

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: P695852

Luminaire Tested: **LXF.LXT-PA16-727-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6118.9 lumens
Efficiency: N/A
Efficacy: 85.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

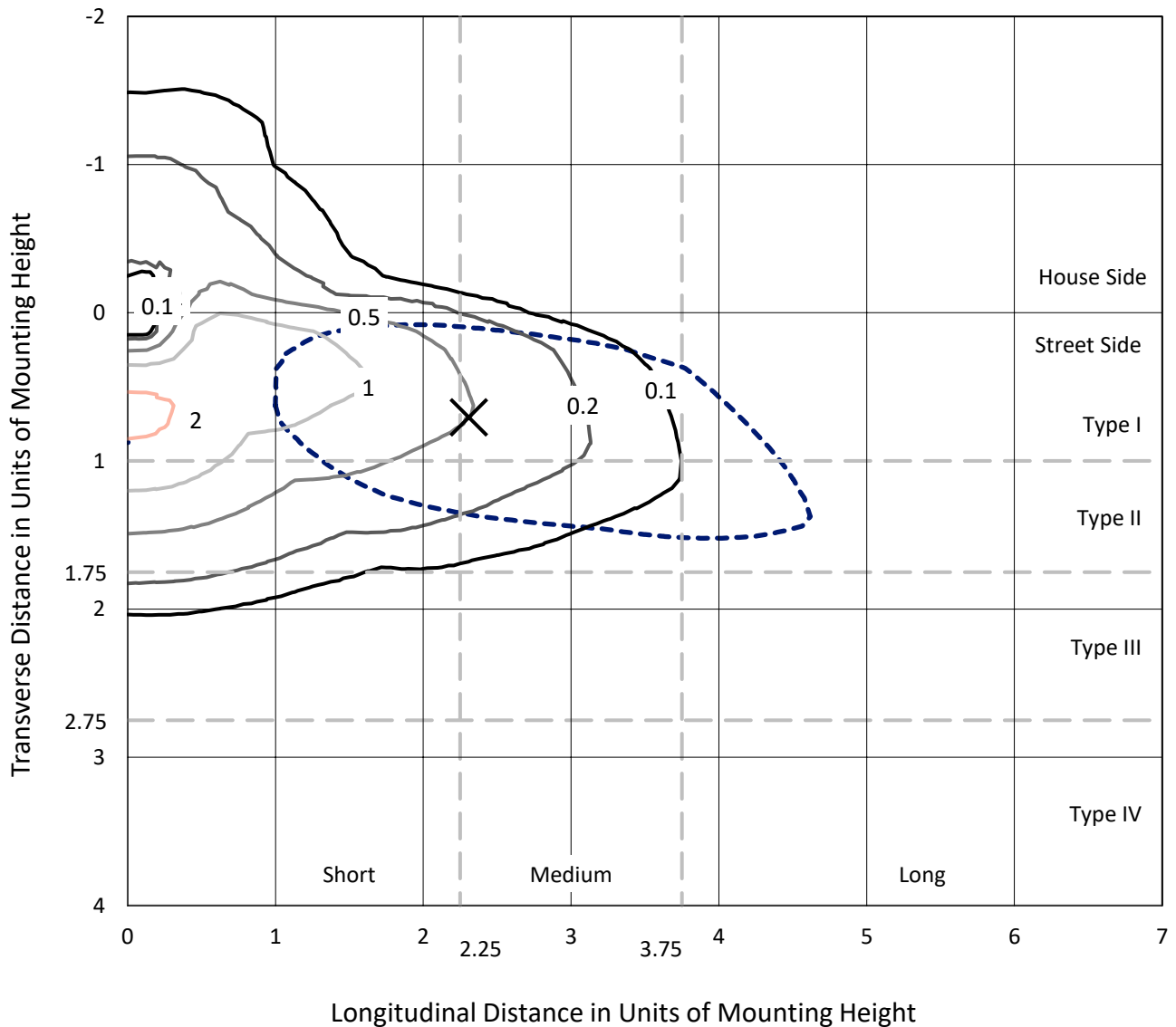
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

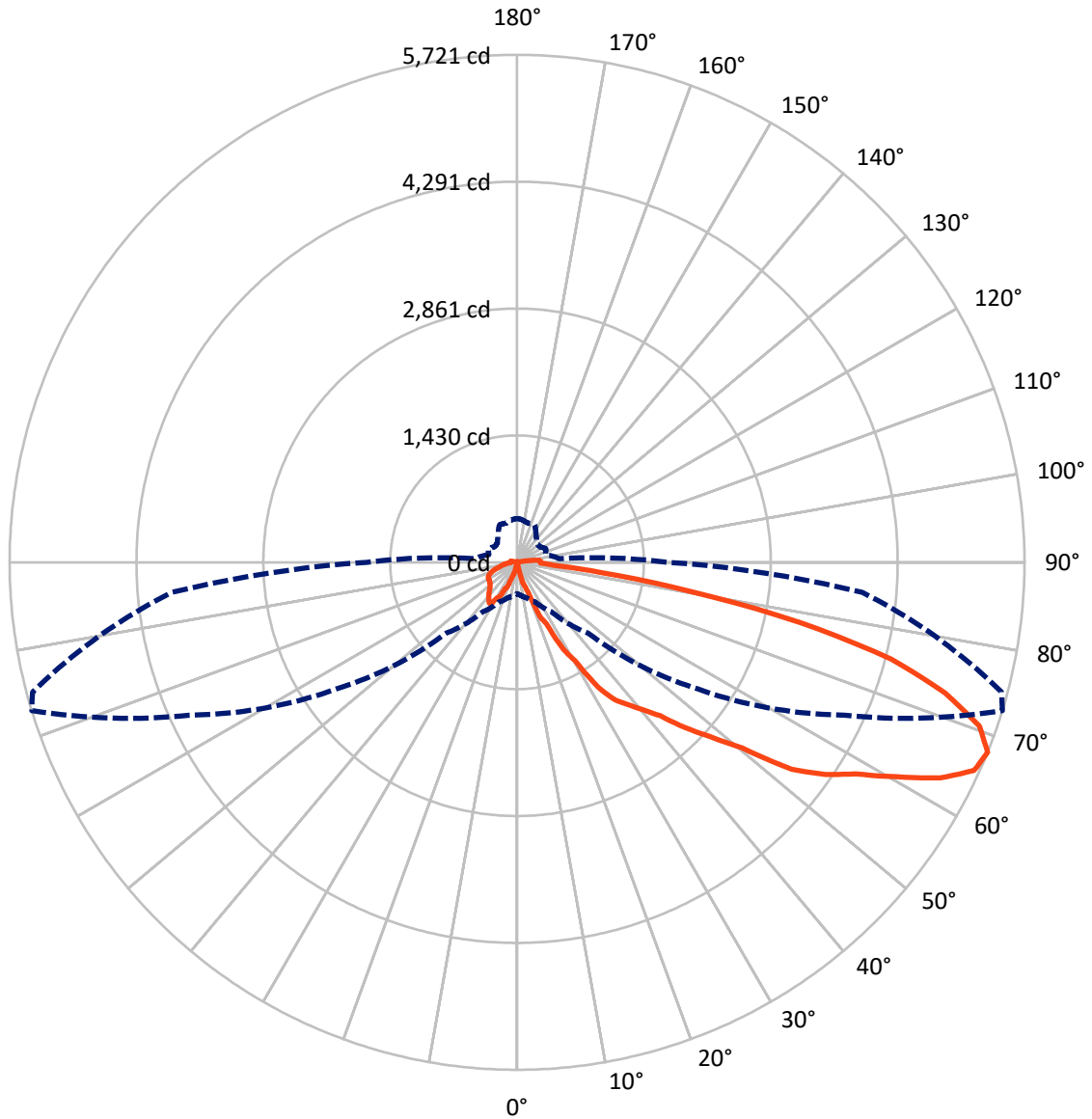
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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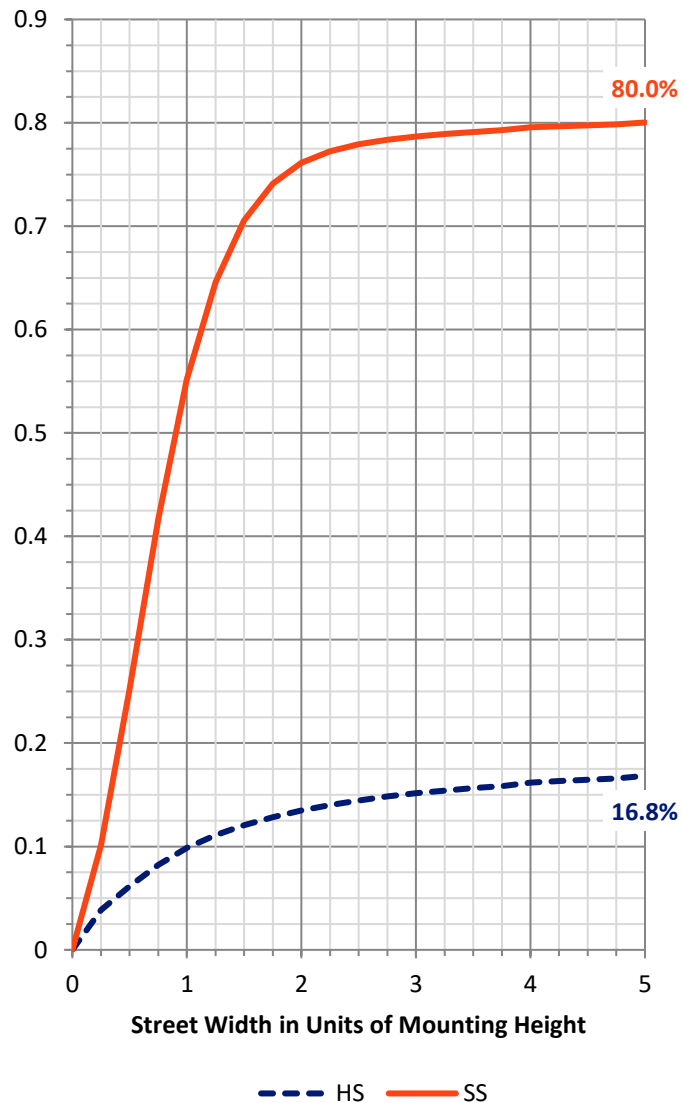
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1081.7	46.0	1127.7
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	4934.7	56.6	4991.2
	% Fixture	80.6	0.9	81.6
Total	Lumens	6016.4	102.5	6118.9
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	49.5	0.8
20°-30°	306.3	5.0
30°-40°	770.5	12.6
40°-50°	1112.6	18.2
50°-60°	1360.7	22.2
60°-70°	1341.5	21.9
70°-80°	844.0	13.8
80°-90°	230.7	3.8
90°-100°	67.1	1.1
100°-110°	14.4	0.2
110°-120°	7.3	0.1
120°-130°	6.1	0.1
130°-140°	4.3	0.1
140°-150°	3.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6016.4	98.3
0°-180°	6118.9	100.0

Coefficient of Utilization

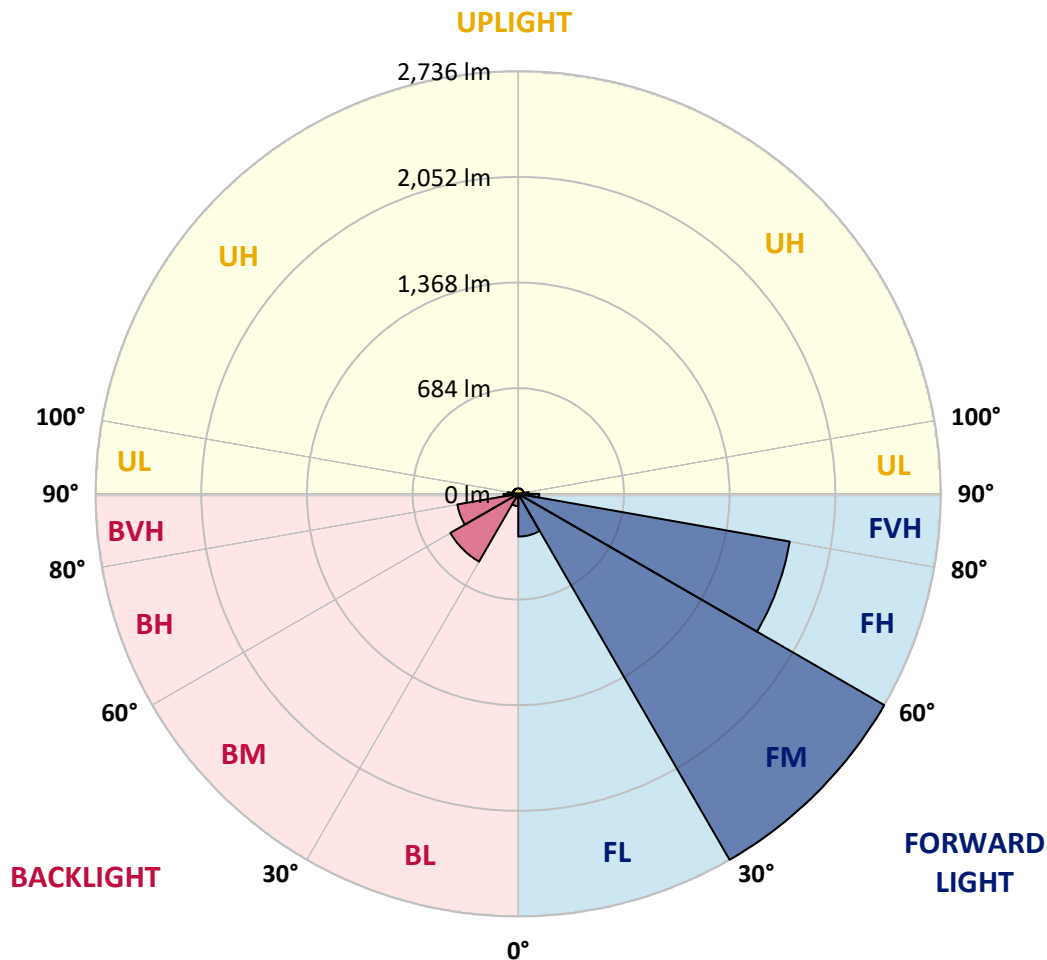


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.9	4.5			
FM (30°-60°)	2736.4	44.7			
FH (60°-80°)	1785.4	29.2			G1/1800
FVH (80°-90°)	135.9	2.2			G2/225
BL (0°-30°)	79.4	1.3	B0/110		
BM (30°-60°)	507.4	8.3	B1/1000		
BH (60°-80°)	400.1	6.5	B1/500		G1/500
BVH (80°-90°)	94.8	1.5			G1/100
UL (90°-100°)	67.1	1.1		U3/500	
UH (100°-180°)	35.4	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	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°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3
5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3
7.5°	8.7	10.9	8.7	8.7	8.7	8.7	8.7	6.5	4.3	4.3	4.3
10°	36.9	34.8	23.9	21.7	13.0	10.9	8.7	6.5	6.5	6.5	6.5
12.5°	291.2	289.0	282.5	254.2	43.5	21.7	13.0	17.4	23.9	28.2	32.6
15°	334.6	339.0	332.4	325.9	315.1	104.3	45.6	252.1	234.7	226.0	173.8
17.5°	604.1	452.0	397.6	388.9	365.0	306.4	278.1	308.5	280.3	271.6	210.8
20°	830.0	825.7	810.5	782.2	438.9	558.4	534.5	362.9	367.2	388.9	415.0
22.5°	927.8	923.5	903.9	873.5	912.6	643.2	606.2	673.6	667.1	647.5	501.9
25°	1521.0	1501.5	1395.0	1016.9	1019.1	897.4	930.0	867.0	764.8	745.3	584.5
27.5°	1649.2	1660.1	1634.0	1484.1	1166.8	1195.1	1021.2	997.3	1112.5	1145.1	884.4
30°	2205.5	2257.6	2007.7	1692.7	1529.7	1305.9	1251.6	1368.9	1286.3	1249.4	966.9
32.5°	2577.0	2553.1	2505.3	2112.0	1736.1	1564.5	1562.3	1510.1	1684.0	1679.6	1358.0
35°	2724.8	2705.2	2657.4	2314.1	1996.9	1836.1	1699.2	1877.4	1905.6	1833.9	1449.3
37.5°	2835.6	2813.9	2757.4	2388.0	2205.5	1946.9	2003.4	2012.1	2038.1	2022.9	1529.7
40°	2842.1	2829.1	2790.0	2492.3	2320.6	2033.8	2170.7	2190.3	2183.7	2222.8	1631.8
42.5°	2818.2	2792.1	2768.2	2511.8	2381.5	2101.2	2298.9	2411.9	2364.1	2420.6	1751.3
45°	2724.8	2694.4	2683.5	2511.8	2372.8	2146.8	2448.8	2620.5	2657.4	2607.4	1881.7
47.5°	2566.2	2559.6	2564.0	2453.2	2364.1	2198.9	2592.2	2779.1	2939.9	2861.7	2072.9
50°	2405.4	2416.2	2446.6	2385.8	2338.0	2229.4	2774.8	3052.9	3289.7	3183.3	2359.7
52.5°	2151.1	2166.3	2253.3	2277.2	2264.1	2227.2	2916.0	3422.3	3876.4	3728.6	2657.4
55°	1918.6	1927.3	1986.0	2072.9	2122.9	2181.6	2972.5	3585.2	4221.9	4054.6	2850.8
57.5°	1653.6	1636.2	1712.2	1838.2	1951.2	2118.5	3031.1	3713.4	4500.0	4408.7	3102.9
60°	1338.5	1301.5	1412.4	1529.7	1701.4	1988.2	3068.1	3935.1	4908.5	4856.4	3470.1
62.5°	901.7	919.1	1029.9	1188.6	1427.6	1768.7	3026.8	4137.1	5351.8	5321.4	3776.4
65°	567.1	591.0	662.7	799.6	1043.0	1488.4	2853.0	4232.7	5660.3	5608.2	3952.4
67.5°	354.2	369.4	415.0	497.6	684.5	1127.7	2492.3	4078.5	5721.2	5653.8	3909.0
70°	293.3	297.7	304.2	323.8	421.5	780.1	1981.7	3678.7	5527.8	5538.6	3728.6
72.5°	262.9	267.3	267.3	265.1	271.6	488.9	1412.4	3120.2	5045.4	5045.4	3370.1
75°	241.2	243.4	236.8	234.7	230.3	304.2	862.6	2472.7	4356.6	4274.0	2816.0
77.5°	212.9	217.3	210.8	210.8	208.6	232.5	499.8	1886.0	3263.6	3124.6	1899.1
80°	182.5	182.5	182.5	182.5	184.7	184.7	312.9	1295.0	1966.4	1812.2	1025.6
82.5°	145.6	143.4	147.8	156.4	152.1	141.2	241.2	754.0	953.9	864.8	506.3
85°	56.5	69.5	80.4	97.8	102.1	97.8	184.7	371.6	406.3	434.6	312.9
87.5°	32.6	32.6	26.1	26.1	28.2	39.1	115.2	223.8	262.9	295.5	276.0
90°	34.8	34.8	26.1	23.9	23.9	32.6	100.0	204.2	267.3	297.7	280.3
92.5°	36.9	36.9	26.1	23.9	23.9	26.1	82.6	182.5	265.1	304.2	273.8
95°	32.6	34.8	23.9	21.7	23.9	23.9	60.8	145.6	245.5	249.9	256.4
97.5°	21.7	23.9	15.2	17.4	21.7	19.6	32.6	84.7	130.4	100.0	119.5
100°	13.0	15.2	10.9	13.0	15.2	15.2	17.4	36.9	32.6	21.7	21.7
102.5°	13.0	13.0	8.7	10.9	10.9	8.7	8.7	15.2	13.0	13.0	21.7
105°	13.0	13.0	8.7	8.7	6.5	6.5	6.5	10.9	10.9	13.0	21.7
107.5°	8.7	10.9	6.5	6.5	6.5	6.5	4.3	6.5	10.9	10.9	23.9
110°	6.5	6.5	4.3	4.3	4.3	6.5	4.3	6.5	8.7	10.9	17.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	4.3	6.5	4.3	4.3	4.3	4.3	4.3	6.5	8.7	8.7	10.9
115°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	8.7	13.0
117.5°	6.5	6.5	4.3	4.3	2.2	4.3	4.3	4.3	6.5	8.7	13.0
120°	6.5	6.5	4.3	4.3	2.2	2.2	4.3	4.3	8.7	8.7	13.0
122.5°	6.5	6.5	4.3	2.2	2.2	2.2	4.3	4.3	6.5	8.7	13.0
125°	6.5	6.5	4.3	2.2	2.2	2.2	4.3	4.3	6.5	8.7	10.9
127.5°	6.5	6.5	4.3	2.2	2.2	2.2	4.3	4.3	6.5	6.5	10.9
130°	6.5	6.5	4.3	2.2	2.2	2.2	4.3	4.3	6.5	6.5	10.9
132.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.7
135°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5
137.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
140°	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
142.5°	6.5	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3
145°	8.7	8.7	8.7	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	8.7	8.7	8.7	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3
150°	8.7	10.9	8.7	6.5	4.3	4.3	4.3	4.3	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	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
5°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3
7.5°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	4.3	4.3	4.3	4.3
10°	6.5	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	4.3	2.2
12.5°	32.6	32.6	23.9	10.9	4.3	2.2	2.2	2.2	6.5	6.5	6.5
15°	158.6	143.4	128.2	113.0	30.4	4.3	4.3	19.6	73.9	104.3	108.6
17.5°	184.7	167.3	149.9	136.9	121.7	45.6	50.0	130.4	134.7	136.9	134.7
20°	356.4	317.2	206.4	156.4	134.7	141.2	123.9	139.1	149.9	154.3	154.3
22.5°	423.7	365.0	312.9	273.8	160.8	193.4	180.3	160.8	249.9	256.4	258.6
25°	491.1	415.0	336.8	291.2	280.3	199.9	212.9	245.5	265.1	269.4	267.3
27.5°	717.0	591.0	471.5	315.1	297.7	249.9	267.3	258.6	282.5	345.5	352.0
30°	771.4	614.9	480.2	382.4	312.9	293.3	276.0	336.8	365.0	365.0	367.2
32.5°	1069.1	821.3	591.0	382.4	345.5	295.5	330.3	352.0	369.4	395.5	386.8
35°	1119.0	830.0	584.5	443.3	345.5	310.7	341.1	362.9	443.3	452.0	449.8
37.5°	1160.3	821.3	551.9	430.2	373.7	330.3	347.7	415.0	447.6	445.4	441.1
40°	1205.9	808.3	519.3	421.5	371.6	332.4	371.6	417.2	436.7	425.9	415.0
42.5°	1258.1	788.8	491.1	402.0	362.9	334.6	373.7	406.3	404.2	397.6	391.1
45°	1325.4	767.0	458.5	384.6	358.5	330.3	367.2	378.1	393.3	388.9	384.6
47.5°	1425.4	745.3	430.2	369.4	354.2	323.8	371.6	384.6	397.6	386.8	384.6
50°	1573.2	714.9	406.3	365.0	352.0	343.3	341.1	395.5	406.3	380.3	375.9
52.5°	1673.1	680.1	393.3	360.7	345.5	334.6	362.9	391.1	402.0	371.6	369.4
55°	1740.5	630.1	382.4	360.7	341.1	315.1	393.3	399.8	399.8	365.0	360.7
57.5°	1814.3	595.4	375.9	367.2	339.0	293.3	410.7	408.5	399.8	354.2	356.4
60°	1920.8	573.6	369.4	373.7	339.0	299.9	404.2	428.1	399.8	360.7	373.7
62.5°	1981.7	551.9	365.0	375.9	334.6	299.9	391.1	456.3	432.4	404.2	406.3
65°	1896.9	523.7	352.0	373.7	328.1	306.4	378.1	467.2	462.8	449.8	452.0
67.5°	1703.5	475.9	328.1	358.5	306.4	310.7	371.6	467.2	458.5	486.7	493.2
70°	1488.4	419.4	293.3	332.4	291.2	306.4	386.8	452.0	452.0	504.1	515.0
72.5°	1260.3	343.3	254.2	304.2	291.2	297.7	404.2	434.6	434.6	504.1	501.9
75°	1034.3	273.8	212.9	260.7	269.4	297.7	402.0	415.0	404.2	460.6	449.8
77.5°	756.2	217.3	182.5	219.5	243.4	297.7	388.9	386.8	369.4	395.5	391.1
80°	465.0	171.7	154.3	186.9	204.2	284.6	367.2	352.0	321.6	334.6	330.3
82.5°	269.4	128.2	130.4	158.6	163.0	260.7	332.4	306.4	273.8	280.3	273.8
85°	173.8	82.6	102.1	121.7	128.2	212.9	284.6	258.6	221.6	286.8	273.8
87.5°	134.7	47.8	69.5	80.4	78.2	93.4	163.0	154.3	152.1	123.9	119.5
90°	126.0	41.3	69.5	69.5	56.5	45.6	63.0	65.2	54.3	58.7	52.1
92.5°	113.0	41.3	73.9	69.5	50.0	36.9	52.1	52.1	41.3	39.1	36.9
95°	93.4	36.9	78.2	71.7	45.6	32.6	43.5	41.3	32.6	30.4	28.2
97.5°	50.0	23.9	73.9	65.2	41.3	30.4	39.1	34.8	23.9	21.7	19.6
100°	17.4	15.2	71.7	56.5	34.8	23.9	28.2	26.1	15.2	13.0	10.9
102.5°	15.2	13.0	41.3	41.3	21.7	13.0	17.4	17.4	13.0	10.9	10.9
105°	17.4	13.0	15.2	21.7	10.9	6.5	8.7	10.9	10.9	13.0	13.0
107.5°	17.4	13.0	10.9	10.9	8.7	6.5	6.5	6.5	10.9	13.0	13.0
110°	15.2	13.0	8.7	10.9	8.7	6.5	6.5	6.5	10.9	15.2	15.2

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 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-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	10.9	15.2	17.4
115°	10.9	10.9	6.5	6.5	6.5	6.5	4.3	6.5	10.9	17.4	19.6
117.5°	13.0	10.9	6.5	6.5	4.3	4.3	4.3	6.5	13.0	19.6	21.7
120°	13.0	10.9	6.5	6.5	4.3	4.3	4.3	6.5	13.0	21.7	21.7
122.5°	13.0	10.9	6.5	6.5	4.3	4.3	4.3	6.5	13.0	21.7	21.7
125°	10.9	10.9	6.5	6.5	4.3	4.3	4.3	6.5	13.0	21.7	21.7
127.5°	10.9	8.7	6.5	4.3	4.3	4.3	4.3	6.5	13.0	19.6	21.7
130°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	6.5	13.0	19.6	19.6
132.5°	8.7	8.7	6.5	4.3	4.3	4.3	4.3	6.5	10.9	17.4	17.4
135°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	6.5	8.7	13.0	13.0
137.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	8.7	8.7
140°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5	6.5
142.5°	4.3	4.3	4.3	4.3	4.3	2.2	4.3	4.3	6.5	6.5	6.5
145°	4.3	4.3	4.3	4.3	2.2	2.2	4.3	4.3	6.5	6.5	4.3
147.5°	4.3	4.3	4.3	4.3	2.2	2.2	2.2	4.3	6.5	6.5	4.3
150°	4.3	4.3	4.3	2.2	2.2	2.2	2.2	4.3	6.5	6.5	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)