

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: P416285

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416285  
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-PA1-70-730-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 930mA 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: 7377 lumens  
Efficiency: N/A  
Efficacy: 99.7 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

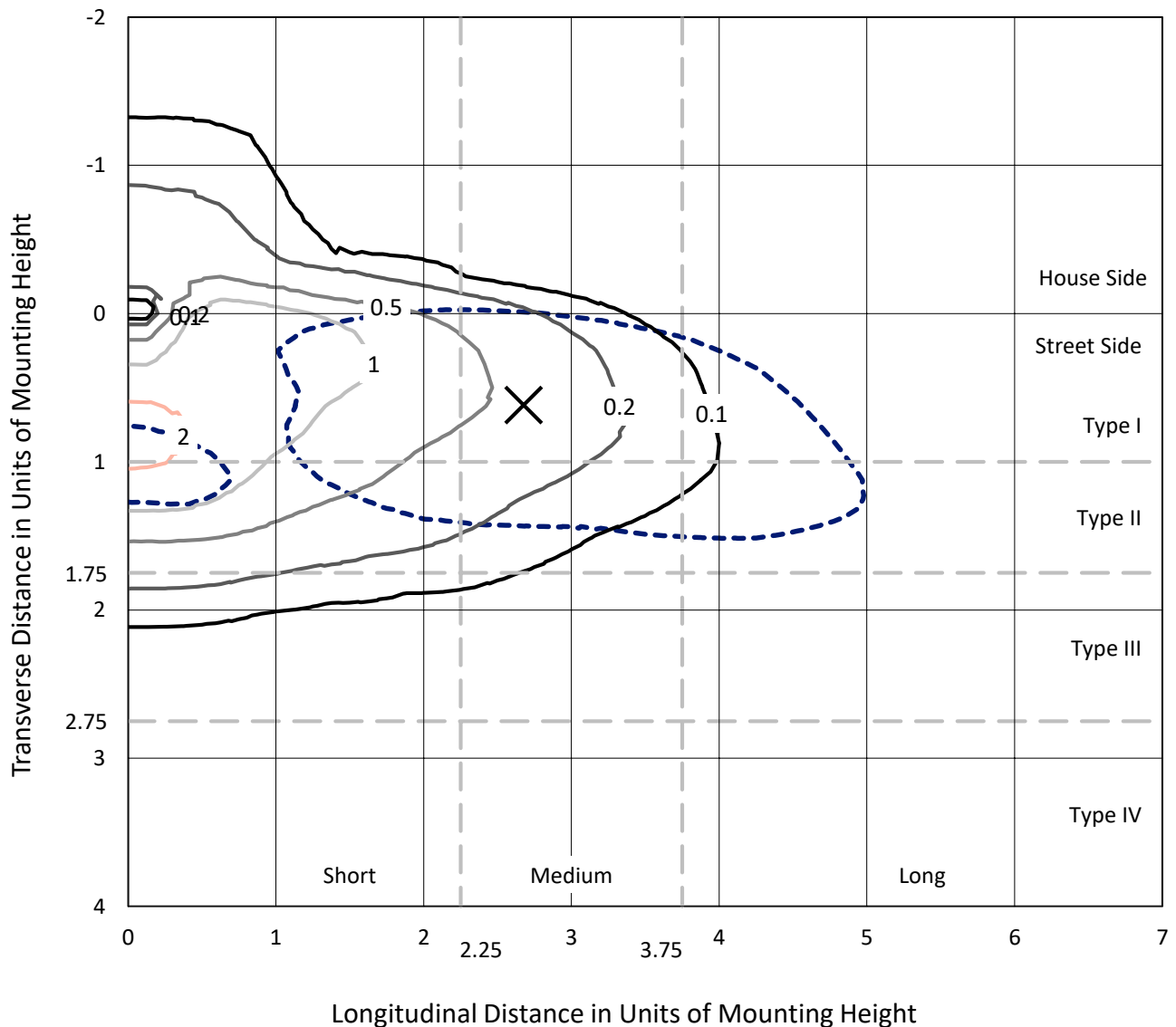
Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

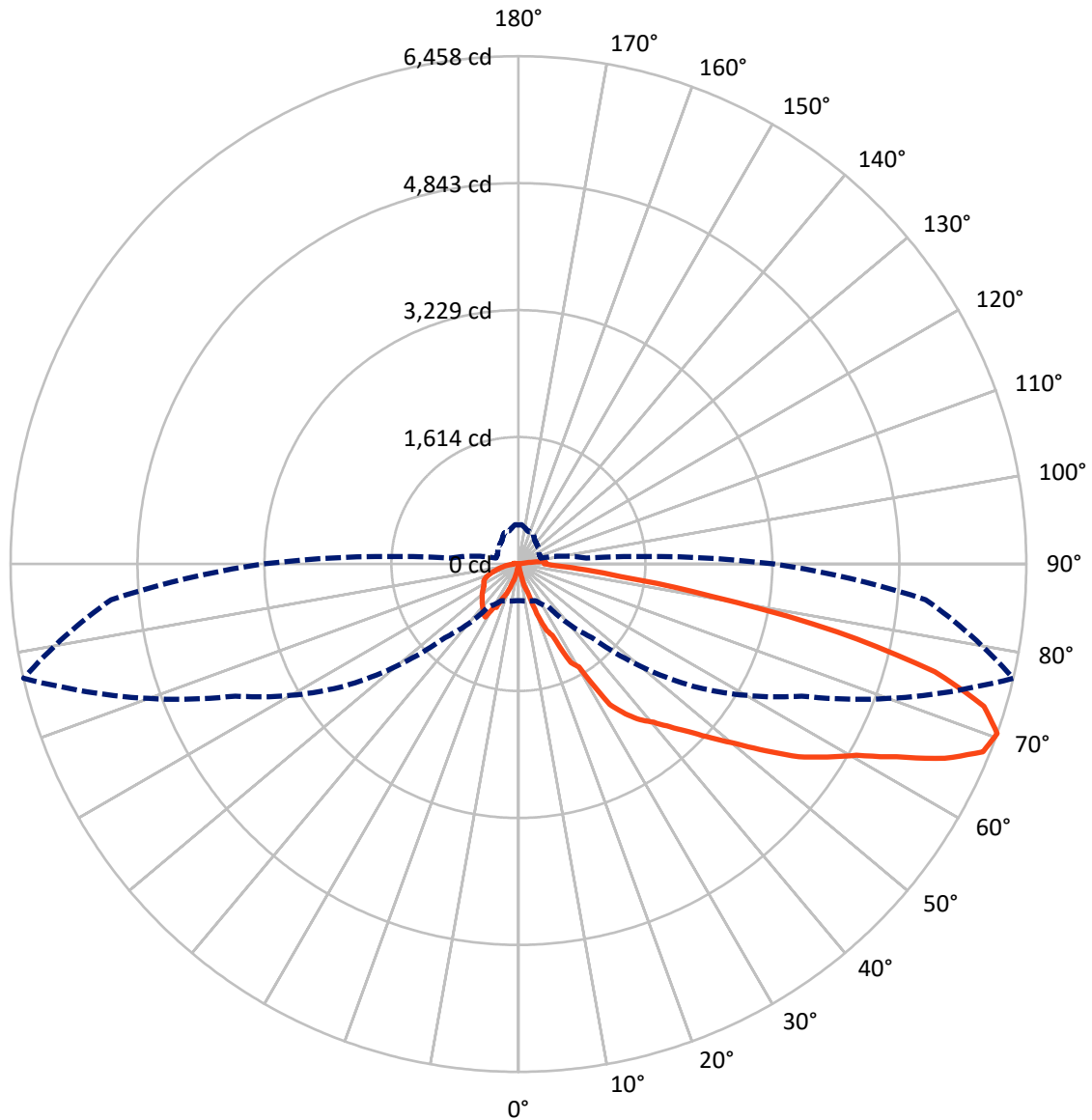
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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
<b>House Side</b>	Lumens	1247.7	54.7	1302.5
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	6006.4	68.2	6074.6
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	7254.1	122.9	7377.0
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	87.8	1.2
20°-30°	347.7	4.7
30°-40°	839.6	11.4
40°-50°	1358.0	18.4
50°-60°	1624.2	22.0
60°-70°	1588.3	21.5
70°-80°	1098.0	14.9
80°-90°	304.7	4.1
90°-100°	80.2	1.1
100°-110°	16.4	0.2
110°-120°	8.7	0.1
120°-130°	7.0	0.1
130°-140°	4.8	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°	7254.1	98.3
0°-180°	7377.0	100.0



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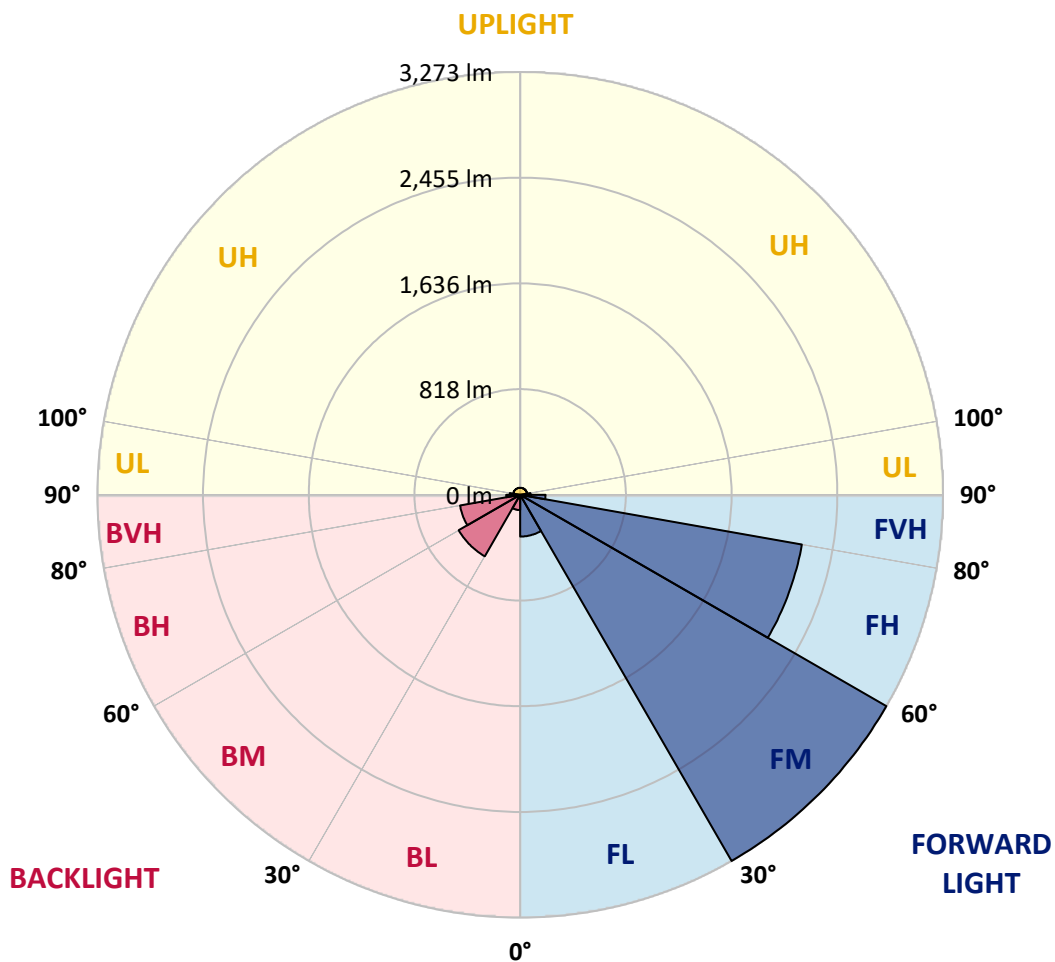
CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2R-CL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.2	4.4			
FM (30°-60°)	3272.9	44.4			
FH (60°-80°)	2213.9	30.0			G2/5000
FVH (80°-90°)	196.3	2.7			G2/225
BL (0°-30°)	118.2	1.6	B1/500		
BM (30°-60°)	548.8	7.4	B1/1000		
BH (60°-80°)	472.4	6.4	B1/500		G1/500
BVH (80°-90°)	108.4	1.5			G2/225
UL (90°-100°)	80.2	1.1		U3/500	
UH (100°-180°)	54.7	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°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	9.2	8.3	8.3	9.2	10.8	10.0	7.5	5.8	5.0	5.0	5.0
5°	180.8	175.0	170.8	120.8	26.7	15.8	10.0	7.5	5.8	5.8	5.0
7.5°	215.8	212.5	210.8	205.0	198.3	185.0	33.3	10.8	6.7	6.7	5.8
10°	244.1	241.6	238.3	235.0	225.8	216.6	198.3	27.5	10.8	10.8	9.2
12.5°	497.4	489.9	483.2	343.3	254.9	245.0	227.5	155.8	118.3	114.1	137.5
15°	510.7	510.7	510.7	514.9	507.4	273.3	372.4	466.6	308.3	298.3	308.3
17.5°	544.1	539.1	530.7	533.2	543.2	603.2	555.7	519.1	410.7	364.9	354.9
20°	814.0	809.8	812.3	753.2	579.0	759.8	754.8	584.9	667.4	676.5	659.0
22.5°	869.0	868.2	865.7	862.3	989.8	806.5	868.2	919.8	932.3	914.0	758.2
25°	1233.1	1223.9	1113.1	938.1	1060.6	970.6	1158.1	1019.8	1038.1	1005.6	960.6
27.5°	1408.9	1389.7	1370.6	1318.1	1138.9	1297.2	1232.2	1344.7	1507.2	1420.5	1222.3
30°	1858.8	1869.6	1559.7	1542.2	1408.9	1375.6	1508.9	1580.5	1582.2	1518.9	1372.2
32.5°	2288.7	2259.5	2187.1	1875.5	1678.0	1540.5	1749.6	1683.0	2070.4	2130.4	1860.5
35°	2710.3	2653.6	2441.2	2229.5	1957.9	1898.8	1874.6	2107.1	2253.7	2339.5	2012.9
37.5°	3311.0	3270.2	3066.9	2513.7	2257.0	2043.8	2197.9	2242.9	2476.2	2512.8	2221.2
40°	3531.8	3504.3	3335.2	2901.1	2491.2	2281.2	2342.9	2406.2	2697.0	2646.1	2377.9
42.5°	3690.1	3680.1	3545.1	3103.5	2796.1	2517.0	2510.3	2542.8	2923.6	2830.3	2534.5
45°	3811.7	3797.6	3717.6	3233.5	2940.2	2662.8	2691.1	2711.1	3122.7	3041.0	2713.6
47.5°	3788.4	3794.2	3805.1	3395.1	3026.1	2805.3	2876.1	2856.1	3285.2	3304.3	2914.4
50°	3609.3	3620.9	3700.9	3460.1	3075.2	2921.9	3036.0	3017.7	3511.8	3591.8	3146.0
52.5°	3076.9	3096.0	3392.6	3359.3	3118.5	3013.6	3200.2	3204.3	3776.7	3946.7	3441.8
55°	2252.9	2325.4	2686.1	3025.2	3071.0	3042.7	3310.2	3441.0	4081.7	4326.6	3705.9
57.5°	1812.1	1797.1	2046.3	2540.3	2836.1	3006.9	3426.0	3651.8	4359.9	4631.6	3970.0
60°	1406.4	1411.4	1595.5	1949.6	2424.5	2918.6	3544.3	3841.7	4702.4	4938.2	4293.3
62.5°	1047.3	1057.3	1190.6	1402.2	1954.6	2672.0	3580.9	4079.2	5178.1	5401.4	4684.0
65°	760.7	777.3	849.8	979.8	1412.2	2302.0	3469.3	4256.6	5705.5	5959.6	5101.5
67.5°	571.6	580.7	623.2	702.4	1009.0	1827.1	3193.5	4245.8	5970.5	6370.4	5280.6
70°	464.9	469.1	484.9	513.2	662.4	1324.7	2709.4	3972.5	6027.1	6457.9	5197.3
72.5°	394.9	393.3	394.1	398.3	457.4	905.6	2092.9	3461.0	5810.5	6192.1	4821.5
75°	337.4	334.9	334.9	330.8	353.3	635.7	1441.4	2793.6	5234.8	5471.4	4061.7
77.5°	287.4	283.3	282.4	274.1	284.1	473.2	954.8	2080.4	4141.7	4145.8	2879.4
80°	245.0	237.5	234.1	228.3	240.0	360.8	623.2	1357.2	2533.7	2492.8	1598.0
82.5°	180.8	180.8	185.8	187.5	206.6	267.4	439.9	807.3	1383.1	1308.9	926.5
85°	104.1	113.3	134.1	136.6	158.3	177.5	330.8	478.2	774.0	746.5	474.9
87.5°	38.3	36.7	55.8	59.2	66.7	66.7	180.0	262.4	405.8	422.4	374.1
90°	31.7	31.7	21.7	20.0	25.8	43.3	121.6	184.1	304.9	327.4	353.3
92.5°	33.3	33.3	21.7	19.2	24.2	38.3	102.5	174.1	319.9	350.8	364.9
95°	31.7	32.5	19.2	17.5	22.5	32.5	76.7	149.1	307.4	336.6	356.6
97.5°	27.5	28.3	15.8	15.0	20.0	23.3	41.7	74.2	153.3	159.1	165.0
100°	22.5	22.5	11.7	12.5	15.8	15.8	21.7	39.2	37.5	30.8	26.7
102.5°	19.2	20.8	10.8	10.0	11.7	10.0	10.0	15.0	22.5	19.2	25.8
105°	15.8	17.5	9.2	8.3	9.2	8.3	6.7	10.8	16.7	19.2	27.5
107.5°	10.8	11.7	6.7	7.5	7.5	7.5	5.0	8.3	15.8	18.3	28.3
110°	7.5	7.5	5.0	6.7	6.7	7.5	5.0	8.3	12.5	14.2	22.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.0	5.0	4.2	5.0	5.8	5.8	5.0	7.5	10.8	11.7	15.8
115°	4.2	4.2	3.3	4.2	5.0	5.0	4.2	6.7	10.8	12.5	16.7
117.5°	5.0	4.2	3.3	4.2	5.0	4.2	4.2	5.8	10.8	12.5	16.7
120°	5.0	5.0	4.2	4.2	4.2	4.2	4.2	5.8	10.8	12.5	16.7
122.5°	5.8	5.0	4.2	4.2	4.2	4.2	4.2	5.0	10.0	11.7	15.8
125°	5.8	5.8	4.2	4.2	5.0	4.2	4.2	5.0	10.0	10.8	15.0
127.5°	6.7	5.8	5.0	4.2	5.0	4.2	4.2	5.0	9.2	10.0	13.3
130°	6.7	6.7	5.0	4.2	5.0	4.2	4.2	4.2	7.5	8.3	11.7
132.5°	6.7	6.7	5.8	5.0	5.8	5.0	4.2	4.2	5.8	6.7	9.2
135°	7.5	6.7	6.7	5.8	6.7	5.8	4.2	4.2	4.2	5.0	6.7
137.5°	7.5	7.5	7.5	6.7	7.5	5.8	4.2	4.2	4.2	4.2	5.0
140°	9.2	9.2	8.3	7.5	8.3	6.7	5.0	4.2	4.2	4.2	5.0
142.5°	10.8	10.8	10.0	9.2	8.3	6.7	5.8	5.0	5.0	5.0	5.0
145°	12.5	11.7	11.7	10.0	8.3	6.7	5.8	5.8	5.8	5.8	5.8
147.5°	12.5	12.5	11.7	9.2	7.5	5.0	5.0	6.7	6.7	6.7	6.7
150°	11.7	11.7	10.0	8.3	5.8	4.2	4.2	5.8	6.7	6.7	6.7
152.5°	9.2	8.3	7.5	5.0	4.2	2.5	3.3	4.2	5.0	5.0	5.8
155°	5.8	5.0	4.2	3.3	3.3	2.5	2.5	3.3	3.3	3.3	4.2
157.5°	2.5	2.5	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5
160°	0.8	0.8	0.8	0.8	2.5	2.5	2.5	1.7	1.7	1.7	1.7
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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
2.5°	5.0	5.0	5.0	5.0	5.0	4.2	5.0	5.8	6.7	6.7	6.7
5°	5.0	5.0	5.0	5.8	5.8	5.0	5.8	7.5	8.3	8.3	8.3
7.5°	5.8	5.0	5.8	6.7	6.7	6.7	29.2	84.1	93.3	95.0	96.6
10°	8.3	8.3	8.3	9.2	10.0	87.5	103.3	108.3	111.6	114.1	115.0
12.5°	126.6	110.8	69.2	18.3	88.3	108.3	114.1	122.5	126.6	131.6	130.0
15°	284.1	251.6	189.1	161.6	158.3	120.8	126.6	210.8	234.1	238.3	237.5
17.5°	321.6	276.6	210.8	225.0	234.1	181.6	213.3	235.8	240.0	244.1	243.3
20°	598.2	476.6	285.8	247.4	245.0	306.6	227.5	235.0	243.3	286.6	291.6
22.5°	664.0	548.2	374.1	362.4	295.8	311.6	296.6	300.8	326.6	326.6	324.9
25°	831.5	663.2	422.4	369.9	375.8	309.9	348.3	300.8	305.8	305.8	306.6
27.5°	1081.4	852.3	560.7	412.4	371.6	374.9	330.8	304.9	349.1	354.1	356.6
30°	1157.3	884.8	554.9	460.7	388.3	364.1	309.1	341.6	329.1	329.1	326.6
32.5°	1617.2	1207.3	690.7	450.7	398.3	338.3	342.4	321.6	315.8	341.6	341.6
35°	1708.0	1243.1	666.5	507.4	382.4	352.4	325.8	330.8	319.9	318.3	315.8
37.5°	1812.1	1268.1	612.4	476.6	404.1	338.3	336.6	324.1	309.9	329.9	333.3
40°	1911.3	1292.2	569.1	439.9	373.3	336.6	329.9	323.3	293.3	293.3	292.4
42.5°	2022.9	1308.1	529.9	410.7	343.3	337.4	319.1	298.3	278.3	284.1	282.4
45°	2138.7	1318.1	489.9	378.3	316.6	349.1	319.9	310.8	294.9	297.4	294.9
47.5°	2281.2	1334.7	454.9	346.6	299.9	319.9	302.4	298.3	307.4	299.1	304.1
50°	2432.8	1343.9	422.4	319.1	283.3	310.8	313.3	300.8	307.4	293.3	292.4
52.5°	2614.5	1352.2	387.4	300.8	280.8	309.1	328.3	314.9	303.3	284.9	283.3
55°	2774.4	1325.6	357.4	289.1	297.4	305.8	340.8	324.9	300.8	279.9	280.8
57.5°	2948.6	1291.4	333.3	284.1	294.1	299.9	358.3	339.1	311.6	312.4	313.3
60°	3128.5	1258.9	318.3	283.3	289.9	302.4	360.8	358.3	325.8	333.3	339.1
62.5°	3343.5	1233.1	315.8	289.1	304.9	315.8	363.3	389.1	360.8	364.1	365.8
65°	3511.8	1158.1	313.3	292.4	310.8	318.3	364.1	410.7	398.3	417.4	415.7
67.5°	3460.1	1019.8	309.1	295.8	314.9	331.6	363.3	426.6	424.9	469.1	464.9
70°	3249.3	866.5	295.8	291.6	316.6	338.3	364.1	430.7	438.2	500.7	496.6
72.5°	2894.4	699.0	271.6	279.9	317.4	346.6	374.9	431.6	439.9	528.2	515.7
75°	2422.0	564.9	235.8	253.3	327.4	351.6	377.4	423.2	423.2	506.6	490.7
77.5°	1743.0	434.9	203.3	230.0	324.1	348.3	369.9	404.1	398.3	438.2	423.2
80°	1015.6	320.8	173.3	225.8	304.1	341.6	349.1	356.6	329.1	338.3	329.1
82.5°	609.9	237.5	150.0	202.5	267.4	307.4	313.3	300.8	264.1	263.3	250.8
85°	365.8	162.5	110.0	156.6	210.8	256.6	263.3	228.3	194.1	214.1	191.6
87.5°	269.9	102.5	75.8	97.5	128.3	120.0	156.6	147.5	125.8	120.8	119.1
90°	243.3	78.3	62.5	79.2	86.6	74.2	80.0	80.0	65.0	64.2	60.8
92.5°	240.8	73.3	66.7	77.5	70.0	59.2	65.0	64.2	51.7	49.2	46.7
95°	225.0	65.8	66.7	70.0	61.7	48.3	52.5	49.2	36.7	34.2	31.7
97.5°	105.8	45.8	63.3	60.8	50.8	37.5	43.3	37.5	25.8	22.5	22.5
100°	25.0	39.2	54.2	55.0	40.8	28.3	30.0	24.2	16.7	14.2	14.2
102.5°	25.0	17.5	33.3	43.3	25.0	11.7	16.7	15.8	12.5	12.5	13.3
105°	25.0	16.7	16.7	28.3	15.0	7.5	7.5	10.0	10.8	14.2	15.8
107.5°	25.8	17.5	13.3	13.3	10.8	7.5	6.7	7.5	10.8	16.7	17.5
110°	21.7	15.8	12.5	11.7	10.8	7.5	5.8	7.5	10.8	18.3	20.0



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CATALOG NUMBER: LXF.LXT-PA1-70-730-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.8	14.2	10.8	10.8	9.2	7.5	5.8	6.7	11.7	20.0	21.7
115°	15.8	13.3	10.0	9.2	7.5	6.7	5.8	6.7	12.5	21.7	23.3
117.5°	16.7	13.3	9.2	8.3	6.7	5.0	5.0	6.7	12.5	22.5	24.2
120°	16.7	13.3	9.2	8.3	6.7	5.0	5.0	7.5	13.3	21.7	23.3
122.5°	15.8	13.3	9.2	8.3	6.7	4.2	5.0	6.7	12.5	20.8	22.5
125°	14.2	12.5	9.2	7.5	6.7	4.2	5.0	6.7	12.5	20.0	20.8
127.5°	13.3	11.7	8.3	7.5	5.8	4.2	5.0	6.7	11.7	18.3	19.2
130°	11.7	10.8	7.5	6.7	5.8	4.2	5.0	6.7	11.7	16.7	17.5
132.5°	9.2	8.3	6.7	5.8	5.8	4.2	5.0	5.8	9.2	14.2	15.0
135°	6.7	6.7	5.8	5.8	5.8	4.2	5.0	5.0	7.5	10.8	11.7
137.5°	5.0	5.0	5.0	5.8	5.0	4.2	4.2	5.0	6.7	8.3	9.2
140°	5.0	5.0	5.0	5.8	5.0	4.2	4.2	5.0	5.8	6.7	7.5
142.5°	5.0	5.0	5.0	5.8	5.0	3.3	4.2	5.0	5.8	6.7	6.7
145°	5.8	5.8	5.8	5.8	5.0	3.3	3.3	5.0	5.8	6.7	6.7
147.5°	6.7	6.7	5.8	5.8	5.0	2.5	2.5	5.0	5.8	6.7	6.7
150°	6.7	6.7	5.8	5.8	4.2	2.5	2.5	4.2	5.8	5.8	5.8
152.5°	5.0	5.0	5.0	5.0	4.2	1.7	1.7	3.3	5.0	5.0	5.0
155°	4.2	4.2	4.2	4.2	3.3	1.7	0.8	2.5	4.2	4.2	4.2
157.5°	2.5	3.3	3.3	4.2	3.3	1.7	0.8	1.7	3.3	3.3	3.3
160°	1.7	2.5	2.5	3.3	3.3	1.7	0.8	1.7	2.5	2.5	2.5
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)