

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: P414838

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T2U-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414838
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-15)
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-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2806 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U2 - G1

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

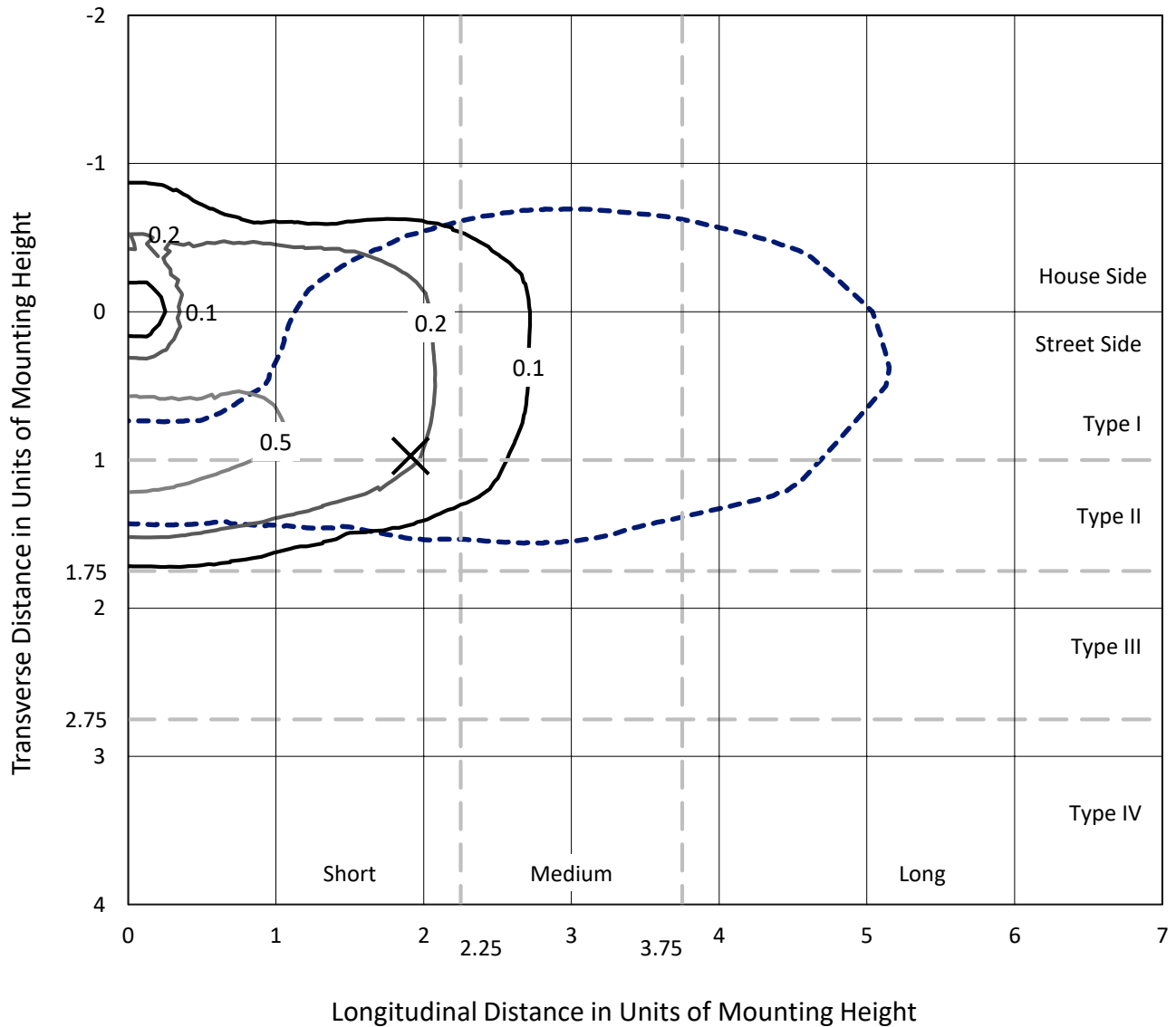


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

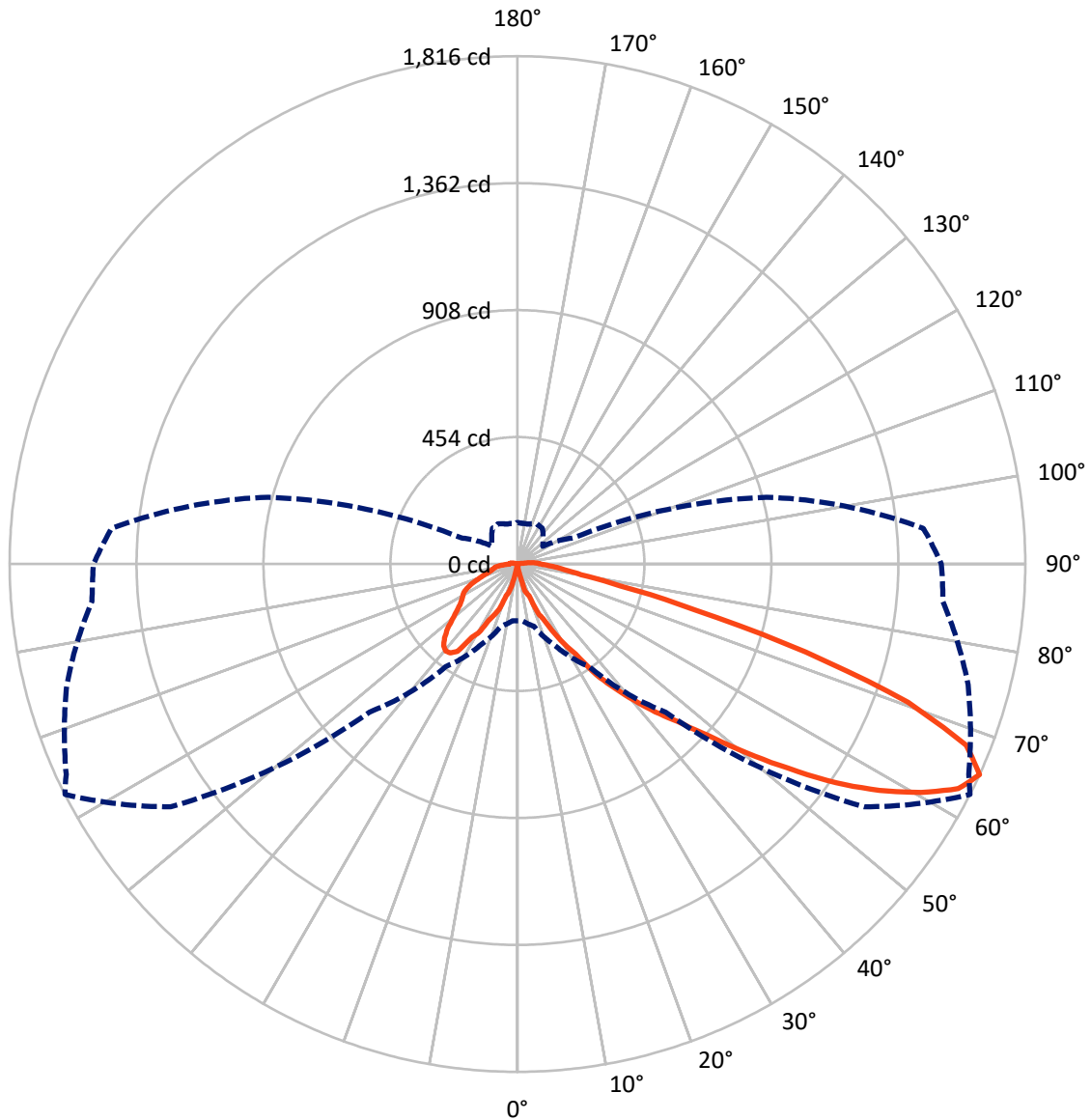


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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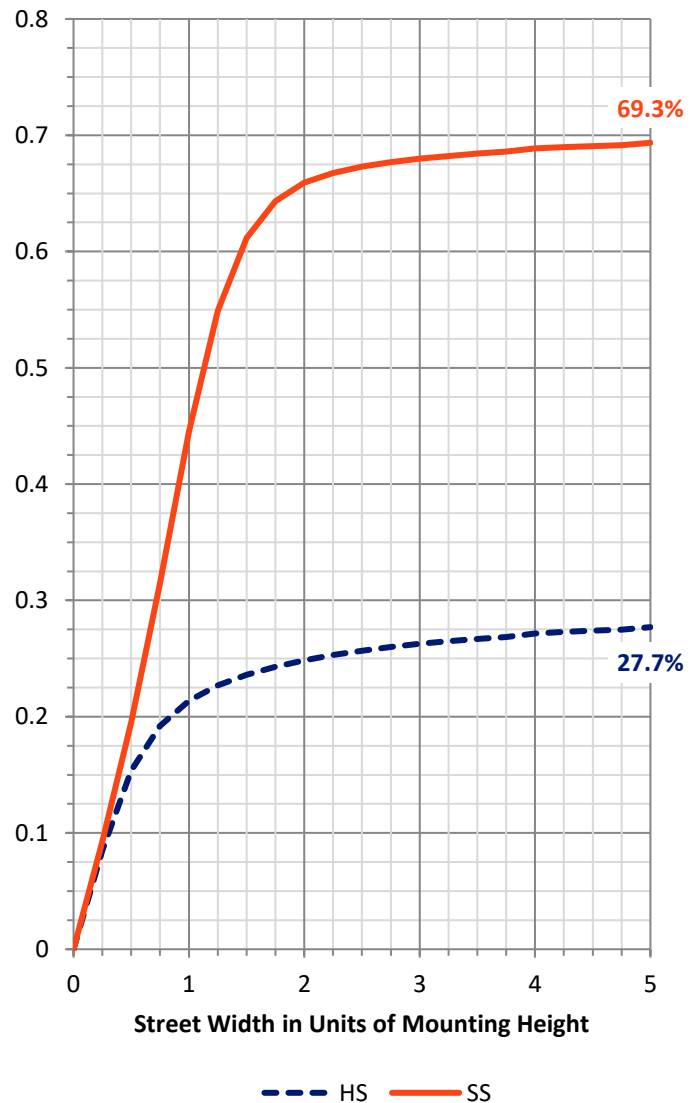
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	798.6	23.2	821.8
	% Fixture	28.5	0.8	29.3
Street Side	Lumens	1962.7	21.6	1984.3
	% Fixture	69.9	0.8	70.7
Total	Lumens	2761.2	44.8	2806.0
	% Fixture	98.4	1.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	25.2	0.9
20°-30°	103.1	3.7
30°-40°	267.9	9.5
40°-50°	509.3	18.2
50°-60°	685.6	24.4
60°-70°	649.5	23.1
70°-80°	407.0	14.5
80°-90°	111.8	4.0
90°-100°	31.3	1.1
100°-110°	5.8	0.2
110°-120°	2.8	0.1
120°-130°	2.1	0.1
130°-140°	1.3	0.0
140°-150°	1.1	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2761.2	98.4
0°-180°	2806.0	100.0



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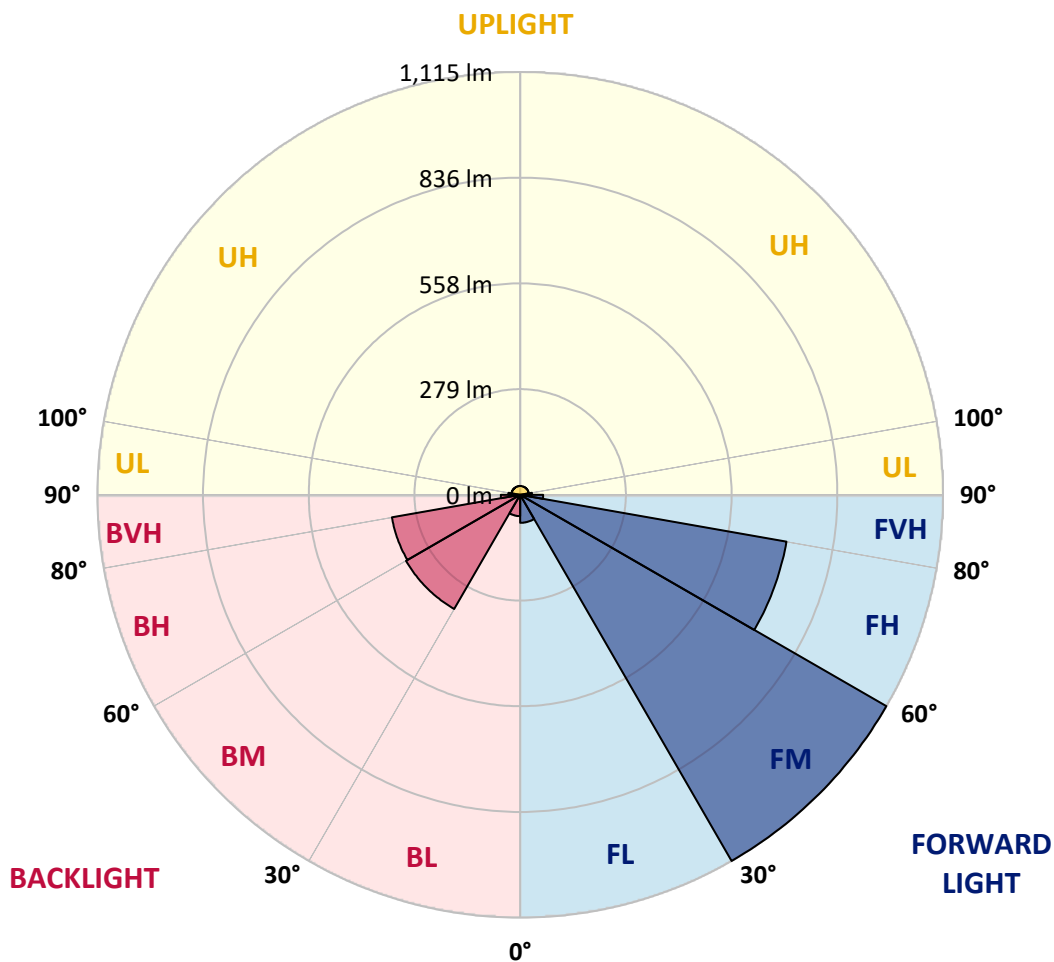
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.8	2.6			
FM	(30°-60°)	1115.1	39.7			
FH	(60°-80°)	713.1	25.4			G1/1800
FVH	(80°-90°)	60.6	2.2			G1/100
BL	(0°-30°)	56.2	2.0	B0/110		
BM	(30°-60°)	347.7	12.4	B1/1000		
BH	(60°-80°)	343.5	12.2	B1/500		G1/500
BVH	(80°-90°)	51.1	1.8			G1/100
UL	(90°-100°)	31.3	1.1		U2/50	
UH	(100°-180°)	23.2	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.7	3.4	3.7	3.7	3.4	3.1	2.8	2.5	2.2	1.6	1.2
5°	43.8	44.1	43.5	42.6	15.2	6.8	4.0	3.1	2.8	1.9	1.6
7.5°	50.3	50.0	49.7	49.1	46.9	44.1	23.9	5.6	4.4	2.5	1.6
10°	55.3	54.7	53.1	52.8	50.7	49.1	45.4	29.2	24.6	4.4	3.1
12.5°	100.7	98.5	96.7	79.9	55.9	52.8	50.7	44.1	43.2	27.7	41.3
15°	105.4	105.7	104.4	102.6	98.2	65.9	82.0	99.4	99.1	85.8	84.5
17.5°	119.6	118.7	114.1	109.4	107.8	117.2	116.2	110.9	110.9	98.2	92.9
20°	184.9	183.4	180.6	150.4	133.9	151.3	142.0	123.7	124.3	151.7	164.7
22.5°	214.1	213.5	207.9	194.5	189.6	166.9	187.1	193.6	189.9	192.1	184.0
25°	293.1	290.0	265.4	241.8	244.6	225.3	225.0	221.0	218.8	209.2	223.8
27.5°	372.9	370.4	364.8	331.6	282.5	271.6	254.2	277.5	271.3	293.7	298.7
30°	494.1	471.4	424.2	401.8	385.7	333.8	328.8	335.9	334.1	327.9	322.3
32.5°	620.3	611.0	583.3	501.6	450.3	420.5	405.9	383.8	373.6	440.4	445.0
35°	752.1	743.4	675.6	628.1	540.1	491.6	483.6	486.7	473.0	505.6	497.9
37.5°	983.9	979.6	911.5	763.9	671.9	577.1	565.9	562.2	540.7	564.4	564.7
40°	1132.8	1125.6	1050.4	941.6	793.4	714.5	660.1	638.6	633.0	634.3	634.6
42.5°	1243.4	1231.9	1188.1	1088.0	933.3	840.6	763.9	722.6	733.7	712.0	710.7
45°	1315.2	1309.0	1269.2	1185.6	1078.4	1032.4	896.6	803.4	841.0	802.1	800.2
47.5°	1331.4	1328.6	1300.9	1258.9	1214.2	1194.9	1056.6	914.0	948.5	931.4	896.6
50°	1261.1	1263.6	1253.4	1268.6	1317.4	1339.4	1225.4	1060.7	1079.6	1038.9	994.5
52.5°	1107.6	1107.3	1144.6	1212.0	1355.3	1443.5	1381.7	1213.3	1212.3	1138.7	1088.3
55°	889.1	905.9	969.0	1073.7	1303.4	1491.4	1529.9	1381.1	1355.0	1255.2	1171.9
57.5°	677.5	699.2	776.6	871.7	1155.8	1457.5	1637.8	1526.8	1499.8	1360.3	1260.5
60°	458.4	466.8	564.4	674.4	919.3	1327.3	1688.4	1658.3	1628.5	1467.5	1350.0
62.5°	305.5	313.0	368.9	502.8	659.2	1078.7	1655.8	1769.2	1729.8	1594.3	1443.5
65°	203.2	203.2	230.9	323.5	448.4	749.0	1512.9	1815.5	1779.8	1667.6	1526.5
67.5°	149.8	152.3	161.3	208.5	305.5	448.1	1203.3	1730.1	1733.8	1676.0	1552.9
70°	135.8	137.4	145.1	157.3	218.2	266.6	795.3	1482.1	1546.4	1612.6	1519.1
72.5°	118.7	119.3	131.8	144.8	171.9	204.5	462.4	1077.1	1212.3	1474.6	1425.8
75°	99.4	100.4	110.3	129.9	148.6	171.5	246.1	655.7	790.3	1266.1	1302.5
77.5°	80.8	83.0	91.1	106.3	136.4	143.9	189.0	374.8	457.8	942.9	1101.1
80°	62.2	64.3	71.5	83.6	111.6	127.1	156.9	230.6	277.5	586.1	769.5
82.5°	42.6	44.1	51.3	60.3	79.9	106.0	129.9	170.0	183.7	320.7	424.5
85°	30.1	31.1	35.7	39.8	49.7	69.6	108.5	134.9	138.6	170.0	172.8
87.5°	17.1	16.8	17.4	20.2	22.7	27.0	64.0	98.8	103.5	118.4	110.0
90°	11.8	11.5	9.6	9.3	10.6	11.5	36.4	78.6	82.7	95.4	97.9
92.5°	12.4	11.8	9.3	8.7	9.9	10.6	24.2	68.7	77.4	95.4	100.7
95°	11.8	11.2	8.4	7.5	9.0	9.3	14.9	47.2	60.9	89.2	98.5
97.5°	10.3	9.6	6.8	6.2	7.5	7.5	8.4	21.8	29.8	41.6	46.9
100°	8.4	7.8	5.6	5.0	5.3	5.6	5.3	10.9	10.9	11.5	9.0
102.5°	7.5	7.1	4.7	4.0	3.7	3.7	3.4	5.3	5.6	6.2	7.8
105°	6.5	6.2	4.0	3.4	2.8	2.8	2.5	3.4	3.7	5.3	7.5
107.5°	4.7	4.7	3.4	2.8	2.5	2.5	1.9	2.8	3.1	4.7	7.8
110°	3.1	3.1	2.5	2.5	2.2	2.5	1.9	2.8	2.8	3.7	5.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
112.5°	2.5	2.5	2.2	1.9	1.6	1.9	2.2	2.5	2.5	2.8	3.7
115°	2.5	2.2	1.9	1.6	1.2	1.6	1.6	2.2	2.2	2.8	3.7
117.5°	2.5	2.5	1.9	1.6	1.2	1.2	1.6	1.9	1.9	2.8	4.0
120°	2.5	2.5	1.9	1.6	1.2	0.9	1.2	1.9	1.9	2.5	3.7
122.5°	2.5	2.5	1.9	1.6	1.2	0.9	1.2	1.6	1.6	2.2	3.7
125°	2.8	2.8	2.2	1.6	1.2	0.9	1.2	1.2	1.2	2.2	3.4
127.5°	2.8	2.8	2.2	1.6	1.2	0.9	1.2	1.2	1.2	1.9	2.8
130°	2.8	2.8	2.2	1.6	1.2	0.9	1.2	0.9	0.9	1.6	2.5
132.5°	2.8	2.5	2.2	1.9	1.6	1.2	1.2	0.9	0.9	0.9	1.9
135°	2.5	2.5	2.2	1.9	1.6	1.2	1.2	0.9	0.9	0.9	1.2
137.5°	2.5	2.5	2.5	2.2	1.9	1.6	1.2	0.9	0.9	0.9	0.9
140°	2.8	2.8	2.8	2.5	1.9	1.6	1.2	0.9	0.9	0.9	0.9
142.5°	3.1	3.1	3.1	2.8	1.9	1.6	1.6	0.9	0.9	0.9	0.9
145°	3.4	3.4	3.4	2.8	1.9	1.6	1.6	1.2	1.2	0.9	1.2
147.5°	3.7	3.7	3.4	2.8	1.6	1.2	1.2	1.2	1.2	1.2	1.2
150°	3.4	3.1	3.1	2.2	1.2	0.6	0.9	0.9	0.9	1.2	1.2
152.5°	2.5	2.5	2.2	1.6	0.9	0.3	0.6	0.6	0.9	0.9	0.9
155°	1.6	1.6	1.2	0.9	0.6	0.3	0.3	0.6	0.6	0.6	0.6
157.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3
160°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.2	1.2	1.6	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2
5°	1.2	1.2	1.6	1.9	2.2	2.5	2.8	2.8	2.8	3.1	3.1
7.5°	1.6	1.6	1.6	2.2	2.5	3.4	9.3	28.0	43.2	44.4	45.1
10°	3.1	3.1	3.1	3.1	6.8	39.8	49.4	51.6	52.8	53.8	53.8
12.5°	41.6	41.3	14.9	7.5	34.2	51.6	54.7	56.3	57.5	58.4	58.7
15°	84.5	84.8	84.8	85.8	62.2	56.3	59.4	87.6	103.8	106.9	108.1
17.5°	92.6	92.6	92.3	102.9	115.6	91.4	101.9	111.3	114.4	115.9	116.5
20°	169.1	168.8	136.1	118.1	122.1	151.7	114.1	118.4	120.9	144.2	144.8
22.5°	186.5	185.5	181.5	182.4	143.9	164.1	156.3	151.7	166.3	165.6	166.3
25°	229.0	206.7	198.0	196.1	208.5	170.6	181.2	156.9	160.7	160.0	160.7
27.5°	299.9	291.8	271.6	229.7	222.2	210.7	181.5	164.7	185.2	189.9	190.5
30°	321.7	311.4	290.0	291.8	247.7	214.4	176.8	182.4	175.3	174.7	173.4
32.5°	441.0	427.6	395.3	318.2	276.0	201.4	177.8	166.0	169.7	182.1	182.7
35°	491.3	476.1	453.4	406.2	267.6	197.7	162.5	161.9	164.4	164.7	164.1
37.5°	548.5	528.6	507.2	427.9	279.4	179.0	151.7	152.0	157.6	168.4	167.2
40°	615.0	593.0	558.2	440.7	250.8	167.8	144.5	149.2	155.1	152.6	150.4
42.5°	689.9	653.9	599.2	438.2	218.2	154.8	142.6	145.8	144.8	140.2	138.9
45°	767.3	729.1	639.3	417.4	188.6	146.4	139.2	140.2	136.4	130.5	129.3
47.5°	856.5	806.1	662.0	386.9	165.0	145.8	138.3	135.2	128.0	122.8	122.4
50°	946.3	891.3	697.4	346.2	147.3	143.3	140.5	133.9	125.2	120.0	119.3
52.5°	1034.3	986.1	735.6	312.0	133.9	140.5	141.4	134.6	125.2	117.5	117.2
55°	1122.5	1080.3	776.9	285.0	124.9	140.2	144.8	136.4	127.1	115.6	115.3
57.5°	1211.1	1170.1	816.7	267.0	120.9	136.1	147.0	142.3	132.1	122.4	123.1
60°	1316.1	1267.7	863.6	254.2	119.3	133.9	148.9	149.2	135.2	124.3	125.9
62.5°	1419.3	1370.2	903.4	242.4	115.3	131.8	149.8	154.5	142.0	132.7	134.3
65°	1515.3	1456.9	921.8	219.7	110.3	129.3	155.4	159.1	147.3	146.4	148.2
67.5°	1552.0	1497.6	903.7	191.4	107.2	129.3	161.3	165.6	152.9	157.9	162.8
70°	1516.6	1471.2	858.4	156.0	108.1	130.2	162.2	168.8	161.0	165.0	169.4
72.5°	1406.6	1348.8	748.0	125.6	108.1	129.0	158.2	163.8	157.9	171.2	175.6
75°	1267.7	1167.0	595.4	103.5	105.0	128.3	148.9	155.4	149.5	163.5	168.1
77.5°	1047.0	918.0	411.8	91.4	100.7	122.8	139.2	140.5	134.6	143.0	145.1
80°	738.4	618.8	260.7	82.7	96.3	110.9	123.4	121.2	115.3	116.9	118.7
82.5°	411.8	327.2	152.0	76.1	90.4	92.3	101.0	101.6	93.9	94.2	94.5
85°	163.5	151.3	102.9	64.0	73.0	66.5	75.5	78.6	71.2	62.5	60.6
87.5°	108.5	102.9	71.8	43.8	44.8	37.6	49.1	51.0	42.0	36.4	36.0
90°	103.2	100.1	61.8	29.5	24.9	20.5	27.3	26.4	20.2	17.7	18.0
92.5°	106.3	104.4	62.8	28.3	24.2	19.6	24.2	20.8	15.2	13.4	13.7
95°	104.7	103.8	61.2	27.7	23.0	18.0	20.5	16.8	11.8	10.6	10.6
97.5°	49.7	52.5	37.9	24.9	20.5	15.2	15.8	12.7	8.4	7.8	7.5
100°	7.5	11.8	20.5	23.0	15.2	10.6	10.3	8.4	5.3	5.0	5.0
102.5°	7.8	8.4	12.7	15.8	8.4	5.6	5.6	5.0	4.0	4.7	4.7
105°	8.4	7.8	7.5	8.7	5.0	3.4	3.1	3.1	3.4	5.0	5.3
107.5°	9.0	8.4	5.9	4.7	3.7	3.1	2.5	2.2	3.1	5.3	5.6
110°	6.8	6.5	5.0	3.7	3.7	3.4	2.2	2.2	3.4	5.6	6.2



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CATALOG NUMBER: LXF.LXT-PA1-30-827-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.0	4.7	4.4	3.4	3.1	3.1	2.2	2.2	3.4	5.9	6.5
115°	4.4	4.4	3.7	2.8	2.5	2.5	2.2	1.9	3.4	6.2	6.5
117.5°	4.4	4.4	3.7	2.8	2.2	1.9	1.9	1.9	3.4	6.2	6.5
120°	4.4	4.4	3.7	2.5	2.2	1.9	1.9	1.9	3.4	5.9	6.5
122.5°	4.0	4.0	3.4	2.5	1.9	1.9	1.9	1.9	3.4	5.6	5.9
125°	3.7	3.7	3.1	2.2	1.9	1.6	1.9	1.9	3.1	5.0	5.3
127.5°	3.1	3.4	2.8	2.2	1.9	1.6	1.9	1.9	2.8	4.4	4.7
130°	2.8	2.8	2.5	1.9	1.6	1.6	1.9	1.9	2.8	4.0	4.4
132.5°	2.2	2.2	1.9	1.9	1.6	1.6	1.6	1.6	2.2	3.4	3.4
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9	2.5	2.8
137.5°	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2
140°	0.9	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.9	1.9
142.5°	0.9	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.9	2.2	2.2
145°	1.2	1.2	1.6	1.6	1.6	1.2	1.6	1.6	1.9	2.2	2.2
147.5°	1.2	1.2	1.6	1.6	1.6	1.2	1.2	1.6	1.9	2.2	2.2
150°	1.2	1.2	1.6	1.6	1.2	0.9	1.2	1.2	1.6	2.2	2.2
152.5°	1.2	1.2	1.2	1.2	0.9	0.6	0.9	0.9	1.2	1.6	1.6
155°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.9	0.9	1.2
157.5°	0.6	0.6	0.6	0.9	0.6	0.6	0.3	0.3	0.3	0.6	0.6
160°	0.3	0.3	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3
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)