

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: P417117

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417117
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-PA1-90-730-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA 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: 8694 lumens
Efficiency: N/A
Efficacy: 92.5 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 - 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

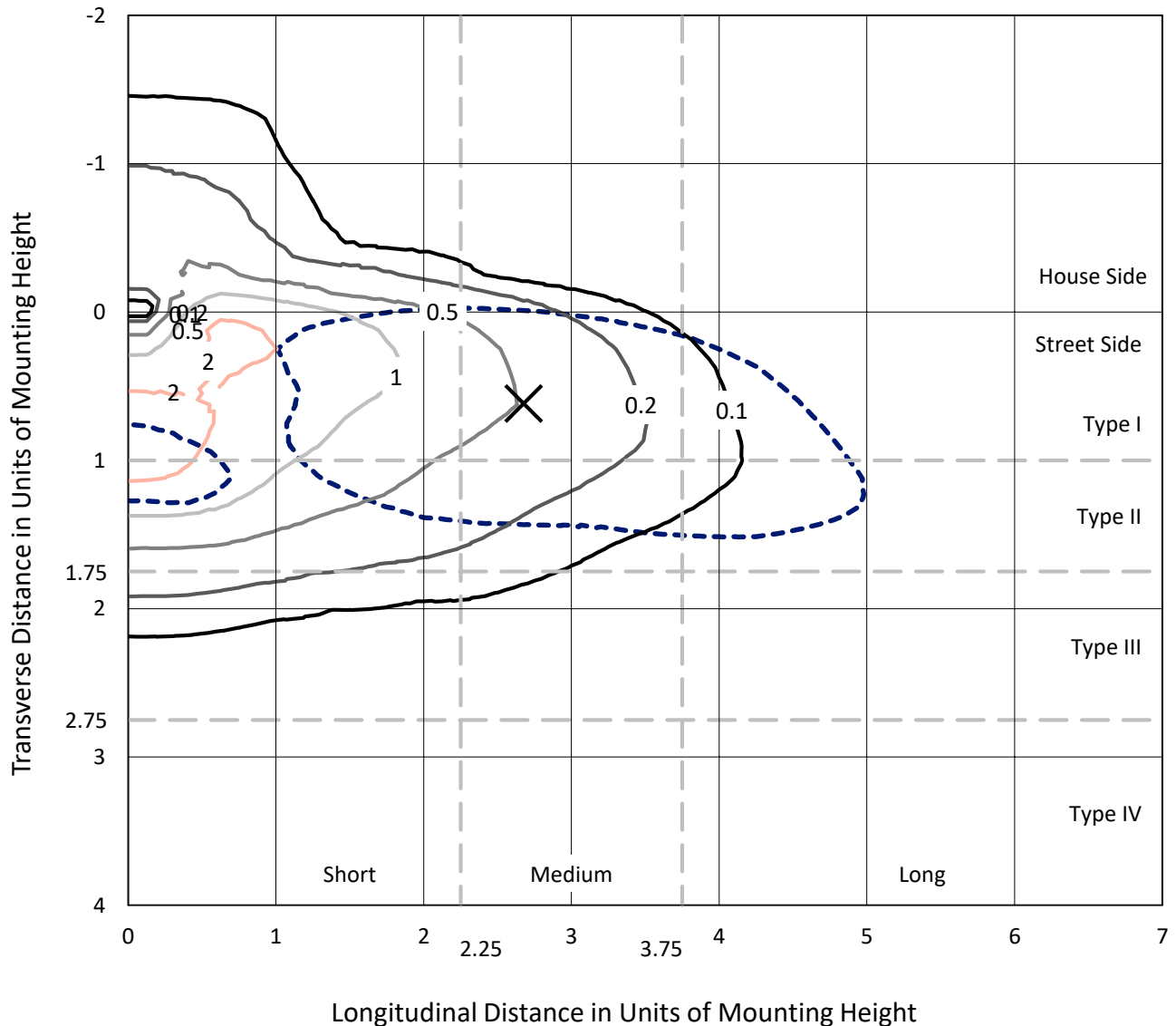


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

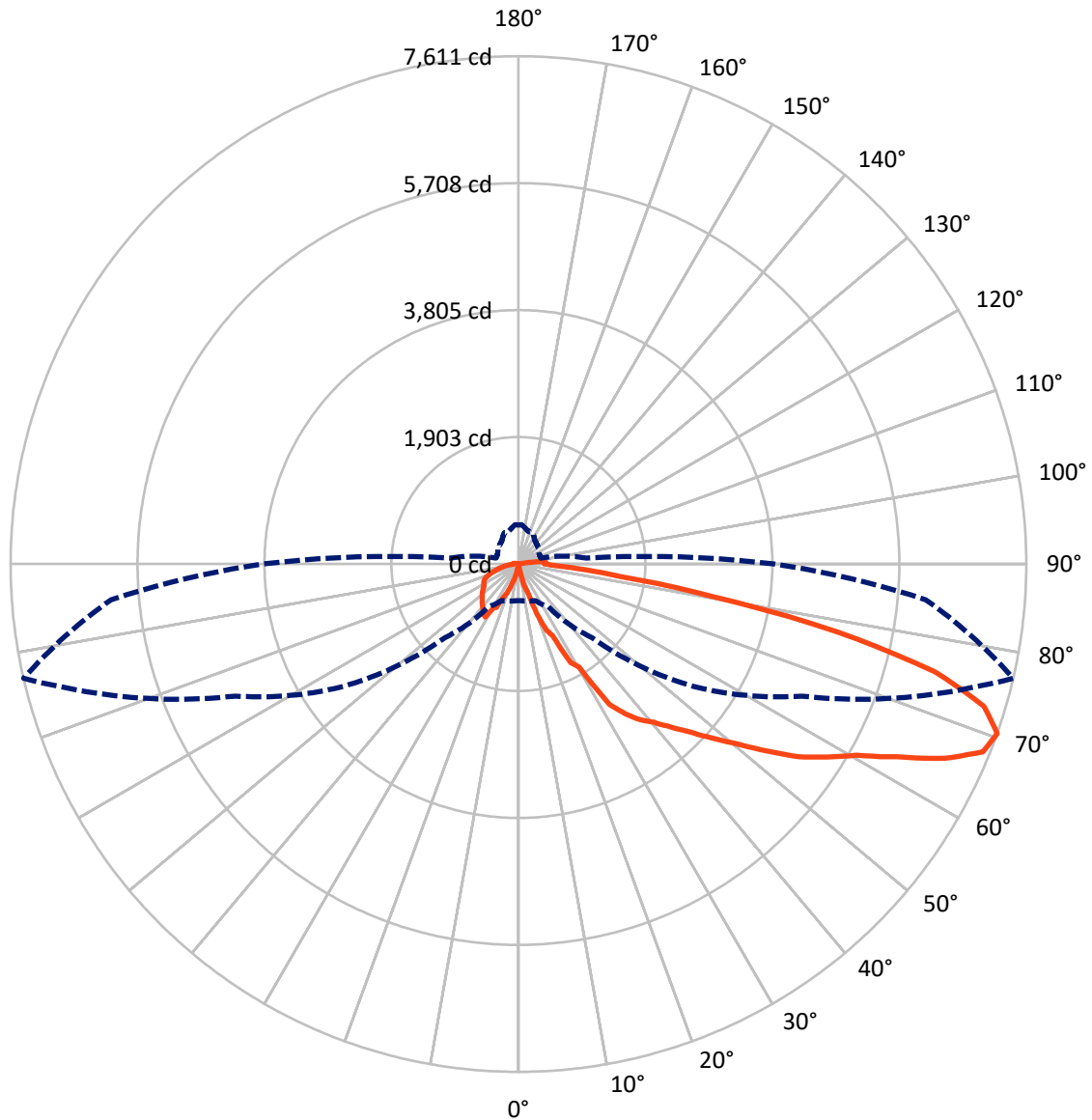


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - Non-Cutoff

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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	1470.5	64.5	1535.0
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	7078.7	80.3	7159.1
	% Fixture	81.4	0.9	82.3
Total	Lumens	8549.2	144.8	8694.0
	% Fixture	98.3	1.7	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	103.4	1.2
20°-30°	409.7	4.7
30°-40°	989.5	11.4
40°-50°	1600.4	18.4
50°-60°	1914.1	22.0
60°-70°	1871.9	21.5
70°-80°	1294.0	14.9
80°-90°	359.1	4.1
90°-100°	94.5	1.1
100°-110°	19.3	0.2
110°-120°	10.3	0.1
120°-130°	8.3	0.1
130°-140°	5.6	0.1
140°-150°	4.7	0.1
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8549.2	98.3
0°-180°	8694.0	100.0



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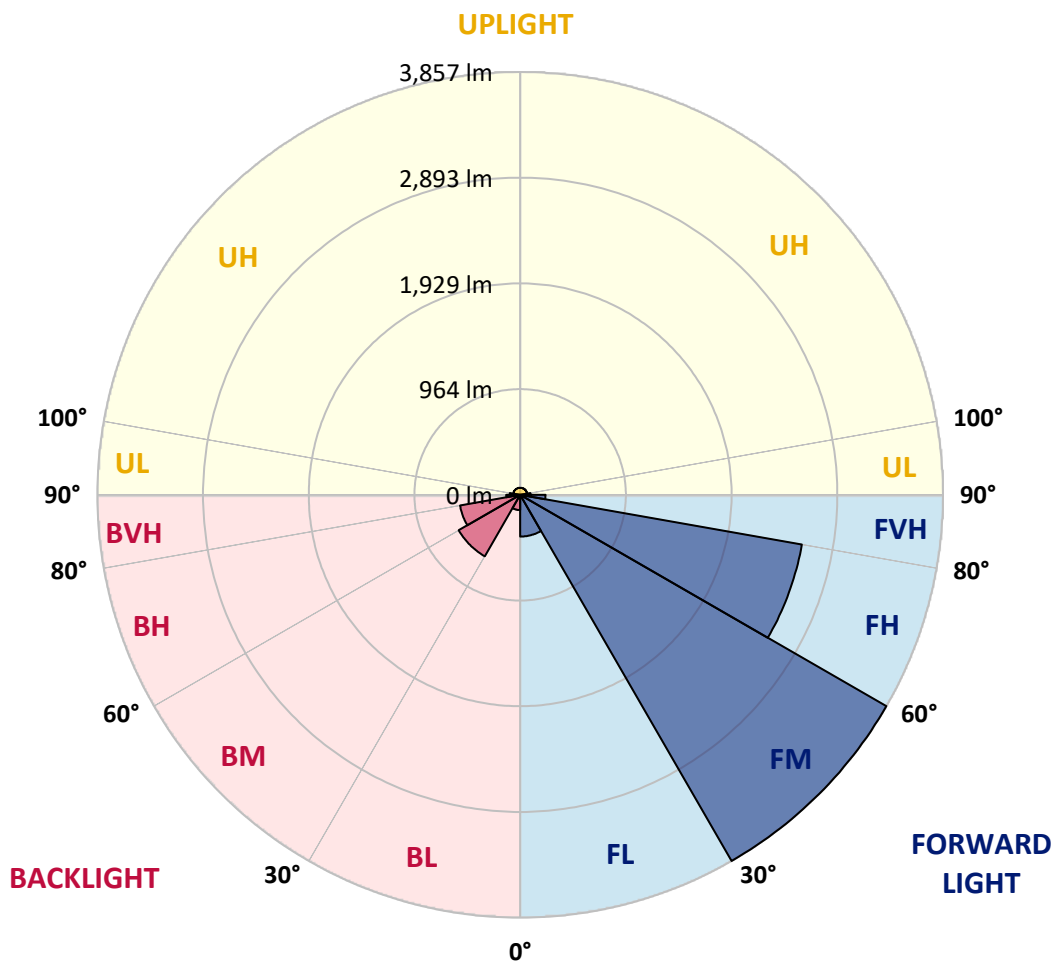
CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	380.9	4.4			
FM	(30°-60°)	3857.3	44.4			
FH	(60°-80°)	2609.2	30.0			G2/5000
FVH	(80°-90°)	231.4	2.7			G3/500
BL	(0°-30°)	139.2	1.6	B1/500		
BM	(30°-60°)	646.8	7.4	B1/1000		
BH	(60°-80°)	556.7	6.4	B2/1000		G2/1000
BVH	(80°-90°)	127.7	1.5			G2/225
UL	(90°-100°)	94.5	1.1		U3/500	
UH	(100°-180°)	64.5	0.7		U3/500	

BUG Rating: B2-U3-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	10.8	9.8	9.8	10.8	12.8	11.8	8.8	6.9	5.9	5.9	5.9
5°	213.1	206.2	201.3	142.4	31.4	18.7	11.8	8.8	6.9	6.9	5.9
7.5°	254.3	250.4	248.4	241.5	233.7	218.0	39.3	12.8	7.9	7.9	6.9
10°	287.7	284.8	280.8	276.9	266.1	255.3	233.7	32.4	12.8	12.8	10.8
12.5°	586.2	577.4	569.5	404.5	300.5	288.7	268.1	183.6	139.4	134.5	162.0
15°	601.9	601.9	601.9	606.8	598.0	322.1	438.9	549.9	363.3	351.5	363.3
17.5°	641.2	635.3	625.5	628.4	640.2	710.9	654.9	611.7	484.1	430.1	418.3
20°	959.3	954.4	957.4	887.6	682.4	895.5	889.6	689.3	786.5	797.3	776.7
22.5°	1024.1	1023.1	1020.2	1016.3	1166.5	950.5	1023.1	1084.0	1098.8	1077.2	893.5
25°	1453.2	1442.4	1311.8	1105.6	1250.0	1143.9	1364.9	1201.9	1223.5	1185.2	1132.1
27.5°	1660.4	1637.8	1615.2	1553.4	1342.3	1528.8	1452.2	1584.8	1776.3	1674.2	1440.5
30°	2190.6	2203.4	1838.1	1817.5	1660.4	1621.1	1778.2	1862.7	1864.6	1790.0	1617.2
32.5°	2697.3	2662.9	2577.5	2210.3	1977.6	1815.5	2062.0	1983.5	2440.0	2510.7	2192.6
35°	3194.1	3127.4	2877.0	2627.6	2307.5	2237.8	2209.3	2483.2	2656.1	2757.2	2372.3
37.5°	3902.1	3854.0	3614.4	2962.4	2660.0	2408.6	2590.3	2643.3	2918.2	2961.4	2617.8
40°	4162.3	4129.9	3930.6	3419.0	2935.9	2688.5	2761.1	2835.7	3178.4	3118.5	2802.4
42.5°	4348.9	4337.1	4178.0	3657.6	3295.3	2966.3	2958.5	2996.8	3445.5	3335.5	2987.0
45°	4492.2	4475.5	4381.3	3810.8	3465.1	3138.2	3171.6	3195.1	3680.2	3584.0	3198.1
47.5°	4464.7	4471.6	4484.4	4001.3	3566.3	3306.1	3389.5	3366.0	3871.7	3894.2	3434.7
50°	4253.6	4267.4	4361.6	4077.9	3624.2	3443.5	3578.1	3556.5	4138.7	4233.0	3707.7
52.5°	3626.2	3648.8	3998.3	3959.0	3675.3	3551.6	3771.5	3776.4	4451.0	4651.3	4056.3
55°	2655.1	2740.5	3165.7	3565.3	3619.3	3585.9	3901.1	4055.3	4810.4	5099.0	4367.5
57.5°	2135.6	2118.0	2411.6	2993.8	3342.4	3543.7	4037.6	4303.7	5138.3	5458.4	4678.8
60°	1657.5	1663.4	1880.4	2297.7	2857.3	3439.6	4177.0	4527.6	5541.9	5819.8	5059.8
62.5°	1234.3	1246.0	1403.1	1652.5	2303.6	3149.0	4220.2	4807.4	6102.6	6365.7	5520.3
65°	896.5	916.1	1001.5	1154.7	1664.3	2713.0	4088.7	5016.6	6724.1	7023.6	6012.2
67.5°	673.6	684.4	734.5	827.7	1189.1	2153.3	3763.6	5003.8	7036.3	7507.7	6223.3
70°	547.9	552.8	571.5	604.9	780.6	1561.2	3193.2	4681.7	7103.1	7610.8	6125.1
72.5°	465.4	463.5	464.4	469.4	539.1	1067.3	2466.6	4078.8	6847.8	7297.5	5682.3
75°	397.7	394.7	394.7	389.8	416.3	749.2	1698.7	3292.3	6169.3	6448.2	4786.8
77.5°	338.8	333.8	332.9	323.0	334.8	557.7	1125.3	2451.8	4881.1	4886.0	3393.5
80°	288.7	279.8	275.9	269.0	282.8	425.2	734.5	1599.5	2986.0	2937.9	1883.3
82.5°	213.1	213.1	219.0	220.9	243.5	315.2	518.4	951.5	1630.0	1542.6	1091.9
85°	122.7	133.5	158.1	161.0	186.6	209.1	389.8	563.6	912.2	879.8	559.7
87.5°	45.2	43.2	65.8	69.7	78.6	78.6	212.1	309.3	478.2	497.8	440.9
90°	37.3	37.3	25.5	23.6	30.4	51.1	143.4	217.0	359.4	385.9	416.3
92.5°	39.3	39.3	25.5	22.6	28.5	45.2	120.8	205.2	377.1	413.4	430.1
95°	37.3	38.3	22.6	20.6	26.5	38.3	90.3	175.8	362.3	396.7	420.3
97.5°	32.4	33.4	18.7	17.7	23.6	27.5	49.1	87.4	180.7	187.5	194.4
100°	26.5	26.5	13.7	14.7	18.7	18.7	25.5	46.1	44.2	36.3	31.4
102.5°	22.6	24.5	12.8	11.8	13.7	11.8	11.8	17.7	26.5	22.6	30.4
105°	18.7	20.6	10.8	9.8	10.8	9.8	7.9	12.8	19.6	22.6	32.4
107.5°	12.8	13.7	7.9	8.8	8.8	8.8	5.9	9.8	18.7	21.6	33.4
110°	8.8	8.8	5.9	7.9	7.9	8.8	5.9	9.8	14.7	16.7	26.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.9	5.9	4.9	5.9	6.9	6.9	5.9	8.8	12.8	13.7	18.7
115°	4.9	4.9	3.9	4.9	5.9	5.9	4.9	7.9	12.8	14.7	19.6
117.5°	5.9	4.9	3.9	4.9	5.9	4.9	4.9	6.9	12.8	14.7	19.6
120°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	6.9	12.8	14.7	19.6
122.5°	6.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9	11.8	13.7	18.7
125°	6.9	6.9	4.9	4.9	5.9	4.9	4.9	5.9	11.8	12.8	17.7
127.5°	7.9	6.9	5.9	4.9	5.9	4.9	4.9	5.9	10.8	11.8	15.7
130°	7.9	7.9	5.9	4.9	5.9	4.9	4.9	4.9	8.8	9.8	13.7
132.5°	7.9	7.9	6.9	5.9	6.9	5.9	4.9	4.9	6.9	7.9	10.8
135°	8.8	7.9	7.9	6.9	7.9	6.9	4.9	4.9	4.9	5.9	7.9
137.5°	8.8	8.8	8.8	7.9	8.8	6.9	4.9	4.9	4.9	4.9	5.9
140°	10.8	10.8	9.8	8.8	9.8	7.9	5.9	4.9	4.9	4.9	5.9
142.5°	12.8	12.8	11.8	10.8	9.8	7.9	6.9	5.9	5.9	5.9	5.9
145°	14.7	13.7	13.7	11.8	9.8	7.9	6.9	6.9	6.9	6.9	6.9
147.5°	14.7	14.7	13.7	10.8	8.8	5.9	5.9	7.9	7.9	7.9	7.9
150°	13.7	13.7	11.8	9.8	6.9	4.9	4.9	6.9	7.9	7.9	7.9
152.5°	10.8	9.8	8.8	5.9	4.9	2.9	3.9	4.9	5.9	5.9	6.9
155°	6.9	5.9	4.9	3.9	3.9	2.9	2.9	3.9	3.9	3.9	4.9
157.5°	2.9	2.9	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9
160°	1.0	1.0	1.0	1.0	2.9	2.9	2.9	2.0	2.0	2.0	2.0
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
2.5°	5.9	5.9	5.9	5.9	5.9	4.9	5.9	6.9	7.9	7.9	7.9
5°	5.9	5.9	5.9	6.9	6.9	5.9	6.9	8.8	9.8	9.8	9.8
7.5°	6.9	5.9	6.9	7.9	7.9	7.9	34.4	99.2	110.0	111.9	113.9
10°	9.8	9.8	9.8	10.8	11.8	103.1	121.8	127.6	131.6	134.5	135.5
12.5°	149.2	130.6	81.5	21.6	104.1	127.6	134.5	144.3	149.2	155.1	153.2
15°	334.8	296.5	222.9	190.5	186.6	142.4	149.2	248.4	275.9	280.8	279.8
17.5°	379.0	326.0	248.4	265.1	275.9	214.1	251.4	277.9	282.8	287.7	286.7
20°	705.0	561.7	336.8	291.6	288.7	361.3	268.1	276.9	286.7	337.8	343.7
22.5°	782.6	646.1	440.9	427.1	348.6	367.2	349.6	354.5	384.9	384.9	382.9
25°	979.9	781.6	497.8	436.0	442.8	365.3	410.4	354.5	360.4	360.4	361.3
27.5°	1274.5	1004.5	660.8	486.0	437.9	441.9	389.8	359.4	411.4	417.3	420.3
30°	1363.9	1042.8	654.0	543.0	457.6	429.1	364.3	402.6	387.9	387.9	384.9
32.5°	1905.9	1422.8	814.0	531.2	469.4	398.7	403.6	379.0	372.1	402.6	402.6
35°	2012.9	1465.0	785.5	598.0	450.7	415.3	383.9	389.8	377.1	375.1	372.1
37.5°	2135.6	1494.5	721.7	561.7	476.2	398.7	396.7	382.0	365.3	388.8	392.8
40°	2252.5	1522.9	670.6	518.4	439.9	396.7	388.8	381.0	345.6	345.6	344.6
42.5°	2384.1	1541.6	624.5	484.1	404.5	397.7	376.1	351.5	328.0	334.8	332.9
45°	2520.6	1553.4	577.4	445.8	373.1	411.4	377.1	366.3	347.6	350.5	347.6
47.5°	2688.5	1573.0	536.1	408.5	353.5	377.1	356.4	351.5	362.3	352.5	358.4
50°	2867.2	1583.8	497.8	376.1	333.8	366.3	369.2	354.5	362.3	345.6	344.6
52.5°	3081.2	1593.6	456.6	354.5	330.9	364.3	386.9	371.2	357.4	335.8	333.8
55°	3269.8	1562.2	421.2	340.7	350.5	360.4	401.6	382.9	354.5	329.9	330.9
57.5°	3475.0	1522.0	392.8	334.8	346.6	353.5	422.2	399.6	367.2	368.2	369.2
60°	3687.1	1483.7	375.1	333.8	341.7	356.4	425.2	422.2	383.9	392.8	399.6
62.5°	3940.4	1453.2	372.1	340.7	359.4	372.1	428.1	458.6	425.2	429.1	431.1
65°	4138.7	1364.9	369.2	344.6	366.3	375.1	429.1	484.1	469.4	491.9	490.0
67.5°	4077.9	1201.9	364.3	348.6	371.2	390.8	428.1	502.7	500.8	552.8	547.9
70°	3829.4	1021.2	348.6	343.7	373.1	398.7	429.1	507.6	516.5	590.1	585.2
72.5°	3411.1	823.8	320.1	329.9	374.1	408.5	441.9	508.6	518.4	622.5	607.8
75°	2854.4	665.7	277.9	298.5	385.9	414.4	444.8	498.8	498.8	597.0	578.3
77.5°	2054.1	512.6	239.6	271.0	382.0	410.4	436.0	476.2	469.4	516.5	498.8
80°	1196.9	378.0	204.2	266.1	358.4	402.6	411.4	420.3	387.9	398.7	387.9
82.5°	718.8	279.8	176.7	238.6	315.2	362.3	369.2	354.5	311.3	310.3	295.6
85°	431.1	191.5	129.6	184.6	248.4	302.4	310.3	269.0	228.8	252.4	225.8
87.5°	318.1	120.8	89.4	114.9	151.2	141.4	184.6	173.8	148.3	142.4	140.4
90°	286.7	92.3	73.6	93.3	102.1	87.4	94.3	94.3	76.6	75.6	71.7
92.5°	283.8	86.4	78.6	91.3	82.5	69.7	76.6	75.6	60.9	57.9	55.0
95°	265.1	77.6	78.6	82.5	72.7	57.0	61.9	57.9	43.2	40.3	37.3
97.5°	124.7	54.0	74.6	71.7	59.9	44.2	51.1	44.2	30.4	26.5	26.5
100°	29.5	46.1	63.8	64.8	48.1	33.4	35.3	28.5	19.6	16.7	16.7
102.5°	29.5	20.6	39.3	51.1	29.5	13.7	19.6	18.7	14.7	14.7	15.7
105°	29.5	19.6	19.6	33.4	17.7	8.8	8.8	11.8	12.8	16.7	18.7
107.5°	30.4	20.6	15.7	15.7	12.8	8.8	7.9	8.8	12.8	19.6	20.6
110°	25.5	18.7	14.7	13.7	12.8	8.8	6.9	8.8	12.8	21.6	23.6



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CATALOG NUMBER: LXF.LXT-PA1-90-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.7	16.7	12.8	12.8	10.8	8.8	6.9	7.9	13.7	23.6	25.5
115°	18.7	15.7	11.8	10.8	8.8	7.9	6.9	7.9	14.7	25.5	27.5
117.5°	19.6	15.7	10.8	9.8	7.9	5.9	5.9	7.9	14.7	26.5	28.5
120°	19.6	15.7	10.8	9.8	7.9	5.9	5.9	8.8	15.7	25.5	27.5
122.5°	18.7	15.7	10.8	9.8	7.9	4.9	5.9	7.9	14.7	24.5	26.5
125°	16.7	14.7	10.8	8.8	7.9	4.9	5.9	7.9	14.7	23.6	24.5
127.5°	15.7	13.7	9.8	8.8	6.9	4.9	5.9	7.9	13.7	21.6	22.6
130°	13.7	12.8	8.8	7.9	6.9	4.9	5.9	7.9	13.7	19.6	20.6
132.5°	10.8	9.8	7.9	6.9	6.9	4.9	5.9	6.9	10.8	16.7	17.7
135°	7.9	7.9	6.9	6.9	6.9	4.9	5.9	5.9	8.8	12.8	13.7
137.5°	5.9	5.9	5.9	6.9	5.9	4.9	4.9	5.9	7.9	9.8	10.8
140°	5.9	5.9	5.9	6.9	5.9	4.9	4.9	5.9	6.9	7.9	8.8
142.5°	5.9	5.9	5.9	6.9	5.9	3.9	4.9	5.9	6.9	7.9	7.9
145°	6.9	6.9	6.9	6.9	5.9	3.9	3.9	5.9	6.9	7.9	7.9
147.5°	7.9	7.9	6.9	6.9	5.9	2.9	2.9	5.9	6.9	7.9	7.9
150°	7.9	7.9	6.9	6.9	4.9	2.9	2.9	4.9	6.9	6.9	6.9
152.5°	5.9	5.9	5.9	5.9	4.9	2.0	2.0	3.9	5.9	5.9	5.9
155°	4.9	4.9	4.9	4.9	3.9	2.0	1.0	2.9	4.9	4.9	4.9
157.5°	2.9	3.9	3.9	4.9	3.9	2.0	1.0	2.0	3.9	3.9	3.9
160°	2.0	2.9	2.9	3.9	3.9	2.0	1.0	2.0	2.9	2.9	2.9
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)