

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: P695846

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
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-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5750 lumens
Efficiency: N/A
Efficacy: 79.9 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 - G3

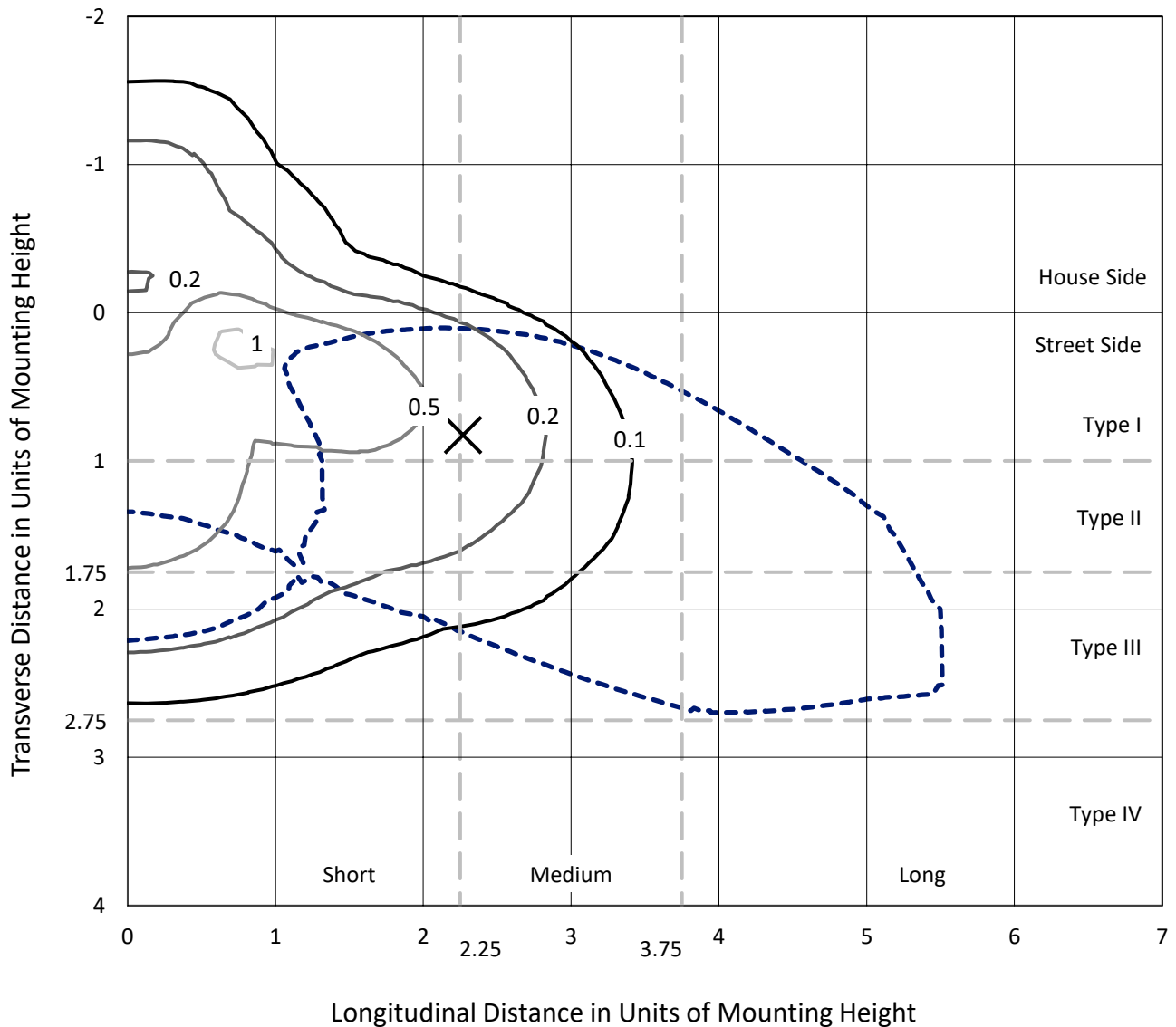
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

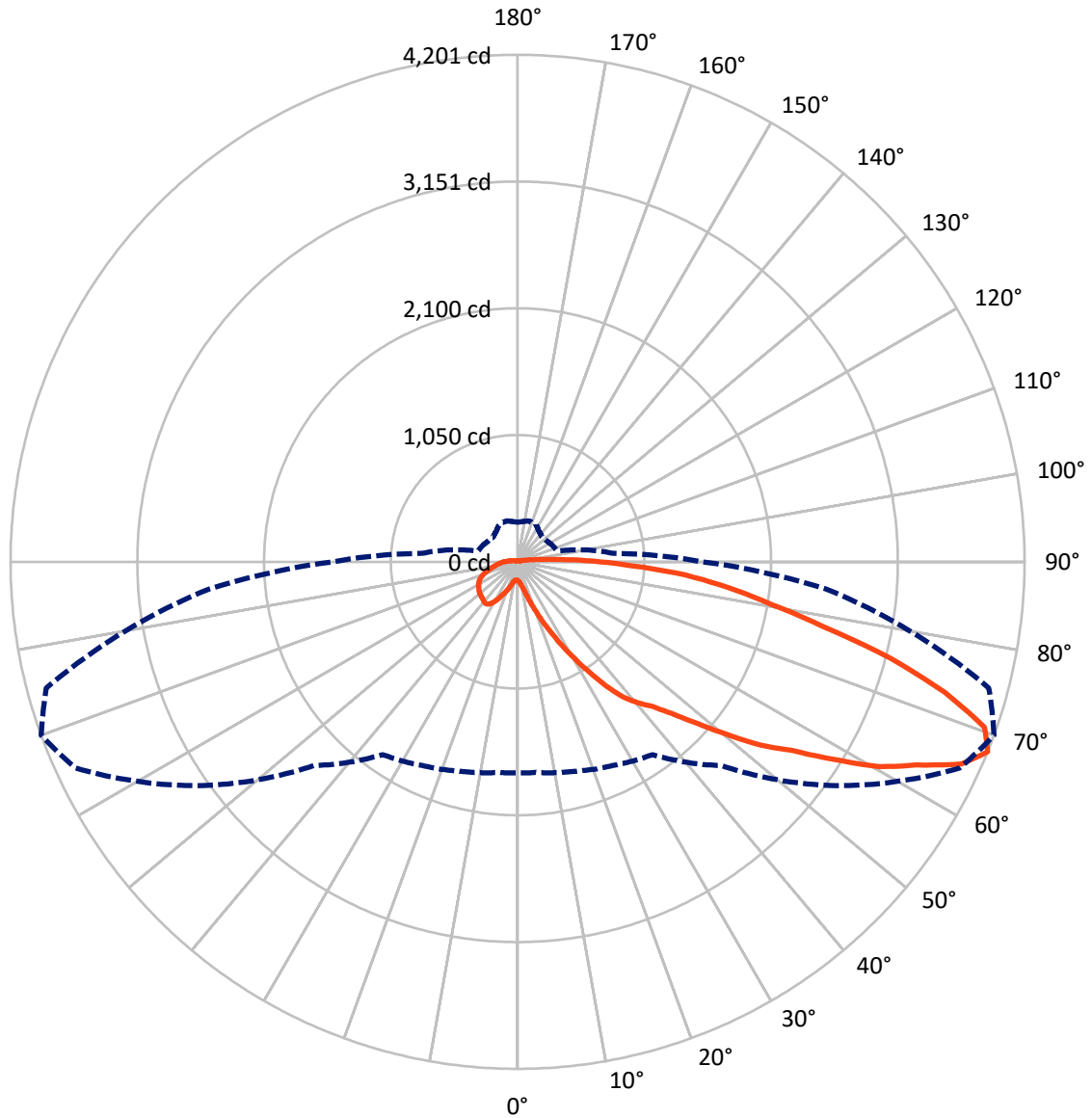
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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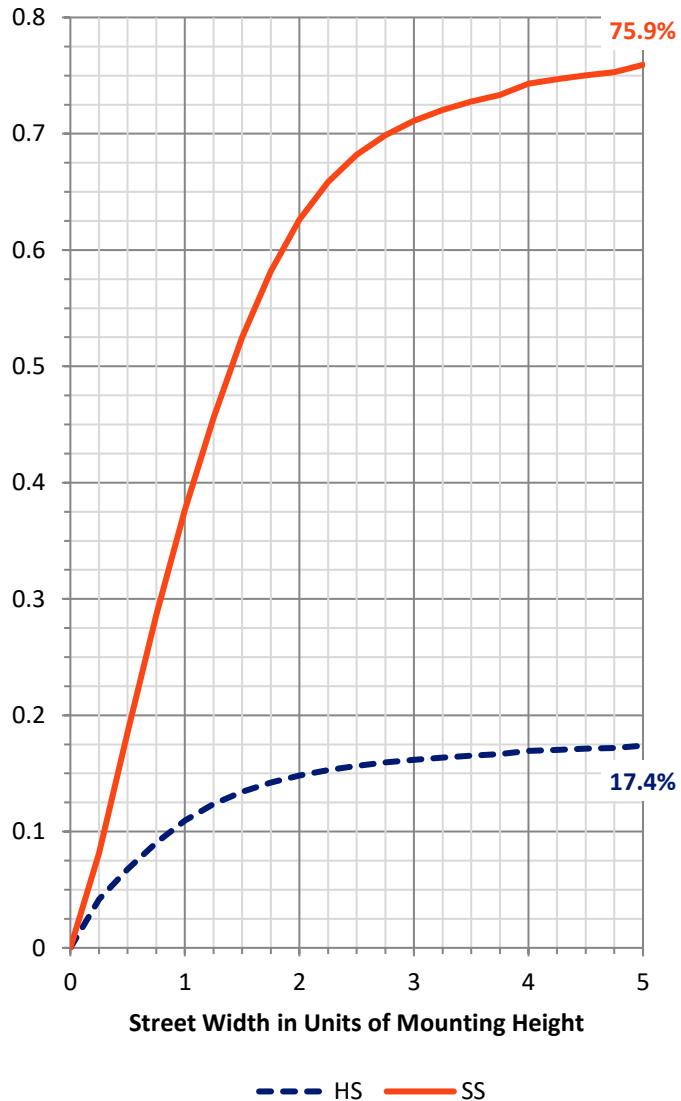
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1050.3	93.9	1144.2
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	4486.0	119.8	4605.8
	% Fixture	78.0	2.1	80.1
Total	Lumens	5536.3	213.7	5750.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	0.3
10°-20°	70.1	1.2
20°-30°	207.3	3.6
30°-40°	453.3	7.9
40°-50°	713.4	12.4
50°-60°	1103.1	19.2
60°-70°	1474.4	25.6
70°-80°	1043.2	18.1
80°-90°	455.6	7.9
90°-100°	128.2	2.2
100°-110°	41.1	0.7
110°-120°	20.0	0.3
120°-130°	12.3	0.2
130°-140°	8.0	0.1
140°-150°	3.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5536.3	96.3
0°-180°	5750.0	100.0

Coefficient of Utilization

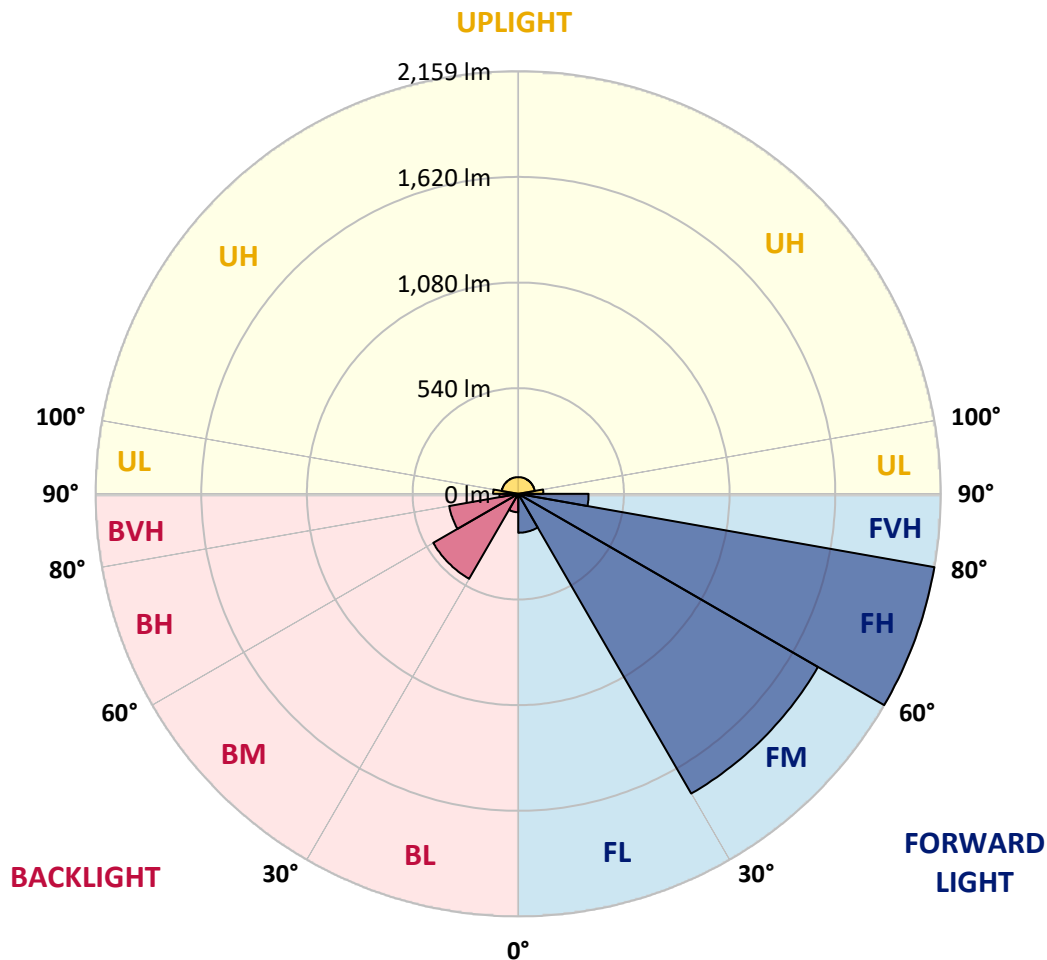


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.0	3.5			
FM (30°-60°)	1768.3	30.8			
FH (60°-80°)	2159.4	37.6			G2/5000
FVH (80°-90°)	359.4	6.2			G3/500
BL (0°-30°)	94.4	1.6	B0/110		
BM (30°-60°)	501.5	8.7	B1/1000		
BH (60°-80°)	358.2	6.2	B1/500		G1/500
BVH (80°-90°)	96.2	1.7			G1/100
UL (90°-100°)	128.2	2.2		U3/500	
UH (100°-180°)	85.5	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	165.2	165.2	167.3	165.2	165.2	165.2	163.0	160.8	158.6	158.6	156.5
5°	182.5	182.5	182.5	182.5	180.4	178.2	176.0	171.7	169.5	167.3	163.0
7.5°	204.3	204.3	204.3	204.3	202.1	199.9	193.4	186.9	184.7	182.5	173.9
10°	236.9	236.9	236.9	232.5	230.4	226.0	219.5	213.0	208.6	204.3	191.2
12.5°	280.3	278.2	278.2	273.8	265.1	256.4	254.3	247.7	243.4	239.0	223.8
15°	334.7	334.7	334.7	323.8	315.1	306.4	304.2	297.7	297.7	291.2	271.6
17.5°	395.5	395.5	386.8	376.0	369.4	365.1	367.3	365.1	362.9	354.2	328.1
20°	462.9	460.7	449.8	434.6	425.9	430.3	436.8	443.3	441.1	430.3	393.3
22.5°	549.8	545.5	525.9	504.2	484.6	491.1	512.9	534.6	541.1	523.7	478.1
25°	643.2	643.2	615.0	582.4	558.5	556.3	586.7	647.6	651.9	649.8	584.6
27.5°	767.1	760.6	721.5	673.7	628.0	630.2	678.0	758.4	784.5	782.3	695.4
30°	901.9	899.7	854.0	784.5	706.3	695.4	773.6	895.3	927.9	941.0	823.6
32.5°	1006.2	1017.0	960.5	893.2	791.0	762.8	860.6	1023.5	1088.7	1093.1	943.1
35°	1123.5	1123.5	1069.2	984.4	864.9	828.0	949.7	1162.6	1262.6	1271.3	1064.8
37.5°	1171.3	1186.5	1145.2	1064.8	934.5	884.5	1040.9	1319.1	1421.2	1451.7	1153.9
40°	1234.3	1247.4	1201.7	1114.8	991.0	943.1	1119.2	1436.4	1536.4	1551.6	1182.2
42.5°	1356.0	1366.9	1299.5	1177.8	1038.8	993.1	1175.7	1514.7	1636.4	1660.3	1230.0
45°	1479.9	1490.8	1429.9	1286.5	1099.6	1040.9	1230.0	1642.9	1790.7	1812.4	1301.7
47.5°	1647.2	1651.6	1571.2	1408.2	1190.9	1097.4	1312.6	1814.6	1999.3	2025.4	1399.5
50°	1829.8	1836.3	1732.0	1549.4	1295.2	1193.1	1429.9	2010.2	2247.0	2288.3	1540.8
52.5°	2012.3	1992.8	1899.3	1710.3	1434.3	1308.2	1566.8	2260.1	2523.0	2546.9	1671.1
55°	2218.8	2188.4	2071.0	1853.7	1588.6	1456.0	1779.8	2501.3	2757.7	2775.1	1814.6
57.5°	2433.9	2405.7	2255.7	2012.3	1745.0	1666.8	2014.5	2766.4	3085.9	3131.5	2034.1
60°	2470.9	2455.6	2347.0	2160.1	1918.9	1895.0	2301.4	3116.3	3446.6	3448.8	2218.8
62.5°	2425.2	2418.7	2318.7	2190.5	2051.4	2131.9	2683.8	3448.8	3707.4	3683.5	2383.9
65°	2205.7	2181.8	2181.8	2118.8	2086.2	2347.0	3020.7	3763.9	4039.9	3966.0	2540.4
67.5°	1749.4	1751.6	1797.2	1862.4	1949.3	2386.1	3233.6	4042.0	4200.7	4042.0	2557.8
70°	1232.2	1264.8	1362.6	1508.2	1679.8	2210.1	3244.5	4009.4	4102.9	3946.4	2444.8
72.5°	901.9	875.8	951.8	1084.4	1343.0	1901.5	2966.3	3698.7	3703.0	3472.7	2116.6
75°	610.7	612.8	667.2	782.3	975.7	1547.3	2577.3	3203.2	3190.2	2925.0	1764.6
77.5°	406.4	410.7	460.7	552.0	734.5	1240.9	2155.8	2649.1	2590.4	2410.0	1414.7
80°	278.2	289.0	317.3	382.5	534.6	982.3	1768.9	2173.1	2125.3	1951.5	1140.9
82.5°	199.9	202.1	230.4	280.3	382.5	751.9	1440.8	1823.3	1758.1	1571.2	910.5
85°	152.1	152.1	171.7	206.4	276.0	573.7	1149.6	1451.7	1393.0	1214.8	680.2
87.5°	110.8	113.0	126.0	156.5	204.3	434.6	882.3	1043.1	949.7	838.8	467.2
90°	71.7	76.1	84.8	113.0	152.1	308.6	615.0	682.4	619.3	519.4	302.1
92.5°	45.6	45.6	54.3	76.1	110.8	210.8	386.8	404.2	349.9	317.3	184.7
95°	30.4	32.6	39.1	52.2	78.2	143.4	232.5	234.7	206.4	173.9	117.3
97.5°	26.1	26.1	30.4	39.1	58.7	97.8	136.9	132.6	119.5	106.5	82.6
100°	21.7	21.7	26.1	32.6	47.8	71.7	86.9	84.8	78.2	76.1	65.2
102.5°	19.6	19.6	21.7	28.3	39.1	56.5	63.0	58.7	56.5	56.5	50.0
105°	17.4	17.4	19.6	23.9	32.6	45.6	47.8	43.5	43.5	41.3	39.1
107.5°	15.2	15.2	17.4	19.6	28.3	36.9	36.9	32.6	32.6	32.6	32.6
110°	15.2	15.2	15.2	17.4	23.9	30.4	30.4	26.1	26.1	23.9	26.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	13.0	13.0	13.0	17.4	21.7	26.1	23.9	21.7	19.6	19.6	21.7
115°	13.0	10.9	13.0	15.2	19.6	21.7	21.7	17.4	17.4	17.4	19.6
117.5°	10.9	10.9	10.9	13.0	17.4	19.6	17.4	15.2	15.2	15.2	17.4
120°	10.9	10.9	10.9	13.0	17.4	17.4	15.2	13.0	13.0	13.0	15.2
122.5°	10.9	10.9	10.9	13.0	15.2	15.2	15.2	13.0	13.0	13.0	15.2
125°	10.9	10.9	10.9	13.0	15.2	15.2	13.0	10.9	10.9	10.9	15.2
127.5°	10.9	10.9	10.9	13.0	13.0	13.0	10.9	10.9	10.9	10.9	13.0
130°	10.9	10.9	10.9	13.0	13.0	10.9	10.9	10.9	10.9	10.9	13.0
132.5°	10.9	10.9	10.9	13.0	13.0	10.9	10.9	8.7	10.9	10.9	13.0
135°	10.9	10.9	10.9	10.9	10.9	8.7	8.7	8.7	8.7	10.9	10.9
137.5°	10.9	10.9	10.9	10.9	10.9	8.7	6.5	8.7	8.7	8.7	10.9
140°	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	8.7	8.7
142.5°	8.7	8.7	8.7	8.7	6.5	6.5	4.3	6.5	6.5	6.5	8.7
145°	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
150°	4.3	4.3	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3
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°	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5	156.5
2.5°	156.5	154.3	154.3	152.1	149.9	149.9	149.9	149.9	147.8	147.8	147.8
5°	160.8	158.6	154.3	149.9	145.6	141.3	141.3	139.1	139.1	136.9	134.7
7.5°	169.5	165.2	156.5	149.9	143.4	136.9	134.7	132.6	130.4	128.2	128.2
10°	186.9	178.2	165.2	152.1	141.3	132.6	128.2	126.0	123.9	121.7	121.7
12.5°	213.0	204.3	182.5	160.8	143.4	132.6	126.0	123.9	121.7	121.7	121.7
15°	256.4	241.2	208.6	178.2	149.9	134.7	128.2	130.4	134.7	134.7	134.7
17.5°	306.4	286.9	239.0	197.8	163.0	145.6	141.3	145.6	149.9	152.1	152.1
20°	365.1	334.7	271.6	217.3	178.2	165.2	160.8	165.2	171.7	176.0	176.0
22.5°	439.0	391.2	306.4	236.9	197.8	184.7	182.5	186.9	195.6	204.3	202.1
25°	523.7	460.7	345.5	258.6	223.8	206.4	208.6	217.3	232.5	241.2	245.6
27.5°	617.2	532.4	384.6	289.0	247.7	230.4	234.7	249.9	273.8	289.0	289.0
30°	717.1	602.0	423.8	319.5	273.8	254.3	262.9	291.2	317.3	336.8	336.8
32.5°	814.9	669.3	454.2	354.2	302.1	278.2	291.2	328.1	362.9	384.6	386.8
35°	891.0	710.6	469.4	380.3	326.0	297.7	315.1	367.3	412.9	436.8	439.0
37.5°	934.5	723.7	471.6	399.9	345.5	315.1	339.0	399.9	449.8	473.7	473.7
40°	927.9	697.6	456.4	410.7	358.6	330.3	360.7	430.3	480.3	497.6	493.3
42.5°	941.0	686.7	445.5	406.4	362.9	339.0	373.8	445.5	486.8	493.3	489.0
45°	956.2	671.5	434.6	402.0	360.7	343.4	380.3	445.5	480.3	478.1	473.7
47.5°	997.5	669.3	428.1	399.9	358.6	341.2	380.3	443.3	469.4	458.5	454.2
50°	1054.0	678.0	423.8	395.5	356.4	336.8	376.0	439.0	462.9	452.0	447.7
52.5°	1106.1	682.4	415.1	391.2	354.2	334.7	373.8	439.0	458.5	436.8	430.3
55°	1173.5	704.1	404.2	382.5	349.9	330.3	371.6	434.6	439.0	412.9	408.6
57.5°	1297.4	745.4	395.5	371.6	343.4	328.1	367.3	419.4	425.9	402.0	395.5
60°	1388.6	775.8	386.8	362.9	332.5	321.6	356.4	410.7	412.9	380.3	373.8
62.5°	1469.0	797.5	371.6	352.0	326.0	315.1	345.5	391.2	384.6	356.4	354.2
65°	1547.3	814.9	360.7	336.8	312.9	302.1	332.5	365.1	367.3	343.4	339.0
67.5°	1532.1	797.5	339.0	319.5	297.7	286.9	308.6	347.7	349.9	332.5	328.1
70°	1440.8	738.9	312.9	299.9	276.0	265.1	284.7	323.8	330.3	317.3	315.1
72.5°	1247.4	638.9	278.2	271.6	252.1	241.2	260.8	293.4	304.2	293.4	289.0
75°	1049.6	538.9	247.7	241.2	228.2	217.3	232.5	262.9	276.0	273.8	273.8
77.5°	841.0	432.5	219.5	215.1	204.3	195.6	208.6	234.7	252.1	254.3	249.9
80°	675.8	352.0	193.4	191.2	184.7	178.2	184.7	206.4	226.0	230.4	228.2
82.5°	543.3	293.4	171.7	171.7	165.2	160.8	165.2	184.7	208.6	217.3	215.1
85°	417.2	241.2	154.3	152.1	147.8	145.6	149.9	163.0	189.1	199.9	199.9
87.5°	304.2	191.2	136.9	132.6	130.4	130.4	132.6	145.6	169.5	178.2	176.0
90°	210.8	147.8	117.3	113.0	110.8	113.0	117.3	128.2	145.6	147.8	147.8
92.5°	143.4	113.0	97.8	93.4	93.4	97.8	102.1	110.8	121.7	119.5	117.3
95°	100.0	84.8	78.2	76.1	76.1	80.4	84.8	93.4	100.0	95.6	93.4
97.5°	73.9	67.4	65.2	63.0	60.8	67.4	69.5	73.9	80.4	78.2	76.1
100°	58.7	56.5	54.3	52.2	50.0	54.3	56.5	60.8	65.2	60.8	60.8
102.5°	47.8	47.8	45.6	43.5	43.5	45.6	47.8	50.0	52.2	50.0	47.8
105°	39.1	39.1	39.1	36.9	36.9	39.1	41.3	41.3	43.5	39.1	39.1
107.5°	32.6	32.6	34.8	32.6	32.6	34.8	34.8	34.8	34.8	32.6	32.6
110°	28.3	28.3	28.3	28.3	28.3	30.4	30.4	30.4	30.4	28.3	26.1

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.9	23.9	23.9	23.9	23.9	26.1	26.1	26.1	26.1	23.9	23.9
115°	19.6	21.7	21.7	21.7	21.7	21.7	23.9	21.7	21.7	21.7	21.7
117.5°	17.4	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6	19.6
120°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	19.6	19.6
122.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	17.4	17.4	17.4
125°	15.2	15.2	15.2	15.2	13.0	13.0	15.2	15.2	15.2	15.2	15.2
127.5°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	15.2
130°	13.0	13.0	13.0	13.0	10.9	10.9	10.9	13.0	13.0	13.0	13.0
132.5°	13.0	13.0	10.9	10.9	10.9	10.9	10.9	10.9	10.9	13.0	13.0
135°	10.9	10.9	10.9	10.9	8.7	8.7	10.9	10.9	10.9	10.9	10.9
137.5°	10.9	10.9	8.7	8.7	8.7	8.7	8.7	8.7	10.9	10.9	10.9
140°	8.7	8.7	8.7	6.5	6.5	6.5	8.7	8.7	8.7	8.7	8.7
142.5°	8.7	6.5	6.5	6.5	4.3	4.3	6.5	8.7	8.7	8.7	8.7
145°	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5	6.5
147.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	2.2	2.2	2.2	4.3	6.5	6.5	4.3	4.3
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)