

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: P695847

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695847
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-PA16-727-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA 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: 5933.9 lumens
Efficiency: N/A
Efficacy: 82.4 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 - U3 - G3

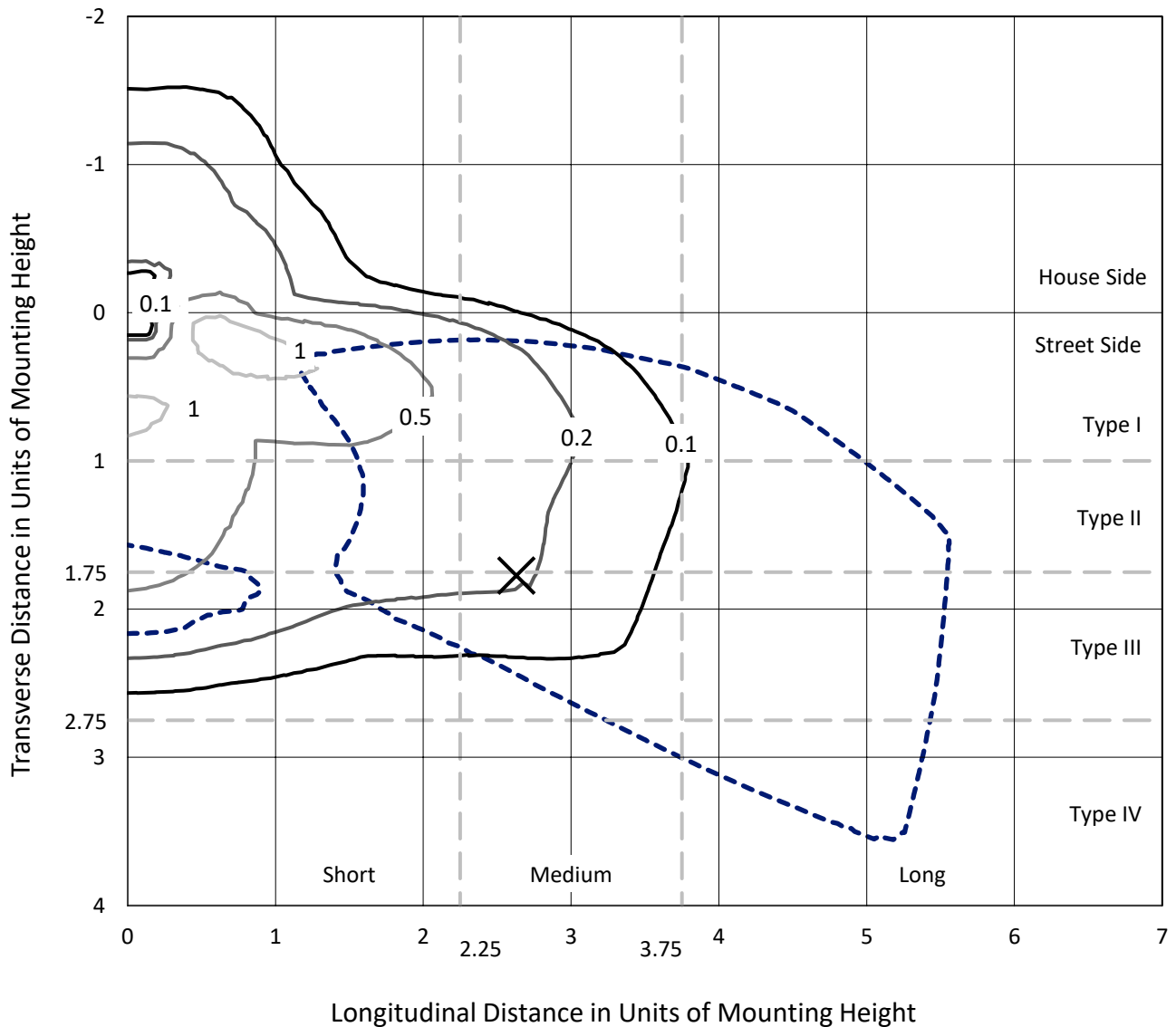
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

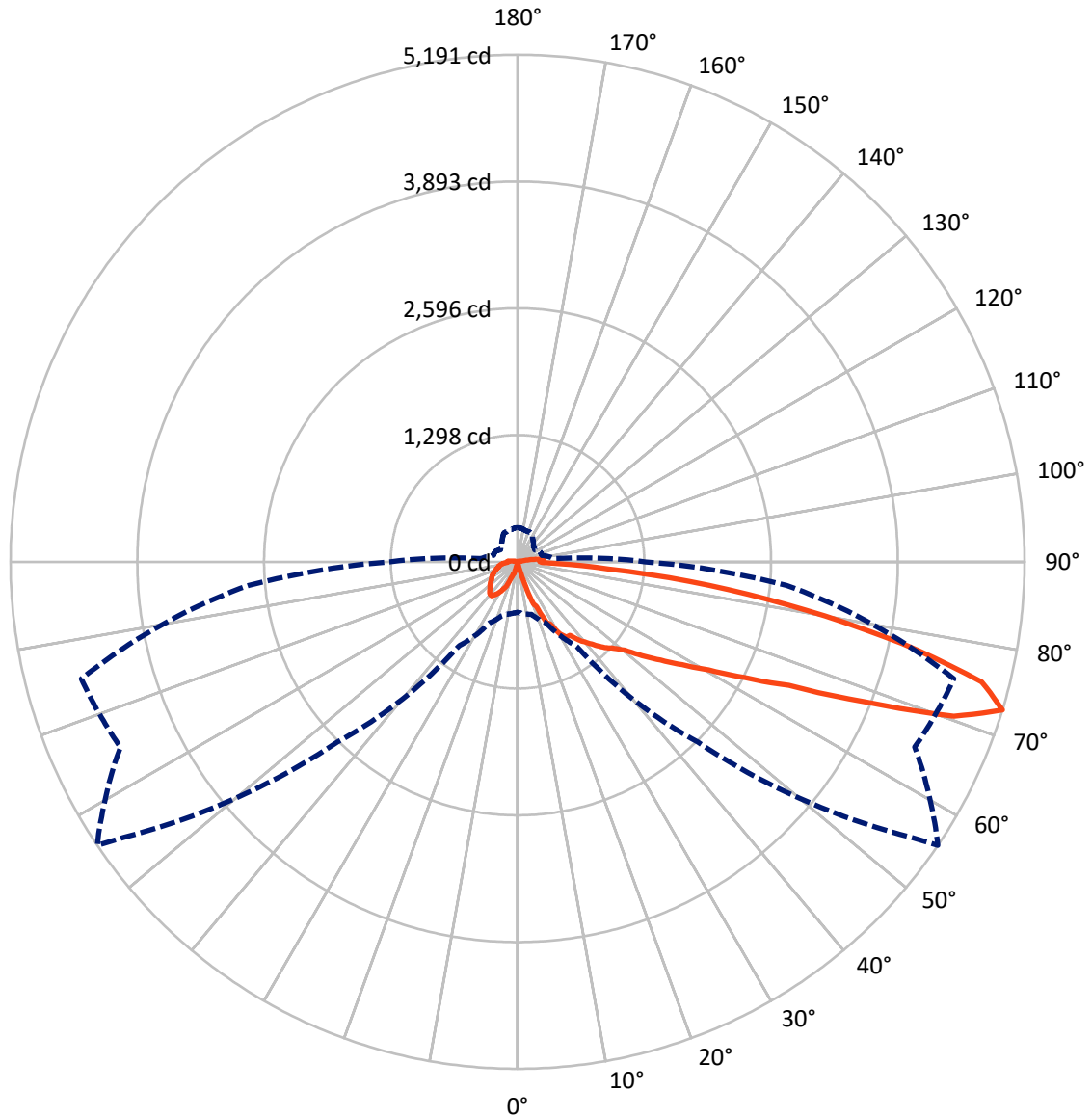
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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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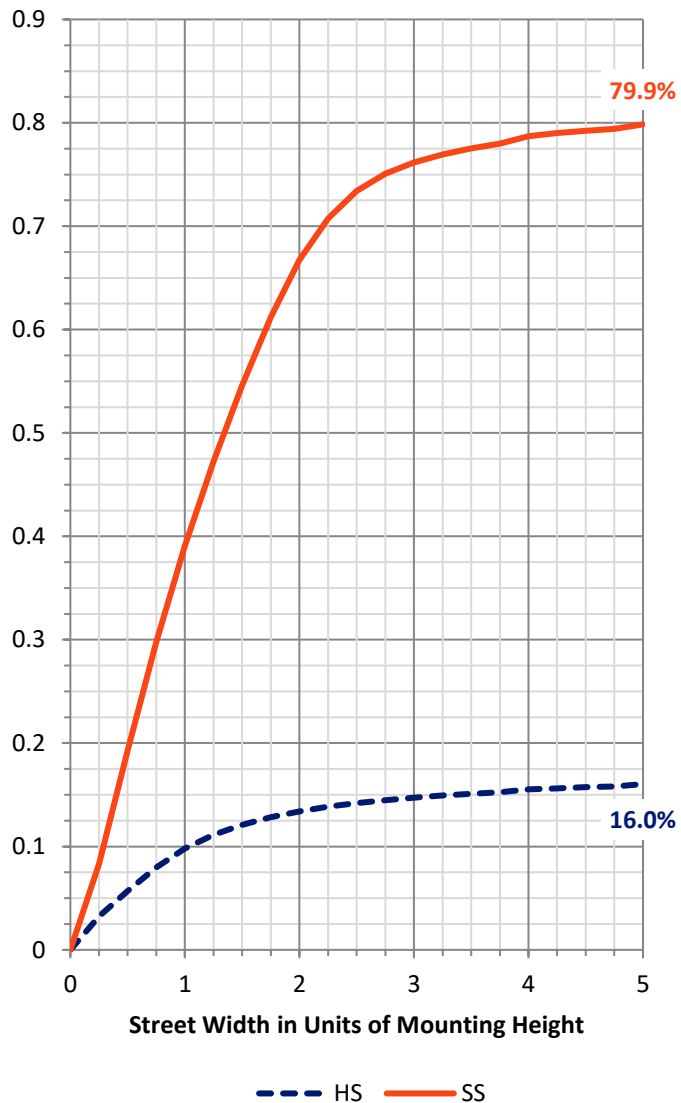
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1013.7	64.2	1077.9
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	4788.4	67.6	4856.0
	% Fixture	80.7	1.1	81.8
Total	Lumens	5802.1	131.8	5933.9
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.8	0.0
10°-20°	48.8	0.8
20°-30°	229.4	3.9
30°-40°	505.0	8.5
40°-50°	757.3	12.8
50°-60°	1115.2	18.8
60°-70°	1548.5	26.1
70°-80°	1247.6	21.0
80°-90°	349.6	5.9
90°-100°	94.2	1.6
100°-110°	18.2	0.3
110°-120°	7.1	0.1
120°-130°	5.5	0.1
130°-140°	3.8	0.1
140°-150°	2.8	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5802.1	97.8
0°-180°	5933.9	100.0

Coefficient of Utilization

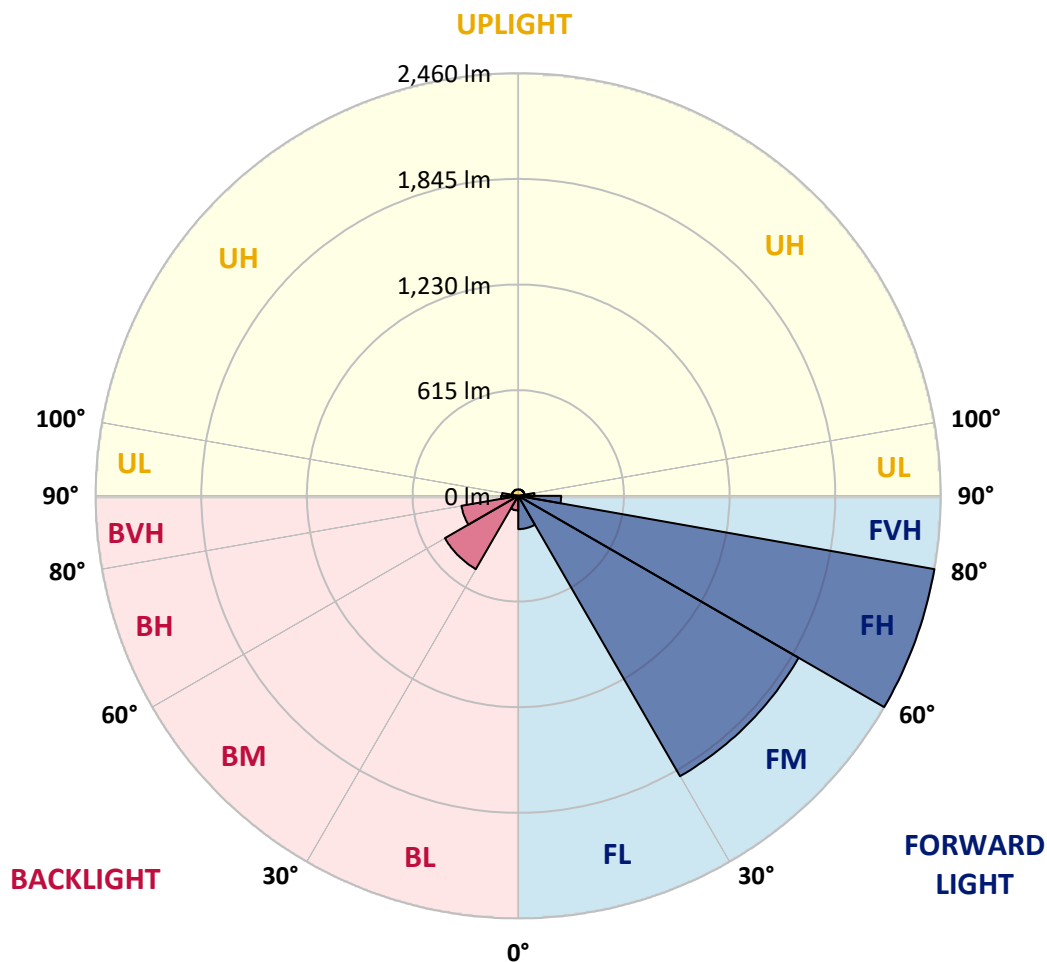


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.8	3.3			
FM (30°-60°)	1884.7	31.8			
FH (60°-80°)	2460.4	41.5			G2/5000
FVH (80°-90°)	249.5	4.2			G3/500
BL (0°-30°)	85.1	1.4	B0/110		
BM (30°-60°)	492.8	8.3	B1/1000		
BH (60°-80°)	335.7	5.7	B1/500		G1/500
BVH (80°-90°)	100.1	1.7			G2/225
UL (90°-100°)	94.2	1.6		U3/500	
UH (100°-180°)	37.7	0.6		U2/50	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
5°	6.5	6.5	6.5	6.5	8.7	8.7	6.5	6.5	6.5	6.5	6.5
7.5°	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5
10°	63.0	60.8	54.3	36.9	21.7	10.9	8.7	8.7	8.7	8.7	10.9
12.5°	276.0	273.8	276.0	258.6	69.5	36.9	17.4	17.4	26.1	34.8	45.6
15°	291.2	293.3	293.3	284.7	284.7	121.7	67.4	93.4	267.3	291.2	284.7
17.5°	382.4	369.4	317.2	304.2	310.7	308.6	267.3	267.3	310.7	328.1	323.8
20°	449.8	449.8	452.0	447.6	332.5	425.9	458.5	460.7	367.2	508.5	549.7
22.5°	504.1	508.5	486.7	469.3	506.3	441.1	497.6	497.6	621.5	697.5	669.3
25°	699.7	697.5	658.4	525.8	525.8	534.5	675.8	688.8	777.9	775.7	745.3
27.5°	806.1	806.1	762.7	684.5	582.3	610.6	695.3	725.8	882.2	1121.2	1014.7
30°	1088.6	1093.0	997.4	817.0	704.0	649.7	806.1	860.5	1106.0	1177.7	1053.9
32.5°	1171.2	1173.4	1179.9	1045.2	814.8	721.4	880.0	919.1	1186.4	1490.6	1327.6
35°	1195.1	1199.4	1199.4	1103.8	1021.3	838.7	895.2	923.5	1412.4	1571.0	1329.8
37.5°	1273.3	1271.2	1253.8	1142.9	1101.7	927.8	988.7	1016.9	1505.8	1690.5	1323.3
40°	1384.1	1384.1	1355.9	1219.0	1134.3	1019.1	1053.9	1084.3	1614.5	1831.8	1327.6
42.5°	1512.3	1501.5	1468.9	1305.9	1186.4	1075.6	1140.8	1166.9	1727.5	2009.9	1334.2
45°	1666.6	1655.8	1590.6	1427.6	1277.7	1099.5	1203.8	1253.8	1855.7	2199.0	1373.3
47.5°	1814.4	1810.0	1736.2	1549.3	1368.9	1134.3	1251.6	1321.1	2009.9	2440.2	1449.3
50°	1996.9	1975.2	1879.6	1668.8	1451.5	1201.6	1375.5	1421.1	2172.9	2672.7	1564.5
52.5°	2162.0	2122.9	2023.0	1790.5	1551.5	1295.1	1564.5	1594.9	2359.8	2916.0	1697.0
55°	2322.8	2266.3	2129.5	1916.5	1647.1	1403.7	1768.7	1775.3	2572.7	3165.9	1860.0
57.5°	2564.0	2505.4	2307.6	2033.8	1773.1	1542.8	1966.5	1988.2	2783.5	3446.2	2051.2
60°	2898.7	2857.4	2618.4	2312.0	1996.9	1727.5	2203.3	2246.8	2992.1	3726.5	2240.3
62.5°	3026.9	2979.1	2798.7	2585.8	2316.3	2059.9	2496.7	2614.0	3181.1	4009.0	2459.7
65°	2679.2	2679.2	2583.6	2596.6	2516.2	2592.3	2913.9	3050.8	3402.8	4232.8	2648.8
67.5°	1742.7	1751.4	1812.2	2070.8	2357.6	3022.5	3633.1	3822.1	3739.6	4474.0	2807.4
70°	790.9	821.4	953.9	1312.4	1794.8	3048.6	4461.0	4736.9	4130.7	4639.2	2863.9
72.5°	517.2	528.0	558.4	693.2	1056.0	2611.8	4919.5	5191.1	4487.1	4623.9	2761.8
75°	432.4	425.9	443.3	491.1	532.4	1792.6	4680.4	4906.4	4441.4	4350.2	2514.1
77.5°	358.5	352.0	369.4	395.5	315.1	984.3	3891.7	4022.1	3841.7	3717.8	2051.2
80°	276.0	276.0	284.7	319.4	230.3	478.0	2892.1	2989.9	2844.3	2655.3	1227.7
82.5°	189.0	186.9	206.4	245.5	184.7	276.0	1975.2	1977.3	1699.2	1292.9	578.0
85°	84.7	84.7	102.1	141.2	108.6	171.7	901.8	934.4	578.0	412.9	258.6
87.5°	28.2	28.2	30.4	34.8	36.9	80.4	252.1	256.4	223.8	254.2	191.2
90°	26.1	26.1	26.1	26.1	28.2	78.2	226.0	226.0	199.9	236.8	191.2
92.5°	26.1	26.1	23.9	21.7	23.9	71.7	249.9	269.4	219.5	247.7	199.9
95°	26.1	26.1	21.7	19.6	21.7	52.1	249.9	267.3	230.3	215.1	180.4
97.5°	17.4	17.4	15.2	15.2	17.4	30.4	182.5	189.0	147.8	108.6	108.6
100°	15.2	15.2	10.9	10.9	13.0	17.4	97.8	104.3	71.7	34.8	34.8
102.5°	15.2	15.2	8.7	8.7	8.7	10.9	28.2	30.4	26.1	15.2	17.4
105°	17.4	17.4	8.7	6.5	6.5	8.7	13.0	13.0	15.2	13.0	17.4
107.5°	15.2	15.2	6.5	6.5	6.5	6.5	6.5	6.5	8.7	13.0	17.4
110°	10.9	8.7	6.5	6.5	4.3	6.5	6.5	6.5	6.5	10.9	15.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	6.5	6.5	4.3	4.3	4.3	6.5	4.3	4.3	6.5	8.7	13.0
115°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.7	10.9
117.5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	8.7	13.0
120°	6.5	6.5	4.3	2.2	4.3	4.3	4.3	4.3	4.3	8.7	13.0
122.5°	6.5	6.5	4.3	2.2	4.3	4.3	4.3	4.3	4.3	8.7	13.0
125°	6.5	6.5	4.3	2.2	4.3	2.2	4.3	4.3	4.3	8.7	10.9
127.5°	6.5	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	6.5	10.9
130°	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	6.5	10.9
132.5°	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	6.5	8.7
135°	4.3	4.3	2.2	2.2	4.3	4.3	4.3	4.3	4.3	4.3	6.5
137.5°	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	4.3	6.5
140°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
142.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
147.5°	4.3	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
150°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
2.5°	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5	6.5	6.5
5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
7.5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
10°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
12.5°	52.1	45.6	34.8	19.6	8.7	4.3	4.3	4.3	6.5	8.7	8.7
15°	271.6	254.2	204.3	134.7	43.5	10.9	6.5	19.6	60.8	82.6	80.4
17.5°	310.7	284.7	212.9	147.8	119.5	54.3	56.5	102.1	119.5	128.2	126.0
20°	536.7	443.3	262.9	171.7	139.1	130.4	115.2	130.4	147.8	158.6	160.8
22.5°	610.6	508.5	312.9	256.4	178.2	184.7	171.7	165.1	234.7	252.1	256.4
25°	660.6	528.0	328.1	289.0	271.6	215.1	236.8	243.4	271.6	282.5	284.7
27.5°	847.4	621.5	404.2	330.3	304.2	271.6	280.3	280.3	310.7	362.9	365.0
30°	836.6	584.5	423.7	386.8	341.1	319.4	306.4	356.4	395.5	406.3	408.5
32.5°	980.0	632.3	473.7	408.5	380.3	339.0	362.9	391.1	415.0	445.4	462.8
35°	897.4	571.5	493.3	458.5	402.0	371.6	393.3	419.4	499.8	525.8	525.8
37.5°	806.1	521.5	475.9	462.8	432.4	395.5	402.0	473.7	510.6	499.8	499.8
40°	723.6	486.7	460.7	454.1	434.6	395.5	425.9	460.7	495.4	486.7	486.7
42.5°	671.4	465.0	445.4	441.1	425.9	389.0	412.9	454.1	493.3	478.0	475.9
45°	651.9	445.4	434.6	425.9	402.0	373.7	404.2	458.5	488.9	471.5	469.3
47.5°	671.4	434.6	423.7	412.9	382.4	349.8	408.5	452.0	480.2	454.1	449.8
50°	734.4	434.6	410.7	395.5	367.2	349.8	402.0	436.8	458.5	428.1	421.5
52.5°	817.0	443.3	397.6	375.9	352.0	347.7	393.3	428.1	441.1	408.5	406.3
55°	930.0	458.5	380.3	360.7	328.1	339.0	393.3	430.2	425.9	389.0	386.8
57.5°	1045.2	475.9	365.0	349.8	312.9	328.1	389.0	432.4	406.3	360.7	360.7
60°	1169.0	497.6	345.5	336.8	302.0	312.9	375.9	428.1	386.8	339.0	339.0
62.5°	1292.9	508.5	330.3	323.8	289.0	297.7	360.7	415.0	380.3	334.6	334.6
65°	1392.8	497.6	315.1	306.4	271.6	280.3	339.0	404.2	369.4	336.8	339.0
67.5°	1449.3	467.2	299.9	293.3	254.2	262.9	312.9	380.3	352.0	334.6	339.0
70°	1423.3	415.0	280.3	271.6	236.8	247.7	289.0	352.0	341.1	334.6	341.1
72.5°	1310.3	375.9	256.4	252.1	215.1	230.3	273.8	328.1	328.1	347.7	349.8
75°	1166.9	334.6	236.8	232.5	199.9	210.8	267.3	299.9	306.4	332.5	339.0
77.5°	947.4	280.3	208.6	212.9	195.6	195.6	254.2	282.5	289.0	319.4	321.6
80°	580.2	206.4	180.4	191.2	180.4	186.9	239.0	262.9	267.3	308.6	312.9
82.5°	289.0	145.6	154.3	169.5	160.8	184.7	228.2	249.9	271.6	312.9	315.1
85°	147.8	89.1	117.3	136.9	139.1	204.3	223.8	258.6	254.2	282.5	289.0
87.5°	93.4	45.6	67.4	73.9	104.3	193.4	197.7	212.9	208.6	241.2	241.2
90°	91.3	36.9	58.7	56.5	104.3	165.1	152.1	154.3	165.1	204.3	206.4
92.5°	95.6	34.8	60.8	56.5	110.8	130.4	121.7	117.3	130.4	154.3	158.6
95°	84.7	32.6	65.2	60.8	95.6	86.9	78.2	86.9	84.7	84.7	86.9
97.5°	50.0	23.9	63.0	60.8	76.1	45.6	52.1	65.2	50.0	36.9	34.8
100°	21.7	15.2	60.8	58.7	47.8	28.2	43.5	54.3	36.9	15.2	15.2
102.5°	13.0	13.0	43.5	54.3	28.2	15.2	32.6	36.9	21.7	13.0	13.0
105°	13.0	13.0	21.7	32.6	10.9	8.7	15.2	17.4	10.9	10.9	10.9
107.5°	13.0	13.0	10.9	10.9	8.7	8.7	8.7	8.7	8.7	10.9	10.9
110°	13.0	13.0	8.7	10.9	8.7	6.5	6.5	6.5	8.7	10.9	10.9

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.9	10.9	8.7	8.7	6.5	6.5	6.5	6.5	8.7	10.9	10.9
115°	10.9	10.9	8.7	6.5	6.5	6.5	6.5	6.5	8.7	10.9	10.9
117.5°	10.9	8.7	6.5	6.5	6.5	6.5	6.5	6.5	8.7	13.0	13.0
120°	10.9	8.7	6.5	6.5	4.3	4.3	6.5	6.5	8.7	13.0	13.0
122.5°	10.9	10.9	6.5	6.5	4.3	4.3	4.3	6.5	8.7	13.0	13.0
125°	10.9	8.7	6.5	6.5	4.3	4.3	4.3	4.3	8.7	13.0	13.0
127.5°	10.9	8.7	6.5	4.3	4.3	4.3	4.3	4.3	8.7	13.0	13.0
130°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	4.3	8.7	10.9	13.0
132.5°	8.7	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	10.9	10.9
135°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.7	8.7
137.5°	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
140°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	6.5	6.5
142.5°	4.3	4.3	4.3	4.3	2.2	4.3	4.3	4.3	6.5	6.5	6.5
145°	6.5	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5
147.5°	6.5	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5
150°	6.5	6.5	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	6.5
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)