

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: P413889

Luminaire Tested: **LXF.LXT-PA1-100-750-U-SL3-TL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413889  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-750-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9286 lumens  
Efficiency: N/A  
Efficacy: 96.7 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: B2 - U3 - G4

Input Watts (W): 96  
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

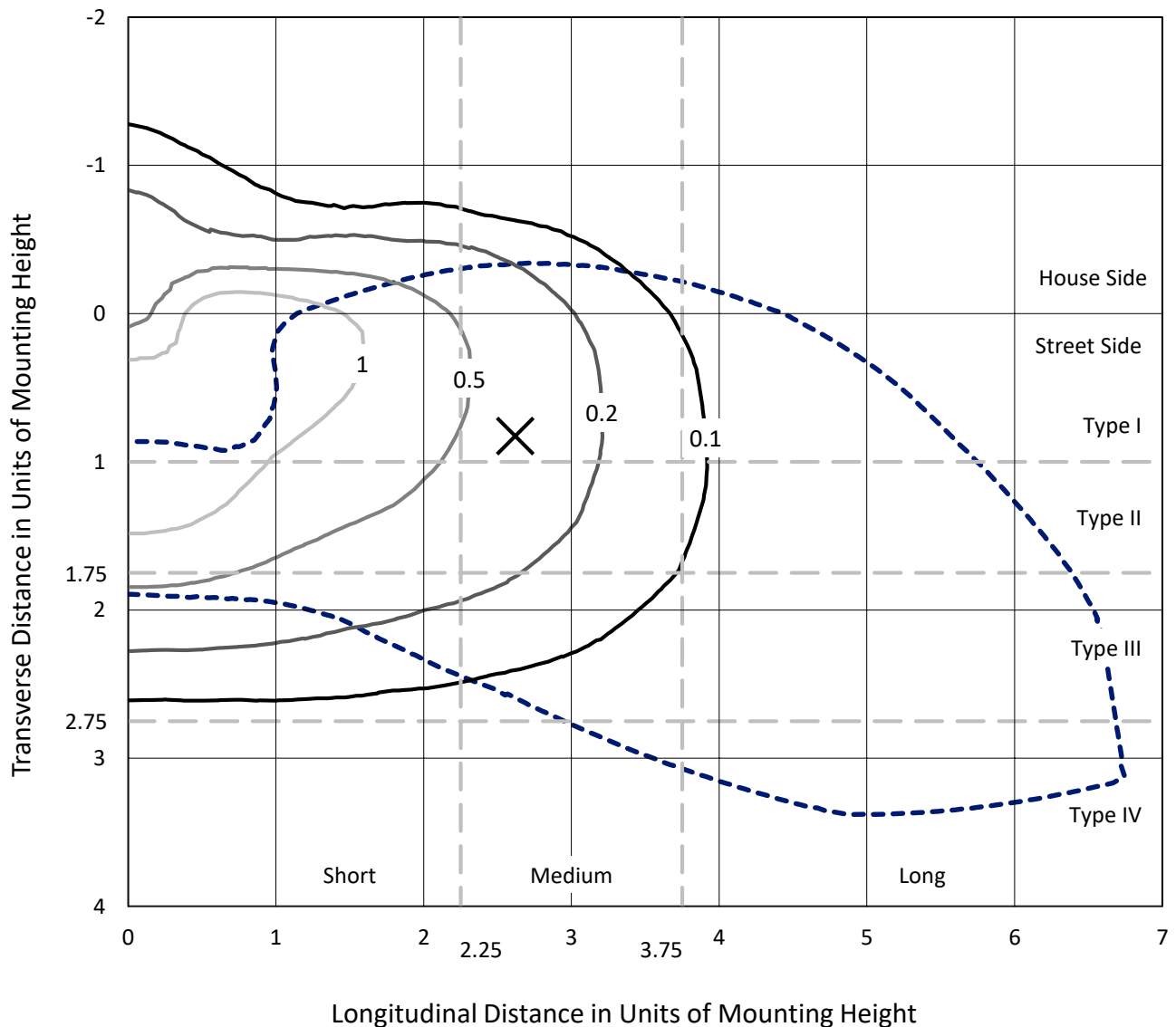


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

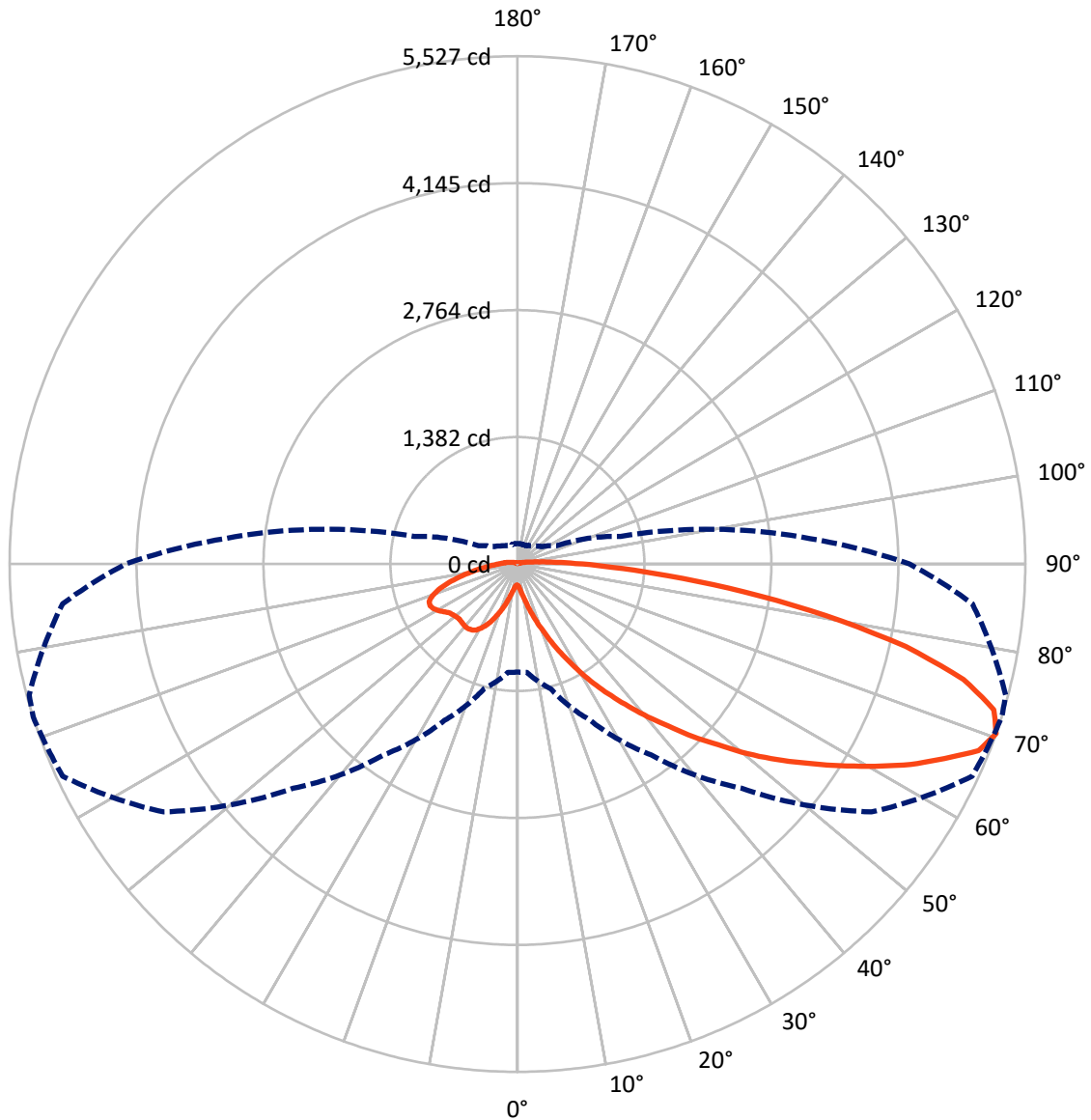


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1669.3	151.4	1820.8
	% Fixture	18.0	1.6	19.6
<b>Street Side</b>	Lumens	7290.4	174.9	7465.2
	% Fixture	78.5	1.9	80.4
<b>Total</b>	Lumens	8959.7	326.3	9286.0
	% Fixture	96.5	3.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	26.1	0.3
10°-20°	125.7	1.4
20°-30°	350.8	3.8
30°-40°	727.3	7.8
40°-50°	1256.2	13.5
50°-60°	1855.2	20.0
60°-70°	2189.7	23.6
70°-80°	1737.8	18.7
80°-90°	690.9	7.4
90°-100°	182.6	2.0
100°-110°	70.5	0.8
110°-120°	34.3	0.4
120°-130°	19.5	0.2
130°-140°	11.5	0.1
140°-150°	5.4	0.1
150°-160°	1.8	0.0
160°-170°	0.6	0.0
170°-180°	0.2	0.0
0°-90°	8959.7	96.5
0°-180°	9286.0	100.0

**Coefficient of Utilization**



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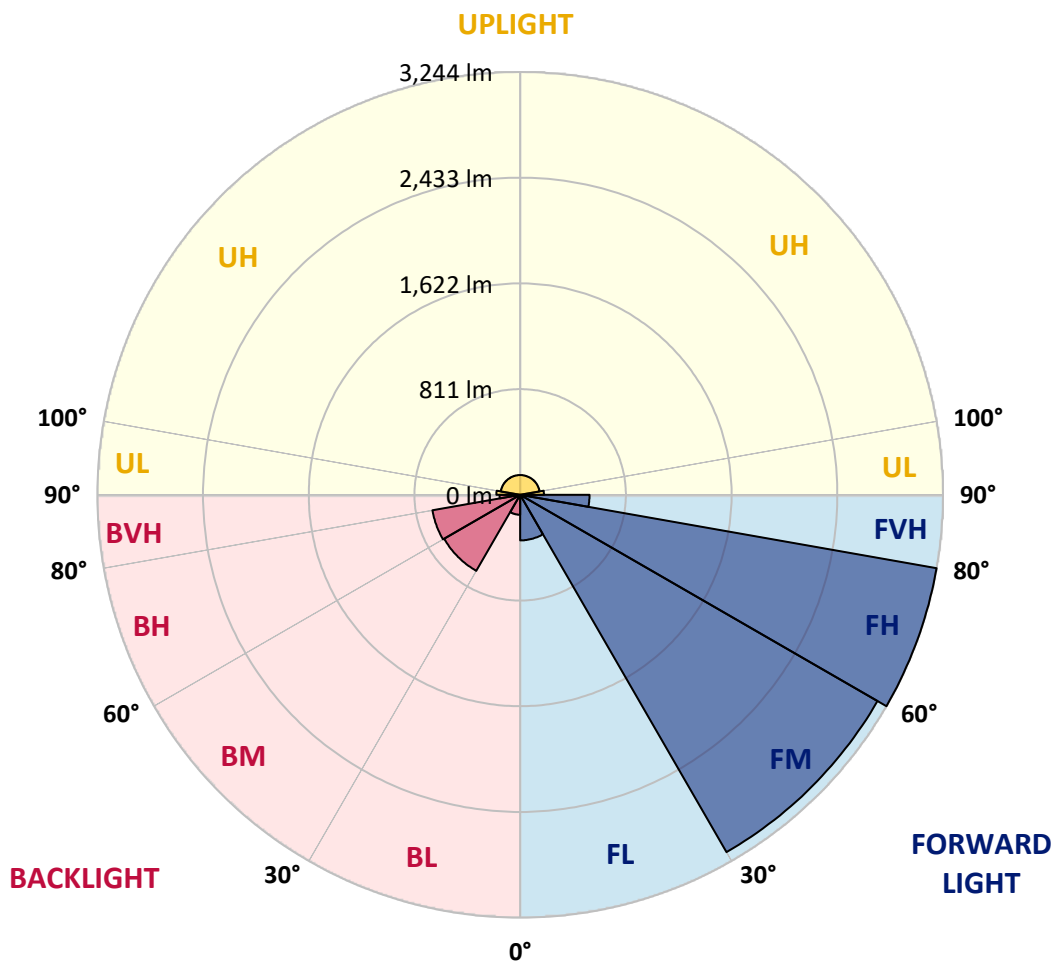
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.5	3.8			
FM	(30°-60°)	3165.1	34.1			
FH	(60°-80°)	3243.8	34.9			G2/5000
FVH	(80°-90°)	532.0	5.7			G4/750
BL	(0°-30°)	153.1	1.6	B1/500		
BM	(30°-60°)	673.6	7.3	B1/1000		
BH	(60°-80°)	683.7	7.4	B2/1000		G2/1000
BVH	(80°-90°)	158.9	1.7			G2/225
UL	(90°-100°)	182.6	2.0		U3/500	
UH	(100°-180°)	151.4	1.6		U3/500	

**BUG Rating: B2-U3-G4**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	261.0	262.0	261.0	261.0	258.8	257.7	251.1	246.8	243.5	241.3	238.0
5°	302.4	304.6	303.5	303.5	298.1	294.8	287.2	278.4	271.9	270.8	261.0
7.5°	358.1	357.0	352.7	351.6	349.4	343.9	333.0	319.9	313.4	311.2	297.0
10°	426.9	421.5	423.6	416.0	411.6	402.9	393.1	383.2	370.1	370.1	350.5
12.5°	495.7	507.7	504.4	493.5	484.8	470.6	458.6	455.3	440.0	442.2	423.6
15°	608.2	607.1	597.2	589.6	572.1	554.7	543.7	536.1	531.7	528.5	507.7
17.5°	727.2	720.6	713.0	690.1	664.9	649.7	639.8	632.2	637.6	636.6	611.4
20°	864.7	857.1	846.2	804.7	771.9	747.9	742.5	751.2	754.5	763.2	738.1
22.5°	1017.6	1014.3	988.1	941.2	885.5	853.8	848.4	869.1	894.2	898.6	881.1
25°	1201.0	1196.7	1160.6	1092.9	1019.8	971.7	971.7	1004.5	1046.0	1055.8	1047.1
27.5°	1397.6	1386.7	1339.7	1256.7	1156.3	1094.0	1086.4	1145.4	1203.2	1231.6	1220.7
30°	1623.6	1621.4	1543.9	1442.3	1322.2	1222.9	1219.6	1305.9	1387.7	1400.8	1403.0
32.5°	1856.2	1874.7	1785.2	1633.4	1488.2	1371.4	1365.9	1463.1	1576.6	1599.6	1599.6
35°	2124.7	2125.8	2015.6	1864.9	1666.2	1533.0	1517.7	1633.4	1760.1	1791.7	1809.2
37.5°	2395.5	2389.0	2289.6	2082.2	1859.4	1698.9	1684.7	1821.2	1965.3	2016.7	2013.4
40°	2661.9	2680.5	2554.9	2325.6	2057.1	1894.4	1859.4	2019.9	2185.9	2243.8	2220.8
42.5°	2949.1	2944.7	2832.3	2576.8	2277.6	2083.3	2062.5	2228.5	2413.0	2478.5	2457.8
45°	3200.2	3198.0	3075.8	2820.3	2488.3	2301.6	2273.2	2449.0	2680.5	2741.6	2699.1
47.5°	3431.7	3426.2	3299.6	3039.7	2672.9	2510.2	2512.4	2692.5	2938.2	3038.6	2973.1
50°	3610.8	3592.2	3512.5	3231.9	2872.7	2729.6	2771.1	2982.9	3245.0	3335.6	3264.6
52.5°	3706.8	3678.5	3616.2	3366.2	3061.6	2946.9	3026.6	3277.7	3536.5	3622.8	3545.2
55°	3661.0	3661.0	3626.0	3448.1	3195.9	3145.6	3306.1	3559.4	3829.1	3924.1	3855.3
57.5°	3476.5	3504.8	3521.2	3426.2	3288.7	3342.2	3596.6	3880.4	4139.2	4244.0	4153.4
60°	3153.3	3160.9	3281.0	3308.3	3325.8	3509.2	3897.9	4236.4	4469.0	4551.9	4449.3
62.5°	2695.8	2731.8	2878.1	3080.1	3271.2	3647.9	4214.6	4594.5	4804.2	4859.8	4710.3
65°	2187.0	2178.2	2449.0	2751.5	3120.5	3688.3	4470.0	4941.7	5104.4	5178.7	4918.8
67.5°	1658.5	1653.1	1903.1	2346.4	2865.0	3645.7	4677.5	5236.5	5415.6	5417.8	5049.8
70°	1175.9	1184.7	1406.3	1876.9	2535.3	3451.3	4702.6	5461.5	5527.0	5500.8	4970.1
72.5°	798.1	804.7	1015.4	1438.0	2098.5	3136.9	4493.0	5437.4	5422.1	5349.0	4642.6
75°	514.3	557.9	714.1	1092.9	1698.9	2683.8	4085.7	5093.5	5013.8	4892.6	4073.7
77.5°	354.9	376.7	496.8	796.0	1327.7	2216.5	3508.1	4402.4	4319.4	4170.9	3284.3
80°	240.2	250.0	341.8	595.1	1044.9	1742.6	2858.5	3544.2	3401.1	3248.3	2463.2
82.5°	160.5	179.1	245.7	426.9	790.5	1345.2	2173.9	2706.7	2479.6	2347.5	1730.6
85°	107.0	116.8	174.7	310.1	572.1	979.4	1564.6	1838.7	1638.9	1522.0	1106.0
87.5°	72.1	80.8	124.5	221.6	423.6	711.9	1048.2	1187.9	1027.4	954.3	669.3
90°	48.0	53.5	91.7	159.4	299.2	496.8	707.5	733.7	630.0	585.2	409.4
92.5°	33.8	39.3	68.8	117.9	209.6	345.0	454.2	444.4	371.2	349.4	264.2
95°	26.2	30.6	53.5	90.6	152.9	236.9	295.9	270.8	234.7	227.1	182.3
97.5°	22.9	25.1	44.8	73.2	115.7	168.1	192.2	183.4	158.3	154.0	133.2
100°	20.7	22.9	39.3	63.3	92.8	123.4	137.6	127.7	114.6	111.4	98.3
102.5°	19.7	20.7	34.9	54.6	76.4	97.2	105.9	95.0	85.2	84.1	75.3
105°	18.6	19.7	30.6	46.9	64.4	79.7	83.0	74.2	66.6	63.3	56.8
107.5°	17.5	17.5	27.3	41.5	55.7	66.6	68.8	60.1	51.3	49.1	44.8
110°	16.4	17.5	25.1	37.1	49.1	57.9	57.9	49.1	40.4	38.2	36.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	16.4	16.4	22.9	32.8	43.7	50.2	49.1	40.4	32.8	29.5	29.5
115°	15.3	16.4	21.8	30.6	39.3	43.7	41.5	33.8	26.2	24.0	25.1
117.5°	15.3	16.4	19.7	27.3	34.9	38.2	36.0	28.4	21.8	20.7	22.9
120°	15.3	16.4	19.7	25.1	30.6	33.8	31.7	24.0	19.7	18.6	20.7
122.5°	16.4	16.4	18.6	22.9	28.4	30.6	27.3	20.7	17.5	16.4	18.6
125°	16.4	16.4	18.6	21.8	26.2	27.3	24.0	18.6	15.3	15.3	17.5
127.5°	16.4	16.4	18.6	20.7	24.0	24.0	21.8	16.4	14.2	14.2	16.4
130°	16.4	16.4	17.5	19.7	21.8	21.8	18.6	14.2	13.1	13.1	15.3
132.5°	17.5	17.5	17.5	18.6	19.7	19.7	16.4	13.1	12.0	12.0	15.3
135°	16.4	16.4	16.4	17.5	17.5	17.5	14.2	12.0	10.9	12.0	14.2
137.5°	15.3	15.3	16.4	16.4	16.4	15.3	12.0	9.8	9.8	10.9	13.1
140°	15.3	14.2	15.3	15.3	14.2	13.1	10.9	8.7	8.7	9.8	10.9
142.5°	13.1	13.1	13.1	13.1	12.0	10.9	8.7	7.6	8.7	8.7	9.8
145°	12.0	12.0	12.0	10.9	10.9	8.7	6.6	6.6	6.6	7.6	8.7
147.5°	9.8	9.8	9.8	9.8	8.7	7.6	4.4	5.5	5.5	5.5	6.6
150°	7.6	7.6	8.7	7.6	6.6	5.5	3.3	4.4	5.5	5.5	5.5
152.5°	6.6	6.6	6.6	6.6	5.5	3.3	3.3	4.4	4.4	4.4	5.5
155°	4.4	4.4	4.4	4.4	3.3	2.2	3.3	3.3	4.4	4.4	4.4
157.5°	2.2	2.2	3.3	3.3	2.2	2.2	2.2	3.3	3.3	3.3	3.3
160°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
162.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
165°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
167.5°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
170°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
172.5°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
175°	0.0	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3
177.5°	0.0	1.1	2.2	2.2	3.3	2.2	2.2	2.2	2.2	2.2	3.3
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2





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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	235.8	233.7	229.3	224.9	221.6	218.4	216.2	212.9	210.7	210.7	210.7
5°	254.4	252.2	241.3	230.4	220.6	211.8	205.3	197.6	194.3	191.1	192.2
7.5°	291.5	283.9	266.4	247.9	231.5	214.0	200.9	190.0	183.4	179.1	179.1
10°	341.8	329.7	303.5	275.1	247.9	222.7	203.1	187.8	176.9	172.5	172.5
12.5°	406.2	394.2	353.8	311.2	269.7	233.7	208.5	188.9	176.9	171.4	171.4
15°	492.4	471.7	417.1	355.9	295.9	246.8	214.0	197.6	190.0	186.7	186.7
17.5°	595.1	564.5	493.5	401.8	322.1	259.9	228.2	212.9	206.4	205.3	205.3
20°	715.2	676.9	569.9	447.7	342.8	276.2	240.2	227.1	224.9	226.0	226.0
22.5°	851.6	796.0	648.6	489.2	362.5	286.1	248.9	238.0	240.2	245.7	244.6
25°	995.8	936.8	734.8	526.3	375.6	290.4	254.4	247.9	256.6	263.1	263.1
27.5°	1163.9	1072.2	813.4	552.5	378.9	287.2	255.5	252.2	264.2	274.1	276.2
30°	1335.3	1217.4	881.1	568.9	372.3	279.5	251.1	253.3	267.5	280.6	281.7
32.5°	1508.9	1355.0	936.8	572.1	361.4	269.7	246.8	251.1	266.4	280.6	282.8
35°	1681.5	1483.8	973.9	560.1	343.9	259.9	239.1	246.8	262.0	278.4	280.6
37.5°	1850.7	1606.1	996.9	540.5	326.5	251.1	233.7	241.3	256.6	275.1	277.3
40°	2035.2	1737.1	1010.0	517.5	309.0	243.5	230.4	238.0	253.3	270.8	274.1
42.5°	2204.5	1857.2	1011.1	489.2	295.9	240.2	228.2	234.7	248.9	267.5	270.8
45°	2425.0	1980.6	1011.1	465.1	287.2	239.1	228.2	233.7	246.8	266.4	270.8
47.5°	2633.6	2122.6	1013.2	444.4	282.8	241.3	230.4	232.6	243.5	266.4	270.8
50°	2875.9	2259.0	1030.7	429.1	281.7	245.7	233.7	231.5	240.2	264.2	269.7
52.5°	3117.2	2439.2	1052.5	418.2	283.9	250.0	235.8	231.5	236.9	258.8	265.3
55°	3381.5	2610.6	1076.6	419.3	288.2	254.4	239.1	230.4	232.6	250.0	256.6
57.5°	3645.7	2811.5	1129.0	425.8	293.7	259.9	242.4	230.4	227.1	240.2	245.7
60°	3877.2	2988.4	1183.6	440.0	301.4	265.3	244.6	229.3	222.7	230.4	234.7
62.5°	4121.7	3181.7	1227.2	452.0	310.1	269.7	244.6	228.2	219.5	224.9	227.1
65°	4281.2	3296.3	1250.2	467.3	318.8	273.0	245.7	226.0	218.4	221.6	223.8
67.5°	4363.0	3314.9	1234.9	472.8	326.5	275.1	244.6	223.8	219.5	221.6	223.8
70°	4265.9	3191.5	1161.7	469.5	328.6	275.1	242.4	221.6	219.5	222.7	223.8
72.5°	3914.3	2894.5	1053.6	453.1	325.4	270.8	239.1	218.4	218.4	223.8	223.8
75°	3370.6	2467.6	911.7	428.0	316.6	264.2	232.6	212.9	215.1	222.7	222.7
77.5°	2699.1	1952.2	751.2	392.0	300.3	253.3	223.8	205.3	210.7	219.5	218.4
80°	2009.0	1454.3	604.9	351.6	278.4	238.0	211.8	196.5	204.2	211.8	209.6
82.5°	1338.6	1020.9	478.2	309.0	255.5	222.7	198.7	184.5	194.3	202.0	198.7
85°	869.1	680.2	370.1	266.4	231.5	205.3	182.3	171.4	181.2	187.8	184.5
87.5°	541.6	456.4	281.7	227.1	206.4	185.6	168.1	156.1	166.0	172.5	168.1
90°	358.1	305.7	221.6	196.5	183.4	167.1	150.7	141.9	151.8	154.0	150.7
92.5°	235.8	216.2	180.2	168.1	161.6	148.5	136.5	128.8	136.5	137.6	135.4
95°	169.2	163.8	148.5	146.3	143.0	132.1	122.3	115.7	120.1	121.2	116.8
97.5°	128.8	127.7	126.7	126.7	124.5	116.8	108.1	102.6	104.8	103.7	100.5
100°	100.5	102.6	105.9	108.1	107.0	101.5	95.0	90.6	91.7	87.3	84.1
102.5°	78.6	83.0	88.4	91.7	91.7	87.3	84.1	79.7	76.4	71.0	69.9
105°	62.2	65.5	73.2	78.6	78.6	76.4	73.2	67.7	64.4	57.9	57.9
107.5°	49.1	53.5	62.2	66.6	67.7	65.5	63.3	59.0	53.5	46.9	46.9
110°	39.3	42.6	52.4	56.8	57.9	56.8	54.6	49.1	43.7	39.3	39.3



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	32.8	36.0	43.7	48.0	50.2	49.1	46.9	41.5	36.0	32.8	32.8
115°	28.4	31.7	37.1	41.5	42.6	42.6	39.3	36.0	29.5	28.4	28.4
117.5°	25.1	27.3	32.8	36.0	38.2	37.1	33.8	30.6	26.2	25.1	25.1
120°	22.9	25.1	29.5	32.8	32.8	31.7	29.5	26.2	22.9	21.8	22.9
122.5°	20.7	22.9	26.2	28.4	28.4	28.4	26.2	22.9	19.7	19.7	20.7
125°	19.7	20.7	24.0	25.1	26.2	25.1	22.9	19.7	17.5	18.6	18.6
127.5°	18.6	19.7	21.8	22.9	22.9	21.8	19.7	17.5	15.3	16.4	17.5
130°	17.5	18.6	19.7	20.7	20.7	19.7	17.5	15.3	14.2	15.3	15.3
132.5°	15.3	16.4	17.5	18.6	17.5	17.5	15.3	13.1	13.1	14.2	14.2
135°	14.2	15.3	15.3	16.4	15.3	15.3	13.1	12.0	12.0	13.1	13.1
137.5°	13.1	14.2	14.2	14.2	13.1	13.1	12.0	10.9	10.9	10.9	12.0
140°	12.0	12.0	12.0	12.0	10.9	10.9	9.8	8.7	9.8	9.8	9.8
142.5°	10.9	10.9	10.9	9.8	9.8	8.7	7.6	7.6	8.7	8.7	8.7
145°	8.7	8.7	8.7	7.6	7.6	6.6	6.6	6.6	7.6	7.6	7.6
147.5°	7.6	7.6	7.6	6.6	5.5	5.5	5.5	5.5	6.6	6.6	6.6
150°	6.6	6.6	6.6	5.5	4.4	4.4	3.3	4.4	5.5	5.5	5.5
152.5°	5.5	5.5	5.5	5.5	4.4	2.2	3.3	4.4	4.4	4.4	4.4
155°	4.4	4.4	5.5	4.4	3.3	1.1	2.2	3.3	3.3	3.3	3.3
157.5°	4.4	4.4	4.4	3.3	2.2	1.1	2.2	2.2	3.3	2.2	3.3
160°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	2.2	2.2	2.2
162.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	2.2	1.1	1.1	1.1
165°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
167.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
170°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
172.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
175°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
177.5°	3.3	3.3	3.3	3.3	2.2	1.1	1.1	1.1	1.1	1.1	1.1
180°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)