

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: P414075

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T4W-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414075  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-830-U-T4W-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7538 lumens  
Efficiency: N/A  
Efficacy: 78.5 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B2 - U3 - G3

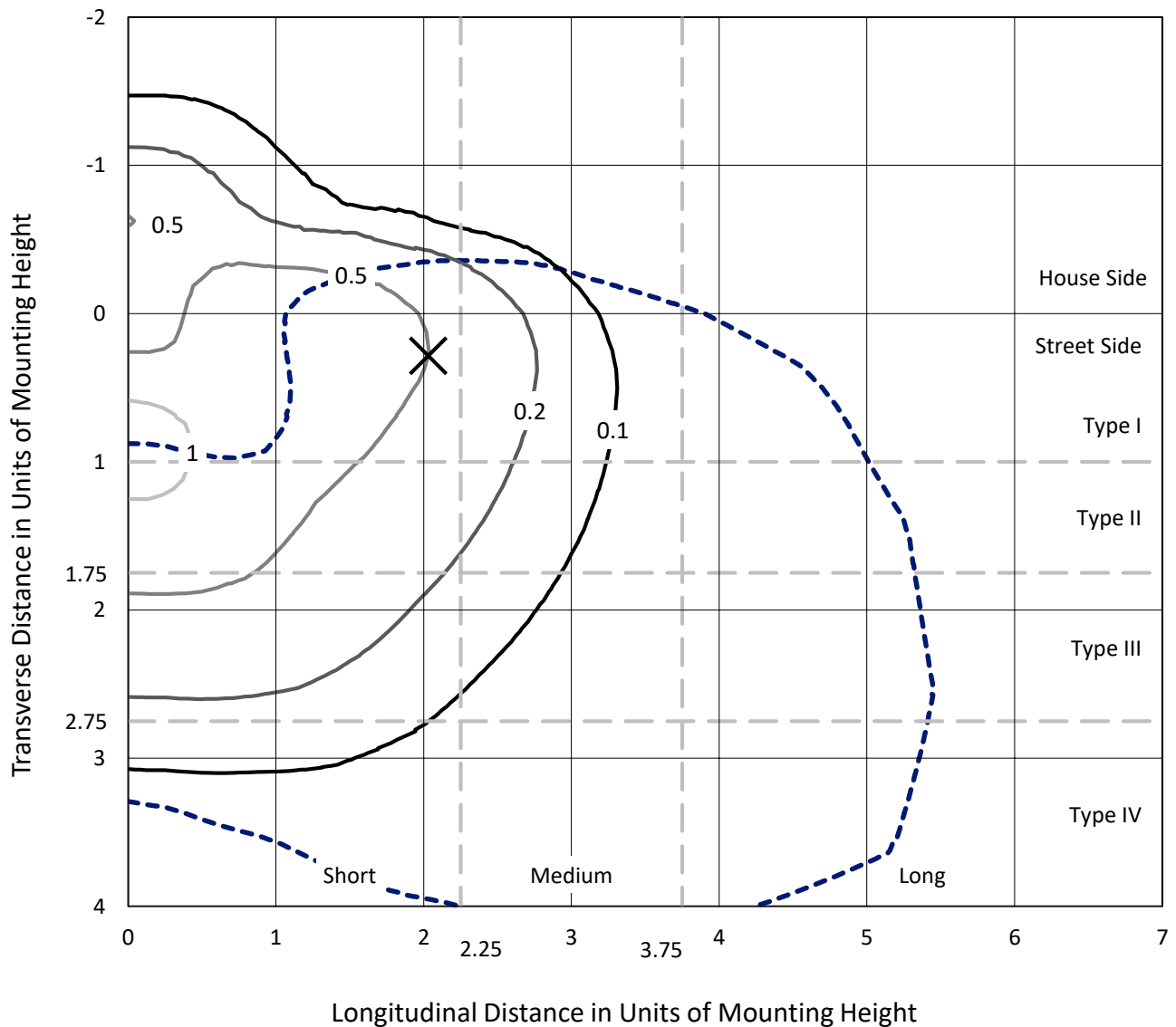
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

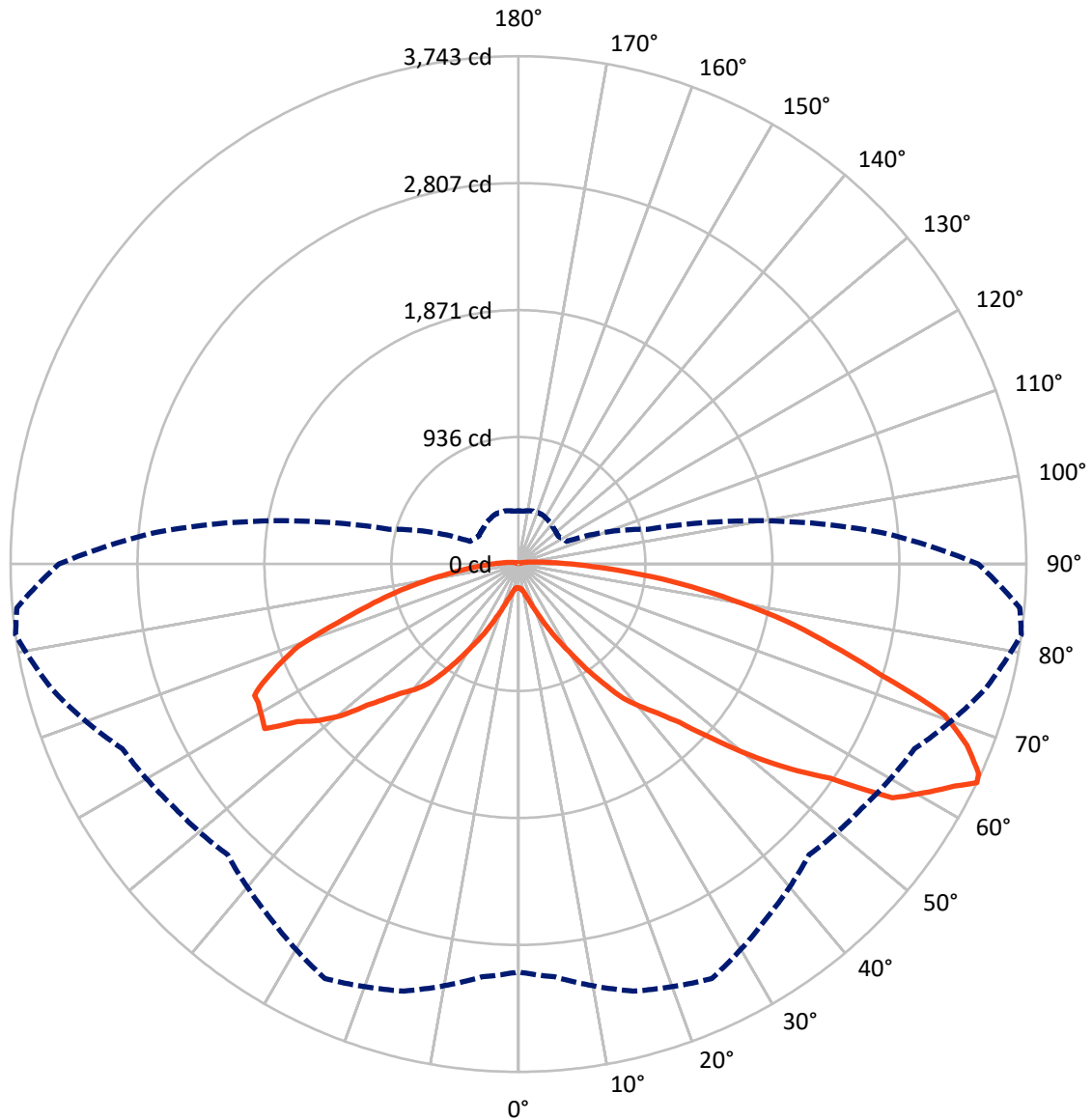
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 64-Deg Vertical

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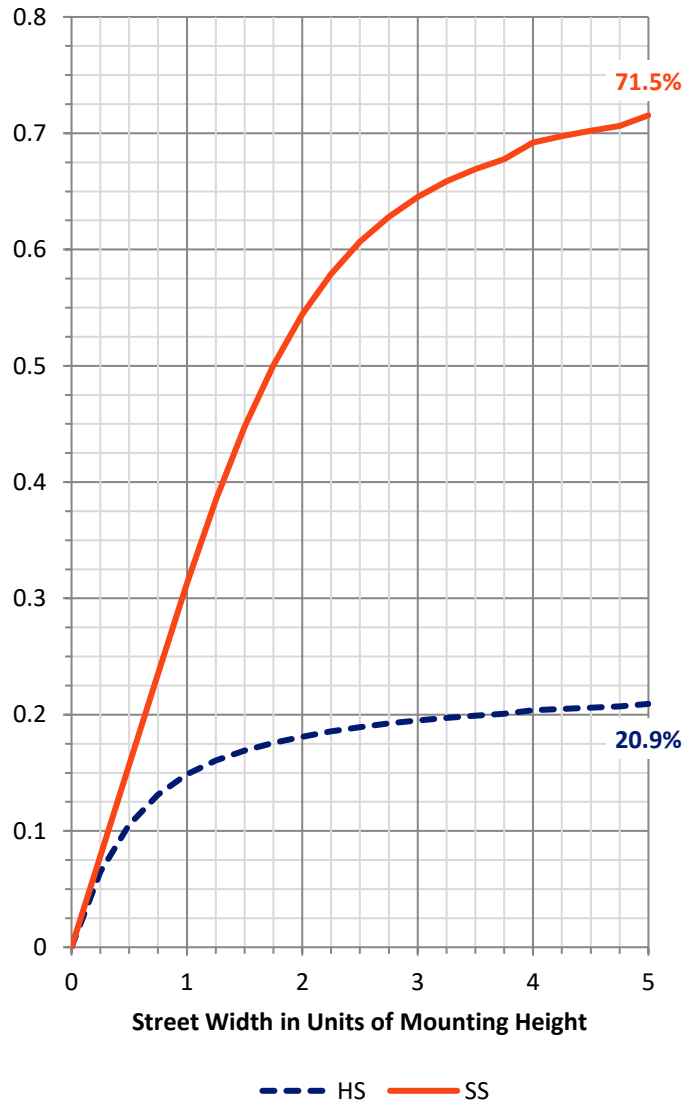
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1657.1	124.1	1781.2
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	5594.1	162.7	5756.8
	% Fixture	74.2	2.2	76.4
<b>Total</b>	Lumens	7251.2	286.8	7538.0
	% Fixture	96.2	3.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.2	0.2
10°-20°	77.5	1.0
20°-30°	223.4	3.0
30°-40°	513.0	6.8
40°-50°	900.9	12.0
50°-60°	1447.1	19.2
60°-70°	1942.5	25.8
70°-80°	1485.2	19.7
80°-90°	643.3	8.5
90°-100°	180.7	2.4
100°-110°	54.9	0.7
110°-120°	24.1	0.3
120°-130°	13.8	0.2
130°-140°	8.4	0.1
140°-150°	3.7	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7251.2	96.2
0°-180°	7538.0	100.0

**Coefficient of Utilization**



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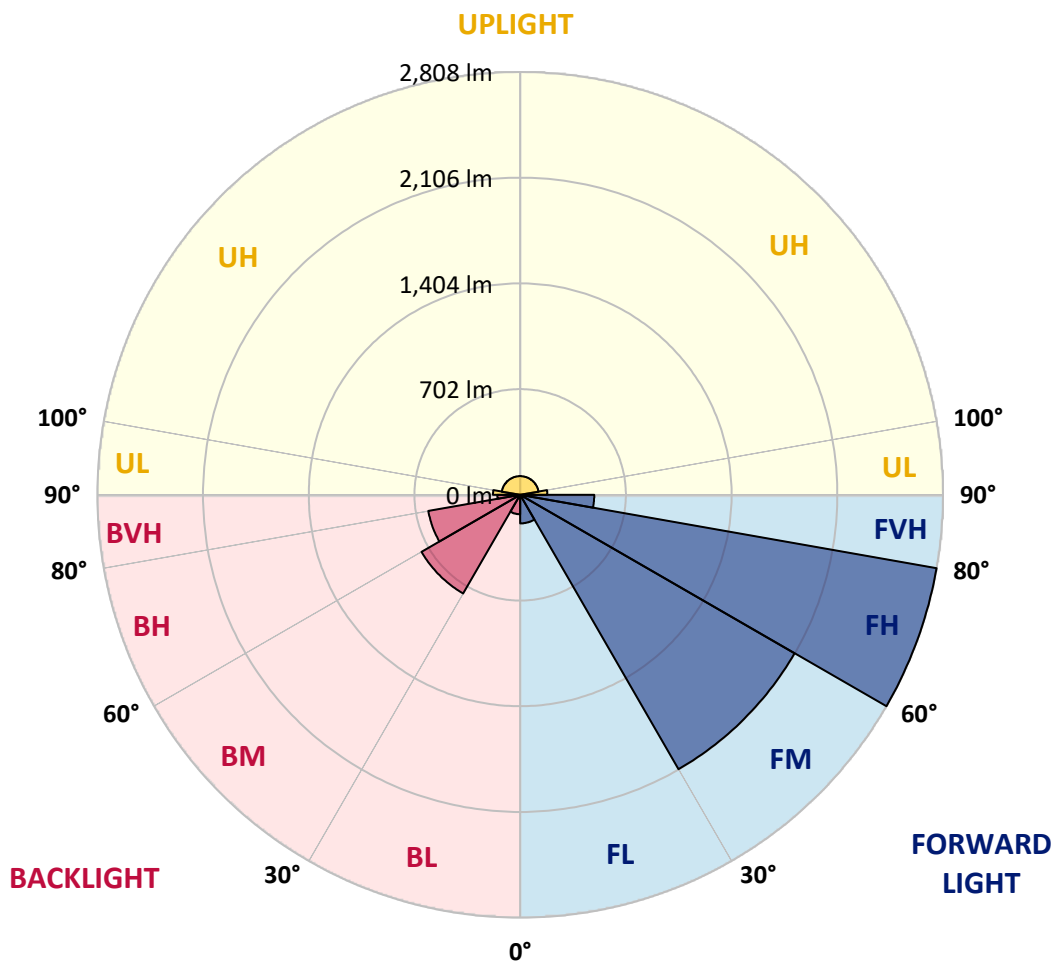
CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T4W-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	189.8	2.5			
FM	(30°-60°)	2104.2	27.9			
FH	(60°-80°)	2808.3	37.3			G2/5000
FVH	(80°-90°)	491.7	6.5			G3/500
BL	(0°-30°)	129.3	1.7	B1/500		
BM	(30°-60°)	756.8	10.0	B1/1000		
BH	(60°-80°)	619.4	8.2	B2/1000		G2/1000
BVH	(80°-90°)	151.5	2.0			G2/225
UL	(90°-100°)	180.7	2.4		U3/500	
UH	(100°-180°)	124.1	1.6		U3/500	

**BUG Rating: B2-U3-G3**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1
2.5°	189.1	188.3	188.3	189.1	189.1	187.4	183.9	181.3	178.7	177.9	177.0
5°	206.5	205.6	204.7	205.6	203.0	200.4	195.2	190.0	186.5	183.1	182.2
7.5°	229.9	229.0	228.2	226.4	223.0	217.8	210.0	203.0	196.9	192.6	190.9
10°	260.3	256.8	255.9	252.5	246.4	237.7	229.0	220.4	213.4	207.3	204.7
12.5°	301.9	301.9	295.0	287.2	276.8	263.7	252.5	245.5	238.6	235.1	229.9
15°	353.1	351.4	344.4	331.4	314.1	299.3	287.2	278.5	274.2	268.1	265.5
17.5°	409.5	406.0	400.0	380.0	359.2	343.6	329.7	321.0	318.4	313.2	312.3
20°	483.2	478.0	463.3	439.0	410.4	393.0	380.0	370.5	369.6	371.3	370.5
22.5°	570.9	567.4	549.2	504.9	472.8	447.7	430.3	432.1	443.3	448.5	441.6
25°	675.8	679.3	648.9	589.9	547.4	504.9	498.0	507.5	532.7	546.6	547.4
27.5°	799.9	799.0	759.1	694.1	628.1	580.4	569.1	596.9	632.5	652.4	652.4
30°	938.7	950.9	894.5	809.4	717.5	661.1	652.4	694.9	732.2	767.8	778.2
32.5°	1123.5	1120.9	1048.0	945.7	823.3	743.5	736.6	790.4	874.5	924.0	924.0
35°	1353.4	1343.9	1242.4	1088.8	924.8	835.5	836.3	911.0	1022.0	1082.7	1088.8
37.5°	1551.2	1559.0	1456.7	1270.1	1055.8	940.4	950.9	1051.5	1185.1	1256.2	1280.5
40°	1762.9	1765.5	1652.7	1449.7	1197.3	1052.4	1077.5	1193.8	1320.4	1379.4	1402.9
42.5°	1949.4	1965.1	1852.3	1630.2	1340.4	1189.4	1201.6	1303.1	1428.9	1499.2	1532.1
45°	2077.8	2086.5	2017.1	1795.9	1495.7	1329.1	1327.4	1422.0	1584.2	1662.3	1715.2
47.5°	2252.2	2275.6	2175.9	1962.4	1655.3	1471.4	1456.7	1578.1	1791.5	1918.2	1963.3
50°	2457.0	2492.5	2422.3	2164.6	1837.5	1638.8	1641.4	1786.3	2049.2	2214.9	2261.8
52.5°	2660.8	2674.7	2627.9	2407.5	2049.2	1834.0	1854.9	2036.2	2338.1	2508.2	2536.8
55°	2770.2	2790.1	2804.0	2629.6	2303.4	2065.7	2102.1	2320.8	2584.5	2784.0	2849.1
57.5°	2874.3	2902.0	2938.5	2819.6	2555.9	2352.0	2387.6	2581.9	2967.1	3251.7	3301.1
60°	3050.4	3074.7	3145.0	3047.8	2787.5	2625.3	2662.6	2935.9	3230.8	3426.9	3432.1
62.5°	3047.8	3086.0	3256.0	3280.3	3035.6	2888.1	2979.2	3126.7	3360.1	3606.5	3601.3
64°	3006.1	3053.9	3258.6	3371.4	3186.6	3030.4	3109.4	3220.4	3560.5	3742.7	3709.7
65°	2976.6	3029.6	3250.8	3394.8	3269.0	3111.1	3170.1	3298.5	3618.6	3727.1	3682.0
67.5°	2814.4	2873.4	3166.6	3392.2	3354.0	3237.8	3256.9	3376.6	3522.3	3564.9	3484.2
70°	2523.8	2555.0	2888.1	3249.9	3269.9	3158.8	3210.9	3272.5	3352.3	3331.5	3225.6
72.5°	1991.9	2056.1	2392.8	2908.1	3021.8	2941.9	2961.9	2992.3	2911.6	2791.8	2666.1
75°	1418.5	1475.7	1789.8	2293.9	2631.3	2599.2	2627.0	2578.4	2489.1	2379.8	2256.6
77.5°	986.4	1004.6	1264.1	1730.8	2103.0	2201.0	2260.9	2192.4	2142.0	2011.0	1912.1
80°	638.5	668.9	832.0	1253.6	1666.6	1867.0	1963.3	1919.1	1801.9	1592.9	1480.1
82.5°	395.6	419.9	548.3	890.1	1321.3	1599.8	1692.6	1631.9	1444.5	1211.1	1098.3
85°	226.4	231.6	321.0	579.5	965.6	1271.0	1395.1	1297.9	1080.1	854.6	755.7
87.5°	130.1	134.5	191.7	354.8	668.0	957.8	1075.8	934.4	725.3	549.2	484.1
90°	83.3	88.5	124.1	231.6	430.3	684.5	771.3	641.1	485.8	347.9	306.3
92.5°	57.3	59.9	83.3	144.0	277.6	452.0	515.3	428.6	302.8	222.1	196.9
95°	41.6	43.4	59.0	98.0	178.7	283.7	318.4	271.6	198.7	147.5	131.9
97.5°	33.8	34.7	46.0	72.0	123.2	180.5	190.9	169.2	131.9	105.0	98.9
100°	28.6	29.5	38.2	55.5	87.6	118.0	120.6	113.7	92.8	78.1	74.6
102.5°	26.0	26.0	32.1	45.1	65.9	84.2	84.2	78.1	64.2	57.3	57.3
105°	23.4	23.4	27.8	37.3	52.1	65.1	64.2	57.3	48.6	43.4	44.2
107.5°	20.8	20.8	24.3	30.4	42.5	51.2	49.5	42.5	37.3	33.8	34.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
110°	19.1	19.1	21.7	26.0	35.6	42.5	39.9	33.0	27.8	27.8	28.6
112.5°	17.4	17.4	19.1	23.4	30.4	34.7	32.1	26.0	22.6	22.6	23.4
115°	15.6	15.6	17.4	20.8	26.9	29.5	26.9	20.8	18.2	19.1	20.8
117.5°	14.7	14.7	16.5	19.1	23.4	25.2	22.6	17.4	15.6	17.4	18.2
120°	13.9	13.9	15.6	18.2	21.7	22.6	19.1	15.6	13.9	15.6	16.5
122.5°	13.9	13.9	14.7	17.4	20.0	20.0	17.4	13.9	12.1	13.9	14.7
125°	13.9	13.9	14.7	16.5	18.2	18.2	15.6	12.1	11.3	13.0	13.0
127.5°	14.7	14.7	15.6	16.5	17.4	16.5	13.9	11.3	10.4	12.1	12.1
130°	14.7	14.7	14.7	15.6	15.6	14.7	12.1	10.4	10.4	11.3	12.1
132.5°	14.7	14.7	14.7	14.7	14.7	13.0	11.3	9.5	10.4	11.3	12.1
135°	13.9	13.9	13.9	13.9	13.0	11.3	9.5	7.8	9.5	10.4	10.4
137.5°	12.1	13.0	12.1	12.1	12.1	10.4	7.8	6.9	7.8	9.5	9.5
140°	11.3	11.3	11.3	11.3	10.4	8.7	6.9	5.2	6.1	7.8	7.8
142.5°	10.4	10.4	10.4	9.5	9.5	7.8	5.2	4.3	5.2	6.1	6.1
145°	8.7	8.7	8.7	8.7	7.8	6.1	4.3	3.5	4.3	5.2	5.2
147.5°	6.9	6.9	6.9	6.9	6.1	5.2	3.5	3.5	4.3	4.3	4.3
150°	5.2	6.1	6.1	6.1	5.2	4.3	2.6	2.6	3.5	4.3	4.3
152.5°	4.3	4.3	4.3	5.2	4.3	2.6	1.7	2.6	3.5	3.5	3.5
155°	2.6	3.5	3.5	3.5	3.5	2.6	1.7	2.6	2.6	3.5	3.5
157.5°	1.7	1.7	2.6	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6
160°	0.9	0.9	1.7	2.6	2.6	2.6	1.7	1.7	2.6	2.6	2.6
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°	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1	176.1
2.5°	176.1	175.2	173.5	171.8	170.9	170.9	169.2	168.3	165.7	165.7	164.8
5°	179.6	177.9	174.4	170.9	168.3	167.4	165.7	163.1	161.4	160.5	160.5
7.5°	187.4	184.8	177.9	173.5	170.0	167.4	165.7	163.1	161.4	160.5	160.5
10°	200.4	196.1	188.3	180.5	175.2	171.8	170.0	169.2	168.3	167.4	167.4
12.5°	225.6	219.5	206.5	196.9	186.5	181.3	179.6	181.3	185.7	187.4	188.3
15°	260.3	252.5	236.8	219.5	203.9	195.2	198.7	207.3	215.2	218.6	217.8
17.5°	303.7	291.5	272.4	249.0	227.3	223.0	226.4	236.0	247.3	252.5	251.6
20°	359.2	349.6	321.0	282.8	258.5	251.6	254.2	266.3	282.8	288.0	289.8
22.5°	435.5	421.6	377.4	324.5	292.4	279.4	282.0	297.6	320.1	332.3	334.9
25°	534.4	519.7	454.6	373.9	323.6	303.7	314.1	334.9	371.3	390.4	388.7
27.5°	648.9	623.8	538.8	434.7	360.0	328.8	344.4	378.3	416.4	440.7	439.0
30°	754.8	733.1	619.4	490.2	391.3	353.1	369.6	413.0	457.2	486.7	488.4
32.5°	913.6	873.6	714.0	537.9	416.4	373.1	388.7	441.6	492.8	528.4	527.5
35°	1077.5	1032.4	818.1	593.4	438.1	386.1	402.6	462.4	518.8	561.3	562.2
37.5°	1250.2	1186.8	911.0	629.9	455.5	393.9	410.4	477.2	549.2	597.8	599.5
40°	1366.4	1294.4	967.3	648.9	460.7	399.1	417.3	487.6	554.4	589.9	593.4
42.5°	1496.6	1395.1	996.8	633.3	454.6	398.2	419.0	479.8	531.8	557.0	559.6
45°	1676.2	1539.9	1028.9	609.0	438.1	395.6	412.1	458.9	492.8	502.3	502.3
47.5°	1909.5	1716.1	1082.7	583.0	420.8	387.8	400.0	430.3	443.3	441.6	437.3
50°	2189.8	1965.9	1147.8	560.5	404.3	378.3	386.1	403.4	407.8	402.6	400.0
52.5°	2469.1	2167.2	1192.9	540.5	393.9	369.6	374.8	387.8	387.8	372.2	369.6
55°	2725.0	2349.4	1180.8	502.3	386.1	365.2	370.5	380.0	372.2	354.0	350.5
57.5°	3138.9	2664.3	1212.0	465.0	374.8	364.4	371.3	377.4	366.1	348.8	345.3
60°	3212.6	2651.3	1138.3	441.6	367.0	367.0	374.8	381.7	373.9	358.3	357.4
62.5°	3315.0	2663.4	1026.3	407.8	361.8	368.7	382.6	393.0	392.1	380.9	379.1
64°	3387.0	2680.8	986.4	392.1	357.4	368.7	388.7	404.3	404.3	391.3	391.3
65°	3315.9	2614.9	956.9	384.3	353.1	368.7	392.1	411.2	409.5	399.1	397.3
67.5°	3100.7	2400.6	832.0	367.0	343.6	368.7	401.7	422.5	425.1	416.4	413.0
70°	2837.8	2166.3	723.6	347.0	334.0	364.4	401.7	429.4	433.8	424.2	421.6
72.5°	2312.9	1742.1	596.9	325.3	320.1	354.0	396.5	426.0	430.3	419.0	415.6
75°	1939.0	1422.8	494.5	304.5	305.4	341.0	383.5	410.4	410.4	398.2	393.0
77.5°	1597.2	1148.7	409.5	284.6	288.0	324.5	360.0	377.4	372.2	360.9	354.0
80°	1196.4	867.6	337.5	262.9	266.3	297.6	327.1	339.2	334.0	320.1	318.4
82.5°	875.4	623.8	288.0	240.3	242.9	268.1	289.8	300.2	304.5	293.2	289.8
85°	575.2	439.9	247.3	217.8	219.5	238.6	252.5	261.1	270.7	267.2	265.5
87.5°	375.7	304.5	209.1	191.7	193.5	209.1	218.6	227.3	246.4	249.0	245.5
90°	252.5	213.4	172.6	165.7	168.3	181.3	186.5	195.2	216.0	219.5	219.5
92.5°	169.2	152.7	139.7	139.7	144.0	155.3	156.2	158.8	176.1	180.5	178.7
95°	118.9	113.7	112.8	114.5	119.7	128.4	124.1	122.3	133.6	134.5	132.7
97.5°	91.1	89.4	91.1	93.7	96.3	105.0	100.6	96.3	101.5	99.8	101.5
100°	72.9	72.0	74.6	74.6	77.2	85.0	81.6	78.9	79.8	76.3	76.3
102.5°	58.1	58.1	60.7	61.6	63.3	69.4	68.5	65.9	64.2	60.7	61.6
105°	45.1	46.0	49.5	50.3	52.9	58.1	57.3	53.8	52.1	47.7	48.6
107.5°	36.4	38.2	40.8	41.6	44.2	48.6	46.8	43.4	40.8	39.0	39.0



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CATALOG NUMBER: LXF.LXT-PA1-100-830-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	30.4	31.2	33.8	34.7	37.3	40.8	39.9	35.6	32.1	31.2	32.1
112.5°	25.2	26.9	28.6	29.5	32.1	34.7	32.1	28.6	26.0	26.9	26.9
115°	21.7	22.6	24.3	25.2	26.9	29.5	26.9	23.4	21.7	22.6	23.4
117.5°	20.0	20.8	21.7	21.7	23.4	25.2	22.6	20.0	19.1	20.0	20.8
120°	17.4	18.2	19.1	20.0	20.8	21.7	20.0	17.4	16.5	18.2	18.2
122.5°	15.6	16.5	16.5	17.4	18.2	19.1	17.4	15.6	14.7	15.6	16.5
125°	13.9	14.7	15.6	15.6	16.5	16.5	15.6	13.9	13.9	14.7	14.7
127.5°	13.0	13.9	13.9	14.7	14.7	14.7	13.9	12.1	13.0	13.9	13.9
130°	13.0	13.0	13.0	13.0	13.0	13.0	12.1	11.3	12.1	13.0	13.0
132.5°	12.1	12.1	12.1	12.1	12.1	11.3	10.4	10.4	11.3	12.1	12.1
135°	11.3	11.3	10.4	10.4	10.4	10.4	9.5	9.5	9.5	10.4	10.4
137.5°	9.5	9.5	8.7	8.7	8.7	8.7	7.8	7.8	8.7	9.5	9.5
140°	7.8	7.8	6.9	6.9	6.9	6.9	6.9	6.9	7.8	7.8	8.7
142.5°	6.1	6.1	6.1	5.2	5.2	6.1	6.1	6.1	6.9	6.9	6.9
145°	5.2	5.2	5.2	4.3	4.3	5.2	5.2	5.2	6.1	6.1	6.1
147.5°	4.3	4.3	4.3	3.5	2.6	4.3	4.3	4.3	5.2	4.3	4.3
150°	4.3	4.3	3.5	2.6	2.6	2.6	3.5	3.5	3.5	3.5	3.5
152.5°	3.5	3.5	3.5	2.6	1.7	1.7	2.6	3.5	2.6	2.6	2.6
155°	3.5	3.5	2.6	2.6	1.7	0.9	1.7	2.6	1.7	1.7	1.7
157.5°	2.6	2.6	2.6	1.7	0.9	0.9	1.7	1.7	0.9	0.9	0.9
160°	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	0.9	0.0	0.0
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

(END OF REPORT)