

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: P414596

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

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-13)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3182 lumens
Efficiency: N/A
Efficacy: 102.6 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

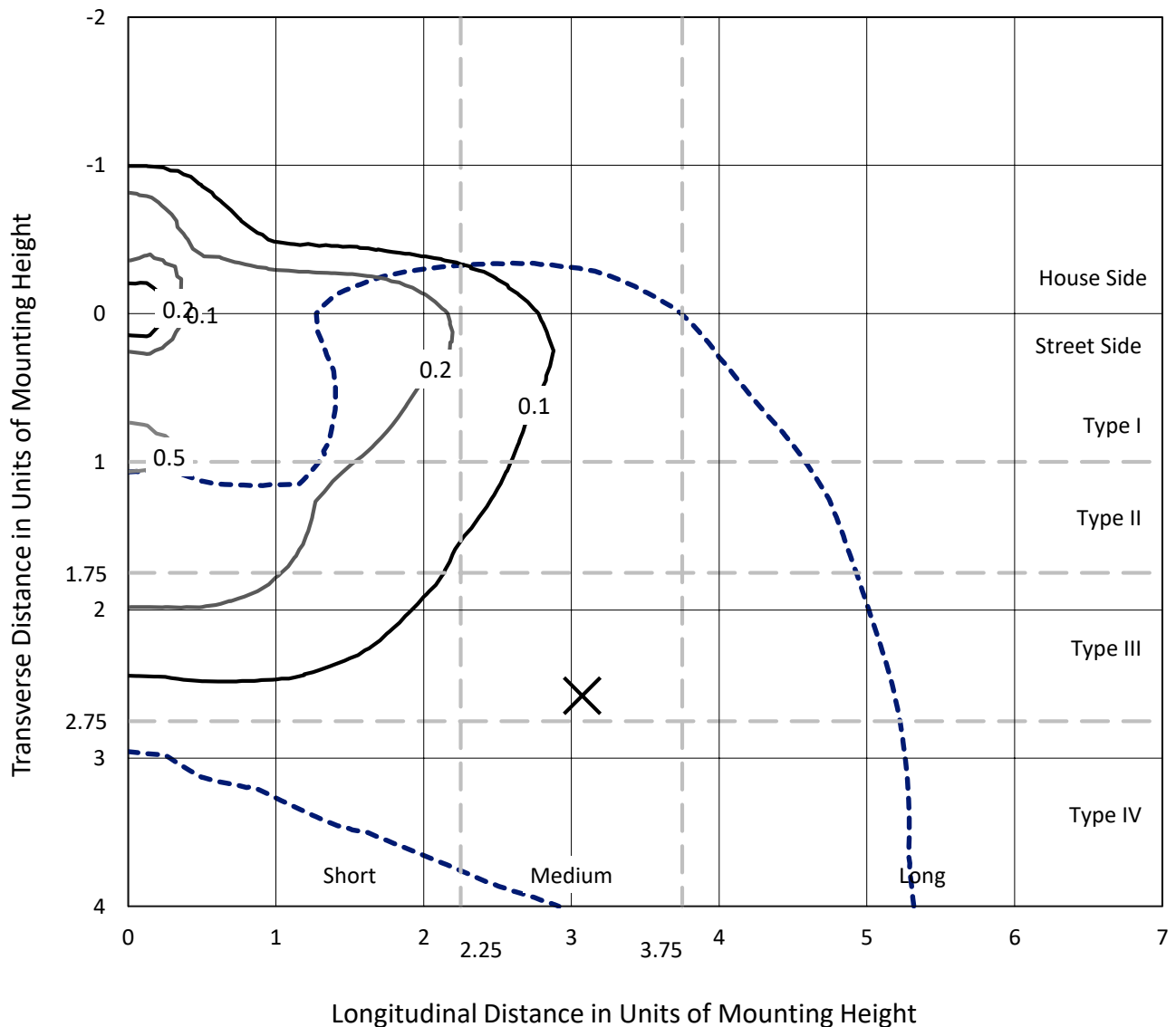
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

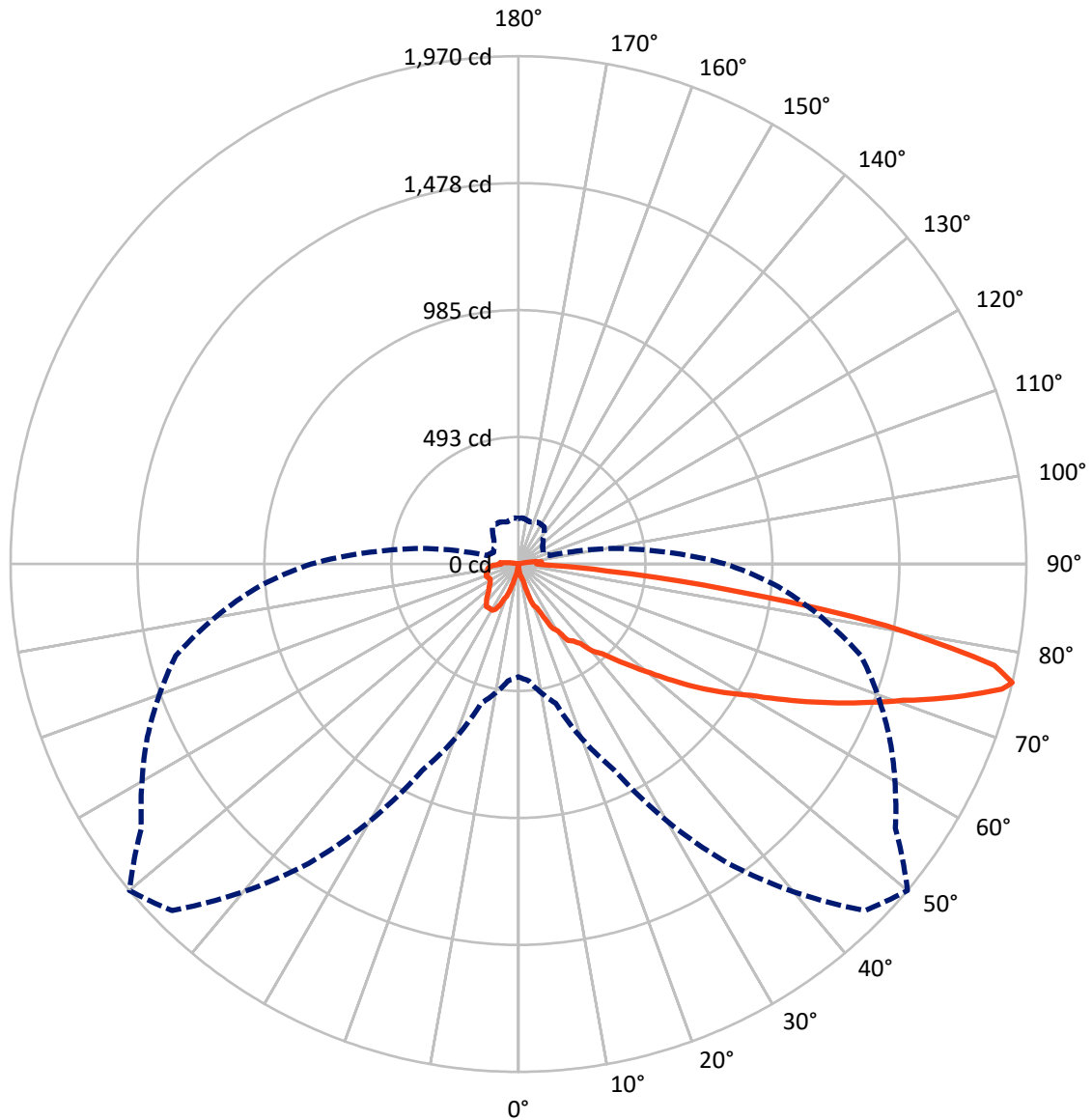
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 76-Deg Vertical



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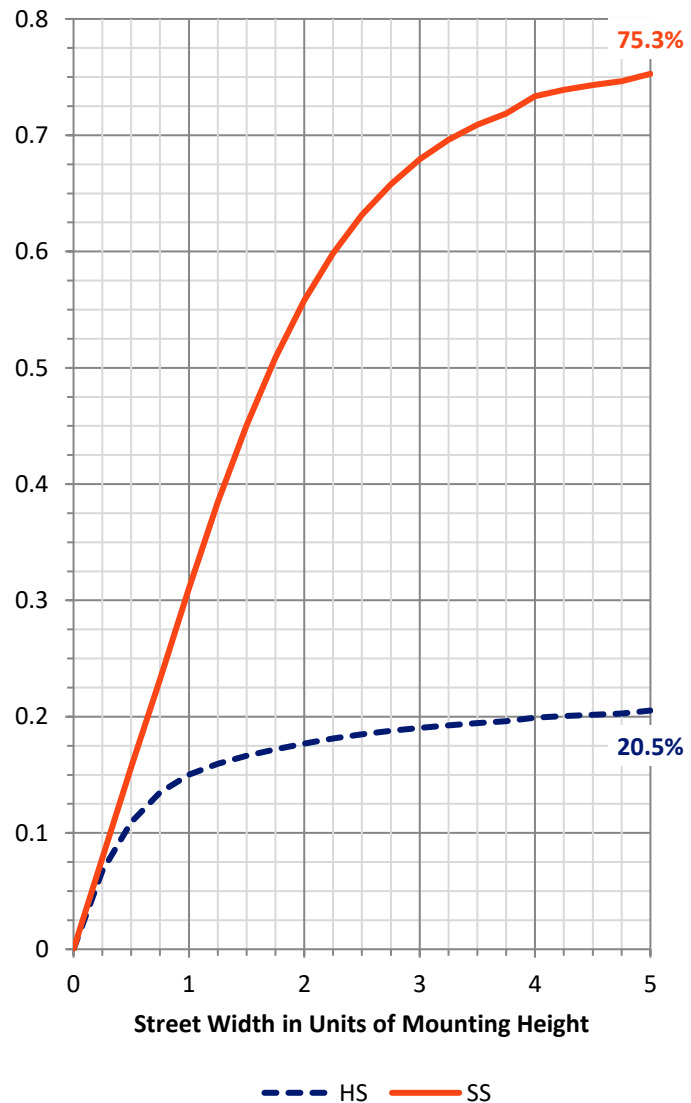
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	694.5	39.1	733.6
	% Fixture	21.8	1.2	23.1
Street Side	Lumens	2417.0	31.4	2448.4
	% Fixture	76.0	1.0	76.9
Total	Lumens	3111.5	70.6	3182.0
	% Fixture	97.8	2.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	26.6	0.8
20°-30°	103.8	3.3
30°-40°	223.4	7.0
40°-50°	364.0	11.4
50°-60°	586.0	18.4
60°-70°	853.6	26.8
70°-80°	761.5	23.9
80°-90°	190.8	6.0
90°-100°	55.9	1.8
100°-110°	8.3	0.3
110°-120°	2.4	0.1
120°-130°	1.6	0.1
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3111.5	97.8
0°-180°	3182.0	100.0



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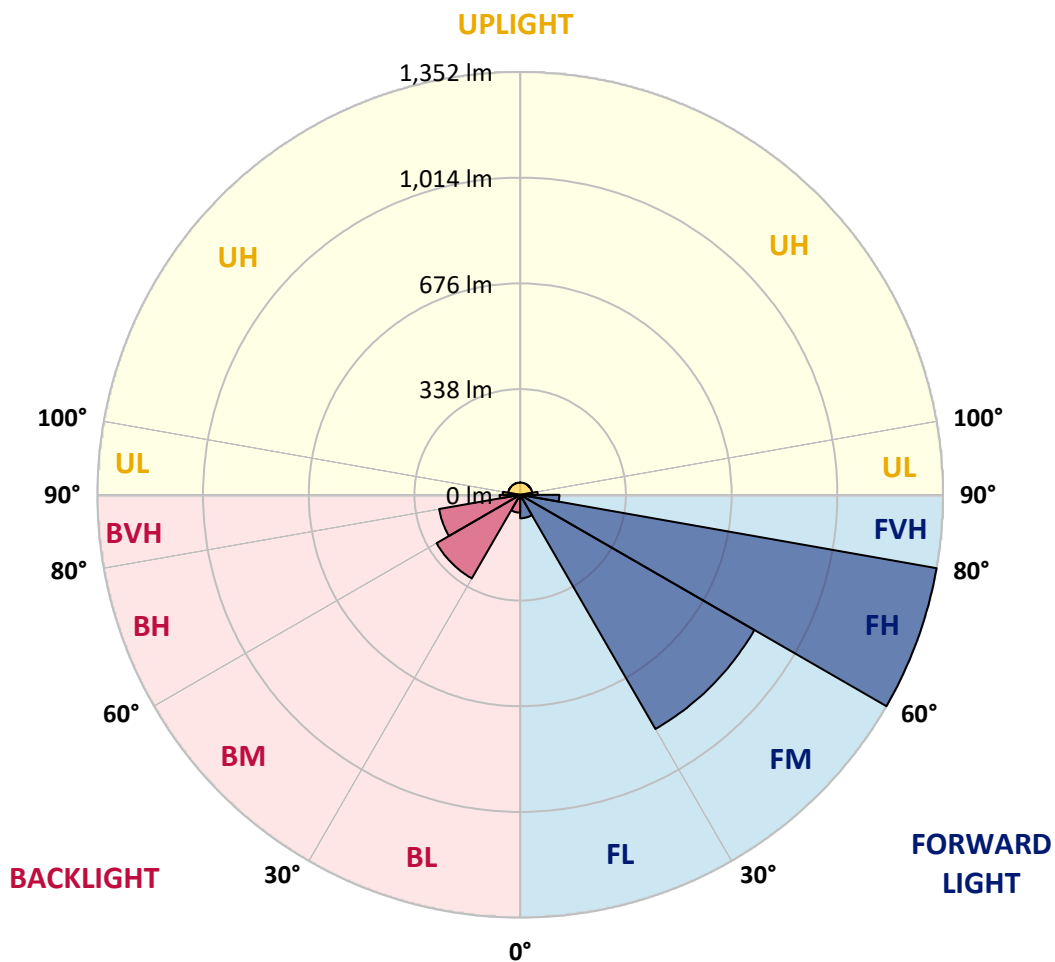
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	75.0	2.4			
FM	(30°-60°)	864.7	27.2			
FH	(60°-80°)	1352.0	42.5			G1/1800
FVH	(80°-90°)	125.2	3.9			G2/225
BL	(0°-30°)	57.1	1.8	B0/110		
BM	(30°-60°)	308.8	9.7	B1/1000		
BH	(60°-80°)	263.1	8.3	B1/500		G1/500
BVH	(80°-90°)	65.5	2.1			G1/100
UL	(90°-100°)	55.9	1.8		U3/500	
UH	(100°-180°)	39.1	1.2		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	4.6	3.5	3.2	2.8	2.8	2.5	2.5	2.1	2.1	2.1	2.1
5°	44.6	43.1	40.0	37.1	12.7	10.6	8.8	6.7	2.5	2.5	2.1
7.5°	53.4	52.3	50.2	48.8	46.7	43.5	40.0	18.7	7.4	2.8	2.5
10°	70.0	64.7	60.5	56.9	54.5	49.2	47.7	44.9	12.4	5.3	3.9
12.5°	125.2	122.4	118.1	80.3	66.1	56.6	54.5	52.0	40.3	19.1	34.3
15°	137.9	135.1	130.8	125.5	117.8	69.7	65.4	81.3	104.0	78.2	81.7
17.5°	162.0	160.5	149.2	136.5	128.7	136.9	137.2	124.5	118.1	103.3	94.1
20°	224.6	223.1	216.8	184.2	145.7	172.9	172.2	165.9	132.6	152.4	164.1
22.5°	233.8	232.0	226.3	217.5	230.6	189.5	185.0	185.0	195.6	207.2	193.1
25°	307.7	305.9	262.8	228.8	247.2	225.6	226.3	250.4	216.4	227.4	217.1
27.5°	321.5	319.0	315.4	292.8	260.3	285.7	281.8	268.8	281.5	314.0	303.1
30°	375.2	348.0	336.3	323.2	307.3	302.7	300.9	324.6	333.8	331.7	334.9
32.5°	435.3	434.3	422.9	344.8	347.6	325.3	354.0	364.6	350.5	402.8	436.4
35°	523.0	487.0	465.0	413.0	361.8	376.3	366.4	377.3	425.8	430.7	462.9
37.5°	657.4	655.3	605.1	455.8	417.3	385.1	392.2	422.6	454.4	461.5	505.0
40°	768.4	758.2	726.4	568.3	453.7	416.6	444.9	438.2	471.7	496.5	538.2
42.5°	850.8	860.4	842.4	657.8	526.9	466.4	474.9	466.1	497.2	543.5	586.0
45°	929.7	925.8	938.2	748.6	597.3	530.5	529.7	508.2	543.9	595.9	651.7
47.5°	994.1	988.4	1001.1	847.3	678.3	588.4	593.4	565.5	599.8	661.3	749.4
50°	1065.9	1054.9	1063.4	930.1	784.0	672.3	665.5	644.0	663.4	747.2	868.5
52.5°	1152.1	1144.4	1129.2	1012.5	892.9	758.5	750.1	729.2	750.4	854.0	1000.4
55°	1229.6	1220.7	1208.4	1126.0	983.5	846.2	846.6	825.7	867.1	970.7	1153.6
57.5°	1310.2	1306.0	1312.3	1252.9	1112.9	937.8	940.0	927.2	1001.5	1090.6	1315.9
60°	1377.1	1370.7	1406.0	1382.7	1227.8	1042.5	1034.0	1047.8	1138.7	1215.8	1480.3
62.5°	1402.5	1406.8	1473.6	1502.2	1339.2	1155.3	1158.5	1177.2	1265.7	1365.7	1638.7
65°	1283.0	1297.8	1484.6	1523.1	1463.3	1280.5	1295.7	1292.5	1395.8	1476.1	1772.4
67.5°	1153.2	1170.2	1373.2	1528.4	1559.5	1427.6	1435.4	1403.9	1507.9	1545.0	1872.1
70°	1061.3	1074.3	1241.3	1498.3	1618.6	1581.1	1584.6	1526.3	1589.2	1626.0	1868.6
72.5°	902.1	915.9	1070.1	1384.8	1655.4	1767.1	1767.1	1638.4	1655.0	1624.2	1650.1
75°	609.7	615.0	741.2	1075.0	1560.2	1918.8	1937.2	1760.7	1632.4	1475.4	1230.6
76°	437.8	454.1	559.8	882.7	1417.0	1901.5	1970.4	1785.5	1588.2	1376.7	1012.8
77.5°	232.0	246.8	330.3	565.1	1149.3	1768.2	1887.3	1709.5	1448.1	1181.8	749.0
80°	90.9	89.8	113.5	201.2	582.1	1344.9	1444.2	1260.0	979.6	684.6	355.8
82.5°	49.9	54.8	72.1	106.4	252.5	741.9	815.8	664.8	500.0	315.8	207.9
85°	31.8	32.5	42.4	65.8	156.0	312.6	343.4	284.7	234.1	193.8	147.8
87.5°	19.1	19.8	22.3	30.4	77.1	91.9	100.4	118.1	134.4	133.3	127.7
90°	13.1	13.1	11.0	12.0	36.1	73.6	70.7	75.3	68.6	87.0	123.1
92.5°	12.7	12.7	10.6	11.0	30.8	81.7	82.0	81.7	72.5	88.8	129.4
95°	11.3	11.7	9.2	9.5	22.6	76.4	89.8	87.0	73.2	89.5	129.1
97.5°	9.5	9.9	7.1	8.1	15.2	51.6	66.8	68.3	45.6	45.3	58.3
100°	7.1	7.4	5.0	6.4	9.2	23.7	35.7	33.6	22.6	12.4	8.1
102.5°	6.7	7.1	4.2	5.0	5.7	8.1	13.1	9.9	8.5	7.1	7.1
105°	7.4	7.4	3.9	3.5	3.5	3.9	3.2	4.6	5.0	5.3	7.4
107.5°	6.4	6.7	2.8	2.8	2.5	2.5	2.1	2.1	2.8	4.6	8.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
110°	5.0	5.0	2.5	2.5	1.8	2.1	2.1	1.8	2.5	3.5	6.4
112.5°	2.8	3.2	1.4	2.1	1.4	1.8	1.8	1.4	2.1	2.5	3.5
115°	2.8	2.8	1.4	1.1	1.1	1.1	1.4	1.4	1.8	2.5	3.9
117.5°	2.8	2.8	1.4	1.1	0.7	1.1	1.1	1.1	1.8	2.5	3.9
120°	2.8	2.8	1.4	0.7	0.7	0.7	0.7	1.1	1.8	2.5	3.9
122.5°	3.2	2.8	1.4	0.7	0.7	0.7	0.7	1.1	1.8	2.5	3.5
125°	3.2	2.8	1.4	0.7	0.7	0.7	0.7	1.1	1.4	2.1	3.2
127.5°	3.2	2.8	1.4	0.7	0.7	0.7	0.7	1.1	1.4	2.1	2.8
130°	2.8	2.8	1.4	0.7	0.7	0.7	0.7	1.1	1.4	2.1	2.8
132.5°	2.8	2.5	1.4	0.7	0.7	0.7	0.7	1.1	1.4	1.8	2.5
135°	2.5	2.1	1.4	0.7	1.1	0.7	1.1	1.1	1.4	1.8	2.1
137.5°	2.1	2.1	1.4	1.1	1.1	1.1	1.1	1.1	1.4	1.8	1.8
140°	2.5	2.1	1.4	1.4	1.1	1.1	1.1	1.1	1.4	1.8	1.8
142.5°	2.8	2.5	1.8	1.4	1.4	1.1	1.1	1.4	1.4	1.8	1.8
145°	2.8	2.8	2.1	1.8	1.1	1.1	1.1	1.4	1.8	1.8	2.1
147.5°	3.2	2.8	2.1	1.8	1.1	0.7	1.1	1.1	1.8	2.1	2.1
150°	2.8	2.8	1.8	1.4	0.7	0.4	0.7	1.1	1.8	2.1	2.1
152.5°	2.1	2.1	1.4	0.7	0.4	0.4	0.7	1.1	1.4	1.8	2.1
155°	1.4	1.4	0.7	0.4	0.0	0.4	0.4	0.7	1.1	1.4	1.8
157.5°	0.7	0.7	0.4	0.0	0.0	0.4	0.4	0.7	1.1	1.4	1.4
160°	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.7	0.7	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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.1	1.8	1.8	1.4	1.4	1.1	1.1	1.1	1.1	1.4	1.8
5°	2.1	2.1	1.8	1.8	1.8	1.4	1.4	2.1	2.5	2.8	2.8
7.5°	2.1	2.1	2.1	1.8	2.1	2.8	11.3	32.5	35.7	37.8	38.5
10°	3.9	3.5	3.2	2.8	5.3	36.1	44.6	48.4	50.2	52.0	52.0
12.5°	37.1	37.1	15.2	8.5	36.4	48.4	50.9	53.8	56.2	58.7	59.1
15°	80.6	79.6	76.7	70.4	60.8	54.8	57.3	84.9	99.7	106.4	105.4
17.5°	92.3	90.9	89.1	101.5	105.7	84.5	98.7	109.6	112.8	116.3	116.0
20°	171.2	169.4	131.9	118.1	115.6	141.8	112.8	115.3	120.9	154.2	155.2
22.5°	191.7	189.5	176.5	180.0	135.1	153.8	148.9	156.0	174.0	179.3	180.0
25°	224.6	216.1	200.2	188.1	191.3	160.5	185.3	173.6	180.4	186.7	187.8
27.5°	310.8	305.9	277.6	210.8	195.2	200.9	193.1	188.8	225.6	239.1	240.1
30°	334.9	329.9	294.6	244.0	205.8	205.8	194.5	235.5	237.3	244.4	246.1
32.5°	455.1	445.2	374.5	247.9	213.6	196.6	220.3	232.0	260.3	281.5	285.0
35°	483.1	474.6	386.5	283.3	206.5	204.8	207.9	244.4	265.2	278.0	280.8
37.5°	512.1	502.5	385.1	269.8	218.9	195.2	202.3	228.4	258.5	291.4	295.6
40°	551.7	540.0	386.9	252.5	205.1	184.6	189.9	219.3	239.8	260.3	263.8
42.5°	604.7	581.4	390.1	236.9	189.2	180.0	181.1	198.0	207.6	216.1	216.1
45°	676.1	638.3	391.1	220.7	173.3	169.4	170.8	178.6	182.1	176.8	174.3
47.5°	772.0	708.7	404.2	206.2	159.8	157.7	158.8	161.3	159.5	145.7	143.2
50°	883.7	791.4	411.3	193.4	149.9	149.6	147.8	147.8	141.5	125.9	124.8
52.5°	1007.2	890.1	417.3	177.9	142.9	144.6	144.6	137.2	127.7	115.3	114.2
55°	1163.8	1004.0	426.1	164.4	136.9	136.5	140.4	131.2	121.3	110.7	110.7
57.5°	1319.4	1124.6	436.7	152.8	130.1	130.8	136.5	129.1	123.8	119.5	119.2
60°	1475.0	1249.0	419.8	142.2	127.7	126.2	135.4	137.2	130.8	133.3	135.8
62.5°	1621.1	1328.6	351.5	133.0	123.1	125.2	144.6	155.6	153.5	151.0	151.7
65°	1690.0	1344.9	285.0	124.8	119.9	132.6	159.5	176.1	169.0	160.9	160.2
67.5°	1701.7	1302.8	209.7	119.9	118.1	145.7	171.2	180.7	170.1	166.9	164.1
70°	1619.6	1196.0	167.6	114.6	119.5	147.8	178.6	179.6	171.9	175.4	171.9
72.5°	1377.4	996.2	146.8	109.6	119.9	142.5	178.6	180.0	171.2	181.4	179.6
75°	986.3	698.4	130.5	105.4	116.0	136.5	176.1	179.6	169.0	180.4	177.5
76°	803.5	554.1	125.9	106.4	114.2	134.4	175.4	178.6	169.4	179.6	176.8
77.5°	530.8	362.1	118.1	105.7	111.0	133.3	173.6	177.2	169.0	177.5	174.7
80°	284.0	205.1	106.4	98.7	107.2	134.0	172.2	173.6	162.3	171.9	168.3
82.5°	187.1	152.8	91.9	89.5	103.3	135.1	171.5	169.4	156.7	171.9	162.3
85°	146.8	126.2	69.0	71.8	94.1	130.5	169.4	163.4	151.7	156.0	150.3
87.5°	124.5	104.0	41.4	51.3	82.4	111.0	150.3	135.1	128.4	132.6	130.1
90°	117.1	91.9	23.3	36.1	61.9	73.9	94.8	88.1	85.2	90.2	89.1
92.5°	118.1	89.8	23.0	34.3	66.1	79.6	98.0	90.2	81.7	81.7	80.6
95°	112.8	83.8	22.6	27.2	59.8	77.4	91.9	81.0	65.8	62.6	61.5
97.5°	49.2	40.7	21.2	20.9	34.3	53.4	66.8	58.0	43.5	33.9	33.9
100°	8.1	13.1	18.4	20.2	20.2	28.3	37.8	35.7	20.9	11.0	11.3
102.5°	8.5	7.4	12.7	16.6	13.1	11.7	17.3	21.6	13.8	4.2	4.6
105°	8.8	7.8	6.4	11.7	7.4	3.9	5.3	9.9	6.4	4.2	4.2
107.5°	9.5	8.1	3.9	4.2	3.2	3.2	2.8	2.5	3.2	4.2	4.6



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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.4	6.7	3.5	3.2	2.8	3.2	2.1	2.1	2.5	4.2	4.6
112.5°	4.2	4.2	3.2	2.5	2.5	2.8	1.8	1.8	2.5	4.6	4.6
115°	4.2	4.2	2.8	2.1	1.8	2.1	1.8	1.4	2.5	4.6	5.0
117.5°	4.2	4.2	2.8	2.1	1.8	1.4	1.4	1.4	2.5	4.6	5.0
120°	4.2	3.9	2.5	1.8	1.8	1.1	1.1	1.1	2.1	4.6	5.0
122.5°	3.9	3.9	2.5	1.8	1.4	1.1	1.1	1.1	2.1	4.2	4.6
125°	3.5	3.5	2.5	1.8	1.4	1.1	0.7	1.1	2.1	3.9	4.2
127.5°	3.2	3.2	2.1	1.8	1.4	1.1	0.7	1.1	2.1	3.9	4.2
130°	2.8	2.8	2.1	1.4	1.4	0.7	0.7	0.7	2.1	3.5	3.9
132.5°	2.5	2.5	1.8	1.4	1.1	0.7	0.4	0.7	1.8	3.2	3.2
135°	2.1	2.1	1.8	1.4	1.1	0.7	0.4	0.7	1.4	2.5	2.8
137.5°	1.8	1.8	1.4	1.4	1.1	0.7	0.4	0.7	1.1	2.1	2.1
140°	1.8	1.8	1.4	1.4	1.1	0.7	0.4	0.7	1.1	1.8	2.1
142.5°	1.8	1.8	1.4	1.4	1.1	0.7	0.4	0.7	1.1	1.8	2.1
145°	2.1	1.8	1.8	1.4	1.1	0.7	0.4	0.7	1.4	2.1	2.1
147.5°	2.1	2.1	1.8	1.4	1.1	0.7	0.4	0.7	1.4	2.1	2.1
150°	2.1	2.1	1.8	1.4	1.1	0.4	0.0	0.4	1.1	1.8	2.1
152.5°	2.1	1.8	1.4	1.1	0.7	0.4	0.0	0.0	0.7	1.4	1.4
155°	1.8	1.4	1.4	1.1	0.7	0.4	0.0	0.0	0.4	0.7	0.7
157.5°	1.4	1.4	1.1	0.7	0.4	0.4	0.0	0.0	0.0	0.4	0.4
160°	1.1	1.1	0.7	0.7	0.4	0.0	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)