

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: P695867

Luminaire Tested: **LXF.LXT-PA16-727-U-T4W-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695867
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-T4W-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6256 lumens
Efficiency: N/A
Efficacy: 86.9 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 - G2

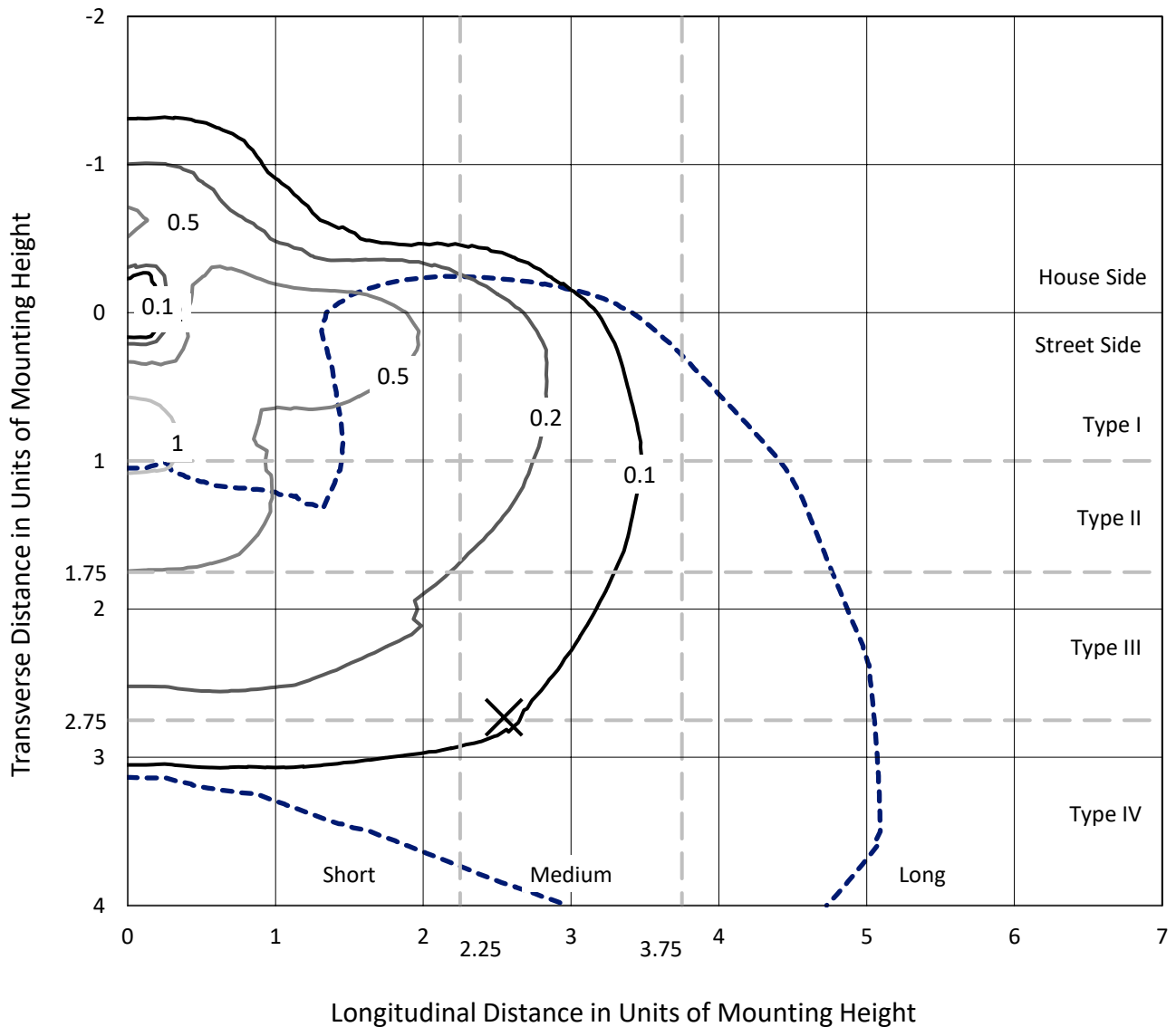
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

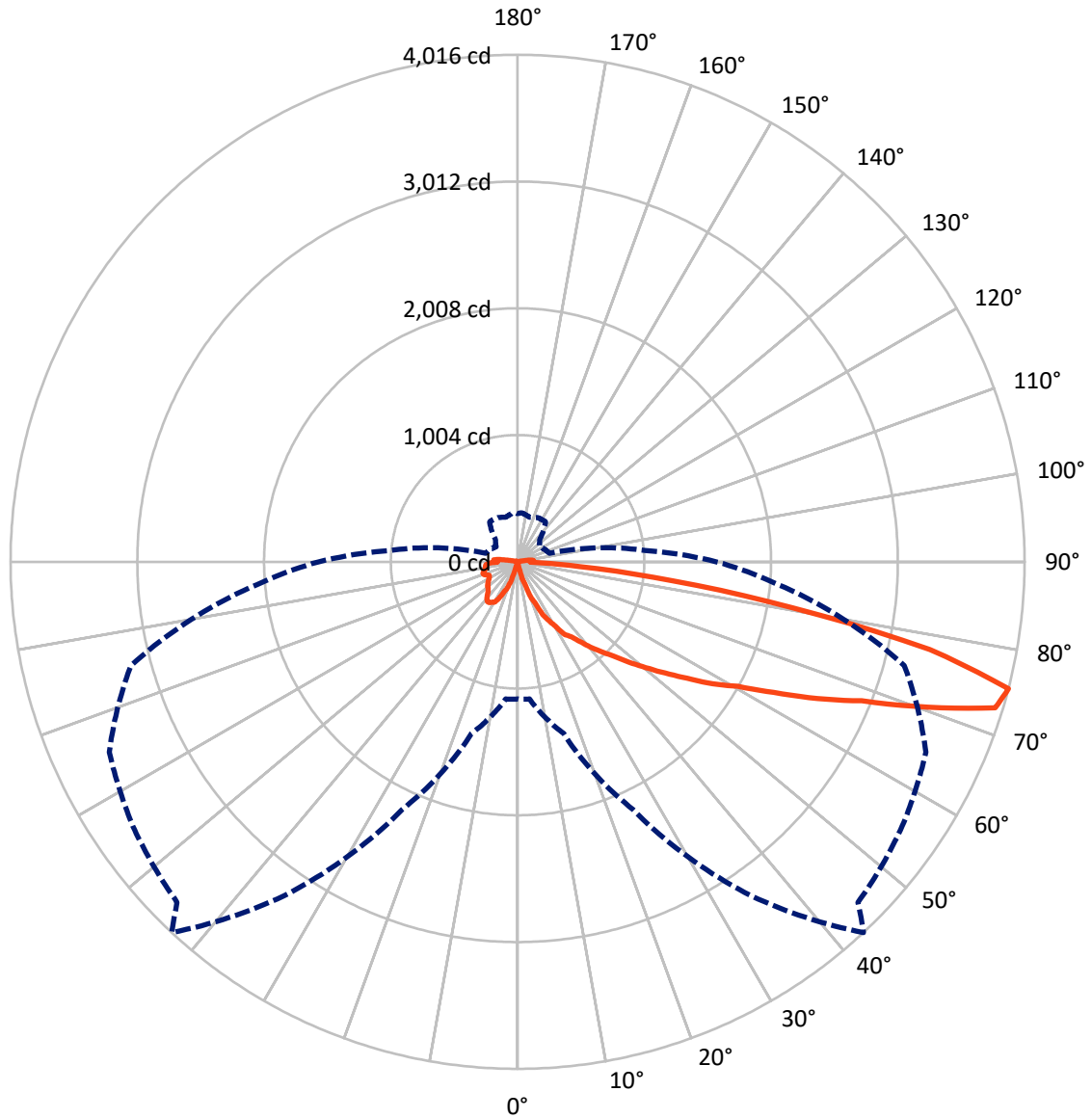
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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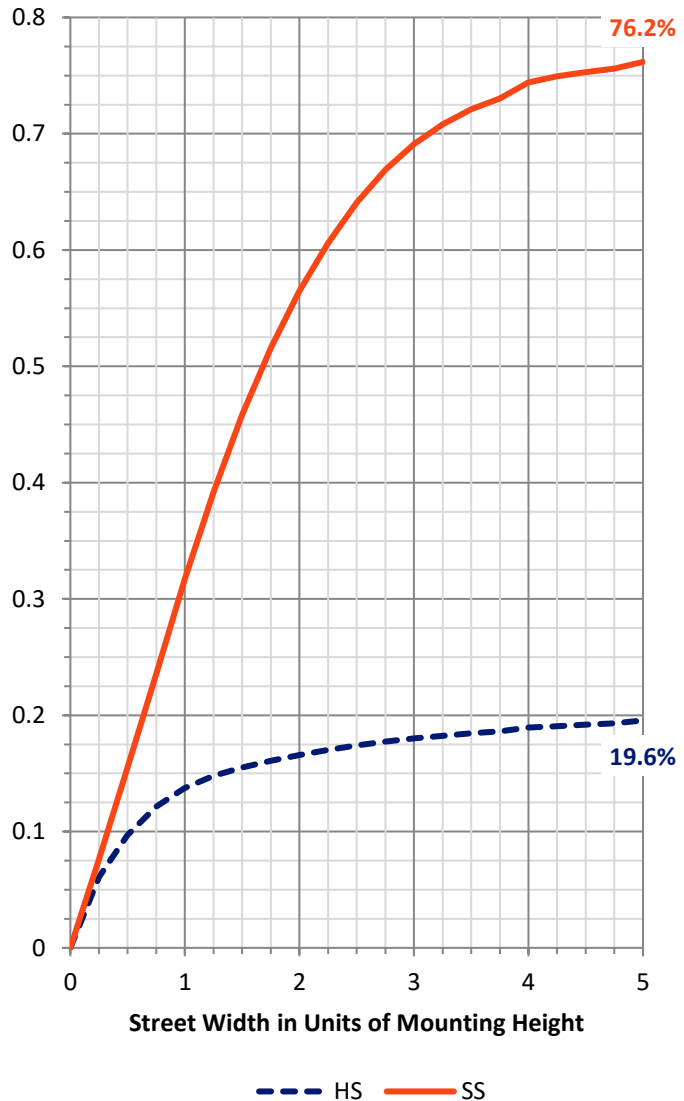
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.5	87.8	1391.2
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	4801.1	63.7	4864.8
	% Fixture	76.7	1.0	77.8
Total	Lumens	6104.6	151.4	6256.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	37.1	0.6
20°-30°	203.3	3.2
30°-40°	475.7	7.6
40°-50°	720.6	11.5
50°-60°	1120.8	17.9
60°-70°	1688.5	27.0
70°-80°	1519.4	24.3
80°-90°	338.6	5.4
90°-100°	116.5	1.9
100°-110°	19.1	0.3
110°-120°	6.1	0.1
120°-130°	4.5	0.1
130°-140°	2.8	0.0
140°-150°	2.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6104.6	97.6
0°-180°	6256.0	100.0

Coefficient of Utilization

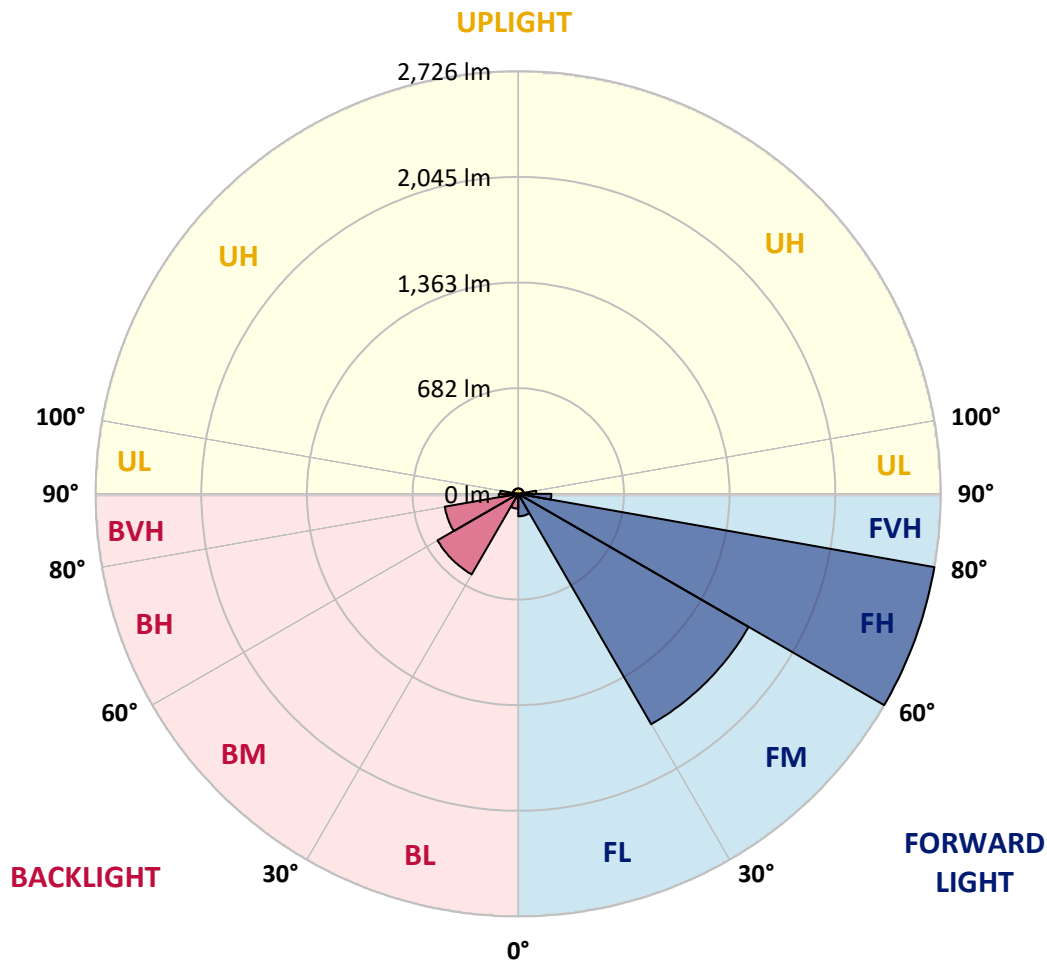


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	145.0	2.3			
FM (30°-60°)	1716.5	27.4			
FH (60°-80°)	2726.4	43.6			G2/5000
FVH (80°-90°)	213.3	3.4			G2/225
BL (0°-30°)	95.9	1.5	B0/110		
BM (30°-60°)	600.7	9.6	B1/1000		
BH (60°-80°)	481.5	7.7	B1/500		G1/500
BVH (80°-90°)	125.3	2.0			G2/225
UL (90°-100°)	116.5	1.9		U3/500	
UH (100°-180°)	34.9	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
7.5°	6.5	6.5	4.3	4.3	6.5	4.3	4.3	4.3	4.3	4.3	4.3
10°	43.5	43.5	39.1	23.9	10.9	6.5	6.5	6.5	4.3	6.5	6.5
12.5°	180.4	180.4	167.3	156.5	47.8	28.3	19.6	10.9	19.6	28.3	36.9
15°	215.1	215.1	206.5	186.9	173.9	136.9	89.1	52.2	141.3	150.0	147.8
17.5°	391.2	336.8	267.3	232.5	195.6	178.2	199.9	163.0	178.2	182.6	180.4
20°	458.5	449.9	430.3	408.6	247.7	302.1	280.3	278.2	217.3	280.3	330.3
22.5°	495.5	495.5	462.9	434.6	441.2	347.7	328.2	315.1	362.9	395.5	393.4
25°	688.9	688.9	660.7	480.3	465.1	462.9	428.1	454.2	456.4	454.2	458.5
27.5°	730.2	723.7	697.6	638.9	517.2	528.1	536.8	506.4	562.9	658.5	652.0
30°	1043.1	1006.2	817.1	686.7	645.4	591.1	571.6	615.0	673.7	697.6	701.9
32.5°	1210.5	1197.4	1110.5	914.9	715.0	688.9	652.0	686.7	699.8	858.4	923.6
35°	1397.4	1373.5	1297.4	1034.5	864.9	725.9	710.6	691.1	828.0	899.7	962.7
37.5°	1538.6	1536.5	1469.1	1177.9	960.6	799.7	749.8	769.3	856.2	943.2	1001.9
40°	1660.3	1651.6	1621.2	1310.4	1041.0	886.7	799.7	815.0	897.5	984.5	1051.8
42.5°	1788.6	1782.0	1784.2	1421.3	1143.1	973.6	869.3	858.4	947.5	1051.8	1127.9
45°	1936.3	1932.0	1925.5	1586.4	1258.3	1062.7	958.4	928.0	1047.5	1136.6	1227.9
47.5°	1999.4	1990.7	2036.3	1727.7	1386.5	1186.6	1056.2	1019.2	1158.3	1262.6	1388.7
50°	2079.8	2071.1	2099.3	1871.1	1538.6	1317.0	1186.6	1130.1	1293.1	1436.5	1599.5
52.5°	2231.9	2310.1	2199.3	2027.6	1749.4	1462.6	1317.0	1273.5	1473.4	1669.0	1945.0
55°	2414.4	2397.1	2338.4	2208.0	1942.9	1627.7	1460.4	1436.5	1714.7	1962.4	2301.4
57.5°	2449.2	2429.7	2477.5	2392.7	2166.7	1823.3	1625.6	1636.4	1958.1	2268.8	2701.3
60°	2529.6	2516.6	2605.7	2651.3	2397.1	2003.7	1797.2	1901.6	2208.0	2581.8	3088.1
62.5°	2614.4	2629.6	2762.2	2829.5	2551.4	2277.5	2032.0	2203.6	2590.5	2920.8	3431.5
65°	2601.3	2623.1	2896.9	2931.7	2740.4	2610.0	2323.2	2547.0	2942.5	3270.7	3681.4
67.5°	2536.1	2557.9	2929.5	3070.8	2999.0	2940.4	2655.7	2918.6	3268.5	3507.6	3759.7
70°	2401.4	2403.6	2770.9	3181.6	3316.3	3448.9	3112.0	3283.7	3588.0	3714.0	3566.2
72.5°	1942.9	1958.1	2303.6	2964.3	3548.9	3955.3	3629.3	3624.9	3759.7	3653.2	2933.8
75°	1086.6	1091.0	1408.2	2166.7	3231.6	4016.1	3814.0	3703.2	3568.4	3170.7	2073.2
77.5°	330.3	369.4	493.3	1101.8	2262.3	3338.1	3283.7	3257.7	2983.8	2236.2	1127.9
80°	167.3	173.9	221.7	380.3	1169.2	2210.2	2258.0	2338.4	1860.3	964.9	523.7
82.5°	95.6	100.0	134.7	202.1	497.7	1234.4	1356.1	1277.9	799.7	454.2	362.9
85°	47.8	47.8	63.0	93.4	232.5	489.0	567.2	458.5	345.5	299.9	293.4
87.5°	26.1	26.1	21.7	28.3	71.7	108.7	126.0	171.7	184.7	189.1	249.9
90°	28.3	28.3	21.7	23.9	52.2	97.8	139.1	167.3	171.7	180.4	254.3
92.5°	28.3	28.3	21.7	21.7	47.8	115.2	158.6	182.6	178.2	193.4	260.8
95°	28.3	26.1	19.6	21.7	41.3	123.9	150.0	193.4	171.7	173.9	217.3
97.5°	17.4	17.4	13.0	17.4	30.4	95.6	104.3	139.1	117.4	78.2	102.1
100°	13.0	13.0	8.7	13.0	17.4	45.6	43.5	67.4	52.2	17.4	26.1
102.5°	13.0	15.2	8.7	8.7	10.9	13.0	15.2	21.7	21.7	13.0	17.4
105°	15.2	15.2	6.5	6.5	6.5	6.5	8.7	8.7	8.7	10.9	17.4
107.5°	13.0	13.0	6.5	4.3	4.3	6.5	6.5	4.3	6.5	8.7	19.6
110°	8.7	8.7	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.7	15.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	4.3	6.5	2.2	4.3	2.2	4.3	4.3	4.3	4.3	6.5	8.7
115°	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3	4.3	6.5	8.7
117.5°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	10.9
120°	6.5	6.5	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	8.7
122.5°	6.5	6.5	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	8.7
125°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	6.5	8.7
127.5°	6.5	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5	8.7
130°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	8.7
132.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	6.5
135°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
142.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
145°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
147.5°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3
150°	4.3	4.3	4.3	2.2	2.2	2.2	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°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
2.5°	4.3	4.3	4.3	2.2	2.2	2.2	4.3	4.3	4.3	4.3	4.3
5°	4.3	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3	4.3
7.5°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	4.3	4.3	4.3
10°	6.5	6.5	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3
12.5°	39.1	36.9	26.1	15.2	6.5	4.3	4.3	4.3	6.5	8.7	8.7
15°	150.0	145.6	141.3	128.2	36.9	8.7	6.5	19.6	76.1	106.5	123.9
17.5°	176.0	173.9	169.5	160.8	147.8	50.0	65.2	139.1	165.2	169.5	173.9
20°	323.8	317.3	245.6	184.7	169.5	178.2	156.5	173.9	182.6	189.1	195.6
22.5°	384.7	378.1	358.6	328.2	202.1	234.7	226.0	199.9	304.3	328.2	332.5
25°	449.9	439.0	397.7	365.1	336.8	260.8	280.3	317.3	343.4	360.8	360.8
27.5°	641.1	619.4	567.2	402.0	373.8	319.5	343.4	336.8	380.3	467.2	473.8
30°	693.3	669.4	595.5	497.7	397.7	369.4	354.2	434.6	491.1	510.7	517.2
32.5°	923.6	901.9	771.5	512.9	436.8	369.4	410.7	452.0	491.1	582.4	591.1
35°	969.3	934.5	799.7	591.1	434.6	386.8	412.9	460.7	569.4	610.7	619.4
37.5°	1014.9	980.1	797.6	567.2	462.9	393.4	404.2	471.6	530.3	558.5	565.0
40°	1077.9	1025.8	782.4	528.1	441.2	378.1	399.9	443.3	478.1	486.8	493.3
42.5°	1160.5	1088.8	765.0	489.0	408.6	354.2	373.8	406.4	428.1	415.1	415.1
45°	1275.7	1164.8	732.4	449.9	378.1	328.2	352.1	376.0	386.8	362.9	356.4
47.5°	1419.1	1256.1	697.6	412.9	358.6	312.9	339.0	358.6	358.6	326.0	321.6
50°	1593.0	1369.1	652.0	382.5	336.8	304.3	326.0	343.4	332.5	299.9	297.7
52.5°	1858.1	1540.8	608.5	356.4	317.3	295.6	323.8	321.6	306.4	278.2	276.0
55°	2186.3	1764.7	569.4	336.8	304.3	280.3	317.3	308.6	291.2	265.1	265.1
57.5°	2512.2	2010.2	528.1	323.8	289.0	267.3	306.4	302.1	282.5	256.4	254.3
60°	2831.7	2236.2	467.2	312.9	269.5	254.3	293.4	304.3	278.2	252.1	252.1
62.5°	3090.3	2344.9	399.9	295.6	249.9	245.6	286.9	312.9	299.9	289.0	289.0
65°	3175.1	2279.7	347.7	282.5	236.9	239.1	289.0	345.5	349.9	362.9	365.1
67.5°	3116.4	2095.0	312.9	271.7	228.2	249.9	330.3	389.0	378.1	386.8	391.2
70°	2862.1	1823.3	293.4	258.6	228.2	267.3	362.9	389.0	373.8	399.9	402.0
72.5°	2323.2	1475.6	276.0	247.7	219.5	265.1	382.5	384.7	373.8	404.2	399.9
75°	1575.6	1017.1	260.8	234.7	208.6	245.6	386.8	384.7	365.1	389.0	382.5
77.5°	795.4	517.2	241.2	219.5	193.4	234.7	382.5	386.8	360.8	380.3	373.8
80°	404.2	332.5	215.1	202.1	176.0	230.4	373.8	382.5	345.5	362.9	360.8
82.5°	310.8	260.8	180.4	176.0	160.8	226.0	360.8	369.4	328.2	341.2	332.5
85°	254.3	206.5	132.6	136.9	145.6	228.2	358.6	365.1	317.3	310.8	306.4
87.5°	215.1	158.6	65.2	69.5	106.5	204.3	306.4	302.1	247.7	245.6	249.9
90°	215.1	145.6	43.5	43.5	86.9	145.6	202.1	182.6	171.7	182.6	180.4
92.5°	213.0	132.6	45.6	45.6	97.8	160.8	228.2	189.1	176.0	180.4	178.2
95°	176.0	108.7	52.2	50.0	84.8	178.2	236.9	193.4	180.4	173.9	173.9
97.5°	89.1	60.9	50.0	50.0	67.4	145.6	189.1	152.1	115.2	95.6	102.1
100°	21.7	23.9	47.8	47.8	41.3	73.9	104.3	93.4	47.8	23.9	21.7
102.5°	17.4	15.2	36.9	41.3	26.1	26.1	47.8	54.3	36.9	10.9	10.9
105°	17.4	15.2	17.4	21.7	13.0	10.9	17.4	30.4	17.4	10.9	10.9
107.5°	19.6	17.4	8.7	8.7	8.7	8.7	8.7	10.9	8.7	10.9	10.9
110°	17.4	15.2	8.7	8.7	6.5	8.7	6.5	8.7	8.7	10.9	10.9

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 CATALOG NUMBER: LXF.LXT-PA16-727-U-T4W-CL

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)