

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: P414149

Luminaire Tested: **LXF.LXT-PA1-20-727-U-SL3-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-5)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2144 lumens
Efficiency: N/A
Efficacy: 102.1 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

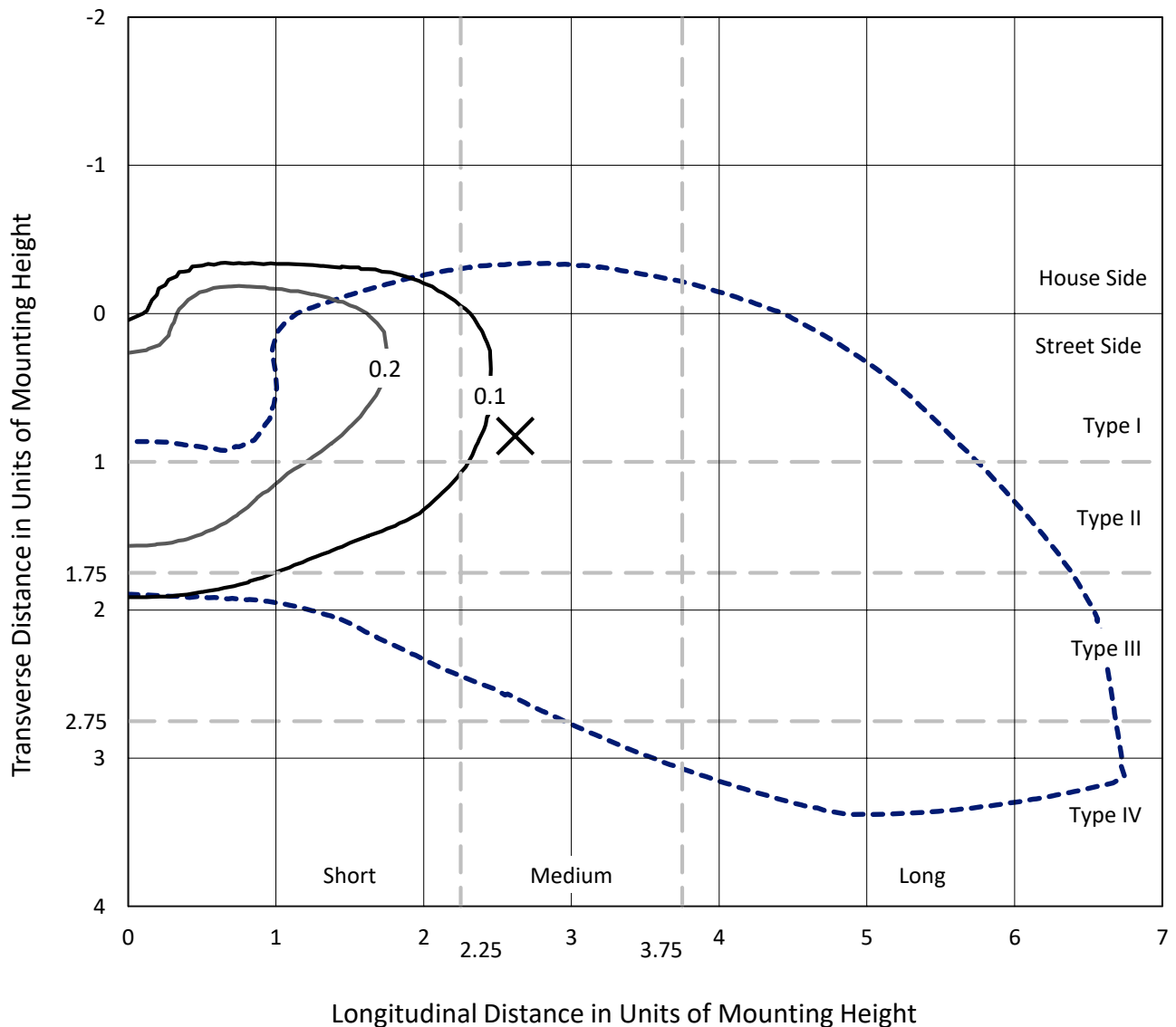
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

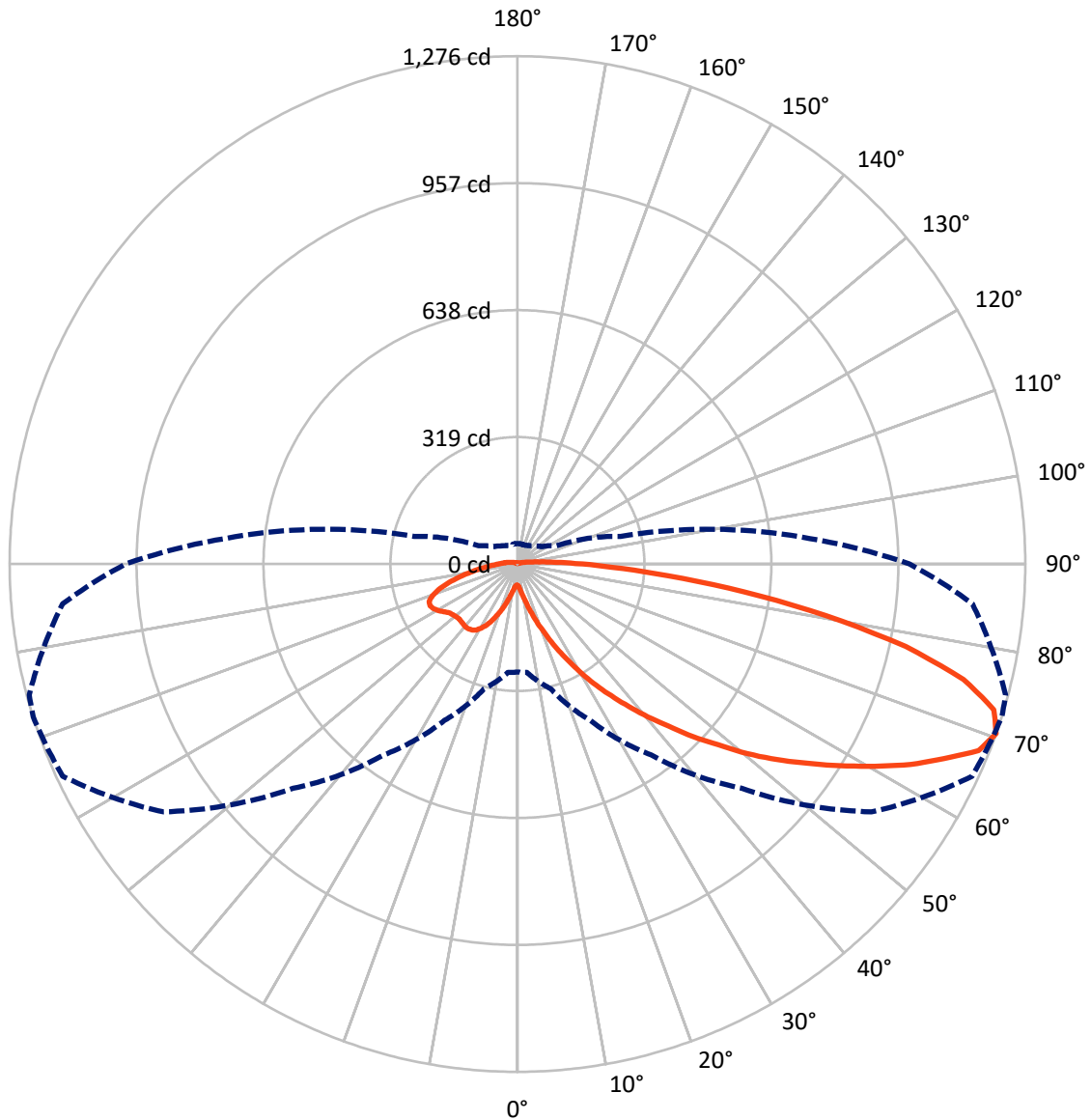
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 72.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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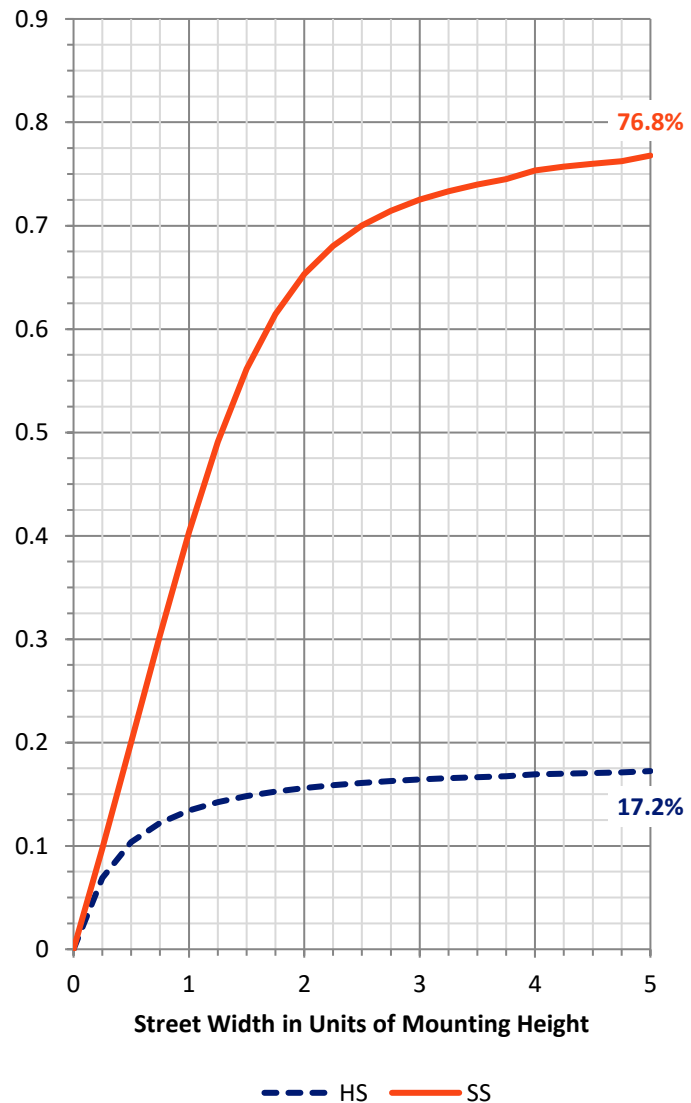
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	385.4	35.0	420.4
	% Fixture	18.0	1.6	19.6
Street Side	Lumens	1683.2	40.4	1723.6
	% Fixture	78.5	1.9	80.4
Total	Lumens	2068.7	75.4	2144.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.3
10°-20°	29.0	1.4
20°-30°	81.0	3.8
30°-40°	167.9	7.8
40°-50°	290.0	13.5
50°-60°	428.3	20.0
60°-70°	505.6	23.6
70°-80°	401.2	18.7
80°-90°	159.5	7.4
90°-100°	42.2	2.0
100°-110°	16.3	0.8
110°-120°	7.9	0.4
120°-130°	4.5	0.2
130°-140°	2.6	0.1
140°-150°	1.3	0.1
150°-160°	0.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	2068.7	96.5
0°-180°	2144.0	100.0

Coefficient of Utilization



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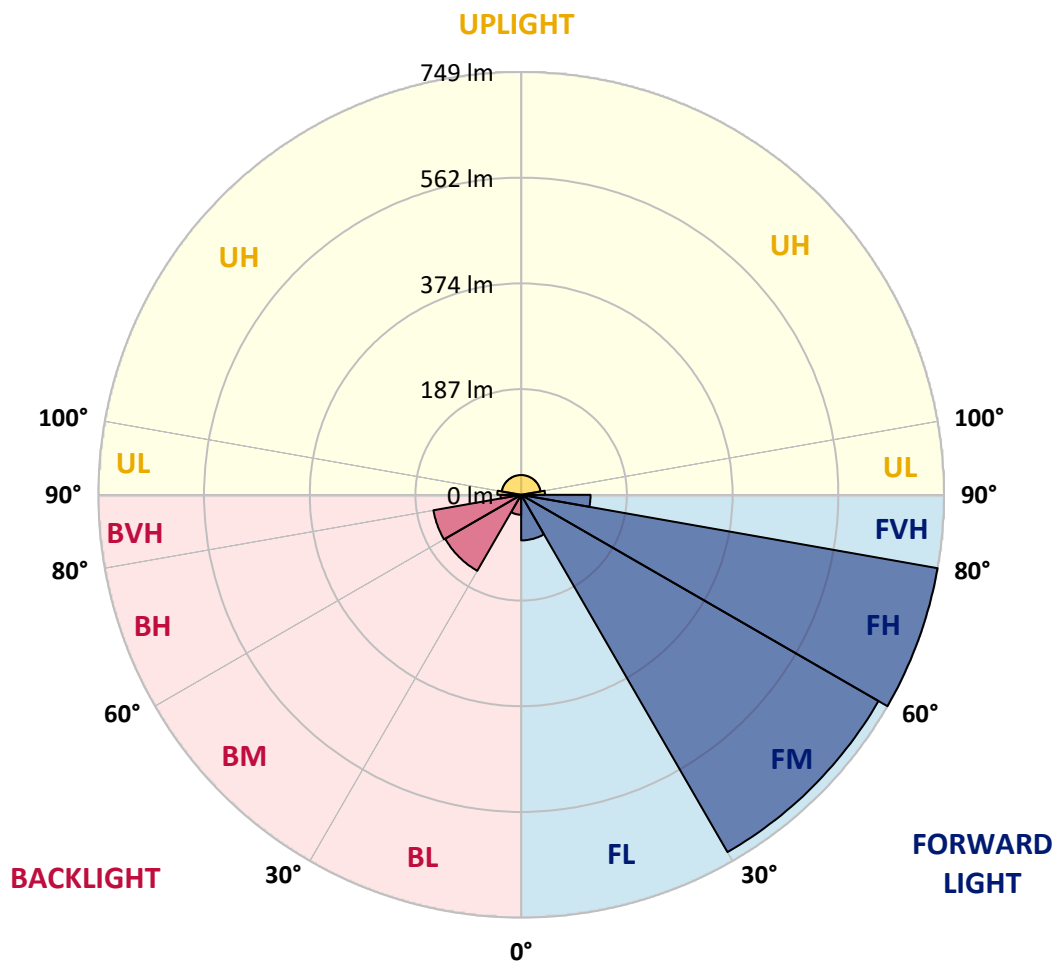
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	80.7	3.8			
FM	(30°-60°)	730.8	34.1			
FH	(60°-80°)	748.9	34.9			G1/1800
FVH	(80°-90°)	122.8	5.7			G2/225
BL	(0°-30°)	35.4	1.6	B0/110		
BM	(30°-60°)	155.5	7.3	B0/220		
BH	(60°-80°)	157.9	7.4	B1/500		G1/500
BVH	(80°-90°)	36.7	1.7			G1/100
UL	(90°-100°)	42.2	2.0		U2/50	
UH	(100°-180°)	35.0	1.6		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
0°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
2.5°	60.3	60.5	60.3	60.3	59.7	59.5	58.0	57.0	56.2	55.7	55.0
5°	69.8	70.3	70.1	70.1	68.8	68.1	66.3	64.3	62.8	62.5	60.3
7.5°	82.7	82.4	81.4	81.2	80.7	79.4	76.9	73.9	72.4	71.8	68.6
10°	98.6	97.3	97.8	96.0	95.0	93.0	90.8	88.5	85.5	85.5	80.9
12.5°	114.5	117.2	116.5	113.9	111.9	108.7	105.9	105.1	101.6	102.1	97.8
15°	140.4	140.2	137.9	136.1	132.1	128.1	125.5	123.8	122.8	122.0	117.2
17.5°	167.9	166.4	164.6	159.3	153.5	150.0	147.7	146.0	147.2	147.0	141.2
20°	199.7	197.9	195.4	185.8	178.2	172.7	171.4	173.4	174.2	176.2	170.4
22.5°	235.0	234.2	228.1	217.3	204.4	197.1	195.9	200.7	206.5	207.5	203.4
25°	277.3	276.3	268.0	252.3	235.5	224.4	224.4	231.9	241.5	243.8	241.8
27.5°	322.7	320.2	309.3	290.2	267.0	252.6	250.8	264.4	277.8	284.4	281.8
30°	374.9	374.4	356.5	333.0	305.3	282.3	281.6	301.5	320.4	323.4	323.9
32.5°	428.6	432.8	412.2	377.1	343.6	316.6	315.4	337.8	364.0	369.3	369.3
35°	490.6	490.8	465.4	430.6	384.7	353.9	350.4	377.1	406.4	413.7	417.7
37.5°	553.1	551.6	528.6	480.7	429.3	392.3	389.0	420.5	453.8	465.6	464.9
40°	614.6	618.9	589.9	537.0	474.9	437.4	429.3	466.4	504.7	518.1	512.8
42.5°	680.9	679.9	653.9	594.9	525.9	481.0	476.2	514.5	557.1	572.3	567.5
45°	738.9	738.4	710.1	651.2	574.5	531.4	524.9	565.4	618.9	633.0	623.2
47.5°	792.3	791.1	761.8	701.8	617.1	579.6	580.1	621.7	678.4	701.6	686.4
50°	833.7	829.4	811.0	746.2	663.3	630.2	639.8	688.7	749.2	770.1	753.8
52.5°	855.9	849.3	834.9	777.2	706.9	680.4	698.8	756.8	816.5	836.4	818.5
55°	845.3	845.3	837.2	796.1	737.9	726.3	763.3	821.8	884.1	906.0	890.1
57.5°	802.7	809.2	813.0	791.1	759.3	771.7	830.4	895.9	955.7	979.9	959.0
60°	728.0	729.8	757.5	763.8	767.9	810.2	900.0	978.1	1031.8	1051.0	1027.3
62.5°	622.4	630.7	664.5	711.2	755.3	842.2	973.1	1060.8	1109.2	1122.1	1087.5
65°	504.9	502.9	565.4	635.3	720.5	851.6	1032.1	1141.0	1178.5	1195.7	1135.7
67.5°	382.9	381.7	439.4	541.7	661.5	841.7	1080.0	1209.0	1250.4	1250.9	1165.9
70°	271.5	273.5	324.7	433.3	585.4	796.9	1085.8	1261.0	1276.1	1270.0	1147.5
72.5°	184.3	185.8	234.4	332.0	484.5	724.3	1037.4	1255.4	1251.9	1235.0	1071.9
75°	118.7	128.8	164.9	252.3	392.3	619.6	943.3	1176.0	1157.6	1129.6	940.6
77.5°	81.9	87.0	114.7	183.8	306.5	511.7	810.0	1016.4	997.3	963.0	758.3
80°	55.5	57.7	78.9	137.4	241.3	402.3	660.0	818.3	785.3	750.0	568.7
82.5°	37.1	41.3	56.7	98.6	182.5	310.6	501.9	624.9	572.5	542.0	399.6
85°	24.7	27.0	40.3	71.6	132.1	226.1	361.2	424.5	378.4	351.4	255.4
87.5°	16.6	18.7	28.7	51.2	97.8	164.4	242.0	274.3	237.2	220.3	154.5
90°	11.1	12.4	21.2	36.8	69.1	114.7	163.4	169.4	145.5	135.1	94.5
92.5°	7.8	9.1	15.9	27.2	48.4	79.7	104.9	102.6	85.7	80.7	61.0
95°	6.1	7.1	12.4	20.9	35.3	54.7	68.3	62.5	54.2	52.4	42.1
97.5°	5.3	5.8	10.3	16.9	26.7	38.8	44.4	42.4	36.6	35.5	30.8
100°	4.8	5.3	9.1	14.6	21.4	28.5	31.8	29.5	26.5	25.7	22.7
102.5°	4.5	4.8	8.1	12.6	17.6	22.4	24.5	21.9	19.7	19.4	17.4
105°	4.3	4.5	7.1	10.8	14.9	18.4	19.2	17.1	15.4	14.6	13.1
107.5°	4.0	4.0	6.3	9.6	12.9	15.4	15.9	13.9	11.8	11.3	10.3
110°	3.8	4.0	5.8	8.6	11.3	13.4	13.4	11.3	9.3	8.8	8.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72.5°	75°	85°
112.5°	3.8	3.8	5.3	7.6	10.1	11.6	11.3	9.3	7.6	6.8	6.8
115°	3.5	3.8	5.0	7.1	9.1	10.1	9.6	7.8	6.1	5.5	5.8
117.5°	3.5	3.8	4.5	6.3	8.1	8.8	8.3	6.6	5.0	4.8	5.3
120°	3.5	3.8	4.5	5.8	7.1	7.8	7.3	5.5	4.5	4.3	4.8
122.5°	3.8	3.8	4.3	5.3	6.6	7.1	6.3	4.8	4.0	3.8	4.3
125°	3.8	3.8	4.3	5.0	6.1	6.3	5.5	4.3	3.5	3.5	4.0
127.5°	3.8	3.8	4.3	4.8	5.5	5.5	5.0	3.8	3.3	3.3	3.8
130°	3.8	3.8	4.0	4.5	5.0	5.0	4.3	3.3	3.0	3.0	3.5
132.5°	4.0	4.0	4.0	4.3	4.5	4.5	3.8	3.0	2.8	2.8	3.5
135°	3.8	3.8	3.8	4.0	4.0	4.0	3.3	2.8	2.5	2.8	3.3
137.5°	3.5	3.5	3.8	3.8	3.8	3.5	2.8	2.3	2.3	2.5	3.0
140°	3.5	3.3	3.5	3.5	3.3	3.0	2.5	2.0	2.0	2.3	2.5
142.5°	3.0	3.0	3.0	3.0	2.8	2.5	2.0	1.8	2.0	2.0	2.3
145°	2.8	2.8	2.8	2.5	2.5	2.0	1.5	1.5	1.5	1.8	2.0
147.5°	2.3	2.3	2.3	2.3	2.0	1.8	1.0	1.3	1.3	1.3	1.5
150°	1.8	1.8	2.0	1.8	1.5	1.3	0.8	1.0	1.3	1.3	1.3
152.5°	1.5	1.5	1.5	1.5	1.3	0.8	0.8	1.0	1.0	1.0	1.3
155°	1.0	1.0	1.0	1.0	0.8	0.5	0.8	0.8	1.0	1.0	1.0
157.5°	0.5	0.5	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
160°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
162.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
165°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
167.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
170°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
172.5°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
175°	0.0	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8
177.5°	0.0	0.3	0.5	0.5	0.8	0.5	0.5	0.5	0.5	0.5	0.8
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
2.5°	54.5	53.9	52.9	51.9	51.2	50.4	49.9	49.2	48.7	48.7	48.7
5°	58.7	58.2	55.7	53.2	50.9	48.9	47.4	45.6	44.9	44.1	44.4
7.5°	67.3	65.5	61.5	57.2	53.4	49.4	46.4	43.9	42.4	41.3	41.3
10°	78.9	76.1	70.1	63.5	57.2	51.4	46.9	43.4	40.8	39.8	39.8
12.5°	93.8	91.0	81.7	71.8	62.3	53.9	48.1	43.6	40.8	39.6	39.6
15°	113.7	108.9	96.3	82.2	68.3	57.0	49.4	45.6	43.9	43.1	43.1
17.5°	137.4	130.3	113.9	92.8	74.4	60.0	52.7	49.2	47.6	47.4	47.4
20°	165.1	156.3	131.6	103.4	79.2	63.8	55.5	52.4	51.9	52.2	52.2
22.5°	196.6	183.8	149.7	112.9	83.7	66.0	57.5	55.0	55.5	56.7	56.5
25°	229.9	216.3	169.7	121.5	86.7	67.1	58.7	57.2	59.2	60.8	60.8
27.5°	268.7	247.6	187.8	127.6	87.5	66.3	59.0	58.2	61.0	63.3	63.8
30°	308.3	281.1	203.4	131.3	86.0	64.5	58.0	58.5	61.8	64.8	65.0
32.5°	348.4	312.8	216.3	132.1	83.4	62.3	57.0	58.0	61.5	64.8	65.3
35°	388.2	342.6	224.9	129.3	79.4	60.0	55.2	57.0	60.5	64.3	64.8
37.5°	427.3	370.8	230.2	124.8	75.4	58.0	53.9	55.7	59.2	63.5	64.0
40°	469.9	401.1	233.2	119.5	71.3	56.2	53.2	55.0	58.5	62.5	63.3
42.5°	509.0	428.8	233.4	112.9	68.3	55.5	52.7	54.2	57.5	61.8	62.5
45°	559.9	457.3	233.4	107.4	66.3	55.2	52.7	53.9	57.0	61.5	62.5
47.5°	608.0	490.1	233.9	102.6	65.3	55.7	53.2	53.7	56.2	61.5	62.5
50°	664.0	521.6	238.0	99.1	65.0	56.7	53.9	53.4	55.5	61.0	62.3
52.5°	719.7	563.2	243.0	96.6	65.5	57.7	54.5	53.4	54.7	59.7	61.3
55°	780.7	602.8	248.6	96.8	66.6	58.7	55.2	53.2	53.7	57.7	59.2
57.5°	841.7	649.1	260.7	98.3	67.8	60.0	56.0	53.2	52.4	55.5	56.7
60°	895.2	690.0	273.3	101.6	69.6	61.3	56.5	52.9	51.4	53.2	54.2
62.5°	951.7	734.6	283.4	104.4	71.6	62.3	56.5	52.7	50.7	51.9	52.4
65°	988.5	761.1	288.6	107.9	73.6	63.0	56.7	52.2	50.4	51.2	51.7
67.5°	1007.4	765.4	285.1	109.2	75.4	63.5	56.5	51.7	50.7	51.2	51.7
70°	984.9	736.9	268.2	108.4	75.9	63.5	56.0	51.2	50.7	51.4	51.7
72.5°	903.8	668.3	243.3	104.6	75.1	62.5	55.2	50.4	50.4	51.7	51.7
75°	778.2	569.7	210.5	98.8	73.1	61.0	53.7	49.2	49.7	51.4	51.4
77.5°	623.2	450.7	173.4	90.5	69.3	58.5	51.7	47.4	48.7	50.7	50.4
80°	463.9	335.8	139.7	81.2	64.3	55.0	48.9	45.4	47.1	48.9	48.4
82.5°	309.1	235.7	110.4	71.3	59.0	51.4	45.9	42.6	44.9	46.6	45.9
85°	200.7	157.1	85.5	61.5	53.4	47.4	42.1	39.6	41.8	43.4	42.6
87.5°	125.0	105.4	65.0	52.4	47.6	42.9	38.8	36.0	38.3	39.8	38.8
90°	82.7	70.6	51.2	45.4	42.4	38.6	34.8	32.8	35.0	35.5	34.8
92.5°	54.5	49.9	41.6	38.8	37.3	34.3	31.5	29.7	31.5	31.8	31.3
95°	39.1	37.8	34.3	33.8	33.0	30.5	28.2	26.7	27.7	28.0	27.0
97.5°	29.7	29.5	29.2	29.2	28.7	27.0	25.0	23.7	24.2	23.9	23.2
100°	23.2	23.7	24.5	25.0	24.7	23.4	21.9	20.9	21.2	20.2	19.4
102.5°	18.2	19.2	20.4	21.2	21.2	20.2	19.4	18.4	17.6	16.4	16.1
105°	14.4	15.1	16.9	18.2	18.2	17.6	16.9	15.6	14.9	13.4	13.4
107.5°	11.3	12.4	14.4	15.4	15.6	15.1	14.6	13.6	12.4	10.8	10.8
110°	9.1	9.8	12.1	13.1	13.4	13.1	12.6	11.3	10.1	9.1	9.1



REPORT NUMBER: P414149

CATALOG NUMBER: LXF.LXT-PA1-20-727-U-SL3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.6	8.3	10.1	11.1	11.6	11.3	10.8	9.6	8.3	7.6	7.6
115°	6.6	7.3	8.6	9.6	9.8	9.8	9.1	8.3	6.8	6.6	6.6
117.5°	5.8	6.3	7.6	8.3	8.8	8.6	7.8	7.1	6.1	5.8	5.8
120°	5.3	5.8	6.8	7.6	7.6	7.3	6.8	6.1	5.3	5.0	5.3
122.5°	4.8	5.3	6.1	6.6	6.6	6.6	6.1	5.3	4.5	4.5	4.8
125°	4.5	4.8	5.5	5.8	6.1	5.8	5.3	4.5	4.0	4.3	4.3
127.5°	4.3	4.5	5.0	5.3	5.3	5.0	4.5	4.0	3.5	3.8	4.0
130°	4.0	4.3	4.5	4.8	4.8	4.5	4.0	3.5	3.3	3.5	3.5
132.5°	3.5	3.8	4.0	4.3	4.0	4.0	3.5	3.0	3.0	3.3	3.3
135°	3.3	3.5	3.5	3.8	3.5	3.5	3.0	2.8	2.8	3.0	3.0
137.5°	3.0	3.3	3.3	3.3	3.0	3.0	2.8	2.5	2.5	2.5	2.8
140°	2.8	2.8	2.8	2.8	2.5	2.5	2.3	2.0	2.3	2.3	2.3
142.5°	2.5	2.5	2.5	2.3	2.3	2.0	1.8	1.8	2.0	2.0	2.0
145°	2.0	2.0	2.0	1.8	1.8	1.5	1.5	1.5	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.5	1.3	1.3	1.3	1.3	1.5	1.5	1.5
150°	1.5	1.5	1.5	1.3	1.0	1.0	0.8	1.0	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	1.3	1.0	0.5	0.8	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.3	1.0	0.8	0.3	0.5	0.8	0.8	0.8	0.8
157.5°	1.0	1.0	1.0	0.8	0.5	0.3	0.5	0.5	0.8	0.5	0.8
160°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.5	0.5	0.5
162.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.5	0.3	0.3	0.3
165°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
167.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
170°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
172.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
175°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
177.5°	0.8	0.8	0.8	0.8	0.5	0.3	0.3	0.3	0.3	0.3	0.3
180°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5

(END OF REPORT)