

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: P413884

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

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-14)  
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-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9564.1 lumens  
Efficiency: N/A  
Efficacy: 99.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type III - Medium - Non-Cutoff  
BUG Rating: B2 - U3 - G3

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

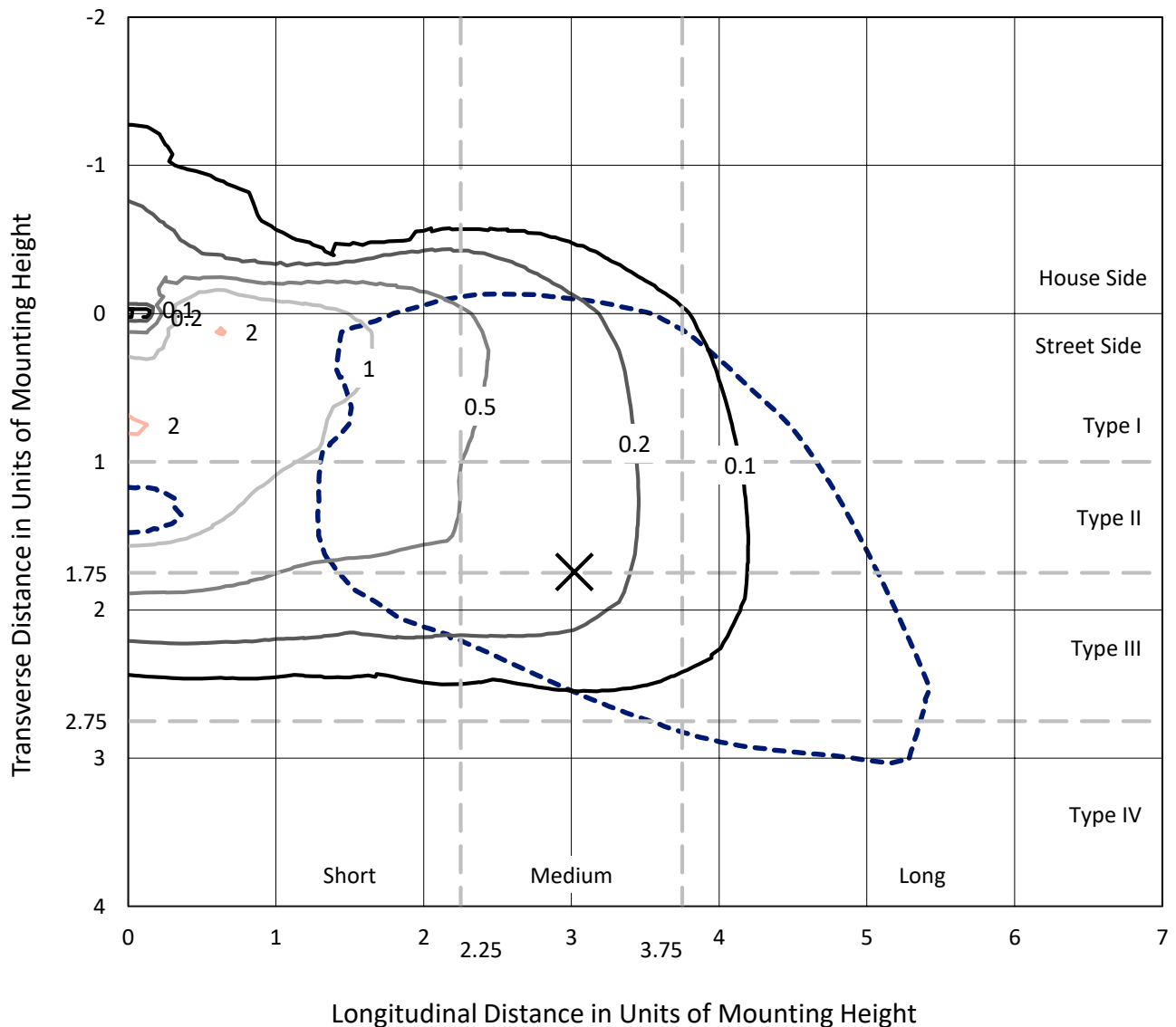


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

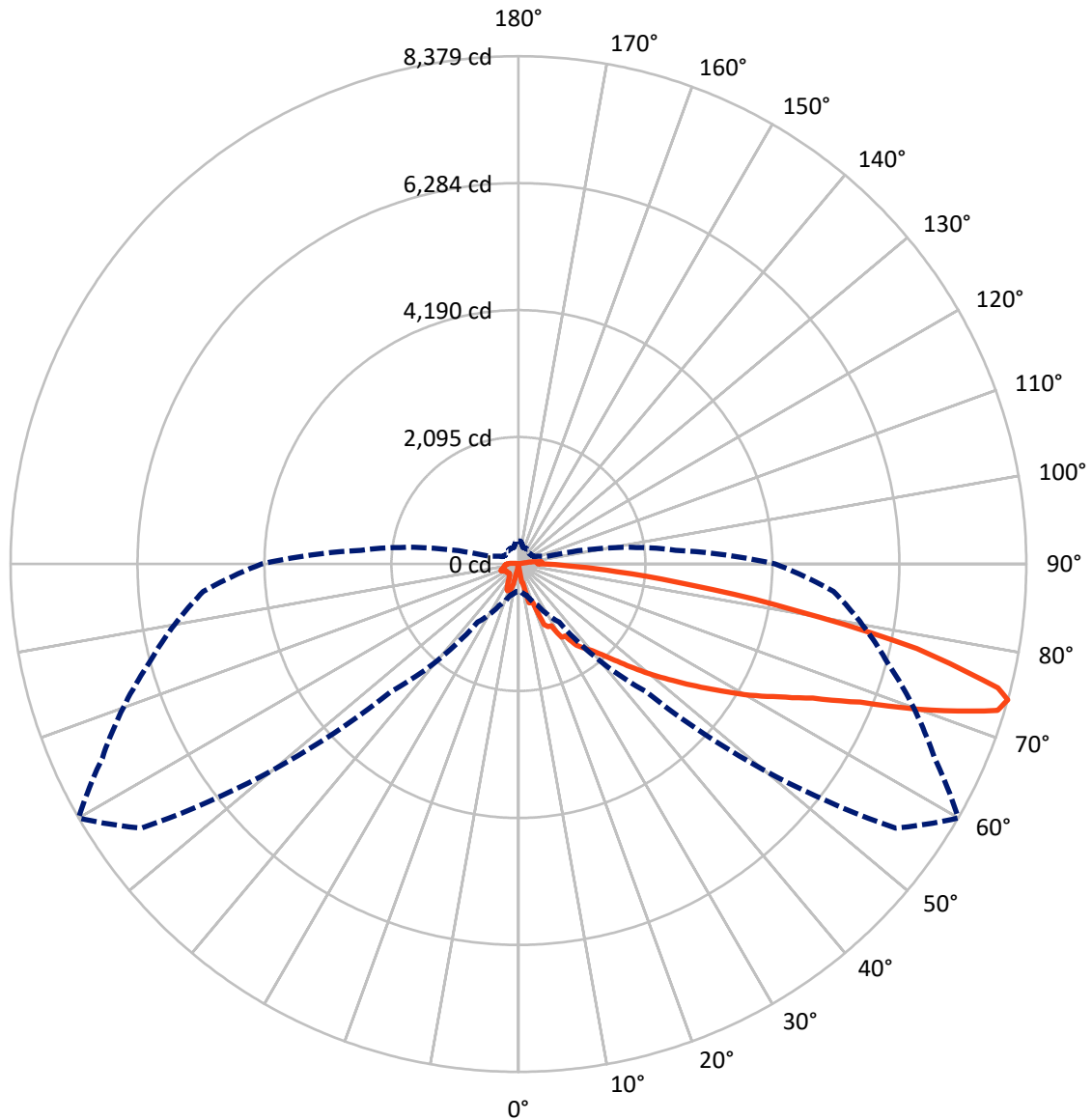


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type III - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 74-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1467.8	93.0	1560.8
	% Fixture	15.3	1.0	16.3
<b>Street Side</b>	Lumens	7903.6	99.7	8003.3
	% Fixture	82.6	1.0	83.7
<b>Total</b>	Lumens	9371.4	192.7	9564.1
	% Fixture	98.0	2.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	10.6	0.1
10°-20°	122.2	1.3
20°-30°	369.8	3.9
30°-40°	740.3	7.7
40°-50°	1270.0	13.3
50°-60°	1935.9	20.2
60°-70°	2385.4	24.9
70°-80°	1994.1	20.9
80°-90°	543.1	5.7
90°-100°	140.3	1.5
100°-110°	25.1	0.3
110°-120°	9.3	0.1
120°-130°	7.1	0.1
130°-140°	4.9	0.1
140°-150°	4.0	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9371.4	98.0
0°-180°	9564.1	100.0

**Coefficient of Utilization**



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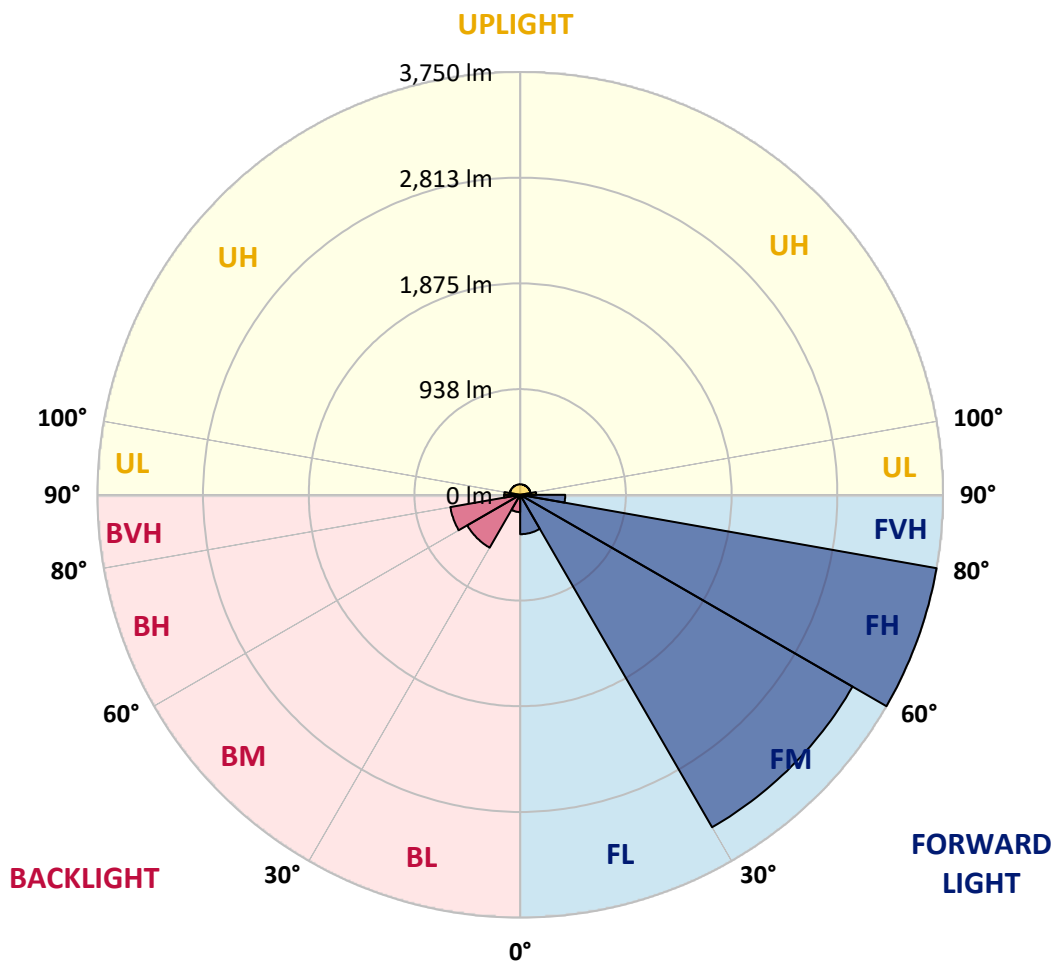
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	349.3	3.7			
FM	(30°-60°)	3404.7	35.6			
FH	(60°-80°)	3750.5	39.2			G2/5000
FVH	(80°-90°)	399.2	4.2			G3/500
BL	(0°-30°)	153.3	1.6	B1/500		
BM	(30°-60°)	541.5	5.7	B1/1000		
BH	(60°-80°)	629.1	6.6	B2/1000		G2/1000
BVH	(80°-90°)	143.9	1.5			G2/225
UL	(90°-100°)	140.3	1.5		U3/500	
UH	(100°-180°)	93.0	1.0		U3/500	

**BUG Rating: B2-U3-G3**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	12.0	10.9	9.8	10.9	12.0	10.9	8.7	7.6	6.6	6.6	6.6
5°	318.8	314.4	312.2	243.5	57.9	36.0	14.2	9.8	8.7	6.6	6.6
7.5°	323.2	318.8	319.9	318.8	313.3	313.3	101.5	37.1	20.7	7.6	7.6
10°	340.6	334.1	325.3	324.3	322.1	318.8	313.3	306.8	69.9	12.0	10.9
12.5°	628.9	625.6	621.2	479.3	347.2	323.2	319.9	312.2	240.2	45.9	211.8
15°	624.5	623.4	615.8	619.0	617.9	351.5	398.5	664.9	638.7	462.9	533.9
17.5°	655.1	651.8	628.9	614.7	615.8	702.0	651.8	656.2	658.3	585.2	572.1
20°	888.7	883.2	881.1	855.9	625.6	824.3	840.7	681.3	697.6	908.3	1015.3
22.5°	899.6	892.0	883.2	876.7	987.0	821.0	888.7	1085.2	1036.1	1202.0	1133.3
25°	1215.1	1194.4	1108.1	897.4	985.9	945.5	1149.6	1144.2	1083.0	1254.4	1211.9
27.5°	1315.6	1301.4	1238.1	1190.0	1005.5	1132.2	1143.1	1155.1	1362.5	1730.4	1612.5
30°	1762.1	1651.8	1366.9	1337.4	1199.9	1142.0	1306.8	1400.7	1532.8	1738.1	1705.3
32.5°	2017.6	1964.1	1826.5	1615.8	1405.1	1249.0	1417.1	1417.1	1540.5	2100.6	2156.2
35°	2431.4	2258.9	1990.3	1847.3	1602.7	1494.6	1460.8	1645.3	1821.1	2206.5	2203.2
37.5°	2580.9	2564.6	2464.1	2025.2	1884.4	1625.6	1703.2	1759.9	1908.4	2359.3	2352.8
40°	2662.8	2698.8	2706.5	2409.5	2092.9	1877.8	1850.5	1882.2	2025.2	2574.4	2491.4
42.5°	2940.1	2953.2	2993.6	2655.2	2405.2	2153.0	2076.5	2063.4	2162.8	2824.4	2674.8
45°	3387.7	3394.3	3364.8	2937.9	2659.5	2425.9	2340.7	2290.5	2377.9	3072.2	2907.4
47.5°	3900.9	3916.2	3774.2	3257.8	2891.0	2689.0	2643.2	2565.7	2621.3	3296.0	3196.7
50°	4309.2	4304.8	4051.5	3516.6	3124.6	2958.7	2944.5	2872.4	2879.0	3567.9	3508.9
52.5°	4415.1	4408.6	4192.4	3707.6	3337.5	3239.3	3303.7	3192.3	3134.5	3849.6	3833.2
55°	4255.7	4267.7	4166.2	3787.3	3472.9	3486.0	3653.0	3557.0	3478.4	4116.0	4142.2
57.5°	4025.3	4011.1	4026.4	3817.9	3578.8	3727.3	4069.0	3948.9	3873.6	4417.3	4446.8
60°	3598.5	3578.8	3776.4	3785.2	3677.1	4000.2	4511.2	4394.4	4288.5	4735.0	4703.3
62.5°	2948.9	2923.7	3280.8	3584.3	3789.5	4320.1	4947.9	4821.2	4718.6	5072.3	5012.3
65°	1963.0	2082.0	2500.1	3145.4	3748.0	4780.8	5525.4	5335.5	5148.8	5418.4	5407.5
67.5°	1138.7	1223.9	1530.7	2237.0	3406.3	5175.0	6441.4	6081.1	5759.1	5810.4	5785.3
70°	706.4	732.6	865.8	1290.5	2400.8	5045.1	7456.8	7224.2	6541.9	6247.1	5844.2
72.5°	548.1	565.5	642.0	842.8	1459.7	3902.0	7939.3	8265.8	7332.3	6361.7	5553.8
74°	448.7	459.6	539.3	754.4	1171.5	2975.1	7596.5	8379.3	7574.7	6306.0	5219.7
75°	354.8	365.7	455.3	723.8	1113.6	2373.5	7088.8	8168.6	7582.3	6219.8	4816.9
77.5°	217.3	224.9	245.6	500.0	1012.1	1356.0	5230.7	6724.2	6719.8	5165.1	3454.3
80°	172.5	174.7	183.4	263.1	824.3	1229.3	3312.4	4641.1	4607.3	3100.6	1769.8
82.5°	119.0	127.7	145.2	170.3	438.9	1204.2	2088.5	2883.4	2487.0	1180.2	740.2
85°	79.7	86.2	110.3	126.6	234.7	1281.7	1499.0	1622.4	1223.9	584.1	488.0
87.5°	32.8	33.8	50.2	61.1	95.0	614.7	1008.8	803.5	563.4	370.1	397.4
90°	17.5	17.5	13.1	14.2	34.9	132.1	329.7	319.9	265.3	304.6	373.4
92.5°	19.7	19.7	13.1	14.2	33.8	103.7	357.0	364.6	304.6	324.3	399.6
95°	21.8	21.8	13.1	13.1	32.8	71.0	342.8	385.4	313.3	340.6	402.9
97.5°	24.0	25.1	12.0	12.0	26.2	53.5	215.1	263.1	204.2	176.9	193.2
100°	25.1	25.1	10.9	10.9	17.5	38.2	99.4	126.6	98.3	45.9	31.7
102.5°	25.1	26.2	10.9	9.8	12.0	24.0	31.7	45.9	36.0	27.3	29.5
105°	24.0	26.2	10.9	9.8	9.8	13.1	16.4	18.6	19.7	19.7	30.6
107.5°	18.6	20.7	8.7	9.8	8.7	8.7	6.6	7.6	9.8	17.5	30.6



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.1	13.1	6.6	8.7	7.6	8.7	5.5	6.6	8.7	13.1	25.1
112.5°	6.6	5.5	4.4	6.6	6.6	7.6	5.5	5.5	7.6	10.9	17.5
115°	4.4	5.5	3.3	4.4	5.5	5.5	4.4	5.5	6.6	10.9	18.6
117.5°	4.4	4.4	3.3	4.4	5.5	4.4	4.4	5.5	6.6	10.9	18.6
120°	5.5	4.4	3.3	4.4	4.4	3.3	4.4	5.5	5.5	10.9	18.6
122.5°	5.5	5.5	4.4	4.4	4.4	3.3	4.4	4.4	5.5	10.9	17.5
125°	6.6	5.5	4.4	4.4	4.4	3.3	4.4	4.4	5.5	9.8	16.4
127.5°	6.6	6.6	4.4	4.4	5.5	3.3	4.4	4.4	5.5	8.7	15.3
130°	6.6	6.6	5.5	4.4	5.5	4.4	4.4	4.4	5.5	7.6	13.1
132.5°	6.6	6.6	5.5	5.5	5.5	4.4	4.4	4.4	4.4	6.6	10.9
135°	7.6	6.6	5.5	5.5	6.6	4.4	4.4	4.4	4.4	5.5	7.6
137.5°	7.6	7.6	6.6	6.6	7.6	5.5	4.4	5.5	5.5	5.5	6.6
140°	8.7	8.7	8.7	7.6	7.6	5.5	5.5	5.5	5.5	6.6	6.6
142.5°	10.9	9.8	9.8	8.7	7.6	5.5	5.5	5.5	6.6	6.6	6.6
145°	12.0	12.0	10.9	9.8	7.6	5.5	5.5	6.6	6.6	7.6	7.6
147.5°	12.0	12.0	10.9	8.7	6.6	4.4	5.5	6.6	6.6	7.6	8.7
150°	12.0	10.9	9.8	7.6	5.5	3.3	4.4	5.5	6.6	7.6	8.7
152.5°	8.7	8.7	7.6	5.5	4.4	2.2	3.3	4.4	5.5	6.6	7.6
155°	5.5	5.5	4.4	3.3	3.3	2.2	3.3	4.4	4.4	5.5	6.6
157.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	4.4	4.4
160°	1.1	1.1	2.2	1.1	2.2	2.2	2.2	3.3	3.3	3.3	3.3
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°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
2.5°	6.6	6.6	6.6	5.5	5.5	3.3	4.4	4.4	5.5	6.6	7.6
5°	6.6	7.6	6.6	5.5	5.5	4.4	5.5	5.5	5.5	7.6	7.6
7.5°	7.6	7.6	6.6	6.6	5.5	4.4	7.6	235.8	270.8	279.5	281.7
10°	9.8	9.8	8.7	7.6	6.6	254.4	280.6	280.6	278.4	280.6	280.6
12.5°	217.3	233.6	37.1	18.6	209.6	264.2	257.7	253.3	248.9	244.6	242.4
15°	528.4	512.0	469.5	352.6	325.3	242.4	222.7	309.0	329.7	335.2	334.1
17.5°	557.9	531.7	467.3	490.2	430.2	310.1	279.5	277.3	265.3	265.3	266.4
20°	1049.2	989.1	637.6	478.2	373.4	375.6	239.1	212.9	222.7	236.9	245.6
22.5°	1077.6	999.0	745.7	622.3	336.3	303.5	233.6	206.3	278.4	306.8	309.0
25°	1149.6	1024.1	755.5	524.0	379.9	248.9	232.5	215.1	255.5	281.7	279.5
27.5°	1556.9	1381.1	959.7	482.6	300.2	234.7	219.4	206.3	254.4	297.0	295.9
30°	1554.7	1361.4	886.5	444.3	247.8	218.4	199.8	224.9	236.9	253.3	254.4
32.5°	2018.7	1730.4	969.5	369.0	219.4	188.9	197.6	205.3	215.1	256.6	265.3
35°	2028.5	1692.2	841.8	338.4	202.0	180.1	185.6	203.1	223.8	250.0	252.2
37.5°	2067.8	1672.6	698.7	279.5	207.4	182.3	193.2	212.9	207.4	243.5	247.8
40°	2139.9	1678.0	587.4	250.0	204.2	182.3	202.0	205.3	206.3	224.9	227.1
42.5°	2251.2	1707.5	493.5	236.9	200.9	197.6	195.4	196.5	188.9	226.0	230.4
45°	2409.5	1768.7	421.4	232.5	200.9	230.4	204.2	196.5	180.1	259.8	278.4
47.5°	2643.2	1888.8	378.8	233.6	202.0	220.5	202.0	191.1	187.8	303.5	316.6
50°	2907.4	2026.3	350.5	238.0	202.0	217.3	198.7	196.5	208.5	307.9	311.2
52.5°	3191.2	2209.7	340.6	242.4	217.3	220.5	226.0	224.9	200.9	246.7	246.7
55°	3479.5	2399.7	343.9	247.8	229.3	226.0	241.3	212.9	172.5	183.4	181.2
57.5°	3751.3	2621.3	366.8	244.6	221.6	223.8	243.5	199.8	172.5	183.4	187.8
60°	4046.1	2861.5	430.2	235.8	218.4	217.3	240.2	210.7	172.5	210.7	211.8
62.5°	4405.3	3192.3	567.7	244.6	235.8	223.8	241.3	232.5	197.6	202.0	206.3
65°	4830.0	3534.0	698.7	278.4	248.9	224.9	238.0	244.6	223.8	216.2	215.1
67.5°	5141.1	3618.1	704.2	323.2	266.4	236.9	240.2	266.4	244.6	248.9	246.7
70°	5062.5	3388.8	610.3	341.7	277.3	246.7	246.7	276.2	257.7	295.9	297.0
72.5°	4678.2	2942.3	515.3	316.6	263.1	250.0	274.0	286.0	274.0	355.9	351.5
74°	4237.1	2606.0	473.8	288.2	257.7	248.9	281.7	286.0	282.8	379.9	376.7
75°	3898.7	2341.8	450.9	271.8	254.4	245.6	283.9	287.1	286.0	383.2	382.1
77.5°	2694.5	1582.0	394.1	242.4	248.9	245.6	282.8	293.7	301.3	381.0	377.8
80°	1382.2	865.8	328.6	229.3	246.7	252.2	279.5	283.9	295.9	360.3	357.0
82.5°	693.3	498.9	241.3	210.7	250.0	274.0	280.6	275.1	278.4	331.9	326.4
85°	446.5	345.0	160.5	176.9	254.4	297.0	279.5	256.6	260.9	289.3	287.1
87.5°	359.2	255.5	98.3	137.6	270.8	271.8	255.5	227.1	221.6	227.1	223.8
90°	331.9	236.9	83.0	129.9	262.0	227.1	208.5	185.6	165.9	167.0	160.5
92.5°	357.0	247.8	88.4	128.8	208.5	159.4	152.8	140.8	116.8	103.7	97.2
95°	351.5	238.0	89.5	109.2	152.8	90.6	108.1	99.4	72.1	54.6	51.3
97.5°	169.2	120.1	79.7	85.2	89.5	68.8	91.7	84.1	52.4	33.8	31.7
100°	31.7	44.8	71.0	80.8	71.0	53.5	72.1	64.4	28.4	17.5	16.4
102.5°	30.6	25.1	53.5	73.1	44.8	30.6	39.3	36.0	18.6	13.1	13.1
105°	31.7	25.1	25.1	50.2	27.3	14.2	12.0	17.5	13.1	13.1	14.2
107.5°	32.8	25.1	15.3	16.4	13.1	10.9	8.7	8.7	9.8	14.2	15.3



REPORT NUMBER: P413884

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

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.2	21.8	14.2	13.1	12.0	10.9	8.7	7.6	9.8	15.3	16.4
112.5°	18.6	17.5	13.1	10.9	9.8	9.8	7.6	6.6	9.8	16.4	17.5
115°	18.6	17.5	10.9	9.8	7.6	8.7	7.6	6.6	9.8	18.6	19.7
117.5°	19.7	16.4	10.9	8.7	6.6	6.6	6.6	6.6	10.9	18.6	19.7
120°	19.7	16.4	10.9	7.6	6.6	5.5	6.6	6.6	10.9	18.6	20.7
122.5°	18.6	16.4	9.8	7.6	6.6	5.5	5.5	5.5	9.8	18.6	19.7
125°	17.5	15.3	9.8	7.6	6.6	4.4	5.5	5.5	9.8	17.5	19.7
127.5°	16.4	14.2	9.8	7.6	5.5	4.4	5.5	5.5	9.8	16.4	18.6
130°	14.2	13.1	8.7	6.6	5.5	4.4	5.5	5.5	9.8	15.3	17.5
132.5°	12.0	10.9	7.6	6.6	5.5	4.4	5.5	4.4	7.6	14.2	15.3
135°	8.7	8.7	7.6	5.5	5.5	3.3	4.4	4.4	6.6	10.9	12.0
137.5°	7.6	7.6	6.6	5.5	5.5	3.3	4.4	3.3	5.5	8.7	9.8
140°	7.6	7.6	6.6	5.5	4.4	3.3	3.3	3.3	4.4	7.6	7.6
142.5°	7.6	7.6	6.6	5.5	4.4	3.3	3.3	3.3	4.4	6.6	7.6
145°	7.6	7.6	7.6	6.6	4.4	3.3	3.3	3.3	4.4	6.6	6.6
147.5°	8.7	8.7	7.6	5.5	4.4	2.2	2.2	3.3	4.4	6.6	6.6
150°	8.7	8.7	7.6	5.5	4.4	2.2	1.1	2.2	3.3	5.5	6.6
152.5°	7.6	7.6	6.6	5.5	3.3	2.2	1.1	2.2	3.3	5.5	5.5
155°	6.6	6.6	5.5	4.4	3.3	1.1	0.0	1.1	2.2	4.4	4.4
157.5°	4.4	5.5	4.4	3.3	2.2	1.1	0.0	1.1	1.1	3.3	3.3
160°	4.4	4.4	4.4	3.3	2.2	1.1	0.0	0.0	1.1	2.2	2.2
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)