

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: P414846

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2704 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U3 - G2

Input Watts (W): 31
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

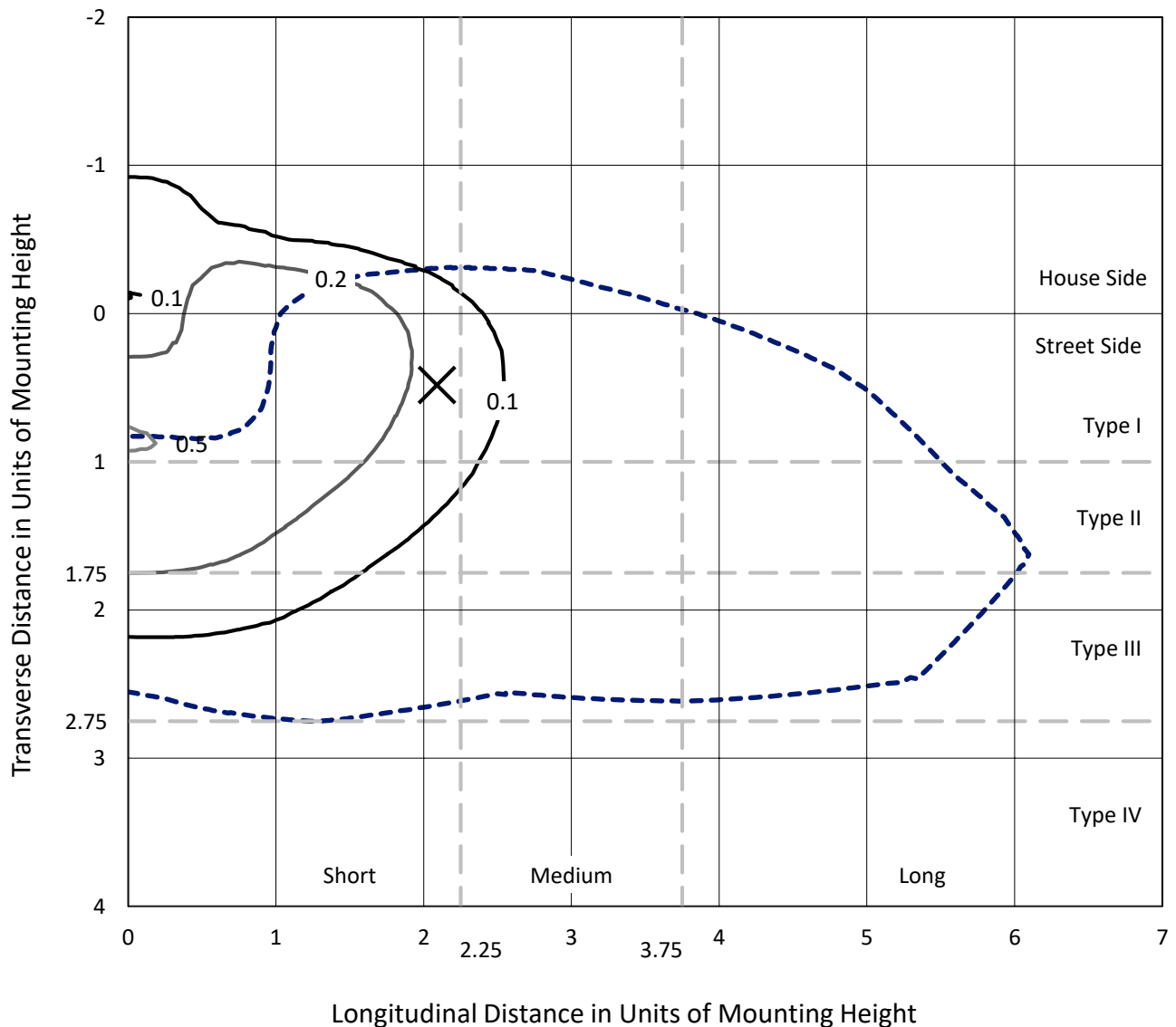


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

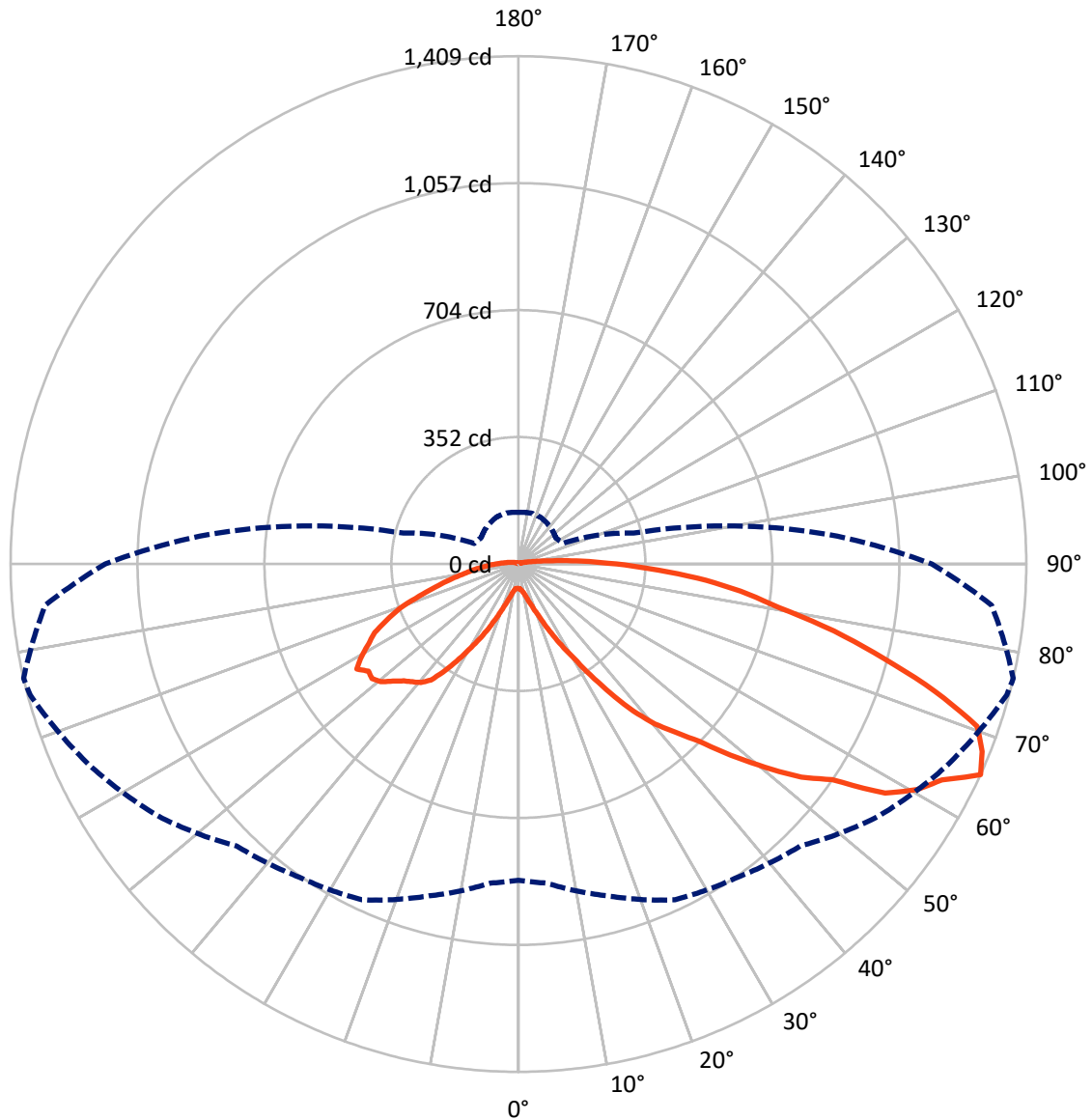


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



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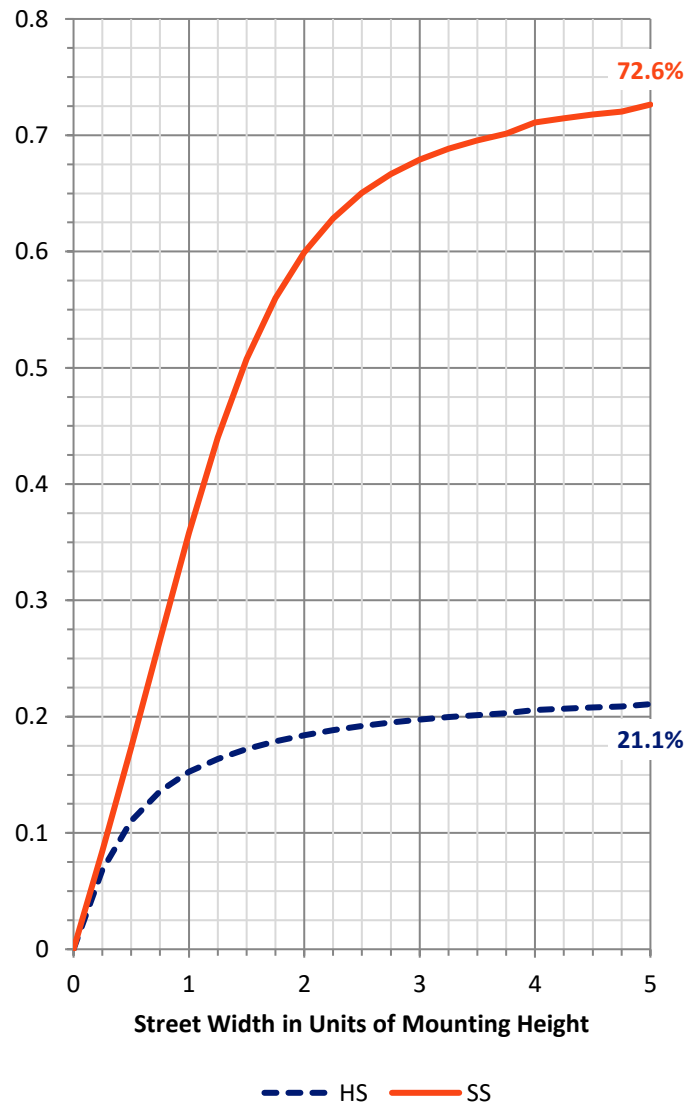
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	595.8	42.4	638.2
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2012.8	53.0	2065.8
	% Fixture	74.4	2.0	76.4
Total	Lumens	2608.7	95.3	2704.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.3
10°-20°	29.6	1.1
20°-30°	86.8	3.2
30°-40°	207.8	7.7
40°-50°	374.1	13.8
50°-60°	569.0	21.0
60°-70°	671.2	24.8
70°-80°	462.6	17.1
80°-90°	200.6	7.4
90°-100°	58.5	2.2
100°-110°	18.3	0.7
110°-120°	8.6	0.3
120°-130°	5.0	0.2
130°-140°	3.1	0.1
140°-150°	1.3	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2608.7	96.5
0°-180°	2704.0	100.0



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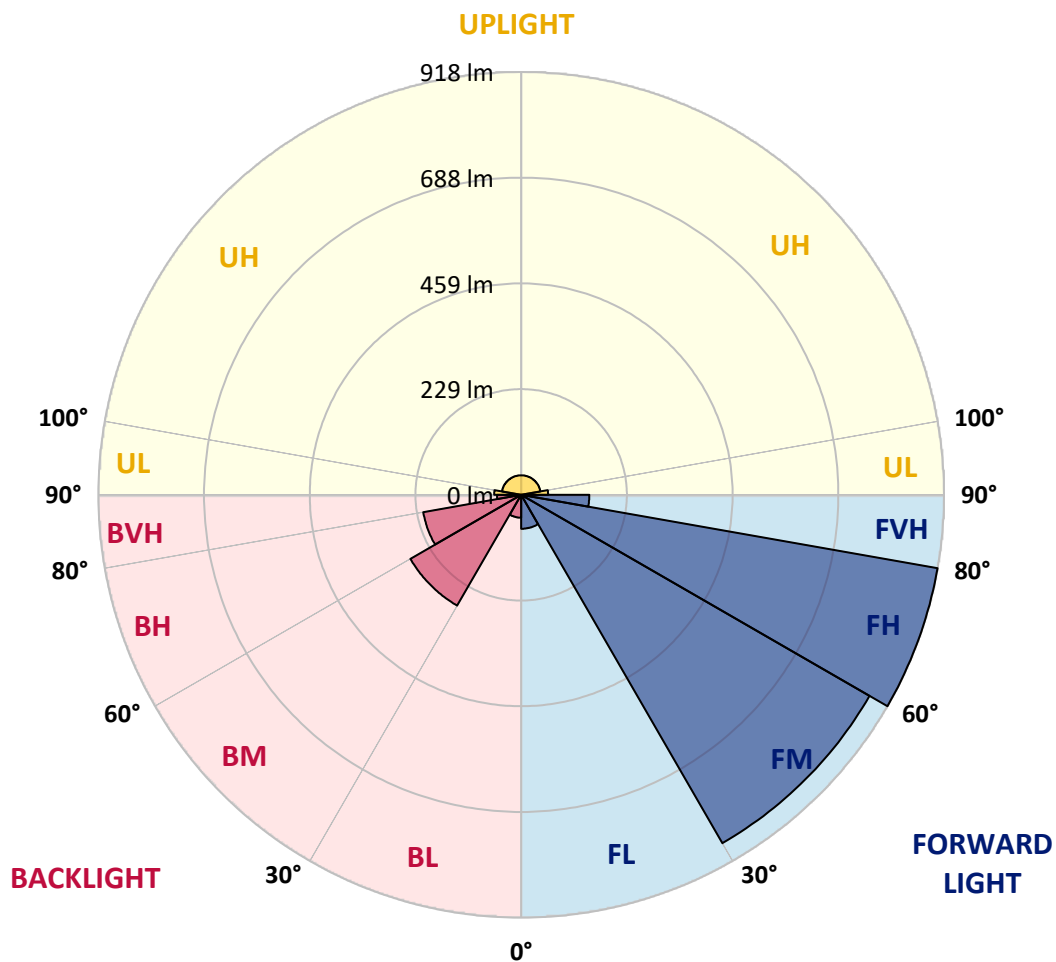
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.7	2.7			
FM	(30°-60°)	873.2	32.3			
FH	(60°-80°)	918.0	33.9			G1/1800
FVH	(80°-90°)	148.0	5.5			G2/225
BL	(0°-30°)	49.7	1.8	B0/110		
BM	(30°-60°)	277.7	10.3	B1/1000		
BH	(60°-80°)	215.9	8.0	B1/500		G1/500
BVH	(80°-90°)	52.6	1.9			G1/100
UL	(90°-100°)	58.5	2.2		U3/500	
UH	(100°-180°)	42.4	1.6		U2/50	

BUG Rating: B1-U3-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
2.5°	73.0	72.7	72.7	73.0	72.4	71.8	70.9	69.9	69.0	69.0	68.4
5°	78.9	78.6	78.6	78.6	77.4	76.5	74.3	73.0	71.8	71.2	70.2
7.5°	86.7	85.8	86.1	85.8	83.9	82.1	79.9	77.4	75.8	75.5	73.7
10°	97.0	96.4	95.7	94.5	92.6	89.5	86.4	84.2	82.1	81.7	79.6
12.5°	111.6	111.0	109.7	106.9	102.9	99.2	96.0	93.6	92.3	91.7	89.5
15°	129.3	127.4	126.8	122.5	116.9	112.5	109.1	107.5	106.3	106.3	103.5
17.5°	150.1	150.1	147.0	141.1	134.0	128.7	125.3	122.5	123.4	123.1	121.5
20°	175.9	175.3	170.6	162.9	154.2	149.2	144.8	143.3	144.5	145.8	145.8
22.5°	213.2	211.7	204.5	192.7	180.0	171.9	168.8	168.5	173.4	175.0	176.9
25°	255.2	253.0	244.0	229.7	213.8	201.4	197.1	200.5	209.5	212.9	216.6
27.5°	305.8	304.6	290.9	271.3	252.4	236.2	231.2	241.8	253.9	255.2	262.6
30°	371.1	371.7	353.1	324.8	292.5	275.7	270.1	282.8	300.9	302.1	317.0
32.5°	446.6	446.6	418.7	384.5	342.8	319.2	313.9	334.4	362.7	367.1	381.4
35°	543.0	537.4	501.7	452.5	400.3	365.2	364.6	396.6	435.5	439.8	455.3
37.5°	629.4	632.8	596.5	532.4	461.9	421.5	426.8	467.5	516.6	517.8	534.6
40°	723.0	726.7	683.8	617.0	530.3	484.9	495.4	533.4	582.2	583.1	589.0
42.5°	796.3	805.9	765.9	696.2	608.6	557.0	559.5	594.9	632.5	637.2	641.2
45°	840.1	847.3	825.2	769.6	677.6	629.1	623.2	652.1	701.2	700.0	705.9
47.5°	909.1	917.5	883.7	833.0	755.3	695.3	687.8	725.4	785.7	792.0	786.4
50°	980.6	991.8	967.3	908.2	828.0	769.6	770.5	813.4	883.7	885.8	889.2
52.5°	1030.7	1038.7	1029.1	988.1	902.9	849.8	858.2	909.4	978.5	982.5	968.8
55°	1038.4	1050.9	1058.6	1049.3	985.0	932.4	953.9	1005.2	1051.8	1055.2	1044.7
57.5°	1036.0	1046.2	1062.7	1069.8	1037.5	1017.6	1045.3	1097.8	1187.6	1199.1	1193.8
60°	1033.2	1040.6	1074.8	1085.4	1067.0	1082.9	1127.0	1220.6	1270.0	1270.9	1222.8
62.5°	955.4	967.9	1032.2	1085.4	1080.4	1110.5	1207.2	1272.2	1311.3	1318.5	1272.5
65°	877.4	888.3	953.0	1027.6	1060.5	1105.9	1219.6	1315.4	1402.4	1408.9	1317.9
67.5°	764.6	781.7	852.3	942.1	982.5	1054.9	1187.0	1330.6	1384.7	1387.5	1283.4
70°	622.9	646.2	725.8	820.6	869.0	942.4	1114.0	1276.2	1351.7	1350.2	1226.2
72.5°	448.8	469.6	542.4	654.9	730.7	810.9	980.3	1168.0	1210.9	1209.4	1043.1
75°	304.9	316.1	370.8	473.7	582.8	677.0	844.5	1013.3	1049.6	1046.8	893.6
77.5°	199.9	212.6	248.0	336.0	437.6	546.1	709.0	848.2	905.4	895.2	757.5
80°	122.5	129.6	158.8	226.9	331.6	440.7	586.2	717.7	747.2	732.3	618.5
82.5°	76.5	82.1	102.9	149.8	238.1	340.3	480.8	604.2	637.2	620.4	508.8
85°	46.9	49.7	64.0	98.5	161.6	250.2	386.7	490.2	510.4	498.2	383.5
87.5°	34.2	34.8	43.8	66.5	109.1	179.0	284.7	369.2	383.9	361.5	268.9
90°	25.2	26.4	32.3	46.9	75.8	121.5	196.1	259.8	263.6	249.9	179.7
92.5°	19.0	19.6	24.2	33.3	52.2	83.0	130.9	174.1	170.6	161.0	111.6
95°	13.7	14.0	17.4	23.6	36.7	55.6	83.3	109.1	98.2	94.2	67.8
97.5°	11.2	11.5	14.0	18.3	27.0	39.2	53.8	65.0	57.8	55.3	43.5
100°	9.6	9.6	11.8	15.2	21.1	29.2	35.7	40.7	37.3	36.1	30.8
102.5°	8.7	8.7	10.3	12.7	17.4	23.0	26.4	28.0	26.1	25.2	22.7
105°	7.8	7.8	9.0	10.9	14.6	18.6	20.2	20.5	18.6	18.3	17.4
107.5°	7.1	7.1	8.1	9.6	12.4	15.5	16.2	15.2	14.3	13.7	13.7
110°	6.2	6.5	7.1	8.4	10.9	13.1	13.1	11.8	10.6	10.6	10.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	5.9	5.9	6.5	7.8	9.6	11.2	10.6	9.3	8.4	8.4	9.0
115°	5.3	5.3	5.9	7.1	8.7	9.6	9.0	7.8	6.8	7.1	7.8
117.5°	5.0	5.0	5.6	6.5	7.8	8.4	7.8	6.5	5.9	6.2	7.1
120°	5.0	5.0	5.6	6.2	7.1	7.5	6.8	5.6	5.3	5.3	6.2
122.5°	5.0	5.0	5.3	6.2	6.8	6.8	5.9	5.0	4.7	4.7	5.6
125°	5.0	5.0	5.6	6.2	6.2	6.2	5.3	4.4	4.0	4.4	5.0
127.5°	5.3	5.3	5.6	5.9	5.9	5.6	4.7	4.0	3.7	4.0	4.7
130°	5.3	5.3	5.6	5.9	5.6	5.0	4.4	3.7	3.7	3.7	4.7
132.5°	5.3	5.3	5.6	5.6	5.3	4.4	3.7	3.1	3.4	3.7	4.4
135°	5.0	5.0	5.0	5.0	4.7	4.0	3.1	2.8	3.1	3.4	4.0
137.5°	4.7	4.7	4.7	4.7	4.0	3.4	2.5	2.2	2.8	2.8	3.4
140°	4.0	4.0	4.4	4.0	3.7	2.8	2.2	1.6	2.2	2.2	2.8
142.5°	3.7	3.7	3.7	3.7	3.1	2.5	1.6	1.6	1.9	1.9	2.2
145°	3.1	3.1	3.4	3.1	2.5	1.9	1.2	1.2	1.6	1.6	1.9
147.5°	2.5	2.8	2.8	2.5	2.2	1.6	0.9	0.9	1.2	1.2	1.6
150°	2.2	2.2	2.2	2.2	1.6	0.9	0.6	0.9	1.2	1.2	1.2
152.5°	1.6	1.6	1.9	1.9	1.2	0.6	0.6	0.9	0.9	0.9	1.2
155°	1.2	1.2	1.6	1.2	0.9	0.3	0.6	0.6	0.9	0.9	0.9
157.5°	0.6	0.6	0.9	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.9
160°	0.3	0.3	0.9	0.9	0.6	0.3	0.3	0.3	0.6	0.6	0.6
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°	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
2.5°	68.1	67.4	67.1	66.5	65.9	65.3	65.3	65.3	65.0	64.6	65.0
5°	69.3	69.0	67.4	66.2	65.0	64.3	63.7	63.4	63.4	62.8	62.8
7.5°	72.7	71.5	69.3	67.1	65.9	64.6	63.7	63.4	63.1	62.5	62.5
10°	78.0	76.5	74.0	70.6	68.4	66.2	65.3	65.3	65.0	64.6	64.6
12.5°	88.0	86.1	81.7	77.1	72.7	69.6	69.0	69.9	71.8	72.1	72.1
15°	102.6	100.4	94.8	87.3	80.5	76.2	76.8	79.3	81.7	82.7	82.7
17.5°	120.6	118.1	110.0	99.2	90.1	86.1	85.8	89.2	92.6	94.5	94.5
20°	144.8	140.8	130.2	114.7	102.3	97.6	95.7	98.8	104.1	106.3	105.7
22.5°	175.0	170.3	155.4	131.8	116.2	107.9	105.4	108.8	115.3	118.1	117.8
25°	214.8	210.1	185.9	153.2	129.9	116.9	115.3	120.3	129.9	135.5	134.9
27.5°	261.1	253.3	221.0	177.2	143.3	124.3	124.6	133.0	143.0	149.2	148.6
30°	310.5	300.6	256.4	200.2	155.7	132.7	132.1	142.0	152.3	158.8	158.8
32.5°	375.8	361.2	297.5	222.2	165.4	139.2	137.1	148.3	158.8	165.7	165.4
35°	445.7	426.1	340.3	245.5	173.4	142.7	140.2	151.7	162.6	170.6	170.6
37.5°	525.9	492.6	380.4	261.7	179.0	144.5	141.1	154.2	167.5	175.9	175.3
40°	568.2	530.9	399.7	268.9	180.0	144.8	142.7	156.3	167.5	170.6	169.1
42.5°	615.4	567.2	407.8	260.2	176.5	144.2	143.6	154.2	159.1	158.2	157.3
45°	675.1	610.1	415.6	249.3	168.5	143.3	142.0	148.3	148.6	144.8	143.6
47.5°	751.2	669.2	428.3	236.2	160.4	141.1	139.6	142.4	137.1	130.2	128.1
50°	833.0	737.6	444.2	225.0	152.9	138.3	136.8	135.8	130.5	123.7	122.5
52.5°	904.2	783.9	448.5	213.2	147.9	136.4	134.6	133.7	128.7	120.9	119.4
55°	967.9	823.4	433.3	195.5	143.9	135.2	134.6	134.6	129.3	121.2	119.7
57.5°	1093.8	917.8	438.9	177.5	138.6	134.9	135.8	136.1	131.2	123.4	121.8
60°	1097.5	899.8	406.2	164.7	134.0	134.9	137.1	137.7	134.3	129.0	128.1
62.5°	1133.2	900.4	362.4	148.3	130.9	134.3	138.0	140.2	140.5	137.4	136.8
65°	1146.3	887.4	330.7	135.2	126.5	132.7	138.3	143.6	145.5	143.9	143.3
67.5°	1096.2	827.4	287.5	126.5	122.2	130.2	138.0	144.5	148.6	149.5	149.5
70°	1030.4	759.9	249.0	118.1	117.5	126.8	135.8	144.5	150.1	152.6	152.6
72.5°	863.1	624.1	205.4	109.4	111.3	121.5	131.2	141.7	147.9	150.1	149.2
75°	722.0	513.8	169.1	101.9	105.1	115.0	124.6	134.9	139.2	140.5	139.6
77.5°	610.8	427.4	138.9	95.1	97.6	106.6	115.3	122.5	125.3	124.6	123.1
80°	492.3	333.5	114.1	86.7	89.2	96.4	102.6	108.2	111.0	109.4	108.5
82.5°	391.9	265.1	97.3	79.3	80.2	86.1	90.4	94.8	99.5	98.2	95.7
85°	290.0	195.2	82.7	71.2	71.2	75.5	77.7	81.7	88.3	88.0	87.0
87.5°	198.3	138.9	70.2	63.1	62.8	65.3	66.5	70.9	79.3	79.6	78.6
90°	130.5	95.1	58.7	54.7	54.1	55.9	56.9	60.6	67.4	68.1	66.8
92.5°	84.9	65.9	48.2	46.3	46.0	47.6	47.2	49.7	54.4	54.1	53.1
95°	54.4	46.0	39.2	38.2	37.3	39.2	38.5	39.2	41.6	41.0	41.0
97.5°	37.6	35.1	32.3	30.8	30.1	32.0	31.4	31.4	32.6	31.4	30.8
100°	28.9	28.0	26.7	25.5	24.2	25.8	25.8	25.8	26.7	24.9	24.2
102.5°	22.4	22.1	22.1	21.1	20.2	21.4	21.8	22.1	21.8	19.9	19.6
105°	17.7	17.7	18.3	17.4	17.1	18.0	18.3	18.0	18.0	16.5	16.5
107.5°	14.0	14.6	15.2	14.6	14.6	15.2	15.2	15.2	14.6	13.7	14.0
110°	11.5	12.1	13.1	12.4	12.4	13.1	12.7	12.4	12.1	11.8	11.8



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.9	10.3	10.9	10.6	10.9	11.2	10.9	10.3	10.3	10.3	10.6
115°	8.4	9.0	9.6	9.3	9.3	9.6	9.0	8.7	8.7	9.0	9.0
117.5°	7.5	8.1	8.4	8.4	8.1	8.4	7.8	7.5	7.8	8.1	8.1
120°	6.8	7.1	7.5	7.5	7.1	7.1	6.8	6.5	6.8	7.1	7.5
122.5°	6.2	6.5	6.5	6.8	6.5	6.2	5.9	5.9	6.2	6.5	6.5
125°	5.6	5.9	5.9	5.9	5.9	5.6	5.3	5.3	5.6	5.9	6.2
127.5°	5.0	5.3	5.3	5.6	5.3	5.0	4.7	5.0	5.3	5.6	5.6
130°	5.0	5.0	5.0	5.0	4.7	4.4	4.4	4.4	5.0	5.3	5.3
132.5°	4.7	5.0	4.7	4.7	4.4	3.7	3.7	4.0	4.7	5.0	5.0
135°	4.4	4.4	4.0	4.0	3.7	3.4	3.1	3.7	4.0	4.4	4.4
137.5°	3.7	3.7	3.4	3.1	3.1	2.8	2.8	3.1	3.7	4.0	4.0
140°	2.8	3.1	2.8	2.5	2.5	2.2	2.5	2.8	3.4	3.4	3.4
142.5°	2.2	2.5	2.2	1.9	1.9	1.9	1.9	2.5	3.1	3.1	3.1
145°	1.9	1.9	1.9	1.6	1.2	1.2	1.6	2.2	2.8	2.8	2.8
147.5°	1.6	1.6	1.6	1.2	0.9	0.9	1.2	1.9	2.2	2.2	2.2
150°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	1.6	1.9	1.9	1.9
152.5°	1.2	1.2	1.2	0.9	0.6	0.3	0.6	1.2	1.6	1.6	1.6
155°	0.9	0.9	0.9	0.9	0.6	0.3	0.3	0.9	1.2	1.2	1.2
157.5°	0.9	0.9	0.9	0.6	0.3	0.0	0.3	0.9	1.2	0.9	0.9
160°	0.6	0.6	0.6	0.6	0.3	0.0	0.3	0.6	0.9	0.6	0.6
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)