

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: P414574

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414574
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2985 lumens
Efficiency: N/A
Efficacy: 96.3 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 - 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

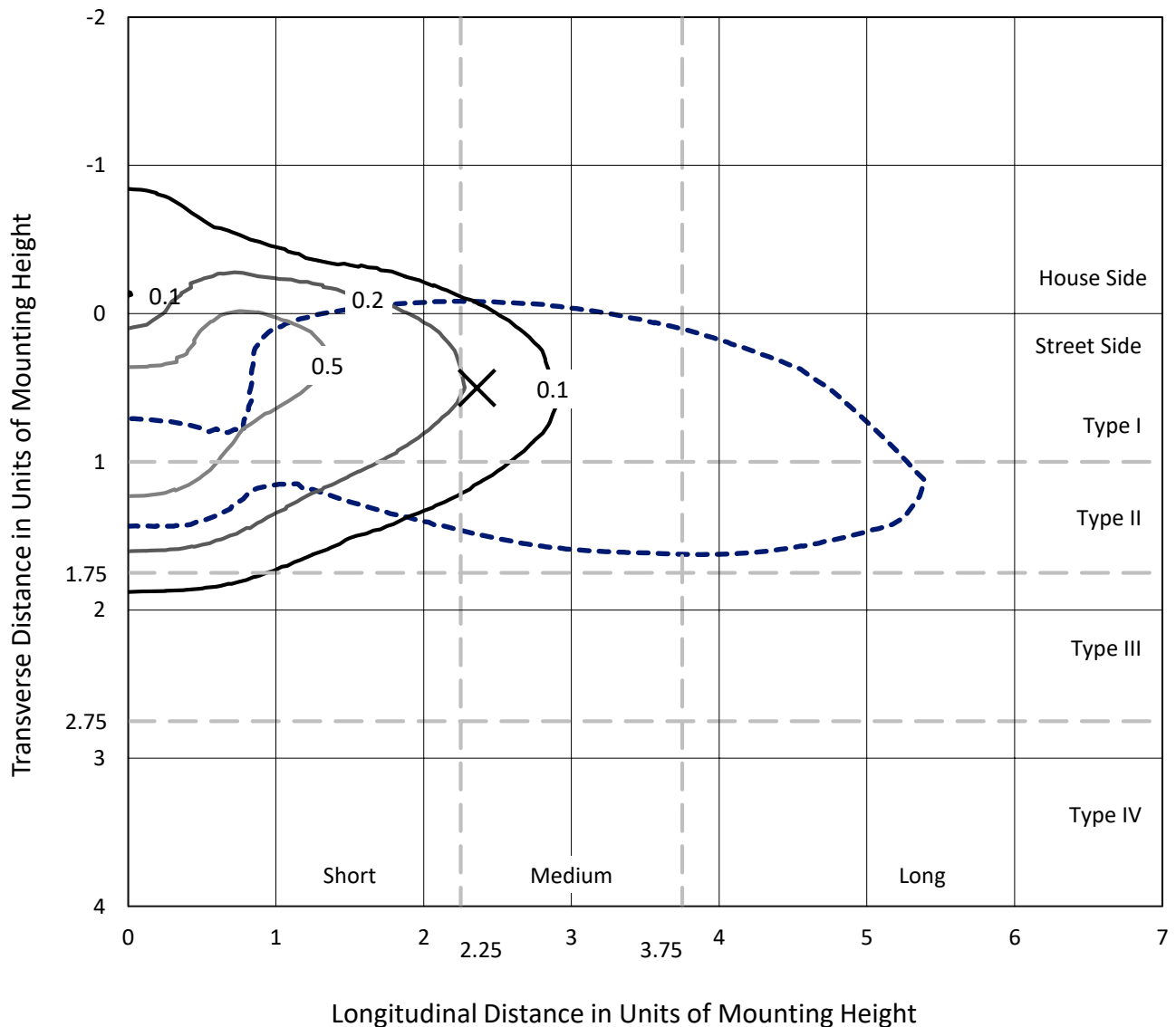


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

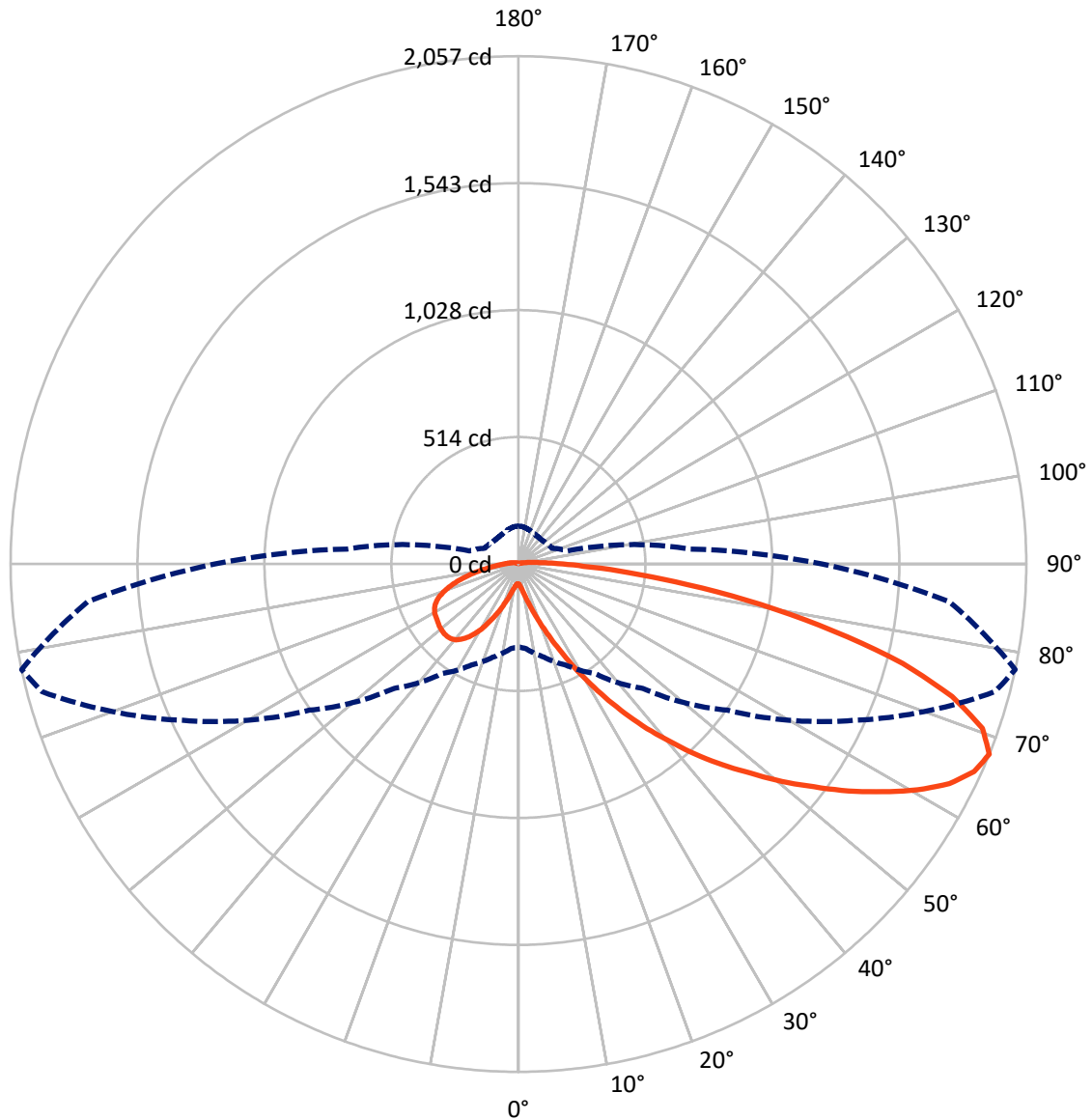


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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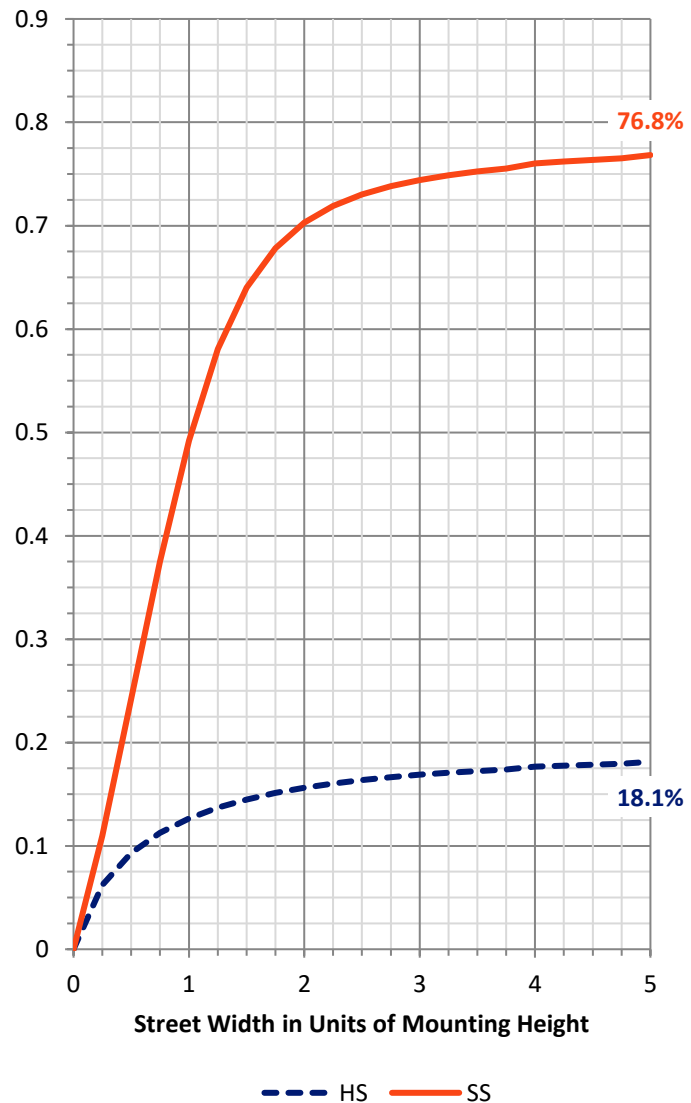
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	567.2	46.1	613.2
	% Fixture	19.0	1.5	20.5
Street Side	Lumens	2325.1	46.7	2371.8
	% Fixture	77.9	1.6	79.5
Total	Lumens	2892.3	92.7	2985.0
	% Fixture	96.9	3.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.3
10°-20°	46.4	1.6
20°-30°	141.3	4.7
30°-40°	316.1	10.6
40°-50°	520.9	17.5
50°-60°	641.1	21.5
60°-70°	621.8	20.8
70°-80°	430.6	14.4
80°-90°	164.8	5.5
90°-100°	47.3	1.6
100°-110°	20.5	0.7
110°-120°	11.1	0.4
120°-130°	6.9	0.2
130°-140°	4.2	0.1
140°-150°	2.1	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2892.3	96.9
0°-180°	2985.0	100.0



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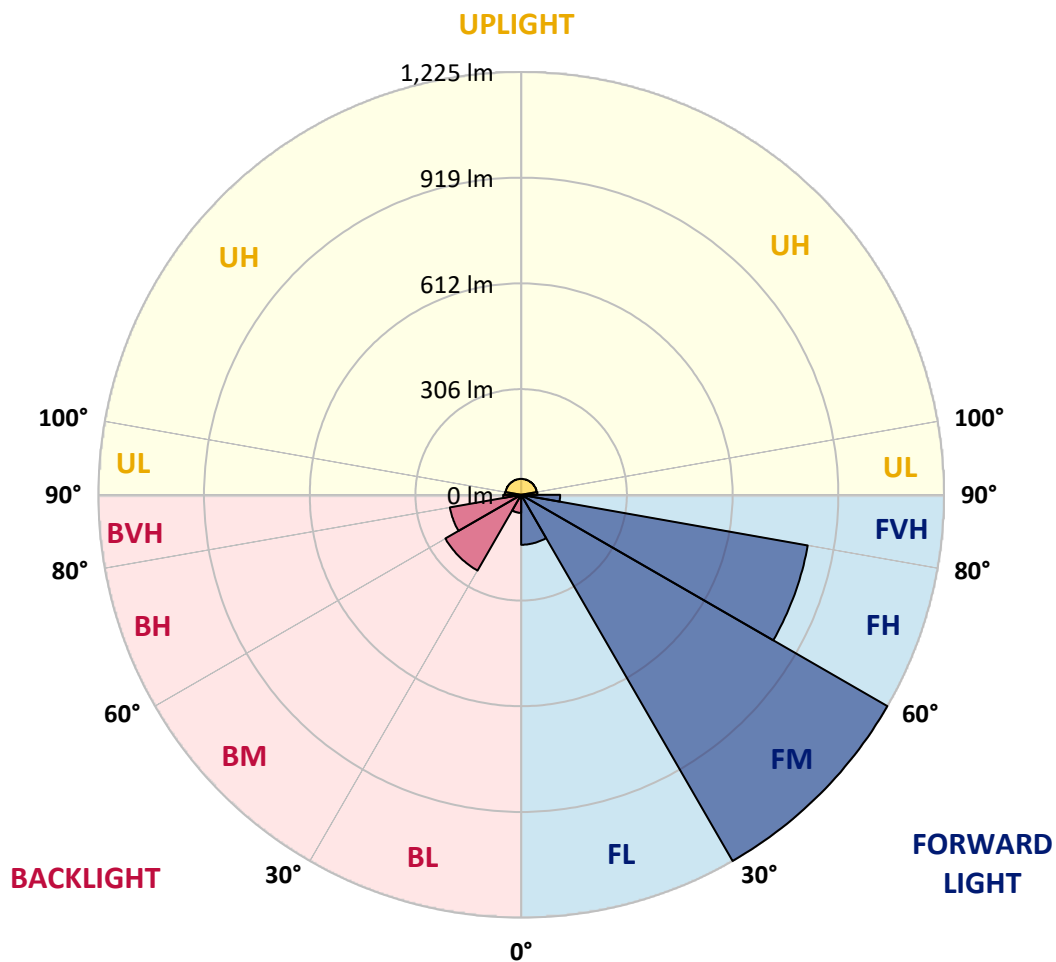
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.7	4.8			
FM	(30°-60°)	1224.8	41.0			
FH	(60°-80°)	842.8	28.2			G1/1800
FVH	(80°-90°)	112.8	3.8			G2/225
BL	(0°-30°)	52.2	1.7	B0/110		
BM	(30°-60°)	253.3	8.5	B1/1000		
BH	(60°-80°)	209.6	7.0	B1/500		G1/500
BVH	(80°-90°)	52.0	1.7			G1/100
UL	(90°-100°)	47.3	1.6		U2/50	
UH	(100°-180°)	46.1	1.5		U2/50	

BUG Rating: B1-U2-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2.5°	96.9	96.2	96.2	95.8	94.4	93.0	90.9	88.4	86.3	84.8	83.4
5°	117.7	115.3	116.0	113.8	111.4	108.5	104.6	99.3	94.4	93.3	89.4
7.5°	142.8	139.6	140.7	138.2	133.6	127.6	122.3	114.5	107.1	104.6	99.0
10°	174.6	171.5	169.7	166.2	160.9	153.1	144.9	134.7	124.4	120.9	113.8
12.5°	212.5	210.0	207.5	202.6	194.1	184.2	173.9	162.6	149.2	144.6	133.6
15°	259.5	257.4	252.1	245.4	233.0	222.0	206.5	196.2	179.6	173.9	160.5
17.5°	312.2	307.9	302.6	292.7	278.6	264.8	251.7	234.4	216.4	211.8	195.1
20°	377.2	375.8	365.6	348.9	333.4	314.6	301.9	284.9	264.8	258.4	236.5
22.5°	454.3	451.5	439.4	414.3	391.0	367.0	356.7	339.0	324.5	315.7	287.1
25°	546.9	541.6	521.8	491.8	458.5	429.9	412.9	406.6	395.2	381.8	346.8
27.5°	645.5	645.9	618.7	574.1	527.8	493.5	480.4	482.9	469.1	461.7	418.9
30°	767.5	758.7	723.0	668.2	605.6	561.4	553.6	566.0	562.1	547.6	497.1
32.5°	889.5	886.3	842.1	767.2	685.1	636.7	631.1	657.9	656.9	642.4	578.0
35°	1011.1	1007.6	952.8	865.4	768.2	712.7	707.8	743.1	755.8	741.4	669.2
37.5°	1133.4	1125.3	1070.1	964.1	847.1	782.4	784.5	829.0	858.7	845.6	757.3
40°	1241.2	1239.8	1175.5	1054.9	923.1	853.1	867.2	925.9	962.3	944.3	846.7
42.5°	1324.0	1318.0	1261.0	1130.2	991.3	919.2	943.6	1021.4	1068.0	1055.6	934.7
45°	1362.2	1358.6	1313.0	1187.2	1044.3	976.5	1015.0	1109.7	1173.4	1159.9	1025.2
47.5°	1351.9	1348.7	1324.0	1215.1	1079.3	1025.6	1077.9	1195.6	1284.0	1266.0	1115.4
50°	1290.4	1293.6	1285.8	1207.0	1091.7	1057.1	1137.7	1281.6	1392.2	1383.7	1202.4
52.5°	1178.0	1187.2	1199.5	1164.5	1080.4	1071.2	1180.8	1356.1	1499.7	1499.3	1298.9
55°	1032.0	1038.3	1081.5	1075.1	1037.3	1070.8	1212.6	1429.7	1620.6	1622.4	1398.6
57.5°	877.1	873.9	931.2	964.4	974.3	1043.6	1228.2	1494.7	1727.4	1739.7	1503.9
60°	707.8	719.4	773.2	841.1	878.2	989.9	1222.9	1540.7	1830.2	1857.5	1599.7
62.5°	575.2	569.9	628.9	702.8	778.1	912.8	1184.3	1562.3	1928.2	1958.6	1688.1
65°	434.5	445.4	498.8	564.2	653.7	815.6	1122.1	1550.9	1988.6	2027.5	1743.6
67.5°	335.1	343.6	389.2	450.8	542.0	712.4	1032.3	1498.3	1997.8	2056.8	1751.4
70°	259.1	265.9	298.0	350.3	437.3	598.5	906.1	1397.9	1947.6	1993.6	1680.0
72.5°	206.5	209.3	231.9	274.3	345.4	488.2	768.9	1240.2	1795.9	1836.9	1533.6
75°	162.3	166.5	184.9	216.7	269.7	390.3	628.6	1047.9	1565.1	1607.5	1331.8
77.5°	129.0	133.3	147.1	169.3	209.3	300.9	491.1	853.8	1277.7	1303.8	1060.9
80°	102.5	104.6	116.3	132.9	162.6	231.9	369.8	648.0	967.6	994.8	788.4
82.5°	77.8	79.5	91.2	105.7	126.9	175.7	267.3	455.7	681.6	689.0	535.2
85°	55.9	59.0	68.6	80.6	97.2	130.8	191.6	309.3	434.8	446.2	339.0
87.5°	39.6	41.0	50.6	61.9	74.2	96.9	133.3	203.6	267.6	264.4	205.8
90°	26.9	27.9	36.4	45.6	56.6	72.5	93.0	128.0	164.4	159.1	129.0
92.5°	18.0	19.8	26.9	34.6	44.2	55.9	66.1	83.8	101.8	96.9	82.0
95°	13.4	14.1	20.5	27.6	35.4	42.8	49.1	57.3	65.0	63.6	56.6
97.5°	10.6	11.3	16.6	22.6	28.6	34.6	38.2	41.0	45.3	44.9	40.7
100°	9.2	9.5	14.1	19.4	24.7	29.0	31.1	31.8	33.2	32.5	31.1
102.5°	7.8	8.5	12.4	17.0	21.6	24.7	26.2	25.5	25.1	24.4	23.0
105°	7.1	7.4	11.0	15.2	19.1	21.6	21.9	20.9	19.1	18.7	18.0
107.5°	6.7	7.1	9.9	13.8	17.0	19.1	18.7	17.3	15.2	14.5	14.1
110°	6.4	6.7	9.2	12.4	15.6	17.0	16.6	14.5	12.0	11.3	11.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
112.5°	6.4	6.4	8.5	11.3	14.1	15.2	14.5	12.4	9.9	9.5	9.9
115°	6.0	6.4	8.1	10.6	12.7	13.8	12.7	10.6	8.5	8.1	8.5
117.5°	6.0	6.4	7.8	9.9	12.0	12.4	11.3	9.2	7.1	7.1	7.8
120°	6.0	6.4	7.4	9.2	11.0	11.3	10.3	8.1	6.4	6.4	7.1
122.5°	6.4	6.4	7.1	8.8	10.3	10.6	9.2	7.1	6.0	6.0	6.7
125°	6.4	6.4	7.1	8.1	9.5	9.5	8.5	6.4	5.3	5.3	6.4
127.5°	6.4	6.4	7.1	7.8	8.8	8.8	7.8	6.0	4.9	4.9	6.0
130°	6.4	6.7	6.7	7.4	8.1	8.1	7.1	5.3	4.9	4.9	5.7
132.5°	6.7	6.7	6.7	7.1	7.8	7.4	6.0	4.9	4.6	4.6	5.3
135°	6.4	6.4	6.4	6.7	7.1	6.7	5.3	4.2	4.2	4.6	4.9
137.5°	6.4	6.4	6.4	6.0	6.4	6.0	4.9	3.9	3.9	4.2	4.6
140°	5.7	6.0	5.7	5.7	5.7	5.3	4.2	3.2	3.5	3.9	3.9
142.5°	5.3	5.3	5.3	4.9	4.9	4.6	3.5	2.8	3.2	3.2	3.5
145°	4.9	4.9	4.6	4.2	4.2	3.5	2.8	2.5	2.8	2.8	3.2
147.5°	4.2	4.2	4.2	3.5	3.2	2.8	1.8	1.8	2.1	2.5	2.5
150°	3.5	3.5	3.5	3.2	2.5	2.1	1.4	1.8	1.8	1.8	2.1
152.5°	2.8	2.8	2.8	2.5	2.1	1.4	1.1	1.4	1.4	1.4	1.8
155°	1.8	1.8	1.8	1.8	1.4	0.7	1.1	1.1	1.4	1.4	1.4
157.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.7	1.1	1.1	1.1	1.1
160°	0.4	0.4	0.7	0.7	1.1	0.7	0.7	0.7	0.7	0.7	0.7
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°	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
2.5°	82.4	81.3	79.5	77.8	76.0	74.2	72.8	72.5	71.4	71.4	71.1
5°	87.3	85.6	81.0	77.4	73.5	70.4	67.9	66.8	65.8	65.0	65.0
7.5°	96.2	92.3	85.6	79.5	74.2	69.6	66.5	64.7	63.3	62.6	62.6
10°	108.2	103.2	93.0	84.1	76.4	70.7	67.2	65.0	64.0	63.3	62.9
12.5°	125.9	118.8	103.9	91.2	81.3	74.2	69.6	68.2	68.6	68.6	68.6
15°	149.9	139.6	119.5	102.2	88.0	78.8	75.7	75.7	76.7	77.1	76.4
17.5°	181.0	167.2	138.9	113.1	96.5	87.0	83.4	83.4	85.2	86.3	86.3
20°	219.2	199.4	159.4	127.6	106.4	96.2	91.9	92.3	94.4	95.8	95.8
22.5°	263.0	239.7	185.6	142.5	117.4	104.3	99.7	100.0	103.6	105.4	106.1
25°	319.9	283.9	211.8	157.7	127.6	112.1	107.5	107.8	112.4	114.9	114.9
27.5°	380.0	333.0	238.3	172.5	136.5	119.1	114.5	115.6	120.6	122.7	123.4
30°	444.0	385.3	264.8	185.3	143.5	124.4	119.8	122.0	126.6	129.7	130.1
32.5°	515.1	436.6	286.0	195.5	149.5	129.0	124.4	127.6	131.5	135.0	135.4
35°	589.3	487.5	304.7	202.6	153.4	132.9	128.0	131.2	135.0	138.2	137.9
37.5°	655.8	529.2	317.1	205.4	155.6	135.0	130.5	133.6	137.2	139.6	139.6
40°	721.2	572.7	323.1	203.3	155.6	136.1	131.5	135.0	138.2	139.6	139.6
42.5°	783.4	604.9	322.1	199.0	154.8	136.5	132.2	135.4	138.2	138.9	138.9
45°	837.2	634.6	315.7	192.0	152.4	136.1	132.6	135.4	137.5	137.5	137.9
47.5°	900.8	657.9	306.5	184.5	149.5	135.4	131.9	135.0	136.8	136.8	136.5
50°	958.1	680.5	294.1	176.4	147.1	134.7	131.5	134.7	136.8	136.1	136.1
52.5°	1018.9	700.7	281.4	169.0	144.6	134.3	131.5	134.7	136.8	136.5	136.8
55°	1075.1	720.9	265.5	162.3	143.2	134.0	131.9	135.0	137.9	137.9	137.5
57.5°	1147.2	731.5	253.1	157.7	141.8	134.0	132.2	135.8	139.3	139.6	140.0
60°	1198.1	745.2	242.9	154.8	141.8	134.7	133.3	136.8	141.4	143.2	144.2
62.5°	1235.2	744.5	230.5	153.4	142.1	135.4	134.3	137.9	143.9	146.4	147.8
65°	1254.7	731.8	217.8	152.4	142.5	136.1	135.0	138.6	145.7	150.3	151.7
67.5°	1229.2	697.5	204.7	150.6	142.1	135.8	135.4	139.3	146.7	152.7	153.4
70°	1167.4	639.5	189.1	146.7	140.7	134.7	134.3	137.5	145.7	152.7	153.4
72.5°	1050.0	566.0	171.1	141.1	137.5	132.2	131.2	134.3	142.1	149.2	149.2
75°	893.0	480.8	153.4	132.9	131.2	128.0	126.9	128.7	135.4	142.1	142.5
77.5°	699.3	382.9	134.7	121.6	123.4	120.9	119.8	120.9	126.9	131.5	131.9
80°	532.1	291.7	116.7	108.2	112.4	111.7	110.7	110.3	114.5	118.1	117.0
82.5°	367.0	207.5	96.5	94.0	98.6	99.7	99.3	96.9	100.0	102.9	101.1
85°	236.9	146.7	80.6	79.5	83.8	85.6	85.2	83.4	84.1	87.3	83.8
87.5°	153.1	105.4	66.5	65.8	69.3	71.4	71.4	67.9	69.3	72.5	68.6
90°	95.8	74.6	55.5	55.2	57.6	58.7	57.3	55.2	55.9	57.6	56.2
92.5°	67.9	56.2	46.3	46.3	47.0	47.7	47.0	44.5	46.0	46.0	46.0
95°	49.5	44.5	40.3	39.6	39.2	38.9	38.5	36.8	38.2	37.8	36.8
97.5°	37.8	35.7	34.3	33.9	33.2	32.9	32.5	31.1	32.2	31.5	30.8
100°	29.7	29.3	29.3	29.3	28.6	27.6	27.6	27.2	27.2	26.2	26.2
102.5°	23.7	23.7	25.1	25.5	24.7	24.0	24.0	23.7	23.3	21.9	21.6
105°	18.7	19.4	21.6	21.9	21.6	20.9	20.5	20.5	19.8	18.0	18.0
107.5°	15.2	15.9	18.4	19.1	18.7	18.4	18.0	17.7	17.0	15.2	15.2
110°	12.4	13.4	15.6	16.6	16.3	15.9	15.9	15.2	14.5	13.1	13.1



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.6	11.7	13.4	14.5	14.5	14.1	13.8	13.4	12.4	11.3	11.3
115°	9.2	10.3	12.0	12.7	12.7	12.4	12.0	11.7	10.6	9.9	10.3
117.5°	8.5	9.2	10.6	11.3	11.3	11.0	10.6	10.3	9.5	9.2	9.2
120°	7.8	8.5	9.5	10.3	10.3	9.9	9.5	9.2	8.5	8.5	8.5
122.5°	7.1	7.8	8.8	9.2	9.2	8.8	8.5	8.1	7.4	7.8	7.8
125°	6.7	7.1	7.8	8.5	8.5	8.1	7.8	7.1	6.7	7.1	7.1
127.5°	6.4	6.7	7.4	7.8	7.8	7.4	6.7	6.4	6.0	6.4	6.4
130°	6.0	6.4	6.7	7.1	7.1	6.4	6.0	5.7	5.7	6.0	6.0
132.5°	5.7	6.0	6.0	6.4	6.4	6.0	5.3	4.9	4.9	5.3	5.3
135°	5.3	5.3	5.7	5.7	5.7	5.3	4.6	4.2	4.6	4.9	4.9
137.5°	4.6	4.9	4.9	5.3	4.9	4.6	3.9	3.9	4.2	4.2	4.2
140°	4.2	4.2	4.6	4.6	4.2	3.9	3.5	3.2	3.5	3.9	3.9
142.5°	3.9	3.9	3.9	3.9	3.9	3.2	2.8	2.8	3.2	3.2	3.2
145°	3.2	3.2	3.5	3.2	3.2	2.5	2.1	2.5	2.8	2.8	2.8
147.5°	2.5	2.8	2.8	2.8	2.5	1.8	1.4	2.1	2.5	2.5	2.5
150°	2.1	2.1	2.1	2.1	2.1	1.4	1.1	1.8	2.1	2.1	2.1
152.5°	1.8	1.8	2.1	2.1	1.8	1.1	0.7	1.4	1.8	1.8	1.4
155°	1.4	1.4	1.8	1.8	1.4	0.7	0.7	1.1	1.4	1.4	1.1
157.5°	1.1	1.4	1.4	1.4	1.1	0.7	0.4	0.7	1.1	1.1	1.1
160°	1.1	1.1	1.1	1.4	1.1	0.7	0.4	0.7	1.1	0.7	0.7
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)