

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: P695232

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-827-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3520.1 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G1

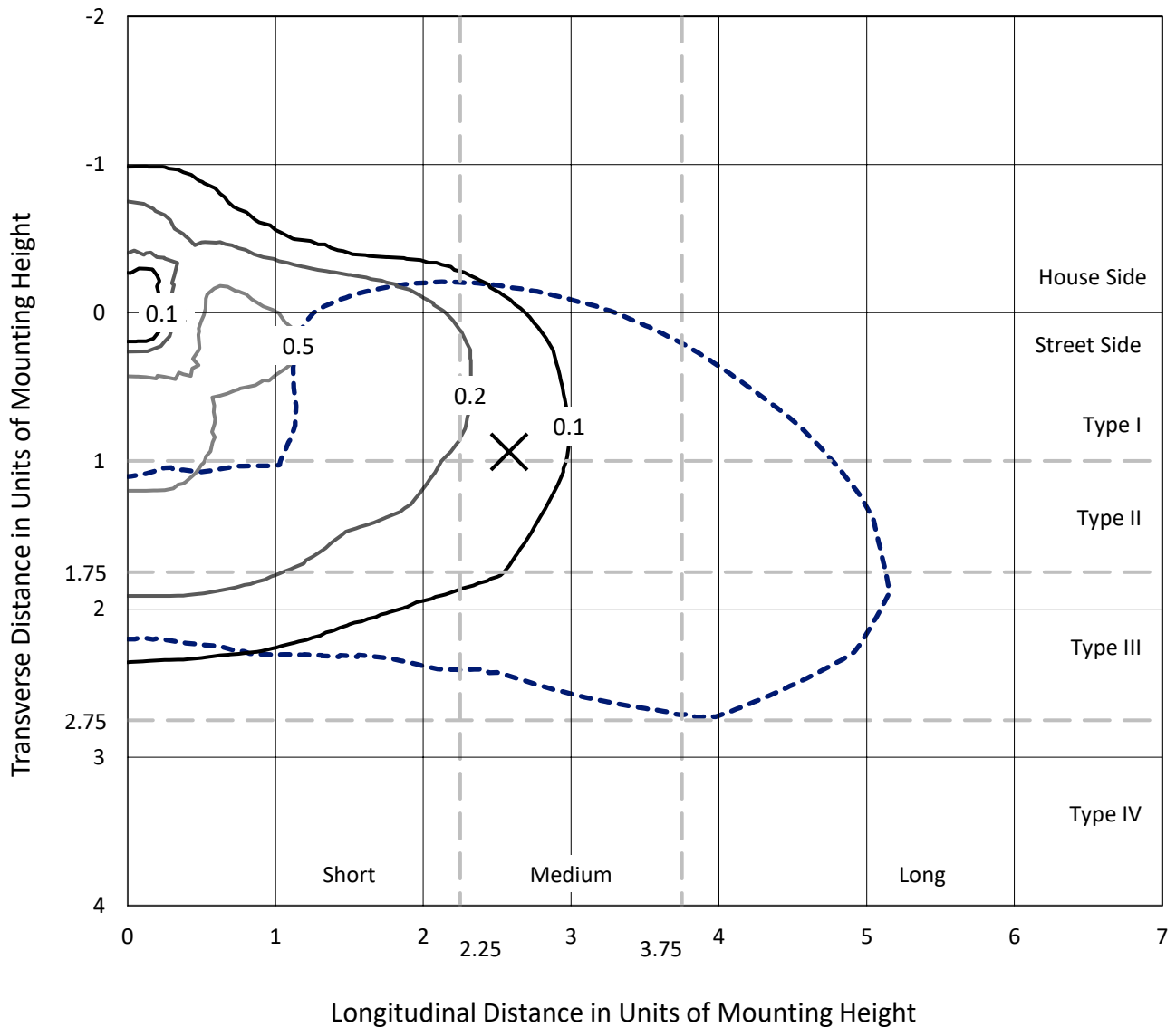
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

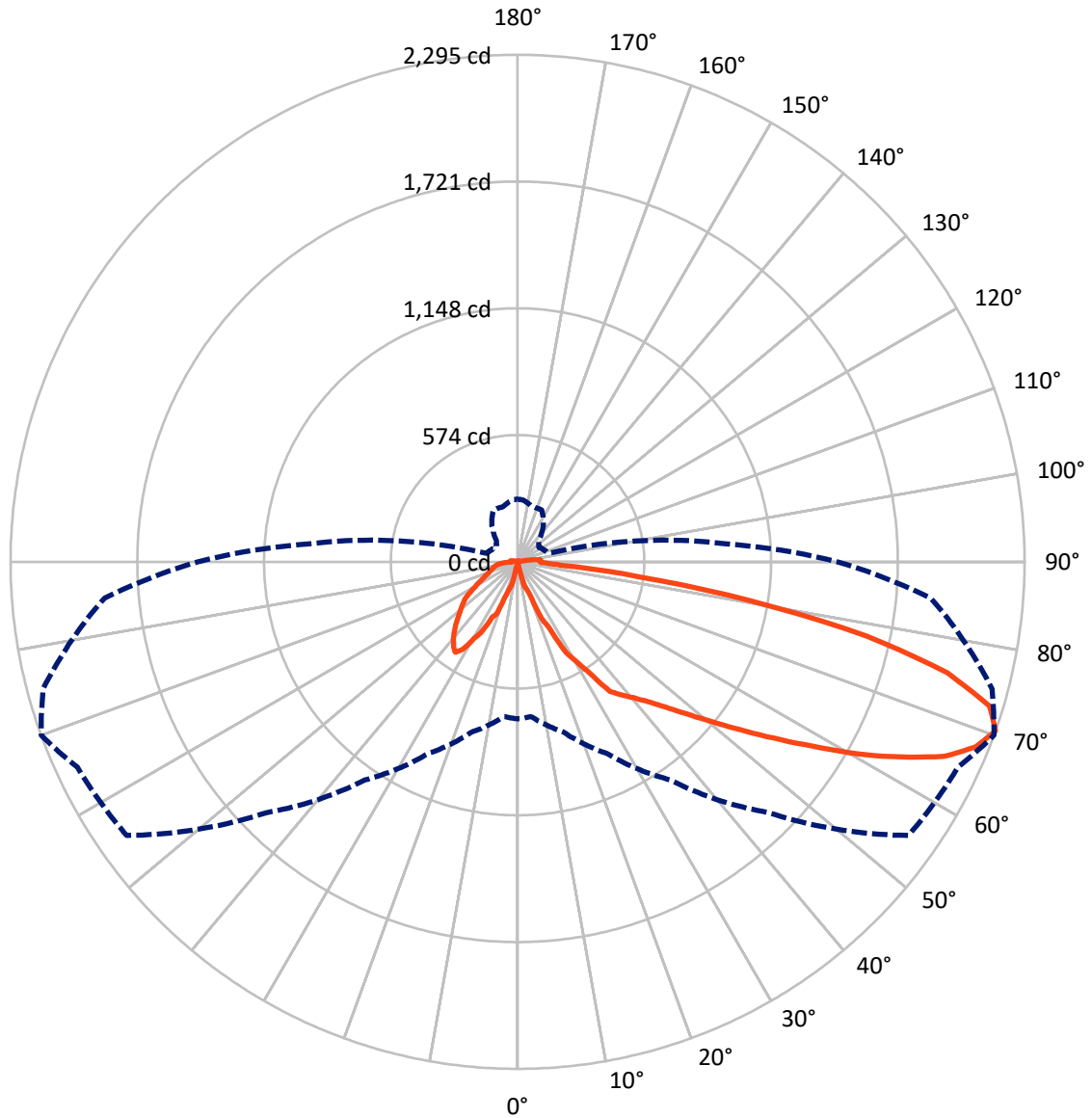
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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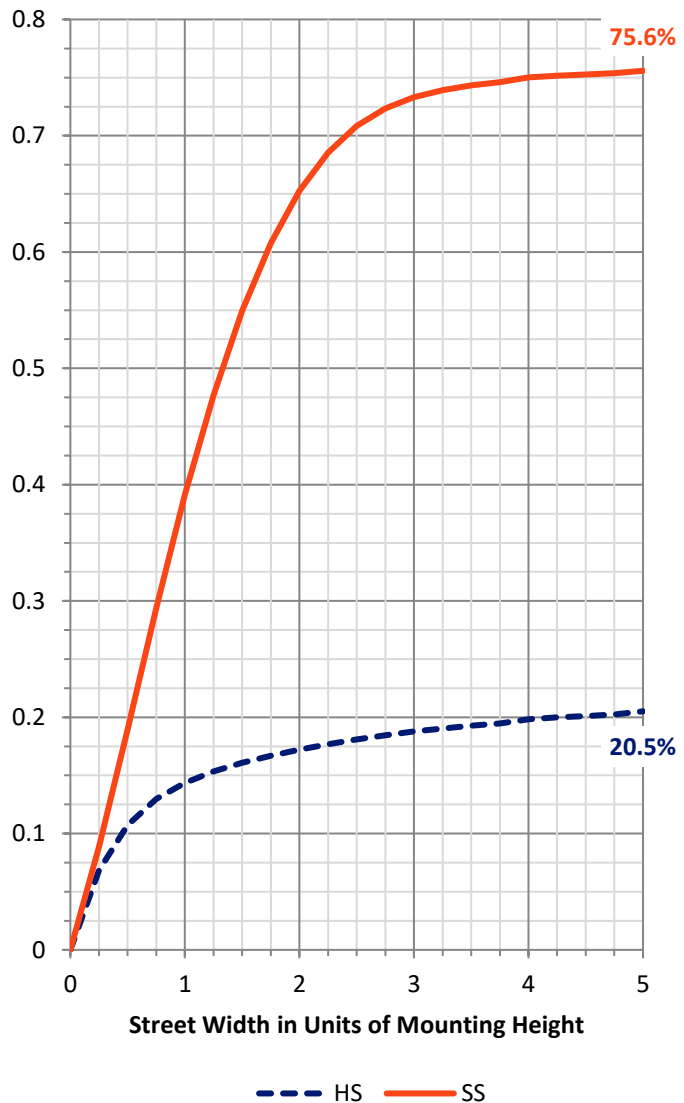
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	766.0	38.0	804.0
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	2682.7	33.4	2716.1
	% Fixture	76.2	0.9	77.2
Total	Lumens	3448.7	71.4	3520.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	25.1	0.7
20°-30°	143.8	4.1
30°-40°	332.0	9.4
40°-50°	486.3	13.8
50°-60°	719.3	20.4
60°-70°	943.4	26.8
70°-80°	640.7	18.2
80°-90°	157.6	4.5
90°-100°	51.8	1.5
100°-110°	9.2	0.3
110°-120°	3.7	0.1
120°-130°	2.9	0.1
130°-140°	2.1	0.1
140°-150°	1.6	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3448.7	98.0
0°-180°	3520.1	100.0

Coefficient of Utilization

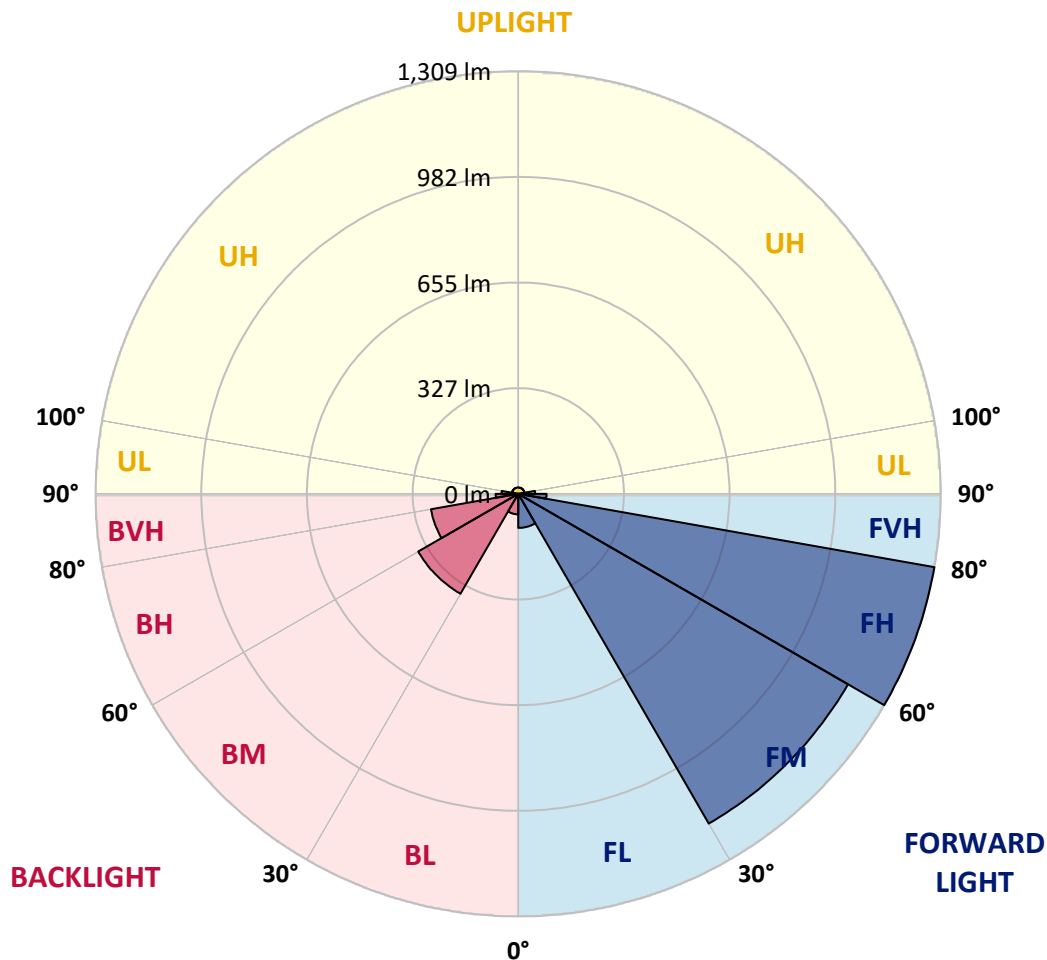


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	105.7	3.0			
FM (30°-60°)	1179.9	33.5			
FH (60°-80°)	1309.5	37.2			G1/1800
FVH (80°-90°)	87.6	2.5			G1/100
BL (0°-30°)	63.6	1.8	B0/110		
BM (30°-60°)	357.7	10.2	B1/1000		
BH (60°-80°)	274.7	7.8	B1/500		G1/500
BVH (80°-90°)	70.0	2.0			G1/100
UL (90°-100°)	51.8	1.5		U3/500	
UH (100°-180°)	19.6	0.6		U2/50	

BUG Rating: B1-U3-G1
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
5°	2.5	2.5	2.5	2.5	3.7	3.7	2.5	2.5	2.5	2.5	2.5
7.5°	3.7	2.5	2.5	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5
10°	20.9	22.2	14.8	8.6	6.2	3.7	3.7	3.7	3.7	3.7	3.7
12.5°	113.3	112.1	109.6	76.4	27.1	8.6	6.2	11.1	13.6	17.2	24.6
15°	128.1	129.3	125.7	124.4	117.0	44.3	23.4	103.5	113.3	114.6	114.6
17.5°	178.6	177.4	160.1	140.4	131.8	136.7	109.6	123.2	128.1	130.6	131.8
20°	300.6	299.3	295.6	252.5	162.6	199.6	193.4	146.6	155.2	199.6	253.8
22.5°	335.1	332.6	327.7	315.4	326.4	227.9	221.7	257.5	279.6	293.2	292.0
25°	513.7	518.6	427.5	354.8	360.9	311.7	335.1	332.6	326.4	328.9	332.6
27.5°	571.6	566.7	559.3	523.5	401.6	423.8	381.9	425.0	464.4	486.6	480.4
30°	733.0	731.7	644.3	582.7	527.2	459.5	475.5	535.9	522.3	526.0	506.3
32.5°	856.1	854.9	842.6	719.4	597.5	519.8	564.2	566.7	601.2	668.9	675.1
35°	904.2	899.3	890.6	800.7	680.0	612.2	596.2	700.9	720.6	723.1	705.9
37.5°	953.5	947.3	939.9	840.1	761.3	649.2	683.7	763.8	763.8	779.8	736.7
40°	981.8	981.8	980.6	873.4	798.2	682.5	726.8	811.8	809.3	820.4	779.8
42.5°	1017.5	1013.8	1027.4	907.9	836.4	716.9	768.7	857.4	864.8	893.1	837.7
45°	1068.0	1073.0	1079.1	981.8	888.2	767.5	818.0	928.8	936.2	974.4	921.4
47.5°	1123.5	1129.6	1151.8	1059.4	971.9	831.5	859.8	1010.1	1027.4	1074.2	1027.4
50°	1192.4	1193.7	1225.7	1137.0	1079.1	922.7	936.2	1089.0	1134.5	1176.4	1148.1
52.5°	1241.7	1246.6	1286.1	1236.8	1177.7	1032.3	1047.1	1191.2	1262.7	1314.4	1278.7
55°	1284.8	1288.5	1325.5	1313.2	1260.2	1116.1	1191.2	1329.2	1409.3	1453.6	1438.8
57.5°	1300.8	1304.5	1360.0	1369.8	1344.0	1222.0	1342.7	1465.9	1573.1	1622.4	1597.7
60°	1289.8	1289.8	1357.5	1410.5	1436.4	1339.0	1502.9	1619.9	1765.3	1798.5	1807.1
62.5°	1252.8	1262.7	1345.2	1427.7	1502.9	1453.6	1665.5	1810.8	1945.1	1975.9	1956.2
65°	1171.5	1174.0	1261.4	1390.8	1510.3	1578.0	1873.7	1972.2	2123.7	2112.6	2028.9
67.5°	1017.5	1000.3	1076.7	1259.0	1429.0	1642.1	2047.4	2109.0	2235.8	2198.9	2010.4
70°	710.8	703.4	797.0	957.2	1204.8	1605.1	2159.5	2198.9	2295.0	2223.5	1876.1
72.5°	337.5	364.6	411.4	548.2	835.2	1355.1	2128.7	2190.3	2233.4	2152.1	1629.8
75°	147.8	151.5	176.2	248.8	429.9	856.1	1862.6	1967.3	2010.4	1918.0	1283.6
77.5°	105.9	105.9	117.0	135.5	195.9	409.0	1268.8	1558.3	1613.7	1523.8	899.3
80°	82.5	82.5	91.2	103.5	122.0	168.8	790.9	1044.6	1064.3	931.3	501.4
82.5°	61.6	64.1	71.4	77.6	89.9	115.8	338.8	537.1	550.6	432.4	262.4
85°	44.3	44.3	49.3	49.3	59.1	89.9	174.9	197.1	195.9	173.7	162.6
87.5°	14.8	14.8	12.3	14.8	24.6	56.7	109.6	110.9	105.9	120.7	136.7
90°	17.2	17.2	12.3	13.6	18.5	51.7	105.9	105.9	101.0	108.4	136.7
92.5°	18.5	18.5	13.6	13.6	16.0	45.6	107.2	112.1	105.9	109.6	135.5
95°	18.5	18.5	13.6	12.3	14.8	30.8	103.5	103.5	99.8	97.3	107.2
97.5°	11.1	11.1	8.6	9.9	12.3	16.0	61.6	64.1	56.7	44.3	57.9
100°	7.4	7.4	6.2	7.4	8.6	8.6	29.6	30.8	23.4	11.1	12.3
102.5°	7.4	7.4	4.9	6.2	4.9	4.9	8.6	11.1	7.4	7.4	9.9
105°	7.4	8.6	3.7	3.7	3.7	3.7	3.7	7.4	6.2	6.2	9.9
107.5°	7.4	7.4	3.7	3.7	3.7	3.7	2.5	3.7	4.9	6.2	11.1
110°	3.7	4.9	2.5	3.7	2.5	3.7	2.5	3.7	4.9	4.9	8.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	2.5	2.5	1.2	2.5	2.5	2.5	2.5	3.7	3.7	3.7	6.2
115°	2.5	2.5	1.2	1.2	1.2	2.5	2.5	2.5	3.7	3.7	6.2
117.5°	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.7	6.2
120°	3.7	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7	6.2
122.5°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
125°	3.7	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
127.5°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	6.2
130°	2.5	2.5	1.2	1.2	1.2	1.2	1.2	2.5	2.5	3.7	4.9
132.5°	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	4.9
135°	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	2.5	2.5	3.7
137.5°	2.5	2.5	1.2	1.2	2.5	2.5	2.5	2.5	2.5	2.5	2.5
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	3.7	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
150°	3.7	3.7	3.7	2.5	2.5	1.2	2.5	2.5	2.5	2.5	3.7
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7
5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
7.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
10°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7
12.5°	22.2	22.2	17.2	8.6	3.7	2.5	2.5	2.5	3.7	6.2	4.9
15°	117.0	117.0	114.6	104.7	22.2	6.2	4.9	11.1	49.3	88.7	89.9
17.5°	134.3	133.0	130.6	124.4	110.9	39.4	38.2	103.5	110.9	115.8	117.0
20°	252.5	250.1	193.4	138.0	120.7	119.5	104.7	117.0	120.7	123.2	124.4
22.5°	288.3	284.6	271.0	239.0	138.0	162.6	152.8	126.9	189.7	203.3	203.3
25°	331.4	321.5	294.4	257.5	235.3	171.2	176.2	184.8	195.9	198.3	198.3
27.5°	471.8	463.2	423.8	283.3	252.5	202.0	204.5	187.2	197.1	225.4	229.1
30°	494.0	480.4	444.7	349.8	262.4	226.7	195.9	219.3	230.4	229.1	230.4
32.5°	657.8	644.3	571.6	359.7	282.1	213.1	214.3	219.3	226.7	239.0	247.6
35°	683.7	668.9	586.4	409.0	269.8	211.9	211.9	221.7	255.0	259.9	259.9
37.5°	712.0	699.7	580.2	381.9	272.2	211.9	205.7	226.7	240.2	239.0	239.0
40°	761.3	741.6	564.2	348.6	247.6	203.3	205.7	213.1	220.5	213.1	209.4
42.5°	819.2	783.5	543.3	314.1	227.9	192.2	194.6	197.1	197.1	183.5	182.3
45°	893.1	826.6	514.9	282.1	209.4	178.6	184.8	181.1	181.1	170.0	168.8
47.5°	976.9	870.9	480.4	253.8	193.4	166.3	174.9	171.2	173.7	163.8	162.6
50°	1074.2	928.8	447.2	232.8	179.9	160.1	165.1	170.0	173.7	161.4	160.1
52.5°	1176.4	985.5	423.8	209.4	167.5	152.8	168.8	170.0	172.5	160.1	160.1
55°	1302.1	1055.7	395.4	192.2	158.9	146.6	177.4	177.4	173.7	162.6	161.4
57.5°	1437.6	1125.9	342.5	176.2	151.5	142.9	181.1	187.2	178.6	165.1	165.1
60°	1563.2	1196.1	282.1	163.8	144.1	141.7	183.5	192.2	184.8	172.5	172.5
62.5°	1659.3	1230.6	236.5	154.0	135.5	138.0	182.3	202.0	199.6	193.4	193.4
65°	1670.4	1199.8	198.3	145.4	128.1	136.7	179.9	211.9	213.1	223.0	224.2
67.5°	1611.3	1101.3	168.8	138.0	122.0	133.0	181.1	232.8	239.0	257.5	255.0
70°	1448.7	941.1	146.6	129.3	117.0	134.3	203.3	258.7	257.5	280.9	283.3
72.5°	1209.7	745.3	133.0	124.4	119.5	144.1	229.1	266.1	261.2	287.0	284.6
75°	917.7	526.0	122.0	118.3	115.8	146.6	235.3	258.7	248.8	266.1	263.6
77.5°	603.6	346.2	110.9	110.9	112.1	140.4	225.4	246.4	234.1	245.1	243.9
80°	340.0	205.7	99.8	104.7	107.2	134.3	210.6	229.1	216.8	225.4	225.4
82.5°	204.5	146.6	87.5	96.1	98.5	133.0	197.1	213.1	202.0	207.0	200.8
85°	139.2	107.2	69.0	81.3	92.4	128.1	186.0	197.1	177.4	173.7	168.8
87.5°	113.3	83.8	38.2	51.7	69.0	109.6	147.8	149.1	130.6	128.1	126.9
90°	110.9	77.6	27.1	28.3	45.6	76.4	97.3	93.6	87.5	88.7	87.5
92.5°	108.4	73.9	29.6	30.8	45.6	60.4	82.5	81.3	75.1	81.3	80.1
95°	92.4	64.1	30.8	33.3	39.4	37.0	60.4	64.1	59.1	62.8	64.1
97.5°	48.0	34.5	29.6	33.3	29.6	22.2	35.7	40.7	30.8	24.6	27.1
100°	16.0	11.1	29.6	34.5	22.2	16.0	25.9	29.6	18.5	7.4	7.4
102.5°	9.9	9.9	20.9	27.1	16.0	8.6	17.2	20.9	13.6	6.2	6.2
105°	9.9	9.9	8.6	14.8	6.2	4.9	6.2	11.1	7.4	6.2	6.2
107.5°	11.1	9.9	4.9	4.9	4.9	3.7	3.7	4.9	4.9	6.2	6.2
110°	9.9	8.6	4.9	4.9	3.7	3.7	3.7	3.7	4.9	7.4	7.4

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 CATALOG NUMBER: LXF.LXT-PA16-40-827-U-T3-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.2	7.4	4.9	3.7	3.7	3.7	3.7	3.7	4.9	7.4	7.4
115°	6.2	6.2	3.7	3.7	2.5	3.7	3.7	3.7	4.9	7.4	8.6
117.5°	7.4	6.2	3.7	2.5	2.5	2.5	2.5	3.7	4.9	8.6	8.6
120°	7.4	6.2	3.7	3.7	2.5	2.5	2.5	3.7	4.9	8.6	9.9
122.5°	7.4	6.2	3.7	2.5	2.5	2.5	2.5	3.7	4.9	8.6	9.9
125°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	3.7	4.9	8.6	8.6
127.5°	6.2	6.2	3.7	2.5	2.5	2.5	2.5	3.7	4.9	8.6	8.6
130°	6.2	4.9	3.7	2.5	2.5	2.5	2.5	3.7	4.9	7.4	8.6
132.5°	4.9	4.9	3.7	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4
135°	3.7	3.7	2.5	2.5	2.5	2.5	2.5	2.5	3.7	4.9	6.2
137.5°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	3.7	3.7	4.9
140°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	3.7	3.7
142.5°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	3.7	3.7
145°	2.5	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	3.7	3.7
147.5°	3.7	2.5	2.5	2.5	1.2	1.2	2.5	2.5	2.5	3.7	3.7
150°	3.7	2.5	2.5	1.2	1.2	1.2	1.2	2.5	2.5	3.7	3.7
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)