

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: P415921

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415921
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-PA1-60-740-U-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 7223 lumens
Efficiency: N/A
Efficacy: 112.9 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: B1 - U3 - G2

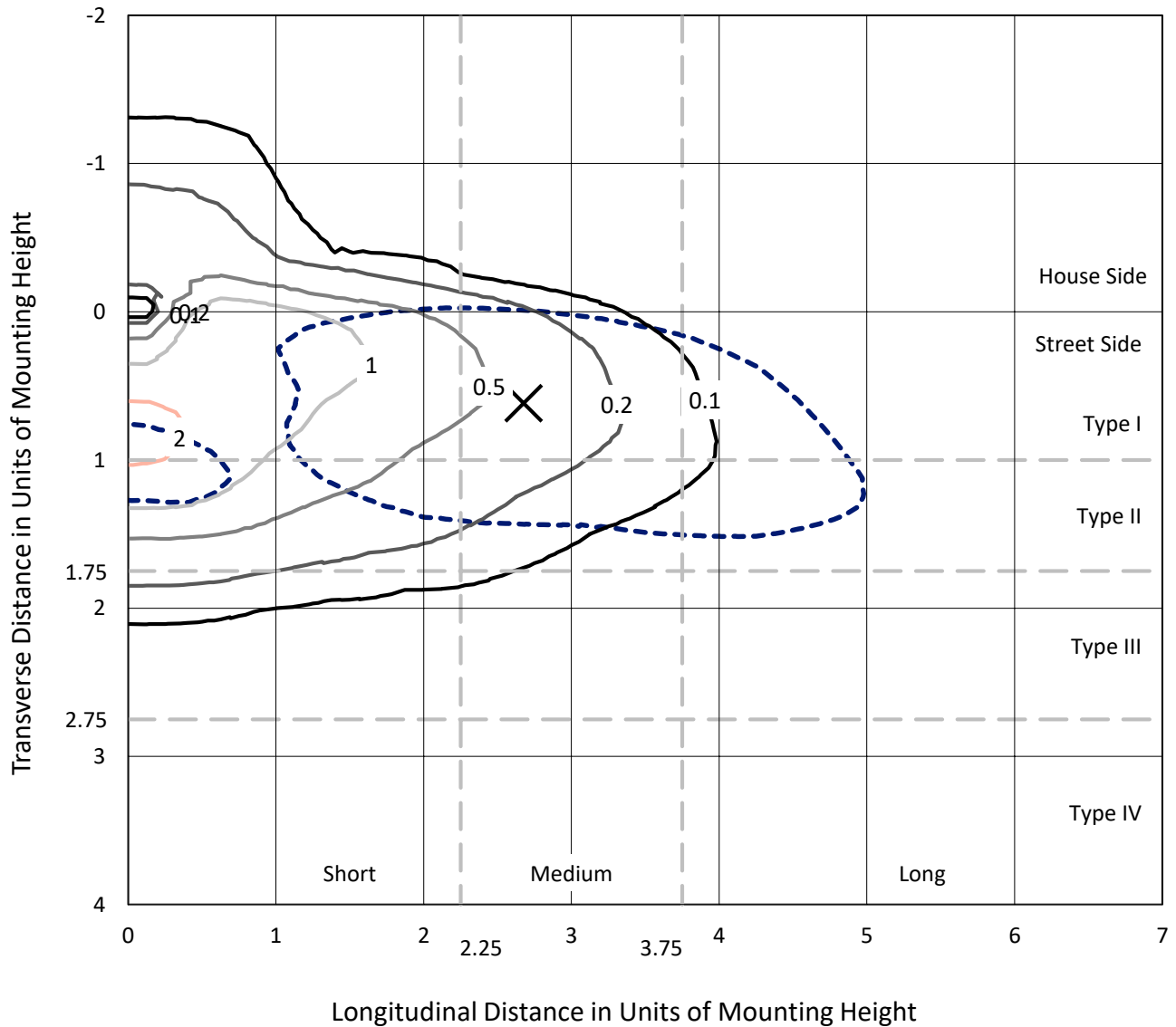
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

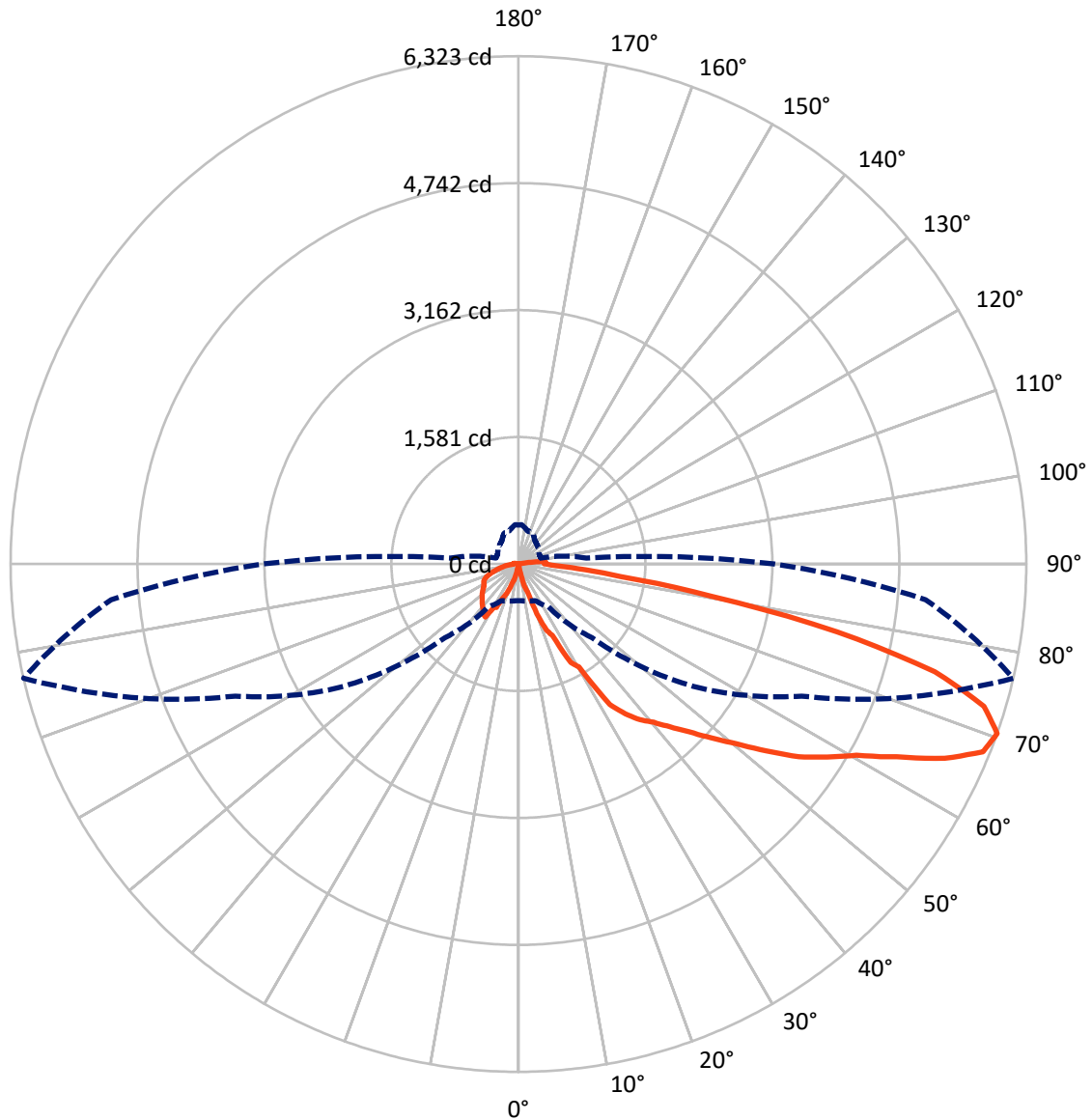


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - Non-Cutoff

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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	1221.7	53.6	1275.2
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	5881.0	66.7	5947.8
	% Fixture	81.4	0.9	82.3
Total	Lumens	7102.7	120.3	7223.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	85.9	1.2
20°-30°	340.4	4.7
30°-40°	822.1	11.4
40°-50°	1329.6	18.4
50°-60°	1590.3	22.0
60°-70°	1555.1	21.5
70°-80°	1075.1	14.9
80°-90°	298.3	4.1
90°-100°	78.5	1.1
100°-110°	16.1	0.2
110°-120°	8.6	0.1
120°-130°	6.9	0.1
130°-140°	4.7	0.1
140°-150°	3.9	0.1
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7102.7	98.3
0°-180°	7223.0	100.0

Coefficient of Utilization



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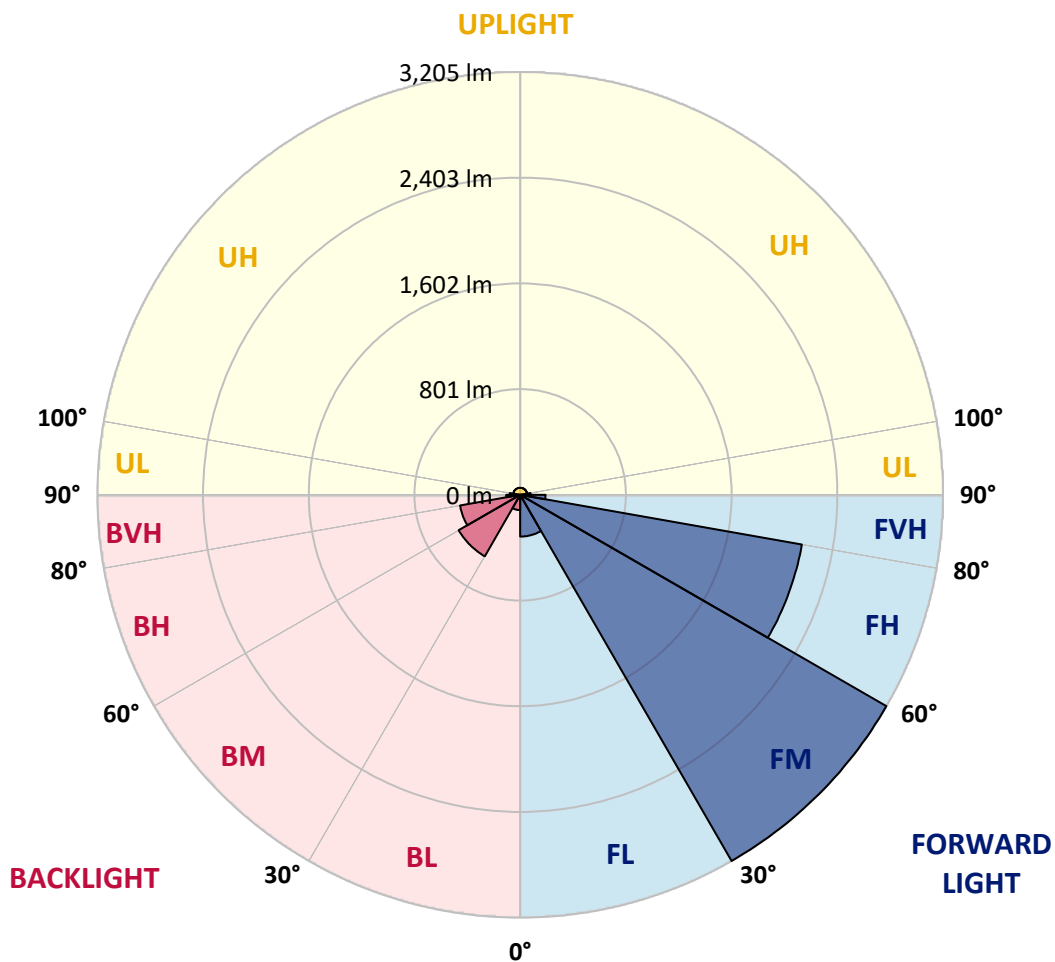
CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.5	4.4			
FM (30°-60°)	3204.6	44.4			
FH (60°-80°)	2167.7	30.0			G2/5000
FVH (80°-90°)	192.2	2.7			G2/225
BL (0°-30°)	115.7	1.6	B1/500		
BM (30°-60°)	537.4	7.4	B1/1000		
BH (60°-80°)	462.5	6.4	B1/500		G1/500
BVH (80°-90°)	106.1	1.5			G2/225
UL (90°-100°)	78.5	1.1		U3/500	
UH (100°-180°)	53.6	0.7		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	9.0	8.2	8.2	9.0	10.6	9.8	7.3	5.7	4.9	4.9	4.9
5°	177.0	171.3	167.2	118.3	26.1	15.5	9.8	7.3	5.7	5.7	4.9
7.5°	211.3	208.0	206.4	200.7	194.2	181.1	32.6	10.6	6.5	6.5	5.7
10°	239.0	236.6	233.3	230.0	221.1	212.1	194.2	26.9	10.6	10.6	9.0
12.5°	487.0	479.7	473.1	336.1	249.6	239.8	222.7	152.5	115.8	111.8	134.6
15°	500.1	500.1	500.1	504.1	496.8	267.6	364.6	456.8	301.8	292.0	301.8
17.5°	532.7	527.8	519.6	522.1	531.9	590.6	544.1	508.2	402.2	357.3	347.5
20°	797.0	792.9	795.4	737.5	567.0	744.0	739.1	572.7	653.4	662.4	645.3
22.5°	850.8	850.0	847.6	844.3	969.1	789.7	850.0	900.6	912.8	894.9	742.4
25°	1207.3	1198.4	1089.9	918.6	1038.5	950.4	1133.9	998.5	1016.5	984.6	940.6
27.5°	1379.5	1360.7	1341.9	1290.5	1115.2	1270.2	1206.5	1316.7	1475.7	1390.9	1196.7
30°	1820.0	1830.6	1527.1	1510.0	1379.5	1346.8	1477.4	1547.5	1549.1	1487.2	1343.6
32.5°	2240.9	2212.4	2141.4	1836.3	1643.0	1508.4	1713.1	1647.9	2027.2	2085.9	1821.6
35°	2653.7	2598.2	2390.2	2183.0	1917.1	1859.1	1835.5	2063.1	2206.7	2290.7	1970.9
37.5°	3241.9	3201.9	3002.9	2461.2	2209.9	2001.1	2152.0	2196.1	2424.5	2460.4	2174.8
40°	3458.1	3431.1	3265.5	2840.5	2439.2	2233.6	2293.9	2355.9	2640.7	2590.9	2328.2
42.5°	3613.1	3603.3	3471.1	3038.7	2737.7	2464.4	2457.9	2489.7	2862.5	2771.2	2481.6
45°	3732.2	3718.3	3640.0	3166.0	2878.9	2607.2	2634.9	2654.5	3057.5	2977.6	2657.0
47.5°	3709.3	3715.0	3725.6	3324.3	2962.9	2746.7	2816.0	2796.5	3216.6	3235.3	2853.6
50°	3533.9	3545.3	3623.7	3387.9	3011.0	2860.9	2972.7	2954.7	3438.5	3516.8	3080.4
52.5°	3012.6	3031.4	3321.8	3289.2	3053.4	2950.6	3133.4	3137.5	3697.9	3864.3	3370.0
55°	2205.8	2276.8	2630.0	2962.1	3006.9	2979.2	3241.1	3369.1	3996.5	4236.3	3628.6
57.5°	1774.3	1759.6	2003.5	2487.3	2776.9	2944.1	3354.5	3575.5	4268.9	4534.9	3887.1
60°	1377.0	1381.9	1562.2	1908.9	2373.9	2857.6	3470.3	3761.5	4604.2	4835.1	4203.7
62.5°	1025.4	1035.2	1165.7	1372.9	1913.8	2616.2	3506.2	3994.0	5070.0	5288.6	4586.3
65°	744.8	761.1	832.1	959.3	1382.7	2254.0	3396.9	4167.8	5586.4	5835.2	4995.0
67.5°	559.6	568.6	610.2	687.7	987.9	1789.0	3126.9	4157.2	5845.8	6237.4	5170.4
70°	455.2	459.3	474.8	502.5	648.5	1297.1	2652.9	3889.6	5901.3	6323.0	5088.8
72.5°	386.7	385.0	385.9	389.9	447.9	886.7	2049.2	3388.7	5689.2	6062.8	4720.9
75°	330.4	327.9	327.9	323.9	345.9	622.4	1411.3	2735.3	5125.5	5357.2	3976.9
77.5°	281.4	277.4	276.5	268.4	278.2	463.4	934.9	2037.0	4055.2	4059.3	2819.3
80°	239.8	232.5	229.2	223.5	234.9	353.2	610.2	1328.9	2480.8	2440.8	1564.6
82.5°	177.0	177.0	181.9	183.5	202.3	261.9	430.7	790.5	1354.2	1281.6	907.1
85°	102.0	110.9	131.3	133.8	155.0	173.8	323.9	468.3	757.9	730.9	465.0
87.5°	37.5	35.9	54.7	57.9	65.3	65.3	176.2	257.0	397.3	413.6	366.3
90°	31.0	31.0	21.2	19.6	25.3	42.4	119.1	180.3	298.6	320.6	345.9
92.5°	32.6	32.6	21.2	18.8	23.7	37.5	100.3	170.5	313.3	343.4	357.3
95°	31.0	31.8	18.8	17.1	22.0	31.8	75.1	146.0	301.0	329.6	349.2
97.5°	26.9	27.7	15.5	14.7	19.6	22.8	40.8	72.6	150.1	155.8	161.5
100°	22.0	22.0	11.4	12.2	15.5	15.5	21.2	38.3	36.7	30.2	26.1
102.5°	18.8	20.4	10.6	9.8	11.4	9.8	9.8	14.7	22.0	18.8	25.3
105°	15.5	17.1	9.0	8.2	9.0	8.2	6.5	10.6	16.3	18.8	26.9
107.5°	10.6	11.4	6.5	7.3	7.3	7.3	4.9	8.2	15.5	17.9	27.7
110°	7.3	7.3	4.9	6.5	6.5	7.3	4.9	8.2	12.2	13.9	22.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	4.9	4.9	4.1	4.9	5.7	5.7	4.9	7.3	10.6	11.4	15.5
115°	4.1	4.1	3.3	4.1	4.9	4.9	4.1	6.5	10.6	12.2	16.3
117.5°	4.9	4.1	3.3	4.1	4.9	4.1	4.1	5.7	10.6	12.2	16.3
120°	4.9	4.9	4.1	4.1	4.1	4.1	4.1	5.7	10.6	12.2	16.3
122.5°	5.7	4.9	4.1	4.1	4.1	4.1	4.1	4.9	9.8	11.4	15.5
125°	5.7	5.7	4.1	4.1	4.9	4.1	4.1	4.9	9.8	10.6	14.7
127.5°	6.5	5.7	4.9	4.1	4.9	4.1	4.1	4.9	9.0	9.8	13.1
130°	6.5	6.5	4.9	4.1	4.9	4.1	4.1	4.1	7.3	8.2	11.4
132.5°	6.5	6.5	5.7	4.9	5.7	4.9	4.1	4.1	5.7	6.5	9.0
135°	7.3	6.5	6.5	5.7	6.5	5.7	4.1	4.1	4.1	4.9	6.5
137.5°	7.3	7.3	7.3	6.5	7.3	5.7	4.1	4.1	4.1	4.1	4.9
140°	9.0	9.0	8.2	7.3	8.2	6.5	4.9	4.1	4.1	4.1	4.9
142.5°	10.6	10.6	9.8	9.0	8.2	6.5	5.7	4.9	4.9	4.9	4.9
145°	12.2	11.4	11.4	9.8	8.2	6.5	5.7	5.7	5.7	5.7	5.7
147.5°	12.2	12.2	11.4	9.0	7.3	4.9	4.9	6.5	6.5	6.5	6.5
150°	11.4	11.4	9.8	8.2	5.7	4.1	4.1	5.7	6.5	6.5	6.5
152.5°	9.0	8.2	7.3	4.9	4.1	2.4	3.3	4.1	4.9	4.9	5.7
155°	5.7	4.9	4.1	3.3	3.3	2.4	2.4	3.3	3.3	3.3	4.1
157.5°	2.4	2.4	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4
160°	0.8	0.8	0.8	0.8	2.4	2.4	2.4	1.6	1.6	1.6	1.6
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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
2.5°	4.9	4.9	4.9	4.9	4.9	4.1	4.9	5.7	6.5	6.5	6.5
5°	4.9	4.9	4.9	5.7	5.7	4.9	5.7	7.3	8.2	8.2	8.2
7.5°	5.7	4.9	5.7	6.5	6.5	6.5	28.6	82.4	91.4	93.0	94.6
10°	8.2	8.2	8.2	9.0	9.8	85.7	101.2	106.1	109.3	111.8	112.6
12.5°	124.0	108.5	67.7	17.9	86.5	106.1	111.8	119.9	124.0	128.9	127.3
15°	278.2	246.4	185.2	158.3	155.0	118.3	124.0	206.4	229.2	233.3	232.5
17.5°	314.9	270.8	206.4	220.3	229.2	177.8	208.8	230.9	234.9	239.0	238.2
20°	585.7	466.6	279.8	242.3	239.8	300.2	222.7	230.0	238.2	280.6	285.5
22.5°	650.2	536.8	366.3	354.9	289.6	305.1	290.4	294.5	319.8	319.8	318.2
25°	814.1	649.4	413.6	362.2	367.9	303.5	341.0	294.5	299.4	299.4	300.2
27.5°	1058.9	834.5	549.0	403.8	363.8	367.1	323.9	298.6	341.8	346.7	349.2
30°	1133.1	866.3	543.3	451.1	380.1	356.5	302.7	334.5	322.2	322.2	319.8
32.5°	1583.4	1182.1	676.3	441.3	389.9	331.2	335.3	314.9	309.2	334.5	334.5
35°	1672.3	1217.1	652.6	496.8	374.4	345.1	319.0	323.9	313.3	311.6	309.2
37.5°	1774.3	1241.6	599.6	466.6	395.6	331.2	329.6	317.3	303.5	323.0	326.3
40°	1871.4	1265.3	557.2	430.7	365.5	329.6	323.0	316.5	287.2	287.2	286.3
42.5°	1980.7	1280.8	518.8	402.2	336.1	330.4	312.4	292.0	272.5	278.2	276.5
45°	2094.1	1290.5	479.7	370.4	310.0	341.8	313.3	304.3	288.8	291.2	288.8
47.5°	2233.6	1306.9	445.4	339.4	293.7	313.3	296.1	292.0	301.0	292.9	297.8
50°	2382.1	1315.8	413.6	312.4	277.4	304.3	306.7	294.5	301.0	287.2	286.3
52.5°	2559.9	1324.0	379.3	294.5	274.9	302.7	321.4	308.4	296.9	279.0	277.4
55°	2716.5	1297.9	350.0	283.1	291.2	299.4	333.7	318.2	294.5	274.1	274.9
57.5°	2887.0	1264.4	326.3	278.2	288.0	293.7	350.8	332.0	305.1	305.9	306.7
60°	3063.2	1232.6	311.6	277.4	283.9	296.1	353.2	350.8	319.0	326.3	332.0
62.5°	3273.7	1207.3	309.2	283.1	298.6	309.2	355.7	381.0	353.2	356.5	358.1
65°	3438.5	1133.9	306.7	286.3	304.3	311.6	356.5	402.2	389.9	408.7	407.1
67.5°	3387.9	998.5	302.7	289.6	308.4	324.7	355.7	417.7	416.0	459.3	455.2
70°	3181.5	848.4	289.6	285.5	310.0	331.2	356.5	421.8	429.1	490.3	486.2
72.5°	2834.0	684.4	265.9	274.1	310.8	339.4	367.1	422.6	430.7	517.2	505.0
75°	2371.4	553.1	230.9	248.0	320.6	344.3	369.5	414.4	414.4	496.0	480.5
77.5°	1706.6	425.8	199.0	225.2	317.3	341.0	362.2	395.6	389.9	429.1	414.4
80°	994.4	314.1	169.7	221.1	297.8	334.5	341.8	349.2	322.2	331.2	322.2
82.5°	597.1	232.5	146.8	198.2	261.9	301.0	306.7	294.5	258.6	257.8	245.5
85°	358.1	159.1	107.7	153.4	206.4	251.3	257.8	223.5	190.1	209.7	187.6
87.5°	264.3	100.3	74.2	95.4	125.6	117.5	153.4	144.4	123.2	118.3	116.7
90°	238.2	76.7	61.2	77.5	84.8	72.6	78.3	78.3	63.6	62.8	59.6
92.5°	235.8	71.8	65.3	75.9	68.5	57.9	63.6	62.8	50.6	48.1	45.7
95°	220.3	64.4	65.3	68.5	60.4	47.3	51.4	48.1	35.9	33.4	31.0
97.5°	103.6	44.9	62.0	59.6	49.8	36.7	42.4	36.7	25.3	22.0	22.0
100°	24.5	38.3	53.0	53.8	40.0	27.7	29.4	23.7	16.3	13.9	13.9
102.5°	24.5	17.1	32.6	42.4	24.5	11.4	16.3	15.5	12.2	12.2	13.1
105°	24.5	16.3	16.3	27.7	14.7	7.3	7.3	9.8	10.6	13.9	15.5
107.5°	25.3	17.1	13.1	13.1	10.6	7.3	6.5	7.3	10.6	16.3	17.1
110°	21.2	15.5	12.2	11.4	10.6	7.3	5.7	7.3	10.6	17.9	19.6



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CATALOG NUMBER: LXF.LXT-PA1-60-740-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.5	13.9	10.6	10.6	9.0	7.3	5.7	6.5	11.4	19.6	21.2
115°	15.5	13.1	9.8	9.0	7.3	6.5	5.7	6.5	12.2	21.2	22.8
117.5°	16.3	13.1	9.0	8.2	6.5	4.9	4.9	6.5	12.2	22.0	23.7
120°	16.3	13.1	9.0	8.2	6.5	4.9	4.9	7.3	13.1	21.2	22.8
122.5°	15.5	13.1	9.0	8.2	6.5	4.1	4.9	6.5	12.2	20.4	22.0
125°	13.9	12.2	9.0	7.3	6.5	4.1	4.9	6.5	12.2	19.6	20.4
127.5°	13.1	11.4	8.2	7.3	5.7	4.1	4.9	6.5	11.4	17.9	18.8
130°	11.4	10.6	7.3	6.5	5.7	4.1	4.9	6.5	11.4	16.3	17.1
132.5°	9.0	8.2	6.5	5.7	5.7	4.1	4.9	5.7	9.0	13.9	14.7
135°	6.5	6.5	5.7	5.7	5.7	4.1	4.9	4.9	7.3	10.6	11.4
137.5°	4.9	4.9	4.9	5.7	4.9	4.1	4.1	4.9	6.5	8.2	9.0
140°	4.9	4.9	4.9	5.7	4.9	4.1	4.1	4.9	5.7	6.5	7.3
142.5°	4.9	4.9	4.9	5.7	4.9	3.3	4.1	4.9	5.7	6.5	6.5
145°	5.7	5.7	5.7	5.7	4.9	3.3	3.3	4.9	5.7	6.5	6.5
147.5°	6.5	6.5	5.7	5.7	4.9	2.4	2.4	4.9	5.7	6.5	6.5
150°	6.5	6.5	5.7	5.7	4.1	2.4	2.4	4.1	5.7	5.7	5.7
152.5°	4.9	4.9	4.9	4.9	4.1	1.6	1.6	3.3	4.9	4.9	4.9
155°	4.1	4.1	4.1	4.1	3.3	1.6	0.8	2.4	4.1	4.1	4.1
157.5°	2.4	3.3	3.3	4.1	3.3	1.6	0.8	1.6	3.3	3.3	3.3
160°	1.6	2.4	2.4	3.3	3.3	1.6	0.8	1.6	2.4	2.4	2.4
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)