

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: P414153

Luminaire Tested: **LXF.LXT-PA1-20-727-U-T2R-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-4)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2232.1 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U2 - G1

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): 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

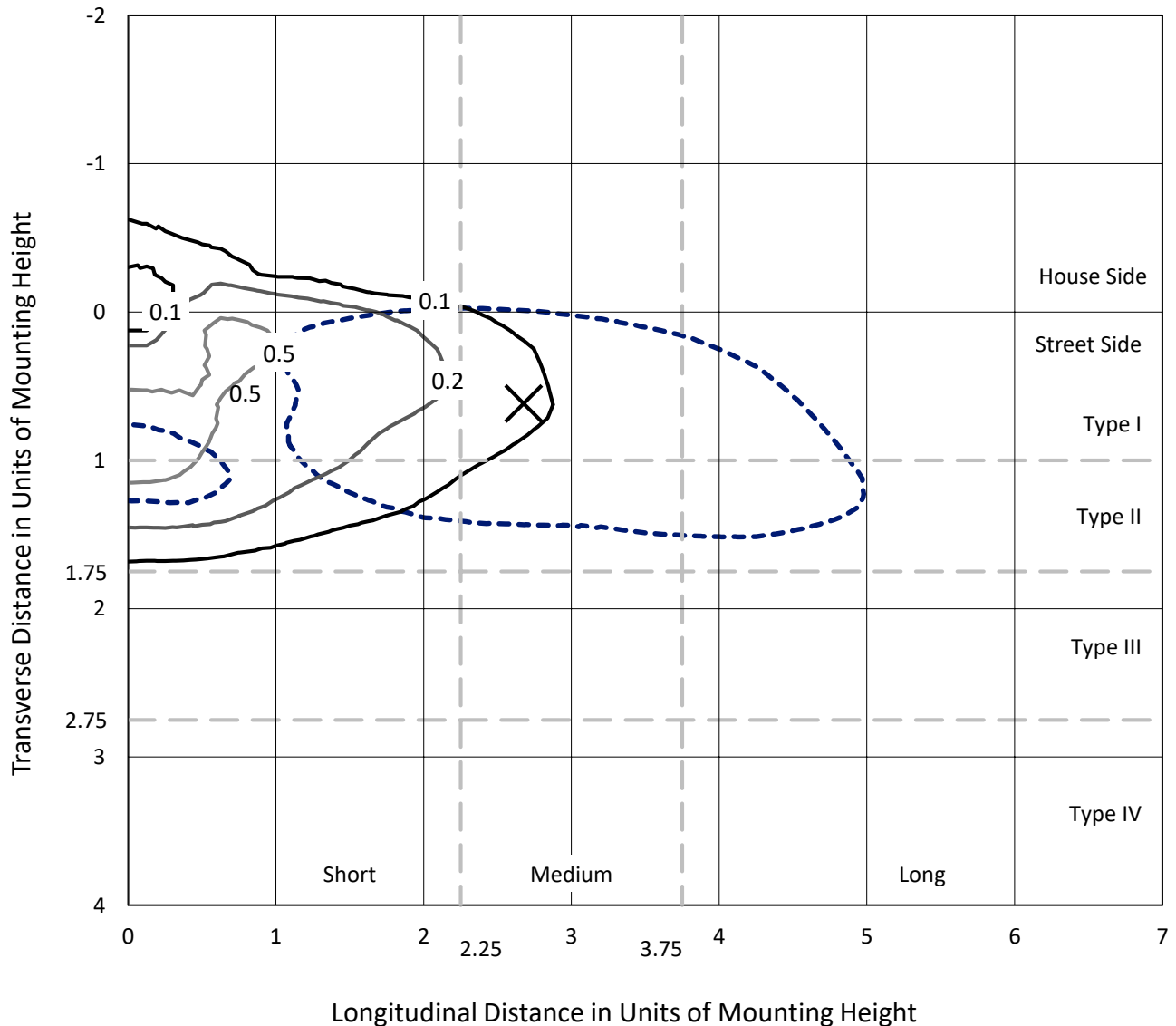


REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

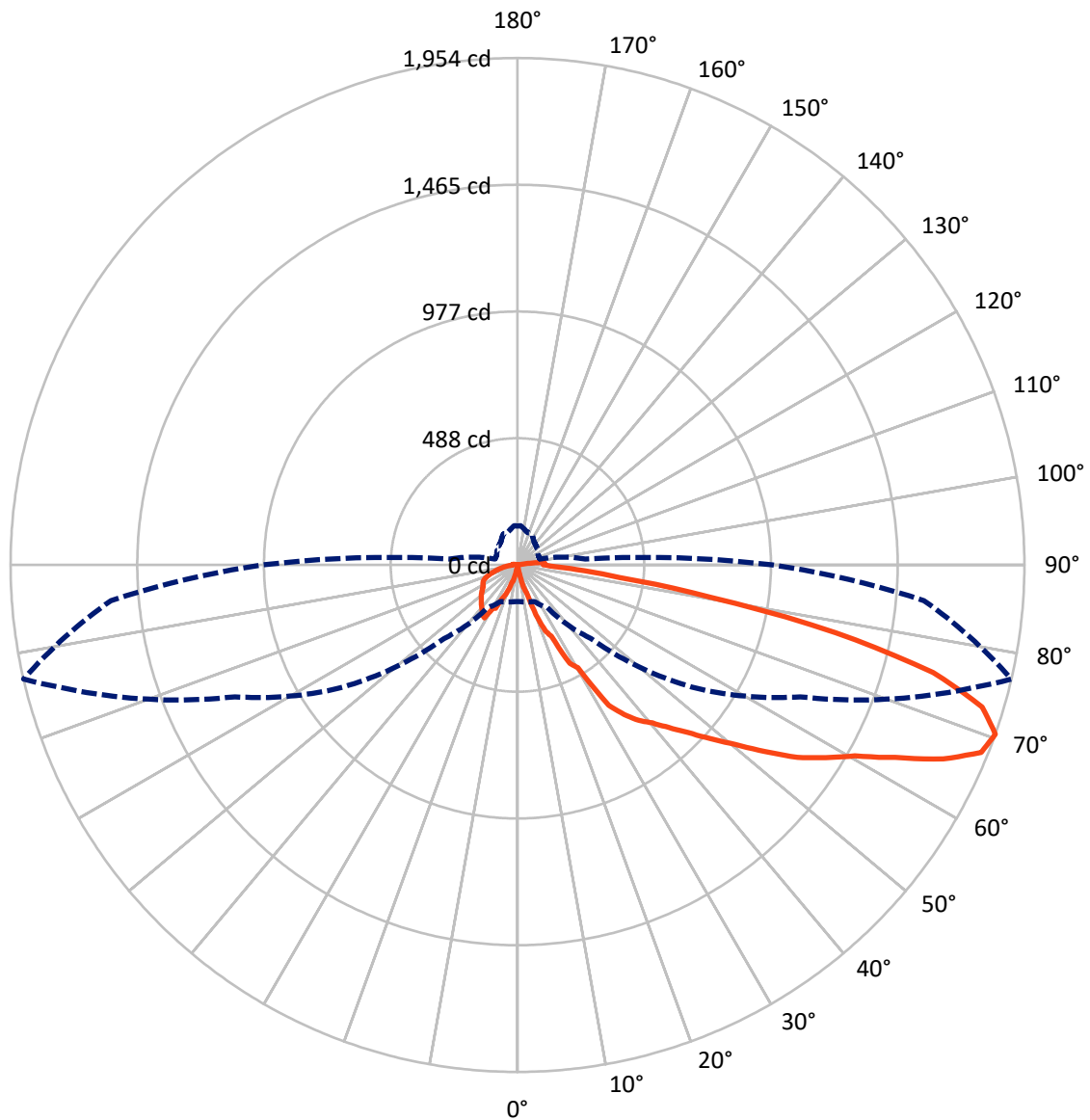


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

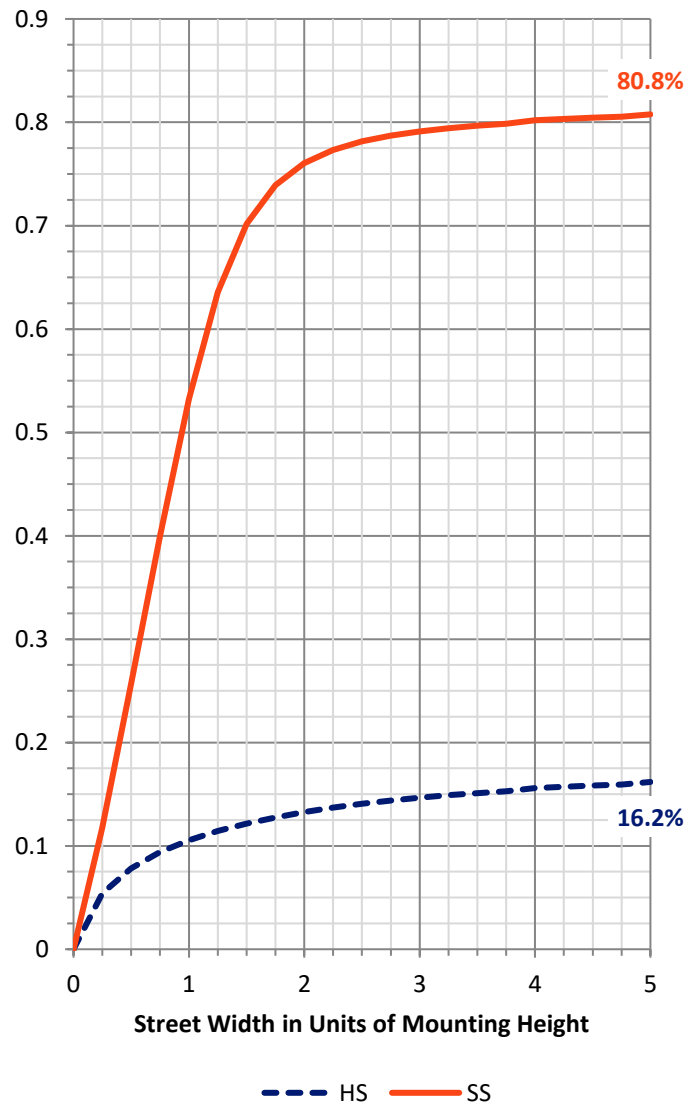
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	377.5	16.6	394.1
	% Fixture	16.9	0.7	17.7
Street Side	Lumens	1817.3	20.6	1838.0
	% Fixture	81.4	0.9	82.3
Total	Lumens	2194.8	37.2	2232.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	26.6	1.2
20°-30°	105.2	4.7
30°-40°	254.0	11.4
40°-50°	410.9	18.4
50°-60°	491.4	22.0
60°-70°	480.6	21.5
70°-80°	332.2	14.9
80°-90°	92.2	4.1
90°-100°	24.3	1.1
100°-110°	5.0	0.2
110°-120°	2.7	0.1
120°-130°	2.1	0.1
130°-140°	1.5	0.1
140°-150°	1.2	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2194.8	98.3
0°-180°	2232.1	100.0

Coefficient of Utilization



REPORT NUMBER: P414153

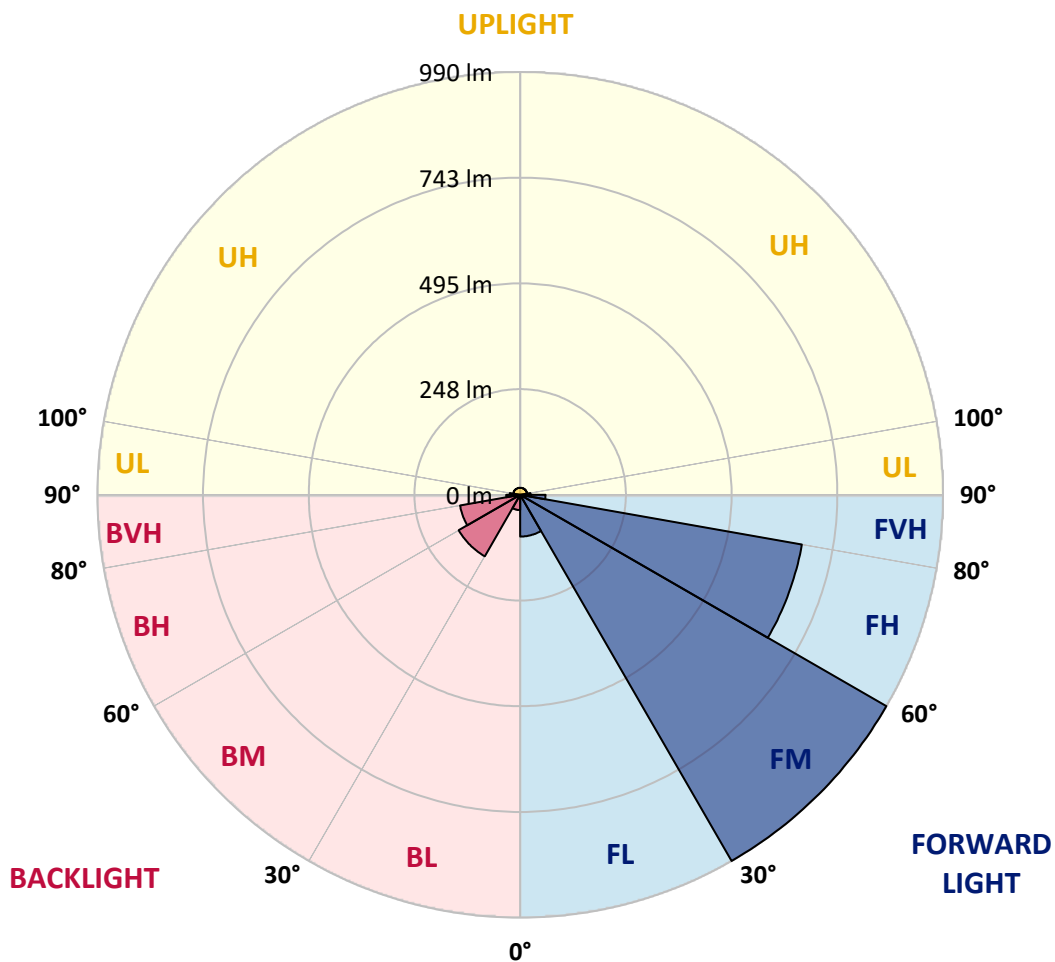
CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.8	4.4			
FM (30°-60°)	990.3	44.4			
FH (60°-80°)	669.9	30.0			G1/1800
FVH (80°-90°)	59.4	2.7			G1/100
BL (0°-30°)	35.7	1.6	B0/110		
BM (30°-60°)	166.0	7.4	B0/220		
BH (60°-80°)	142.9	6.4	B1/500		G1/500
BVH (80°-90°)	32.8	1.5			G1/100
UL (90°-100°)	24.3	1.1		U2/50	
UH (100°-180°)	16.6	0.7		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	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°	2.8	2.5	2.5	2.8	3.3	3.0	2.3	1.8	1.5	1.5	1.5
5°	54.7	52.9	51.7	36.6	8.1	4.8	3.0	2.3	1.8	1.8	1.5
7.5°	65.3	64.3	63.8	62.0	60.0	56.0	10.1	3.3	2.0	2.0	1.8
10°	73.9	73.1	72.1	71.1	68.3	65.5	60.0	8.3	3.3	3.3	2.8
12.5°	150.5	148.2	146.2	103.9	77.1	74.1	68.8	47.1	35.8	34.5	41.6
15°	154.5	154.5	154.5	155.8	153.5	82.7	112.7	141.2	93.3	90.2	93.3
17.5°	164.6	163.1	160.6	161.3	164.4	182.5	168.1	157.0	124.3	110.4	107.4
20°	246.3	245.0	245.8	227.9	175.2	229.9	228.4	177.0	201.9	204.7	199.4
22.5°	262.9	262.7	261.9	260.9	299.5	244.0	262.7	278.3	282.1	276.5	229.4
25°	373.1	370.3	336.8	283.8	320.9	293.7	350.4	308.6	314.1	304.3	290.7
27.5°	426.3	420.5	414.7	398.8	344.6	392.5	372.8	406.9	456.0	429.8	369.8
30°	562.4	565.7	471.9	466.6	426.3	416.2	456.5	478.2	478.7	459.5	415.2
32.5°	692.5	683.7	661.7	567.4	507.7	466.1	529.4	509.2	626.4	644.6	562.9
35°	820.0	802.9	738.6	674.6	592.4	574.5	567.2	637.5	681.9	707.9	609.0
37.5°	1001.8	989.4	927.9	760.5	682.9	618.4	665.0	678.6	749.2	760.3	672.1
40°	1068.6	1060.3	1009.1	877.8	753.7	690.2	708.9	728.0	816.0	800.6	719.4
42.5°	1116.5	1113.5	1072.6	939.0	846.0	761.5	759.5	769.4	884.6	856.3	766.8
45°	1153.3	1149.0	1124.8	978.3	889.6	805.7	814.2	820.3	944.8	920.1	821.0
47.5°	1146.2	1148.0	1151.3	1027.2	915.6	848.8	870.2	864.1	994.0	999.8	881.8
50°	1092.0	1095.6	1119.8	1046.9	930.4	884.1	918.6	913.0	1062.5	1086.7	951.9
52.5°	930.9	936.7	1026.5	1016.4	943.5	911.8	968.3	969.5	1142.7	1194.1	1041.4
55°	681.6	703.6	812.7	915.3	929.2	920.6	1001.5	1041.1	1235.0	1309.1	1121.3
57.5°	548.3	543.7	619.1	768.6	858.1	909.8	1036.6	1104.9	1319.2	1401.3	1201.2
60°	425.5	427.0	482.7	589.9	733.6	883.0	1072.4	1162.4	1422.8	1494.1	1299.0
62.5°	316.9	319.9	360.2	424.3	591.4	808.4	1083.5	1234.2	1566.7	1634.3	1417.2
65°	230.2	235.2	257.1	296.5	427.3	696.5	1049.7	1287.9	1726.3	1803.2	1543.5
67.5°	172.9	175.7	188.6	212.5	305.3	552.8	966.2	1284.6	1806.4	1927.4	1597.7
70°	140.7	141.9	146.7	155.3	200.4	400.8	819.8	1201.9	1823.6	1953.9	1572.5
72.5°	119.5	119.0	119.2	120.5	138.4	274.0	633.2	1047.2	1758.0	1873.5	1458.8
75°	102.1	101.3	101.3	100.1	106.9	192.3	436.1	845.2	1583.8	1655.4	1228.9
77.5°	87.0	85.7	85.5	82.9	86.0	143.2	288.9	629.5	1253.1	1254.4	871.2
80°	74.1	71.8	70.8	69.1	72.6	109.2	188.6	410.6	766.6	754.2	483.5
82.5°	54.7	54.7	56.2	56.7	62.5	80.9	133.1	244.3	418.5	396.0	280.3
85°	31.5	34.3	40.6	41.3	47.9	53.7	100.1	144.7	234.2	225.9	143.7
87.5°	11.6	11.1	16.9	17.9	20.2	20.2	54.5	79.4	122.8	127.8	113.2
90°	9.6	9.6	6.6	6.1	7.8	13.1	36.8	55.7	92.3	99.1	106.9
92.5°	10.1	10.1	6.6	5.8	7.3	11.6	31.0	52.7	96.8	106.1	110.4
95°	9.6	9.8	5.8	5.3	6.8	9.8	23.2	45.1	93.0	101.8	107.9
97.5°	8.3	8.6	4.8	4.5	6.1	7.1	12.6	22.4	46.4	48.1	49.9
100°	6.8	6.8	3.5	3.8	4.8	4.8	6.6	11.8	11.3	9.3	8.1
102.5°	5.8	6.3	3.3	3.0	3.5	3.0	3.0	4.5	6.8	5.8	7.8
105°	4.8	5.3	2.8	2.5	2.8	2.5	2.0	3.3	5.0	5.8	8.3
107.5°	3.3	3.5	2.0	2.3	2.3	2.3	1.5	2.5	4.8	5.5	8.6
110°	2.3	2.3	1.5	2.0	2.0	2.3	1.5	2.5	3.8	4.3	6.8



REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	1.5	1.5	1.3	1.5	1.8	1.8	1.5	2.3	3.3	3.5	4.8
115°	1.3	1.3	1.0	1.3	1.5	1.5	1.3	2.0	3.3	3.8	5.0
117.5°	1.5	1.3	1.0	1.3	1.5	1.3	1.3	1.8	3.3	3.8	5.0
120°	1.5	1.5	1.3	1.3	1.3	1.3	1.3	1.8	3.3	3.8	5.0
122.5°	1.8	1.5	1.3	1.3	1.3	1.3	1.3	1.5	3.0	3.5	4.8
125°	1.8	1.8	1.3	1.3	1.5	1.3	1.3	1.5	3.0	3.3	4.5
127.5°	2.0	1.8	1.5	1.3	1.5	1.3	1.3	1.5	2.8	3.0	4.0
130°	2.0	2.0	1.5	1.3	1.5	1.3	1.3	1.3	2.3	2.5	3.5
132.5°	2.0	2.0	1.8	1.5	1.8	1.5	1.3	1.3	1.8	2.0	2.8
135°	2.3	2.0	2.0	1.8	2.0	1.8	1.3	1.3	1.3	1.5	2.0
137.5°	2.3	2.3	2.3	2.0	2.3	1.8	1.3	1.3	1.3	1.3	1.5
140°	2.8	2.8	2.5	2.3	2.5	2.0	1.5	1.3	1.3	1.3	1.5
142.5°	3.3	3.3	3.0	2.8	2.5	2.0	1.8	1.5	1.5	1.5	1.5
145°	3.8	3.5	3.5	3.0	2.5	2.0	1.8	1.8	1.8	1.8	1.8
147.5°	3.8	3.8	3.5	2.8	2.3	1.5	1.5	2.0	2.0	2.0	2.0
150°	3.5	3.5	3.0	2.5	1.8	1.3	1.3	1.8	2.0	2.0	2.0
152.5°	2.8	2.5	2.3	1.5	1.3	0.8	1.0	1.3	1.5	1.5	1.8
155°	1.8	1.5	1.3	1.0	1.0	0.8	0.8	1.0	1.0	1.0	1.3
157.5°	0.8	0.8	0.5	0.5	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.3	0.3	0.3	0.3	0.8	0.8	0.8	0.5	0.5	0.5	0.5
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



REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

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°	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.8	2.0	2.0	2.0
5°	1.5	1.5	1.5	1.8	1.8	1.5	1.8	2.3	2.5	2.5	2.5
7.5°	1.8	1.5	1.8	2.0	2.0	2.0	8.8	25.5	28.2	28.7	29.2
10°	2.5	2.5	2.5	2.8	3.0	26.5	31.3	32.8	33.8	34.5	34.8
12.5°	38.3	33.5	20.9	5.5	26.7	32.8	34.5	37.1	38.3	39.8	39.3
15°	86.0	76.1	57.2	48.9	47.9	36.6	38.3	63.8	70.8	72.1	71.8
17.5°	97.3	83.7	63.8	68.1	70.8	55.0	64.5	71.3	72.6	73.9	73.6
20°	181.0	144.2	86.5	74.9	74.1	92.8	68.8	71.1	73.6	86.7	88.2
22.5°	200.9	165.9	113.2	109.7	89.5	94.3	89.7	91.0	98.8	98.8	98.3
25°	251.6	200.7	127.8	111.9	113.7	93.8	105.4	91.0	92.5	92.5	92.8
27.5°	327.2	257.9	169.7	124.8	112.4	113.4	100.1	92.3	105.6	107.1	107.9
30°	350.1	267.7	167.9	139.4	117.5	110.2	93.5	103.4	99.6	99.6	98.8
32.5°	489.3	365.3	209.0	136.4	120.5	102.3	103.6	97.3	95.5	103.4	103.4
35°	516.8	376.1	201.7	153.5	115.7	106.6	98.6	100.1	96.8	96.3	95.5
37.5°	548.3	383.7	185.3	144.2	122.3	102.3	101.8	98.1	93.8	99.8	100.8
40°	578.3	391.0	172.2	133.1	112.9	101.8	99.8	97.8	88.7	88.7	88.5
42.5°	612.1	395.8	160.3	124.3	103.9	102.1	96.5	90.2	84.2	86.0	85.5
45°	647.1	398.8	148.2	114.4	95.8	105.6	96.8	94.0	89.2	90.0	89.2
47.5°	690.2	403.8	137.6	104.9	90.8	96.8	91.5	90.2	93.0	90.5	92.0
50°	736.1	406.6	127.8	96.5	85.7	94.0	94.8	91.0	93.0	88.7	88.5
52.5°	791.0	409.1	117.2	91.0	85.0	93.5	99.3	95.3	91.8	86.2	85.7
55°	839.4	401.1	108.1	87.5	90.0	92.5	103.1	98.3	91.0	84.7	85.0
57.5°	892.1	390.7	100.8	86.0	89.0	90.8	108.4	102.6	94.3	94.5	94.8
60°	946.6	380.9	96.3	85.7	87.7	91.5	109.2	108.4	98.6	100.8	102.6
62.5°	1011.6	373.1	95.5	87.5	92.3	95.5	109.9	117.7	109.2	110.2	110.7
65°	1062.5	350.4	94.8	88.5	94.0	96.3	110.2	124.3	120.5	126.3	125.8
67.5°	1046.9	308.6	93.5	89.5	95.3	100.3	109.9	129.1	128.6	141.9	140.7
70°	983.1	262.2	89.5	88.2	95.8	102.3	110.2	130.3	132.6	151.5	150.2
72.5°	875.7	211.5	82.2	84.7	96.0	104.9	113.4	130.6	133.1	159.8	156.0
75°	732.8	170.9	71.3	76.6	99.1	106.4	114.2	128.1	128.1	153.3	148.5
77.5°	527.4	131.6	61.5	69.6	98.1	105.4	111.9	122.3	120.5	132.6	128.1
80°	307.3	97.1	52.4	68.3	92.0	103.4	105.6	107.9	99.6	102.3	99.6
82.5°	184.5	71.8	45.4	61.3	80.9	93.0	94.8	91.0	79.9	79.7	75.9
85°	110.7	49.2	33.3	47.4	63.8	77.6	79.7	69.1	58.7	64.8	58.0
87.5°	81.7	31.0	22.9	29.5	38.8	36.3	47.4	44.6	38.1	36.6	36.0
90°	73.6	23.7	18.9	23.9	26.2	22.4	24.2	24.2	19.7	19.4	18.4
92.5°	72.9	22.2	20.2	23.4	21.2	17.9	19.7	19.4	15.6	14.9	14.1
95°	68.1	19.9	20.2	21.2	18.7	14.6	15.9	14.9	11.1	10.3	9.6
97.5°	32.0	13.9	19.2	18.4	15.4	11.3	13.1	11.3	7.8	6.8	6.8
100°	7.6	11.8	16.4	16.6	12.4	8.6	9.1	7.3	5.0	4.3	4.3
102.5°	7.6	5.3	10.1	13.1	7.6	3.5	5.0	4.8	3.8	3.8	4.0
105°	7.6	5.0	5.0	8.6	4.5	2.3	2.3	3.0	3.3	4.3	4.8
107.5°	7.8	5.3	4.0	4.0	3.3	2.3	2.0	2.3	3.3	5.0	5.3
110°	6.6	4.8	3.8	3.5	3.3	2.3	1.8	2.3	3.3	5.5	6.1



REPORT NUMBER: P414153

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.8	4.3	3.3	3.3	2.8	2.3	1.8	2.0	3.5	6.1	6.6
115°	4.8	4.0	3.0	2.8	2.3	2.0	1.8	2.0	3.8	6.6	7.1
117.5°	5.0	4.0	2.8	2.5	2.0	1.5	1.5	2.0	3.8	6.8	7.3
120°	5.0	4.0	2.8	2.5	2.0	1.5	1.5	2.3	4.0	6.6	7.1
122.5°	4.8	4.0	2.8	2.5	2.0	1.3	1.5	2.0	3.8	6.3	6.8
125°	4.3	3.8	2.8	2.3	2.0	1.3	1.5	2.0	3.8	6.1	6.3
127.5°	4.0	3.5	2.5	2.3	1.8	1.3	1.5	2.0	3.5	5.5	5.8
130°	3.5	3.3	2.3	2.0	1.8	1.3	1.5	2.0	3.5	5.0	5.3
132.5°	2.8	2.5	2.0	1.8	1.8	1.3	1.5	1.8	2.8	4.3	4.5
135°	2.0	2.0	1.8	1.8	1.8	1.3	1.5	1.5	2.3	3.3	3.5
137.5°	1.5	1.5	1.5	1.8	1.5	1.3	1.3	1.5	2.0	2.5	2.8
140°	1.5	1.5	1.5	1.8	1.5	1.3	1.3	1.5	1.8	2.0	2.3
142.5°	1.5	1.5	1.5	1.8	1.5	1.0	1.3	1.5	1.8	2.0	2.0
145°	1.8	1.8	1.8	1.8	1.5	1.0	1.0	1.5	1.8	2.0	2.0
147.5°	2.0	2.0	1.8	1.8	1.5	0.8	0.8	1.5	1.8	2.0	2.0
150°	2.0	2.0	1.8	1.8	1.3	0.8	0.8	1.3	1.8	1.8	1.8
152.5°	1.5	1.5	1.5	1.5	1.3	0.5	0.5	1.0	1.5	1.5	1.5
155°	1.3	1.3	1.3	1.3	1.0	0.5	0.3	0.8	1.3	1.3	1.3
157.5°	0.8	1.0	1.0	1.3	1.0	0.5	0.3	0.5	1.0	1.0	1.0
160°	0.5	0.8	0.8	1.0	1.0	0.5	0.3	0.5	0.8	0.8	0.8
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)