

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: P695046

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3908 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

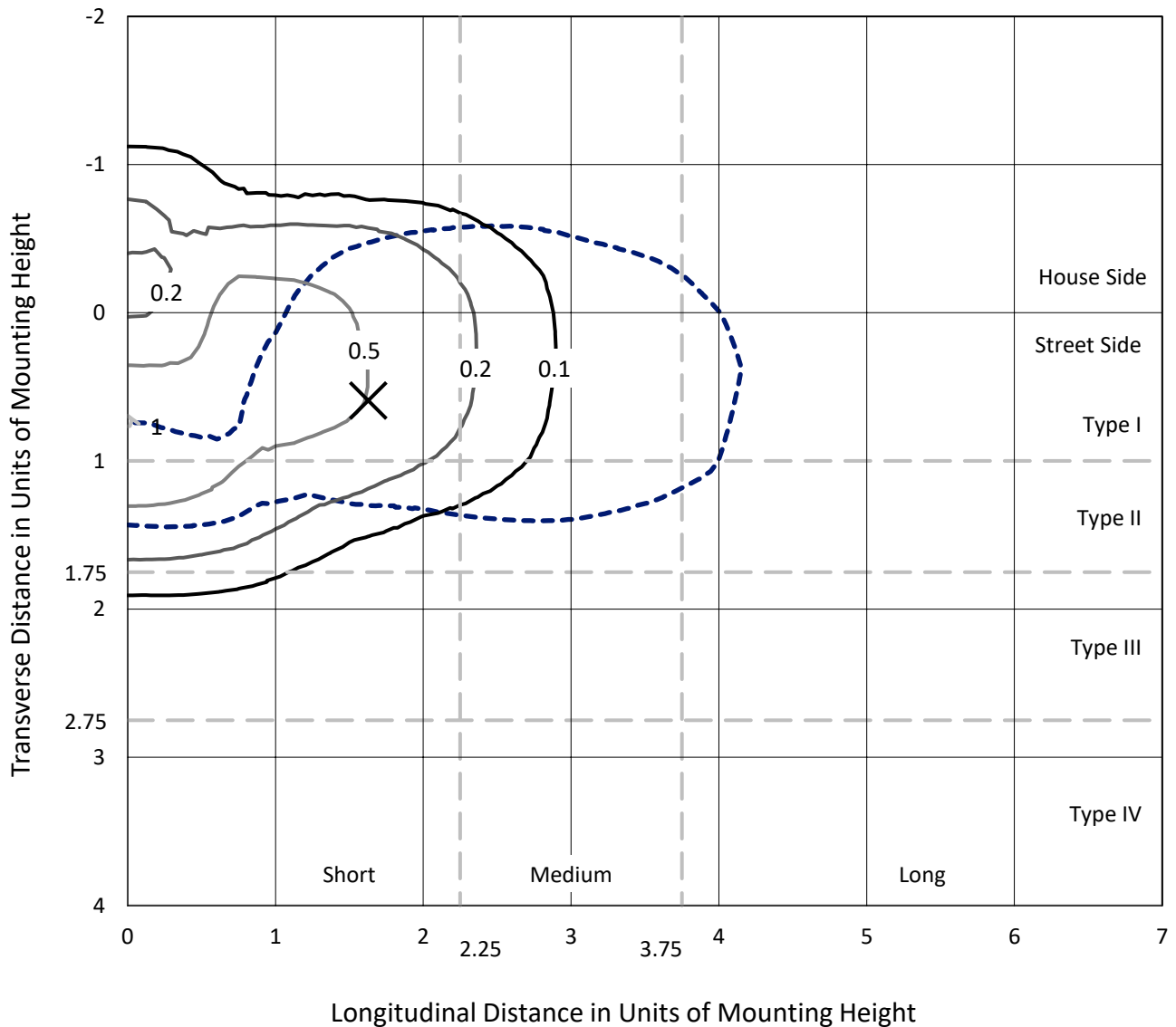
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

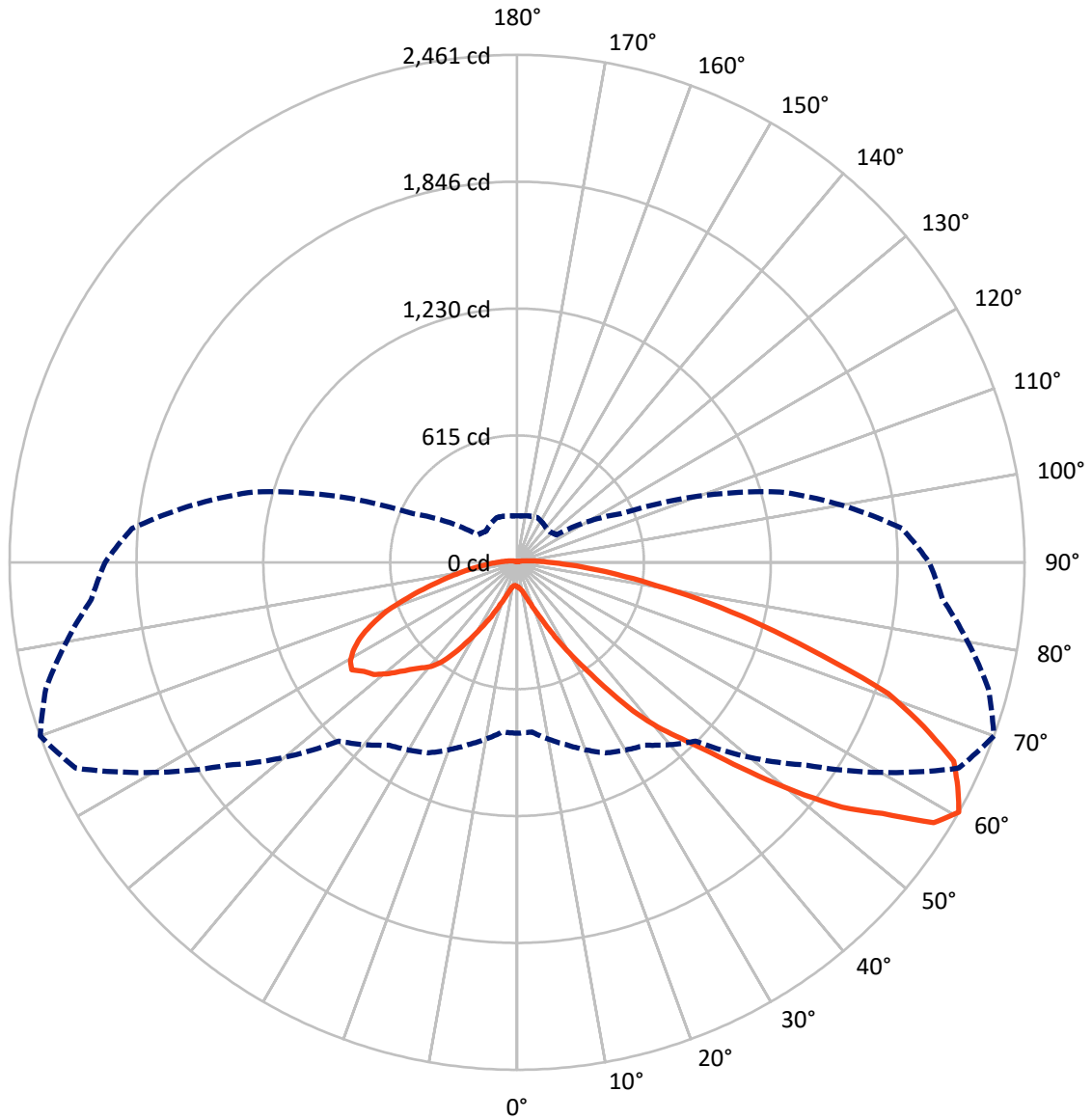
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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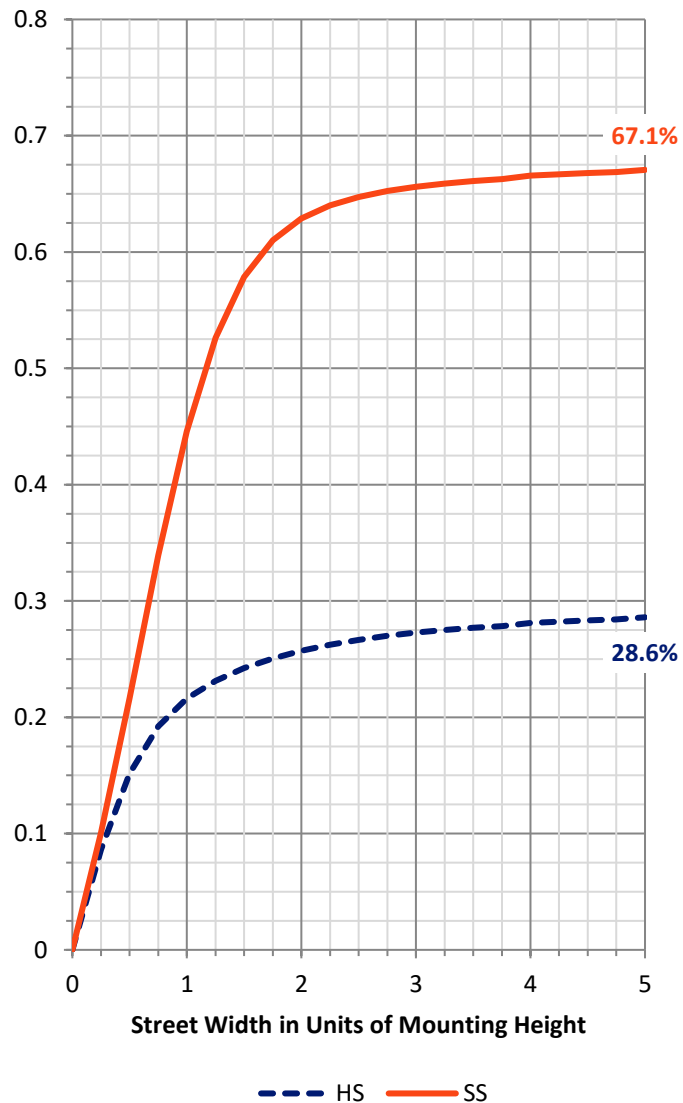
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1150.6	58.1	1208.6
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	2649.9	49.5	2699.4
	% Fixture	67.8	1.3	69.1
Total	Lumens	3800.4	107.5	3908.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	0.3
10°-20°	49.8	1.3
20°-30°	157.9	4.0
30°-40°	388.6	9.9
40°-50°	672.6	17.2
50°-60°	946.6	24.2
60°-70°	880.2	22.5
70°-80°	501.9	12.8
80°-90°	191.0	4.9
90°-100°	56.9	1.5
100°-110°	23.2	0.6
110°-120°	12.4	0.3
120°-130°	7.8	0.2
130°-140°	5.0	0.1
140°-150°	2.2	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3800.4	97.2
0°-180°	3908.0	100.0

Coefficient of Utilization

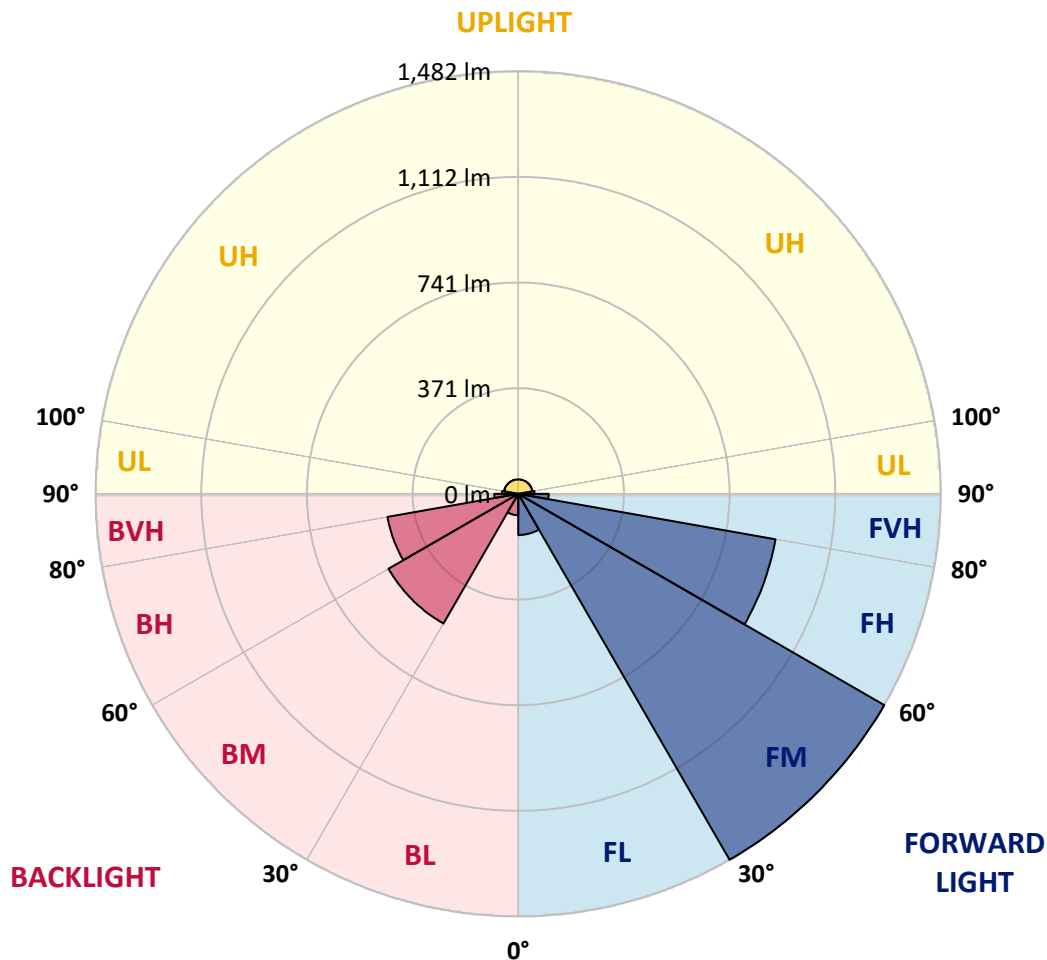


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	144.6	3.7			
FM (30°-60°)	1482.3	37.9			
FH (60°-80°)	916.3	23.4			G1/1800
FVH (80°-90°)	106.7	2.7			G2/225
BL (0°-30°)	75.0	1.9	B0/110		
BM (30°-60°)	525.5	13.4	B1/1000		
BH (60°-80°)	465.8	11.9	B1/500		G1/500
BVH (80°-90°)	84.3	2.2			G1/100
UL (90°-100°)	56.9	1.5		U3/500	
UH (100°-180°)	50.6	1.3		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	126.4	125.0	125.0	125.0	125.0	123.7	122.3	120.9	120.9	119.5	118.2
5°	137.4	137.4	137.4	136.0	134.7	133.3	130.5	127.8	126.4	123.7	120.9
7.5°	155.3	152.5	152.5	151.1	147.0	144.3	140.2	134.7	133.3	130.5	126.4
10°	177.3	175.9	174.5	170.4	163.5	158.0	153.9	147.0	142.9	140.2	134.7
12.5°	211.6	211.6	207.5	199.2	189.6	180.0	171.8	163.5	159.4	155.3	149.8
15°	254.2	252.8	251.5	237.7	222.6	208.9	195.1	185.5	181.4	178.6	169.0
17.5°	310.5	311.9	303.7	281.7	259.7	244.6	228.1	215.7	210.2	206.1	197.9
20°	383.4	382.0	369.6	338.0	313.3	288.5	270.7	251.5	247.3	243.2	233.6
22.5°	478.2	475.4	450.7	412.2	375.1	340.8	317.4	303.7	295.4	289.9	281.7
25°	575.7	586.7	552.4	505.6	452.1	399.8	375.1	366.9	358.6	354.5	343.5
27.5°	729.6	731.0	681.5	606.0	534.5	480.9	449.3	435.6	435.6	430.1	416.3
30°	893.1	891.8	831.3	735.1	637.6	563.4	530.4	522.1	524.9	518.0	498.8
32.5°	1037.4	1034.7	967.3	872.5	743.4	652.7	621.1	623.8	626.6	632.1	616.9
35°	1194.0	1192.7	1113.0	996.2	856.0	754.4	732.4	758.5	759.8	768.1	733.7
37.5°	1250.4	1258.6	1209.2	1104.7	956.3	858.8	860.2	889.0	913.7	916.5	868.4
40°	1293.0	1297.1	1251.8	1167.9	1047.0	967.3	1001.7	1048.4	1049.8	1026.4	948.1
42.5°	1390.5	1394.7	1331.5	1225.6	1113.0	1077.3	1126.7	1176.2	1166.6	1146.0	1048.4
45°	1453.7	1459.2	1418.0	1316.3	1178.9	1158.3	1249.0	1315.0	1313.6	1299.8	1165.2
47.5°	1518.3	1526.6	1484.0	1387.8	1254.5	1233.9	1383.7	1519.7	1518.3	1479.8	1320.5
50°	1499.1	1506.0	1508.7	1445.5	1308.1	1312.2	1525.2	1734.0	1745.0	1695.6	1510.1
52.5°	1382.3	1393.3	1433.1	1441.4	1346.6	1365.8	1662.6	1960.8	1974.5	1892.1	1657.1
55°	1231.1	1244.9	1297.1	1354.8	1323.2	1379.5	1776.6	2140.8	2149.0	2081.7	1845.3
57.5°	1029.2	1058.0	1125.3	1207.8	1227.0	1346.6	1778.0	2289.2	2382.6	2330.4	2050.1
60°	828.5	825.8	915.1	1019.5	1082.7	1225.6	1714.8	2362.0	2460.9	2366.1	2072.1
62.5°	595.0	604.6	700.8	821.7	900.0	1037.4	1567.8	2219.1	2399.1	2396.3	2187.5
65°	424.6	434.2	504.3	619.7	710.4	860.2	1330.1	2078.9	2326.3	2348.2	2176.5
67.5°	302.3	306.4	360.0	450.7	530.4	656.8	1089.6	1879.7	2127.0	2193.0	2113.3
70°	226.7	230.8	263.8	331.1	387.5	479.5	869.8	1593.9	1909.9	2006.1	1951.1
72.5°	174.5	180.0	202.0	252.8	285.8	342.1	649.9	1299.8	1544.4	1639.2	1615.9
75°	137.4	140.2	156.6	191.0	211.6	240.5	460.3	1000.3	1229.8	1365.8	1365.8
77.5°	109.9	114.0	125.0	149.8	167.6	178.6	316.0	718.6	953.6	1091.0	1122.6
80°	87.9	90.7	100.3	118.2	130.5	137.4	213.0	498.8	684.3	847.8	939.8
82.5°	70.1	70.1	79.7	93.4	105.8	114.0	156.6	353.1	489.2	612.8	714.5
85°	56.3	57.7	63.2	72.8	85.2	96.2	120.9	241.8	333.9	410.8	494.7
87.5°	44.0	44.0	49.5	56.3	68.7	81.1	98.9	163.5	219.8	283.1	332.5
90°	31.6	33.0	35.7	41.2	53.6	66.0	78.3	114.0	145.6	177.3	210.2
92.5°	23.4	23.4	24.7	28.9	38.5	52.2	63.2	82.4	100.3	115.4	130.5
95°	17.9	17.9	19.2	20.6	27.5	39.8	48.1	60.5	70.1	81.1	87.9
97.5°	15.1	15.1	15.1	16.5	22.0	30.2	37.1	45.3	52.2	59.1	66.0
100°	13.7	13.7	13.7	13.7	17.9	26.1	28.9	35.7	39.8	45.3	49.5
102.5°	12.4	12.4	12.4	12.4	16.5	22.0	24.7	27.5	31.6	34.4	38.5
105°	11.0	11.0	11.0	11.0	13.7	17.9	20.6	23.4	24.7	26.1	28.9
107.5°	9.6	9.6	9.6	9.6	12.4	16.5	17.9	17.9	19.2	20.6	23.4
110°	8.2	8.2	8.2	9.6	11.0	13.7	15.1	15.1	15.1	16.5	19.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	8.2	8.2	8.2	8.2	9.6	12.4	12.4	12.4	13.7	13.7	16.5
115°	6.9	6.9	6.9	8.2	9.6	11.0	11.0	11.0	11.0	12.4	13.7
117.5°	6.9	6.9	6.9	6.9	9.6	11.0	11.0	9.6	9.6	11.0	12.4
120°	6.9	6.9	6.9	6.9	8.2	9.6	9.6	9.6	9.6	9.6	11.0
122.5°	6.9	6.9	6.9	6.9	8.2	8.2	8.2	8.2	8.2	8.2	9.6
125°	6.9	6.9	6.9	6.9	8.2	8.2	8.2	6.9	6.9	8.2	9.6
127.5°	8.2	8.2	6.9	6.9	6.9	8.2	6.9	6.9	6.9	6.9	8.2
130°	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	8.2
132.5°	8.2	8.2	6.9	6.9	6.9	6.9	6.9	5.5	5.5	6.9	8.2
135°	6.9	8.2	6.9	6.9	6.9	5.5	5.5	5.5	5.5	5.5	6.9
137.5°	6.9	6.9	6.9	5.5	5.5	5.5	4.1	4.1	4.1	5.5	5.5
140°	6.9	6.9	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	5.5
142.5°	5.5	5.5	5.5	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1
145°	5.5	5.5	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	4.1	4.1	4.1	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4
150°	4.1	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2
2.5°	118.2	116.8	115.4	115.4	114.0	112.7	111.3	111.3	111.3	111.3	111.3
5°	119.5	118.2	115.4	112.7	109.9	107.2	105.8	103.1	103.1	103.1	101.7
7.5°	123.7	120.9	116.8	111.3	107.2	103.1	98.9	97.6	96.2	94.8	94.8
10°	130.5	127.8	120.9	114.0	107.2	101.7	96.2	92.1	89.3	89.3	89.3
12.5°	144.3	140.2	130.5	119.5	109.9	101.7	94.8	90.7	89.3	89.3	90.7
15°	166.3	160.8	147.0	133.3	118.2	105.8	100.3	100.3	101.7	103.1	103.1
17.5°	192.4	185.5	170.4	151.1	133.3	120.9	115.4	116.8	119.5	120.9	120.9
20°	229.5	217.1	202.0	175.9	152.5	141.5	134.7	133.3	140.2	142.9	142.9
22.5°	272.1	265.2	240.5	207.5	180.0	163.5	153.9	151.1	158.0	160.8	160.8
25°	335.3	321.5	292.7	248.7	213.0	185.5	171.8	169.0	178.6	184.1	184.1
27.5°	408.1	387.5	351.8	295.4	246.0	206.1	188.2	188.2	197.9	206.1	207.5
30°	483.7	460.3	417.7	347.6	278.9	222.6	200.6	202.0	211.6	224.0	221.2
32.5°	593.6	560.6	497.4	406.7	309.2	236.3	207.5	213.0	228.1	244.6	241.8
35°	700.8	666.4	590.8	472.7	335.3	243.2	211.6	224.0	240.5	252.8	252.8
37.5°	814.8	772.2	676.0	530.4	362.7	247.3	214.4	226.7	243.2	251.5	251.5
40°	890.4	847.8	737.9	571.6	373.7	246.0	213.0	225.3	236.3	239.1	236.3
42.5°	985.2	922.0	786.0	590.8	368.2	239.1	208.9	218.5	222.6	221.2	221.2
45°	1097.9	1027.8	854.7	597.7	351.8	228.1	203.4	210.2	215.7	217.1	217.1
47.5°	1249.0	1167.9	944.0	608.7	331.1	217.1	200.6	211.6	217.1	213.0	213.0
50°	1423.5	1328.7	1047.0	618.3	310.5	208.9	202.0	215.7	217.1	213.0	211.6
52.5°	1562.3	1459.2	1136.3	629.3	289.9	204.7	207.5	221.2	219.8	213.0	211.6
55°	1746.4	1640.6	1216.0	604.6	270.7	206.1	213.0	226.7	222.6	211.6	211.6
57.5°	1963.5	1835.7	1321.8	590.8	248.7	210.2	219.8	232.2	225.3	215.7	214.4
60°	1997.9	1874.2	1319.1	556.5	232.2	213.0	225.3	237.7	232.2	225.3	225.3
62.5°	2114.7	1981.4	1297.1	496.0	219.8	213.0	229.5	244.6	246.0	241.8	240.5
65°	2099.5	1953.9	1240.8	435.6	208.9	210.2	232.2	252.8	254.2	255.6	255.6
67.5°	2044.6	1892.1	1143.2	382.0	196.5	206.1	232.2	251.5	258.3	263.8	263.8
70°	1876.9	1738.2	1019.5	328.4	184.1	195.1	221.2	243.2	250.1	256.9	258.3
72.5°	1570.5	1441.4	836.8	278.9	167.6	178.6	202.0	222.6	230.8	236.3	235.0
75°	1309.5	1205.0	680.2	221.2	149.8	158.0	177.3	195.1	200.6	204.7	204.7
77.5°	1081.4	987.9	535.9	181.4	130.5	137.4	152.5	166.3	171.8	173.1	170.4
80°	902.7	792.8	420.5	147.0	111.3	115.4	130.5	141.5	147.0	144.3	145.6
82.5°	698.0	607.3	318.8	123.7	97.6	98.9	109.9	119.5	123.7	120.9	119.5
85°	474.0	412.2	229.5	107.2	85.2	83.8	90.7	98.9	101.7	100.3	98.9
87.5°	313.3	272.1	166.3	92.1	74.2	72.8	76.9	83.8	86.6	85.2	82.4
90°	197.9	180.0	119.5	78.3	64.6	61.8	64.6	68.7	72.8	71.5	70.1
92.5°	126.4	114.0	87.9	64.6	55.0	52.2	52.2	55.0	57.7	55.0	52.2
95°	85.2	82.4	67.3	52.2	45.3	42.6	41.2	41.2	44.0	41.2	39.8
97.5°	66.0	63.2	55.0	41.2	35.7	34.4	33.0	33.0	35.7	33.0	31.6
100°	50.8	50.8	44.0	34.4	27.5	27.5	27.5	28.9	30.2	28.9	28.9
102.5°	39.8	39.8	37.1	28.9	23.4	23.4	23.4	24.7	27.5	26.1	26.1
105°	30.2	31.6	30.2	23.4	20.6	20.6	20.6	22.0	23.4	23.4	23.4
107.5°	24.7	26.1	24.7	20.6	17.9	17.9	17.9	19.2	20.6	22.0	22.0
110°	20.6	22.0	20.6	17.9	16.5	16.5	16.5	16.5	19.2	19.2	20.6

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 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.5	17.9	17.9	15.1	15.1	15.1	13.7	15.1	16.5	17.9	17.9
115°	15.1	15.1	15.1	13.7	13.7	13.7	12.4	12.4	15.1	16.5	16.5
117.5°	13.7	13.7	13.7	12.4	12.4	12.4	11.0	11.0	12.4	15.1	15.1
120°	12.4	12.4	12.4	11.0	11.0	11.0	9.6	9.6	11.0	13.7	13.7
122.5°	11.0	11.0	11.0	9.6	9.6	9.6	9.6	9.6	11.0	12.4	12.4
125°	9.6	9.6	9.6	9.6	9.6	8.2	8.2	8.2	9.6	11.0	11.0
127.5°	9.6	9.6	9.6	8.2	8.2	8.2	8.2	8.2	8.2	9.6	11.0
130°	8.2	8.2	8.2	8.2	6.9	6.9	6.9	6.9	8.2	9.6	9.6
132.5°	8.2	8.2	8.2	6.9	6.9	6.9	6.9	6.9	8.2	8.2	9.6
135°	6.9	8.2	6.9	6.9	6.9	5.5	5.5	5.5	6.9	8.2	8.2
137.5°	6.9	6.9	5.5	5.5	5.5	5.5	5.5	5.5	6.9	6.9	6.9
140°	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1	5.5	6.9	6.9
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.5	5.5	5.5
145°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	5.5	5.5
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	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)