

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: P414601

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T4W-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-23)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3044 lumens
Efficiency: N/A
Efficacy: 98.2 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 - 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

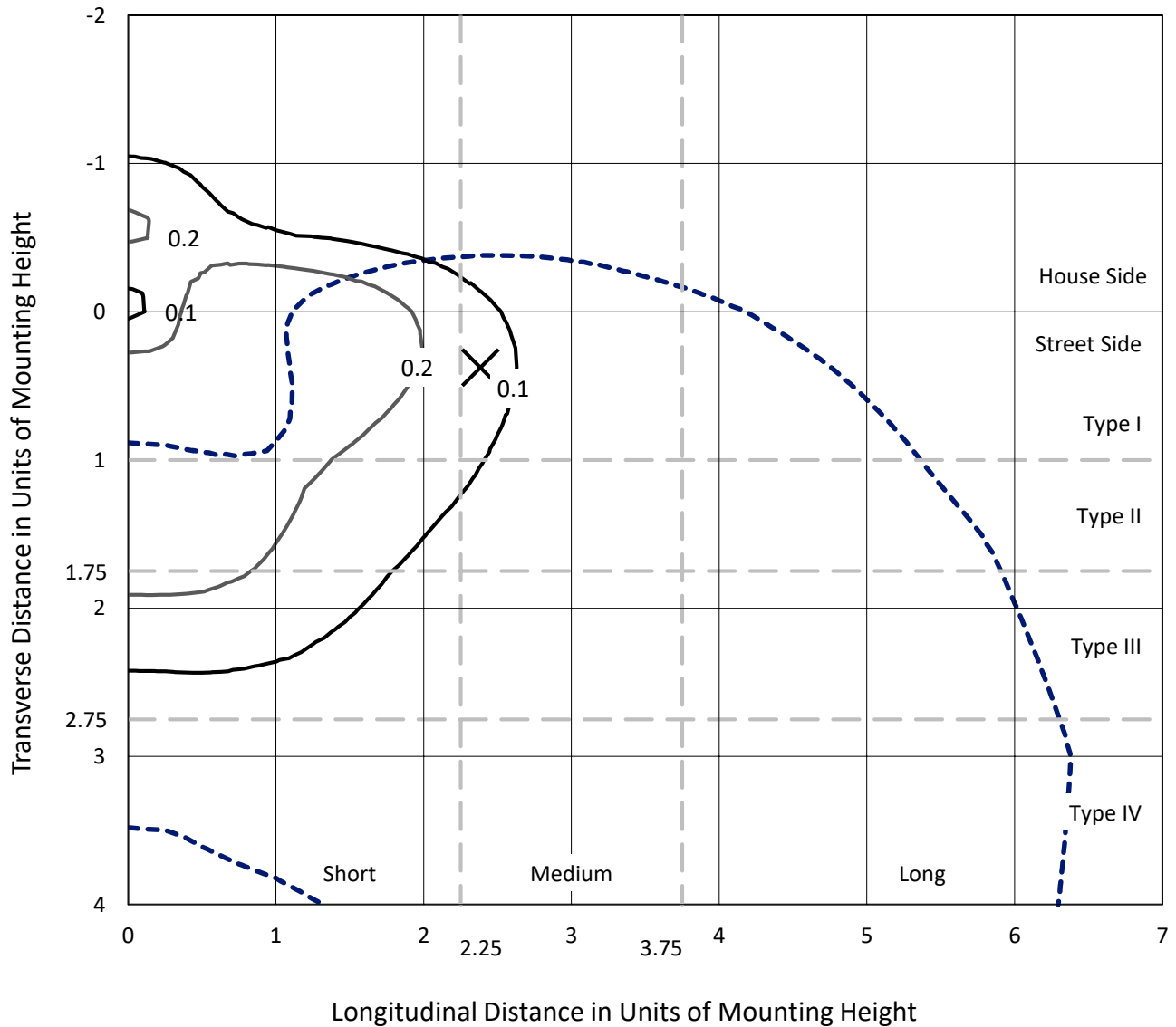


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

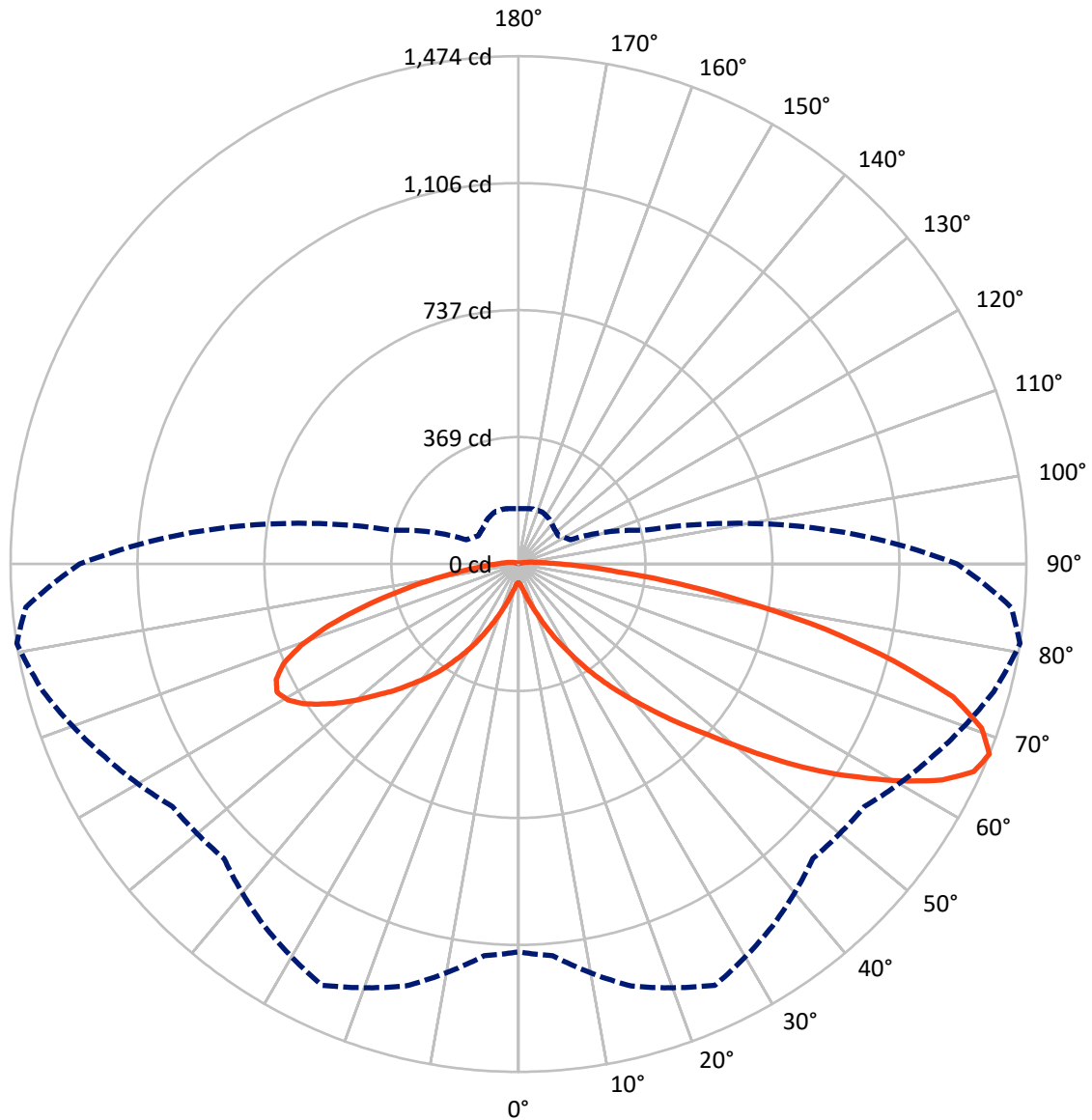


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 81-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical



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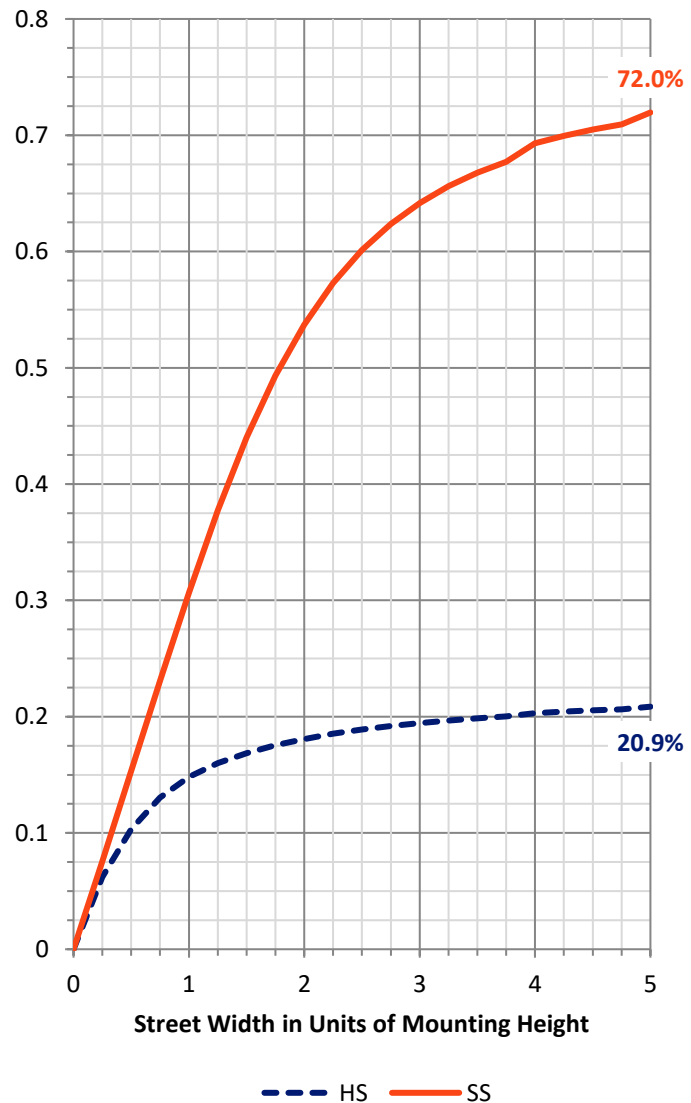
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	666.3	47.4	713.7
	% Fixture	21.9	1.6	23.4
Street Side	Lumens	2270.7	59.6	2330.3
	% Fixture	74.6	2.0	76.6
Total	Lumens	2937.0	107.0	3044.0
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.2
10°-20°	31.4	1.0
20°-30°	93.7	3.1
30°-40°	203.5	6.7
40°-50°	356.8	11.7
50°-60°	565.5	18.6
60°-70°	763.1	25.1
70°-80°	654.7	21.5
80°-90°	261.9	8.6
90°-100°	63.7	2.1
100°-110°	22.4	0.7
110°-120°	10.3	0.3
120°-130°	5.5	0.2
130°-140°	3.1	0.1
140°-150°	1.4	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2937.0	96.5
0°-180°	3044.0	100.0



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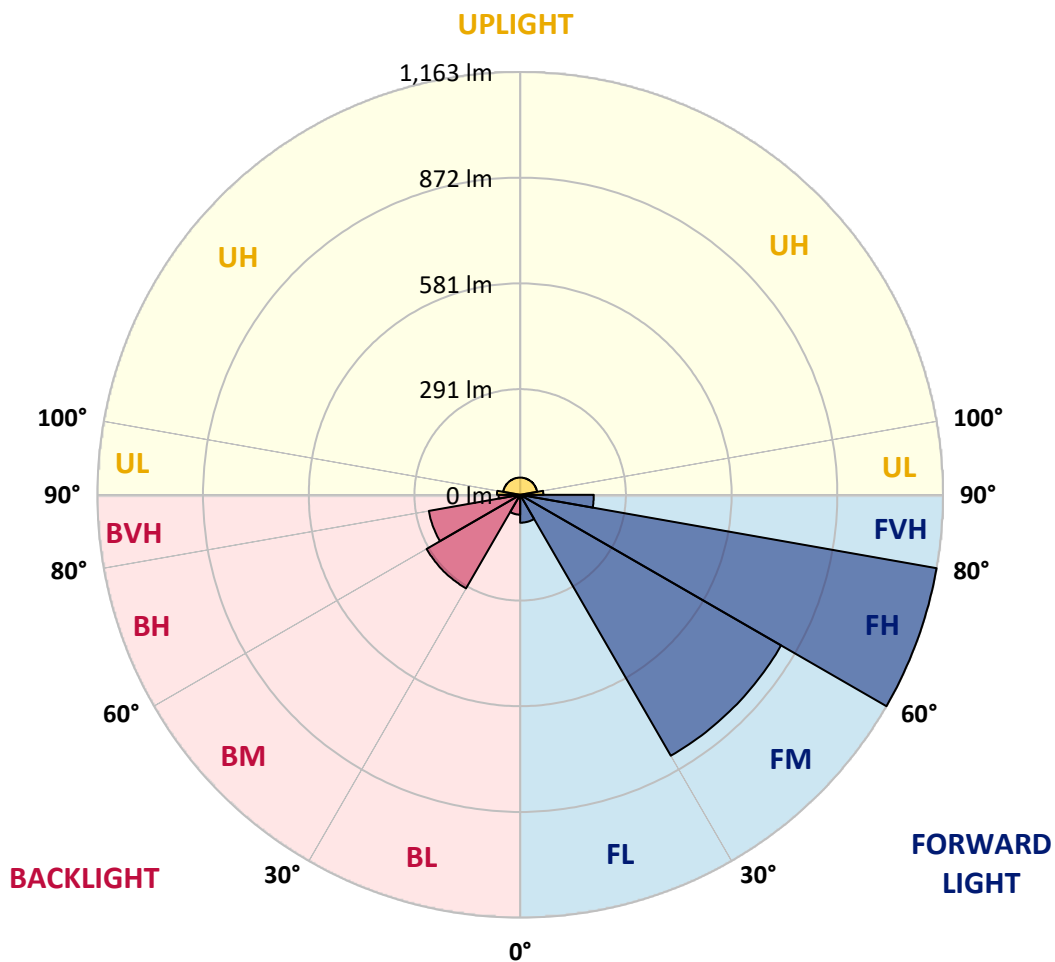
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	76.8	2.5			
FM	(30°-60°)	828.5	27.2			
FH	(60°-80°)	1162.9	38.2			G1/1800
FVH	(80°-90°)	202.5	6.7			G2/225
BL	(0°-30°)	54.7	1.8	B0/110		
BM	(30°-60°)	297.2	9.8	B1/1000		
BH	(60°-80°)	254.9	8.4	B1/500		G1/500
BVH	(80°-90°)	59.5	2.0			G1/100
UL	(90°-100°)	63.7	2.1		U3/500	
UH	(100°-180°)	47.4	1.6		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
0°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	59.7	59.4	59.4	59.7	59.7	59.7	58.7	57.6	56.6	56.2	55.9
5°	67.9	67.2	67.2	67.2	66.8	65.8	64.3	62.9	61.5	60.8	60.1
7.5°	78.5	78.1	77.8	76.7	76.4	74.6	72.5	70.4	68.2	67.5	66.8
10°	93.0	92.6	90.9	90.5	88.7	87.0	83.8	80.6	77.8	76.7	75.7
12.5°	111.4	111.4	108.9	106.1	103.9	100.4	97.6	93.7	91.6	90.2	88.7
15°	135.4	134.0	130.8	127.6	122.0	117.7	113.5	111.4	109.9	108.2	106.1
17.5°	161.9	160.1	157.3	151.0	143.5	137.5	133.6	131.5	130.8	129.7	127.3
20°	193.7	191.6	187.7	177.8	169.7	161.6	157.0	155.9	156.6	154.8	152.4
22.5°	231.6	230.1	222.0	209.6	198.3	187.0	182.8	183.5	184.9	187.4	186.0
25°	274.7	271.2	263.4	245.7	227.0	216.0	211.8	214.9	221.3	224.8	222.0
27.5°	324.9	322.8	307.2	284.2	259.8	245.0	241.8	251.0	262.0	264.8	264.8
30°	377.9	379.3	356.7	329.5	298.7	278.2	274.3	287.4	306.2	307.9	312.5
32.5°	445.1	442.6	418.9	374.4	338.0	311.5	309.0	327.4	351.1	360.2	360.2
35°	515.4	513.0	484.0	431.3	380.8	346.5	348.2	367.7	399.8	411.5	413.3
37.5°	596.4	588.3	556.8	491.4	427.4	387.1	383.9	413.3	451.1	467.7	467.7
40°	685.5	680.9	637.1	559.6	475.1	429.2	426.7	460.7	506.6	525.0	528.5
42.5°	772.1	766.1	725.4	625.8	530.3	473.7	474.1	511.2	563.9	589.3	593.9
45°	863.7	858.0	813.5	707.1	590.0	528.9	524.6	571.0	633.9	662.2	667.5
47.5°	945.0	941.1	902.6	788.0	664.3	587.9	582.3	635.7	708.5	739.9	755.9
50°	1033.4	1028.4	992.4	874.3	738.2	650.9	650.5	707.8	799.0	837.2	850.2
52.5°	1105.1	1099.5	1074.4	960.9	811.4	724.4	718.4	788.7	892.7	947.5	953.8
55°	1171.3	1169.1	1160.6	1053.9	900.4	796.5	800.4	883.8	999.4	1061.3	1070.8
57.5°	1219.0	1221.8	1225.7	1147.2	987.8	877.1	884.2	979.3	1110.4	1168.1	1181.2
60°	1251.5	1261.4	1287.2	1228.5	1076.9	965.1	977.2	1073.7	1217.2	1278.7	1289.3
62.5°	1254.0	1264.6	1324.7	1304.5	1162.4	1055.3	1069.1	1170.9	1312.7	1380.9	1382.0
65°	1207.0	1221.5	1317.6	1345.5	1237.7	1141.6	1153.9	1257.5	1392.6	1453.0	1431.1
67.5°	1126.0	1141.2	1268.5	1349.1	1284.4	1208.7	1226.4	1324.7	1428.6	1474.2	1435.3
70°	1008.6	1023.5	1157.5	1295.7	1292.9	1248.3	1271.7	1352.3	1421.9	1426.5	1371.7
72.5°	854.5	853.1	997.7	1179.0	1245.8	1245.1	1282.3	1331.4	1345.2	1319.4	1238.1
75°	654.4	672.8	804.6	1010.4	1138.7	1188.9	1226.4	1245.1	1205.5	1125.6	1037.6
77.5°	468.8	484.0	603.8	796.5	979.6	1072.3	1113.6	1104.8	1006.5	912.8	811.7
80°	310.4	319.2	419.3	594.6	789.8	897.3	947.1	913.2	788.4	668.5	581.2
82.5°	186.3	200.8	263.7	417.9	585.8	709.2	739.6	683.0	562.8	465.2	401.3
85°	112.8	116.0	164.0	267.3	409.0	510.1	539.1	478.3	370.1	290.6	241.1
87.5°	63.3	68.9	101.5	173.9	275.0	354.2	364.5	315.0	232.3	180.3	151.0
90°	37.1	41.0	62.2	107.8	175.4	229.1	231.9	190.6	137.5	108.5	96.5
92.5°	23.7	26.5	41.4	69.3	112.8	148.8	144.9	117.7	88.0	72.5	62.6
95°	17.0	18.4	29.0	47.7	75.7	93.7	92.3	73.9	59.0	50.6	46.0
97.5°	12.7	14.1	22.6	35.0	50.9	62.9	61.5	49.1	41.0	37.1	35.4
100°	10.6	11.3	18.4	27.6	37.8	45.3	44.5	36.4	30.8	27.9	27.2
102.5°	9.2	9.9	15.2	22.3	30.1	35.0	33.6	28.3	23.3	20.9	20.2
105°	8.1	8.5	13.1	19.1	24.7	27.6	27.2	22.6	18.0	15.6	15.2
107.5°	7.4	7.8	11.3	16.3	20.9	23.3	22.6	18.4	13.8	12.0	11.7
110°	6.7	7.1	9.9	14.1	17.7	19.8	18.7	15.2	11.0	9.2	9.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	81°	85°
112.5°	6.4	6.4	8.8	12.0	15.2	17.0	15.9	12.4	8.5	7.4	7.8
115°	6.0	6.0	7.8	10.6	13.4	14.8	13.4	10.3	7.1	6.4	6.4
117.5°	5.7	5.7	7.1	9.5	12.0	13.1	11.7	8.8	6.0	5.3	5.7
120°	5.3	5.7	6.7	8.5	10.6	11.3	10.3	7.4	4.9	4.9	5.3
122.5°	5.3	5.3	6.4	7.8	9.5	9.9	8.8	6.4	4.6	4.6	4.6
125°	5.3	5.3	6.0	7.1	8.5	8.8	7.4	5.3	4.2	4.2	4.2
127.5°	5.3	5.3	5.7	6.7	7.4	7.8	6.7	4.9	3.9	3.9	4.2
130°	4.9	5.3	5.3	6.0	6.7	6.7	5.7	4.2	3.5	3.5	3.9
132.5°	4.9	4.9	5.3	5.7	6.0	6.0	4.9	3.9	3.2	3.5	3.5
135°	4.9	4.9	4.9	5.3	5.7	5.3	4.2	3.2	2.8	3.2	3.2
137.5°	4.6	4.6	4.6	4.9	4.9	4.6	3.9	2.8	2.8	2.8	2.8
140°	4.2	4.2	4.2	4.2	4.6	4.2	3.2	2.5	2.5	2.5	2.5
142.5°	3.9	3.9	3.9	3.9	3.9	3.5	2.8	2.1	2.1	2.1	2.1
145°	3.5	3.5	3.5	3.5	3.2	2.8	2.1	1.8	1.8	2.1	2.1
147.5°	2.8	2.8	2.8	2.8	2.8	2.5	1.8	1.4	1.8	1.8	1.8
150°	2.5	2.5	2.5	2.5	2.1	2.1	1.4	1.4	1.4	1.8	1.8
152.5°	1.8	1.8	1.8	2.1	1.8	1.4	1.1	1.1	1.4	1.4	1.4
155°	1.4	1.4	1.4	1.4	1.4	1.1	0.7	1.1	1.4	1.4	1.4
157.5°	0.7	1.1	1.1	1.1	1.1	1.1	0.7	1.1	1.1	1.1	1.1
160°	0.4	0.4	0.7	0.7	1.1	1.1	0.7	0.7	1.1	1.1	1.1
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°	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
2.5°	55.9	55.5	55.2	54.8	54.4	54.4	54.1	53.7	53.4	53.0	53.0
5°	59.7	59.0	58.0	57.3	56.6	56.6	55.9	55.5	54.8	54.4	54.4
7.5°	65.8	65.4	63.3	62.2	61.2	60.8	60.1	59.4	58.7	58.7	58.7
10°	74.6	73.5	71.8	68.9	67.9	67.2	66.1	65.4	65.4	65.8	65.8
12.5°	88.0	85.2	82.7	78.8	76.7	75.3	74.6	74.9	76.7	77.4	76.7
15°	103.6	102.9	96.9	91.2	87.0	84.1	85.9	88.0	90.5	91.2	92.3
17.5°	125.2	122.7	114.5	106.4	98.6	97.2	99.3	102.9	105.7	107.8	109.6
20°	151.0	146.7	136.8	122.7	113.8	111.7	113.1	118.1	123.4	127.6	128.0
22.5°	183.5	177.1	159.4	141.8	128.7	125.2	126.9	134.7	142.5	147.8	147.4
25°	218.8	211.1	187.4	161.9	143.9	137.5	140.7	151.0	161.9	168.3	169.0
27.5°	258.4	250.7	217.8	181.4	157.7	148.1	153.4	165.1	179.9	187.7	189.1
30°	305.1	294.5	248.2	202.2	170.4	158.0	163.0	178.2	194.4	205.4	206.8
32.5°	353.5	336.9	278.6	219.2	179.2	164.4	170.0	187.7	206.5	218.5	220.6
35°	403.7	383.2	309.3	233.7	185.6	168.3	173.9	193.7	213.5	226.6	228.4
37.5°	460.3	433.1	337.3	244.6	189.1	169.3	175.0	194.8	214.9	227.7	229.4
40°	517.2	480.8	360.6	251.4	189.5	168.3	172.9	192.0	211.1	222.0	223.8
42.5°	578.4	531.0	383.9	253.1	187.7	165.5	169.3	186.3	202.6	211.1	212.1
45°	647.0	589.0	403.7	251.7	182.8	161.2	164.0	178.5	191.3	195.1	196.9
47.5°	719.4	646.3	418.9	247.5	177.8	156.6	158.4	170.4	178.5	178.9	179.2
50°	807.8	715.9	437.7	241.5	171.1	152.4	153.4	163.0	166.9	165.1	164.4
52.5°	904.7	790.5	449.7	231.9	165.1	148.5	149.5	157.0	158.4	154.5	154.8
55°	1010.0	860.1	459.9	222.7	158.7	146.0	148.1	154.1	154.1	149.2	148.8
57.5°	1108.3	931.2	464.5	211.1	153.4	144.2	147.8	153.8	153.1	148.5	148.1
60°	1203.4	989.2	458.9	199.7	149.9	143.5	149.9	156.3	155.6	151.7	151.3
62.5°	1269.2	1025.6	444.7	188.4	146.7	144.6	152.4	159.8	159.8	155.6	155.6
65°	1297.5	1021.4	415.8	177.1	144.2	145.3	155.9	163.7	163.0	159.4	158.7
67.5°	1273.8	982.8	376.9	166.2	142.1	146.0	157.7	165.8	165.1	161.2	160.5
70°	1197.8	901.9	329.8	156.3	139.3	144.9	158.4	165.5	164.4	160.9	159.4
72.5°	1046.5	776.0	280.7	146.7	135.0	142.5	156.3	162.6	161.6	158.7	157.0
75°	861.9	625.8	231.9	136.1	129.7	137.9	151.7	157.3	155.9	153.4	151.7
77.5°	659.0	472.7	191.6	126.2	123.4	131.9	145.3	149.5	148.1	146.0	144.9
80°	466.3	336.6	154.1	115.3	114.2	122.7	134.0	138.6	137.9	135.8	134.0
82.5°	306.9	223.8	123.0	102.9	103.6	112.4	120.9	123.4	123.0	121.3	119.1
85°	189.1	147.4	96.9	88.7	91.9	99.0	106.1	106.4	105.4	105.0	101.8
87.5°	120.6	100.8	76.0	75.3	79.9	85.9	89.1	87.7	88.4	88.4	85.9
90°	78.5	70.7	60.8	62.9	67.9	72.5	73.9	70.0	72.1	71.1	70.0
92.5°	56.9	52.7	49.5	52.3	57.3	61.5	60.8	56.6	57.6	57.6	57.3
95°	43.1	41.0	41.4	44.2	48.1	50.9	49.5	46.0	46.3	45.6	44.5
97.5°	33.9	33.6	35.0	37.1	40.7	42.4	41.0	37.8	37.5	36.4	36.1
100°	26.9	27.2	29.3	31.8	33.9	35.4	34.3	31.1	29.7	27.9	27.6
102.5°	20.9	21.6	24.4	26.5	28.6	29.7	28.6	26.2	23.7	21.9	21.6
105°	16.3	17.0	20.2	22.3	24.0	24.7	24.0	21.2	18.7	16.6	16.6
107.5°	12.7	13.4	16.6	19.1	20.2	20.9	19.8	17.7	14.8	13.1	13.1
110°	10.3	11.0	13.8	15.9	17.0	17.7	16.6	14.1	12.0	10.6	10.6



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.1	9.2	11.3	13.4	14.5	14.8	13.8	12.0	9.5	8.8	8.8
115°	7.1	7.8	9.5	11.3	12.4	12.4	11.7	9.9	7.8	7.4	7.4
117.5°	6.0	6.7	8.1	9.9	10.6	10.6	9.9	8.1	6.7	6.4	6.4
120°	5.7	6.0	7.1	8.5	9.2	9.2	8.5	7.1	5.7	5.7	5.7
122.5°	4.9	5.3	6.4	7.4	8.1	8.1	7.4	6.0	4.9	5.3	5.3
125°	4.6	4.9	5.7	6.4	7.1	7.1	6.4	5.3	4.6	4.6	4.6
127.5°	4.2	4.6	4.9	5.7	6.0	6.0	5.7	4.6	4.2	4.2	4.2
130°	3.9	4.2	4.6	4.9	5.3	5.3	4.6	3.9	3.9	3.9	3.9
132.5°	3.9	3.9	3.9	4.2	4.6	4.6	4.2	3.5	3.5	3.5	3.5
135°	3.5	3.5	3.5	3.5	3.9	3.9	3.5	3.2	3.2	3.2	3.2
137.5°	3.2	3.2	3.2	3.2	3.5	3.5	3.2	2.8	2.8	2.8	2.8
140°	2.8	2.8	2.8	2.5	2.8	2.8	2.5	2.5	2.5	2.5	2.5
142.5°	2.1	2.5	2.1	2.1	2.1	2.1	2.1	1.8	2.1	2.1	2.1
145°	2.1	2.1	2.1	1.8	1.8	1.8	1.8	1.4	1.8	1.8	1.8
147.5°	1.8	1.8	1.8	1.4	1.1	1.4	1.1	1.4	1.4	1.4	1.4
150°	1.8	1.8	1.4	1.4	1.1	0.7	0.7	1.1	1.1	1.1	1.1
152.5°	1.4	1.4	1.4	1.1	0.7	0.4	0.4	0.7	0.7	0.7	0.7
155°	1.4	1.4	1.1	1.1	0.7	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	1.1	1.1	1.1	0.7	0.7	0.4	0.0	0.4	0.0	0.0	0.0
160°	1.1	1.1	1.1	0.7	0.4	0.4	0.0	0.0	0.0	0.0	0.0
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)