

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: P414162

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414162
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-PA1-20-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA 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: 2276 lumens
Efficiency: N/A
Efficacy: 108.4 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: B1 - U2 - G1

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

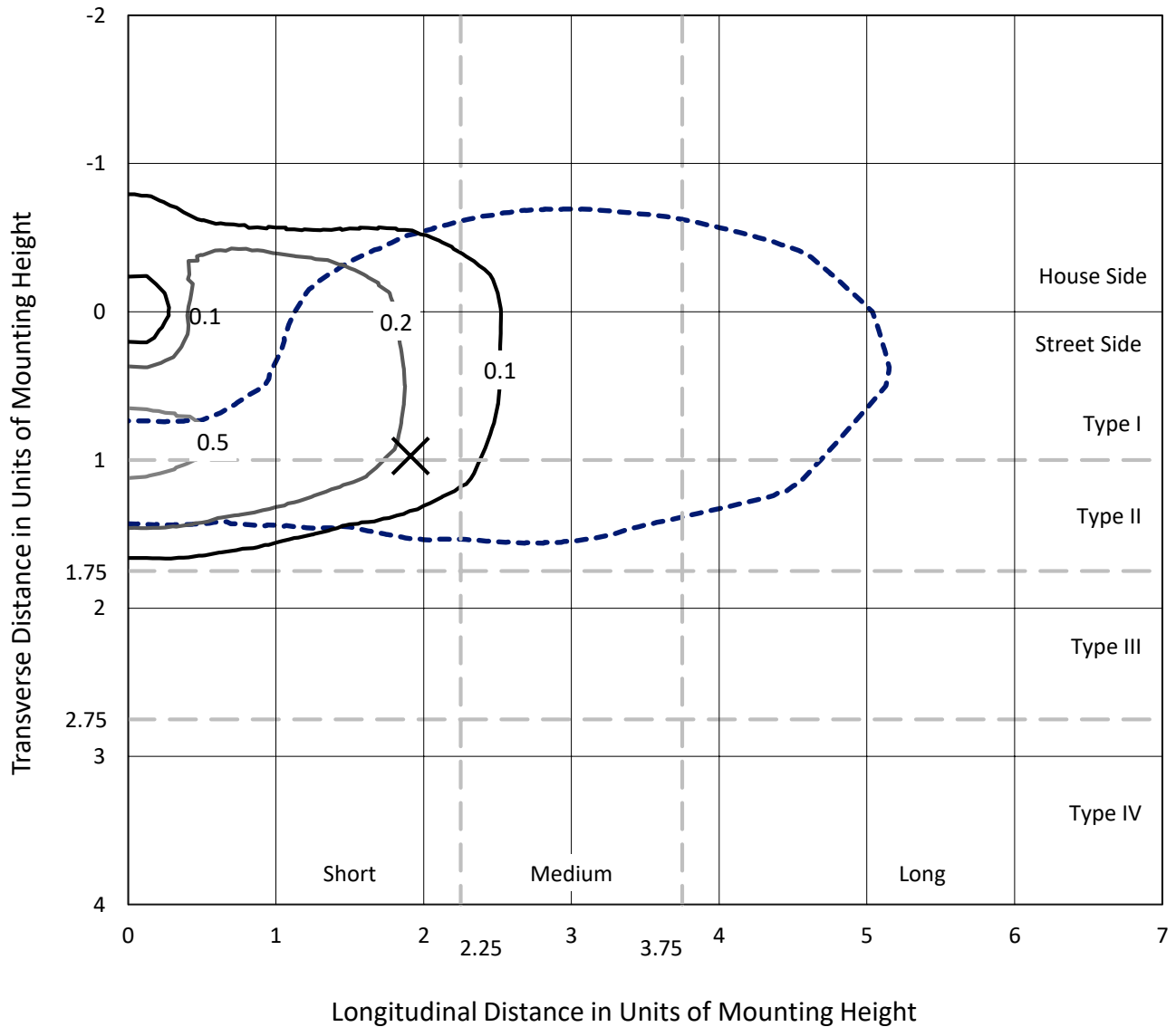


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

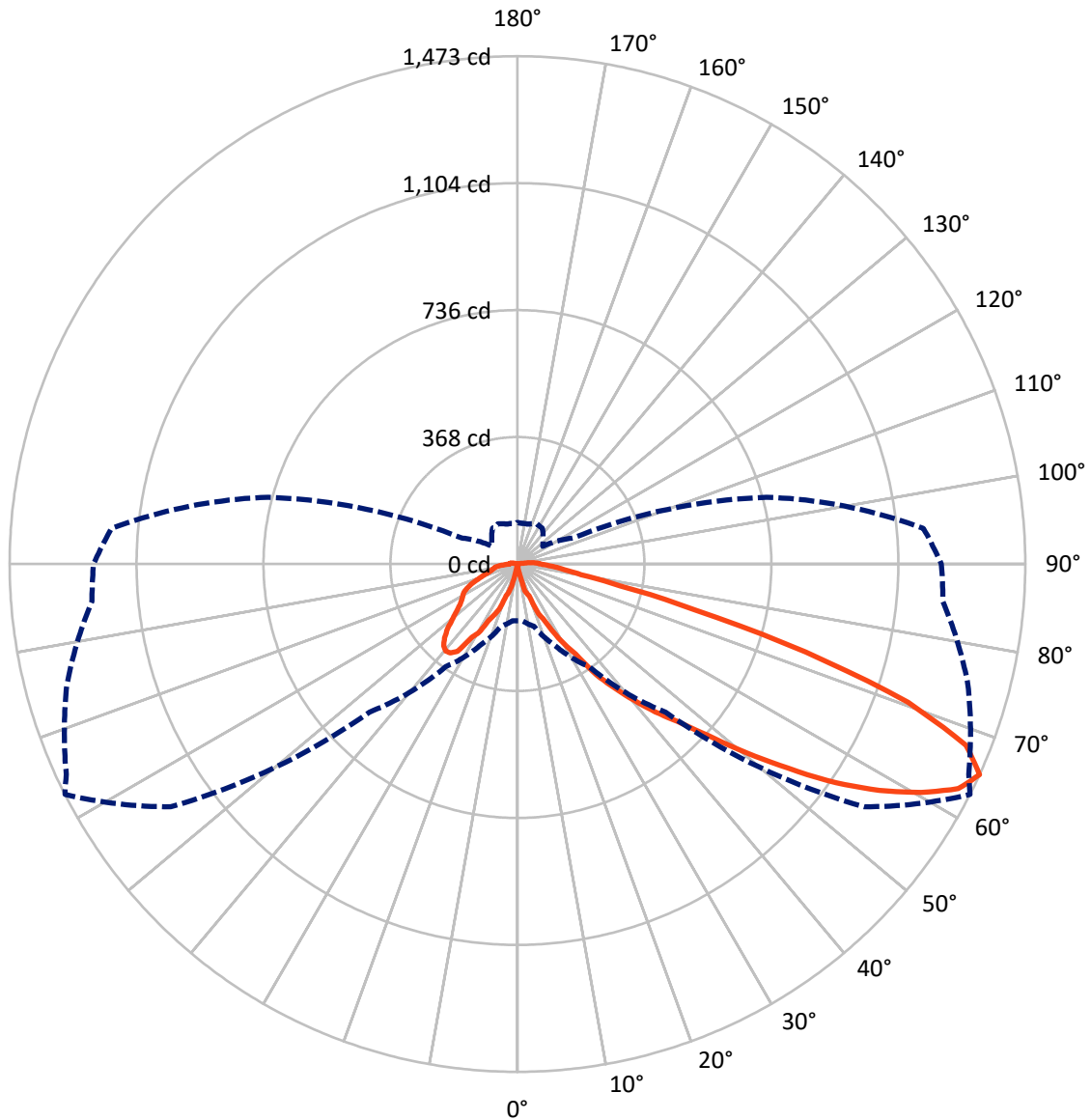


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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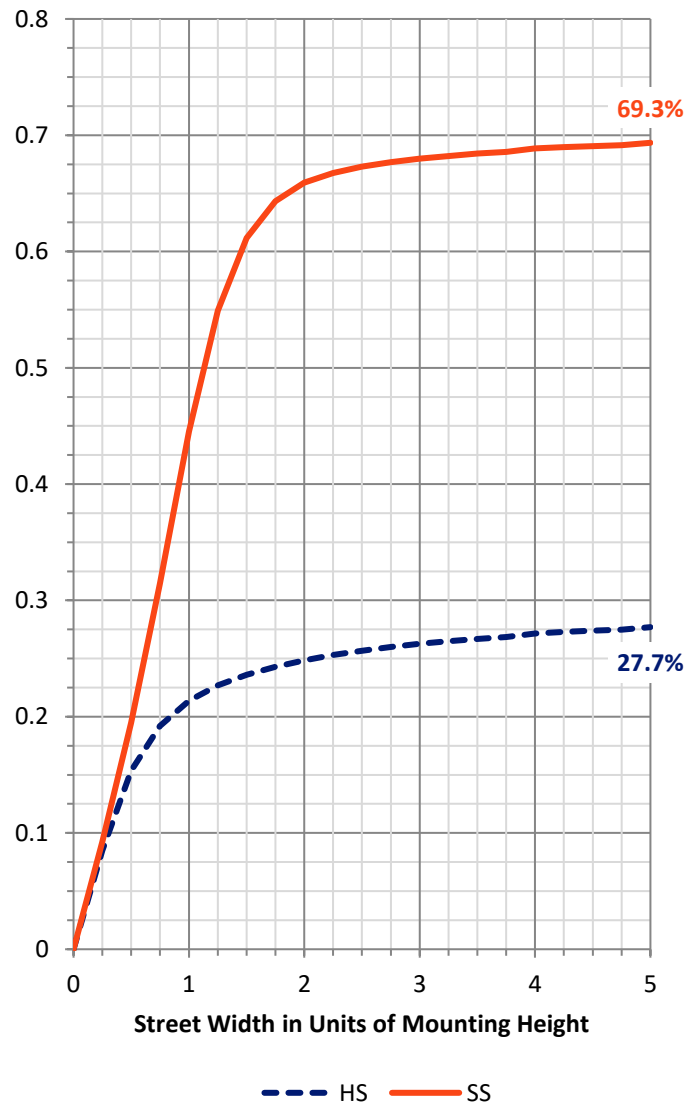
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	647.7	18.8	666.5
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	1592.0	17.5	1609.5
	% Fixture	69.9	0.8	70.7
Total	Lumens	2239.7	36.4	2276.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	20.4	0.9
20°-30°	83.6	3.7
30°-40°	217.3	9.5
40°-50°	413.1	18.2
50°-60°	556.1	24.4
60°-70°	526.8	23.1
70°-80°	330.1	14.5
80°-90°	90.7	4.0
90°-100°	25.4	1.1
100°-110°	4.7	0.2
110°-120°	2.3	0.1
120°-130°	1.7	0.1
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2239.7	98.4
0°-180°	2276.0	100.0



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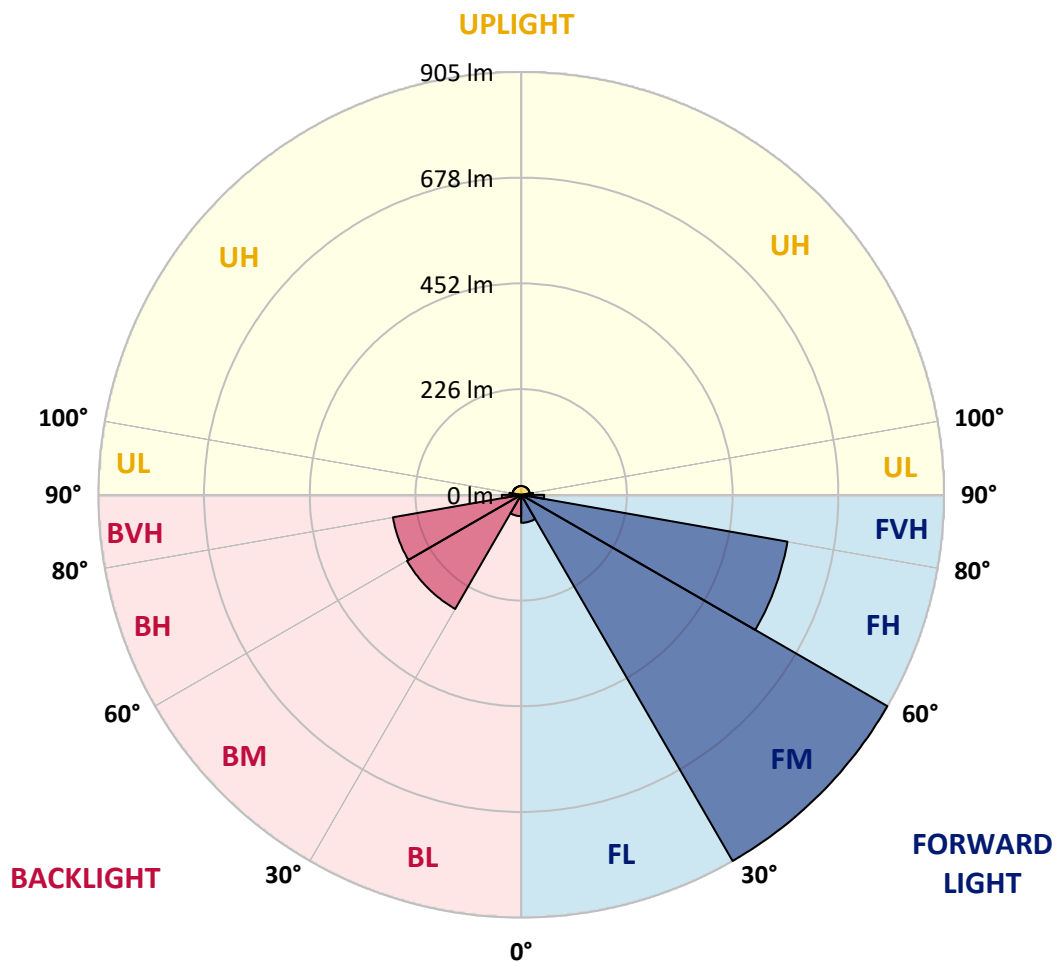
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	59.9	2.6			
FM (30°-60°)	904.5	39.7			
FH (60°-80°)	578.4	25.4			G0/660
FVH (80°-90°)	49.2	2.2			G1/100
BL (0°-30°)	45.6	2.0	B0/110		
BM (30°-60°)	282.0	12.4	B1/1000		
BH (60°-80°)	278.6	12.2	B1/500		G1/500
BVH (80°-90°)	41.5	1.8			G1/100
UL (90°-100°)	25.4	1.1		U2/50	
UH (100°-180°)	18.8	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.0	2.8	3.0	3.0	2.8	2.5	2.3	2.0	1.8	1.3	1.0
5°	35.5	35.8	35.3	34.5	12.4	5.5	3.3	2.5	2.3	1.5	1.3
7.5°	40.8	40.6	40.3	39.8	38.1	35.8	19.4	4.5	3.5	2.0	1.3
10°	44.9	44.4	43.1	42.9	41.1	39.8	36.8	23.7	19.9	3.5	2.5
12.5°	81.7	79.9	78.4	64.8	45.4	42.9	41.1	35.8	35.0	22.4	33.5
15°	85.5	85.7	84.7	83.2	79.7	53.4	66.5	80.7	80.4	69.6	68.6
17.5°	97.0	96.3	92.5	88.7	87.5	95.0	94.3	90.0	90.0	79.7	75.4
20°	150.0	148.7	146.5	122.0	108.6	122.8	115.2	100.3	100.8	123.0	133.6
22.5°	173.7	173.2	168.6	157.8	153.8	135.4	151.7	157.0	154.0	155.8	149.2
25°	237.7	235.2	215.3	196.1	198.4	182.8	182.5	179.2	177.5	169.6	181.5
27.5°	302.5	300.5	295.9	269.0	229.1	220.3	206.2	225.1	220.1	238.2	242.2
30°	400.8	382.4	344.1	325.9	312.8	270.7	266.7	272.5	271.0	265.9	261.4
32.5°	503.1	495.6	473.1	406.8	365.3	341.1	329.2	311.3	303.0	357.2	361.0
35°	610.0	603.0	548.0	509.4	438.1	398.8	392.2	394.7	383.7	410.1	403.8
37.5°	798.1	794.5	739.3	619.6	545.0	468.1	459.0	456.0	438.6	457.8	458.0
40°	918.8	913.0	852.0	763.8	643.5	579.5	535.4	518.0	513.5	514.5	514.7
42.5°	1008.6	999.2	963.7	882.5	757.0	681.9	619.6	586.1	595.1	577.5	576.5
45°	1066.8	1061.7	1029.5	961.7	874.7	837.4	727.2	651.6	682.1	650.6	649.1
47.5°	1079.9	1077.6	1055.2	1021.2	984.9	969.2	857.1	741.4	769.3	755.5	727.2
50°	1022.9	1024.9	1016.6	1029.0	1068.5	1086.4	993.9	860.3	875.7	842.7	806.6
52.5°	898.4	898.1	928.4	983.1	1099.3	1170.9	1120.7	984.1	983.3	923.6	882.8
55°	721.2	734.8	786.0	870.9	1057.2	1209.7	1241.0	1120.2	1099.0	1018.1	950.6
57.5°	549.5	567.2	629.9	707.1	937.5	1182.2	1328.4	1238.4	1216.5	1103.3	1022.4
60°	371.8	378.6	457.8	547.0	745.6	1076.6	1369.5	1345.1	1320.9	1190.3	1095.0
62.5°	247.8	253.8	299.2	407.9	534.7	875.0	1343.1	1435.1	1403.1	1293.1	1170.9
65°	164.9	164.9	187.3	262.4	363.7	607.5	1227.1	1472.6	1443.6	1352.6	1238.2
67.5°	121.5	123.5	130.8	169.1	247.8	363.5	976.0	1403.3	1406.3	1359.4	1259.6
70°	110.2	111.4	117.7	127.6	177.0	216.3	645.1	1202.1	1254.3	1308.0	1232.1
72.5°	96.3	96.8	106.9	117.5	139.4	165.9	375.1	873.7	983.3	1196.1	1156.5
75°	80.7	81.4	89.5	105.4	120.5	139.1	199.6	531.9	641.0	1027.0	1056.4
77.5°	65.5	67.3	73.9	86.2	110.7	116.7	153.3	304.0	371.3	764.8	893.1
80°	50.4	52.2	58.0	67.8	90.5	103.1	127.3	187.0	225.1	475.4	624.1
82.5°	34.5	35.8	41.6	48.9	64.8	86.0	105.4	137.9	149.0	260.1	344.3
85°	24.5	25.2	29.0	32.3	40.3	56.5	88.0	109.4	112.4	137.9	140.2
87.5°	13.9	13.6	14.1	16.4	18.4	21.9	51.9	80.2	83.9	96.0	89.2
90°	9.6	9.3	7.8	7.6	8.6	9.3	29.5	63.8	67.1	77.4	79.4
92.5°	10.1	9.6	7.6	7.1	8.1	8.6	19.7	55.7	62.8	77.4	81.7
95°	9.6	9.1	6.8	6.0	7.3	7.6	12.1	38.3	49.4	72.3	79.9
97.5°	8.3	7.8	5.5	5.0	6.0	6.0	6.8	17.6	24.2	33.8	38.1
100°	6.8	6.3	4.5	4.0	4.3	4.5	4.3	8.8	8.8	9.3	7.3
102.5°	6.0	5.8	3.8	3.3	3.0	3.0	2.8	4.3	4.5	5.0	6.3
105°	5.3	5.0	3.3	2.8	2.3	2.3	2.0	2.8	3.0	4.3	6.0
107.5°	3.8	3.8	2.8	2.3	2.0	2.0	1.5	2.3	2.5	3.8	6.3
110°	2.5	2.5	2.0	2.0	1.8	2.0	1.5	2.3	2.3	3.0	4.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	2.0	2.0	1.8	1.5	1.3	1.5	1.8	2.0	2.0	2.3	3.0
115°	2.0	1.8	1.5	1.3	1.0	1.3	1.3	1.8	1.8	2.3	3.0
117.5°	2.0	2.0	1.5	1.3	1.0	1.0	1.3	1.5	1.5	2.3	3.3
120°	2.0	2.0	1.5	1.3	1.0	0.8	1.0	1.5	1.5	2.0	3.0
122.5°	2.0	2.0	1.5	1.3	1.0	0.8	1.0	1.3	1.3	1.8	3.0
125°	2.3	2.3	1.8	1.3	1.0	0.8	1.0	1.0	1.0	1.8	2.8
127.5°	2.3	2.3	1.8	1.3	1.0	0.8	1.0	1.0	1.0	1.5	2.3
130°	2.3	2.3	1.8	1.3	1.0	0.8	1.0	0.8	0.8	1.3	2.0
132.5°	2.3	2.0	1.8	1.5	1.3	1.0	1.0	0.8	0.8	0.8	1.5
135°	2.0	2.0	1.8	1.5	1.3	1.0	1.0	0.8	0.8	0.8	1.0
137.5°	2.0	2.0	2.0	1.8	1.5	1.3	1.0	0.8	0.8	0.8	0.8
140°	2.3	2.3	2.3	2.0	1.5	1.3	1.0	0.8	0.8	0.8	0.8
142.5°	2.5	2.5	2.5	2.3	1.5	1.3	1.3	0.8	0.8	0.8	0.8
145°	2.8	2.8	2.8	2.3	1.5	1.3	1.3	1.0	1.0	0.8	1.0
147.5°	3.0	3.0	2.8	2.3	1.3	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.8	2.5	2.5	1.8	1.0	0.5	0.8	0.8	0.8	1.0	1.0
152.5°	2.0	2.0	1.8	1.3	0.8	0.3	0.5	0.5	0.8	0.8	0.8
155°	1.3	1.3	1.0	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
157.5°	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.0	1.0	1.3	1.5	1.5	1.8	1.8	1.8	1.8	1.8	1.8
5°	1.0	1.0	1.3	1.5	1.8	2.0	2.3	2.3	2.3	2.5	2.5
7.5°	1.3	1.3	1.3	1.8	2.0	2.8	7.6	22.7	35.0	36.0	36.6
10°	2.5	2.5	2.5	2.5	5.5	32.3	40.1	41.8	42.9	43.6	43.6
12.5°	33.8	33.5	12.1	6.0	27.7	41.8	44.4	45.6	46.6	47.4	47.6
15°	68.6	68.8	68.8	69.6	50.4	45.6	48.1	71.1	84.2	86.7	87.7
17.5°	75.1	75.1	74.9	83.4	93.8	74.1	82.7	90.2	92.8	94.0	94.5
20°	137.1	136.9	110.4	95.8	99.1	123.0	92.5	96.0	98.1	117.0	117.5
22.5°	151.2	150.5	147.2	148.0	116.7	133.1	126.8	123.0	134.9	134.4	134.9
25°	185.8	167.6	160.6	159.1	169.1	138.4	147.0	127.3	130.3	129.8	130.3
27.5°	243.3	236.7	220.3	186.3	180.2	170.9	147.2	133.6	150.2	154.0	154.5
30°	260.9	252.6	235.2	236.7	200.9	173.9	143.4	148.0	142.2	141.7	140.7
32.5°	357.7	346.9	320.6	258.1	223.8	163.3	144.2	134.6	137.6	147.7	148.2
35°	398.5	386.2	367.8	329.5	217.0	160.3	131.8	131.3	133.3	133.6	133.1
37.5°	444.9	428.8	411.4	347.1	226.6	145.2	123.0	123.3	127.8	136.6	135.6
40°	498.9	481.0	452.7	357.4	203.4	136.1	117.2	121.0	125.8	123.8	122.0
42.5°	559.6	530.4	486.0	355.4	177.0	125.5	115.7	118.2	117.5	113.7	112.7
45°	622.4	591.4	518.5	338.5	153.0	118.7	112.9	113.7	110.7	105.9	104.9
47.5°	694.7	653.9	536.9	313.8	133.9	118.2	112.2	109.7	103.9	99.6	99.3
50°	767.6	723.0	565.7	280.8	119.5	116.2	113.9	108.6	101.6	97.3	96.8
52.5°	838.9	799.8	596.7	253.1	108.6	113.9	114.7	109.1	101.6	95.3	95.0
55°	910.5	876.2	630.2	231.2	101.3	113.7	117.5	110.7	103.1	93.8	93.5
57.5°	982.3	949.1	662.5	216.5	98.1	110.4	119.2	115.5	107.1	99.3	99.8
60°	1067.5	1028.2	700.5	206.2	96.8	108.6	120.7	121.0	109.7	100.8	102.1
62.5°	1151.2	1111.4	732.8	196.6	93.5	106.9	121.5	125.3	115.2	107.6	108.9
65°	1229.1	1181.7	747.7	178.2	89.5	104.9	126.0	129.1	119.5	118.7	120.2
67.5°	1258.9	1214.8	733.0	155.3	87.0	104.9	130.8	134.4	124.0	128.1	132.1
70°	1230.1	1193.3	696.2	126.5	87.7	105.6	131.6	136.9	130.6	133.9	137.4
72.5°	1140.9	1094.0	606.7	101.8	87.7	104.6	128.3	132.8	128.1	138.9	142.4
75°	1028.2	946.5	483.0	83.9	85.2	104.1	120.7	126.0	121.2	132.6	136.4
77.5°	849.2	744.6	334.0	74.1	81.7	99.6	112.9	113.9	109.1	116.0	117.7
80°	598.9	501.9	211.5	67.1	78.1	90.0	100.1	98.3	93.5	94.8	96.3
82.5°	334.0	265.4	123.3	61.8	73.4	74.9	81.9	82.4	76.1	76.4	76.6
85°	132.6	122.8	83.4	51.9	59.2	53.9	61.3	63.8	57.7	50.7	49.2
87.5°	88.0	83.4	58.2	35.5	36.3	30.5	39.8	41.3	34.0	29.5	29.2
90°	83.7	81.2	50.2	23.9	20.2	16.6	22.2	21.4	16.4	14.4	14.6
92.5°	86.2	84.7	50.9	22.9	19.7	15.9	19.7	16.9	12.4	10.8	11.1
95°	84.9	84.2	49.7	22.4	18.7	14.6	16.6	13.6	9.6	8.6	8.6
97.5°	40.3	42.6	30.8	20.2	16.6	12.4	12.9	10.3	6.8	6.3	6.0
100°	6.0	9.6	16.6	18.7	12.4	8.6	8.3	6.8	4.3	4.0	4.0
102.5°	6.3	6.8	10.3	12.9	6.8	4.5	4.5	4.0	3.3	3.8	3.8
105°	6.8	6.3	6.0	7.1	4.0	2.8	2.5	2.5	2.8	4.0	4.3
107.5°	7.3	6.8	4.8	3.8	3.0	2.5	2.0	1.8	2.5	4.3	4.5
110°	5.5	5.3	4.0	3.0	3.0	2.8	1.8	1.8	2.8	4.5	5.0



REPORT NUMBER: P414162

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.8	3.5	2.8	2.5	2.5	1.8	1.8	2.8	4.8	5.3
115°	3.5	3.5	3.0	2.3	2.0	2.0	1.8	1.5	2.8	5.0	5.3
117.5°	3.5	3.5	3.0	2.3	1.8	1.5	1.5	1.5	2.8	5.0	5.3
120°	3.5	3.5	3.0	2.0	1.8	1.5	1.5	1.5	2.8	4.8	5.3
122.5°	3.3	3.3	2.8	2.0	1.5	1.5	1.5	1.5	2.8	4.5	4.8
125°	3.0	3.0	2.5	1.8	1.5	1.3	1.5	1.5	2.5	4.0	4.3
127.5°	2.5	2.8	2.3	1.8	1.5	1.3	1.5	1.5	2.3	3.5	3.8
130°	2.3	2.3	2.0	1.5	1.3	1.3	1.5	1.5	2.3	3.3	3.5
132.5°	1.8	1.8	1.5	1.5	1.3	1.3	1.3	1.3	1.8	2.8	2.8
135°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.5	2.0	2.3
137.5°	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.8	1.8
140°	0.8	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.5	1.5
142.5°	0.8	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.5	1.8	1.8
145°	1.0	1.0	1.3	1.3	1.3	1.0	1.3	1.3	1.5	1.8	1.8
147.5°	1.0	1.0	1.3	1.3	1.3	1.0	1.0	1.3	1.5	1.8	1.8
150°	1.0	1.0	1.3	1.3	1.0	0.8	1.0	1.0	1.3	1.8	1.8
152.5°	1.0	1.0	1.0	1.0	0.8	0.5	0.8	0.8	1.0	1.3	1.3
155°	0.8	0.8	0.8	0.8	0.8	0.5	0.5	0.5	0.8	0.8	1.0
157.5°	0.5	0.5	0.5	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5
160°	0.3	0.3	0.5	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3
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

(END OF REPORT)