

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: P414586

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T3-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414586
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-PA1-30-727-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 3076 lumens
Efficiency: N/A
Efficacy: 99.2 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 (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

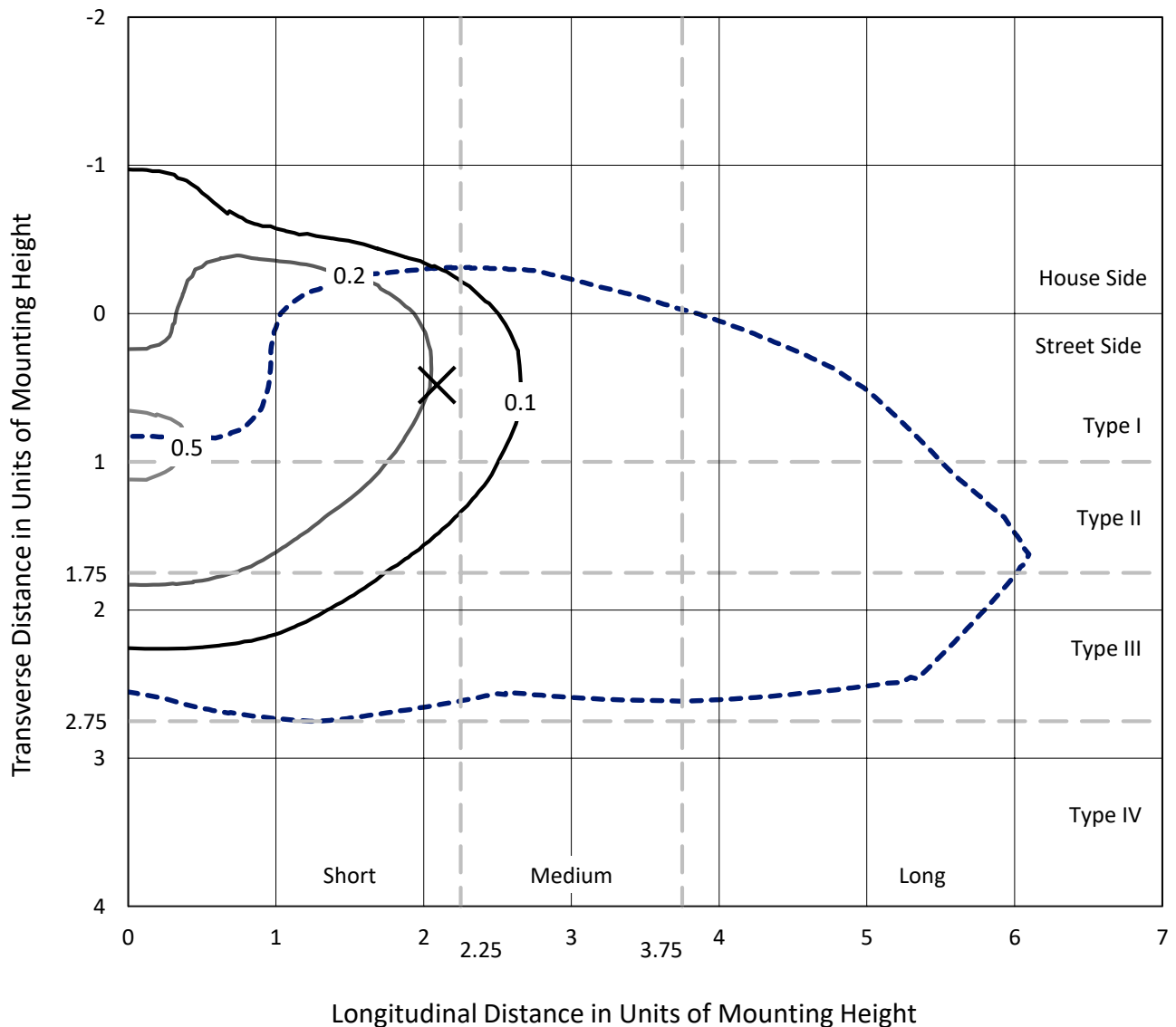


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

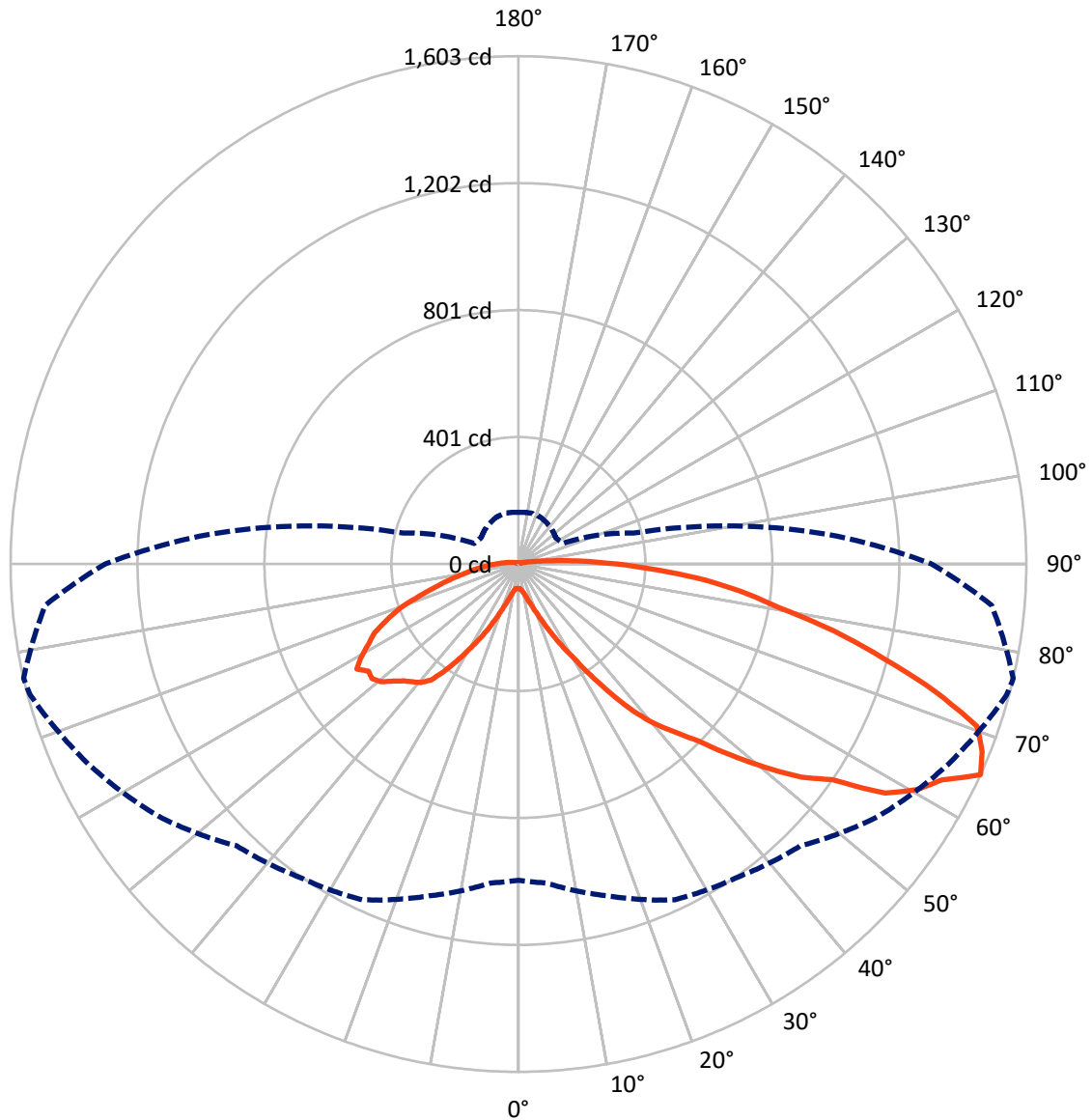


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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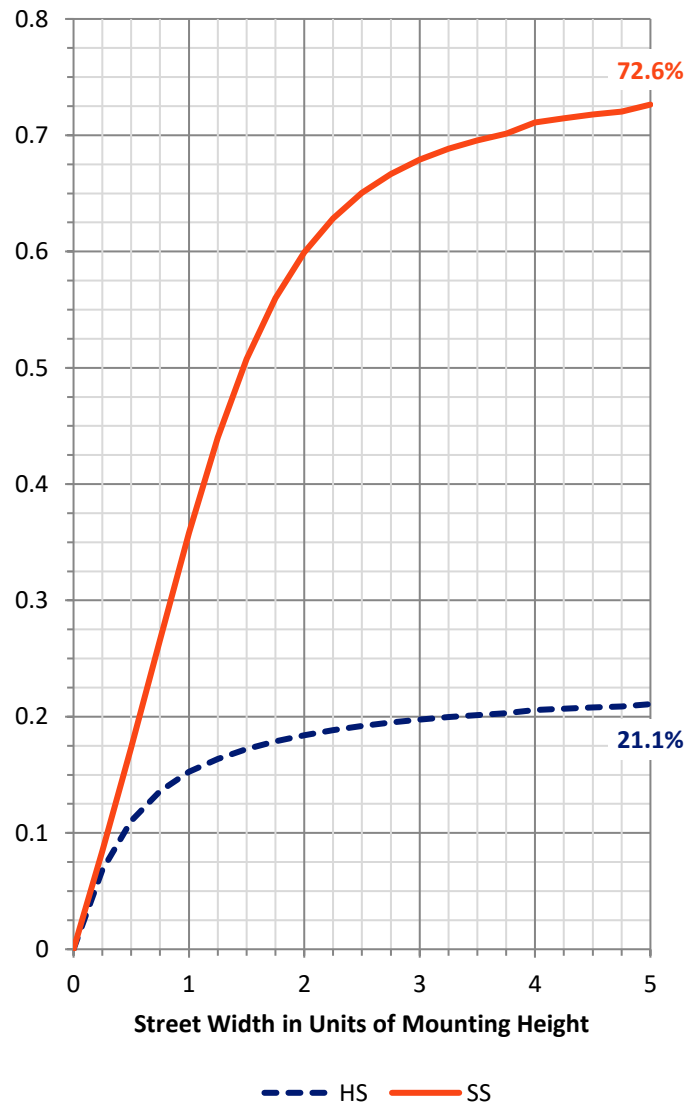
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	677.8	48.2	726.0
	% Fixture	22.0	1.6	23.6
Street Side	Lumens	2289.7	60.3	2350.0
	% Fixture	74.4	2.0	76.4
Total	Lumens	2967.5	108.5	3076.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.9	0.3
10°-20°	33.7	1.1
20°-30°	98.7	3.2
30°-40°	236.3	7.7
40°-50°	425.6	13.8
50°-60°	647.3	21.0
60°-70°	763.6	24.8
70°-80°	526.2	17.1
80°-90°	228.2	7.4
90°-100°	66.6	2.2
100°-110°	20.9	0.7
110°-120°	9.7	0.3
120°-130°	5.7	0.2
130°-140°	3.5	0.1
140°-150°	1.5	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2967.5	96.5
0°-180°	3076.0	100.0



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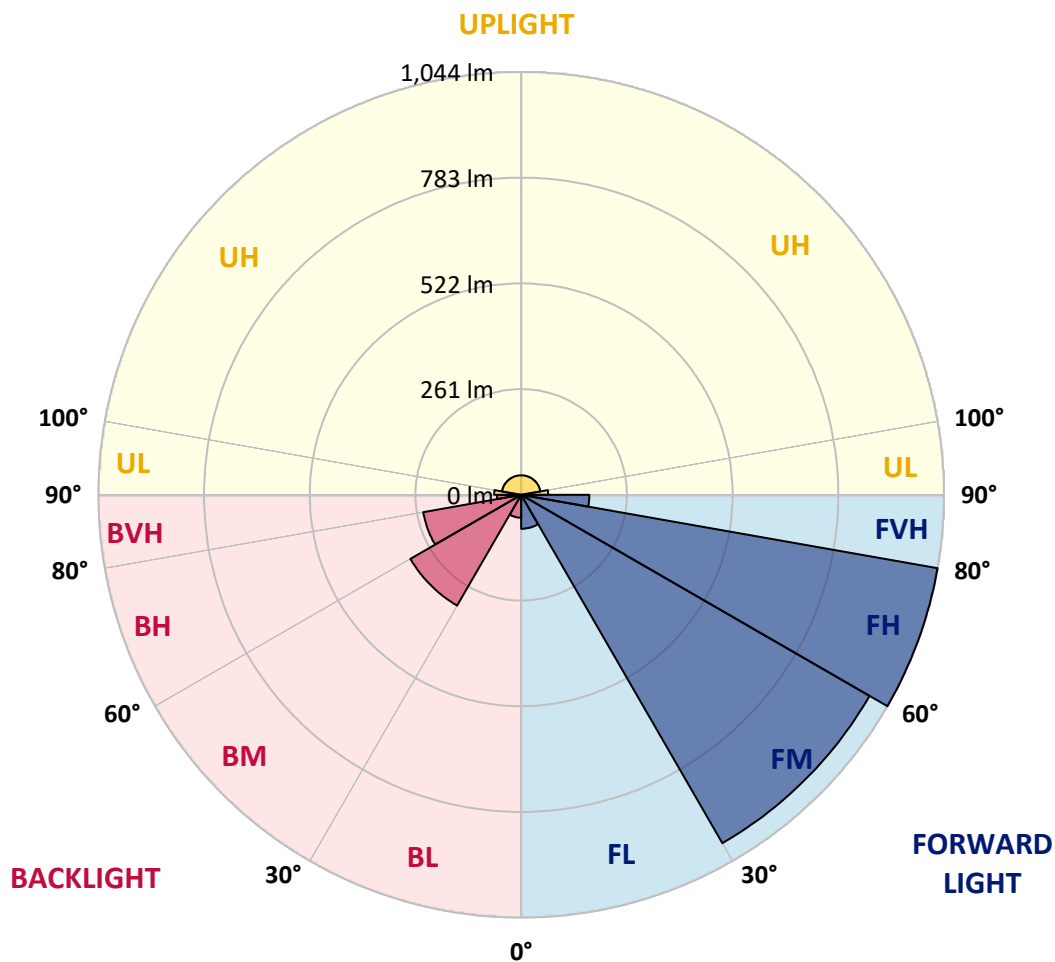
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.8	2.7			
FM	(30°-60°)	993.3	32.3			
FH	(60°-80°)	1044.2	33.9			G1/1800
FVH	(80°-90°)	168.3	5.5			G2/225
BL	(0°-30°)	56.5	1.8	B0/110		
BM	(30°-60°)	315.9	10.3	B1/1000		
BH	(60°-80°)	245.6	8.0	B1/500		G1/500
BVH	(80°-90°)	59.8	1.9			G1/100
UL	(90°-100°)	66.6	2.2		U3/500	
UH	(100°-180°)	48.2	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°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2.5°	83.1	82.7	82.7	83.1	82.4	81.7	80.6	79.6	78.5	78.5	77.8
5°	89.8	89.5	89.5	89.5	88.0	87.0	84.5	83.1	81.7	81.0	79.9
7.5°	98.6	97.6	97.9	97.6	95.5	93.3	90.9	88.0	86.3	85.9	83.8
10°	110.3	109.6	108.9	107.5	105.4	101.8	98.3	95.8	93.3	93.0	90.5
12.5°	126.9	126.2	124.8	121.6	117.0	112.8	109.3	106.4	105.0	104.3	101.8
15°	147.1	145.0	144.3	139.3	132.9	128.0	124.1	122.3	120.9	120.9	117.7
17.5°	170.8	170.8	167.2	160.5	152.4	146.4	142.5	139.3	140.4	140.0	138.2
20°	200.1	199.4	194.1	185.3	175.4	169.7	164.8	163.0	164.4	165.8	165.8
22.5°	242.6	240.8	232.7	219.2	204.7	195.5	192.0	191.6	197.3	199.1	201.2
25°	290.3	287.8	277.6	261.3	243.3	229.1	224.2	228.1	238.3	242.2	246.4
27.5°	347.9	346.5	330.9	308.7	287.1	268.7	263.1	275.1	288.9	290.3	298.8
30°	422.2	422.9	401.7	369.5	332.7	313.6	307.3	321.8	342.3	343.7	360.6
32.5°	508.1	508.1	476.3	437.4	390.0	363.1	357.1	380.4	412.6	417.6	433.8
35°	617.7	611.3	570.7	514.8	455.4	415.5	414.7	451.2	495.4	500.3	518.0
37.5°	716.0	719.9	678.5	605.7	525.4	479.4	485.5	531.8	587.6	589.1	608.2
40°	822.4	826.7	777.9	701.8	603.2	551.6	563.6	606.7	662.2	663.3	670.0
42.5°	905.9	916.8	871.2	792.0	692.3	633.6	636.4	676.7	719.5	724.8	729.4
45°	955.7	963.9	938.7	875.5	770.8	715.6	708.9	741.8	797.7	796.3	803.0
47.5°	1034.2	1043.8	1005.2	947.6	859.2	791.0	782.5	825.2	893.8	900.9	894.5
50°	1115.5	1128.3	1100.3	1033.2	941.9	875.5	876.5	925.3	1005.2	1007.7	1011.6
52.5°	1172.5	1181.7	1170.7	1124.0	1027.1	966.7	976.2	1034.6	1113.1	1117.7	1102.1
55°	1181.3	1195.4	1204.3	1193.7	1120.5	1060.7	1085.1	1143.5	1196.5	1200.4	1188.4
57.5°	1178.5	1190.1	1208.9	1217.0	1180.2	1157.6	1189.1	1248.8	1351.0	1364.1	1358.1
60°	1175.3	1183.8	1222.7	1234.7	1213.8	1231.9	1282.1	1388.5	1444.7	1445.8	1391.0
62.5°	1086.9	1101.0	1174.2	1234.7	1229.0	1263.3	1373.3	1447.2	1491.7	1499.9	1447.5
65°	998.1	1010.5	1084.1	1168.9	1206.4	1258.0	1387.4	1496.3	1595.3	1602.8	1499.2
67.5°	869.8	889.2	969.5	1071.7	1117.7	1200.0	1350.3	1513.7	1575.2	1578.4	1459.9
70°	708.6	735.1	825.6	933.4	988.6	1072.0	1267.2	1451.8	1537.7	1535.9	1394.9
72.5°	510.6	534.3	617.0	745.0	831.3	922.5	1115.2	1328.7	1377.5	1375.8	1186.6
75°	346.9	359.6	421.8	538.9	663.0	770.1	960.7	1152.7	1194.0	1190.8	1016.5
77.5°	227.3	241.8	282.2	382.2	497.8	621.2	806.5	964.9	1030.0	1018.3	861.7
80°	139.3	147.4	180.7	258.1	377.3	501.4	666.8	816.4	850.0	833.0	703.6
82.5°	87.0	93.3	117.0	170.4	270.8	387.2	547.0	687.4	724.8	705.7	578.8
85°	53.4	56.6	72.8	112.1	183.9	284.6	439.8	557.6	580.6	566.8	436.3
87.5°	38.9	39.6	49.9	75.7	124.1	203.7	323.9	420.0	436.7	411.2	305.8
90°	28.6	30.1	36.8	53.4	86.3	138.2	223.1	295.6	299.8	284.3	204.4
92.5°	21.6	22.3	27.6	37.8	59.4	94.4	148.9	198.0	194.1	183.2	126.9
95°	15.6	15.9	19.8	26.9	41.7	63.3	94.8	124.1	111.7	107.1	77.1
97.5°	12.7	13.1	15.9	20.9	30.8	44.6	61.2	73.9	65.8	62.9	49.5
100°	11.0	11.0	13.4	17.3	24.0	33.2	40.7	46.3	42.4	41.0	35.0
102.5°	9.9	9.9	11.7	14.5	19.8	26.2	30.1	31.8	29.7	28.6	25.8
105°	8.8	8.8	10.3	12.4	16.6	21.2	23.0	23.3	21.2	20.9	19.8
107.5°	8.1	8.1	9.2	11.0	14.1	17.7	18.4	17.3	16.3	15.6	15.6
110°	7.1	7.4	8.1	9.5	12.4	14.9	14.9	13.4	12.0	12.0	12.4



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
112.5°	6.7	6.7	7.4	8.8	11.0	12.7	12.0	10.6	9.5	9.5	10.3
115°	6.0	6.0	6.7	8.1	9.9	11.0	10.3	8.8	7.8	8.1	8.8
117.5°	5.7	5.7	6.4	7.4	8.8	9.5	8.8	7.4	6.7	7.1	8.1
120°	5.7	5.7	6.4	7.1	8.1	8.5	7.8	6.4	6.0	6.0	7.1
122.5°	5.7	5.7	6.0	7.1	7.8	7.8	6.7	5.7	5.3	5.3	6.4
125°	5.7	5.7	6.4	7.1	7.1	7.1	6.0	5.0	4.6	5.0	5.7
127.5°	6.0	6.0	6.4	6.7	6.7	6.4	5.3	4.6	4.2	4.6	5.3
130°	6.0	6.0	6.4	6.7	6.4	5.7	5.0	4.2	4.2	4.2	5.3
132.5°	6.0	6.0	6.4	6.4	6.0	5.0	4.2	3.5	3.9	4.2	5.0
135°	5.7	5.7	5.7	5.7	5.3	4.6	3.5	3.2	3.5	3.9	4.6
137.5°	5.3	5.3	5.3	5.3	4.6	3.9	2.8	2.5	3.2	3.2	3.9
140°	4.6	4.6	5.0	4.6	4.2	3.2	2.5	1.8	2.5	2.5	3.2
142.5°	4.2	4.2	4.2	4.2	3.5	2.8	1.8	1.8	2.1	2.1	2.5
145°	3.5	3.5	3.9	3.5	2.8	2.1	1.4	1.4	1.8	1.8	2.1
147.5°	2.8	3.2	3.2	2.8	2.5	1.8	1.1	1.1	1.4	1.4	1.8
150°	2.5	2.5	2.5	2.5	1.8	1.1	0.7	1.1	1.4	1.4	1.4
152.5°	1.8	1.8	2.1	2.1	1.4	0.7	0.7	1.1	1.1	1.1	1.4
155°	1.4	1.4	1.8	1.4	1.1	0.4	0.7	0.7	1.1	1.1	1.1
157.5°	0.7	0.7	1.1	1.1	0.7	0.4	0.4	0.7	0.7	0.7	1.1
160°	0.4	0.4	1.1	1.1	0.7	0.4	0.4	0.4	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°	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2.5°	77.4	76.7	76.4	75.7	75.0	74.3	74.3	74.3	73.9	73.5	73.9
5°	78.8	78.5	76.7	75.3	73.9	73.2	72.5	72.1	72.1	71.4	71.4
7.5°	82.7	81.3	78.8	76.4	75.0	73.5	72.5	72.1	71.8	71.1	71.1
10°	88.7	87.0	84.2	80.3	77.8	75.3	74.3	74.3	73.9	73.5	73.5
12.5°	100.1	97.9	93.0	87.7	82.7	79.2	78.5	79.6	81.7	82.0	82.0
15°	116.7	114.2	107.8	99.4	91.6	86.6	87.3	90.2	93.0	94.1	94.1
17.5°	137.2	134.4	125.2	112.8	102.5	97.9	97.6	101.5	105.4	107.5	107.5
20°	164.8	160.2	148.1	130.5	116.3	111.0	108.9	112.4	118.4	120.9	120.2
22.5°	199.1	193.8	176.8	149.9	132.2	122.7	119.9	123.8	131.2	134.4	134.0
25°	244.3	239.0	211.4	174.3	147.8	132.9	131.2	136.8	147.8	154.2	153.5
27.5°	297.0	288.2	251.4	201.5	163.0	141.4	141.8	151.3	162.6	169.7	169.0
30°	353.2	341.9	291.7	227.7	177.1	151.0	150.3	161.6	173.3	180.7	180.7
32.5°	427.5	410.9	338.4	252.8	188.1	158.4	155.9	168.7	180.7	188.5	188.1
35°	507.0	484.8	387.2	279.3	197.3	162.3	159.5	172.5	184.9	194.1	194.1
37.5°	598.3	560.4	432.8	297.7	203.7	164.4	160.5	175.4	190.6	200.1	199.4
40°	646.3	603.9	454.7	305.8	204.7	164.8	162.3	177.8	190.6	194.1	192.3
42.5°	700.1	645.3	463.9	295.9	200.8	164.1	163.4	175.4	181.0	180.0	178.9
45°	768.0	694.1	472.7	283.6	191.6	163.0	161.6	168.7	169.0	164.8	163.4
47.5°	854.6	761.3	487.2	268.7	182.4	160.5	158.8	161.9	155.9	148.1	145.7
50°	947.6	839.0	505.3	256.0	174.0	157.3	155.6	154.5	148.5	140.7	139.3
52.5°	1028.6	891.7	510.2	242.6	168.3	155.2	153.1	152.0	146.4	137.5	135.8
55°	1101.0	936.6	492.9	222.4	163.7	153.8	153.1	153.1	147.1	137.9	136.1
57.5°	1244.2	1044.1	499.3	201.9	157.7	153.5	154.5	154.9	149.2	140.4	138.6
60°	1248.5	1023.6	462.1	187.4	152.4	153.5	155.9	156.6	152.7	146.7	145.7
62.5°	1289.1	1024.3	412.3	168.7	148.9	152.7	157.0	159.5	159.8	156.3	155.6
65°	1304.0	1009.5	376.2	153.8	143.9	151.0	157.3	163.4	165.5	163.7	163.0
67.5°	1247.1	941.2	327.1	143.9	139.0	148.1	157.0	164.4	169.0	170.1	170.1
70°	1172.1	864.5	283.2	134.4	133.7	144.3	154.5	164.4	170.8	173.6	173.6
72.5°	981.9	710.0	233.7	124.5	126.6	138.2	149.2	161.2	168.3	170.8	169.7
75°	821.4	584.5	192.3	116.0	119.5	130.8	141.8	153.5	158.4	159.8	158.8
77.5°	694.8	486.2	158.0	108.2	111.0	121.3	131.2	139.3	142.5	141.8	140.0
80°	560.1	379.4	129.8	98.6	101.5	109.6	116.7	123.0	126.2	124.5	123.4
82.5°	445.9	301.6	110.7	90.2	91.2	97.9	102.9	107.8	113.1	111.7	108.9
85°	329.9	222.0	94.1	81.0	81.0	85.9	88.4	93.0	100.4	100.1	99.0
87.5°	225.6	158.0	79.9	71.8	71.4	74.3	75.7	80.6	90.2	90.5	89.5
90°	148.5	108.2	66.8	62.2	61.5	63.6	64.7	68.9	76.7	77.4	76.0
92.5°	96.5	75.0	54.8	52.7	52.3	54.1	53.7	56.6	61.9	61.5	60.5
95°	61.9	52.3	44.6	43.5	42.4	44.6	43.8	44.6	47.4	46.7	46.7
97.5°	42.8	40.0	36.8	35.0	34.3	36.4	35.7	35.7	37.1	35.7	35.0
100°	32.9	31.8	30.4	29.0	27.6	29.3	29.3	29.3	30.4	28.3	27.6
102.5°	25.5	25.1	25.1	24.0	23.0	24.4	24.8	25.1	24.8	22.6	22.3
105°	20.2	20.2	20.9	19.8	19.4	20.5	20.9	20.5	20.5	18.7	18.7
107.5°	15.9	16.6	17.3	16.6	16.6	17.3	17.3	17.3	16.6	15.6	15.9
110°	13.1	13.8	14.9	14.1	14.1	14.9	14.5	14.1	13.8	13.4	13.4



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.3	11.7	12.4	12.0	12.4	12.7	12.4	11.7	11.7	11.7	12.0
115°	9.5	10.3	11.0	10.6	10.6	11.0	10.3	9.9	9.9	10.3	10.3
117.5°	8.5	9.2	9.5	9.5	9.2	9.5	8.8	8.5	8.8	9.2	9.2
120°	7.8	8.1	8.5	8.5	8.1	8.1	7.8	7.4	7.8	8.1	8.5
122.5°	7.1	7.4	7.4	7.8	7.4	7.1	6.7	6.7	7.1	7.4	7.4
125°	6.4	6.7	6.7	6.7	6.7	6.4	6.0	6.0	6.4	6.7	7.1
127.5°	5.7	6.0	6.0	6.4	6.0	5.7	5.3	5.7	6.0	6.4	6.4
130°	5.7	5.7	5.7	5.7	5.3	5.0	5.0	5.0	5.7	6.0	6.0
132.5°	5.3	5.7	5.3	5.3	5.0	4.2	4.2	4.6	5.3	5.7	5.7
135°	5.0	5.0	4.6	4.6	4.2	3.9	3.5	4.2	4.6	5.0	5.0
137.5°	4.2	4.2	3.9	3.5	3.5	3.2	3.2	3.5	4.2	4.6	4.6
140°	3.2	3.5	3.2	2.8	2.8	2.5	2.8	3.2	3.9	3.9	3.9
142.5°	2.5	2.8	2.5	2.1	2.1	2.1	2.1	2.8	3.5	3.5	3.5
145°	2.1	2.1	2.1	1.8	1.4	1.4	1.8	2.5	3.2	3.2	3.2
147.5°	1.8	1.8	1.8	1.4	1.1	1.1	1.4	2.1	2.5	2.5	2.5
150°	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.8	2.1	2.1	2.1
152.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.7	1.4	1.8	1.8	1.8
155°	1.1	1.1	1.1	1.1	0.7	0.4	0.4	1.1	1.4	1.4	1.4
157.5°	1.1	1.1	1.1	0.7	0.4	0.0	0.4	1.1	1.4	1.1	1.1
160°	0.7	0.7	0.7	0.7	0.4	0.0	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)