

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: P413902

Luminaire Tested: **LXF.LXT-PA1-100-750-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9858.1 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

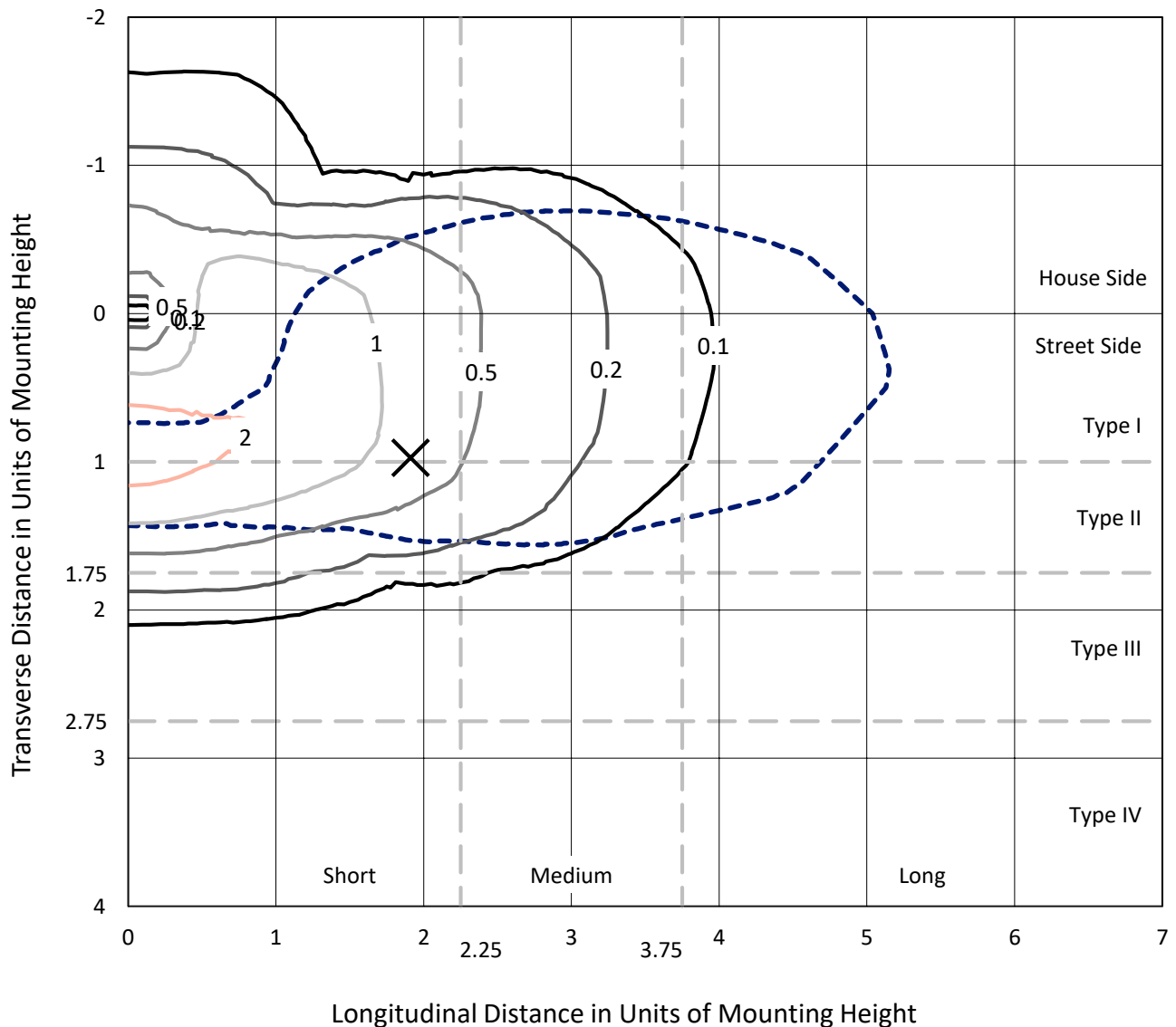
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

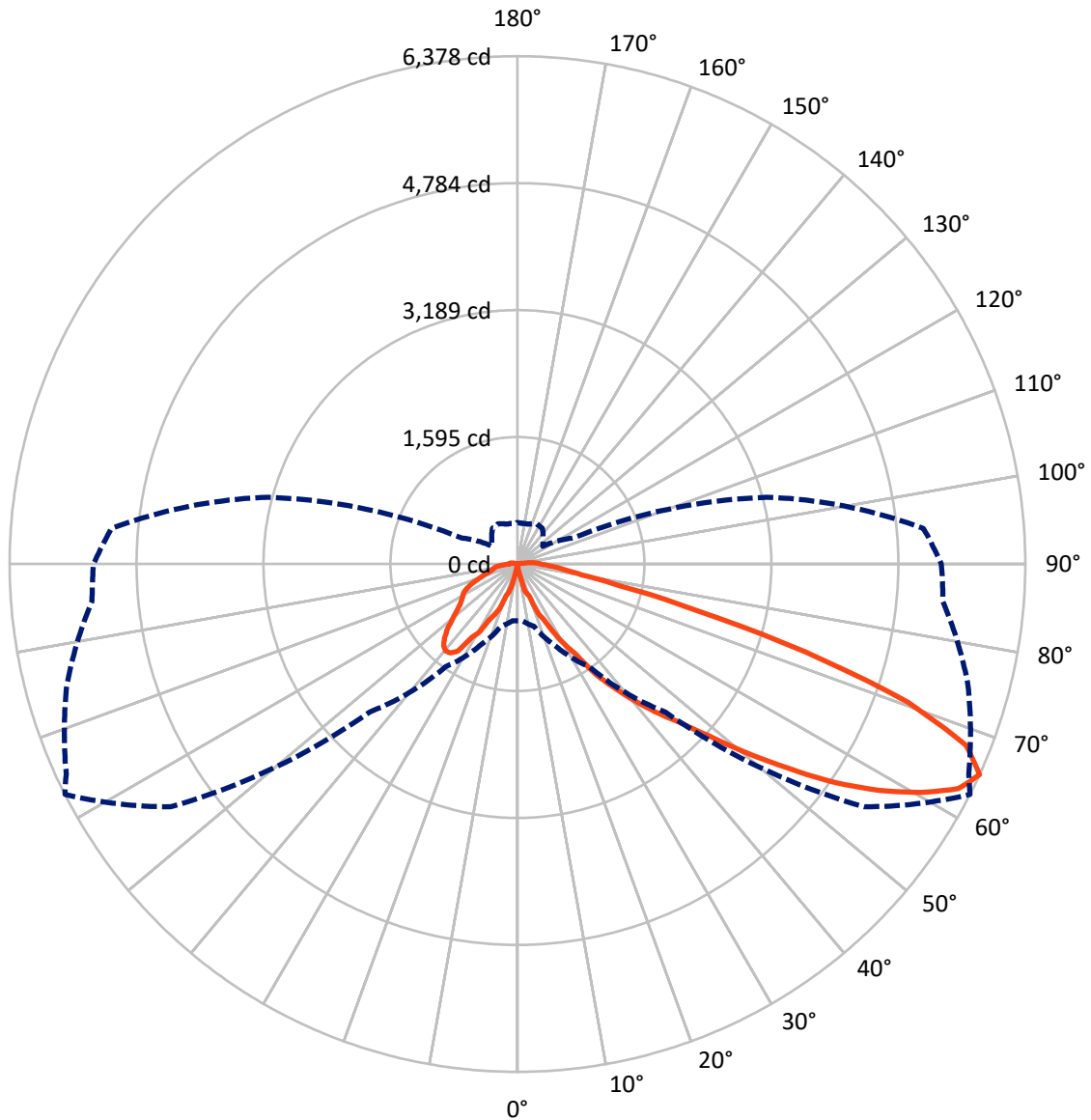
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2805.5	81.5	2886.9
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	6895.3	75.9	6971.1
	% Fixture	69.9	0.8	70.7
Total	Lumens	9700.7	157.3	9858.1
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	88.6	0.9
20°-30°	362.2	3.7
30°-40°	941.0	9.5
40°-50°	1789.4	18.2
50°-60°	2408.8	24.4
60°-70°	2281.9	23.1
70°-80°	1430.0	14.5
80°-90°	392.6	4.0
90°-100°	109.9	1.1
100°-110°	20.4	0.2
110°-120°	9.9	0.1
120°-130°	7.2	0.1
130°-140°	4.7	0.0
140°-150°	3.8	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	9700.7	98.4
0°-180°	9858.1	100.0



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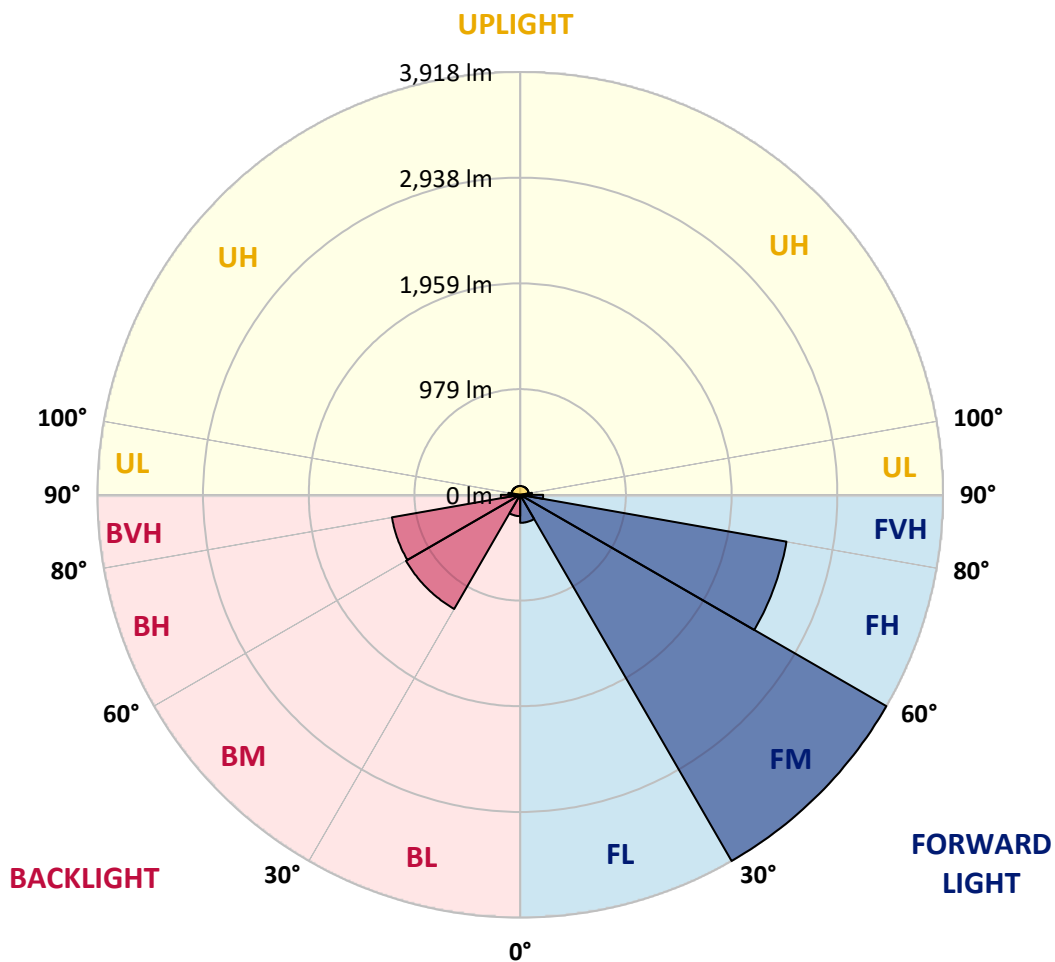
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	259.4	2.6			
FM (30°-60°)	3917.7	39.7			
FH (60°-80°)	2505.1	25.4			G2/5000
FVH (80°-90°)	213.0	2.2			G2/225
BL (0°-30°)	197.6	2.0	B1/500		
BM (30°-60°)	1221.5	12.4	B2/2500		
BH (60°-80°)	1206.8	12.2	B3/2500		G3/2500
BVH (80°-90°)	179.7	1.8			G2/225
UL (90°-100°)	109.9	1.1		U3/500	
UH (100°-180°)	81.5	0.8		U3/500	

BUG Rating: B3-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	13.1	12.0	13.1	13.1	12.0	10.9	9.8	8.7	7.6	5.5	4.4
5°	153.9	155.0	152.9	149.6	53.5	24.0	14.2	10.9	9.8	6.6	5.5
7.5°	176.9	175.8	174.7	172.5	164.9	155.0	84.1	19.7	15.3	8.7	5.5
10°	194.3	192.2	186.7	185.6	178.0	172.5	159.4	102.6	86.3	15.3	10.9
12.5°	353.7	346.1	339.6	280.6	196.5	185.6	178.0	155.0	151.8	97.2	145.2
15°	370.1	371.2	366.8	360.3	345.0	231.5	288.2	349.4	348.3	301.3	297.0
17.5°	420.3	417.1	400.7	384.3	378.9	411.6	408.3	389.8	389.8	345.0	326.5
20°	649.6	644.2	634.3	528.4	470.6	531.7	499.0	434.5	436.7	532.8	578.7
22.5°	752.3	750.1	730.4	683.5	666.0	586.3	657.3	680.2	667.1	674.7	646.4
25°	1029.6	1018.7	932.4	849.4	859.3	791.6	790.5	776.3	768.6	734.8	786.1
27.5°	1310.2	1301.4	1281.8	1165.0	992.5	954.2	893.1	975.0	953.1	1031.8	1049.2
30°	1736.0	1656.3	1490.3	1411.7	1354.9	1172.6	1155.1	1180.2	1173.7	1151.9	1132.2
32.5°	2179.3	2146.5	2049.3	1762.2	1582.0	1477.2	1425.9	1348.4	1312.4	1547.1	1563.5
35°	2642.2	2611.6	2373.6	2206.5	1897.6	1727.2	1698.9	1709.8	1661.7	1776.4	1749.1
37.5°	3456.7	3441.4	3202.3	2683.7	2360.5	2027.5	1988.2	1975.1	1899.7	1982.7	1983.8
40°	3979.6	3954.5	3690.3	3308.2	2787.4	2510.1	2319.0	2243.7	2224.0	2228.4	2229.5
42.5°	4368.3	4327.9	4174.0	3822.4	3278.7	2953.3	2683.7	2538.5	2577.8	2501.3	2497.0
45°	4620.5	4598.7	4459.0	4165.3	3788.6	3627.0	3149.9	2822.3	2954.4	2818.0	2811.4
47.5°	4677.3	4667.5	4570.3	4422.9	4265.7	4198.0	3712.2	3211.0	3332.2	3272.2	3149.9
50°	4430.6	4439.3	4403.3	4456.8	4628.2	4705.7	4305.0	3726.3	3792.9	3649.9	3493.8
52.5°	3891.2	3890.1	4021.1	4258.1	4761.4	5071.5	4854.2	4262.4	4259.1	4000.4	3823.5
55°	3123.7	3182.6	3404.3	3772.2	4579.0	5239.6	5375.0	4852.0	4760.3	4409.8	4117.2
57.5°	2380.1	2456.6	2728.4	3062.5	4060.4	5120.6	5753.8	5364.1	5269.1	4778.9	4428.4
60°	1610.4	1639.9	1982.7	2369.2	3229.6	4663.1	5931.8	5825.9	5721.1	5155.5	4742.8
62.5°	1073.2	1099.5	1296.0	1766.5	2315.7	3789.7	5817.2	6215.7	6077.0	5601.0	5071.5
65°	714.0	714.0	811.2	1136.6	1575.5	2631.3	5314.9	6378.4	6252.8	5858.6	5363.0
67.5°	526.3	535.0	566.6	732.6	1073.2	1574.4	4227.5	6078.1	6091.2	5888.1	5455.8
70°	477.1	482.6	509.9	552.5	766.5	936.8	2793.9	5206.8	5432.8	5665.4	5336.8
72.5°	417.1	419.3	462.9	508.8	603.8	718.4	1624.6	3784.2	4259.1	5180.6	5009.2
75°	349.4	352.7	387.6	456.4	521.9	602.7	864.7	2303.7	2776.5	4448.0	4575.8
77.5°	283.9	291.5	319.9	373.4	479.3	505.5	663.8	1316.7	1608.2	3312.6	3868.3
80°	218.4	226.0	251.1	293.7	392.0	446.6	551.4	810.1	975.0	2059.2	2703.3
82.5°	149.6	155.0	180.1	211.8	280.6	372.3	456.4	597.2	645.3	1126.7	1491.4
85°	105.9	109.2	125.6	139.8	174.7	244.6	381.0	473.8	486.9	597.2	607.0
87.5°	60.0	59.0	61.1	71.0	79.7	95.0	224.9	347.2	363.6	416.0	386.5
90°	41.5	40.4	33.8	32.8	37.1	40.4	127.7	276.2	290.4	335.2	343.9
92.5°	43.7	41.5	32.8	30.6	34.9	37.1	85.2	241.3	271.9	335.2	353.7
95°	41.5	39.3	29.5	26.2	31.7	32.8	52.4	166.0	214.0	313.3	346.1
97.5°	36.0	33.8	24.0	21.8	26.2	26.2	29.5	76.4	104.8	146.3	164.9
100°	29.5	27.3	19.7	17.5	18.6	19.7	18.6	38.2	38.2	40.4	31.7
102.5°	26.2	25.1	16.4	14.2	13.1	13.1	12.0	18.6	19.7	21.8	27.3
105°	22.9	21.8	14.2	12.0	9.8	9.8	8.7	12.0	13.1	18.6	26.2
107.5°	16.4	16.4	12.0	9.8	8.7	8.7	6.6	9.8	10.9	16.4	27.3
110°	10.9	10.9	8.7	8.7	7.6	8.7	6.6	9.8	9.8	13.1	20.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	8.7	8.7	7.6	6.6	5.5	6.6	7.6	8.7	8.7	9.8	13.1
115°	8.7	7.6	6.6	5.5	4.4	5.5	5.5	7.6	7.6	9.8	13.1
117.5°	8.7	8.7	6.6	5.5	4.4	4.4	5.5	6.6	6.6	9.8	14.2
120°	8.7	8.7	6.6	5.5	4.4	3.3	4.4	6.6	6.6	8.7	13.1
122.5°	8.7	8.7	6.6	5.5	4.4	3.3	4.4	5.5	5.5	7.6	13.1
125°	9.8	9.8	7.6	5.5	4.4	3.3	4.4	4.4	4.4	7.6	12.0
127.5°	9.8	9.8	7.6	5.5	4.4	3.3	4.4	4.4	4.4	6.6	9.8
130°	9.8	9.8	7.6	5.5	4.4	3.3	4.4	3.3	3.3	5.5	8.7
132.5°	9.8	8.7	7.6	6.6	5.5	4.4	4.4	3.3	3.3	3.3	6.6
135°	8.7	8.7	7.6	6.6	5.5	4.4	4.4	3.3	3.3	3.3	4.4
137.5°	8.7	8.7	8.7	7.6	6.6	5.5	4.4	3.3	3.3	3.3	3.3
140°	9.8	9.8	9.8	8.7	6.6	5.5	4.4	3.3	3.3	3.3	3.3
142.5°	10.9	10.9	10.9	9.8	6.6	5.5	5.5	3.3	3.3	3.3	3.3
145°	12.0	12.0	12.0	9.8	6.6	5.5	5.5	4.4	4.4	3.3	4.4
147.5°	13.1	13.1	12.0	9.8	5.5	4.4	4.4	4.4	4.4	4.4	4.4
150°	12.0	10.9	10.9	7.6	4.4	2.2	3.3	3.3	3.3	4.4	4.4
152.5°	8.7	8.7	7.6	5.5	3.3	1.1	2.2	2.2	3.3	3.3	3.3
155°	5.5	5.5	4.4	3.3	2.2	1.1	1.1	2.2	2.2	2.2	2.2
157.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
2.5°	4.4	4.4	5.5	6.6	6.6	7.6	7.6	7.6	7.6	7.6	7.6
5°	4.4	4.4	5.5	6.6	7.6	8.7	9.8	9.8	9.8	10.9	10.9
7.5°	5.5	5.5	5.5	7.6	8.7	12.0	32.8	98.3	151.8	156.1	158.3
10°	10.9	10.9	10.9	10.9	24.0	139.8	173.6	181.2	185.6	188.9	188.9
12.5°	146.3	145.2	52.4	26.2	120.1	181.2	192.2	197.6	202.0	205.3	206.4
15°	297.0	298.1	298.1	301.3	218.4	197.6	208.5	307.9	364.7	375.6	379.9
17.5°	325.4	325.4	324.3	361.4	406.2	321.0	358.1	390.9	401.8	407.2	409.4
20°	593.9	592.9	478.2	414.9	429.1	532.8	400.7	416.0	424.7	506.6	508.8
22.5°	655.1	651.8	637.6	640.9	505.5	576.5	549.2	532.8	584.1	581.9	584.1
25°	804.7	726.1	695.5	688.9	732.6	599.4	636.5	551.4	564.5	562.3	564.5
27.5°	1053.6	1025.2	954.2	806.8	780.6	740.2	637.6	578.7	650.7	667.1	669.3
30°	1130.0	1094.0	1018.7	1025.2	870.2	753.3	621.2	640.9	615.8	613.6	609.2
32.5°	1549.3	1502.3	1388.8	1118.0	969.5	707.5	624.5	583.0	596.1	639.8	642.0
35°	1726.2	1672.7	1593.0	1427.0	940.0	694.4	571.0	568.8	577.6	578.7	576.5
37.5°	1927.0	1857.2	1781.8	1503.4	981.5	628.9	532.8	533.9	553.5	591.8	587.4
40°	2160.7	2083.2	1960.9	1548.2	881.1	589.6	507.7	524.1	544.8	536.1	528.4
42.5°	2423.8	2297.2	2105.0	1539.5	766.5	543.7	501.1	512.1	508.8	492.4	488.0
45°	2695.7	2561.4	2245.9	1466.3	662.7	514.2	489.1	492.4	479.3	458.6	454.2
47.5°	3009.0	2832.2	2325.6	1359.3	579.8	512.1	485.9	474.9	449.8	431.3	430.2
50°	3324.6	3131.3	2450.0	1216.3	517.5	503.3	493.5	470.6	440.0	421.4	419.3
52.5°	3633.5	3464.3	2584.3	1096.2	470.6	493.5	496.8	472.8	440.0	412.7	411.6
55°	3943.6	3795.1	2729.5	1001.2	438.9	492.4	508.8	479.3	446.6	406.2	405.1
57.5°	4254.8	4110.7	2869.3	937.9	424.7	478.2	516.4	500.0	464.0	430.2	432.4
60°	4623.8	4453.5	3034.1	893.1	419.3	470.6	523.0	524.1	474.9	436.7	442.2
62.5°	4986.3	4813.8	3173.9	851.6	405.1	462.9	526.3	542.6	499.0	466.2	471.7
65°	5323.7	5118.4	3238.3	771.9	387.6	454.2	545.9	559.0	517.5	514.2	520.8
67.5°	5452.5	5261.4	3175.0	672.6	376.7	454.2	566.6	581.9	537.2	554.6	572.1
70°	5328.0	5168.6	3015.6	548.1	379.9	457.5	569.9	592.9	565.6	579.8	595.0
72.5°	4941.5	4738.5	2628.0	441.1	379.9	453.1	555.7	575.4	554.6	601.6	616.9
75°	4453.5	4099.7	2091.9	363.6	369.0	450.9	523.0	545.9	525.2	574.3	590.7
77.5°	3678.3	3225.2	1446.6	321.0	353.7	431.3	489.1	493.5	472.8	502.2	509.9
80°	2594.1	2173.8	916.0	290.4	338.5	389.8	433.4	425.8	405.1	410.5	417.1
82.5°	1446.6	1149.7	533.9	267.5	317.7	324.3	354.8	357.0	329.7	330.8	331.9
85°	574.3	531.7	361.4	224.9	256.6	233.6	265.3	276.2	250.0	219.5	212.9
87.5°	381.0	361.4	252.2	153.9	157.2	132.1	172.5	179.1	147.4	127.7	126.6
90°	362.5	351.6	217.3	103.7	87.3	72.1	96.1	92.8	71.0	62.2	63.3
92.5°	373.4	366.8	220.5	99.4	85.2	68.8	85.2	73.2	53.5	46.9	48.0
95°	367.9	364.7	215.1	97.2	80.8	63.3	72.1	59.0	41.5	37.1	37.1
97.5°	174.7	184.5	133.2	87.3	72.1	53.5	55.7	44.8	29.5	27.3	26.2
100°	26.2	41.5	72.1	80.8	53.5	37.1	36.0	29.5	18.6	17.5	17.5
102.5°	27.3	29.5	44.8	55.7	29.5	19.7	19.7	17.5	14.2	16.4	16.4
105°	29.5	27.3	26.2	30.6	17.5	12.0	10.9	10.9	12.0	17.5	18.6
107.5°	31.7	29.5	20.7	16.4	13.1	10.9	8.7	7.6	10.9	18.6	19.7
110°	24.0	22.9	17.5	13.1	13.1	12.0	7.6	7.6	12.0	19.7	21.8



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CATALOG NUMBER: LXF.LXT-PA1-100-750-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.2	16.4	15.3	12.0	10.9	10.9	7.6	7.6	12.0	20.7	22.9
115°	15.3	15.3	13.1	9.8	8.7	8.7	7.6	6.6	12.0	21.8	22.9
117.5°	15.3	15.3	13.1	9.8	7.6	6.6	6.6	6.6	12.0	21.8	22.9
120°	15.3	15.3	13.1	8.7	7.6	6.6	6.6	6.6	12.0	20.7	22.9
122.5°	14.2	14.2	12.0	8.7	6.6	6.6	6.6	6.6	12.0	19.7	20.7
125°	13.1	13.1	10.9	7.6	6.6	5.5	6.6	6.6	10.9	17.5	18.6
127.5°	10.9	12.0	9.8	7.6	6.6	5.5	6.6	6.6	9.8	15.3	16.4
130°	9.8	9.8	8.7	6.6	5.5	5.5	6.6	6.6	9.8	14.2	15.3
132.5°	7.6	7.6	6.6	6.6	5.5	5.5	5.5	5.5	7.6	12.0	12.0
135°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.6	8.7	9.8
137.5°	4.4	4.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	7.6	7.6
140°	3.3	4.4	4.4	5.5	5.5	5.5	5.5	5.5	5.5	6.6	6.6
142.5°	3.3	4.4	4.4	5.5	5.5	5.5	5.5	5.5	6.6	7.6	7.6
145°	4.4	4.4	5.5	5.5	5.5	4.4	5.5	5.5	6.6	7.6	7.6
147.5°	4.4	4.4	5.5	5.5	5.5	4.4	4.4	5.5	6.6	7.6	7.6
150°	4.4	4.4	5.5	5.5	4.4	3.3	4.4	4.4	5.5	7.6	7.6
152.5°	4.4	4.4	4.4	4.4	3.3	2.2	3.3	3.3	4.4	5.5	5.5
155°	3.3	3.3	3.3	3.3	3.3	2.2	2.2	2.2	3.3	3.3	4.4
157.5°	2.2	2.2	2.2	3.3	2.2	2.2	1.1	1.1	1.1	2.2	2.2
160°	1.1	1.1	2.2	2.2	2.2	2.2	1.1	1.1	1.1	1.1	1.1
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)