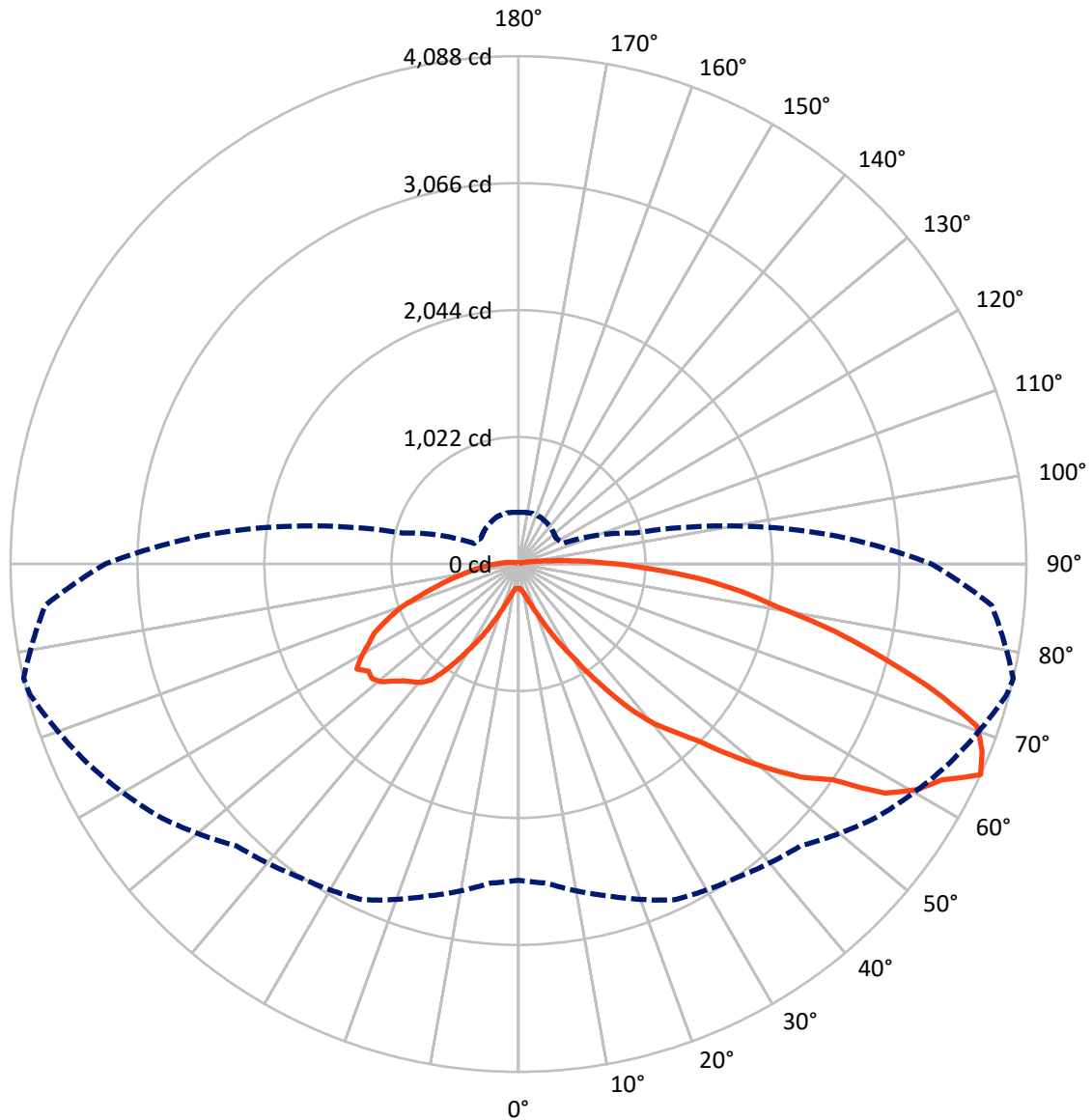


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P417082

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P417082

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1728.7	122.9	1851.6
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	5839.7	153.7	5993.3
	% Fixture	74.4	2.0	76.4
Total	Lumens	7568.4	276.6	7844.9
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	0.3
10°-20°	85.9	1.1
20°-30°	251.8	3.2
30°-40°	602.8	7.7
40°-50°	1085.4	13.8
50°-60°	1650.9	21.0
60°-70°	1947.5	24.8
70°-80°	1342.1	17.1
80°-90°	581.9	7.4
90°-100°	169.9	2.2
100°-110°	53.2	0.7
110°-120°	24.8	0.3
120°-130°	14.6	0.2
130°-140°	8.9	0.1
140°-150°	3.9	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7568.4	96.5
0°-180°	7844.9	100.0



REPORT NUMBER: P417082

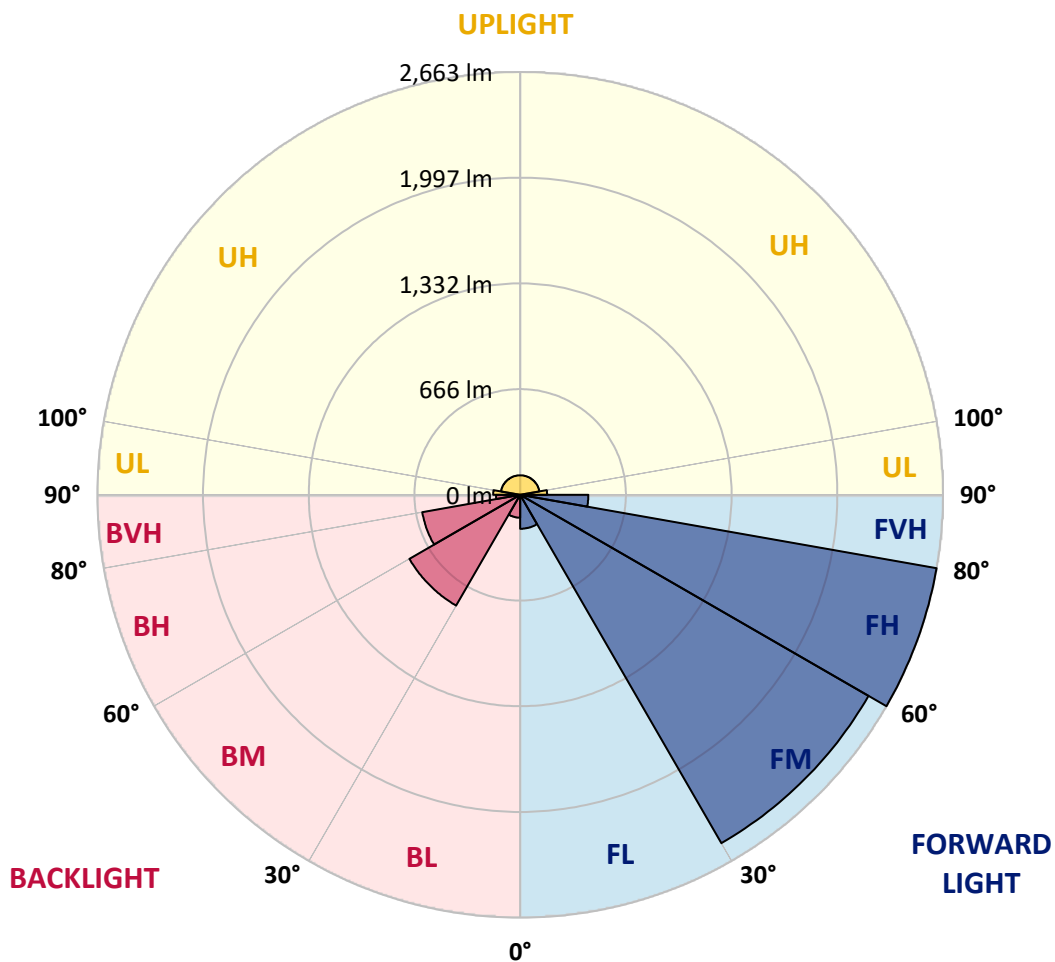
CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	213.8	2.7			
FM (30°-60°)	2533.4	32.3			
FH (60°-80°)	2663.2	33.9			G2/5000
FVH (80°-90°)	429.3	5.5			G3/500
BL (0°-30°)	144.1	1.8	B1/500		
BM (30°-60°)	805.7	10.3	B1/1000		
BH (60°-80°)	626.3	8.0	B2/1000		G2/1000
BVH (80°-90°)	152.6	1.9			G2/225
UL (90°-100°)	169.9	2.2		U3/500	
UH (100°-180°)	122.9	1.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short





REPORT NUMBER: P417082

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
2.5°	211.9	211.0	211.0	211.9	210.1	208.3	205.6	202.9	200.2	200.2	198.4
5°	229.0	228.1	228.1	228.1	224.5	221.8	215.5	211.9	208.3	206.5	203.8
7.5°	251.6	248.9	249.8	248.9	243.5	238.1	231.8	224.5	220.0	219.1	213.7
10°	281.3	279.5	277.7	274.1	268.7	259.7	250.7	244.4	238.1	237.2	230.9
12.5°	323.7	321.9	318.3	310.2	298.5	287.7	278.6	271.4	267.8	266.0	259.7
15°	375.1	369.7	367.9	355.3	339.1	326.4	316.5	312.0	308.4	308.4	300.3
17.5°	435.5	435.5	426.5	409.4	388.7	373.3	363.4	355.3	358.0	357.1	352.6
20°	510.4	508.6	495.1	472.5	447.3	432.8	420.2	415.7	419.3	422.9	422.9
22.5°	618.6	614.1	593.4	559.1	522.1	498.7	489.7	488.8	503.2	507.7	513.1
25°	740.3	734.0	707.9	666.4	620.4	584.3	571.7	581.6	607.8	617.7	628.5
27.5°	887.3	883.7	844.0	787.2	732.2	685.3	670.9	701.6	736.7	740.3	762.0
30°	1076.7	1078.5	1024.4	942.3	848.6	799.9	783.6	820.6	872.9	876.5	919.8
32.5°	1295.8	1295.8	1214.7	1115.5	994.6	926.1	910.8	970.3	1052.4	1065.0	1106.5
35°	1575.4	1559.1	1455.4	1313.0	1161.5	1059.6	1057.8	1150.6	1263.4	1276.0	1321.1
37.5°	1826.1	1836.0	1730.5	1544.7	1340.0	1222.8	1238.1	1356.2	1498.7	1502.3	1551.0
40°	2097.5	2108.3	1983.9	1790.0	1538.4	1406.7	1437.4	1547.4	1689.0	1691.7	1708.8
42.5°	2310.3	2338.3	2221.9	2019.9	1765.6	1616.0	1623.2	1726.0	1835.1	1848.6	1860.3
45°	2437.5	2458.2	2394.2	2232.8	1965.8	1825.2	1808.0	1891.9	2034.4	2030.8	2047.9
47.5°	2637.6	2662.0	2563.7	2416.7	2191.3	2017.2	1995.6	2104.7	2279.6	2297.7	2281.4
50°	2845.0	2877.5	2806.3	2634.9	2402.3	2232.8	2235.5	2359.9	2563.7	2570.0	2579.9
52.5°	2990.2	3013.7	2985.7	2866.7	2619.6	2465.4	2489.8	2638.5	2838.7	2850.5	2810.8
55°	3012.8	3048.8	3071.4	3044.3	2857.7	2705.3	2767.5	2916.3	3051.6	3061.5	3030.8
57.5°	3005.6	3035.3	3083.1	3103.9	3010.1	2952.4	3032.6	3185.0	3445.6	3479.0	3463.7
60°	2997.4	3019.1	3118.3	3148.9	3095.7	3141.7	3269.8	3541.2	3684.6	3687.3	3547.5
62.5°	2772.0	2808.1	2994.7	3148.9	3134.5	3222.0	3502.4	3690.9	3804.5	3825.3	3691.8
65°	2545.7	2577.2	2764.8	2981.2	3076.8	3208.5	3538.5	3816.2	4068.7	4087.7	3823.5
67.5°	2218.3	2267.9	2472.6	2733.2	2850.5	3060.6	3443.8	3860.4	4017.3	4025.4	3723.4
70°	1807.1	1874.8	2105.6	2380.6	2521.3	2734.1	3231.9	3702.6	3921.7	3917.2	3557.4
72.5°	1302.1	1362.6	1573.6	1900.0	2120.0	2352.7	2844.1	3388.8	3513.3	3508.7	3026.3
75°	884.6	917.1	1075.8	1374.3	1690.8	1964.0	2450.1	2939.7	3045.2	3037.1	2592.6
77.5°	579.8	616.8	719.6	974.8	1269.7	1584.4	2056.9	2460.9	2626.8	2597.1	2197.6
80°	355.3	376.0	460.8	658.3	962.2	1278.7	1700.7	2082.2	2167.8	2124.5	1794.5
82.5°	221.8	238.1	298.5	434.6	690.7	987.4	1395.0	1753.0	1848.6	1799.9	1476.2
85°	136.2	144.3	185.8	285.9	468.9	725.9	1121.8	1422.1	1480.7	1445.5	1112.8
87.5°	99.2	101.0	127.1	193.0	316.5	519.4	826.0	1071.3	1113.7	1048.7	780.0
90°	73.0	76.6	93.8	136.2	220.0	352.6	569.0	753.9	764.7	725.0	521.2
92.5°	55.0	56.8	70.3	96.5	151.5	240.8	379.6	505.0	495.1	467.1	323.7
95°	39.7	40.6	50.5	68.5	106.4	161.4	241.7	316.5	285.0	273.2	196.6
97.5°	32.5	33.4	40.6	53.2	78.5	113.6	156.0	188.5	167.7	160.5	126.2
100°	28.0	28.0	34.3	44.2	61.3	84.8	103.7	118.1	108.2	104.6	89.3
102.5°	25.2	25.2	29.8	37.0	50.5	66.7	76.6	81.2	75.7	73.0	65.8
105°	22.5	22.5	26.2	31.6	42.4	54.1	58.6	59.5	54.1	53.2	50.5
107.5°	20.7	20.7	23.4	28.0	36.1	45.1	46.9	44.2	41.5	39.7	39.7
110°	18.0	18.9	20.7	24.3	31.6	37.9	37.9	34.3	30.7	30.7	31.6



REPORT NUMBER: P417082

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	17.1	17.1	18.9	22.5	28.0	32.5	30.7	27.1	24.3	24.3	26.2
115°	15.3	15.3	17.1	20.7	25.2	28.0	26.2	22.5	19.8	20.7	22.5
117.5°	14.4	14.4	16.2	18.9	22.5	24.3	22.5	18.9	17.1	18.0	20.7
120°	14.4	14.4	16.2	18.0	20.7	21.6	19.8	16.2	15.3	15.3	18.0
122.5°	14.4	14.4	15.3	18.0	19.8	19.8	17.1	14.4	13.5	13.5	16.2
125°	14.4	14.4	16.2	18.0	18.0	18.0	15.3	12.6	11.7	12.6	14.4
127.5°	15.3	15.3	16.2	17.1	17.1	16.2	13.5	11.7	10.8	11.7	13.5
130°	15.3	15.3	16.2	17.1	16.2	14.4	12.6	10.8	10.8	10.8	13.5
132.5°	15.3	15.3	16.2	16.2	15.3	12.6	10.8	9.0	9.9	10.8	12.6
135°	14.4	14.4	14.4	14.4	13.5	11.7	9.0	8.1	9.0	9.9	11.7
137.5°	13.5	13.5	13.5	13.5	11.7	9.9	7.2	6.3	8.1	8.1	9.9
140°	11.7	11.7	12.6	11.7	10.8	8.1	6.3	4.5	6.3	6.3	8.1
142.5°	10.8	10.8	10.8	10.8	9.0	7.2	4.5	4.5	5.4	5.4	6.3
145°	9.0	9.0	9.9	9.0	7.2	5.4	3.6	3.6	4.5	4.5	5.4
147.5°	7.2	8.1	8.1	7.2	6.3	4.5	2.7	2.7	3.6	3.6	4.5
150°	6.3	6.3	6.3	6.3	4.5	2.7	1.8	2.7	3.6	3.6	3.6
152.5°	4.5	4.5	5.4	5.4	3.6	1.8	1.8	2.7	2.7	2.7	3.6
155°	3.6	3.6	4.5	3.6	2.7	0.9	1.8	1.8	2.7	2.7	2.7
157.5°	1.8	1.8	2.7	2.7	1.8	0.9	0.9	1.8	1.8	1.8	2.7
160°	0.9	0.9	2.7	2.7	1.8	0.9	0.9	0.9	1.8	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



REPORT NUMBER: P417082

CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5	197.5
2.5°	197.5	195.7	194.8	193.0	191.2	189.4	189.4	189.4	188.5	187.6	188.5
5°	201.1	200.2	195.7	192.1	188.5	186.7	184.9	184.0	184.0	182.2	182.2
7.5°	211.0	207.4	201.1	194.8	191.2	187.6	184.9	184.0	183.1	181.3	181.3
10°	226.3	221.8	214.6	204.7	198.4	192.1	189.4	189.4	188.5	187.6	187.6
12.5°	255.2	249.8	237.2	223.6	211.0	202.0	200.2	202.9	208.3	209.2	209.2
15°	297.6	291.3	275.0	253.4	233.6	220.9	222.7	229.9	237.2	239.9	239.9
17.5°	349.9	342.7	319.2	287.7	261.5	249.8	248.9	258.8	268.7	274.1	274.1
20°	420.2	408.5	377.8	332.7	296.7	283.2	277.7	286.8	302.1	308.4	306.6
22.5°	507.7	494.2	450.9	382.3	337.3	312.9	305.7	315.6	334.6	342.7	341.8
25°	623.1	609.6	539.3	444.6	376.9	339.1	334.6	349.0	376.9	393.2	391.4
27.5°	757.5	734.9	641.2	514.0	415.7	360.7	361.6	386.0	414.8	432.8	431.0
30°	900.9	872.0	744.0	580.7	451.8	385.1	383.2	412.1	441.9	460.8	460.8
32.5°	1090.2	1047.8	863.0	644.8	479.7	404.0	397.7	430.1	460.8	480.6	479.7
35°	1293.1	1236.3	987.4	712.4	503.2	413.9	406.7	440.1	471.6	495.1	495.1
37.5°	1525.8	1429.3	1103.8	759.3	519.4	419.3	409.4	447.3	486.0	510.4	508.6
40°	1648.4	1540.2	1159.7	780.0	522.1	420.2	413.9	453.6	486.0	495.1	490.6
42.5°	1785.5	1645.7	1183.1	754.8	512.2	418.4	416.6	447.3	461.7	459.0	456.3
45°	1958.6	1770.2	1205.7	723.2	488.8	415.7	412.1	430.1	431.0	420.2	416.6
47.5°	2179.6	1941.5	1242.6	685.3	465.3	409.4	404.9	413.0	397.7	377.8	371.5
50°	2416.7	2139.9	1288.6	652.9	443.7	401.3	396.8	394.1	378.7	358.9	355.3
52.5°	2623.2	2274.2	1301.2	618.6	429.2	395.9	390.5	387.8	373.3	350.8	346.3
55°	2808.1	2388.8	1257.1	567.2	417.5	392.3	390.5	390.5	375.1	351.7	347.2
57.5°	3173.3	2662.9	1273.3	514.9	402.2	391.4	394.1	395.0	380.5	358.0	353.5
60°	3184.1	2610.6	1178.6	477.9	388.7	391.4	397.7	399.5	389.6	374.2	371.5
62.5°	3287.8	2612.4	1051.5	430.1	379.6	389.6	400.4	406.7	407.6	398.6	396.8
65°	3325.7	2574.5	959.5	392.3	367.0	385.1	401.3	416.6	422.0	417.5	415.7
67.5°	3180.5	2400.5	834.1	367.0	354.4	377.8	400.4	419.3	431.0	433.7	433.7
70°	2989.3	2204.8	722.3	342.7	340.9	367.9	394.1	419.3	435.5	442.8	442.8
72.5°	2504.2	1810.7	596.1	317.4	322.8	352.6	380.5	411.2	429.2	435.5	432.8
75°	2094.8	1490.6	490.6	295.8	304.8	333.7	361.6	391.4	404.0	407.6	404.9
77.5°	1772.0	1239.9	403.1	275.9	283.2	309.3	334.6	355.3	363.4	361.6	357.1
80°	1428.4	967.6	330.9	251.6	258.8	279.5	297.6	313.8	321.9	317.4	314.7
82.5°	1137.1	769.2	282.3	229.9	232.7	249.8	262.4	275.0	288.6	285.0	277.7
85°	841.3	566.3	239.9	206.5	206.5	219.1	225.4	237.2	256.1	255.2	252.5
87.5°	575.3	403.1	203.8	183.1	182.2	189.4	193.0	205.6	229.9	230.9	228.1
90°	378.7	275.9	170.4	158.7	156.9	162.3	165.0	175.8	195.7	197.5	193.9
92.5°	246.2	191.2	139.8	134.4	133.5	138.0	137.1	144.3	157.8	156.9	154.2
95°	157.8	133.5	113.6	110.9	108.2	113.6	111.8	113.6	120.8	119.0	119.0
97.5°	109.1	101.9	93.8	89.3	87.5	92.9	91.1	91.1	94.7	91.1	89.3
100°	83.9	81.2	77.6	73.9	70.3	74.8	74.8	74.8	77.6	72.1	70.3
102.5°	64.9	64.0	64.0	61.3	58.6	62.2	63.1	64.0	63.1	57.7	56.8
105°	51.4	51.4	53.2	50.5	49.6	52.3	53.2	52.3	52.3	47.8	47.8
107.5°	40.6	42.4	44.2	42.4	42.4	44.2	44.2	44.2	42.4	39.7	40.6
110°	33.4	35.2	37.9	36.1	36.1	37.9	37.0	36.1	35.2	34.3	34.3



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CATALOG NUMBER: LXF.LXT-PA1-90-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	28.9	29.8	31.6	30.7	31.6	32.5	31.6	29.8	29.8	29.8	30.7
115°	24.3	26.2	28.0	27.1	27.1	28.0	26.2	25.2	25.2	26.2	26.2
117.5°	21.6	23.4	24.3	24.3	23.4	24.3	22.5	21.6	22.5	23.4	23.4
120°	19.8	20.7	21.6	21.6	20.7	20.7	19.8	18.9	19.8	20.7	21.6
122.5°	18.0	18.9	18.9	19.8	18.9	18.0	17.1	17.1	18.0	18.9	18.9
125°	16.2	17.1	17.1	17.1	17.1	16.2	15.3	15.3	16.2	17.1	18.0
127.5°	14.4	15.3	15.3	16.2	15.3	14.4	13.5	14.4	15.3	16.2	16.2
130°	14.4	14.4	14.4	14.4	13.5	12.6	12.6	12.6	14.4	15.3	15.3
132.5°	13.5	14.4	13.5	13.5	12.6	10.8	10.8	11.7	13.5	14.4	14.4
135°	12.6	12.6	11.7	11.7	10.8	9.9	9.0	10.8	11.7	12.6	12.6
137.5°	10.8	10.8	9.9	9.0	9.0	8.1	8.1	9.0	10.8	11.7	11.7
140°	8.1	9.0	8.1	7.2	7.2	6.3	7.2	8.1	9.9	9.9	9.9
142.5°	6.3	7.2	6.3	5.4	5.4	5.4	5.4	7.2	9.0	9.0	9.0
145°	5.4	5.4	5.4	4.5	3.6	3.6	4.5	6.3	8.1	8.1	8.1
147.5°	4.5	4.5	4.5	3.6	2.7	2.7	3.6	5.4	6.3	6.3	6.3
150°	3.6	3.6	3.6	3.6	2.7	1.8	2.7	4.5	5.4	5.4	5.4
152.5°	3.6	3.6	3.6	2.7	1.8	0.9	1.8	3.6	4.5	4.5	4.5
155°	2.7	2.7	2.7	2.7	1.8	0.9	0.9	2.7	3.6	3.6	3.6
157.5°	2.7	2.7	2.7	1.8	0.9	0.0	0.9	2.7	3.6	2.7	2.7
160°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	2.7	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)