

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: P415661

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2R-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415661  
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-PA1-50-827-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 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: 4596 lumens  
Efficiency: N/A  
Efficacy: 85.1 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 - U2 - G2

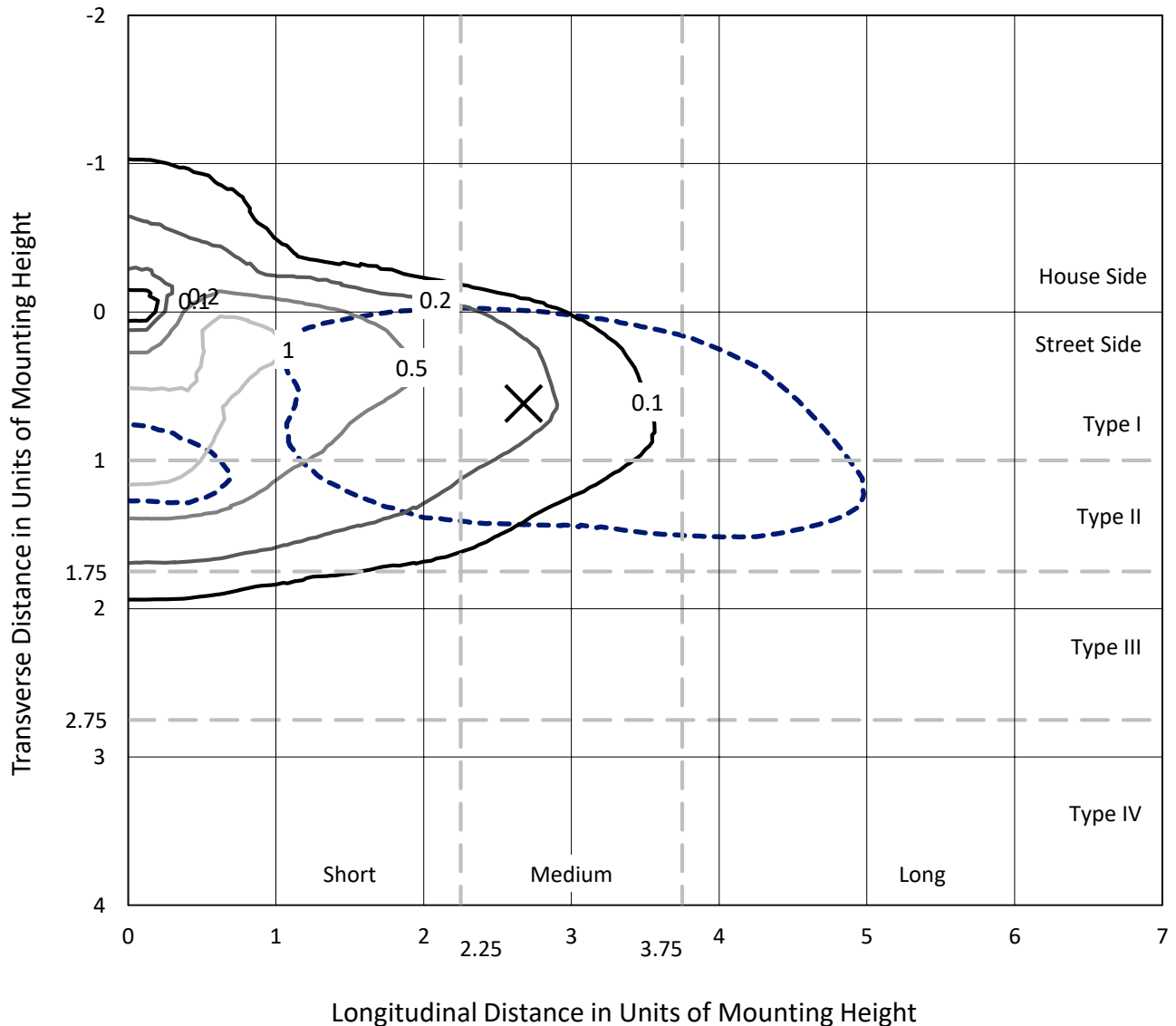
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

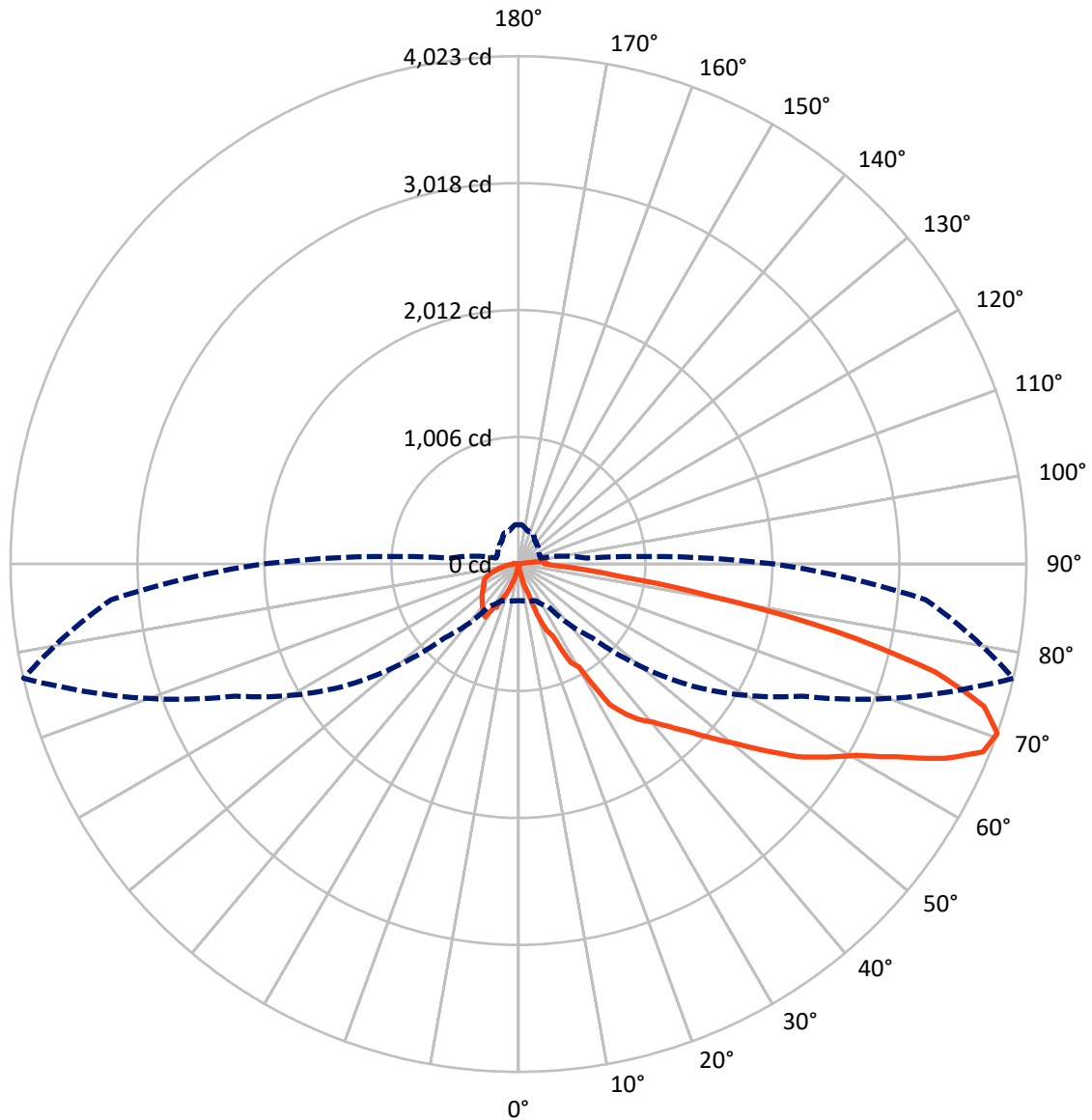


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Medium - Non-Cutoff

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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	777.3	34.1	811.4
	% Fixture	16.9	0.7	17.7
<b>Street Side</b>	Lumens	3742.1	42.5	3784.6
	% Fixture	81.4	0.9	82.3
<b>Total</b>	Lumens	4519.4	76.6	4596.0
	% Fixture	98.3	1.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	54.7	1.2
20°-30°	216.6	4.7
30°-40°	523.1	11.4
40°-50°	846.0	18.4
50°-60°	1011.9	22.0
60°-70°	989.5	21.5
70°-80°	684.1	14.9
80°-90°	189.8	4.1
90°-100°	49.9	1.1
100°-110°	10.2	0.2
110°-120°	5.4	0.1
120°-130°	4.4	0.1
130°-140°	3.0	0.1
140°-150°	2.5	0.1
150°-160°	1.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4519.4	98.3
0°-180°	4596.0	100.0



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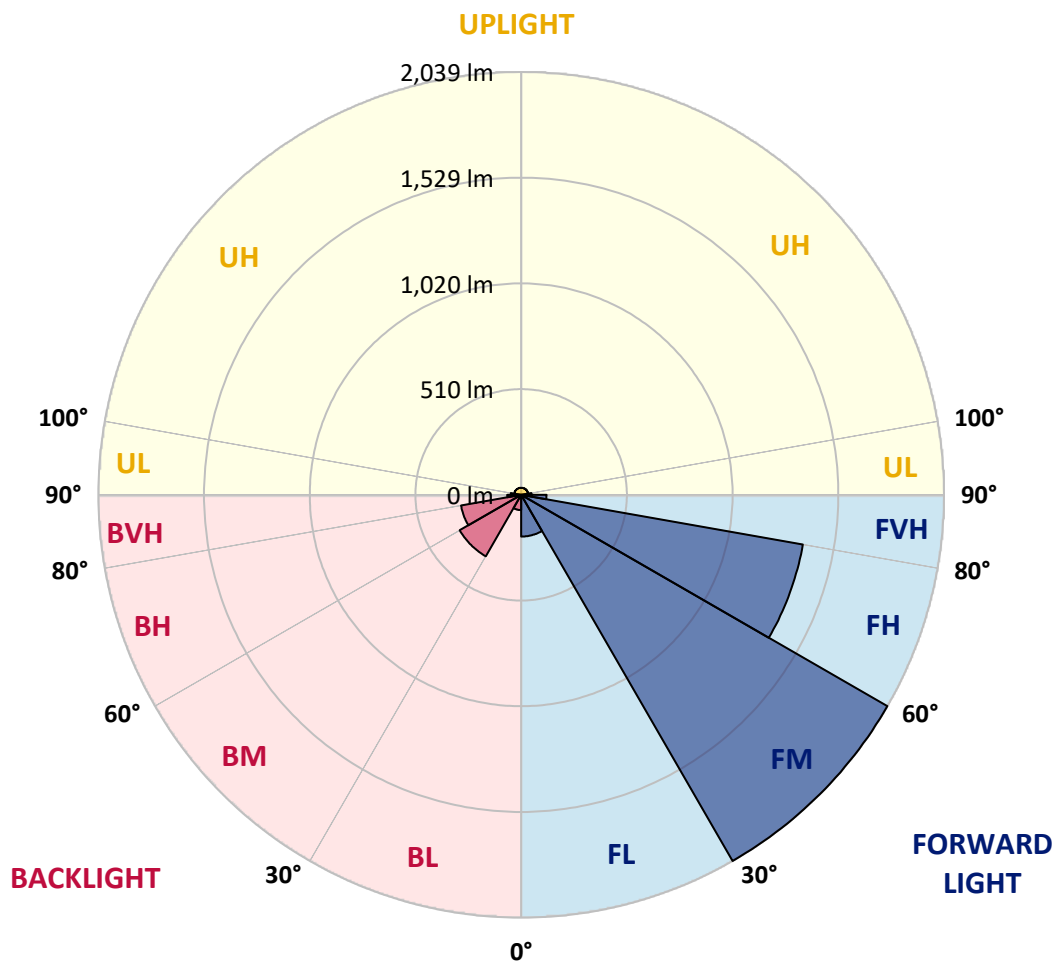
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-CL

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.4	4.4			
FM	(30°-60°)	2039.1	44.4			
FH	(60°-80°)	1379.3	30.0			G1/1800
FVH	(80°-90°)	122.3	2.7			G2/225
BL	(0°-30°)	73.6	1.6	B0/110		
BM	(30°-60°)	341.9	7.4	B1/1000		
BH	(60°-80°)	294.3	6.4	B1/500		G1/500
BVH	(80°-90°)	67.5	1.5			G1/100
UL	(90°-100°)	49.9	1.1		U2/50	
UH	(100°-180°)	34.1	0.7		U2/50	

**BUG Rating: B1-U2-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	5.7	5.2	5.2	5.7	6.7	6.2	4.7	3.6	3.1	3.1	3.1
5°	112.6	109.0	106.4	75.3	16.6	9.9	6.2	4.7	3.6	3.6	3.1
7.5°	134.4	132.4	131.3	127.7	123.5	115.2	20.8	6.7	4.2	4.2	3.6
10°	152.1	150.5	148.5	146.4	140.7	135.0	123.5	17.1	6.7	6.7	5.7
12.5°	309.9	305.2	301.1	213.9	158.8	152.6	141.7	97.1	73.7	71.1	85.6
15°	318.2	318.2	318.2	320.8	316.1	170.3	232.0	290.7	192.1	185.8	192.1
17.5°	339.0	335.8	330.7	332.2	338.4	375.8	346.2	323.4	255.9	227.4	221.1
20°	507.1	504.5	506.1	469.2	360.8	473.4	470.3	364.4	415.8	421.5	410.6
22.5°	541.4	540.9	539.3	537.2	616.7	502.5	540.9	573.1	580.8	569.4	472.4
25°	768.2	762.5	693.5	584.5	660.8	604.7	721.5	635.3	646.8	626.5	598.5
27.5°	877.8	865.8	853.9	821.2	709.6	808.2	767.7	837.8	939.0	885.0	761.5
30°	1158.1	1164.8	971.7	960.8	877.8	857.0	940.0	984.7	985.7	946.3	854.9
32.5°	1425.9	1407.7	1362.6	1168.4	1045.4	959.8	1090.1	1048.5	1289.9	1327.3	1159.1
35°	1688.6	1653.3	1520.9	1389.0	1219.8	1183.0	1167.9	1312.7	1404.1	1457.6	1254.1
37.5°	2062.8	2037.4	1910.7	1566.1	1406.2	1273.3	1369.3	1397.4	1542.7	1565.5	1383.9
40°	2200.4	2183.2	2077.9	1807.4	1552.0	1421.2	1459.6	1499.1	1680.2	1648.6	1481.4
42.5°	2299.0	2292.8	2208.7	1933.6	1742.0	1568.1	1564.0	1584.2	1821.4	1763.3	1579.0
45°	2374.8	2365.9	2316.1	2014.5	1831.8	1659.0	1676.6	1689.1	1945.5	1894.6	1690.6
47.5°	2360.2	2363.9	2370.6	2115.2	1885.3	1747.7	1791.8	1779.4	2046.7	2058.7	1815.7
50°	2248.6	2255.9	2305.7	2155.7	1915.9	1820.4	1891.5	1880.1	2187.9	2237.7	1960.0
52.5°	1916.9	1928.9	2113.7	2092.9	1942.9	1877.5	1993.8	1996.4	2353.0	2458.9	2144.3
55°	1403.6	1448.7	1673.5	1884.8	1913.3	1895.7	2062.3	2143.8	2543.0	2695.6	2308.8
57.5°	1129.0	1119.6	1274.9	1582.7	1766.9	1873.3	2134.4	2275.1	2716.3	2885.5	2473.4
60°	876.2	879.3	994.0	1214.6	1510.5	1818.3	2208.1	2393.5	2929.7	3076.6	2674.8
62.5°	652.5	658.7	741.8	873.6	1217.8	1664.7	2231.0	2541.4	3226.1	3365.2	2918.2
65°	473.9	484.3	529.5	610.4	879.8	1434.2	2161.4	2652.0	3554.6	3712.9	3178.3
67.5°	356.1	361.8	388.3	437.6	628.6	1138.3	1989.6	2645.2	3719.7	3968.9	3289.9
70°	289.6	292.2	302.1	319.8	412.7	825.3	1688.0	2475.0	3755.0	4023.4	3238.0
72.5°	246.0	245.0	245.5	248.1	285.0	564.2	1303.9	2156.2	3620.0	3857.8	3003.9
75°	210.2	208.7	208.7	206.1	220.1	396.1	898.0	1740.5	3261.4	3408.8	2530.5
77.5°	179.1	176.5	176.0	170.8	177.0	294.8	594.9	1296.1	2580.3	2582.9	1793.9
80°	152.6	147.9	145.9	142.2	149.5	224.8	388.3	845.6	1578.5	1553.1	995.6
82.5°	112.6	112.6	115.8	116.8	128.7	166.6	274.1	503.0	861.7	815.5	577.2
85°	64.9	70.6	83.6	85.1	98.6	110.6	206.1	297.9	482.2	465.1	295.9
87.5°	23.9	22.8	34.8	36.9	41.5	41.5	112.1	163.5	252.8	263.2	233.1
90°	19.7	19.7	13.5	12.5	16.1	27.0	75.8	114.7	190.0	204.0	220.1
92.5°	20.8	20.8	13.5	11.9	15.1	23.9	63.8	108.5	199.3	218.5	227.4
95°	19.7	20.2	11.9	10.9	14.0	20.2	47.8	92.9	191.5	209.7	222.2
97.5°	17.1	17.6	9.9	9.3	12.5	14.5	26.0	46.2	95.5	99.1	102.8
100°	14.0	14.0	7.3	7.8	9.9	9.9	13.5	24.4	23.4	19.2	16.6
102.5°	11.9	13.0	6.7	6.2	7.3	6.2	6.2	9.3	14.0	11.9	16.1
105°	9.9	10.9	5.7	5.2	5.7	5.2	4.2	6.7	10.4	11.9	17.1
107.5°	6.7	7.3	4.2	4.7	4.7	4.7	3.1	5.2	9.9	11.4	17.6
110°	4.7	4.7	3.1	4.2	4.2	4.7	3.1	5.2	7.8	8.8	14.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	3.1	3.1	2.6	3.1	3.6	3.6	3.1	4.7	6.7	7.3	9.9
115°	2.6	2.6	2.1	2.6	3.1	3.1	2.6	4.2	6.7	7.8	10.4
117.5°	3.1	2.6	2.1	2.6	3.1	2.6	2.6	3.6	6.7	7.8	10.4
120°	3.1	3.1	2.6	2.6	2.6	2.6	2.6	3.6	6.7	7.8	10.4
122.5°	3.6	3.1	2.6	2.6	2.6	2.6	2.6	3.1	6.2	7.3	9.9
125°	3.6	3.6	2.6	2.6	3.1	2.6	2.6	3.1	6.2	6.7	9.3
127.5°	4.2	3.6	3.1	2.6	3.1	2.6	2.6	3.1	5.7	6.2	8.3
130°	4.2	4.2	3.1	2.6	3.1	2.6	2.6	2.6	4.7	5.2	7.3
132.5°	4.2	4.2	3.6	3.1	3.6	3.1	2.6	2.6	3.6	4.2	5.7
135°	4.7	4.2	4.2	3.6	4.2	3.6	2.6	2.6	2.6	3.1	4.2
137.5°	4.7	4.7	4.7	4.2	4.7	3.6	2.6	2.6	2.6	2.6	3.1
140°	5.7	5.7	5.2	4.7	5.2	4.2	3.1	2.6	2.6	2.6	3.1
142.5°	6.7	6.7	6.2	5.7	5.2	4.2	3.6	3.1	3.1	3.1	3.1
145°	7.8	7.3	7.3	6.2	5.2	4.2	3.6	3.6	3.6	3.6	3.6
147.5°	7.8	7.8	7.3	5.7	4.7	3.1	3.1	4.2	4.2	4.2	4.2
150°	7.3	7.3	6.2	5.2	3.6	2.6	2.6	3.6	4.2	4.2	4.2
152.5°	5.7	5.2	4.7	3.1	2.6	1.6	2.1	2.6	3.1	3.1	3.6
155°	3.6	3.1	2.6	2.1	2.1	1.6	1.6	2.1	2.1	2.1	2.6
157.5°	1.6	1.6	1.0	1.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.5	0.5	0.5	0.5	1.6	1.6	1.6	1.0	1.0	1.0	1.0
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	3.1	3.1	3.1	3.1	3.1	2.6	3.1	3.6	4.2	4.2	4.2
5°	3.1	3.1	3.1	3.6	3.6	3.1	3.6	4.7	5.2	5.2	5.2
7.5°	3.6	3.1	3.6	4.2	4.2	4.2	18.2	52.4	58.1	59.2	60.2
10°	5.2	5.2	5.2	5.7	6.2	54.5	64.4	67.5	69.6	71.1	71.6
12.5°	78.9	69.0	43.1	11.4	55.0	67.5	71.1	76.3	78.9	82.0	81.0
15°	177.0	156.8	117.8	100.7	98.6	75.3	78.9	131.3	145.9	148.5	147.9
17.5°	200.4	172.3	131.3	140.2	145.9	113.2	132.9	146.9	149.5	152.1	151.6
20°	372.7	296.9	178.0	154.2	152.6	191.0	141.7	146.4	151.6	178.6	181.7
22.5°	413.7	341.6	233.1	225.8	184.3	194.1	184.8	187.4	203.5	203.5	202.4
25°	518.0	413.2	263.2	230.5	234.1	193.1	217.0	187.4	190.5	190.5	191.0
27.5°	673.8	531.0	349.3	256.9	231.5	233.6	206.1	190.0	217.5	220.6	222.2
30°	721.0	551.3	345.7	287.0	241.9	226.8	192.6	212.8	205.0	205.0	203.5
32.5°	1007.5	752.1	430.3	280.8	248.1	210.7	213.3	200.4	196.7	212.8	212.8
35°	1064.1	774.5	415.3	316.1	238.3	219.6	203.0	206.1	199.3	198.3	196.7
37.5°	1129.0	790.0	381.5	296.9	251.8	210.7	209.7	201.9	193.1	205.6	207.6
40°	1190.8	805.1	354.5	274.1	232.5	209.7	205.6	201.4	182.7	182.7	182.2
42.5°	1260.3	814.9	330.1	255.9	213.9	210.2	198.8	185.8	173.4	177.0	176.0
45°	1332.5	821.2	305.2	235.7	197.2	217.5	199.3	193.6	183.8	185.3	183.8
47.5°	1421.2	831.6	283.4	215.9	186.9	199.3	188.4	185.8	191.5	186.3	189.5
50°	1515.7	837.3	263.2	198.8	176.5	193.6	195.2	187.4	191.5	182.7	182.2
52.5°	1628.9	842.5	241.4	187.4	174.9	192.6	204.5	196.2	188.9	177.5	176.5
55°	1728.5	825.8	222.7	180.1	185.3	190.5	212.3	202.4	187.4	174.4	174.9
57.5°	1837.0	804.6	207.6	177.0	183.2	186.9	223.2	211.3	194.1	194.7	195.2
60°	1949.1	784.3	198.3	176.5	180.6	188.4	224.8	223.2	203.0	207.6	211.3
62.5°	2083.1	768.2	196.7	180.1	190.0	196.7	226.3	242.4	224.8	226.8	227.9
65°	2187.9	721.5	195.2	182.2	193.6	198.3	226.8	255.9	248.1	260.1	259.0
67.5°	2155.7	635.3	192.6	184.3	196.2	206.6	226.3	265.8	264.7	292.2	289.6
70°	2024.4	539.8	184.3	181.7	197.2	210.7	226.8	268.4	273.0	312.0	309.4
72.5°	1803.3	435.5	169.2	174.4	197.8	215.9	233.6	268.9	274.1	329.1	321.3
75°	1509.0	351.9	146.9	157.8	204.0	219.0	235.1	263.7	263.7	315.6	305.7
77.5°	1085.9	271.0	126.7	143.3	201.9	217.0	230.5	251.8	248.1	273.0	263.7
80°	632.8	199.8	108.0	140.7	189.5	212.8	217.5	222.2	205.0	210.7	205.0
82.5°	380.0	147.9	93.4	126.1	166.6	191.5	195.2	187.4	164.5	164.0	156.2
85°	227.9	101.2	68.5	97.6	131.3	159.9	164.0	142.2	120.9	133.4	119.4
87.5°	168.2	63.8	47.2	60.7	79.9	74.7	97.6	91.9	78.4	75.3	74.2
90°	151.6	48.8	38.9	49.3	54.0	46.2	49.8	49.8	40.5	40.0	37.9
92.5°	150.0	45.7	41.5	48.3	43.6	36.9	40.5	40.0	32.2	30.6	29.1
95°	140.2	41.0	41.5	43.6	38.4	30.1	32.7	30.6	22.8	21.3	19.7
97.5°	65.9	28.5	39.4	37.9	31.7	23.4	27.0	23.4	16.1	14.0	14.0
100°	15.6	24.4	33.7	34.3	25.4	17.6	18.7	15.1	10.4	8.8	8.8
102.5°	15.6	10.9	20.8	27.0	15.6	7.3	10.4	9.9	7.8	7.8	8.3
105°	15.6	10.4	10.4	17.6	9.3	4.7	4.7	6.2	6.7	8.8	9.9
107.5°	16.1	10.9	8.3	8.3	6.7	4.7	4.2	4.7	6.7	10.4	10.9
110°	13.5	9.9	7.8	7.3	6.7	4.7	3.6	4.7	6.7	11.4	12.5



REPORT NUMBER: P415661

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	8.8	6.7	6.7	5.7	4.7	3.6	4.2	7.3	12.5	13.5
115°	9.9	8.3	6.2	5.7	4.7	4.2	3.6	4.2	7.8	13.5	14.5
117.5°	10.4	8.3	5.7	5.2	4.2	3.1	3.1	4.2	7.8	14.0	15.1
120°	10.4	8.3	5.7	5.2	4.2	3.1	3.1	4.7	8.3	13.5	14.5
122.5°	9.9	8.3	5.7	5.2	4.2	2.6	3.1	4.2	7.8	13.0	14.0
125°	8.8	7.8	5.7	4.7	4.2	2.6	3.1	4.2	7.8	12.5	13.0
127.5°	8.3	7.3	5.2	4.7	3.6	2.6	3.1	4.2	7.3	11.4	11.9
130°	7.3	6.7	4.7	4.2	3.6	2.6	3.1	4.2	7.3	10.4	10.9
132.5°	5.7	5.2	4.2	3.6	3.6	2.6	3.1	3.6	5.7	8.8	9.3
135°	4.2	4.2	3.6	3.6	3.6	2.6	3.1	3.1	4.7	6.7	7.3
137.5°	3.1	3.1	3.1	3.6	3.1	2.6	2.6	3.1	4.2	5.2	5.7
140°	3.1	3.1	3.1	3.6	3.1	2.6	2.6	3.1	3.6	4.2	4.7
142.5°	3.1	3.1	3.1	3.6	3.1	2.1	2.6	3.1	3.6	4.2	4.2
145°	3.6	3.6	3.6	3.6	3.1	2.1	2.1	3.1	3.6	4.2	4.2
147.5°	4.2	4.2	3.6	3.6	3.1	1.6	1.6	3.1	3.6	4.2	4.2
150°	4.2	4.2	3.6	3.6	2.6	1.6	1.6	2.6	3.6	3.6	3.6
152.5°	3.1	3.1	3.1	3.1	2.6	1.0	1.0	2.1	3.1	3.1	3.1
155°	2.6	2.6	2.6	2.6	2.1	1.0	0.5	1.6	2.6	2.6	2.6
157.5°	1.6	2.1	2.1	2.6	2.1	1.0	0.5	1.0	2.1	2.1	2.1
160°	1.0	1.6	1.6	2.1	2.1	1.0	0.5	1.0	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

(END OF REPORT)