

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: P415651

Luminaire Tested: **LXF.LXT-PA1-50-827-U-SL3-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415651  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-2)  
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-SL3-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4427 lumens  
Efficiency: N/A  
Efficacy: 82.0 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

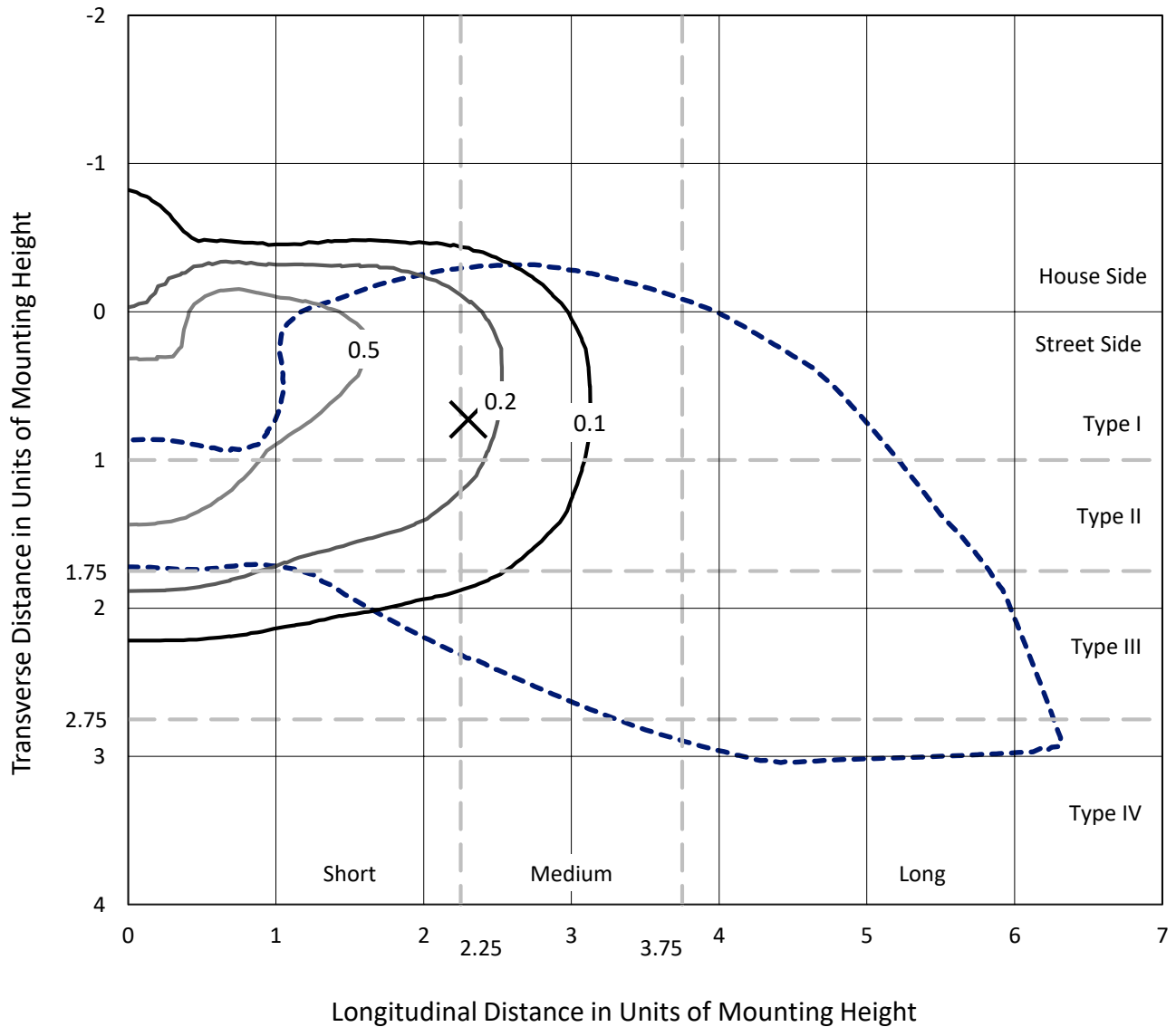
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

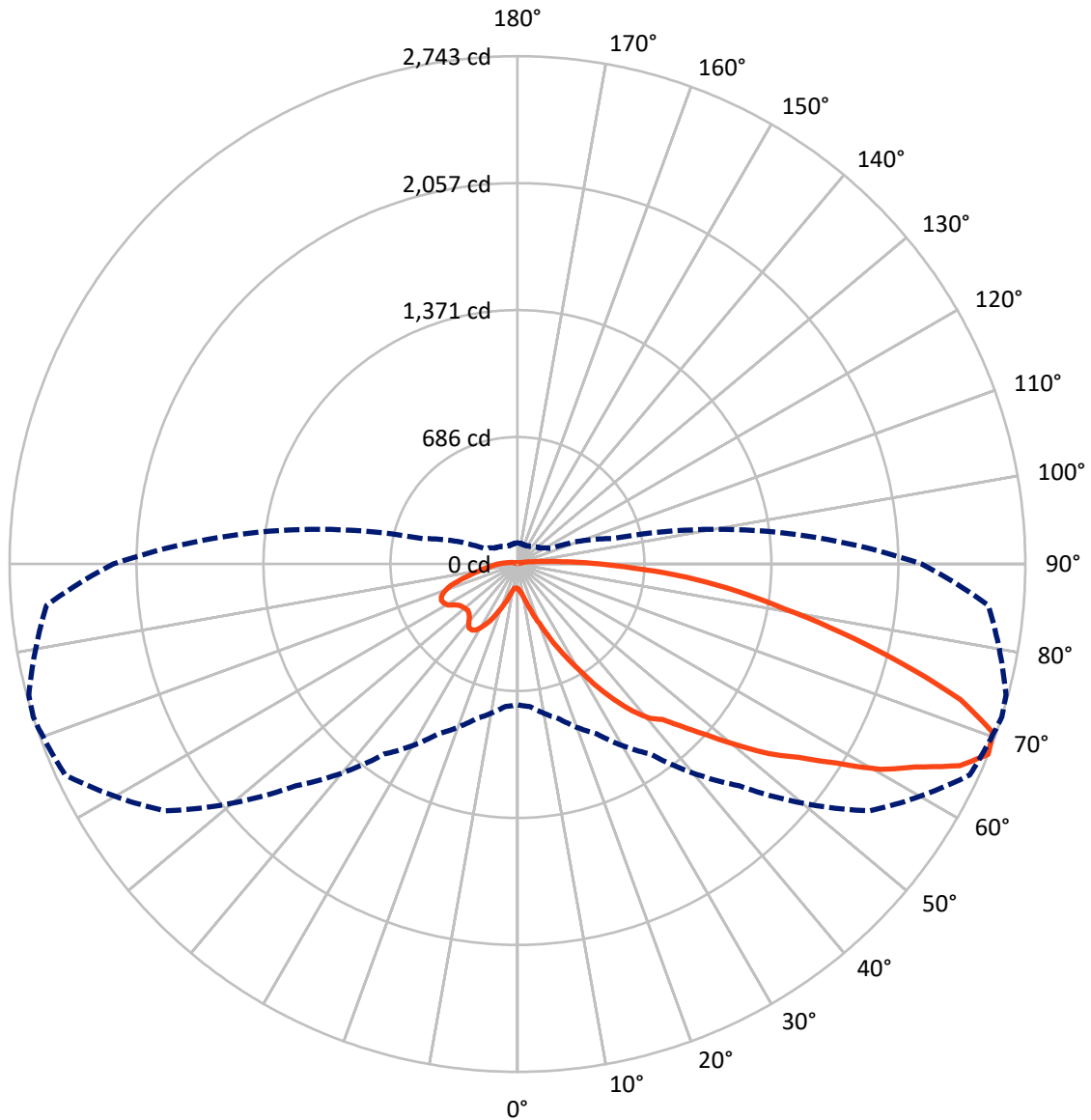
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	774.6	68.1	842.7
	% Fixture	17.5	1.5	19.0
<b>Street Side</b>	Lumens	3488.0	96.3	3584.3
	% Fixture	78.8	2.2	81.0
<b>Total</b>	Lumens	4262.6	164.4	4427.0
	% Fixture	96.3	3.7	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	0.3
10°-20°	59.8	1.3
20°-30°	165.6	3.7
30°-40°	356.0	8.0
40°-50°	602.6	13.6
50°-60°	884.1	20.0
60°-70°	1054.4	23.8
70°-80°	787.4	17.8
80°-90°	339.1	7.7
90°-100°	98.4	2.2
100°-110°	32.0	0.7
110°-120°	15.0	0.3
120°-130°	9.1	0.2
130°-140°	5.9	0.1
140°-150°	2.6	0.1
150°-160°	0.9	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	4262.6	96.3
0°-180°	4427.0	100.0



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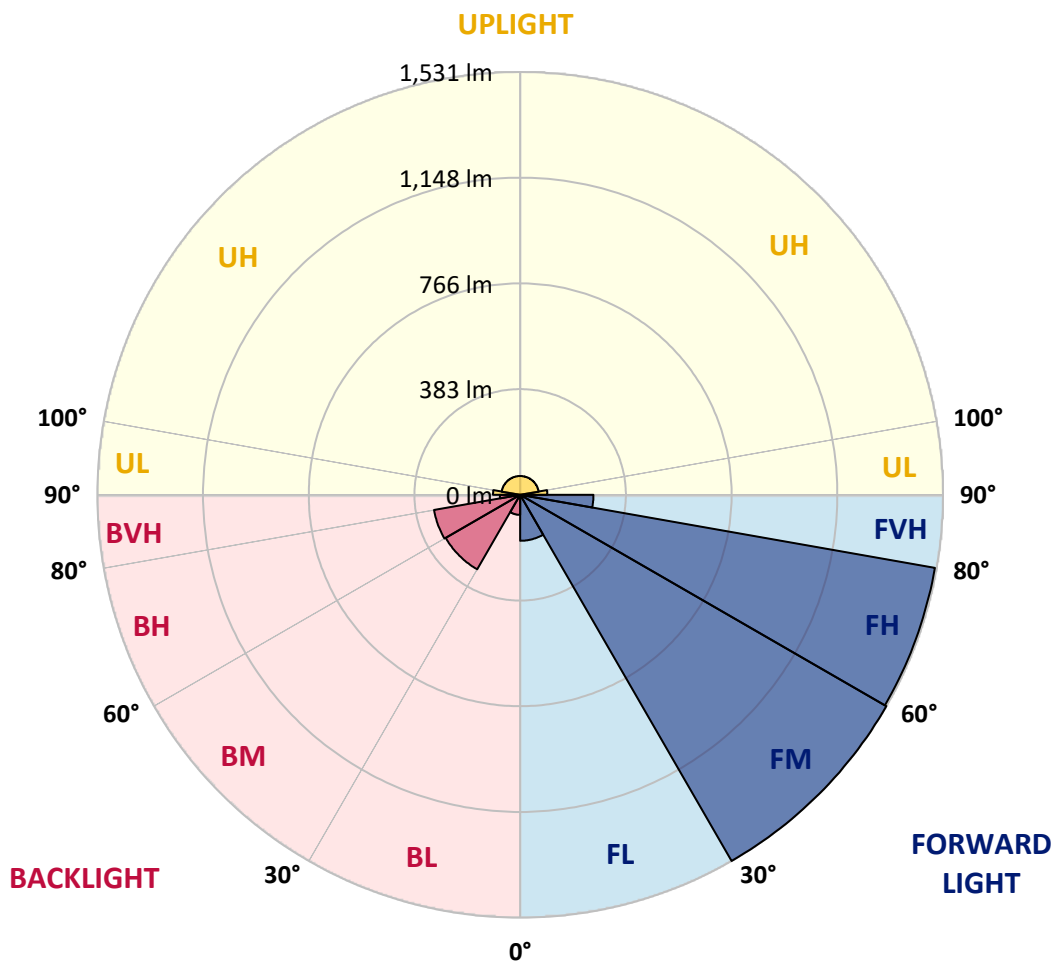
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	166.6	3.8			
FM (30°-60°)	1531.2	34.6			
FH (60°-80°)	1525.0	34.4			G1/1800
FVH (80°-90°)	265.2	6.0			G3/500
BL (0°-30°)	72.6	1.6	B0/110		
BM (30°-60°)	311.5	7.0	B1/1000		
BH (60°-80°)	316.7	7.2	B1/500		G1/500
BVH (80°-90°)	73.8	1.7			G1/100
UL (90°-100°)	98.4	2.2		U3/500	
UH (100°-180°)	68.1	1.5		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°	72.5°	75°	85°
0°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	145.3	146.4	147.4	146.9	146.4	144.8	142.2	139.6	137.0	137.0	135.0
5°	166.1	165.6	165.1	165.6	163.0	159.3	155.2	150.5	146.9	145.9	140.7
7.5°	190.0	188.9	190.0	186.9	183.2	178.5	172.3	166.1	159.9	158.8	150.5
10°	218.5	217.5	217.0	214.4	207.6	200.9	194.6	184.8	180.1	178.5	167.6
12.5°	254.3	253.8	250.7	245.5	236.7	229.9	221.1	215.9	211.2	207.6	196.7
15°	295.3	296.4	292.7	281.8	270.9	260.6	256.4	252.3	248.6	247.1	237.7
17.5°	352.9	350.9	342.6	326.0	308.3	300.0	296.4	293.8	297.4	296.4	281.8
20°	424.1	418.9	405.9	377.3	355.5	342.0	338.9	343.6	345.7	350.9	341.0
22.5°	507.6	500.9	479.1	446.9	415.2	389.8	386.7	400.7	413.7	415.2	411.1
25°	589.1	582.9	563.7	521.6	479.1	445.3	438.1	469.2	495.2	499.8	505.5
27.5°	672.7	669.6	641.5	595.9	549.1	506.6	505.5	539.3	579.8	590.7	600.5
30°	767.7	774.9	739.6	682.0	623.4	574.1	571.5	621.3	671.1	694.5	711.1
32.5°	901.6	895.3	851.2	786.9	699.7	642.1	645.7	703.8	787.9	807.6	829.4
35°	1055.2	1057.3	997.1	896.9	794.1	723.0	720.4	801.4	899.0	915.6	951.9
37.5°	1181.3	1191.7	1147.1	1031.9	900.0	808.1	811.8	902.6	1005.4	1038.6	1070.3
40°	1316.8	1326.1	1274.2	1162.1	1015.2	902.1	907.3	995.5	1093.6	1120.6	1128.4
42.5°	1464.7	1474.1	1411.3	1278.4	1112.3	1015.2	995.0	1062.5	1148.1	1181.9	1188.6
45°	1603.3	1619.4	1556.1	1399.9	1220.8	1117.0	1086.4	1140.8	1253.0	1284.1	1291.4
47.5°	1645.9	1665.1	1637.6	1509.9	1324.6	1204.7	1184.4	1260.2	1381.2	1427.4	1418.0
50°	1686.9	1704.5	1687.9	1574.8	1410.8	1306.4	1311.1	1399.3	1536.4	1595.5	1588.3
52.5°	1693.1	1711.3	1694.1	1614.7	1484.5	1409.2	1461.1	1565.4	1701.4	1744.5	1734.1
55°	1703.5	1715.4	1699.9	1610.1	1537.9	1518.7	1616.8	1735.7	1843.6	1895.0	1877.9
57.5°	1559.2	1563.9	1620.4	1596.6	1549.3	1640.2	1792.2	1899.7	2026.9	2103.7	2094.8
60°	1351.6	1361.4	1431.5	1486.5	1541.5	1726.8	1964.6	2127.0	2251.6	2301.9	2254.2
62.5°	1180.8	1191.7	1265.4	1336.0	1475.6	1765.3	2144.7	2330.5	2412.5	2458.2	2401.6
65°	951.4	959.7	1049.5	1188.1	1368.2	1750.2	2279.6	2542.3	2624.8	2643.0	2533.4
67.5°	760.4	772.9	864.2	1012.1	1253.0	1693.1	2323.7	2694.9	2742.6	2731.7	2552.6
70°	565.8	572.0	683.6	871.5	1116.5	1568.5	2281.7	2729.1	2721.8	2707.8	2462.3
72.5°	389.8	388.8	493.6	676.8	974.2	1426.3	2086.0	2535.5	2501.3	2464.9	2154.0
75°	251.7	265.7	331.1	492.0	787.9	1220.8	1832.7	2201.8	2143.6	2086.0	1774.6
77.5°	169.7	179.6	232.5	352.4	602.1	1026.7	1577.4	1890.9	1793.8	1741.4	1432.6
80°	116.8	120.9	161.4	259.0	447.9	814.4	1291.9	1564.9	1459.0	1396.7	1111.8
82.5°	82.0	85.1	112.6	191.0	337.4	608.3	1031.3	1301.8	1190.7	1145.5	863.7
85°	59.2	61.2	81.0	142.2	256.4	456.8	784.8	1012.6	916.1	881.3	617.1
87.5°	44.1	46.2	61.2	105.4	197.2	347.2	585.5	725.1	621.3	576.1	389.8
90°	32.7	34.8	47.2	78.9	154.2	261.6	424.1	495.7	403.3	365.4	248.6
92.5°	24.4	26.0	35.3	57.6	117.8	200.3	299.0	313.5	238.8	217.5	156.8
95°	18.2	19.2	26.5	42.0	84.1	145.9	195.7	183.2	140.7	127.7	99.1
97.5°	15.1	15.6	20.8	32.2	59.2	102.3	125.6	112.6	90.8	84.6	68.5
100°	12.5	13.0	16.6	24.4	43.1	70.1	83.0	73.2	63.3	60.7	53.5
102.5°	10.9	11.4	14.0	20.2	32.2	50.3	57.6	52.4	46.7	44.6	41.5
105°	9.9	9.9	12.5	17.1	26.5	37.9	42.0	38.4	34.8	33.7	33.2
107.5°	8.8	8.8	10.9	15.1	21.8	29.6	31.7	28.5	25.4	24.9	26.5
110°	8.3	8.3	9.9	13.5	18.7	24.4	24.9	21.3	19.2	19.2	21.3



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	7.8	7.8	9.3	11.9	16.6	20.2	19.7	16.6	15.1	15.1	17.6
115°	7.8	7.8	8.8	11.4	14.5	17.1	16.1	13.5	12.5	12.5	15.1
117.5°	7.8	8.3	8.8	10.9	13.5	15.1	14.0	11.4	10.9	10.9	13.5
120°	8.3	8.3	8.8	10.9	12.5	13.0	11.9	9.9	9.3	9.9	12.5
122.5°	8.3	8.3	9.3	10.9	11.9	11.9	10.4	8.8	8.8	8.8	11.4
125°	8.8	8.8	9.3	10.9	11.4	10.9	9.3	8.3	8.3	8.8	10.4
127.5°	9.3	9.3	9.9	10.9	10.9	9.9	8.8	7.8	7.8	8.3	10.4
130°	10.4	10.4	10.4	10.9	9.9	8.8	7.8	7.3	7.8	8.3	10.4
132.5°	10.4	10.4	10.4	10.4	9.3	7.8	7.3	6.7	7.8	8.3	9.9
135°	9.3	9.3	9.3	9.3	8.3	6.7	6.2	6.2	7.3	7.8	9.3
137.5°	8.3	8.3	8.3	7.8	7.3	6.2	5.2	5.2	6.2	6.7	8.3
140°	7.3	7.3	6.7	6.7	6.2	5.2	4.7	4.7	5.2	5.7	6.7
142.5°	5.7	5.7	5.7	5.7	5.2	4.2	3.6	3.6	4.7	5.2	5.7
145°	4.7	4.7	4.7	4.7	4.2	3.6	3.1	3.1	3.6	4.2	4.7
147.5°	3.6	3.6	4.2	4.2	3.6	3.1	2.1	2.6	3.1	3.1	3.6
150°	3.1	3.1	3.1	3.6	2.6	2.1	1.6	2.1	2.6	2.6	3.1
152.5°	2.6	2.6	2.6	2.6	2.1	1.0	1.6	2.1	2.1	2.6	2.6
155°	1.6	1.6	2.1	2.1	1.6	1.0	1.6	1.6	2.1	2.1	2.6
157.5°	1.0	1.0	1.6	1.6	1.6	1.0	1.0	1.6	1.6	1.6	2.1
160°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
162.5°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
165°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
167.5°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
170°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
172.5°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
175°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
177.5°	0.0	0.5	1.0	1.6	1.6	1.0	1.0	1.0	1.0	1.0	1.6
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9	132.9
2.5°	133.4	132.4	130.3	128.2	126.1	124.1	123.5	122.5	122.0	121.5	122.0
5°	138.6	135.5	130.8	126.1	122.0	118.3	115.7	113.2	111.1	110.0	110.0
7.5°	147.9	142.7	135.0	127.2	119.9	113.7	109.5	105.9	103.3	102.3	101.7
10°	162.5	156.2	144.8	132.4	121.5	112.1	105.9	101.7	99.1	97.6	97.6
12.5°	187.9	180.6	162.5	143.3	125.6	112.6	104.3	100.2	97.6	97.1	97.6
15°	227.9	216.4	190.0	162.5	135.5	113.7	103.3	101.7	102.8	103.3	103.3
17.5°	274.6	259.0	225.3	183.7	146.4	118.3	107.4	106.4	108.0	109.5	110.6
20°	327.0	306.8	258.0	204.0	153.6	125.1	111.6	109.5	113.2	116.3	115.7
22.5°	393.4	369.0	299.5	219.6	158.8	126.6	113.2	111.1	117.3	120.9	122.0
25°	480.6	445.9	348.3	236.2	161.9	124.6	112.1	112.6	122.0	129.2	130.8
27.5°	575.6	525.3	393.4	249.7	161.9	119.4	110.6	116.8	129.8	139.1	140.1
30°	679.4	609.4	432.9	260.0	157.3	114.2	109.0	118.9	131.8	141.7	142.7
32.5°	790.0	696.6	473.9	263.7	150.5	110.0	107.4	117.3	128.2	137.0	139.1
35°	888.1	774.4	490.0	258.5	141.2	106.9	103.8	112.1	123.0	133.9	134.4
37.5°	990.3	848.6	497.2	243.9	131.8	103.8	100.7	108.5	121.5	134.4	136.0
40°	1033.9	867.8	476.5	223.7	123.0	101.7	99.1	108.0	122.0	135.0	137.0
42.5°	1078.6	886.5	451.0	194.6	117.3	101.2	100.7	108.0	119.4	129.8	131.3
45°	1154.9	928.0	439.6	174.9	114.2	102.8	102.3	106.4	114.7	124.1	127.2
47.5°	1263.9	990.8	433.9	162.5	114.2	105.4	103.8	104.8	110.0	118.3	120.9
50°	1403.5	1078.0	441.2	155.7	116.8	109.0	105.9	104.3	106.4	115.2	118.3
52.5°	1520.8	1161.6	450.0	154.7	120.9	113.7	109.0	104.3	105.9	116.3	119.9
55°	1643.8	1241.0	459.9	157.3	126.1	117.3	111.1	105.4	106.4	116.3	120.4
57.5°	1822.3	1376.0	485.3	163.0	131.3	121.5	113.7	106.9	105.9	113.7	116.8
60°	1985.3	1504.7	523.2	173.9	137.5	125.6	116.3	108.0	105.4	110.6	112.6
62.5°	2083.9	1574.2	537.7	184.3	143.8	129.2	117.3	108.0	106.9	111.6	113.2
65°	2185.7	1640.7	543.4	192.6	147.4	131.3	117.3	109.0	109.0	112.1	112.6
67.5°	2182.0	1626.2	529.9	196.7	150.5	132.4	117.3	109.0	110.0	113.2	113.7
70°	2086.5	1542.6	496.2	196.2	150.0	130.8	115.2	108.5	112.6	116.3	116.8
72.5°	1806.3	1326.1	441.7	190.0	145.3	126.6	112.1	107.4	113.7	118.9	118.9
75°	1481.9	1080.1	364.9	178.0	139.6	121.5	107.4	103.8	111.6	118.9	118.9
77.5°	1167.3	845.5	295.9	162.5	131.3	115.2	101.7	97.6	106.4	113.2	112.6
80°	906.8	641.0	237.7	146.9	122.0	108.5	95.0	90.3	98.1	102.8	101.7
82.5°	695.5	493.6	196.2	132.4	112.6	100.7	88.2	84.1	91.4	94.5	93.4
85°	474.9	353.5	160.9	116.3	100.7	91.4	81.5	78.4	86.7	90.3	89.3
87.5°	313.5	242.9	134.4	102.3	88.8	82.0	73.7	72.7	82.0	85.6	85.1
90°	207.1	169.7	114.2	88.8	77.3	71.6	66.4	66.4	74.7	77.9	75.8
92.5°	136.5	120.4	90.3	75.3	65.9	62.3	59.2	58.7	65.9	67.0	65.4
95°	92.9	84.6	70.6	62.3	55.5	53.5	50.9	51.9	56.6	55.5	54.0
97.5°	66.4	64.4	57.1	50.9	46.2	45.7	44.6	45.2	47.8	45.7	44.6
100°	52.9	51.4	47.2	42.6	39.4	38.9	38.4	38.9	40.5	38.4	37.4
102.5°	42.6	42.6	39.4	35.8	33.2	33.7	33.7	33.7	34.3	31.1	31.1
105°	34.3	34.3	33.2	30.1	28.5	28.5	29.1	29.1	29.1	27.0	27.0
107.5°	27.5	28.5	28.0	25.4	24.4	24.9	24.9	24.4	24.4	23.4	23.4
110°	22.3	23.4	23.4	21.8	21.3	21.8	21.3	20.8	20.2	20.2	20.2



REPORT NUMBER: P415651

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-SL3-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.7	19.7	20.2	19.2	18.7	18.7	18.2	17.6	17.6	18.2	18.2
115°	16.1	17.1	17.6	16.6	16.6	16.6	15.6	15.1	15.1	16.1	16.1
117.5°	14.5	15.1	15.6	15.1	14.5	14.5	14.0	13.0	13.0	14.0	14.5
120°	13.0	13.5	14.0	13.5	13.0	12.5	11.9	11.4	11.4	13.0	13.0
122.5°	11.9	12.5	12.5	11.9	11.4	11.4	10.9	10.4	10.4	11.4	11.9
125°	11.4	11.4	11.4	10.9	10.4	9.9	9.3	9.3	9.3	10.4	10.4
127.5°	10.9	10.9	10.4	9.9	9.3	8.8	8.8	8.3	8.3	9.3	9.9
130°	10.9	10.9	9.9	9.3	8.8	7.8	7.8	7.3	7.8	8.8	8.8
132.5°	10.4	10.4	9.3	8.8	7.8	7.3	6.7	6.7	6.7	7.8	8.3
135°	9.9	9.3	8.3	7.8	6.7	6.2	6.2	6.2	6.2	7.3	7.3
137.5°	8.8	8.3	7.3	6.7	6.2	5.7	5.2	5.2	5.7	6.2	6.7
140°	7.3	7.3	6.2	5.7	5.2	4.7	4.7	4.7	5.2	5.7	5.7
142.5°	6.2	6.2	5.2	4.7	4.2	3.6	4.2	4.2	4.7	5.2	5.2
145°	5.2	4.7	4.7	3.6	3.6	3.1	3.1	3.6	4.2	4.7	4.7
147.5°	4.2	4.2	3.6	3.1	2.6	2.6	2.6	3.1	3.6	3.6	4.2
150°	3.6	3.6	3.1	3.1	2.1	1.6	2.1	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	2.6	2.1	1.0	1.6	2.6	2.6	2.6	2.6
155°	2.6	2.6	2.6	2.1	1.6	0.5	1.6	2.1	2.1	2.1	2.1
157.5°	2.1	2.1	2.1	2.1	1.0	0.5	1.0	1.6	1.6	1.6	2.1
160°	1.6	1.6	1.6	1.6	1.0	0.5	1.0	1.6	1.6	1.6	1.6
162.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.6	1.0	1.0	1.0
165°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	1.0	1.0
167.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5
170°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5
172.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5
175°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5
177.5°	1.6	1.6	1.6	1.6	1.0	0.5	0.5	1.0	1.0	0.5	0.5
180°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

(END OF REPORT)