

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: P414336

Luminaire Tested: **LXF.LXT-PA1-20-750-U-T4W-CL**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414336  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-750-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2712 lumens  
Efficiency: N/A  
Efficacy: 129.1 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 - U2 - G2

Input Watts (W): 21  
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

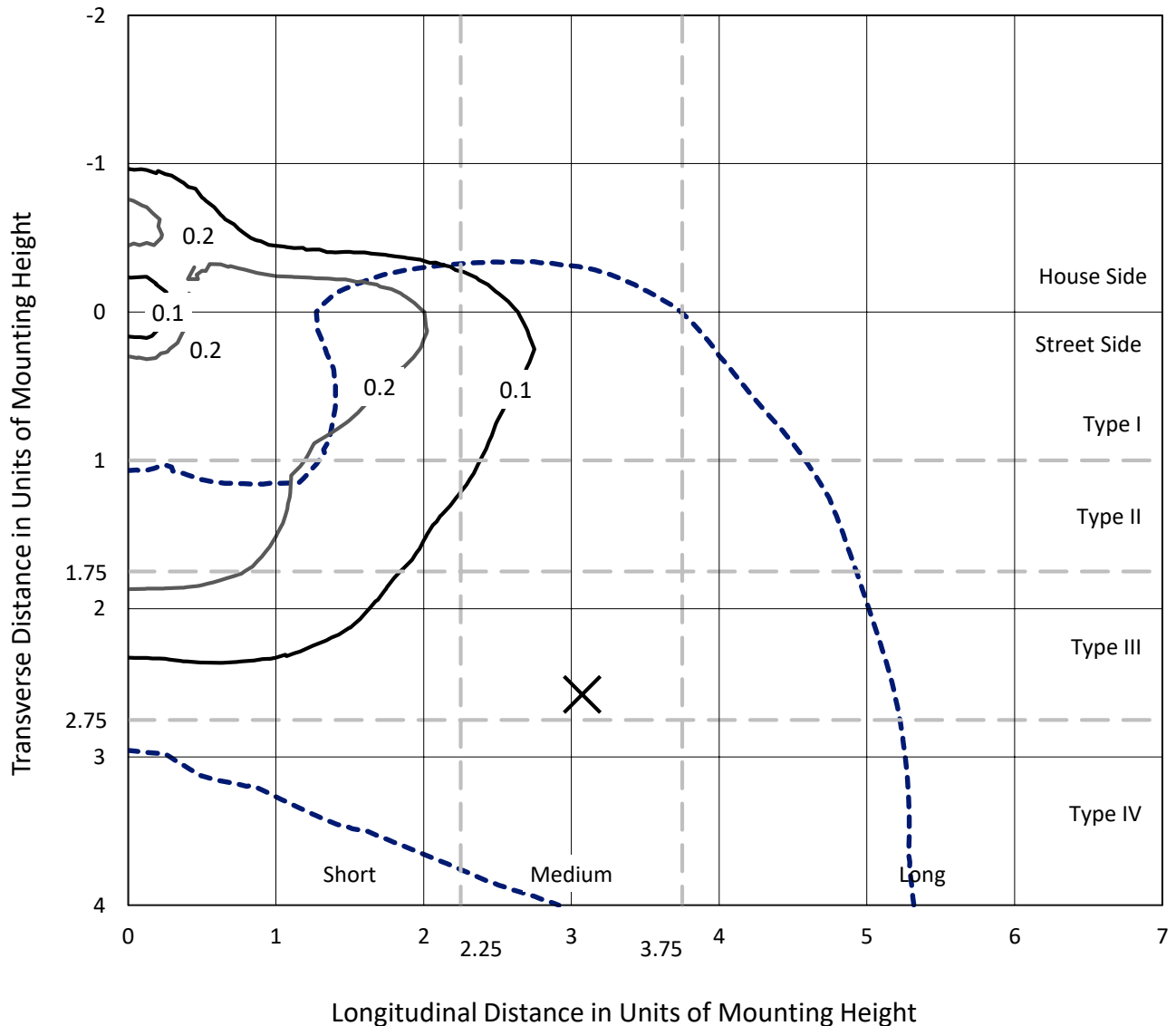


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

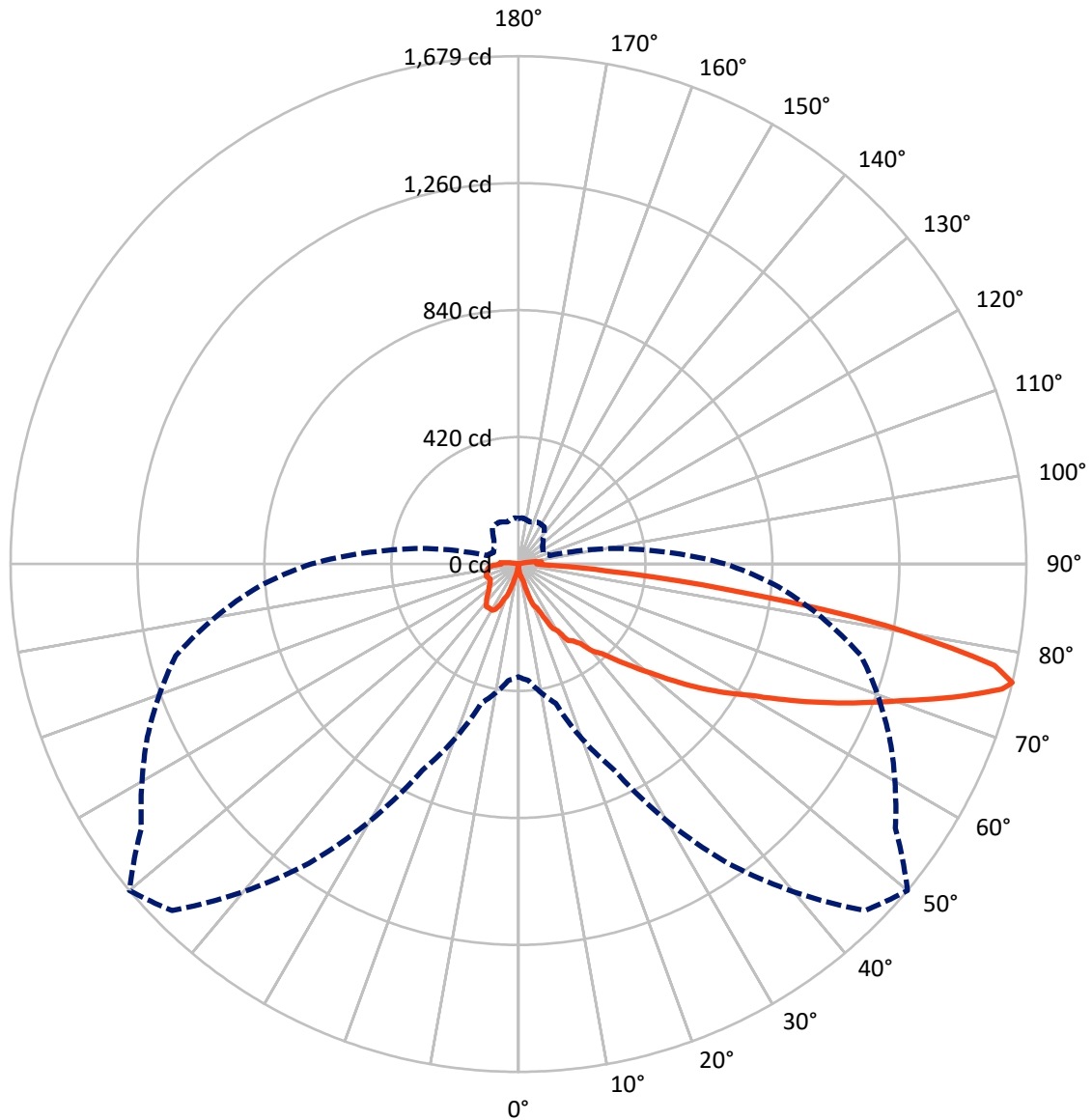


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral      - - - Horizontal Cone Through 76-Deg Vertical



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	591.9	33.3	625.2
	% Fixture	21.8	1.2	23.1
<b>Street Side</b>	Lumens	2060.0	26.7	2086.7
	% Fixture	76.0	1.0	76.9
<b>Total</b>	Lumens	2651.9	60.1	2712.0
	% Fixture	97.8	2.2	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.1
10°-20°	22.6	0.8
20°-30°	88.5	3.3
30°-40°	190.4	7.0
40°-50°	310.2	11.4
50°-60°	499.5	18.4
60°-70°	727.5	26.8
70°-80°	649.0	23.9
80°-90°	162.6	6.0
90°-100°	47.6	1.8
100°-110°	7.0	0.3
110°-120°	2.0	0.1
120°-130°	1.4	0.1
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2651.9	97.8
0°-180°	2712.0	100.0



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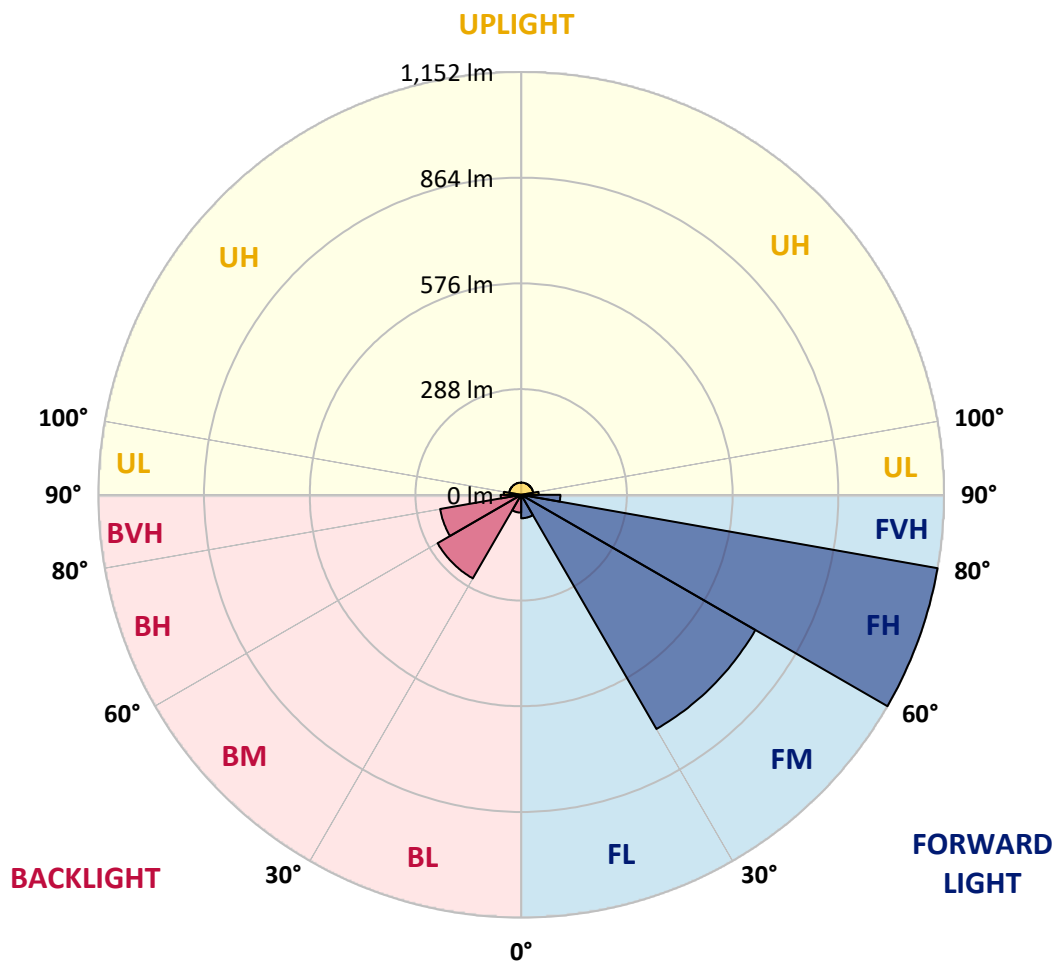
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.9	2.4			
FM	(30°-60°)	737.0	27.2			
FH	(60°-80°)	1152.3	42.5			G1/1800
FVH	(80°-90°)	106.7	3.9			G2/225
BL	(0°-30°)	48.7	1.8	B0/110		
BM	(30°-60°)	263.2	9.7	B1/1000		
BH	(60°-80°)	224.2	8.3	B1/500		G1/500
BVH	(80°-90°)	55.8	2.1			G1/100
UL	(90°-100°)	47.6	1.8		U2/50	
UH	(100°-180°)	33.3	1.2		U2/50	

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.9	3.0	2.7	2.4	2.4	2.1	2.1	1.8	1.8	1.8	1.8
5°	38.0	36.8	34.1	31.6	10.9	9.0	7.5	5.7	2.1	2.1	1.8
7.5°	45.5	44.6	42.8	41.6	39.8	37.1	34.1	16.0	6.3	2.4	2.1
10°	59.7	55.2	51.5	48.5	46.4	41.9	40.7	38.3	10.5	4.5	3.3
12.5°	106.7	104.3	100.7	68.4	56.4	48.2	46.4	44.3	34.4	16.3	29.2
15°	117.5	115.1	111.5	107.0	100.4	59.4	55.8	69.3	88.6	66.6	69.6
17.5°	138.0	136.8	127.2	116.3	109.7	116.6	116.9	106.1	100.7	88.0	80.2
20°	191.4	190.2	184.8	157.0	124.2	147.4	146.8	141.4	113.0	129.9	139.8
22.5°	199.2	197.7	192.9	185.4	196.5	161.6	157.6	157.6	166.7	176.6	164.6
25°	262.2	260.7	223.9	195.0	210.7	192.3	192.9	213.4	184.5	193.8	185.1
27.5°	274.0	271.9	268.8	249.6	221.8	243.5	240.2	229.1	239.9	267.6	258.3
30°	319.8	296.6	286.6	275.5	261.9	258.0	256.5	276.7	284.5	282.7	285.4
32.5°	371.0	370.1	360.5	293.9	296.3	277.3	301.7	310.7	298.7	343.3	371.9
35°	445.8	415.0	396.3	352.0	308.3	320.7	312.3	321.6	362.9	367.1	394.5
37.5°	560.3	558.5	515.7	388.5	355.7	328.2	334.3	360.2	387.3	393.3	430.4
40°	654.9	646.2	619.1	484.4	386.7	355.0	379.2	373.4	402.1	423.2	458.7
42.5°	725.2	733.3	717.9	560.6	449.1	397.5	404.8	397.2	423.8	463.3	499.4
45°	792.4	789.1	799.6	638.1	509.1	452.1	451.5	433.1	463.6	507.9	555.5
47.5°	847.2	842.4	853.3	722.2	578.1	501.5	505.7	481.9	511.2	563.6	638.7
50°	908.4	899.1	906.3	792.7	668.2	573.0	567.2	548.9	565.4	636.9	740.2
52.5°	982.0	975.3	962.4	862.9	761.0	646.5	639.3	621.5	639.6	727.9	852.7
55°	1048.0	1040.4	1029.9	959.7	838.2	721.3	721.6	703.8	739.0	827.3	983.2
57.5°	1116.7	1113.1	1118.5	1067.9	948.5	799.3	801.1	790.3	853.6	929.5	1121.5
60°	1173.7	1168.2	1198.4	1178.5	1046.5	888.5	881.3	893.0	970.5	1036.2	1261.7
62.5°	1195.4	1199.0	1255.9	1280.3	1141.4	984.7	987.4	1003.4	1078.7	1164.0	1396.7
65°	1093.5	1106.1	1265.3	1298.1	1247.2	1091.4	1104.3	1101.6	1189.6	1258.0	1510.6
67.5°	982.9	997.3	1170.3	1302.7	1329.2	1216.8	1223.4	1196.6	1285.2	1316.8	1595.6
70°	904.5	915.7	1057.9	1277.0	1379.5	1347.6	1350.6	1300.8	1354.5	1385.8	1592.6
72.5°	768.9	780.6	912.0	1180.3	1410.9	1506.1	1506.1	1396.4	1410.6	1384.3	1406.3
75°	519.6	524.1	631.7	916.3	1329.8	1635.4	1651.1	1500.7	1391.3	1257.4	1048.9
76°	373.1	387.0	477.1	752.3	1207.7	1620.6	1679.4	1521.8	1353.6	1173.4	863.2
77.5°	197.7	210.4	281.5	481.6	979.6	1507.0	1608.6	1457.0	1234.2	1007.3	638.4
80°	77.5	76.6	96.7	171.5	496.1	1146.2	1230.9	1073.9	834.9	583.5	303.2
82.5°	42.5	46.7	61.5	90.7	215.2	632.3	695.3	566.6	426.2	269.2	177.2
85°	27.1	27.7	36.2	56.1	132.9	266.4	292.7	242.6	199.5	165.2	126.0
87.5°	16.3	16.9	19.0	25.9	65.7	78.4	85.6	100.7	114.5	113.6	108.8
90°	11.2	11.2	9.3	10.2	30.7	62.7	60.3	64.2	58.5	74.1	104.9
92.5°	10.9	10.9	9.0	9.3	26.2	69.6	69.9	69.6	61.8	75.7	110.3
95°	9.6	9.9	7.8	8.1	19.3	65.1	76.6	74.1	62.4	76.3	110.0
97.5°	8.1	8.4	6.0	6.9	13.0	44.0	57.0	58.2	38.9	38.6	49.7
100°	6.0	6.3	4.2	5.4	7.8	20.2	30.4	28.6	19.3	10.5	6.9
102.5°	5.7	6.0	3.6	4.2	4.8	6.9	11.2	8.4	7.2	6.0	6.0
105°	6.3	6.3	3.3	3.0	3.0	3.3	2.7	3.9	4.2	4.5	6.3
107.5°	5.4	5.7	2.4	2.4	2.1	2.1	1.8	1.8	2.4	3.9	6.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	4.2	4.2	2.1	2.1	1.5	1.8	1.8	1.5	2.1	3.0	5.4
112.5°	2.4	2.7	1.2	1.8	1.2	1.5	1.5	1.2	1.8	2.1	3.0
115°	2.4	2.4	1.2	0.9	0.9	0.9	1.2	1.2	1.5	2.1	3.3
117.5°	2.4	2.4	1.2	0.9	0.6	0.9	0.9	0.9	1.5	2.1	3.3
120°	2.4	2.4	1.2	0.6	0.6	0.6	0.6	0.9	1.5	2.1	3.3
122.5°	2.7	2.4	1.2	0.6	0.6	0.6	0.6	0.9	1.5	2.1	3.0
125°	2.7	2.4	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.8	2.7
127.5°	2.7	2.4	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.8	2.4
130°	2.4	2.4	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.8	2.4
132.5°	2.4	2.1	1.2	0.6	0.6	0.6	0.6	0.9	1.2	1.5	2.1
135°	2.1	1.8	1.2	0.6	0.9	0.6	0.9	0.9	1.2	1.5	1.8
137.5°	1.8	1.8	1.2	0.9	0.9	0.9	0.9	0.9	1.2	1.5	1.5
140°	2.1	1.8	1.2	1.2	0.9	0.9	0.9	0.9	1.2	1.5	1.5
142.5°	2.4	2.1	1.5	1.2	1.2	0.9	0.9	1.2	1.2	1.5	1.5
145°	2.4	2.4	1.8	1.5	0.9	0.9	0.9	1.2	1.5	1.5	1.8
147.5°	2.7	2.4	1.8	1.5	0.9	0.6	0.9	0.9	1.5	1.8	1.8
150°	2.4	2.4	1.5	1.2	0.6	0.3	0.6	0.9	1.5	1.8	1.8
152.5°	1.8	1.8	1.2	0.6	0.3	0.3	0.6	0.9	1.2	1.5	1.8
155°	1.2	1.2	0.6	0.3	0.0	0.3	0.3	0.6	0.9	1.2	1.5
157.5°	0.6	0.6	0.3	0.0	0.0	0.3	0.3	0.6	0.9	1.2	1.2
160°	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.6	0.6	0.9	0.9
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.8	1.5	1.5	1.2	1.2	0.9	0.9	0.9	0.9	1.2	1.5
5°	1.8	1.8	1.5	1.5	1.5	1.2	1.2	1.8	2.1	2.4	2.4
7.5°	1.8	1.8	1.8	1.5	1.8	2.4	9.6	27.7	30.4	32.2	32.9
10°	3.3	3.0	2.7	2.4	4.5	30.7	38.0	41.3	42.8	44.3	44.3
12.5°	31.6	31.6	13.0	7.2	31.0	41.3	43.4	45.8	47.9	50.0	50.3
15°	68.7	67.8	65.4	60.0	51.8	46.7	48.8	72.3	85.0	90.7	89.8
17.5°	78.7	77.5	76.0	86.5	90.1	72.0	84.1	93.4	96.1	99.2	98.9
20°	145.9	144.4	112.4	100.7	98.6	120.9	96.1	98.3	103.1	131.4	132.3
22.5°	163.4	161.6	150.4	153.4	115.1	131.1	126.9	132.9	148.3	152.8	153.4
25°	191.4	184.2	170.6	160.3	163.1	136.8	157.9	148.0	153.7	159.1	160.0
27.5°	264.9	260.7	236.6	179.6	166.4	171.2	164.6	160.9	192.3	203.7	204.7
30°	285.4	281.2	251.1	208.0	175.4	175.4	165.8	200.7	202.2	208.3	209.8
32.5°	387.9	379.5	319.2	211.3	182.0	167.6	187.8	197.7	221.8	239.9	242.9
35°	411.7	404.5	329.4	241.4	176.0	174.5	177.2	208.3	226.1	236.9	239.3
37.5°	436.4	428.3	328.2	230.0	186.6	166.4	172.4	194.7	220.3	248.4	252.0
40°	470.2	460.2	329.7	215.2	174.8	157.3	161.9	186.9	204.3	221.8	224.8
42.5°	515.4	495.5	332.4	201.9	161.2	153.4	154.3	168.8	176.9	184.2	184.2
45°	576.3	544.0	333.3	188.1	147.7	144.4	145.6	152.2	155.2	150.7	148.6
47.5°	658.0	604.0	344.5	175.7	136.2	134.4	135.3	137.4	135.9	124.2	122.1
50°	753.2	674.5	350.5	164.9	127.8	127.5	126.0	126.0	120.6	107.3	106.4
52.5°	858.4	758.6	355.7	151.6	121.8	123.3	123.3	116.9	108.8	98.3	97.4
55°	991.9	855.7	363.2	140.2	116.6	116.3	119.7	111.8	103.4	94.3	94.3
57.5°	1124.5	958.5	372.2	130.2	110.9	111.5	116.3	110.0	105.5	101.9	101.6
60°	1257.1	1064.5	357.8	121.2	108.8	107.6	115.4	116.9	111.5	113.6	115.7
62.5°	1381.6	1132.4	299.6	113.3	104.9	106.7	123.3	132.6	130.8	128.7	129.3
65°	1440.4	1146.2	242.9	106.4	102.2	113.0	135.9	150.1	144.1	137.1	136.5
67.5°	1450.3	1110.4	178.7	102.2	100.7	124.2	145.9	154.0	145.0	142.3	139.8
70°	1380.4	1019.3	142.9	97.7	101.9	126.0	152.2	153.1	146.5	149.5	146.5
72.5°	1174.0	849.0	125.1	93.4	102.2	121.5	152.2	153.4	145.9	154.6	153.1
75°	840.6	595.3	111.2	89.8	98.9	116.3	150.1	153.1	144.1	153.7	151.3
76°	684.8	472.3	107.3	90.7	97.4	114.5	149.5	152.2	144.4	153.1	150.7
77.5°	452.4	308.6	100.7	90.1	94.6	113.6	148.0	151.0	144.1	151.3	148.9
80°	242.0	174.8	90.7	84.1	91.3	114.2	146.8	148.0	138.3	146.5	143.5
82.5°	159.4	130.2	78.4	76.3	88.0	115.1	146.2	144.4	133.5	146.5	138.3
85°	125.1	107.6	58.8	61.2	80.2	111.2	144.4	139.2	129.3	132.9	128.1
87.5°	106.1	88.6	35.3	43.7	70.2	94.6	128.1	115.1	109.4	113.0	110.9
90°	99.8	78.4	19.9	30.7	52.7	63.0	80.8	75.0	72.6	76.9	76.0
92.5°	100.7	76.6	19.6	29.2	56.4	67.8	83.5	76.9	69.6	69.6	68.7
95°	96.1	71.4	19.3	23.2	50.9	66.0	78.4	69.0	56.1	53.3	52.4
97.5°	41.9	34.7	18.1	17.8	29.2	45.5	57.0	49.4	37.1	28.9	28.9
100°	6.9	11.2	15.7	17.2	17.2	24.1	32.2	30.4	17.8	9.3	9.6
102.5°	7.2	6.3	10.9	14.2	11.2	9.9	14.8	18.4	11.8	3.6	3.9
105°	7.5	6.6	5.4	9.9	6.3	3.3	4.5	8.4	5.4	3.6	3.6
107.5°	8.1	6.9	3.3	3.6	2.7	2.7	2.4	2.1	2.7	3.6	3.9



REPORT NUMBER: P414336

CATALOG NUMBER: LXF.LXT-PA1-20-750-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	6.3	5.7	3.0	2.7	2.4	2.7	1.8	1.8	2.1	3.6	3.9
112.5°	3.6	3.6	2.7	2.1	2.1	2.4	1.5	1.5	2.1	3.9	3.9
115°	3.6	3.6	2.4	1.8	1.5	1.8	1.5	1.2	2.1	3.9	4.2
117.5°	3.6	3.6	2.4	1.8	1.5	1.2	1.2	1.2	2.1	3.9	4.2
120°	3.6	3.3	2.1	1.5	1.5	0.9	0.9	0.9	1.8	3.9	4.2
122.5°	3.3	3.3	2.1	1.5	1.2	0.9	0.9	0.9	1.8	3.6	3.9
125°	3.0	3.0	2.1	1.5	1.2	0.9	0.6	0.9	1.8	3.3	3.6
127.5°	2.7	2.7	1.8	1.5	1.2	0.9	0.6	0.9	1.8	3.3	3.6
130°	2.4	2.4	1.8	1.2	1.2	0.6	0.6	0.6	1.8	3.0	3.3
132.5°	2.1	2.1	1.5	1.2	0.9	0.6	0.3	0.6	1.5	2.7	2.7
135°	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.6	1.2	2.1	2.4
137.5°	1.5	1.5	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.8	1.8
140°	1.5	1.5	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.5	1.8
142.5°	1.5	1.5	1.2	1.2	0.9	0.6	0.3	0.6	0.9	1.5	1.8
145°	1.8	1.5	1.5	1.2	0.9	0.6	0.3	0.6	1.2	1.8	1.8
147.5°	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.6	1.2	1.8	1.8
150°	1.8	1.8	1.5	1.2	0.9	0.3	0.0	0.3	0.9	1.5	1.8
152.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0	0.6	1.2	1.2
155°	1.5	1.2	1.2	0.9	0.6	0.3	0.0	0.0	0.3	0.6	0.6
157.5°	1.2	1.2	0.9	0.6	0.3	0.3	0.0	0.0	0.0	0.3	0.3
160°	0.9	0.9	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)