

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: P413737

Luminaire Tested: **LXF.LXT-PA1-100-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413737
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-PA1-100-727-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 8084 lumens
Efficiency: N/A
Efficacy: 84.2 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: B2 - U3 - G2

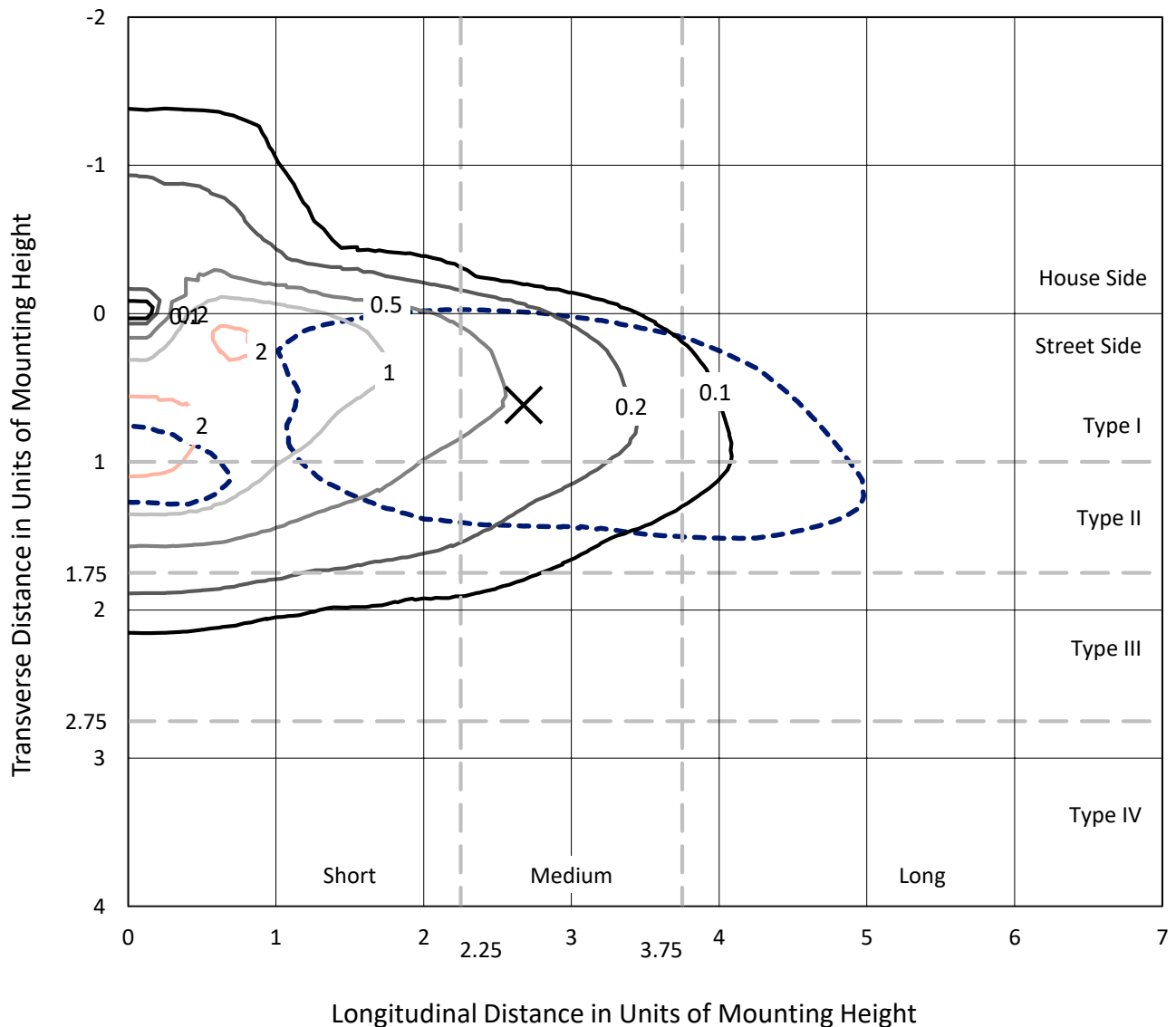
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

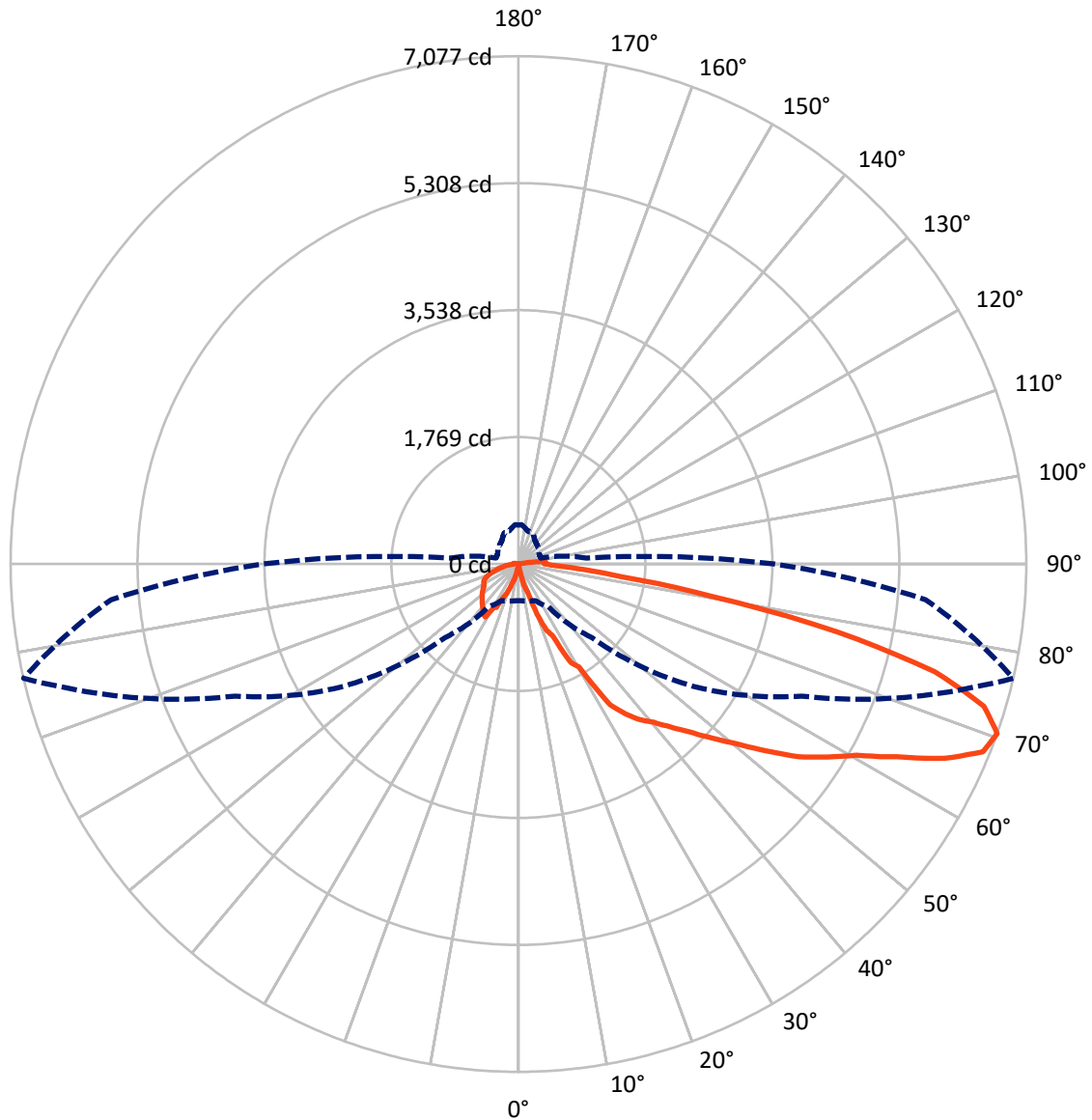
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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	1367.3	60.0	1427.3
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	6582.1	74.7	6656.8
	% Fixture	81.4	0.9	82.3
Total	Lumens	7949.4	134.7	8084.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	96.2	1.2
20°-30°	381.0	4.7
30°-40°	920.1	11.4
40°-50°	1488.1	18.4
50°-60°	1779.8	22.0
60°-70°	1740.5	21.5
70°-80°	1203.2	14.9
80°-90°	333.9	4.1
90°-100°	87.9	1.1
100°-110°	18.0	0.2
110°-120°	9.6	0.1
120°-130°	7.7	0.1
130°-140°	5.3	0.1
140°-150°	4.3	0.1
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7949.4	98.3
0°-180°	8084.0	100.0

Coefficient of Utilization



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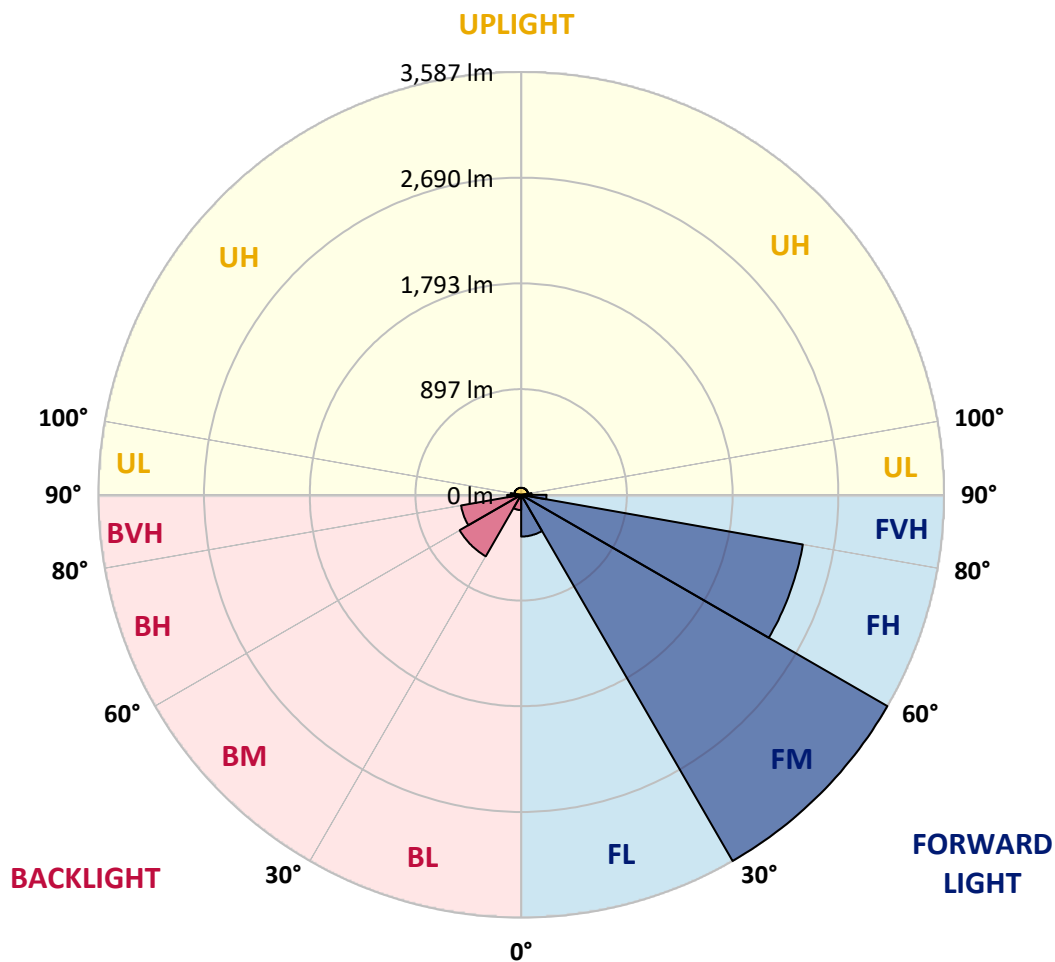
CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.2	4.4			
FM (30°-60°)	3586.6	44.4			
FH (60°-80°)	2426.1	30.0			G2/5000
FVH (80°-90°)	215.1	2.7			G2/225
BL (0°-30°)	129.5	1.6	B1/500		
BM (30°-60°)	601.4	7.4	B1/1000		
BH (60°-80°)	517.6	6.4	B2/1000		G2/1000
BVH (80°-90°)	118.8	1.5			G2/225
UL (90°-100°)	87.9	1.1		U3/500	
UH (100°-180°)	60.0	0.7		U3/500	

BUG Rating: B2-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	10.0	9.1	9.1	10.0	11.9	11.0	8.2	6.4	5.5	5.5	5.5
5°	198.1	191.7	187.2	132.4	29.2	17.3	11.0	8.2	6.4	6.4	5.5
7.5°	236.5	232.8	231.0	224.6	217.3	202.7	36.5	11.9	7.3	7.3	6.4
10°	267.5	264.8	261.1	257.5	247.4	237.4	217.3	30.1	11.9	11.9	10.0
12.5°	545.1	536.9	529.5	376.2	279.4	268.4	249.3	170.7	129.6	125.1	150.6
15°	559.7	559.7	559.7	564.2	556.0	299.5	408.1	511.3	337.8	326.9	337.8
17.5°	596.2	590.7	581.6	584.3	595.3	661.0	609.0	568.8	450.1	399.9	388.9
20°	892.0	887.4	890.2	825.4	634.5	832.7	827.2	640.9	731.3	741.4	722.2
22.5°	952.3	951.4	948.6	945.0	1084.7	883.8	951.4	1008.0	1021.7	1001.6	830.8
25°	1351.3	1341.2	1219.8	1028.1	1162.3	1063.7	1269.1	1117.5	1137.6	1102.0	1052.7
27.5°	1543.9	1522.9	1501.9	1444.4	1248.1	1421.6	1350.3	1473.6	1651.6	1556.7	1339.4
30°	2036.9	2048.8	1709.2	1690.0	1543.9	1507.4	1653.5	1732.0	1733.8	1664.4	1503.7
32.5°	2508.0	2476.1	2396.7	2055.2	1838.8	1688.2	1917.3	1844.3	2268.8	2334.6	2038.8
35°	2970.0	2907.9	2675.1	2443.2	2145.6	2080.8	2054.3	2309.0	2469.7	2563.7	2205.8
37.5°	3628.3	3583.6	3360.8	2754.6	2473.4	2239.6	2408.5	2457.8	2713.5	2753.6	2434.1
40°	3870.3	3840.1	3654.8	3179.1	2729.9	2499.8	2567.4	2636.8	2955.4	2899.7	2605.7
42.5°	4043.7	4032.8	3884.9	3401.0	3064.1	2758.2	2750.9	2786.5	3203.8	3101.5	2777.4
45°	4177.0	4161.5	4073.9	3543.4	3222.0	2918.0	2949.0	2970.9	3422.0	3332.5	2973.7
47.5°	4151.5	4157.9	4169.7	3720.5	3316.1	3074.1	3151.7	3129.8	3600.0	3621.0	3193.7
50°	3955.2	3968.0	4055.6	3791.7	3369.9	3201.9	3327.0	3306.9	3848.4	3936.0	3447.5
52.5°	3371.8	3392.8	3717.8	3681.3	3417.4	3302.4	3506.9	3511.4	4138.7	4324.9	3771.7
55°	2468.8	2548.2	2943.6	3315.2	3365.4	3334.3	3627.4	3770.7	4472.9	4741.3	4061.1
57.5°	1985.8	1969.4	2242.4	2783.8	3107.9	3295.1	3754.3	4001.7	4777.8	5075.4	4350.5
60°	1541.2	1546.6	1748.4	2136.5	2656.9	3198.3	3884.0	4209.9	5153.0	5411.4	4704.8
62.5°	1147.7	1158.6	1304.7	1536.6	2141.9	2928.0	3924.1	4470.1	5674.4	5919.1	5133.0
65°	833.6	851.8	931.3	1073.7	1547.6	2522.7	3801.8	4664.6	6252.3	6530.8	5590.4
67.5°	626.3	636.4	682.9	769.7	1105.7	2002.2	3499.6	4652.7	6542.7	6980.9	5786.7
70°	509.5	514.0	531.4	562.4	725.8	1451.7	2969.1	4353.2	6604.7	7076.8	5695.4
72.5°	432.8	430.9	431.9	436.4	501.2	992.4	2293.5	3792.7	6367.4	6785.5	5283.6
75°	369.8	367.0	367.0	362.5	387.1	696.6	1579.5	3061.3	5736.5	5995.8	4450.9
77.5°	315.0	310.4	309.5	300.4	311.3	518.6	1046.3	2279.8	4538.6	4543.2	3155.4
80°	268.4	260.2	256.6	250.2	262.9	395.3	682.9	1487.3	2776.5	2731.7	1751.2
82.5°	198.1	198.1	203.6	205.4	226.4	293.1	482.1	884.7	1515.6	1434.3	1015.3
85°	114.1	124.2	147.0	149.7	173.5	194.5	362.5	524.1	848.2	818.1	520.4
87.5°	42.0	40.2	61.2	64.8	73.0	73.0	197.2	287.6	444.6	462.9	409.9
90°	34.7	34.7	23.7	21.9	28.3	47.5	133.3	201.8	334.2	358.8	387.1
92.5°	36.5	36.5	23.7	21.0	26.5	42.0	112.3	190.8	350.6	384.4	399.9
95°	34.7	35.6	21.0	19.2	24.7	35.6	84.0	163.4	336.9	368.9	390.8
97.5°	30.1	31.0	17.3	16.4	21.9	25.6	45.7	81.3	168.0	174.4	180.8
100°	24.7	24.7	12.8	13.7	17.3	17.3	23.7	42.9	41.1	33.8	29.2
102.5°	21.0	22.8	11.9	11.0	12.8	11.0	11.0	16.4	24.7	21.0	28.3
105°	17.3	19.2	10.0	9.1	10.0	9.1	7.3	11.9	18.3	21.0	30.1
107.5°	11.9	12.8	7.3	8.2	8.2	8.2	5.5	9.1	17.3	20.1	31.0
110°	8.2	8.2	5.5	7.3	7.3	8.2	5.5	9.1	13.7	15.5	24.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.5	5.5	4.6	5.5	6.4	6.4	5.5	8.2	11.9	12.8	17.3
115°	4.6	4.6	3.7	4.6	5.5	5.5	4.6	7.3	11.9	13.7	18.3
117.5°	5.5	4.6	3.7	4.6	5.5	4.6	4.6	6.4	11.9	13.7	18.3
120°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	6.4	11.9	13.7	18.3
122.5°	6.4	5.5	4.6	4.6	4.6	4.6	4.6	5.5	11.0	12.8	17.3
125°	6.4	6.4	4.6	4.6	5.5	4.6	4.6	5.5	11.0	11.9	16.4
127.5°	7.3	6.4	5.5	4.6	5.5	4.6	4.6	5.5	10.0	11.0	14.6
130°	7.3	7.3	5.5	4.6	5.5	4.6	4.6	4.6	8.2	9.1	12.8
132.5°	7.3	7.3	6.4	5.5	6.4	5.5	4.6	4.6	6.4	7.3	10.0
135°	8.2	7.3	7.3	6.4	7.3	6.4	4.6	4.6	4.6	5.5	7.3
137.5°	8.2	8.2	8.2	7.3	8.2	6.4	4.6	4.6	4.6	4.6	5.5
140°	10.0	10.0	9.1	8.2	9.1	7.3	5.5	4.6	4.6	4.6	5.5
142.5°	11.9	11.9	11.0	10.0	9.1	7.3	6.4	5.5	5.5	5.5	5.5
145°	13.7	12.8	12.8	11.0	9.1	7.3	6.4	6.4	6.4	6.4	6.4
147.5°	13.7	13.7	12.8	10.0	8.2	5.5	5.5	7.3	7.3	7.3	7.3
150°	12.8	12.8	11.0	9.1	6.4	4.6	4.6	6.4	7.3	7.3	7.3
152.5°	10.0	9.1	8.2	5.5	4.6	2.7	3.7	4.6	5.5	5.5	6.4
155°	6.4	5.5	4.6	3.7	3.7	2.7	2.7	3.7	3.7	3.7	4.6
157.5°	2.7	2.7	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
160°	0.9	0.9	0.9	0.9	2.7	2.7	2.7	1.8	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
2.5°	5.5	5.5	5.5	5.5	5.5	4.6	5.5	6.4	7.3	7.3	7.3
5°	5.5	5.5	5.5	6.4	6.4	5.5	6.4	8.2	9.1	9.1	9.1
7.5°	6.4	5.5	6.4	7.3	7.3	7.3	32.0	92.2	102.3	104.1	105.9
10°	9.1	9.1	9.1	10.0	11.0	95.9	113.2	118.7	122.3	125.1	126.0
12.5°	138.8	121.4	75.8	20.1	96.8	118.7	125.1	134.2	138.8	144.3	142.4
15°	311.3	275.7	207.3	177.1	173.5	132.4	138.8	231.0	256.6	261.1	260.2
17.5°	352.4	303.1	231.0	246.5	256.6	199.0	233.7	258.4	262.9	267.5	266.6
20°	655.5	522.2	313.2	271.2	268.4	336.0	249.3	257.5	266.6	314.1	319.6
22.5°	727.7	600.8	409.9	397.2	324.1	341.5	325.0	329.6	357.9	357.9	356.1
25°	911.2	726.8	462.9	405.4	411.8	339.6	381.6	329.6	335.1	335.1	336.0
27.5°	1185.1	934.0	614.5	451.9	407.2	410.9	362.5	334.2	382.6	388.0	390.8
30°	1268.2	969.6	608.1	504.9	425.5	399.0	338.7	374.3	360.6	360.6	357.9
32.5°	1772.2	1323.0	756.9	493.9	436.4	370.7	375.2	352.4	346.0	374.3	374.3
35°	1871.7	1362.2	730.4	556.0	419.1	386.2	357.0	362.5	350.6	348.8	346.0
37.5°	1985.8	1389.6	671.1	522.2	442.8	370.7	368.9	355.2	339.6	361.6	365.2
40°	2094.5	1416.1	623.6	482.1	409.0	368.9	361.6	354.2	321.4	321.4	320.5
42.5°	2216.8	1433.4	580.7	450.1	376.2	369.8	349.7	326.9	304.9	311.3	309.5
45°	2343.7	1444.4	536.9	414.5	346.9	382.6	350.6	340.6	323.2	325.9	323.2
47.5°	2499.8	1462.6	498.5	379.8	328.7	350.6	331.4	326.9	336.9	327.8	333.2
50°	2666.0	1472.7	462.9	349.7	310.4	340.6	343.3	329.6	336.9	321.4	320.5
52.5°	2865.0	1481.8	424.6	329.6	307.7	338.7	359.7	345.1	332.3	312.3	310.4
55°	3040.3	1452.6	391.7	316.8	325.9	335.1	373.4	356.1	329.6	306.8	307.7
57.5°	3231.2	1415.2	365.2	311.3	322.3	328.7	392.6	371.6	341.5	342.4	343.3
60°	3428.4	1379.6	348.8	310.4	317.7	331.4	395.3	392.6	357.0	365.2	371.6
62.5°	3663.9	1351.3	346.0	316.8	334.2	346.0	398.1	426.4	395.3	399.0	400.8
65°	3848.4	1269.1	343.3	320.5	340.6	348.8	399.0	450.1	436.4	457.4	455.6
67.5°	3791.7	1117.5	338.7	324.1	345.1	363.4	398.1	467.5	465.6	514.0	509.5
70°	3560.8	949.5	324.1	319.6	346.9	370.7	399.0	472.0	480.2	548.7	544.2
72.5°	3171.8	766.0	297.6	306.8	347.9	379.8	410.9	472.9	482.1	578.9	565.2
75°	2654.1	619.0	258.4	277.6	358.8	385.3	413.6	463.8	463.8	555.1	537.8
77.5°	1910.0	476.6	222.8	252.0	355.2	381.6	405.4	442.8	436.4	480.2	463.8
80°	1113.0	351.5	189.9	247.4	333.2	374.3	382.6	390.8	360.6	370.7	360.6
82.5°	668.3	260.2	164.3	221.9	293.1	336.9	343.3	329.6	289.4	288.5	274.8
85°	400.8	178.0	120.5	171.6	231.0	281.2	288.5	250.2	212.7	234.6	210.0
87.5°	295.8	112.3	83.1	106.8	140.6	131.5	171.6	161.6	137.9	132.4	130.6
90°	266.6	85.8	68.5	86.7	95.0	81.3	87.6	87.6	71.2	70.3	66.6
92.5°	263.9	80.3	73.0	84.9	76.7	64.8	71.2	70.3	56.6	53.9	51.1
95°	246.5	72.1	73.0	76.7	67.6	53.0	57.5	53.9	40.2	37.4	34.7
97.5°	116.0	50.2	69.4	66.6	55.7	41.1	47.5	41.1	28.3	24.7	24.7
100°	27.4	42.9	59.3	60.3	44.7	31.0	32.9	26.5	18.3	15.5	15.5
102.5°	27.4	19.2	36.5	47.5	27.4	12.8	18.3	17.3	13.7	13.7	14.6
105°	27.4	18.3	18.3	31.0	16.4	8.2	8.2	11.0	11.9	15.5	17.3
107.5°	28.3	19.2	14.6	14.6	11.9	8.2	7.3	8.2	11.9	18.3	19.2
110°	23.7	17.3	13.7	12.8	11.9	8.2	6.4	8.2	11.9	20.1	21.9



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CATALOG NUMBER: LXF.LXT-PA1-100-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	15.5	11.9	11.9	10.0	8.2	6.4	7.3	12.8	21.9	23.7
115°	17.3	14.6	11.0	10.0	8.2	7.3	6.4	7.3	13.7	23.7	25.6
117.5°	18.3	14.6	10.0	9.1	7.3	5.5	5.5	7.3	13.7	24.7	26.5
120°	18.3	14.6	10.0	9.1	7.3	5.5	5.5	8.2	14.6	23.7	25.6
122.5°	17.3	14.6	10.0	9.1	7.3	4.6	5.5	7.3	13.7	22.8	24.7
125°	15.5	13.7	10.0	8.2	7.3	4.6	5.5	7.3	13.7	21.9	22.8
127.5°	14.6	12.8	9.1	8.2	6.4	4.6	5.5	7.3	12.8	20.1	21.0
130°	12.8	11.9	8.2	7.3	6.4	4.6	5.5	7.3	12.8	18.3	19.2
132.5°	10.0	9.1	7.3	6.4	6.4	4.6	5.5	6.4	10.0	15.5	16.4
135°	7.3	7.3	6.4	6.4	6.4	4.6	5.5	5.5	8.2	11.9	12.8
137.5°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	7.3	9.1	10.0
140°	5.5	5.5	5.5	6.4	5.5	4.6	4.6	5.5	6.4	7.3	8.2
142.5°	5.5	5.5	5.5	6.4	5.5	3.7	4.6	5.5	6.4	7.3	7.3
145°	6.4	6.4	6.4	6.4	5.5	3.7	3.7	5.5	6.4	7.3	7.3
147.5°	7.3	7.3	6.4	6.4	5.5	2.7	2.7	5.5	6.4	7.3	7.3
150°	7.3	7.3	6.4	6.4	4.6	2.7	2.7	4.6	6.4	6.4	6.4
152.5°	5.5	5.5	5.5	5.5	4.6	1.8	1.8	3.7	5.5	5.5	5.5
155°	4.6	4.6	4.6	4.6	3.7	1.8	0.9	2.7	4.6	4.6	4.6
157.5°	2.7	3.7	3.7	4.6	3.7	1.8	0.9	1.8	3.7	3.7	3.7
160°	1.8	2.7	2.7	3.7	3.7	1.8	0.9	1.8	2.7	2.7	2.7
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)