

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: P416960

Luminaire Tested: **LXF.LXT-PA1-80-830-U-T2R-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416960  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-830-U-T2R-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6713 lumens  
Efficiency: N/A  
Efficacy: 80.9 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 - G3

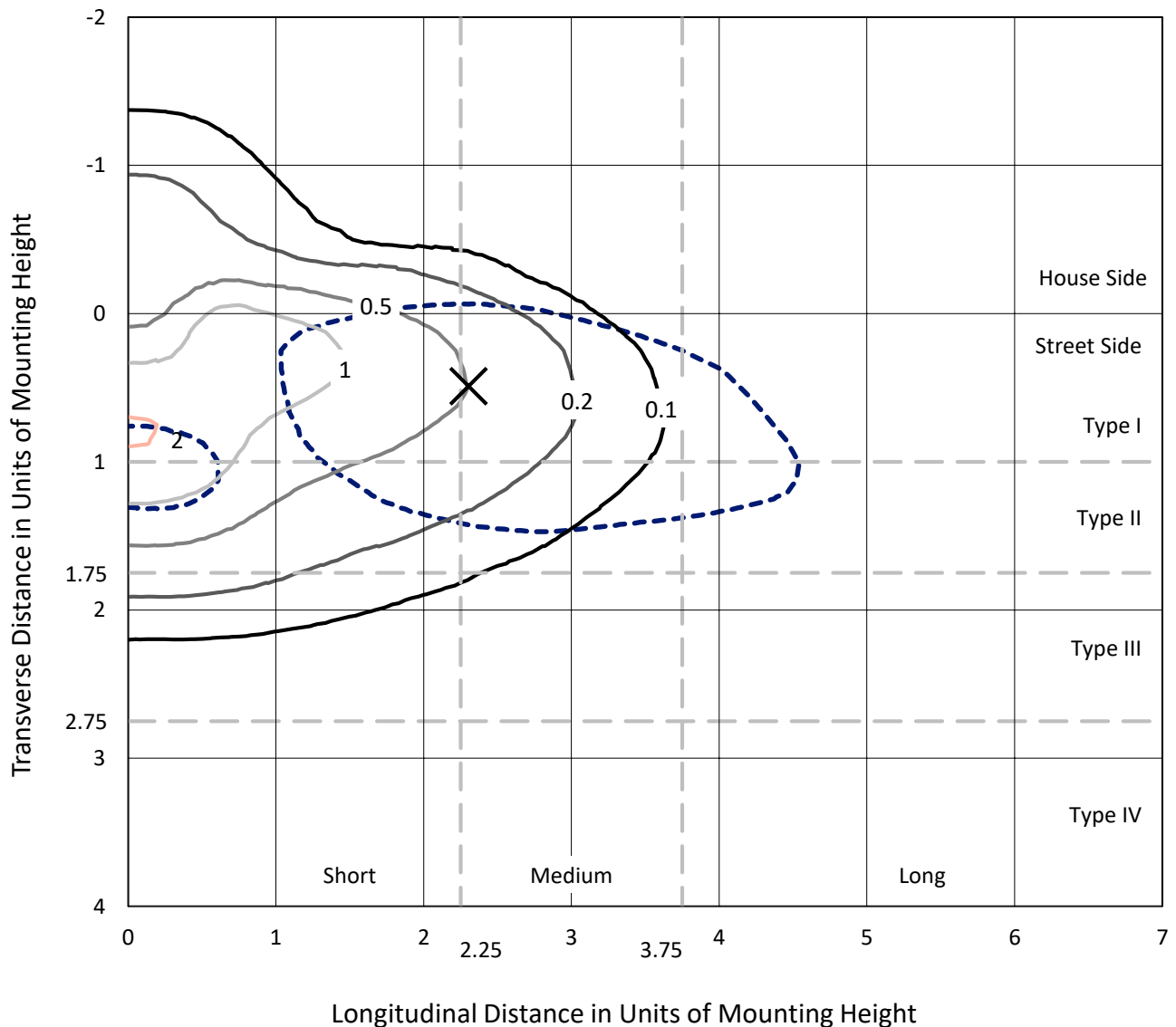
Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

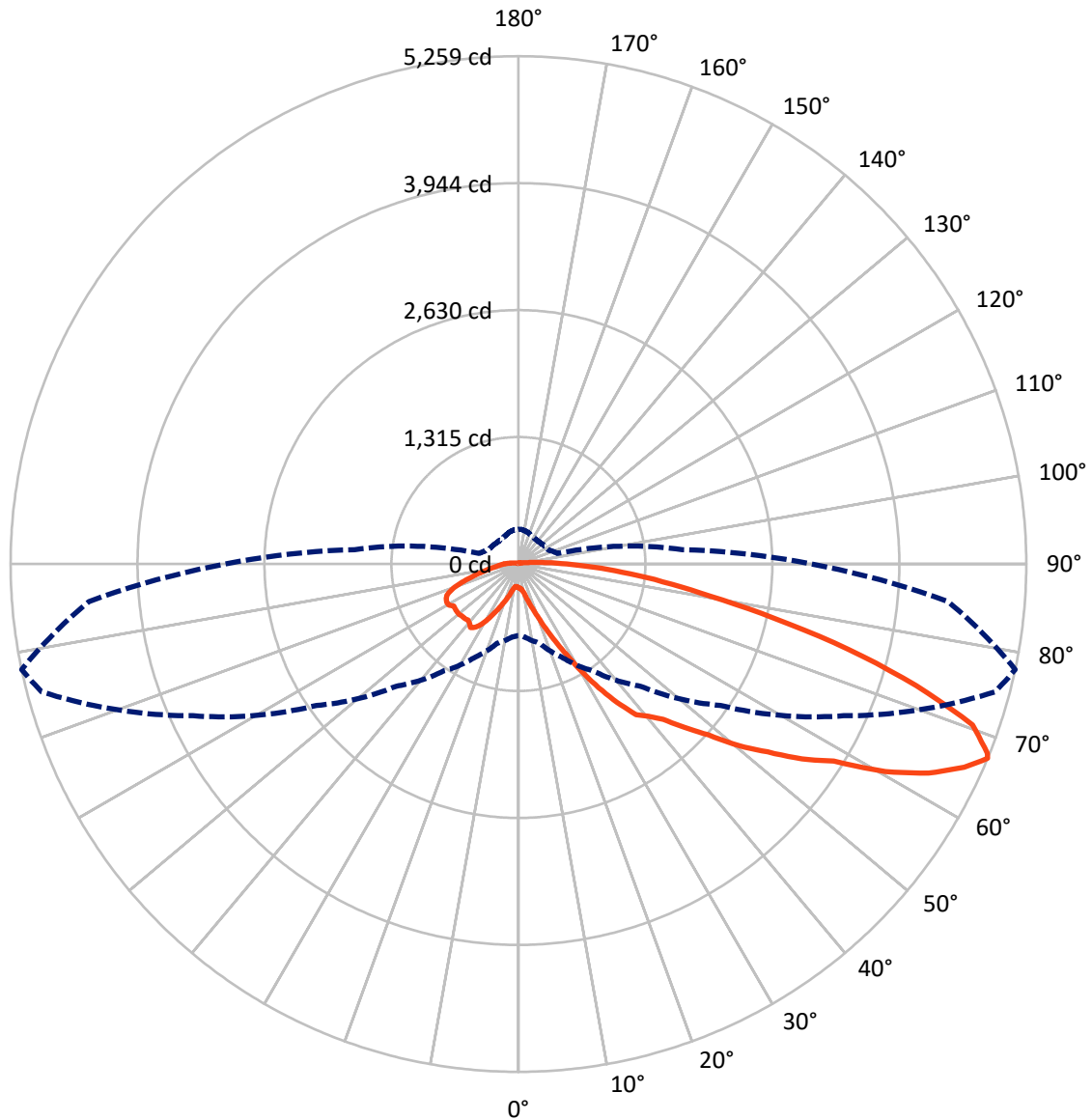
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1241.9	101.6	1343.5
	% Fixture	18.5	1.5	20.0
<b>Street Side</b>	Lumens	5261.3	108.2	5369.5
	% Fixture	78.4	1.6	80.0
<b>Total</b>	Lumens	6503.2	209.8	6713.0
	% Fixture	96.9	3.1	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.7	0.4
10°-20°	104.4	1.6
20°-30°	313.2	4.7
30°-40°	717.0	10.7
40°-50°	1145.2	17.1
50°-60°	1411.3	21.0
60°-70°	1471.0	21.9
70°-80°	953.8	14.2
80°-90°	362.6	5.4
90°-100°	112.0	1.7
100°-110°	43.1	0.6
110°-120°	23.2	0.3
120°-130°	15.4	0.2
130°-140°	10.1	0.2
140°-150°	4.5	0.1
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6503.2	96.9
0°-180°	6713.0	100.0



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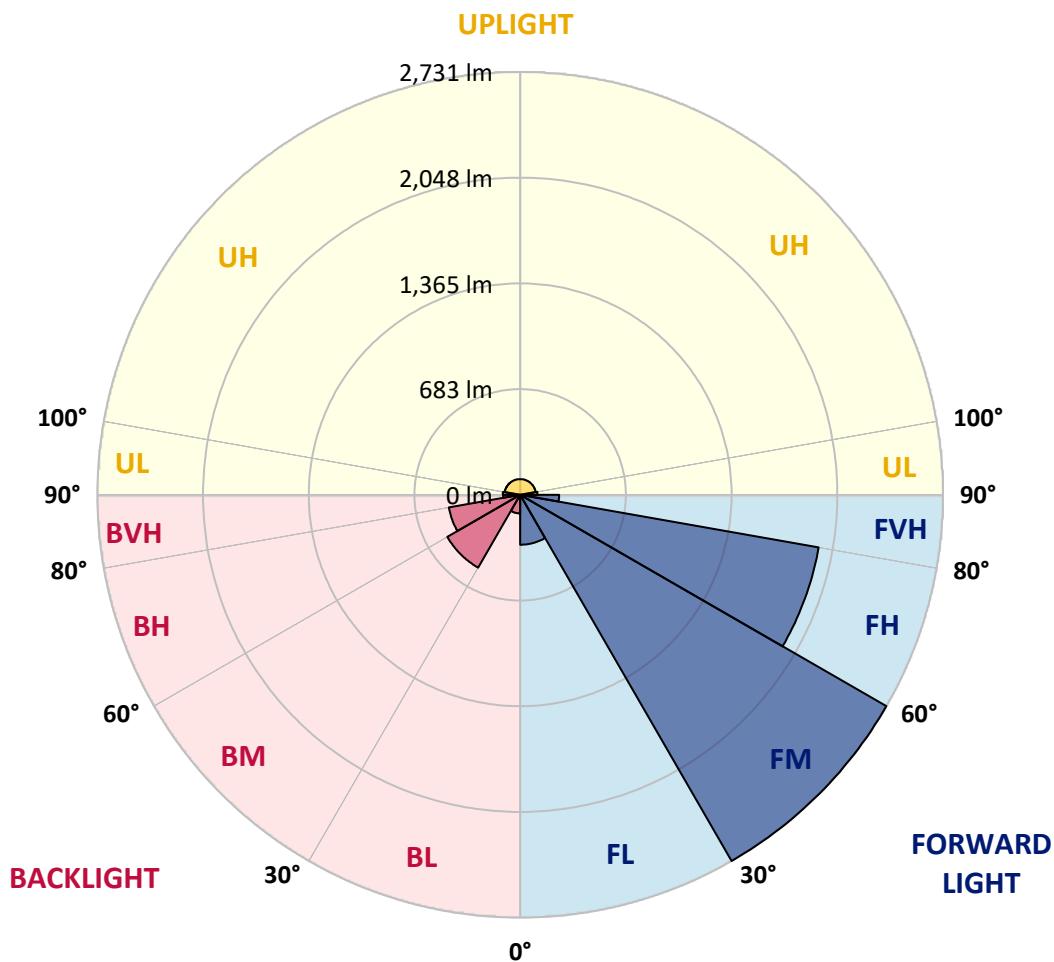
CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2R-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.3	4.8			
FM (30°-60°)	2730.5	40.7			
FH (60°-80°)	1956.9	29.2			G2/5000
FVH (80°-90°)	251.5	3.7			G3/500
BL (0°-30°)	120.0	1.8	B1/500		
BM (30°-60°)	543.0	8.1	B1/1000		
BH (60°-80°)	467.9	7.0	B1/500		G1/500
BVH (80°-90°)	111.1	1.7			G2/225
UL (90°-100°)	112.0	1.7		U3/500	
UH (100°-180°)	101.6	1.5		U3/500	

**BUG Rating: B1-U3-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	276.5	275.7	274.9	273.3	270.2	267.0	262.2	255.9	251.1	250.3	245.5
5°	311.5	309.1	309.1	305.1	298.8	292.4	282.9	271.7	263.0	258.2	251.1
7.5°	354.4	349.6	351.2	344.8	336.1	325.0	309.9	294.8	278.1	273.3	263.0
10°	406.0	402.9	399.7	391.7	381.4	363.9	349.6	327.4	305.1	298.8	282.9
12.5°	468.8	469.6	460.1	451.3	433.8	416.4	398.9	377.4	352.8	345.6	325.0
15°	557.0	556.2	545.9	526.0	504.6	485.5	471.2	448.1	424.3	416.4	385.4
17.5°	660.3	657.9	650.0	615.0	593.6	578.5	557.8	543.5	509.3	500.6	462.4
20°	811.3	797.0	778.7	731.8	700.0	681.0	664.3	646.0	609.4	594.3	549.1
22.5°	978.9	986.1	952.7	880.4	827.2	792.2	774.7	765.2	737.4	727.0	658.7
25°	1187.1	1187.1	1134.7	1055.2	986.1	920.9	916.9	928.1	890.7	883.6	811.3
27.5°	1406.4	1415.2	1346.0	1261.0	1156.1	1079.8	1075.9	1085.4	1082.2	1061.6	958.3
30°	1656.7	1648.8	1570.9	1467.6	1328.5	1238.8	1227.6	1296.8	1302.3	1288.0	1175.2
32.5°	1948.3	1942.0	1844.2	1684.5	1512.9	1409.6	1416.7	1514.5	1552.6	1528.0	1396.1
35°	2302.7	2310.6	2157.3	1932.4	1706.0	1586.8	1594.7	1717.1	1788.6	1758.4	1609.8
37.5°	2666.6	2669.0	2528.4	2224.0	1913.4	1744.1	1763.2	1912.6	2004.7	1980.1	1775.9
40°	2897.0	2920.9	2785.8	2496.6	2131.9	1901.4	1917.3	2065.1	2119.2	2073.1	1833.1
42.5°	3098.9	3117.1	2979.7	2669.0	2297.9	2042.1	2036.5	2148.6	2226.4	2197.8	1950.7
45°	3198.2	3234.0	3110.0	2789.0	2414.7	2151.7	2108.8	2276.5	2449.7	2413.9	2141.4
47.5°	3125.9	3169.6	3117.1	2851.8	2467.2	2220.9	2230.4	2460.8	2684.9	2645.2	2349.6
50°	2889.9	2942.3	2959.8	2804.9	2480.7	2255.0	2356.7	2666.6	2967.0	2959.0	2605.4
52.5°	2605.4	2633.2	2709.5	2663.4	2430.6	2294.8	2493.4	2866.1	3257.8	3233.2	2817.6
55°	2342.4	2379.0	2441.8	2414.7	2306.7	2299.5	2601.5	3088.5	3566.9	3563.7	3084.6
57.5°	1980.1	2031.0	2162.9	2178.0	2146.2	2270.1	2680.1	3263.4	3840.2	3851.3	3352.3
60°	1520.0	1562.9	1763.2	1922.9	1950.7	2201.0	2719.9	3455.6	4307.4	4365.4	3820.4
62.5°	1232.4	1240.3	1392.1	1591.5	1780.7	2074.7	2726.2	3698.8	4715.8	4768.3	4100.8
65°	922.5	920.9	1060.8	1288.0	1551.0	1926.9	2706.3	3775.1	4937.5	5071.8	4368.6
67°	741.3	758.8	848.6	1064.7	1352.4	1788.6	2552.2	3718.6	5111.5	5259.3	4466.3
67.5°	712.7	721.5	803.3	1007.5	1307.1	1747.3	2506.9	3704.3	5110.8	5236.3	4436.9
70°	568.9	580.8	640.4	775.5	1045.7	1476.3	2188.3	3372.2	4808.0	4990.8	4167.6
72.5°	439.4	448.9	491.1	593.6	796.2	1188.7	1810.1	2901.8	4163.6	4308.2	3533.5
75°	334.5	337.7	377.4	447.3	607.9	906.6	1397.7	2285.2	3423.9	3533.5	2871.6
77.5°	259.0	266.2	296.4	343.3	451.3	682.5	1052.0	1779.9	2723.8	2707.1	2183.5
80°	201.8	208.2	230.4	263.0	338.5	501.4	770.0	1315.8	1989.6	2009.5	1598.7
82.5°	162.1	166.9	182.0	205.8	260.6	381.4	562.6	983.7	1512.9	1505.7	1172.0
85°	129.5	132.7	143.8	164.5	201.0	289.2	415.6	731.0	1067.9	1076.7	800.1
87.5°	100.9	104.9	117.6	130.3	158.9	220.1	306.7	506.9	710.4	717.5	549.9
90°	78.7	81.0	92.2	105.7	128.7	166.9	221.7	347.2	457.7	448.9	353.6
92.5°	58.0	60.4	70.7	83.4	100.1	128.7	159.7	222.5	267.8	273.3	220.9
95°	41.3	43.7	52.4	62.0	76.3	97.7	113.6	141.4	164.5	159.7	141.4
97.5°	31.8	32.6	38.9	46.1	58.0	75.5	84.2	97.7	108.1	105.7	98.5
100°	25.4	26.2	31.0	35.0	45.3	59.6	67.5	74.7	81.0	78.7	75.5
102.5°	21.5	22.2	25.4	28.6	37.3	50.1	54.8	59.6	62.0	62.0	60.4
105°	18.3	19.1	21.5	24.6	31.8	41.3	44.5	46.9	49.3	48.5	48.5
107.5°	16.7	16.7	19.1	21.5	27.8	35.0	36.6	37.3	38.1	38.1	39.7



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
110°	15.1	15.9	17.5	19.1	24.6	31.0	31.0	30.2	30.2	30.2	32.6
112.5°	14.3	15.1	15.9	18.3	23.0	27.0	26.2	24.6	24.6	25.4	27.8
115°	14.3	14.3	15.1	17.5	21.5	24.6	23.0	20.7	20.7	21.5	23.8
117.5°	14.3	14.3	15.9	17.5	20.7	22.2	20.7	18.3	17.5	18.3	20.7
120°	15.1	15.1	15.9	17.5	19.1	20.7	19.1	16.7	15.9	16.7	19.1
122.5°	15.9	15.9	15.9	17.5	18.3	19.1	17.5	15.1	14.3	15.1	17.5
125°	16.7	16.7	16.7	17.5	18.3	17.5	15.9	14.3	14.3	14.3	16.7
127.5°	18.3	18.3	18.3	18.3	17.5	16.7	15.1	13.5	14.3	14.3	15.9
130°	19.9	19.9	19.1	18.3	17.5	15.9	14.3	12.7	13.5	14.3	15.9
132.5°	20.7	19.9	19.1	17.5	16.7	14.3	12.7	11.9	12.7	13.5	15.1
135°	19.1	19.1	17.5	15.9	15.1	12.7	11.1	11.1	11.9	12.7	13.5
137.5°	16.7	16.7	15.9	14.3	13.5	11.9	10.3	9.5	11.1	11.9	12.7
140°	14.3	14.3	13.5	11.9	11.1	10.3	8.7	7.9	9.5	10.3	11.1
142.5°	11.9	11.9	11.1	9.5	9.5	8.7	7.2	7.2	8.7	8.7	9.5
145°	9.5	9.5	9.5	7.9	7.9	7.2	5.6	6.4	7.2	7.9	7.9
147.5°	7.9	7.9	7.9	6.4	6.4	5.6	4.0	4.8	5.6	6.4	6.4
150°	6.4	6.4	6.4	5.6	4.8	4.0	3.2	4.0	4.0	4.8	4.8
152.5°	4.8	4.8	4.8	4.0	4.0	2.4	2.4	3.2	3.2	4.0	4.0
155°	3.2	3.2	4.0	3.2	2.4	1.6	2.4	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
160°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	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°	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7	244.7
2.5°	243.1	241.6	237.6	233.6	229.6	226.5	222.5	221.7	221.7	220.1	220.1
5°	246.3	241.6	232.0	224.1	215.3	208.2	202.6	200.2	197.9	196.3	194.7
7.5°	253.5	245.5	229.6	216.9	204.2	193.1	185.1	181.2	178.8	176.4	177.2
10°	270.2	258.2	235.2	214.5	195.5	180.4	170.8	166.1	164.5	162.1	162.1
12.5°	305.9	290.0	256.7	221.7	192.3	171.6	160.5	158.9	160.5	162.9	162.9
15°	362.3	338.5	290.0	241.6	199.4	170.0	163.7	168.5	174.0	177.2	177.2
17.5°	431.5	398.9	329.8	264.6	209.8	184.3	176.4	182.8	189.9	194.7	194.7
20°	507.7	464.0	370.3	284.5	224.9	204.2	195.5	201.0	210.6	217.7	216.9
22.5°	607.1	543.5	417.2	301.9	243.1	222.5	216.9	224.1	238.4	247.9	248.7
25°	730.2	642.8	472.0	325.0	259.8	238.4	240.0	252.7	271.7	282.1	282.1
27.5°	861.3	750.9	518.9	348.0	277.3	255.1	263.0	280.5	301.1	313.1	314.7
30°	1034.5	889.9	577.7	371.1	292.4	271.7	281.3	301.9	317.0	324.2	325.0
32.5°	1210.9	1021.8	624.5	394.9	306.7	283.7	292.4	312.3	325.8	333.7	332.9
35°	1370.7	1128.3	652.4	406.0	319.4	292.4	296.4	317.8	325.8	330.5	329.8
37.5°	1493.0	1204.6	662.7	408.4	324.2	296.4	298.0	316.2	327.4	336.1	334.5
40°	1513.7	1194.3	623.7	394.1	323.4	296.4	299.6	320.2	332.1	336.1	335.3
42.5°	1590.0	1222.9	590.4	368.7	313.9	295.6	302.7	321.8	327.4	325.0	322.6
45°	1722.7	1283.3	580.8	356.0	301.9	293.2	304.3	317.8	317.0	312.3	310.7
47.5°	1853.8	1341.3	560.2	350.4	298.8	292.4	303.5	313.1	315.4	310.7	309.1
50°	2020.6	1418.3	543.5	342.5	299.6	292.4	301.9	313.1	314.7	306.7	305.9
52.5°	2170.0	1471.6	518.9	335.3	300.4	294.8	301.9	313.1	313.9	305.9	304.3
55°	2325.7	1528.0	493.4	328.2	302.7	297.2	304.3	313.9	314.7	309.1	307.5
57.5°	2481.5	1577.2	464.8	322.6	305.1	301.9	305.9	314.7	321.0	319.4	319.4
60°	2799.3	1718.7	460.1	323.4	307.5	305.9	307.5	318.6	330.5	326.6	327.4
62.5°	2924.9	1748.9	451.3	333.7	314.7	309.1	309.9	321.8	334.5	340.1	339.3
65°	3039.3	1751.3	433.8	340.9	323.4	311.5	311.5	322.6	344.1	356.8	356.8
67°	3032.9	1703.6	421.1	341.7	327.4	313.9	310.7	322.6	344.8	359.2	359.9
67.5°	2996.4	1672.6	416.4	341.7	328.2	313.9	309.9	321.8	344.8	359.9	359.9
70°	2776.3	1509.7	385.4	332.9	325.8	309.9	305.1	313.9	340.1	360.7	360.7
72.5°	2299.5	1242.7	341.7	311.5	310.7	299.6	292.4	301.9	327.4	348.8	348.0
75°	1858.5	993.2	298.0	279.7	287.6	279.7	274.1	281.3	305.9	327.4	325.8
77.5°	1388.9	746.1	257.4	249.5	260.6	255.1	250.3	257.4	281.3	301.9	298.8
80°	1026.6	575.3	224.1	220.9	228.8	227.3	225.7	228.8	249.5	263.0	260.6
82.5°	755.6	437.8	193.1	190.7	200.2	200.2	200.2	202.6	217.7	222.5	220.1
85°	537.1	329.8	170.0	163.7	171.6	175.6	178.0	178.8	186.7	187.5	182.0
87.5°	378.2	259.8	152.6	139.1	143.0	151.8	155.7	154.9	158.1	155.7	150.2
90°	263.8	204.2	138.3	118.4	118.4	127.1	133.5	132.7	133.5	127.1	121.6
92.5°	185.9	154.1	116.8	97.7	96.1	104.9	110.4	109.7	109.7	103.3	97.7
95°	124.7	113.6	93.0	78.7	76.3	83.4	89.0	87.4	87.4	81.0	78.7
97.5°	92.2	86.6	76.3	66.7	62.0	66.0	69.9	69.9	70.7	66.7	64.4
100°	72.3	69.9	65.2	57.2	52.4	53.2	55.6	55.6	58.8	55.6	54.0
102.5°	60.4	58.8	54.8	49.3	45.3	44.5	46.1	46.9	50.9	48.5	47.7
105°	50.1	49.3	46.9	42.1	38.9	38.9	38.9	39.7	43.7	42.1	42.1
107.5°	40.5	40.5	40.5	36.6	34.2	34.2	33.4	34.2	37.3	37.3	37.3



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CATALOG NUMBER: LXF.LXT-PA1-80-830-U-T2R-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	34.2	34.2	35.0	31.8	30.2	30.2	29.4	30.2	33.4	34.2	34.2
112.5°	29.4	29.4	30.2	28.6	27.0	27.0	26.2	26.2	29.4	31.8	31.8
115°	25.4	26.2	26.2	25.4	24.6	23.8	23.0	23.8	27.0	29.4	29.4
117.5°	22.2	23.0	23.8	23.0	22.2	21.5	20.7	21.5	24.6	27.8	27.8
120°	19.9	20.7	21.5	21.5	20.7	19.9	18.3	19.9	22.2	25.4	26.2
122.5°	18.3	19.1	19.1	19.1	19.1	17.5	16.7	17.5	19.9	23.0	23.8
125°	17.5	17.5	18.3	18.3	17.5	15.9	15.1	15.9	17.5	19.9	20.7
127.5°	16.7	16.7	17.5	17.5	15.9	14.3	13.5	14.3	15.9	17.5	17.5
130°	16.7	16.7	16.7	15.9	15.1	13.5	11.9	12.7	14.3	15.9	15.9
132.5°	15.9	15.1	15.1	15.1	13.5	11.9	11.1	11.1	12.7	14.3	14.3
135°	14.3	14.3	13.5	13.5	12.7	10.3	9.5	9.5	11.1	12.7	12.7
137.5°	12.7	12.7	11.9	11.9	11.1	9.5	7.9	8.7	10.3	10.3	11.1
140°	11.1	11.1	10.3	10.3	9.5	7.9	6.4	7.2	8.7	8.7	9.5
142.5°	9.5	9.5	9.5	8.7	7.9	6.4	5.6	6.4	7.9	7.9	7.9
145°	7.9	7.9	7.9	7.2	6.4	4.8	4.0	5.6	7.2	6.4	6.4
147.5°	6.4	6.4	6.4	6.4	4.8	4.0	3.2	4.8	5.6	5.6	5.6
150°	4.8	4.8	4.8	4.8	4.0	2.4	2.4	4.0	4.8	4.8	4.8
152.5°	4.0	4.0	4.0	4.8	4.0	1.6	1.6	3.2	4.0	4.0	4.0
155°	3.2	3.2	4.0	4.0	3.2	1.6	0.8	2.4	3.2	3.2	3.2
157.5°	2.4	2.4	3.2	3.2	2.4	1.6	0.8	1.6	3.2	2.4	2.4
160°	1.6	2.4	2.4	2.4	2.4	1.6	0.0	1.6	2.4	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

(END OF REPORT)