

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: P415730

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415730  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-50-830-U-T3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4881 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B1 - U3 - G3

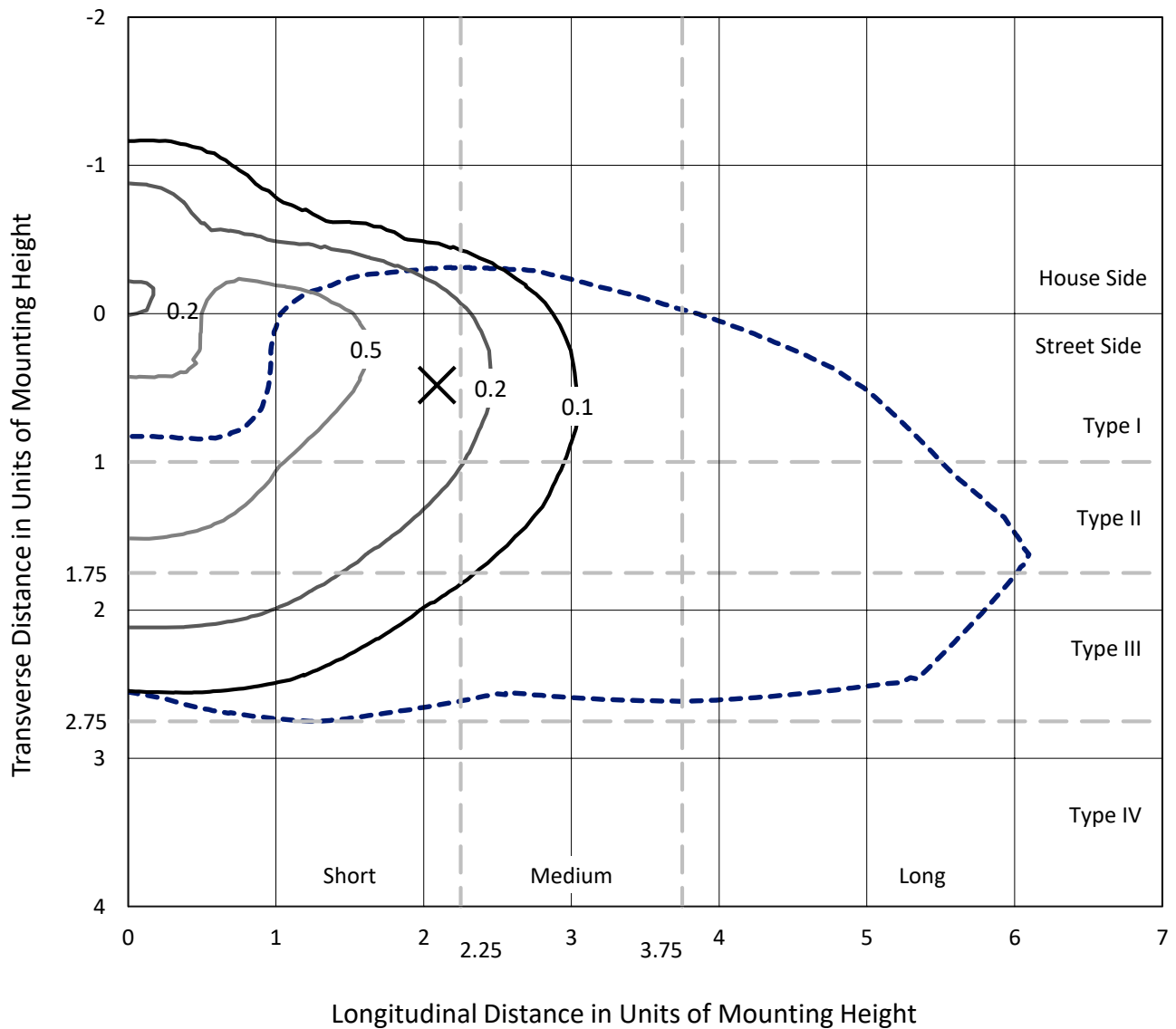
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

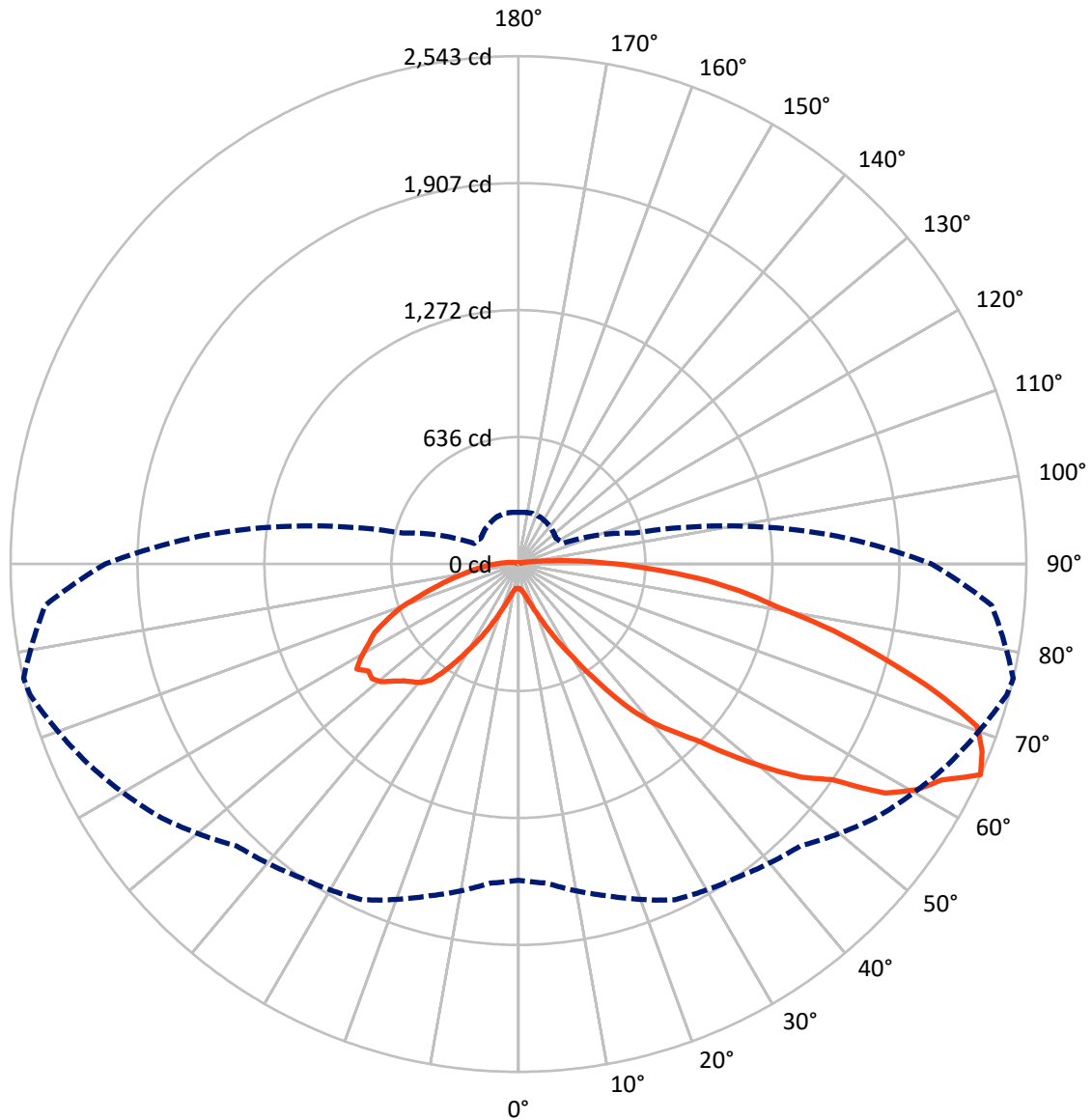


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1075.6	76.5	1152.0
	% Fixture	22.0	1.6	23.6
<b>Street Side</b>	Lumens	3633.3	95.6	3729.0
	% Fixture	74.4	2.0	76.4
<b>Total</b>	Lumens	4708.9	172.1	4881.0
	% Fixture	96.5	3.5	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.6	0.3
10°-20°	53.5	1.1
20°-30°	156.7	3.2
30°-40°	375.0	7.7
40°-50°	675.3	13.8
50°-60°	1027.2	21.0
60°-70°	1211.7	24.8
70°-80°	835.0	17.1
80°-90°	362.0	7.4
90°-100°	105.7	2.2
100°-110°	33.1	0.7
110°-120°	15.5	0.3
120°-130°	9.1	0.2
130°-140°	5.6	0.1
140°-150°	2.4	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4708.9	96.5
0°-180°	4881.0	100.0



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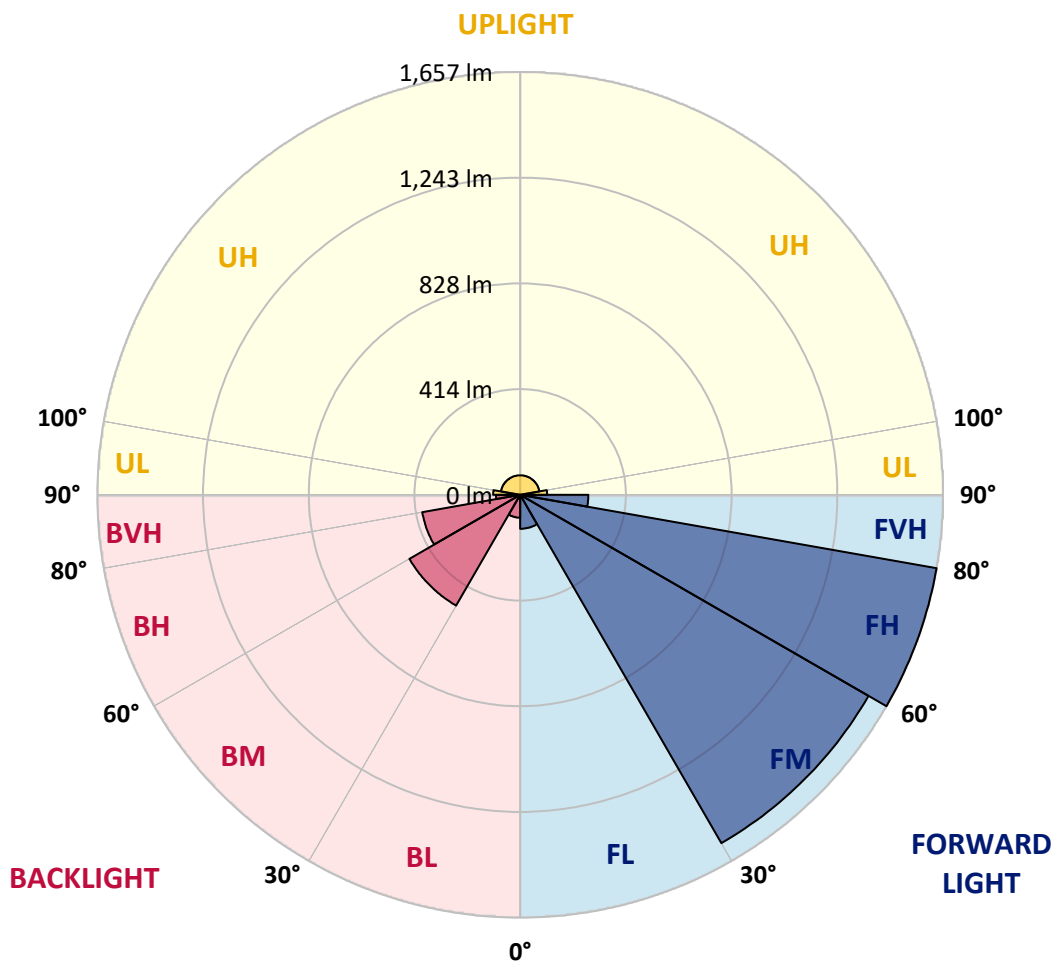
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-A

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	133.0	2.7			
FM (30°-60°)	1576.2	32.3			
FH (60°-80°)	1657.0	33.9			G1/1800
FVH (80°-90°)	267.1	5.5			G3/500
BL (0°-30°)	89.7	1.8	B0/110		
BM (30°-60°)	501.3	10.3	B1/1000		
BH (60°-80°)	389.7	8.0	B1/500		G1/500
BVH (80°-90°)	94.9	1.9			G1/100
UL (90°-100°)	105.7	2.2		U3/500	
UH (100°-180°)	76.5	1.6		U3/500	

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

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	131.8	131.3	131.3	131.8	130.7	129.6	127.9	126.2	124.6	124.6	123.4
5°	142.5	141.9	141.9	141.9	139.7	138.0	134.1	131.8	129.6	128.5	126.8
7.5°	156.5	154.9	155.4	154.9	151.5	148.1	144.2	139.7	136.9	136.3	133.0
10°	175.0	173.9	172.8	170.6	167.2	161.6	156.0	152.0	148.1	147.6	143.6
12.5°	201.4	200.3	198.1	193.0	185.7	179.0	173.4	168.9	166.6	165.5	161.6
15°	233.4	230.0	228.9	221.1	211.0	203.1	196.9	194.1	191.9	191.9	186.8
17.5°	271.0	271.0	265.4	254.7	241.8	232.3	226.1	221.1	222.7	222.2	219.4
20°	317.6	316.4	308.0	294.0	278.3	269.3	261.5	258.6	260.9	263.1	263.1
22.5°	384.9	382.1	369.2	347.9	324.9	310.3	304.7	304.1	313.1	315.9	319.2
25°	460.6	456.7	440.4	414.6	386.0	363.6	355.7	361.9	378.2	384.3	391.1
27.5°	552.1	549.8	525.1	489.8	455.6	426.4	417.4	436.5	458.4	460.6	474.1
30°	669.9	671.0	637.4	586.3	528.0	497.7	487.6	510.6	543.1	545.3	572.3
32.5°	806.2	806.2	755.7	694.0	618.8	576.2	566.7	603.7	654.8	662.6	688.4
35°	980.2	970.1	905.5	816.9	722.6	659.2	658.1	715.9	786.0	793.9	821.9
37.5°	1136.1	1142.3	1076.7	961.1	833.7	760.8	770.3	843.8	932.5	934.7	965.0
40°	1305.0	1311.7	1234.3	1113.7	957.2	875.2	894.3	962.8	1050.9	1052.5	1063.2
42.5°	1437.4	1454.8	1382.4	1256.8	1098.5	1005.4	1009.9	1073.9	1141.7	1150.2	1157.5
45°	1516.5	1529.4	1489.6	1389.2	1223.1	1135.6	1124.9	1177.1	1265.7	1263.5	1274.2
47.5°	1641.1	1656.2	1595.1	1503.6	1363.4	1255.1	1241.6	1309.5	1418.3	1429.6	1419.5
50°	1770.1	1790.3	1746.0	1639.4	1494.7	1389.2	1390.9	1468.3	1595.1	1599.0	1605.2
52.5°	1860.5	1875.0	1857.7	1783.6	1629.9	1533.9	1549.1	1641.6	1766.2	1773.5	1748.8
55°	1874.5	1896.9	1911.0	1894.1	1778.0	1683.2	1721.9	1814.5	1898.6	1904.8	1885.7
57.5°	1870.0	1888.5	1918.2	1931.2	1872.8	1836.9	1886.8	1981.6	2143.8	2164.6	2155.0
60°	1864.9	1878.4	1940.1	1959.2	1926.1	1954.7	2034.4	2203.3	2292.5	2294.2	2207.2
62.5°	1724.7	1747.1	1863.3	1959.2	1950.2	2004.7	2179.1	2296.4	2367.1	2380.0	2297.0
65°	1583.9	1603.5	1720.2	1854.9	1914.3	1996.2	2201.6	2374.4	2531.5	2543.3	2378.9
67.5°	1380.2	1411.1	1538.4	1700.6	1773.5	1904.2	2142.7	2401.9	2499.5	2504.6	2316.6
70°	1124.4	1166.4	1310.1	1481.2	1568.7	1701.1	2010.8	2303.7	2440.0	2437.2	2213.4
72.5°	810.2	847.8	979.0	1182.1	1319.0	1463.8	1769.6	2108.4	2185.9	2183.1	1882.9
75°	550.4	570.6	669.3	855.0	1052.0	1222.0	1524.4	1829.0	1894.7	1889.6	1613.0
77.5°	360.8	383.8	447.7	606.5	790.0	985.8	1279.8	1531.1	1634.4	1615.8	1367.3
80°	221.1	234.0	286.7	409.6	598.6	795.6	1058.2	1295.5	1348.8	1321.8	1116.5
82.5°	138.0	148.1	185.7	270.4	429.8	614.4	868.0	1090.7	1150.2	1119.9	918.4
85°	84.7	89.8	115.6	177.9	291.7	451.6	698.0	884.8	921.3	899.4	692.3
87.5°	61.7	62.8	79.1	120.1	196.9	323.2	513.9	666.5	692.9	652.5	485.3
90°	45.4	47.7	58.3	84.7	136.9	219.4	354.0	469.0	475.8	451.1	324.3
92.5°	34.2	35.3	43.8	60.0	94.3	149.8	236.2	314.2	308.0	290.6	201.4
95°	24.7	25.2	31.4	42.6	66.2	100.4	150.4	196.9	177.3	170.0	122.3
97.5°	20.2	20.8	25.2	33.1	48.8	70.7	97.1	117.3	104.4	99.9	78.5
100°	17.4	17.4	21.3	27.5	38.2	52.7	64.5	73.5	67.3	65.1	55.5
102.5°	15.7	15.7	18.5	23.0	31.4	41.5	47.7	50.5	47.1	45.4	41.0
105°	14.0	14.0	16.3	19.6	26.4	33.7	36.5	37.0	33.7	33.1	31.4
107.5°	12.9	12.9	14.6	17.4	22.4	28.1	29.2	27.5	25.8	24.7	24.7
110°	11.2	11.8	12.9	15.1	19.6	23.6	23.6	21.3	19.1	19.1	19.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	10.7	10.7	11.8	14.0	17.4	20.2	19.1	16.8	15.1	15.1	16.3
115°	9.5	9.5	10.7	12.9	15.7	17.4	16.3	14.0	12.3	12.9	14.0
117.5°	9.0	9.0	10.1	11.8	14.0	15.1	14.0	11.8	10.7	11.2	12.9
120°	9.0	9.0	10.1	11.2	12.9	13.5	12.3	10.1	9.5	9.5	11.2
122.5°	9.0	9.0	9.5	11.2	12.3	12.3	10.7	9.0	8.4	8.4	10.1
125°	9.0	9.0	10.1	11.2	11.2	11.2	9.5	7.9	7.3	7.9	9.0
127.5°	9.5	9.5	10.1	10.7	10.7	10.1	8.4	7.3	6.7	7.3	8.4
130°	9.5	9.5	10.1	10.7	10.1	9.0	7.9	6.7	6.7	6.7	8.4
132.5°	9.5	9.5	10.1	10.1	9.5	7.9	6.7	5.6	6.2	6.7	7.9
135°	9.0	9.0	9.0	9.0	8.4	7.3	5.6	5.0	5.6	6.2	7.3
137.5°	8.4	8.4	8.4	8.4	7.3	6.2	4.5	3.9	5.0	5.0	6.2
140°	7.3	7.3	7.9	7.3	6.7	5.0	3.9	2.8	3.9	3.9	5.0
142.5°	6.7	6.7	6.7	6.7	5.6	4.5	2.8	2.8	3.4	3.4	3.9
145°	5.6	5.6	6.2	5.6	4.5	3.4	2.2	2.2	2.8	2.8	3.4
147.5°	4.5	5.0	5.0	4.5	3.9	2.8	1.7	1.7	2.2	2.2	2.8
150°	3.9	3.9	3.9	3.9	2.8	1.7	1.1	1.7	2.2	2.2	2.2
152.5°	2.8	2.8	3.4	3.4	2.2	1.1	1.1	1.7	1.7	1.7	2.2
155°	2.2	2.2	2.8	2.2	1.7	0.6	1.1	1.1	1.7	1.7	1.7
157.5°	1.1	1.1	1.7	1.7	1.1	0.6	0.6	1.1	1.1	1.1	1.7
160°	0.6	0.6	1.7	1.7	1.1	0.6	0.6	0.6	1.1	1.1	1.1
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°	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9	122.9
2.5°	122.9	121.7	121.2	120.1	118.9	117.8	117.8	117.8	117.3	116.7	117.3
5°	125.1	124.6	121.7	119.5	117.3	116.1	115.0	114.5	114.5	113.3	113.3
7.5°	131.3	129.0	125.1	121.2	118.9	116.7	115.0	114.5	113.9	112.8	112.8
10°	140.8	138.0	133.5	127.4	123.4	119.5	117.8	117.8	117.3	116.7	116.7
12.5°	158.8	155.4	147.6	139.1	131.3	125.7	124.6	126.2	129.6	130.2	130.2
15°	185.1	181.2	171.1	157.7	145.3	137.5	138.6	143.1	147.6	149.2	149.2
17.5°	217.7	213.2	198.6	179.0	162.7	155.4	154.9	161.0	167.2	170.6	170.6
20°	261.5	254.2	235.1	207.0	184.6	176.2	172.8	178.4	188.0	191.9	190.8
22.5°	315.9	307.5	280.5	237.9	209.8	194.7	190.2	196.4	208.2	213.2	212.6
25°	387.7	379.3	335.5	276.6	234.5	211.0	208.2	217.1	234.5	244.6	243.5
27.5°	471.3	457.3	398.9	319.8	258.6	224.4	225.0	240.1	258.1	269.3	268.2
30°	560.5	542.5	462.9	361.3	281.1	239.6	238.4	256.4	274.9	286.7	286.7
32.5°	678.3	651.9	536.9	401.2	298.5	251.4	247.4	267.6	286.7	299.0	298.5
35°	804.6	769.2	614.4	443.2	313.1	257.5	253.0	273.8	293.4	308.0	308.0
37.5°	949.3	889.3	686.7	472.4	323.2	260.9	254.7	278.3	302.4	317.6	316.4
40°	1025.6	958.3	721.5	485.3	324.9	261.5	257.5	282.2	302.4	308.0	305.2
42.5°	1110.9	1023.9	736.1	469.6	318.7	260.3	259.2	278.3	287.3	285.6	283.9
45°	1218.6	1101.4	750.1	450.0	304.1	258.6	256.4	267.6	268.2	261.5	259.2
47.5°	1356.1	1208.0	773.1	426.4	289.5	254.7	251.9	257.0	247.4	235.1	231.2
50°	1503.6	1331.4	801.7	406.2	276.0	249.7	246.9	245.2	235.6	223.3	221.1
52.5°	1632.1	1415.0	809.6	384.9	267.1	246.3	242.9	241.3	232.3	218.3	215.4
55°	1747.1	1486.2	782.1	352.9	259.8	244.1	242.9	242.9	233.4	218.8	216.0
57.5°	1974.4	1656.8	792.2	320.4	250.2	243.5	245.2	245.7	236.8	222.7	219.9
60°	1981.1	1624.3	733.3	297.4	241.8	243.5	247.4	248.5	242.4	232.8	231.2
62.5°	2045.6	1625.4	654.2	267.6	236.2	242.4	249.1	253.0	253.6	248.0	246.9
65°	2069.2	1601.8	597.0	244.1	228.3	239.6	249.7	259.2	262.6	259.8	258.6
67.5°	1978.8	1493.5	519.0	228.3	220.5	235.1	249.1	260.9	268.2	269.9	269.9
70°	1859.9	1371.8	449.4	213.2	212.1	228.9	245.2	260.9	271.0	275.5	275.5
72.5°	1558.1	1126.6	370.9	197.5	200.9	219.4	236.8	255.8	267.1	271.0	269.3
75°	1303.3	927.4	305.2	184.0	189.6	207.6	225.0	243.5	251.4	253.6	251.9
77.5°	1102.5	771.5	250.8	171.7	176.2	192.4	208.2	221.1	226.1	225.0	222.2
80°	888.7	602.0	205.9	156.5	161.0	173.9	185.1	195.2	200.3	197.5	195.8
82.5°	707.5	478.6	175.6	143.1	144.8	155.4	163.3	171.1	179.5	177.3	172.8
85°	523.5	352.3	149.2	128.5	128.5	136.3	140.3	147.6	159.3	158.8	157.1
87.5°	358.0	250.8	126.8	113.9	113.3	117.8	120.1	127.9	143.1	143.6	141.9
90°	235.6	171.7	106.0	98.7	97.6	101.0	102.7	109.4	121.7	122.9	120.6
92.5°	153.2	118.9	87.0	83.6	83.0	85.8	85.3	89.8	98.2	97.6	95.9
95°	98.2	83.0	70.7	69.0	67.3	70.7	69.6	70.7	75.2	74.1	74.1
97.5°	67.9	63.4	58.3	55.5	54.4	57.8	56.7	56.7	58.9	56.7	55.5
100°	52.2	50.5	48.3	46.0	43.8	46.6	46.6	46.6	48.3	44.9	43.8
102.5°	40.4	39.8	39.8	38.2	36.5	38.7	39.3	39.8	39.3	35.9	35.3
105°	32.0	32.0	33.1	31.4	30.9	32.5	33.1	32.5	32.5	29.7	29.7
107.5°	25.2	26.4	27.5	26.4	26.4	27.5	27.5	27.5	26.4	24.7	25.2
110°	20.8	21.9	23.6	22.4	22.4	23.6	23.0	22.4	21.9	21.3	21.3



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CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	18.5	19.6	19.1	19.6	20.2	19.6	18.5	18.5	18.5	19.1
115°	15.1	16.3	17.4	16.8	16.8	17.4	16.3	15.7	15.7	16.3	16.3
117.5°	13.5	14.6	15.1	15.1	14.6	15.1	14.0	13.5	14.0	14.6	14.6
120°	12.3	12.9	13.5	13.5	12.9	12.9	12.3	11.8	12.3	12.9	13.5
122.5°	11.2	11.8	11.8	12.3	11.8	11.2	10.7	10.7	11.2	11.8	11.8
125°	10.1	10.7	10.7	10.7	10.7	10.1	9.5	9.5	10.1	10.7	11.2
127.5°	9.0	9.5	9.5	10.1	9.5	9.0	8.4	9.0	9.5	10.1	10.1
130°	9.0	9.0	9.0	9.0	8.4	7.9	7.9	7.9	9.0	9.5	9.5
132.5°	8.4	9.0	8.4	8.4	7.9	6.7	6.7	7.3	8.4	9.0	9.0
135°	7.9	7.9	7.3	7.3	6.7	6.2	5.6	6.7	7.3	7.9	7.9
137.5°	6.7	6.7	6.2	5.6	5.6	5.0	5.0	5.6	6.7	7.3	7.3
140°	5.0	5.6	5.0	4.5	4.5	3.9	4.5	5.0	6.2	6.2	6.2
142.5°	3.9	4.5	3.9	3.4	3.4	3.4	3.4	4.5	5.6	5.6	5.6
145°	3.4	3.4	3.4	2.8	2.2	2.2	2.8	3.9	5.0	5.0	5.0
147.5°	2.8	2.8	2.8	2.2	1.7	1.7	2.2	3.4	3.9	3.9	3.9
150°	2.2	2.2	2.2	2.2	1.7	1.1	1.7	2.8	3.4	3.4	3.4
152.5°	2.2	2.2	2.2	1.7	1.1	0.6	1.1	2.2	2.8	2.8	2.8
155°	1.7	1.7	1.7	1.7	1.1	0.6	0.6	1.7	2.2	2.2	2.2
157.5°	1.7	1.7	1.7	1.1	0.6	0.0	0.6	1.7	2.2	1.7	1.7
160°	1.1	1.1	1.1	1.1	0.6	0.0	0.6	1.1	1.7	1.1	1.1
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)