

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: P415732

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415732  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-17)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4771 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U3 - G3

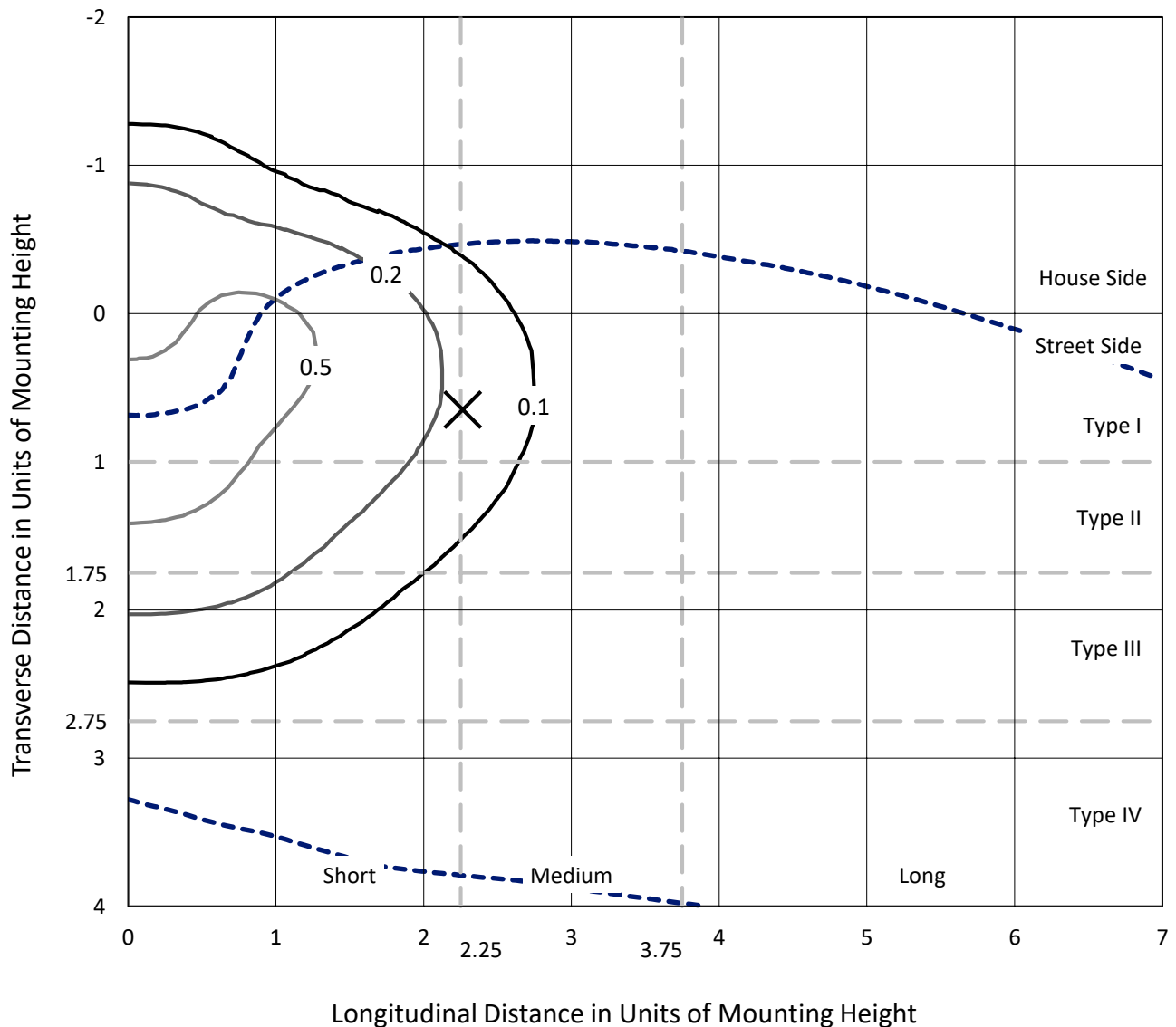
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

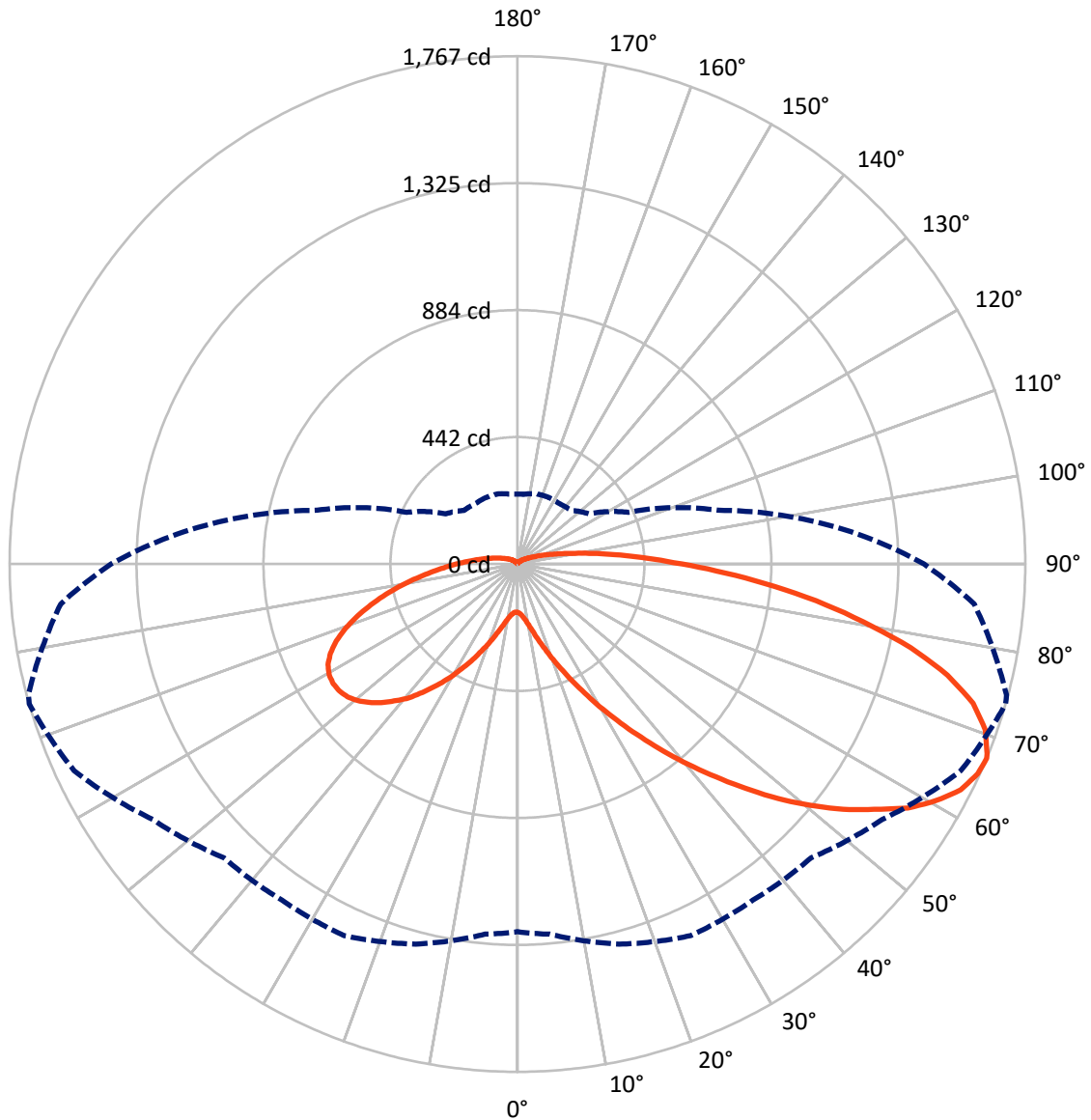
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1150.1	142.2	1292.3
	% Fixture	24.1	3.0	27.1
<b>Street Side</b>	Lumens	3231.1	247.6	3478.7
	% Fixture	67.7	5.2	72.9
<b>Total</b>	Lumens	4381.1	389.9	4771.0
	% Fixture	91.8	8.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.7	0.4
10°-20°	73.2	1.5
20°-30°	185.3	3.9
30°-40°	371.8	7.8
40°-50°	624.2	13.1
50°-60°	875.7	18.4
60°-70°	978.8	20.5
70°-80°	798.5	16.7
80°-90°	455.8	9.6
90°-100°	208.3	4.4
100°-110°	95.3	2.0
110°-120°	47.0	1.0
120°-130°	23.9	0.5
130°-140°	11.1	0.2
140°-150°	3.7	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4381.1	91.8
0°-180°	4771.0	100.0

**Coefficient of Utilization**



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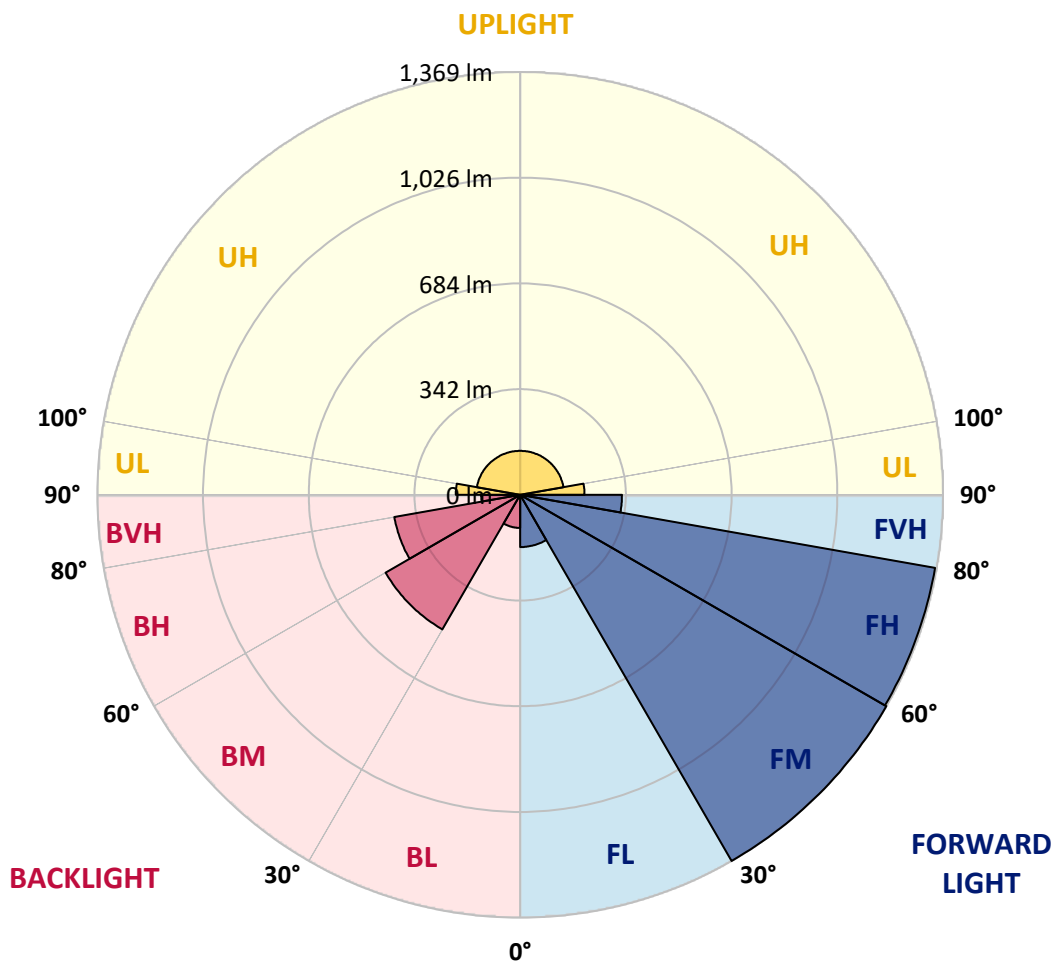
CATALOG NUMBER: LXF.LXT-PA1-50-830-U-T3-FL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.1	3.5			
FM	(30°-60°)	1368.7	28.7			
FH	(60°-80°)	1363.7	28.6			G1/1800
FVH	(80°-90°)	329.6	6.9			G3/500
BL	(0°-30°)	107.2	2.2	B0/110		
BM	(30°-60°)	503.1	10.5	B1/1000		
BH	(60°-80°)	413.5	8.7	B1/500		G1/500
BVH	(80°-90°)	126.2	2.6			G2/225
UL	(90°-100°)	208.3	4.4		U3/500	
UH	(100°-180°)	142.2	3.0		U3/500	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	182.9	181.8	181.8	180.6	180.1	177.8	176.2	173.9	172.8	172.2	170.5
5°	199.7	198.0	198.0	196.9	194.7	191.9	187.9	185.7	181.8	182.3	177.3
7.5°	219.9	219.4	218.2	216.0	213.2	209.8	205.9	200.8	196.4	196.4	190.2
10°	246.8	243.5	243.5	240.7	237.9	232.8	227.2	221.6	215.4	214.9	206.4
12.5°	279.4	278.8	275.5	271.5	267.0	262.0	253.0	247.4	241.2	240.7	231.7
15°	317.5	315.8	311.4	309.7	302.9	294.0	286.7	281.1	274.9	272.6	260.9
17.5°	362.4	360.2	358.5	350.1	344.5	337.2	328.7	321.5	310.8	309.7	296.8
20°	415.1	410.1	405.0	398.3	389.3	382.6	373.6	366.9	354.6	354.6	337.2
22.5°	470.7	469.6	465.1	453.9	441.5	434.8	426.4	412.9	402.8	400.0	380.9
25°	538.0	536.9	527.9	516.1	503.2	493.1	479.7	465.1	456.7	456.1	434.8
27.5°	614.3	616.0	600.3	585.1	567.7	551.5	536.9	529.6	518.4	516.7	492.0
30°	706.3	699.0	682.7	660.9	636.7	616.0	600.8	593.5	586.2	585.7	556.0
32.5°	800.0	791.6	777.6	747.3	713.6	681.6	674.3	668.2	659.7	655.3	625.5
35°	903.8	897.0	876.8	837.0	792.1	757.4	742.2	743.3	739.4	737.2	701.3
37.5°	1018.2	1006.4	979.0	940.2	874.0	836.5	819.1	828.6	826.4	821.9	784.3
40°	1125.9	1124.3	1095.1	1035.1	968.3	915.0	903.2	919.5	916.7	911.1	869.6
42.5°	1250.5	1238.1	1205.6	1138.3	1057.5	998.6	985.7	1009.8	1013.2	1014.3	958.8
45°	1357.1	1351.5	1320.6	1243.2	1150.1	1086.1	1075.4	1101.3	1112.5	1113.6	1052.4
47.5°	1460.9	1458.6	1427.2	1347.0	1240.4	1172.5	1158.5	1195.5	1219.1	1214.0	1141.6
50°	1538.8	1542.8	1517.5	1441.2	1330.1	1249.4	1252.7	1298.2	1320.0	1317.2	1237.0
52.5°	1605.6	1600.0	1589.3	1517.0	1401.4	1327.3	1331.3	1385.7	1418.2	1416.5	1327.3
55°	1630.3	1628.6	1629.7	1570.8	1459.7	1391.3	1403.1	1479.9	1506.9	1503.5	1400.8
57.5°	1625.2	1624.1	1641.5	1602.8	1506.9	1441.8	1468.7	1557.3	1601.7	1597.2	1478.2
60°	1587.1	1582.0	1619.6	1605.6	1525.9	1473.2	1520.3	1625.2	1672.9	1671.8	1541.6
62.5°	1501.2	1509.1	1561.3	1574.2	1520.3	1489.5	1551.2	1678.0	1731.3	1727.3	1587.1
65°	1381.8	1401.4	1464.2	1509.1	1482.2	1474.9	1562.4	1701.5	1760.4	1759.9	1603.3
67°	1279.6	1293.1	1369.4	1426.6	1428.3	1445.1	1549.5	1702.1	1767.2	1762.1	1595.5
67.5°	1243.7	1261.7	1339.1	1408.7	1416.0	1436.7	1544.4	1701.0	1762.7	1759.9	1591.6
70°	1081.1	1101.8	1186.5	1274.0	1318.9	1363.8	1498.4	1669.5	1726.8	1720.6	1546.1
72.5°	916.1	945.3	1025.5	1129.3	1194.9	1269.0	1418.8	1591.0	1658.3	1645.4	1457.5
75°	757.9	777.6	855.5	967.7	1053.0	1153.4	1309.9	1485.0	1545.6	1534.9	1344.7
77.5°	604.2	622.2	697.3	810.1	906.6	1019.3	1182.6	1352.0	1399.1	1393.0	1201.7
80°	476.9	489.8	562.1	662.5	761.8	882.5	1037.3	1188.8	1219.6	1224.1	1044.0
82.5°	366.9	383.7	446.6	535.2	628.9	743.9	878.5	1012.6	1046.8	1035.6	882.5
85°	280.5	294.5	350.6	425.8	519.5	616.5	736.6	846.6	861.7	848.8	715.3
87.5°	219.4	230.0	273.8	346.7	421.3	504.3	600.3	684.4	692.3	690.0	572.8
90°	170.0	179.5	216.0	273.8	342.2	413.5	488.6	547.5	543.6	547.0	451.6
92.5°	133.5	138.6	171.7	222.7	279.9	337.2	394.4	433.7	433.1	423.6	352.3
95°	108.3	111.1	139.7	182.3	228.3	273.8	316.4	341.7	340.5	330.4	274.9
97.5°	87.5	89.2	113.9	149.8	188.5	223.8	254.7	272.6	263.7	259.7	215.4
100°	71.8	72.9	94.2	125.1	157.1	187.4	209.3	216.5	204.2	202.0	169.4
102.5°	61.1	61.7	79.7	106.0	131.3	154.3	170.5	173.9	159.3	160.4	133.5
105°	52.2	52.7	66.8	90.3	111.6	129.0	140.8	139.1	127.3	125.7	106.6
107.5°	45.4	46.0	57.2	77.4	95.9	110.5	116.7	112.8	102.1	99.9	85.8



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
110°	39.8	40.4	49.4	66.2	82.5	94.8	98.2	92.0	82.5	80.2	70.7
112.5°	35.9	35.9	43.2	57.2	71.8	81.9	83.0	76.9	66.2	65.1	58.9
115°	32.5	32.5	38.1	49.4	62.3	70.1	70.1	62.8	54.4	53.9	49.4
117.5°	29.7	29.7	33.7	43.2	53.9	60.6	59.5	52.7	45.4	44.9	42.6
120°	27.5	27.5	30.3	37.6	46.6	51.6	50.5	43.8	38.1	37.6	36.5
122.5°	25.2	25.8	27.5	33.1	40.4	44.3	43.2	37.6	32.5	32.0	32.0
125°	23.6	23.6	24.7	28.6	34.8	38.1	36.5	30.9	27.5	27.5	27.5
127.5°	21.9	21.9	22.4	25.2	29.7	32.0	30.3	25.8	24.1	23.6	24.1
130°	20.2	20.2	20.8	21.9	25.2	26.4	24.7	21.9	20.2	20.2	20.8
132.5°	18.5	18.5	18.5	19.1	20.8	21.9	20.2	18.0	17.4	17.4	18.0
135°	16.8	17.4	16.8	16.8	17.4	17.4	15.7	14.6	14.6	15.1	15.7
137.5°	15.1	15.1	14.6	14.0	14.0	13.5	12.3	11.8	12.3	12.3	12.9
140°	13.5	13.5	12.9	11.8	10.7	10.1	9.5	9.0	10.1	10.1	10.7
142.5°	11.8	11.8	10.7	9.5	7.9	6.7	6.2	6.7	7.9	7.9	8.4
145°	9.5	9.5	9.0	7.9	5.6	4.5	3.9	5.0	5.6	5.6	6.2
147.5°	7.9	7.3	6.7	5.6	3.9	2.8	2.2	3.4	3.9	3.9	4.5
150°	5.6	5.6	5.0	3.9	2.2	1.1	1.1	1.7	2.2	2.2	2.8
152.5°	3.9	3.9	3.4	2.2	1.1	0.0	0.6	1.1	1.1	1.1	1.7
155°	2.2	2.2	2.2	1.7	0.6	0.0	0.0	0.6	0.6	0.6	1.1
157.5°	1.1	1.1	1.1	1.1	0.6	0.0	0.0	0.0	0.6	0.6	0.6
160°	0.6	0.6	1.1	0.6	0.6	0.0	0.0	0.0	0.0	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





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3	168.3
2.5°	169.4	168.3	167.2	165.5	164.4	163.3	162.1	161.6	161.6	161.0	161.6
5°	175.6	173.9	170.5	167.7	164.4	162.1	159.9	158.8	157.6	157.1	157.1
7.5°	186.8	184.6	179.0	173.9	168.9	164.9	162.1	159.3	158.2	157.6	157.6
10°	203.1	199.7	191.3	184.0	176.7	171.7	166.6	163.8	162.1	161.0	161.0
12.5°	226.1	220.5	209.8	197.5	187.9	181.2	175.0	172.2	171.7	171.7	171.7
15°	256.9	249.1	232.8	218.2	204.2	192.4	187.9	187.9	187.4	186.8	187.4
17.5°	288.9	279.9	259.7	241.2	223.8	212.1	204.8	203.1	202.5	202.0	202.5
20°	327.1	315.8	292.3	267.0	245.2	233.9	223.8	219.4	218.8	219.4	218.2
22.5°	370.3	357.9	323.1	292.8	268.7	253.0	241.2	235.1	236.2	236.2	235.6
25°	422.4	403.4	362.4	321.5	292.3	270.4	256.9	250.8	251.3	252.5	253.6
27.5°	475.2	453.3	401.1	351.2	313.0	287.8	272.1	265.4	264.8	268.2	267.6
30°	536.9	508.8	443.8	381.5	332.1	300.1	283.9	278.3	277.7	280.5	281.1
32.5°	603.1	568.3	488.1	411.8	348.9	310.8	292.3	288.4	287.2	290.0	290.6
35°	675.4	631.1	531.3	438.1	363.0	318.1	299.0	294.5	292.8	295.6	296.8
37.5°	745.6	694.0	575.6	461.7	374.2	322.6	301.8	298.5	296.2	297.9	298.5
40°	819.6	764.6	620.5	483.0	380.9	324.8	302.9	299.6	297.3	297.3	297.3
42.5°	901.0	829.7	656.9	498.2	384.8	324.3	301.8	297.9	295.1	292.8	292.8
45°	984.6	899.9	694.5	510.5	385.4	321.5	299.0	295.6	291.2	286.7	286.1
47.5°	1065.9	963.2	727.6	517.2	383.7	317.5	295.1	290.6	286.7	279.9	279.9
50°	1145.0	1026.6	755.1	520.6	378.7	313.0	291.2	286.7	281.6	272.6	271.5
52.5°	1217.4	1084.4	775.9	519.5	371.4	306.9	286.1	282.2	276.0	265.4	265.4
55°	1288.6	1137.7	788.8	512.2	362.4	300.1	281.6	277.7	271.0	259.7	258.6
57.5°	1347.0	1175.9	793.8	501.0	352.3	292.8	277.1	273.2	267.0	254.7	254.7
60°	1396.3	1207.8	790.5	486.4	341.1	286.1	271.5	269.3	263.7	251.9	251.9
62.5°	1424.9	1220.7	777.6	467.9	328.2	278.8	266.5	265.4	260.3	249.1	249.1
65°	1431.1	1212.3	751.2	444.9	315.3	270.4	260.9	260.3	256.9	246.3	245.2
67°	1414.3	1190.5	722.0	425.2	304.1	263.7	255.8	255.8	253.0	243.5	242.9
67.5°	1408.1	1182.0	714.2	420.2	301.8	262.5	254.7	255.3	252.5	242.9	241.2
70°	1354.3	1125.4	665.9	391.6	286.1	252.5	247.4	248.0	245.7	238.4	236.7
72.5°	1270.7	1044.0	609.3	364.1	270.4	242.4	237.3	239.5	237.3	231.7	228.3
75°	1157.9	944.7	550.3	332.7	254.7	230.0	226.6	227.8	227.2	221.6	218.8
77.5°	1025.0	835.3	487.5	303.5	237.3	217.7	214.3	216.0	214.9	209.8	206.4
80°	880.8	719.8	426.9	274.3	219.4	203.6	200.3	200.8	200.3	195.2	190.7
82.5°	739.4	606.4	365.2	245.7	202.0	188.5	184.6	184.0	182.9	177.3	173.9
85°	610.4	498.2	311.9	218.2	184.0	171.7	168.3	166.1	164.4	158.2	156.0
87.5°	486.4	407.3	263.7	194.7	166.1	156.0	151.5	147.5	144.7	139.1	136.9
90°	388.2	328.2	225.0	170.5	149.8	140.8	134.6	129.6	126.2	120.1	116.7
92.5°	308.0	261.4	189.1	149.8	134.1	126.2	120.6	114.4	110.0	102.1	100.4
95°	244.0	210.4	159.3	131.3	118.9	112.2	107.2	100.4	94.2	86.4	84.7
97.5°	193.0	171.7	134.1	115.0	104.9	99.3	94.2	87.5	80.8	72.9	71.8
100°	154.3	138.0	115.0	100.4	93.7	88.1	83.0	76.9	68.4	60.6	60.6
102.5°	124.0	113.3	96.5	88.1	82.5	78.0	73.5	67.3	58.3	49.9	49.9
105°	100.4	93.7	83.0	76.9	72.9	69.6	65.1	57.8	48.8	42.1	42.1
107.5°	82.5	77.4	71.2	66.8	64.5	61.1	57.2	49.9	41.5	35.3	35.3



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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	68.4	65.1	60.6	58.9	57.2	54.4	49.9	43.2	34.8	30.3	30.3
112.5°	57.2	55.5	52.2	51.6	50.5	48.2	43.8	37.0	29.2	26.4	26.4
115°	48.8	47.7	45.4	45.4	44.3	42.6	38.1	32.0	25.2	22.4	23.0
117.5°	41.5	41.0	39.8	39.8	39.3	37.6	33.1	27.5	21.3	20.2	20.2
120°	36.5	35.9	35.3	34.8	34.8	32.5	28.6	23.0	18.5	18.0	18.0
122.5°	31.4	31.4	30.9	30.9	30.3	28.1	24.7	19.6	16.3	15.7	15.7
125°	27.5	27.5	26.9	26.9	26.4	24.7	21.3	16.8	14.0	14.0	14.0
127.5°	24.1	24.1	23.6	23.6	23.0	20.8	18.0	14.0	12.3	12.3	12.9
130°	21.3	21.3	20.8	20.2	19.6	18.0	14.6	11.8	10.7	11.2	11.2
132.5°	18.5	18.0	18.0	17.4	16.3	14.6	12.3	10.1	9.5	10.1	10.1
135°	15.7	15.7	15.1	14.6	13.5	12.3	10.1	8.4	8.4	9.0	9.0
137.5°	13.5	13.5	12.9	11.8	11.2	9.5	7.9	6.7	7.3	7.9	7.9
140°	10.7	11.2	10.7	9.5	8.4	7.3	6.2	5.6	6.2	6.7	7.3
142.5°	9.0	9.0	8.4	7.3	6.2	5.0	4.5	4.5	5.6	6.2	6.2
145°	6.7	6.7	6.2	5.6	3.9	3.4	2.8	3.9	4.5	5.0	5.0
147.5°	4.5	4.5	4.5	3.4	2.2	1.7	1.7	2.8	3.9	3.9	3.9
150°	2.8	2.8	2.8	2.2	1.1	0.6	1.1	2.2	2.8	3.4	3.4
152.5°	1.7	1.7	1.7	1.1	0.6	0.0	0.6	1.7	2.2	2.2	2.2
155°	1.1	1.1	1.1	0.6	0.6	0.0	0.6	1.1	1.7	1.7	1.7
157.5°	0.6	0.6	0.6	0.6	0.0	0.0	0.0	1.1	1.1	1.1	1.1
160°	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	1.1	0.6	0.6
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)