

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: P414899

Luminaire Tested: **LXF.LXT-PA1-30-830-U-T3-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414899
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-12)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-830-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3031 lumens
Efficiency: N/A
Efficacy: 97.8 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 - U2 - G2

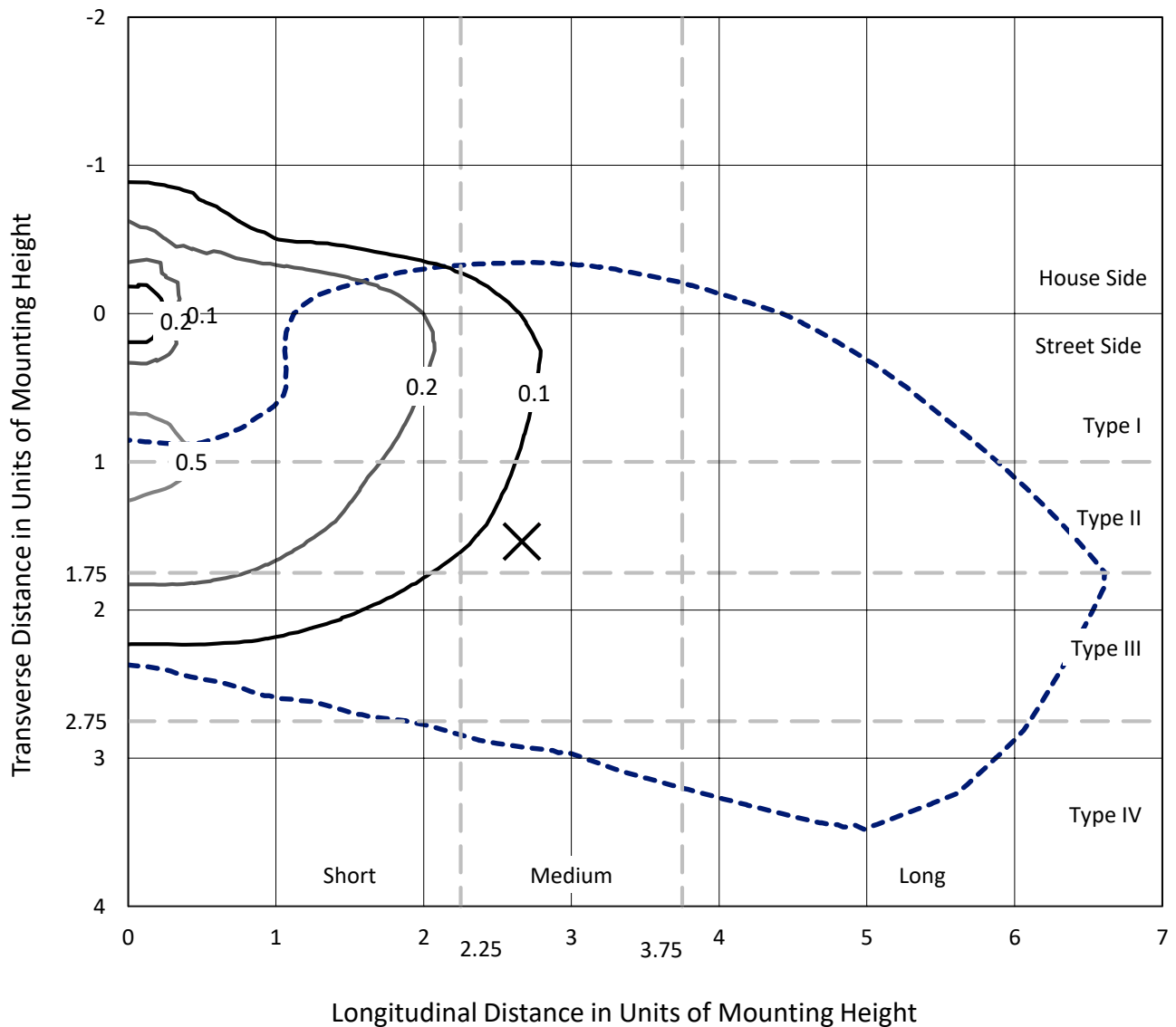
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

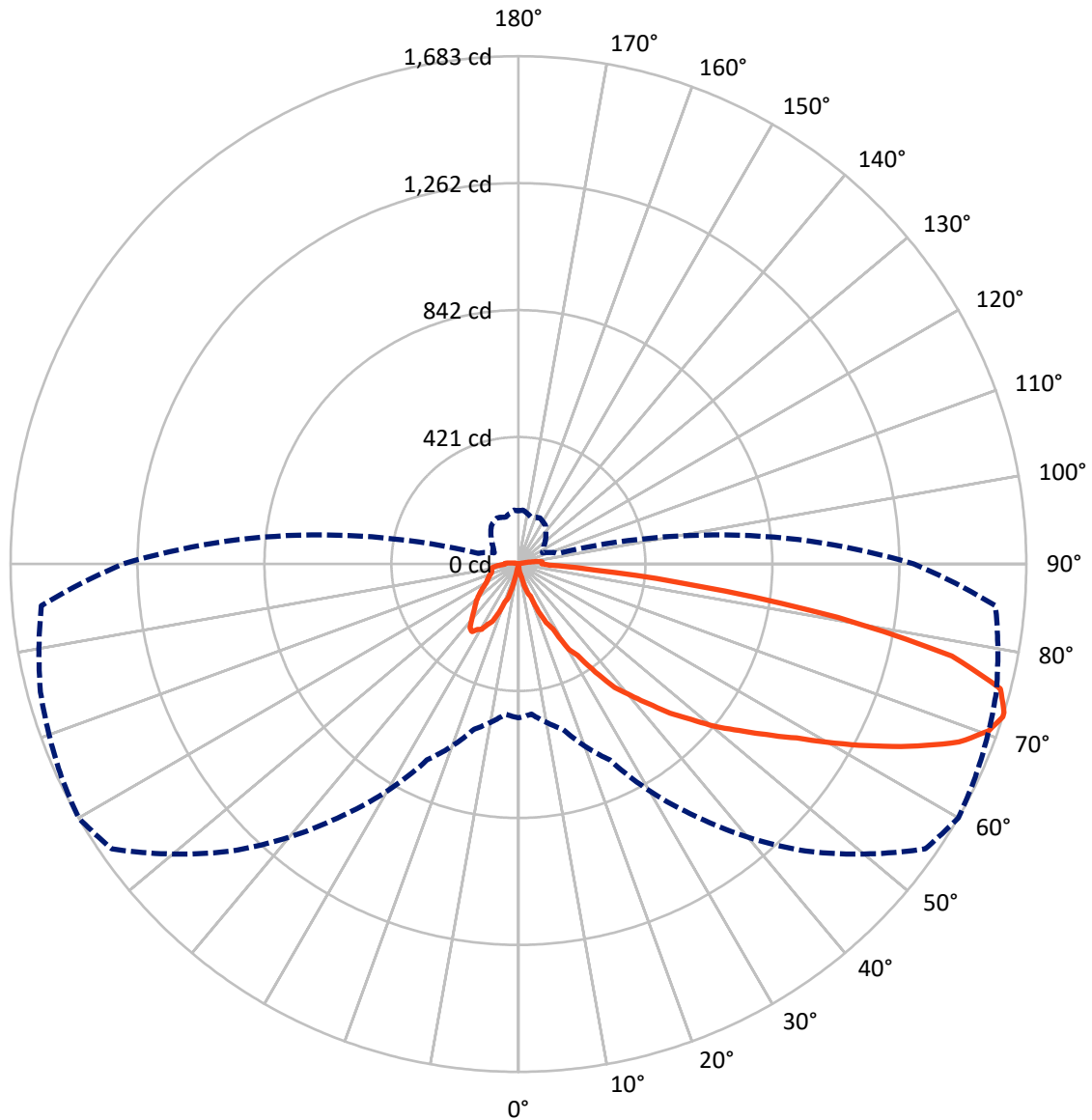
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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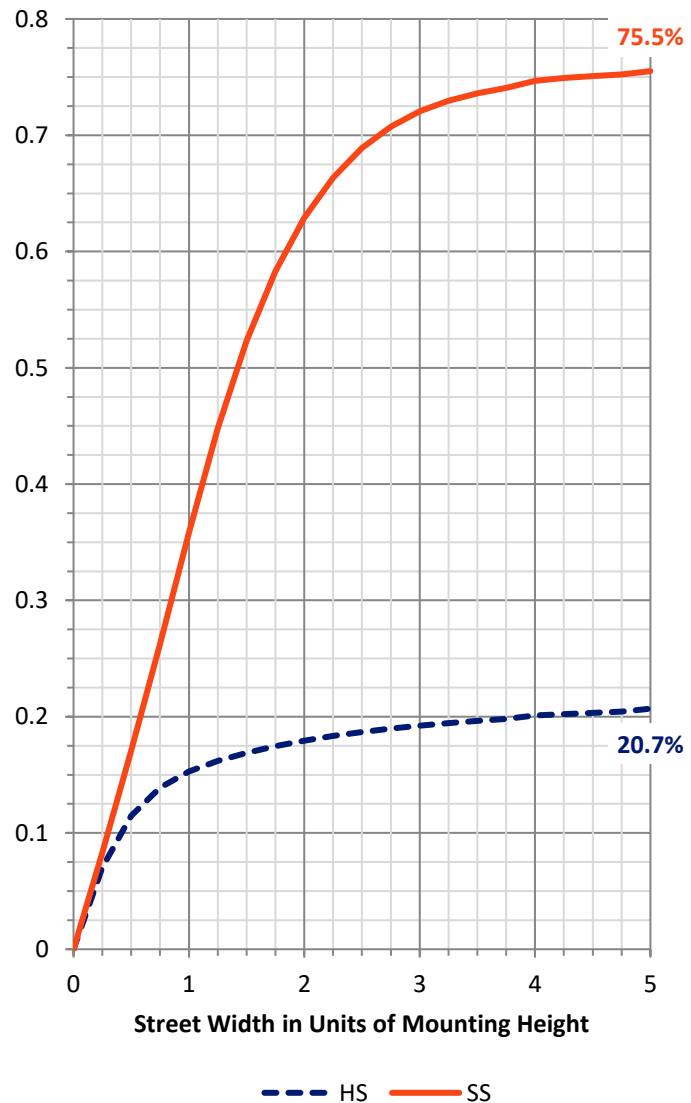
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	662.4	32.3	694.8
	% Fixture	21.9	1.1	22.9
Street Side	Lumens	2307.8	28.4	2336.2
	% Fixture	76.1	0.9	77.1
Total	Lumens	2970.3	60.7	3031.0
	% Fixture	98.0	2.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.1
10°-20°	24.8	0.8
20°-30°	103.3	3.4
30°-40°	238.7	7.9
40°-50°	419.2	13.8
50°-60°	633.6	20.9
60°-70°	781.2	25.8
70°-80°	603.1	19.9
80°-90°	164.8	5.4
90°-100°	44.7	1.5
100°-110°	7.8	0.3
110°-120°	3.0	0.1
120°-130°	2.1	0.1
130°-140°	1.4	0.0
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2970.3	98.0
0°-180°	3031.0	100.0



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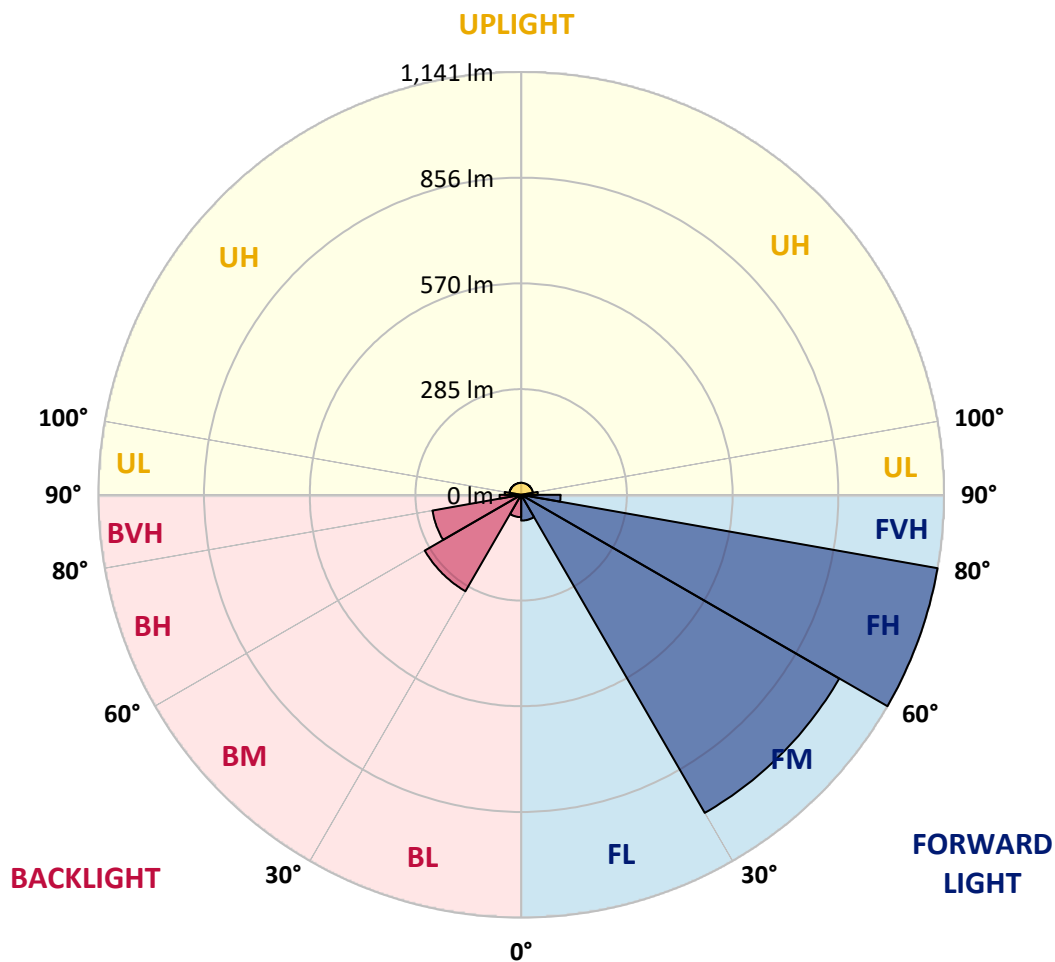
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	69.6	2.3			
FM	(30°-60°)	991.0	32.7			
FH	(60°-80°)	1140.9	37.6			G1/1800
FVH	(80°-90°)	106.4	3.5			G2/225
BL	(0°-30°)	60.2	2.0	B0/110		
BM	(30°-60°)	300.5	9.9	B1/1000		
BH	(60°-80°)	243.4	8.0	B1/500		G1/500
BVH	(80°-90°)	58.4	1.9			G1/100
UL	(90°-100°)	44.7	1.5		U2/50	
UH	(100°-180°)	32.3	1.1		U2/50	

BUG Rating: B1-U2-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	3.7	3.4	3.4	3.7	3.4	3.0	2.7	2.4	2.4	2.0
5°	37.6	36.6	36.3	29.2	13.4	10.4	4.7	3.7	3.0	2.4	2.0
7.5°	41.7	41.3	41.0	41.0	40.3	38.3	21.8	10.8	6.0	3.0	2.7
10°	47.7	47.0	45.0	44.0	43.0	42.3	39.3	37.3	16.8	5.0	4.4
12.5°	85.0	83.7	81.6	60.5	51.7	45.7	44.7	43.0	37.3	15.5	31.2
15°	91.4	91.1	89.7	88.7	86.0	57.1	69.2	79.0	89.4	72.9	81.3
17.5°	114.9	111.6	102.8	97.8	96.1	104.8	100.1	101.8	101.8	98.1	93.1
20°	171.7	169.3	165.0	145.5	109.5	135.1	132.4	112.6	115.9	143.5	166.7
22.5°	207.0	204.6	195.6	183.1	180.8	150.2	156.2	170.7	174.7	201.3	200.9
25°	280.9	276.5	257.0	220.4	225.1	193.9	218.1	214.7	204.3	221.8	227.8
27.5°	343.1	339.4	330.0	311.5	261.1	271.2	248.0	243.6	271.5	320.5	319.5
30°	411.6	391.4	366.2	360.5	323.2	307.4	313.5	327.9	338.4	343.1	354.8
32.5°	499.3	496.9	478.1	403.9	392.1	351.5	380.4	360.5	368.6	436.5	476.8
35°	560.1	566.2	532.9	488.5	432.8	431.8	419.7	439.5	478.1	487.5	515.4
37.5°	701.9	703.6	673.7	547.0	510.7	475.8	513.4	518.8	529.5	545.7	569.2
40°	808.8	793.6	756.7	662.6	583.6	545.7	572.5	571.9	595.4	625.0	639.7
42.5°	940.5	923.7	857.5	751.0	677.0	635.0	637.7	632.0	651.5	698.2	707.3
45°	1051.0	1043.6	992.6	880.3	780.2	729.8	711.7	704.6	714.3	773.1	778.2
47.5°	1155.5	1135.7	1102.4	988.9	930.1	838.3	786.2	769.4	772.5	839.3	854.1
50°	1266.1	1232.8	1191.8	1092.0	1049.3	974.7	871.9	845.7	846.7	908.5	933.7
52.5°	1331.6	1278.8	1252.3	1169.6	1126.6	1089.3	961.6	916.3	921.0	979.4	1017.8
55°	1290.9	1275.1	1275.8	1226.4	1194.5	1150.8	1048.7	997.9	1003.3	1071.8	1119.9
57.5°	1222.4	1234.5	1277.1	1275.1	1257.3	1214.6	1135.4	1088.0	1118.9	1176.3	1227.1
60°	1169.6	1183.4	1252.6	1288.2	1321.5	1290.2	1225.1	1204.6	1233.5	1283.5	1344.3
62.5°	1081.6	1092.7	1187.8	1281.8	1319.8	1354.8	1310.4	1328.9	1355.4	1397.8	1471.7
65°	961.3	958.6	1076.9	1223.4	1308.7	1390.7	1420.3	1454.2	1478.4	1523.8	1591.0
67.5°	819.2	832.6	932.1	1097.4	1265.4	1408.9	1512.7	1574.8	1590.0	1607.4	1655.8
70°	669.0	668.3	755.3	931.1	1172.3	1398.8	1600.4	1654.1	1654.5	1644.1	1658.5
72°	510.1	499.3	566.5	716.4	1018.1	1344.7	1645.4	1683.0	1670.6	1639.7	1586.9
72.5°	437.8	447.6	510.7	674.7	948.9	1317.8	1650.1	1682.7	1669.3	1635.3	1565.4
75°	222.1	208.0	243.9	361.5	654.5	1064.8	1616.2	1649.8	1612.1	1569.8	1372.6
77.5°	87.0	89.4	103.5	156.2	318.5	701.2	1395.1	1468.3	1444.1	1414.2	1082.6
80°	61.2	61.2	69.2	89.0	163.3	284.9	966.7	1073.2	1110.5	1125.3	724.1
82.5°	44.4	45.0	52.8	62.2	116.6	136.8	474.8	596.4	655.2	710.3	404.9
85°	41.3	41.3	42.3	41.7	83.3	97.4	172.7	254.7	294.3	345.1	163.6
87.5°	19.5	21.2	31.2	24.9	41.0	60.1	94.1	102.1	104.5	118.6	117.6
90°	12.8	12.8	10.4	10.8	20.2	48.7	75.6	77.3	74.3	87.0	109.5
92.5°	13.1	13.4	9.7	10.1	15.8	44.7	77.6	79.0	76.6	91.4	116.3
95°	12.1	12.1	8.4	8.7	12.4	34.3	77.6	79.0	72.2	91.1	116.3
97.5°	10.1	10.4	6.7	7.1	9.7	16.8	53.8	57.8	46.0	46.4	56.8
100°	8.7	8.7	5.4	5.7	7.1	7.7	27.2	28.6	25.5	11.4	7.7
102.5°	8.7	8.7	4.7	4.7	4.7	4.4	8.4	14.1	11.8	6.7	7.4
105°	8.4	8.7	4.4	3.7	3.7	3.4	4.4	5.4	5.4	5.4	7.7
107.5°	6.7	7.1	3.4	3.4	3.0	3.0	2.4	2.4	3.4	5.0	8.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	5.4	5.4	2.7	3.0	2.4	2.7	2.0	2.0	3.0	3.7	6.4
112.5°	3.0	3.0	2.0	2.4	2.0	2.4	2.0	2.0	2.4	3.0	4.0
115°	2.7	2.7	1.7	1.7	1.7	1.7	1.7	1.7	2.0	2.7	4.4
117.5°	2.7	2.7	1.7	1.7	1.7	1.3	1.3	1.7	1.7	2.7	4.4
120°	2.7	2.7	1.7	1.7	1.3	1.3	1.3	1.7	1.7	2.7	4.4
122.5°	3.0	2.7	1.7	1.3	1.3	1.3	1.3	1.3	1.7	2.4	4.4
125°	3.0	2.7	2.0	1.3	1.3	1.3	1.3	1.3	1.7	2.4	3.7
127.5°	3.0	3.0	2.0	1.3	1.3	1.3	1.3	1.3	1.3	2.0	3.4
130°	3.0	2.7	2.0	1.3	1.3	1.3	1.3	1.3	1.3	2.0	3.0
132.5°	2.7	2.7	2.0	1.3	1.7	1.3	1.3	1.3	1.3	1.7	2.4
135°	2.4	2.4	1.7	1.7	1.7	1.3	1.3	1.3	1.3	1.3	2.0
137.5°	2.4	2.4	2.0	1.7	1.7	1.7	1.3	1.3	1.3	1.3	1.7
140°	2.4	2.4	2.0	2.0	2.0	1.7	1.3	1.3	1.3	1.7	1.7
142.5°	2.7	2.7	2.4	2.0	2.0	1.7	1.3	1.3	1.7	1.7	1.7
145°	3.0	3.0	2.7	2.4	2.0	1.3	1.3	1.7	1.7	1.7	2.0
147.5°	3.0	3.0	2.7	2.0	1.7	1.3	1.3	1.7	1.7	2.0	2.0
150°	2.7	2.7	2.4	1.7	1.3	1.0	1.3	1.3	1.7	2.0	2.0
152.5°	2.0	2.0	1.7	1.3	1.0	0.7	1.0	1.3	1.3	1.7	2.0
155°	1.3	1.3	1.0	0.7	0.7	0.7	1.0	1.0	1.0	1.3	1.7
157.5°	0.7	0.7	0.3	0.3	0.7	0.7	0.7	1.0	1.0	1.0	1.3
160°	0.3	0.3	0.3	0.3	0.7	0.7	0.7	1.0	1.0	1.0	1.0
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.7	3.0
5°	2.0	2.0	2.0	2.0	2.4	2.7	3.0	3.4	3.7	4.0	4.0
7.5°	2.4	2.4	2.4	2.7	3.0	3.7	8.4	29.6	40.3	44.0	43.0
10°	4.4	4.4	4.0	4.0	4.7	39.3	50.1	54.4	56.8	59.5	59.5
12.5°	34.9	40.3	14.4	8.1	39.0	55.1	59.1	62.2	64.2	66.9	66.9
15°	84.3	85.7	88.0	79.3	76.6	62.5	65.2	88.4	116.3	123.6	124.3
17.5°	94.8	96.4	98.1	116.3	123.6	95.8	110.2	124.0	126.7	129.4	129.4
20°	180.8	183.5	148.8	133.4	130.4	162.3	124.7	128.0	132.7	156.6	158.9
22.5°	205.0	206.6	193.5	201.9	147.8	169.7	164.0	164.0	183.5	184.8	185.1
25°	229.8	239.2	214.4	207.6	210.3	171.7	193.5	174.7	177.4	179.4	179.8
27.5°	335.3	334.0	313.8	237.6	211.0	208.0	187.8	172.4	201.6	209.3	209.7
30°	356.5	353.1	335.0	278.2	219.1	206.0	177.1	199.2	193.9	194.9	195.2
32.5°	490.2	484.9	433.4	281.6	228.8	190.2	192.2	185.5	186.1	207.0	207.6
35°	523.8	516.4	444.2	325.6	218.1	192.9	177.7	186.1	189.5	188.5	188.5
37.5°	568.9	554.7	440.8	306.1	226.8	180.4	170.0	175.7	173.7	186.5	185.8
40°	617.9	598.1	442.5	283.9	205.6	169.3	163.0	168.0	166.7	163.0	160.3
42.5°	680.4	646.1	442.2	265.4	186.1	165.6	153.9	153.6	147.8	141.8	139.8
45°	744.2	696.9	443.5	244.3	171.4	162.6	148.8	140.8	135.7	129.4	127.7
47.5°	814.1	751.0	447.6	227.5	159.9	153.6	142.5	132.7	129.0	121.0	120.3
50°	896.8	807.7	448.9	214.0	146.5	145.5	137.8	127.0	121.3	113.2	112.6
52.5°	985.8	867.9	451.3	194.2	136.1	142.5	140.4	125.7	123.3	112.9	112.2
55°	1070.2	925.0	450.6	170.4	131.4	139.8	140.4	134.4	130.7	113.6	112.2
57.5°	1171.6	986.8	440.5	148.2	124.0	135.7	147.2	142.1	138.1	124.0	121.3
60°	1262.4	1050.7	410.6	131.0	117.6	131.4	152.9	147.8	136.4	127.3	124.7
62.5°	1368.5	1105.8	368.9	118.6	115.2	132.7	154.9	151.5	137.4	134.4	133.4
65°	1440.4	1126.6	305.8	108.5	114.9	132.7	154.2	154.9	144.8	147.8	147.5
67.5°	1449.2	1099.7	231.8	100.8	110.9	132.7	153.2	161.6	151.5	164.0	164.6
70°	1407.2	1032.5	169.0	93.1	106.5	131.0	153.6	166.0	156.6	176.1	174.7
72°	1310.4	930.7	136.8	88.0	102.8	128.4	155.9	168.3	160.9	179.1	176.1
72.5°	1285.2	899.5	130.7	87.4	102.1	128.0	156.6	169.0	161.3	182.1	178.4
75°	1075.5	716.4	112.2	82.3	103.2	126.3	159.9	168.7	163.3	184.1	184.8
77.5°	814.8	482.8	99.5	78.0	102.8	123.3	158.9	166.0	160.3	177.1	180.8
80°	504.3	280.9	88.4	77.6	102.1	122.0	154.6	158.9	151.9	165.3	166.3
82.5°	275.9	164.3	76.6	76.3	99.1	118.3	146.2	150.9	144.1	158.9	148.5
85°	141.1	111.6	57.5	62.5	86.7	111.2	136.4	136.1	129.4	134.7	127.3
87.5°	108.9	87.7	37.3	45.0	70.9	91.7	112.2	111.2	102.5	103.2	100.1
90°	100.1	78.3	24.5	31.9	59.1	65.9	78.0	74.9	68.9	70.2	69.2
92.5°	100.8	77.3	23.5	33.9	56.8	59.1	71.6	67.9	61.8	62.5	60.5
95°	98.4	74.3	23.5	29.9	47.0	42.0	51.4	50.1	45.0	42.7	41.7
97.5°	47.0	37.0	21.8	22.2	26.5	22.8	31.2	33.6	26.9	21.5	21.5
100°	8.1	12.4	19.2	22.5	19.2	14.4	19.8	22.8	15.5	7.1	7.7
102.5°	8.1	7.7	14.8	19.2	13.8	7.7	11.4	15.1	9.7	5.4	5.7
105°	8.7	8.1	7.1	13.1	8.1	4.0	4.4	7.7	5.4	5.4	5.4
107.5°	9.4	8.7	5.0	5.0	4.0	3.7	3.4	3.0	3.7	5.4	5.7



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CATALOG NUMBER: LXF.LXT-PA1-30-830-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	7.1	7.1	4.7	4.0	3.7	3.7	2.7	2.7	3.7	5.7	5.7
112.5°	5.0	5.0	4.0	3.4	3.0	3.7	2.7	2.7	3.4	5.7	6.0
115°	5.0	5.0	3.7	3.0	2.7	3.0	2.7	2.4	3.4	5.7	6.0
117.5°	5.0	5.0	3.7	2.7	2.4	2.4	2.0	2.4	3.4	5.7	6.0
120°	5.0	5.0	3.7	2.7	2.4	2.0	2.0	2.0	3.4	5.7	6.0
122.5°	4.7	4.7	3.4	2.4	2.0	1.7	1.7	2.0	3.0	5.4	5.7
125°	4.4	4.4	3.0	2.4	2.0	1.7	1.7	1.7	3.0	5.0	5.4
127.5°	4.0	4.0	3.0	2.0	1.7	1.7	1.7	1.7	2.7	4.7	5.0
130°	3.4	3.4	2.7	2.0	1.7	1.3	1.7	1.7	2.7	4.4	4.4
132.5°	2.7	2.7	2.0	1.7	1.7	1.3	1.3	1.7	2.4	3.7	4.0
135°	2.0	2.0	2.0	1.7	1.7	1.3	1.3	1.3	2.0	3.0	3.4
137.5°	1.7	2.0	1.7	1.7	1.7	1.3	1.3	1.3	2.0	2.7	2.7
140°	1.7	1.7	1.7	1.7	1.7	1.3	1.3	1.3	2.0	2.4	2.7
142.5°	1.7	2.0	1.7	1.7	1.7	1.3	1.3	1.7	2.0	2.7	2.7
145°	2.0	2.0	2.0	1.7	1.7	1.0	1.0	1.7	2.0	2.7	2.7
147.5°	2.0	2.0	2.0	1.7	1.3	1.0	1.0	1.3	2.0	2.7	2.7
150°	2.0	2.0	2.0	1.7	1.3	0.7	0.7	1.3	1.7	2.4	2.7
152.5°	2.0	2.0	1.7	1.7	1.0	0.7	0.3	1.0	1.3	2.0	2.0
155°	1.7	1.7	1.7	1.3	1.0	0.3	0.0	0.3	1.0	1.7	1.7
157.5°	1.3	1.3	1.3	1.0	0.7	0.3	0.0	0.3	0.3	1.0	1.0
160°	1.0	1.0	1.0	1.0	0.7	0.3	0.0	0.0	0.3	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)