

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: P694767

Luminaire Tested: **LXF.LXT-PA16-30-727-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2971.1 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U2 - G2

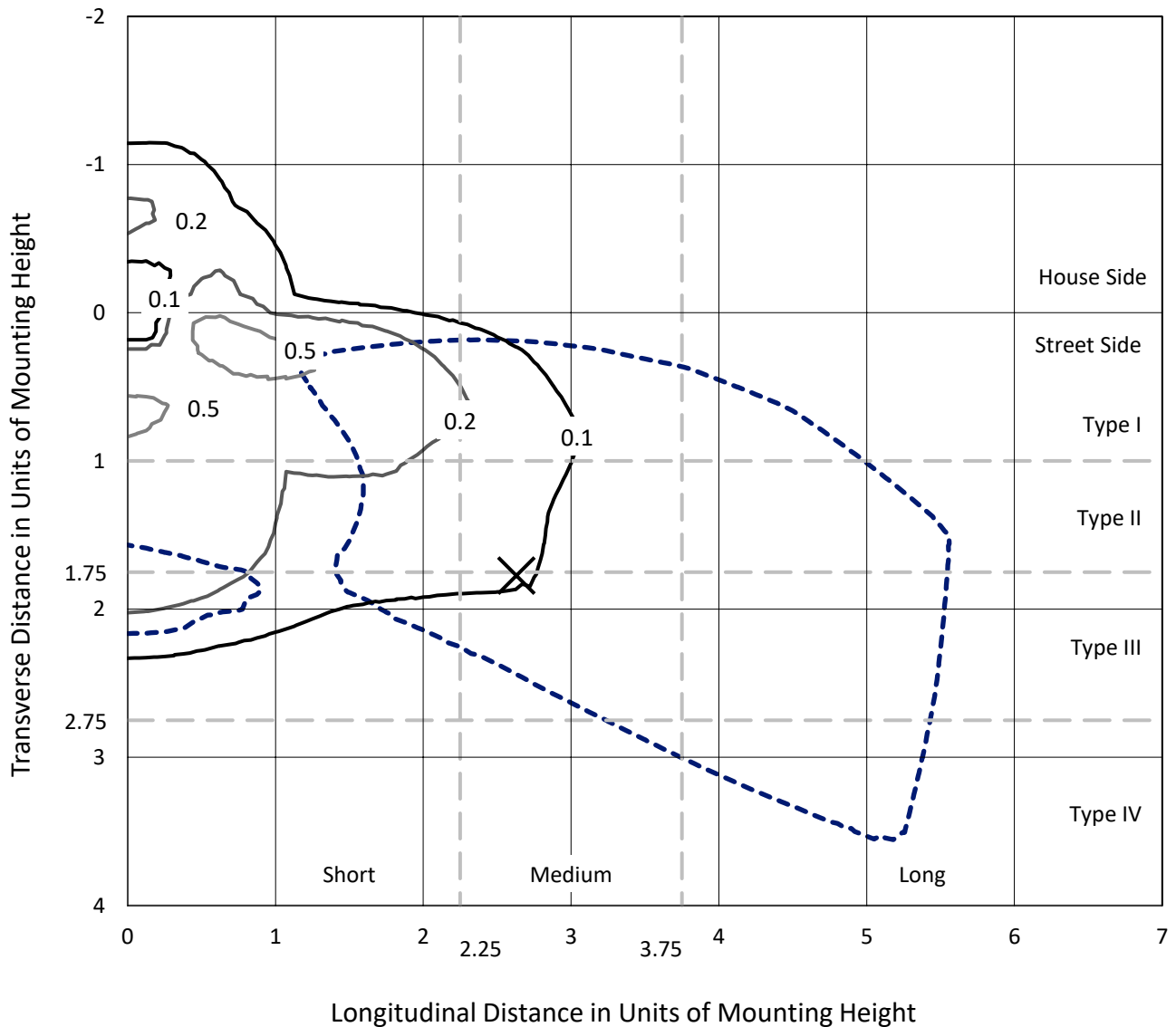
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

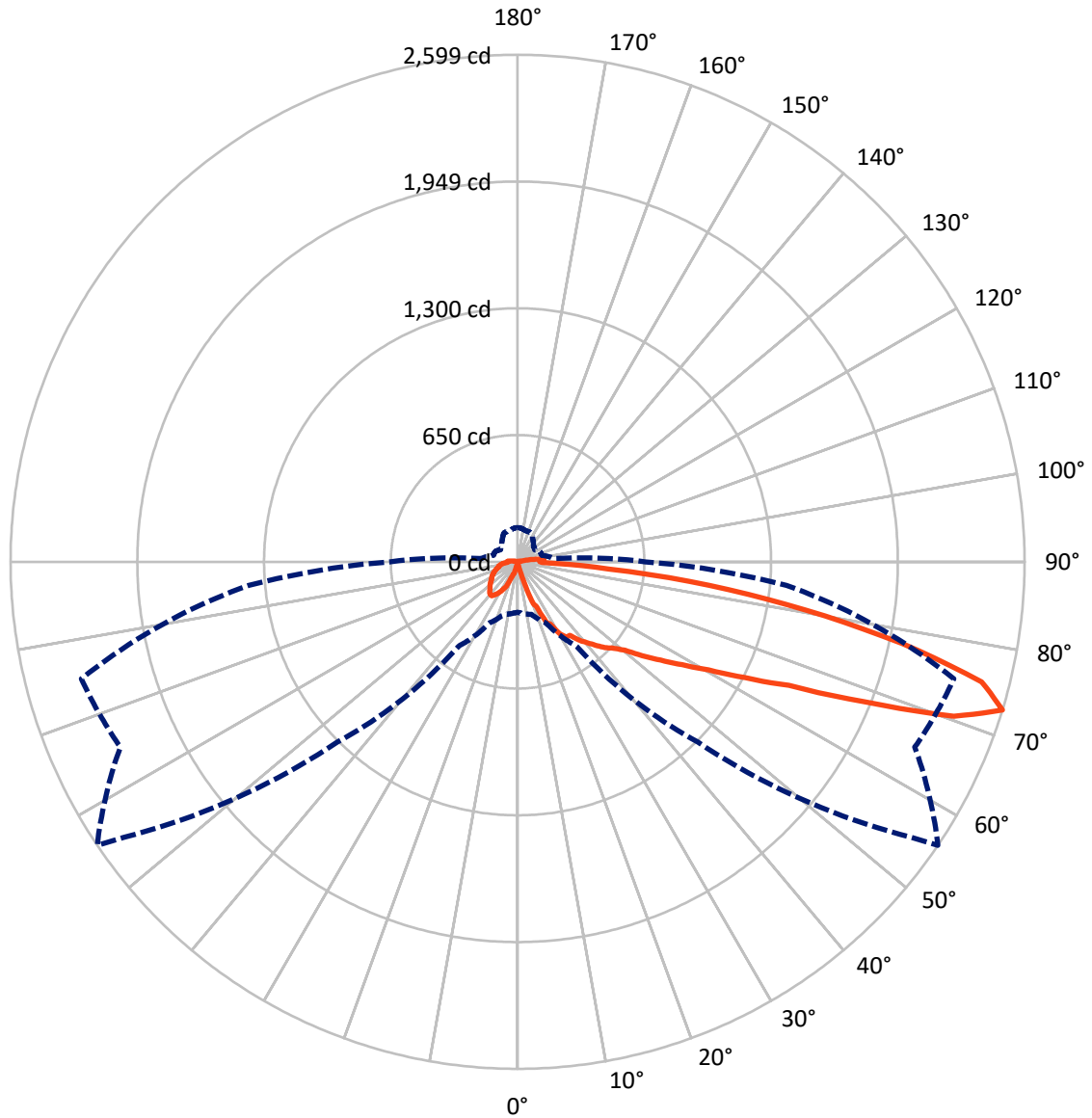
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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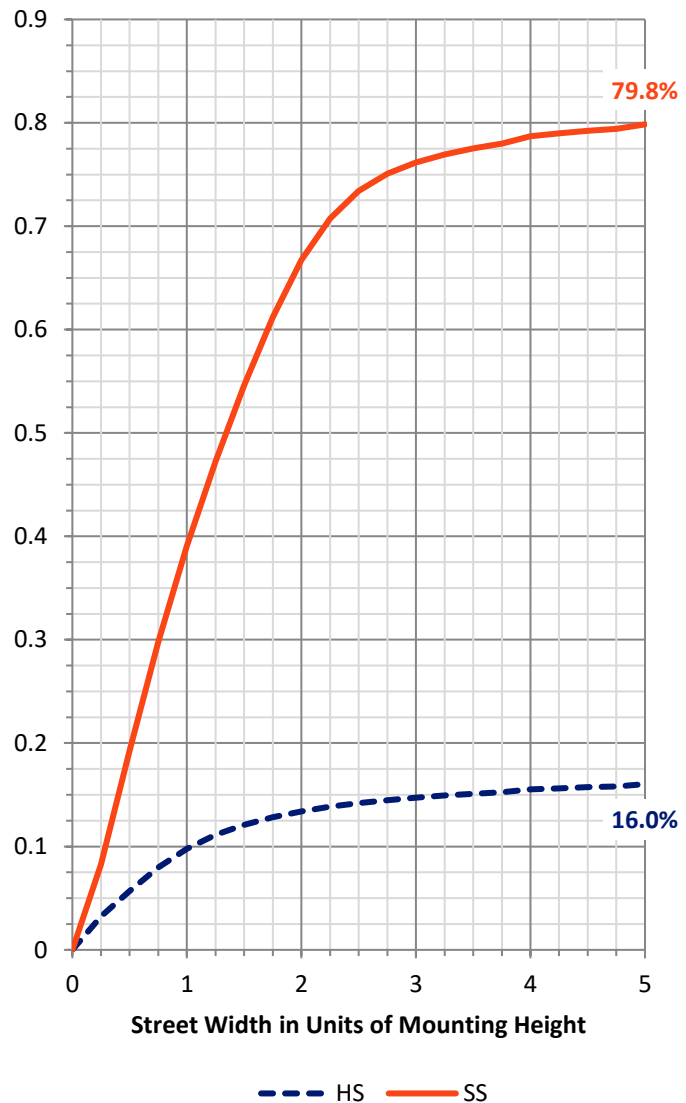
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	507.5	32.2	539.7
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	2397.4	33.9	2431.3
	% Fixture	80.7	1.1	81.8
Total	Lumens	2904.9	66.1	2971.1
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	24.4	0.8
20°-30°	114.8	3.9
30°-40°	252.9	8.5
40°-50°	379.1	12.8
50°-60°	558.4	18.8
60°-70°	775.3	26.1
70°-80°	624.6	21.0
80°-90°	175.0	5.9
90°-100°	47.1	1.6
100°-110°	9.1	0.3
110°-120°	3.6	0.1
120°-130°	2.8	0.1
130°-140°	1.9	0.1
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2904.9	97.8
0°-180°	2971.1	100.0

Coefficient of Utilization

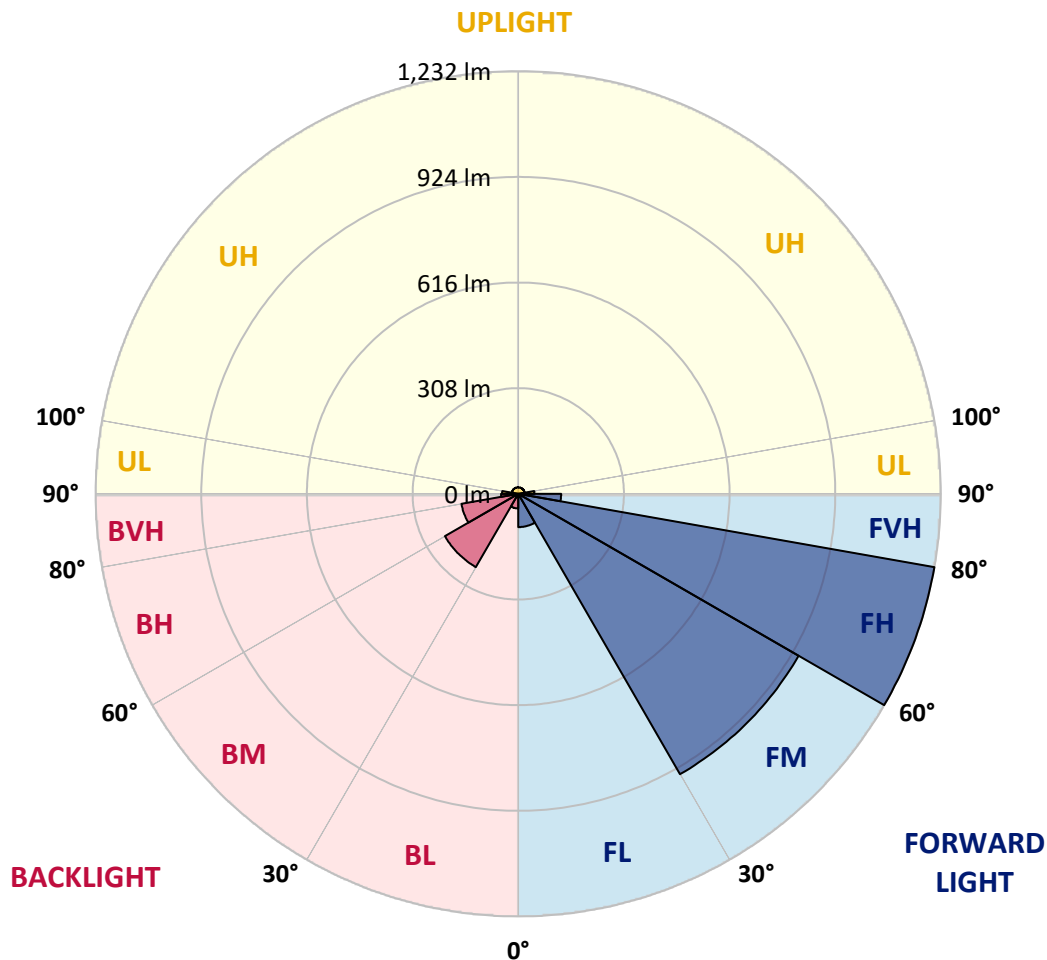


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	97.0	3.3			
FM (30°-60°)	943.6	31.8			
FH (60°-80°)	1231.8	41.5			G1/1800
FVH (80°-90°)	124.9	4.2			G2/225
BL (0°-30°)	42.6	1.4	B0/110		
BM (30°-60°)	246.7	8.3	B1/1000		
BH (60°-80°)	168.1	5.7	B1/500		G1/500
BVH (80°-90°)	50.1	1.7			G1/100
UL (90°-100°)	47.1	1.6		U2/50	
UH (100°-180°)	19.0	0.6		U2/50	

BUG Rating: B1-U2-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
5°	3.3	3.3	3.3	3.3	4.4	4.4	3.3	3.3	3.3	3.3	3.3
7.5°	5.4	5.4	4.4	4.4	4.4	4.4	4.4	4.4	3.3	3.3	3.3
10°	31.5	30.5	27.2	18.5	10.9	5.4	4.4	4.4	4.4	4.4	5.4
12.5°	138.2	137.1	138.2	129.5	34.8	18.5	8.7	8.7	13.1	17.4	22.8
15°	145.8	146.9	146.9	142.5	142.5	60.9	33.7	46.8	133.8	145.8	142.5
17.5°	191.5	184.9	158.8	152.3	155.6	154.5	133.8	133.8	155.6	164.3	162.1
20°	225.2	225.2	226.3	224.1	166.5	213.2	229.6	230.6	183.9	254.6	275.2
22.5°	252.4	254.6	243.7	235.0	253.5	220.8	249.1	249.1	311.1	349.2	335.1
25°	350.3	349.2	329.6	263.3	263.3	267.6	338.3	344.9	389.5	388.4	373.2
27.5°	403.6	403.6	381.9	342.7	291.6	305.7	348.1	363.4	441.7	561.4	508.1
30°	545.0	547.2	499.4	409.1	352.5	325.3	403.6	430.8	553.8	589.7	527.6
32.5°	586.4	587.5	590.7	523.3	408.0	361.2	440.6	460.2	594.0	746.3	664.7
35°	598.4	600.5	600.5	552.7	511.3	419.9	448.2	462.4	707.1	786.6	665.8
37.5°	637.5	636.4	627.7	572.2	551.6	464.5	495.0	509.1	753.9	846.4	662.5
40°	693.0	693.0	678.9	610.3	567.9	510.2	527.6	542.9	808.3	917.1	664.7
42.5°	757.2	751.8	735.4	653.8	594.0	538.5	571.2	584.2	864.9	1006.3	668.0
45°	834.4	829.0	796.4	714.8	639.7	550.5	602.7	627.7	929.1	1101.0	687.6
47.5°	908.4	906.2	869.2	775.7	685.4	567.9	626.6	661.5	1006.3	1221.7	725.6
50°	999.8	988.9	941.0	835.5	726.7	601.6	688.7	711.5	1087.9	1338.1	783.3
52.5°	1082.5	1062.9	1012.9	896.4	776.8	648.4	783.3	798.5	1181.5	1460.0	849.7
55°	1163.0	1134.7	1066.2	959.5	824.6	702.8	885.6	888.8	1288.1	1585.1	931.3
57.5°	1283.7	1254.4	1155.4	1018.3	887.7	772.4	984.6	995.4	1393.6	1725.4	1027.0
60°	1451.3	1430.6	1310.9	1157.5	999.8	864.9	1103.1	1124.9	1498.1	1865.8	1121.6
62.5°	1515.5	1491.5	1401.2	1294.6	1159.7	1031.3	1250.0	1308.8	1592.7	2007.2	1231.5
65°	1341.4	1341.4	1293.5	1300.1	1259.8	1297.9	1458.9	1527.4	1703.7	2119.3	1326.2
67.5°	872.5	876.9	907.3	1036.8	1180.4	1513.3	1819.0	1913.6	1872.3	2240.0	1405.6
70°	396.0	411.2	477.6	657.1	898.6	1526.4	2233.5	2371.7	2068.1	2322.7	1433.9
72.5°	258.9	264.4	279.6	347.0	528.7	1307.7	2463.0	2599.0	2246.6	2315.1	1382.7
75°	216.5	213.2	221.9	245.9	266.5	897.5	2343.4	2456.5	2223.7	2178.0	1258.7
77.5°	179.5	176.2	184.9	198.0	157.7	492.8	1948.5	2013.7	1923.4	1861.4	1027.0
80°	138.2	138.2	142.5	159.9	115.3	239.3	1448.0	1497.0	1424.1	1329.4	614.7
82.5°	94.6	93.6	103.4	122.9	92.5	138.2	988.9	990.0	850.8	647.3	289.4
85°	42.4	42.4	51.1	70.7	54.4	85.9	451.5	467.8	289.4	206.7	129.5
87.5°	14.1	14.1	15.2	17.4	18.5	40.3	126.2	128.4	112.1	127.3	95.7
90°	13.1	13.1	13.1	13.1	14.1	39.2	113.1	113.1	100.1	118.6	95.7
92.5°	13.1	13.1	12.0	10.9	12.0	35.9	125.1	134.9	109.9	124.0	100.1
95°	13.1	13.1	10.9	9.8	10.9	26.1	125.1	133.8	115.3	107.7	90.3
97.5°	8.7	8.7	7.6	7.6	8.7	15.2	91.4	94.6	74.0	54.4	54.4
100°	7.6	7.6	5.4	5.4	6.5	8.7	49.0	52.2	35.9	17.4	17.4
102.5°	7.6	7.6	4.4	4.4	4.4	5.4	14.1	15.2	13.1	7.6	8.7
105°	8.7	8.7	4.4	3.3	3.3	4.4	6.5	6.5	7.6	6.5	8.7
107.5°	7.6	7.6	3.3	3.3	3.3	3.3	3.3	3.3	4.4	6.5	8.7
110°	5.4	4.4	3.3	3.3	2.2	3.3	3.3	3.3	3.3	5.4	7.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	3.3	3.3	2.2	2.2	2.2	3.3	2.2	2.2	3.3	4.4	6.5
115°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	5.4
117.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	6.5
120°	3.3	3.3	2.2	1.1	2.2	2.2	2.2	2.2	2.2	4.4	6.5
122.5°	3.3	3.3	2.2	1.1	2.2	2.2	2.2	2.2	2.2	4.4	6.5
125°	3.3	3.3	2.2	1.1	2.2	1.1	2.2	2.2	2.2	4.4	5.4
127.5°	3.3	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	3.3	5.4
130°	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	3.3	5.4
132.5°	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	3.3	4.4
135°	2.2	2.2	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	3.3
137.5°	2.2	2.2	2.2	1.1	2.2	2.2	2.2	2.2	2.2	2.2	3.3
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
147.5°	2.2	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
150°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3
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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
2.5°	3.3	3.3	2.2	2.2	2.2	2.2	3.3	3.3	3.3	3.3	3.3
5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
7.5°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
10°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
12.5°	26.1	22.8	17.4	9.8	4.4	2.2	2.2	2.2	3.3	4.4	4.4
15°	136.0	127.3	102.3	67.5	21.8	5.4	3.3	9.8	30.5	41.3	40.3
17.5°	155.6	142.5	106.6	74.0	59.8	27.2	28.3	51.1	59.8	64.2	63.1
20°	268.7	221.9	131.6	85.9	69.6	65.3	57.7	65.3	74.0	79.4	80.5
22.5°	305.7	254.6	156.7	128.4	89.2	92.5	85.9	82.7	117.5	126.2	128.4
25°	330.7	264.4	164.3	144.7	136.0	107.7	118.6	121.8	136.0	141.4	142.5
27.5°	424.3	311.1	202.4	165.4	152.3	136.0	140.3	140.3	155.6	181.7	182.8
30°	418.8	292.7	212.1	193.6	170.8	159.9	153.4	178.4	198.0	203.4	204.5
32.5°	490.7	316.6	237.2	204.5	190.4	169.7	181.7	195.8	207.8	223.0	231.7
35°	449.3	286.1	247.0	229.6	201.3	186.0	196.9	210.0	250.2	263.3	263.3
37.5°	403.6	261.1	238.3	231.7	216.5	198.0	201.3	237.2	255.7	250.2	250.2
40°	362.3	243.7	230.6	227.4	217.6	198.0	213.2	230.6	248.0	243.7	243.7
42.5°	336.2	232.8	223.0	220.8	213.2	194.7	206.7	227.4	247.0	239.3	238.3
45°	326.4	223.0	217.6	213.2	201.3	187.1	202.4	229.6	244.8	236.1	235.0
47.5°	336.2	217.6	212.1	206.7	191.5	175.2	204.5	226.3	240.4	227.4	225.2
50°	367.7	217.6	205.6	198.0	183.9	175.2	201.3	218.7	229.6	214.3	211.1
52.5°	409.1	221.9	199.1	188.2	176.2	174.1	196.9	214.3	220.8	204.5	203.4
55°	465.6	229.6	190.4	180.6	164.3	169.7	196.9	215.4	213.2	194.7	193.6
57.5°	523.3	238.3	182.8	175.2	156.7	164.3	194.7	216.5	203.4	180.6	180.6
60°	585.3	249.1	173.0	168.6	151.2	156.7	188.2	214.3	193.6	169.7	169.7
62.5°	647.3	254.6	165.4	162.1	144.7	149.0	180.6	207.8	190.4	167.5	167.5
65°	697.4	249.1	157.7	153.4	136.0	140.3	169.7	202.4	184.9	168.6	169.7
67.5°	725.6	233.9	150.1	146.9	127.3	131.6	156.7	190.4	176.2	167.5	169.7
70°	712.6	207.8	140.3	136.0	118.6	124.0	144.7	176.2	170.8	167.5	170.8
72.5°	656.0	188.2	128.4	126.2	107.7	115.3	137.1	164.3	164.3	174.1	175.2
75°	584.2	167.5	118.6	116.4	100.1	105.5	133.8	150.1	153.4	166.5	169.7
77.5°	474.3	140.3	104.4	106.6	97.9	97.9	127.3	141.4	144.7	159.9	161.0
80°	290.5	103.4	90.3	95.7	90.3	93.6	119.7	131.6	133.8	154.5	156.7
82.5°	144.7	72.9	77.2	84.9	80.5	92.5	114.2	125.1	136.0	156.7	157.7
85°	74.0	44.6	58.7	68.5	69.6	102.3	112.1	129.5	127.3	141.4	144.7
87.5°	46.8	22.8	33.7	37.0	52.2	96.8	99.0	106.6	104.4	120.8	120.8
90°	45.7	18.5	29.4	28.3	52.2	82.7	76.2	77.2	82.7	102.3	103.4
92.5°	47.9	17.4	30.5	28.3	55.5	65.3	60.9	58.7	65.3	77.2	79.4
95°	42.4	16.3	32.6	30.5	47.9	43.5	39.2	43.5	42.4	42.4	43.5
97.5°	25.0	12.0	31.5	30.5	38.1	22.8	26.1	32.6	25.0	18.5	17.4
100°	10.9	7.6	30.5	29.4	23.9	14.1	21.8	27.2	18.5	7.6	7.6
102.5°	6.5	6.5	21.8	27.2	14.1	7.6	16.3	18.5	10.9	6.5	6.5
105°	6.5	6.5	10.9	16.3	5.4	4.4	7.6	8.7	5.4	5.4	5.4
107.5°	6.5	6.5	5.4	5.4	4.4	4.4	4.4	4.4	4.4	5.4	5.4
110°	6.5	6.5	4.4	5.4	4.4	3.3	3.3	3.3	4.4	5.4	5.4

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 CATALOG NUMBER: LXF.LXT-PA16-30-727-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.4	5.4	4.4	4.4	3.3	3.3	3.3	3.3	4.4	5.4	5.4
115°	5.4	5.4	4.4	3.3	3.3	3.3	3.3	3.3	4.4	5.4	5.4
117.5°	5.4	4.4	3.3	3.3	3.3	3.3	3.3	3.3	4.4	6.5	6.5
120°	5.4	4.4	3.3	3.3	2.2	2.2	3.3	3.3	4.4	6.5	6.5
122.5°	5.4	5.4	3.3	3.3	2.2	2.2	2.2	3.3	4.4	6.5	6.5
125°	5.4	4.4	3.3	3.3	2.2	2.2	2.2	2.2	4.4	6.5	6.5
127.5°	5.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	6.5	6.5
130°	4.4	4.4	3.3	2.2	2.2	2.2	2.2	2.2	4.4	5.4	6.5
132.5°	4.4	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	5.4	5.4
135°	3.3	3.3	2.2	2.2	2.2	2.2	2.2	2.2	3.3	4.4	4.4
137.5°	3.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.3	3.3	3.3
140°	2.2	2.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2	3.3	3.3
142.5°	2.2	2.2	2.2	2.2	1.1	2.2	2.2	2.2	3.3	3.3	3.3
145°	3.3	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3
147.5°	3.3	2.2	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3
150°	3.3	3.3	2.2	2.2	1.1	1.1	2.2	2.2	3.3	3.3	3.3
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)