

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: P415453

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415453  
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-PA1-50-730-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA 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: 5693 lumens  
Efficiency: N/A  
Efficacy: 105.4 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

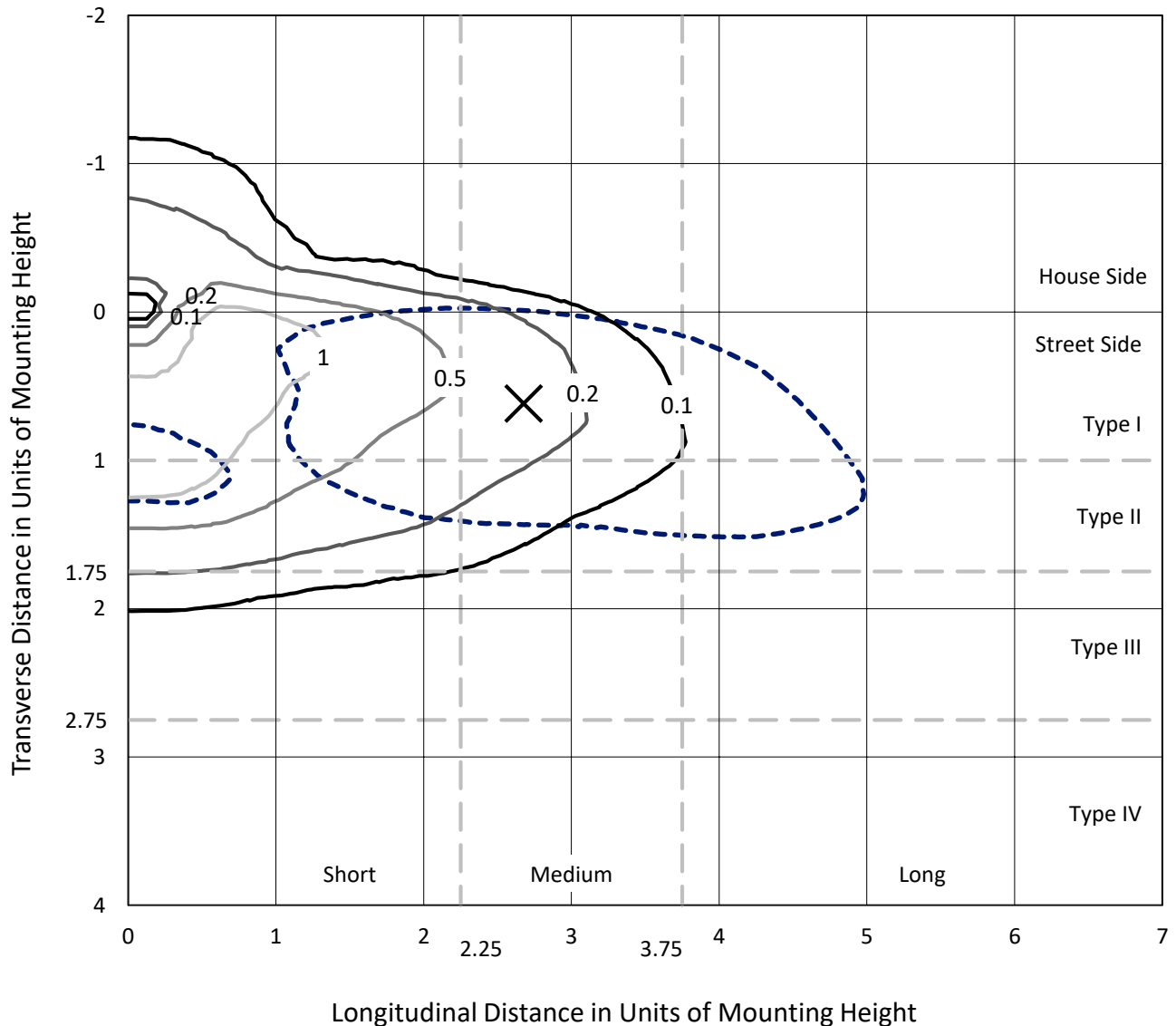
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

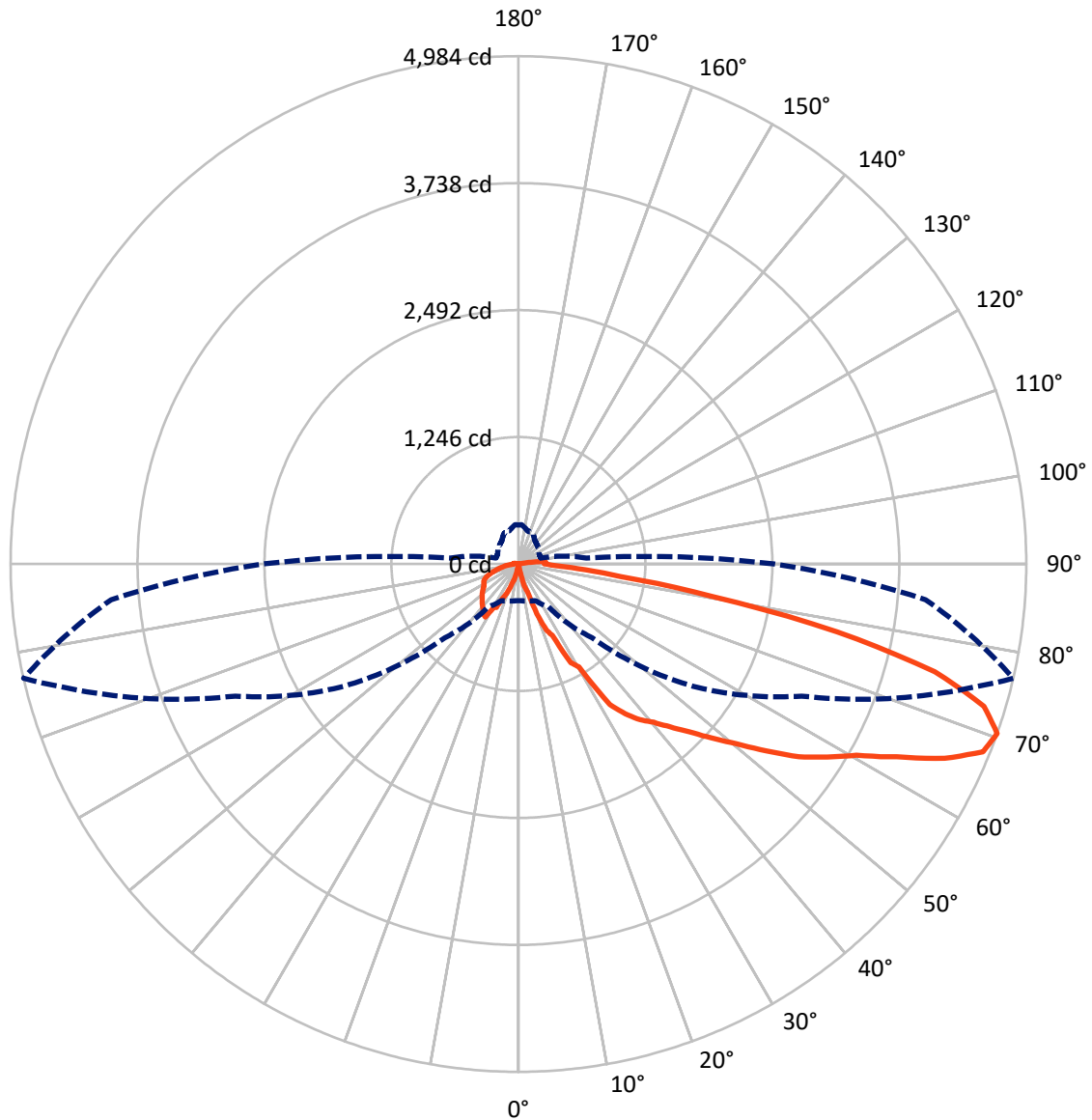


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Medium - Non-Cutoff

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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	962.9	42.2	1005.1
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	4635.3	52.6	4687.9
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	5598.2	94.8	5693.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	67.7	1.2
20°-30°	268.3	4.7
30°-40°	647.9	11.4
40°-50°	1048.0	18.4
50°-60°	1253.4	22.0
60°-70°	1225.7	21.5
70°-80°	847.3	14.9
80°-90°	235.1	4.1
90°-100°	61.9	1.1
100°-110°	12.7	0.2
110°-120°	6.7	0.1
120°-130°	5.4	0.1
130°-140°	3.7	0.1
140°-150°	3.0	0.1
150°-160°	1.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5598.2	98.3
0°-180°	5693.0	100.0

**Coefficient of Utilization**



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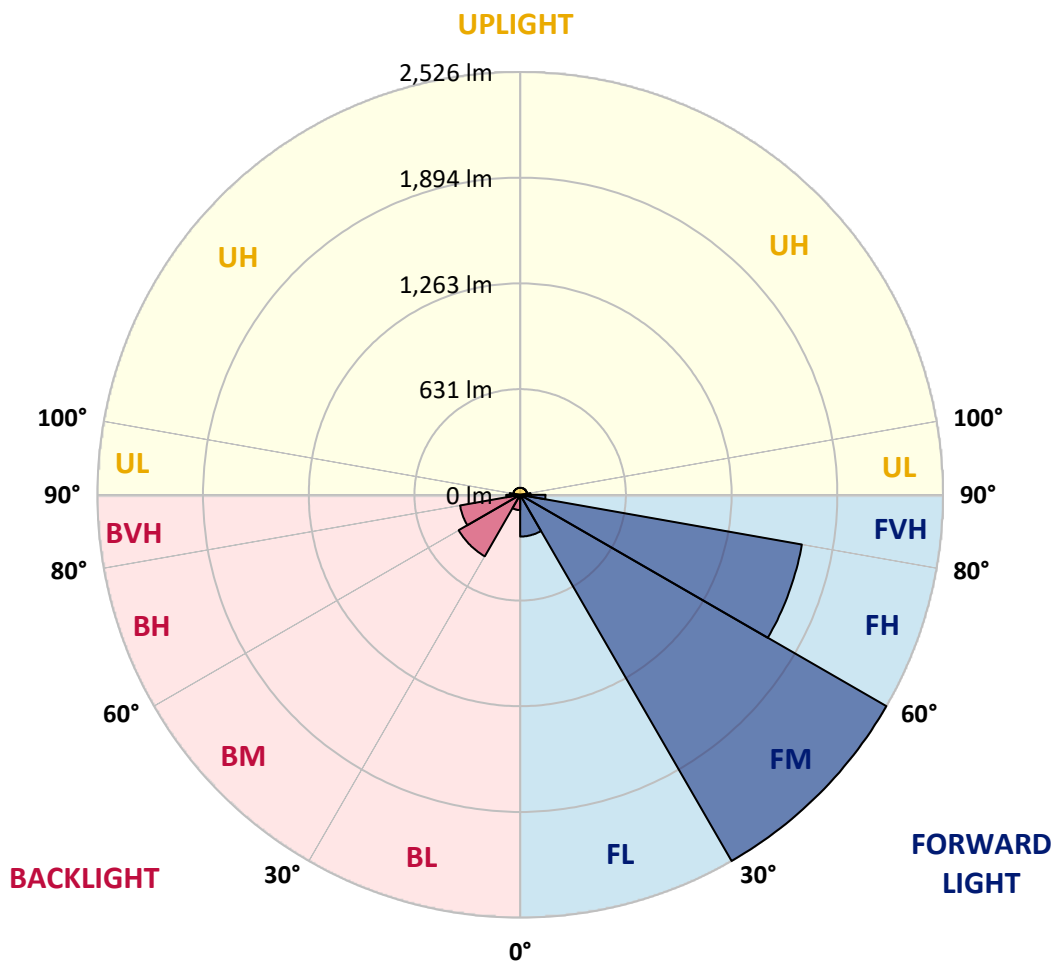
CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2R-CL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.4	4.4			
FM (30°-60°)	2525.8	44.4			
FH (60°-80°)	1708.5	30.0			G1/1800
FVH (80°-90°)	151.5	2.7			G2/225
BL (0°-30°)	91.2	1.6	B0/110		
BM (30°-60°)	423.5	7.4	B1/1000		
BH (60°-80°)	364.5	6.4	B1/500		G1/500
BVH (80°-90°)	83.6	1.5			G1/100
UL (90°-100°)	61.9	1.1		U3/500	
UH (100°-180°)	42.2	0.7		U2/50	

**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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	7.1	6.4	6.4	7.1	8.4	7.7	5.8	4.5	3.9	3.9	3.9
5°	139.5	135.0	131.8	93.2	20.6	12.2	7.7	5.8	4.5	4.5	3.9
7.5°	166.5	164.0	162.7	158.2	153.0	142.7	25.7	8.4	5.1	5.1	4.5
10°	188.4	186.5	183.9	181.3	174.2	167.2	153.0	21.2	8.4	8.4	7.1
12.5°	383.9	378.1	372.9	264.9	196.7	189.0	175.5	120.2	91.3	88.1	106.1
15°	394.1	394.1	394.1	397.4	391.6	210.9	287.4	360.1	237.9	230.2	237.9
17.5°	419.9	416.0	409.6	411.5	419.2	465.5	428.9	400.6	317.0	281.6	273.9
20°	628.2	625.0	626.9	581.2	446.9	586.4	582.5	451.4	515.0	522.1	508.6
22.5°	670.6	670.0	668.0	665.5	763.9	622.4	670.0	709.8	719.5	705.3	585.1
25°	951.6	944.5	859.0	724.0	818.5	749.1	893.7	787.0	801.1	776.1	741.3
27.5°	1087.3	1072.5	1057.7	1017.2	878.9	1001.1	951.0	1037.8	1163.1	1096.3	943.2
30°	1434.5	1442.8	1203.6	1190.1	1087.3	1061.5	1164.4	1219.7	1221.0	1172.1	1059.0
32.5°	1766.2	1743.7	1687.8	1447.3	1294.9	1188.9	1350.2	1298.8	1597.8	1644.1	1435.8
35°	2091.6	2047.9	1883.9	1720.6	1511.0	1465.3	1446.7	1626.1	1739.2	1805.5	1553.4
37.5°	2555.2	2523.7	2366.8	1939.8	1741.8	1577.2	1696.2	1730.9	1910.9	1939.2	1714.2
40°	2725.6	2704.3	2573.8	2238.8	1922.5	1760.5	1808.0	1856.9	2081.3	2042.1	1835.0
42.5°	2847.7	2840.0	2735.8	2395.1	2157.8	1942.4	1937.3	1962.3	2256.2	2184.2	1955.9
45°	2941.6	2930.7	2868.9	2495.4	2269.0	2054.9	2076.8	2092.2	2409.9	2346.8	2094.2
47.5°	2923.6	2928.1	2936.5	2620.1	2335.3	2164.9	2219.5	2204.1	2535.2	2550.0	2249.1
50°	2785.4	2794.4	2856.1	2670.3	2373.2	2254.9	2343.0	2328.8	2710.1	2771.9	2427.9
52.5°	2374.5	2389.3	2618.2	2592.5	2406.6	2325.6	2469.7	2472.9	2914.6	3045.8	2656.1
55°	1738.6	1794.5	2072.9	2334.6	2370.0	2348.1	2554.5	2655.5	3149.9	3339.0	2859.9
57.5°	1398.5	1386.9	1579.1	1960.4	2188.7	2320.5	2643.9	2818.1	3364.7	3574.3	3063.8
60°	1085.3	1089.2	1231.3	1504.6	1871.0	2252.3	2735.2	2964.7	3628.9	3810.9	3313.2
62.5°	808.2	815.9	918.8	1082.1	1508.4	2062.0	2763.5	3148.0	3996.1	4168.4	3614.8
65°	587.0	599.9	655.8	756.1	1089.8	1776.5	2677.3	3284.9	4403.1	4599.2	3936.9
67.5°	441.1	448.2	480.9	542.0	778.6	1410.0	2464.5	3276.6	4607.5	4916.2	4075.2
70°	358.8	362.0	374.2	396.1	511.2	1022.3	2090.9	3065.7	4651.3	4983.7	4010.9
72.5°	304.8	303.5	304.1	307.3	353.0	698.9	1615.1	2670.9	4484.1	4778.6	3720.9
75°	260.4	258.5	258.5	255.3	272.6	490.6	1112.3	2155.9	4039.8	4222.4	3134.5
77.5°	221.8	218.6	218.0	211.5	219.3	365.2	736.8	1605.5	3196.2	3199.4	2222.1
80°	189.0	183.2	180.7	176.2	185.2	278.4	480.9	1047.4	1955.3	1923.8	1233.2
82.5°	139.5	139.5	143.4	144.7	159.5	206.4	339.5	623.0	1067.3	1010.1	715.0
85°	80.4	87.4	103.5	105.4	122.2	137.0	255.3	369.1	597.3	576.1	366.5
87.5°	29.6	28.3	43.1	45.7	51.4	51.4	138.9	202.5	313.1	326.0	288.7
90°	24.4	24.4	16.7	15.4	19.9	33.4	93.9	142.1	235.3	252.7	272.6
92.5°	25.7	25.7	16.7	14.8	18.6	29.6	79.1	134.4	246.9	270.7	281.6
95°	24.4	25.1	14.8	13.5	17.4	25.1	59.2	115.1	237.3	259.8	275.2
97.5°	21.2	21.9	12.2	11.6	15.4	18.0	32.1	57.2	118.3	122.8	127.3
100°	17.4	17.4	9.0	9.6	12.2	12.2	16.7	30.2	28.9	23.8	20.6
102.5°	14.8	16.1	8.4	7.7	9.0	7.7	7.7	11.6	17.4	14.8	19.9
105°	12.2	13.5	7.1	6.4	7.1	6.4	5.1	8.4	12.9	14.8	21.2
107.5°	8.4	9.0	5.1	5.8	5.8	5.8	3.9	6.4	12.2	14.1	21.9
110°	5.8	5.8	3.9	5.1	5.1	5.8	3.9	6.4	9.6	10.9	17.4



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.9	3.9	3.2	3.9	4.5	4.5	3.9	5.8	8.4	9.0	12.2
115°	3.2	3.2	2.6	3.2	3.9	3.9	3.2	5.1	8.4	9.6	12.9
117.5°	3.9	3.2	2.6	3.2	3.9	3.2	3.2	4.5	8.4	9.6	12.9
120°	3.9	3.9	3.2	3.2	3.2	3.2	3.2	4.5	8.4	9.6	12.9
122.5°	4.5	3.9	3.2	3.2	3.2	3.2	3.2	3.9	7.7	9.0	12.2
125°	4.5	4.5	3.2	3.2	3.9	3.2	3.2	3.9	7.7	8.4	11.6
127.5°	5.1	4.5	3.9	3.2	3.9	3.2	3.2	3.9	7.1	7.7	10.3
130°	5.1	5.1	3.9	3.2	3.9	3.2	3.2	3.2	5.8	6.4	9.0
132.5°	5.1	5.1	4.5	3.9	4.5	3.9	3.2	3.2	4.5	5.1	7.1
135°	5.8	5.1	5.1	4.5	5.1	4.5	3.2	3.2	3.2	3.9	5.1
137.5°	5.8	5.8	5.8	5.1	5.8	4.5	3.2	3.2	3.2	3.2	3.9
140°	7.1	7.1	6.4	5.8	6.4	5.1	3.9	3.2	3.2	3.2	3.9
142.5°	8.4	8.4	7.7	7.1	6.4	5.1	4.5	3.9	3.9	3.9	3.9
145°	9.6	9.0	9.0	7.7	6.4	5.1	4.5	4.5	4.5	4.5	4.5
147.5°	9.6	9.6	9.0	7.1	5.8	3.9	3.9	5.1	5.1	5.1	5.1
150°	9.0	9.0	7.7	6.4	4.5	3.2	3.2	4.5	5.1	5.1	5.1
152.5°	7.1	6.4	5.8	3.9	3.2	1.9	2.6	3.2	3.9	3.9	4.5
155°	4.5	3.9	3.2	2.6	2.6	1.9	1.9	2.6	2.6	2.6	3.2
157.5°	1.9	1.9	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9
160°	0.6	0.6	0.6	0.6	1.9	1.9	1.9	1.3	1.3	1.3	1.3
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°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2.5°	3.9	3.9	3.9	3.9	3.9	3.2	3.9	4.5	5.1	5.1	5.1
5°	3.9	3.9	3.9	4.5	4.5	3.9	4.5	5.8	6.4	6.4	6.4
7.5°	4.5	3.9	4.5	5.1	5.1	5.1	22.5	64.9	72.0	73.3	74.6
10°	6.4	6.4	6.4	7.1	7.7	67.5	79.7	83.6	86.2	88.1	88.7
12.5°	97.7	85.5	53.4	14.1	68.2	83.6	88.1	94.5	97.7	101.6	100.3
15°	219.3	194.2	146.0	124.7	122.2	93.2	97.7	162.7	180.7	183.9	183.2
17.5°	248.2	213.5	162.7	173.6	180.7	140.2	164.6	182.0	185.2	188.4	187.7
20°	461.7	367.8	220.5	191.0	189.0	236.6	175.5	181.3	187.7	221.2	225.0
22.5°	512.4	423.1	288.7	279.7	228.3	240.5	228.9	232.1	252.0	252.0	250.8
25°	641.7	511.8	326.0	285.5	290.0	239.2	268.8	232.1	236.0	236.0	236.6
27.5°	834.6	657.8	432.7	318.3	286.8	289.3	255.3	235.3	269.4	273.3	275.2
30°	893.1	682.8	428.2	355.6	299.6	281.0	238.5	263.6	254.0	254.0	252.0
32.5°	1248.0	931.7	533.0	347.8	307.3	261.0	264.3	248.2	243.7	263.6	263.6
35°	1318.1	959.3	514.4	391.6	295.1	272.0	251.4	255.3	246.9	245.6	243.7
37.5°	1398.5	978.6	472.6	367.8	311.8	261.0	259.8	250.1	239.2	254.6	257.2
40°	1475.0	997.2	439.1	339.5	288.1	259.8	254.6	249.5	226.3	226.3	225.7
42.5°	1561.1	1009.5	408.9	317.0	264.9	260.4	246.3	230.2	214.8	219.3	218.0
45°	1650.5	1017.2	378.1	291.9	244.3	269.4	246.9	239.8	227.6	229.5	227.6
47.5°	1760.5	1030.0	351.1	267.5	231.5	246.9	233.4	230.2	237.3	230.8	234.7
50°	1877.5	1037.1	326.0	246.3	218.6	239.8	241.8	232.1	237.3	226.3	225.7
52.5°	2017.6	1043.5	299.0	232.1	216.7	238.5	253.3	243.0	234.0	219.9	218.6
55°	2141.1	1023.0	275.8	223.1	229.5	236.0	263.0	250.8	232.1	216.0	216.7
57.5°	2275.5	996.6	257.2	219.3	227.0	231.5	276.5	261.7	240.5	241.1	241.8
60°	2414.4	971.5	245.6	218.6	223.8	233.4	278.4	276.5	251.4	257.2	261.7
62.5°	2580.2	951.6	243.7	223.1	235.3	243.7	280.3	300.3	278.4	281.0	282.3
65°	2710.1	893.7	241.8	225.7	239.8	245.6	281.0	317.0	307.3	322.1	320.8
67.5°	2670.3	787.0	238.5	228.3	243.0	255.9	280.3	329.2	327.9	362.0	358.8
70°	2507.6	668.7	228.3	225.0	244.3	261.0	281.0	332.4	338.2	386.4	383.2
72.5°	2233.7	539.5	209.6	216.0	245.0	267.5	289.3	333.1	339.5	407.6	398.0
75°	1869.1	435.9	182.0	195.5	252.7	271.3	291.3	326.6	326.6	390.9	378.7
77.5°	1345.1	335.6	156.9	177.5	250.1	268.8	285.5	311.8	307.3	338.2	326.6
80°	783.8	247.5	133.7	174.2	234.7	263.6	269.4	275.2	254.0	261.0	254.0
82.5°	470.7	183.2	115.7	156.2	206.4	237.3	241.8	232.1	203.8	203.2	193.5
85°	282.3	125.4	84.9	120.9	162.7	198.0	203.2	176.2	149.8	165.2	147.9
87.5°	208.3	79.1	58.5	75.2	99.0	92.6	120.9	113.8	97.1	93.2	91.9
90°	187.7	60.4	48.2	61.1	66.9	57.2	61.7	61.7	50.2	49.5	46.9
92.5°	185.8	56.6	51.4	59.8	54.0	45.7	50.2	49.5	39.9	37.9	36.0
95°	173.6	50.8	51.4	54.0	47.6	37.3	40.5	37.9	28.3	26.4	24.4
97.5°	81.7	35.4	48.9	46.9	39.2	28.9	33.4	28.9	19.9	17.4	17.4
100°	19.3	30.2	41.8	42.4	31.5	21.9	23.1	18.6	12.9	10.9	10.9
102.5°	19.3	13.5	25.7	33.4	19.3	9.0	12.9	12.2	9.6	9.6	10.3
105°	19.3	12.9	12.9	21.9	11.6	5.8	5.8	7.7	8.4	10.9	12.2
107.5°	19.9	13.5	10.3	10.3	8.4	5.8	5.1	5.8	8.4	12.9	13.5
110°	16.7	12.2	9.6	9.0	8.4	5.8	4.5	5.8	8.4	14.1	15.4



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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.2	10.9	8.4	8.4	7.1	5.8	4.5	5.1	9.0	15.4	16.7
115°	12.2	10.3	7.7	7.1	5.8	5.1	4.5	5.1	9.6	16.7	18.0
117.5°	12.9	10.3	7.1	6.4	5.1	3.9	3.9	5.1	9.6	17.4	18.6
120°	12.9	10.3	7.1	6.4	5.1	3.9	3.9	5.8	10.3	16.7	18.0
122.5°	12.2	10.3	7.1	6.4	5.1	3.2	3.9	5.1	9.6	16.1	17.4
125°	10.9	9.6	7.1	5.8	5.1	3.2	3.9	5.1	9.6	15.4	16.1
127.5°	10.3	9.0	6.4	5.8	4.5	3.2	3.9	5.1	9.0	14.1	14.8
130°	9.0	8.4	5.8	5.1	4.5	3.2	3.9	5.1	9.0	12.9	13.5
132.5°	7.1	6.4	5.1	4.5	4.5	3.2	3.9	4.5	7.1	10.9	11.6
135°	5.1	5.1	4.5	4.5	4.5	3.2	3.9	3.9	5.8	8.4	9.0
137.5°	3.9	3.9	3.9	4.5	3.9	3.2	3.2	3.9	5.1	6.4	7.1
140°	3.9	3.9	3.9	4.5	3.9	3.2	3.2	3.9	4.5	5.1	5.8
142.5°	3.9	3.9	3.9	4.5	3.9	2.6	3.2	3.9	4.5	5.1	5.1
145°	4.5	4.5	4.5	4.5	3.9	2.6	2.6	3.9	4.5	5.1	5.1
147.5°	5.1	5.1	4.5	4.5	3.9	1.9	1.9	3.9	4.5	5.1	5.1
150°	5.1	5.1	4.5	4.5	3.2	1.9	1.9	3.2	4.5	4.5	4.5
152.5°	3.9	3.9	3.9	3.9	3.2	1.3	1.3	2.6	3.9	3.9	3.9
155°	3.2	3.2	3.2	3.2	2.6	1.3	0.6	1.9	3.2	3.2	3.2
157.5°	1.9	2.6	2.6	3.2	2.6	1.3	0.6	1.3	2.6	2.6	2.6
160°	1.3	1.9	1.9	2.6	2.6	1.3	0.6	1.3	1.9	1.9	1.9
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)