

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: P695047

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2U-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695047
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T2U-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4060.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Short
BUG Rating: B2 - U2 - G2

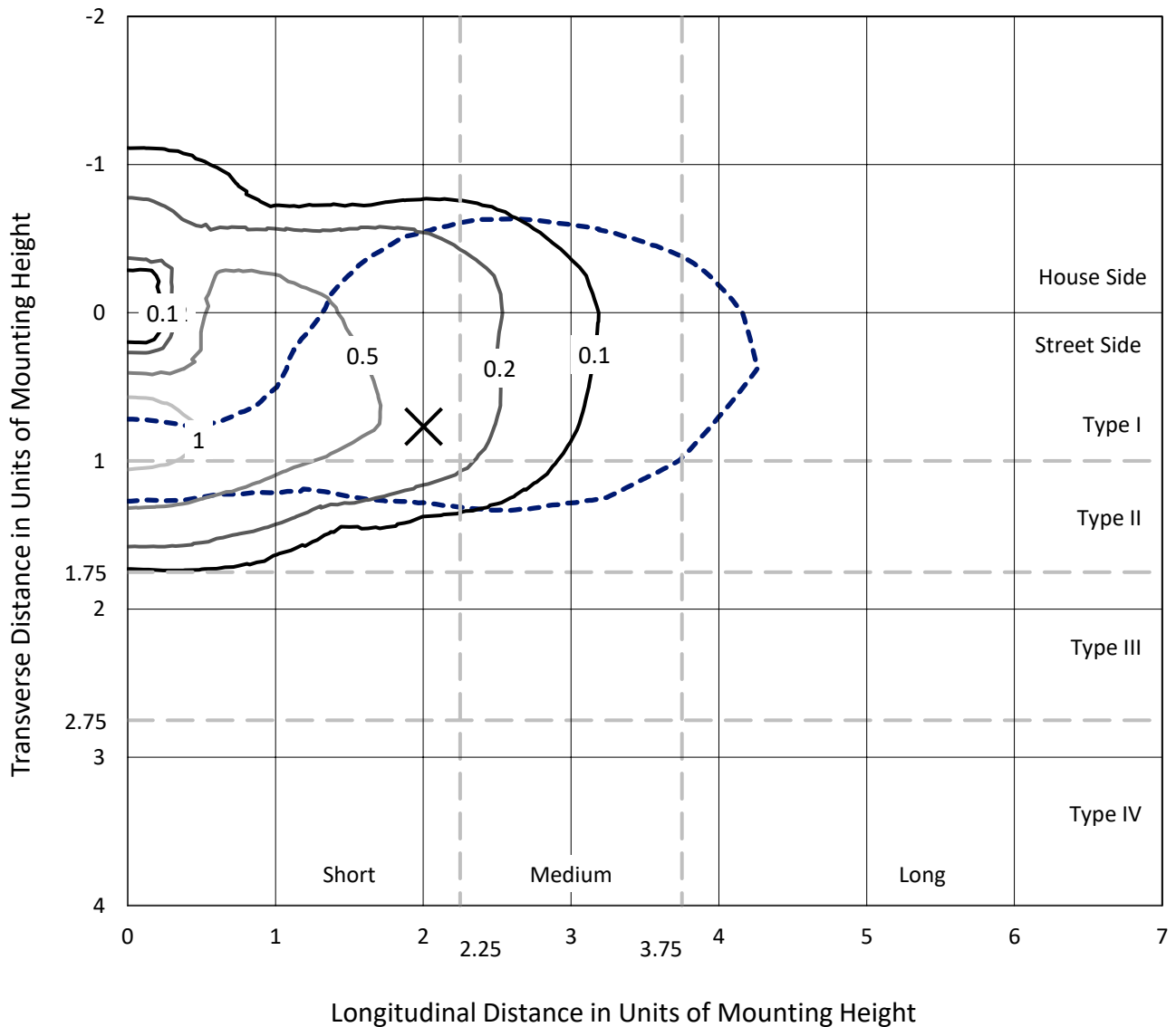
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

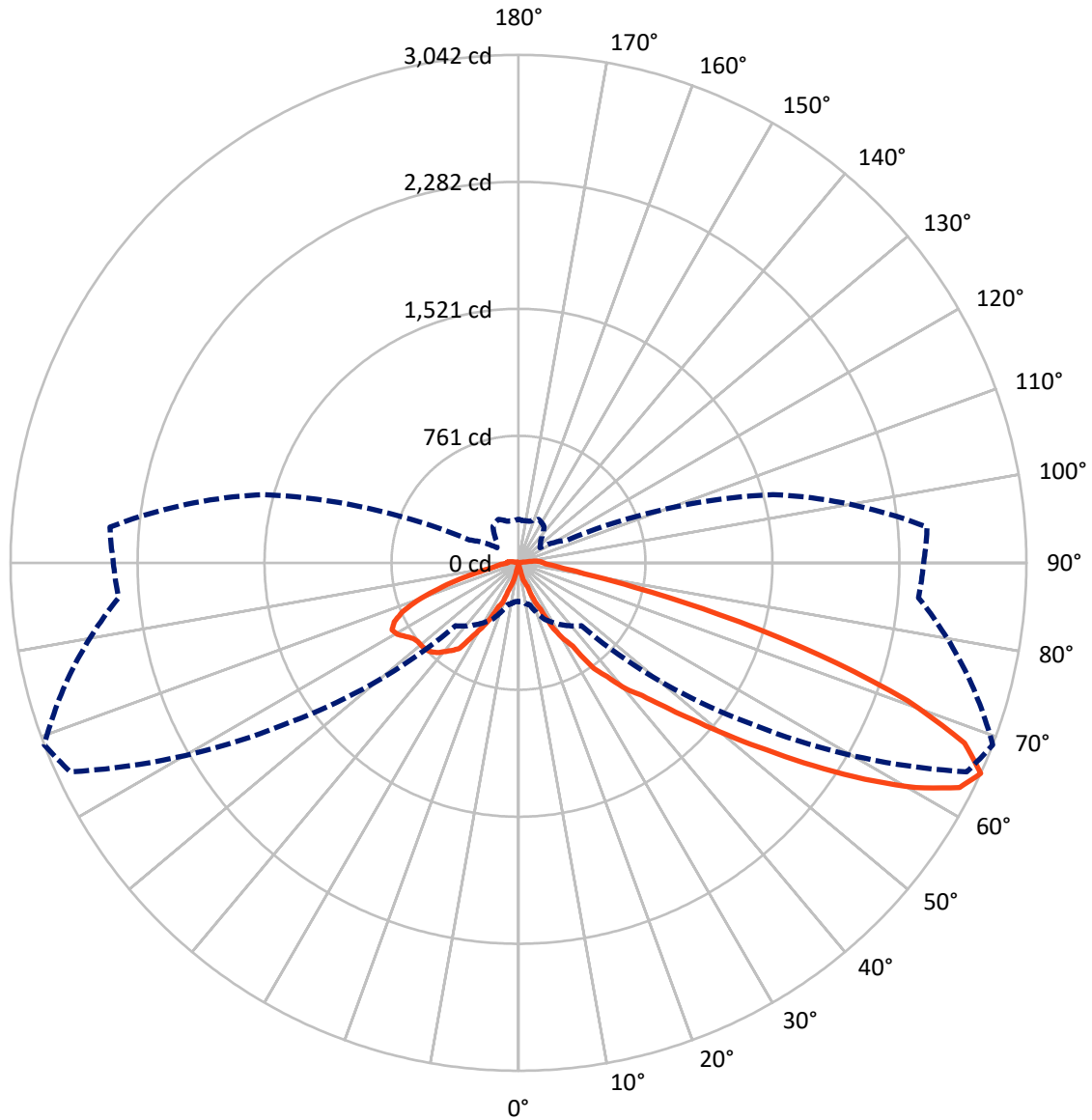
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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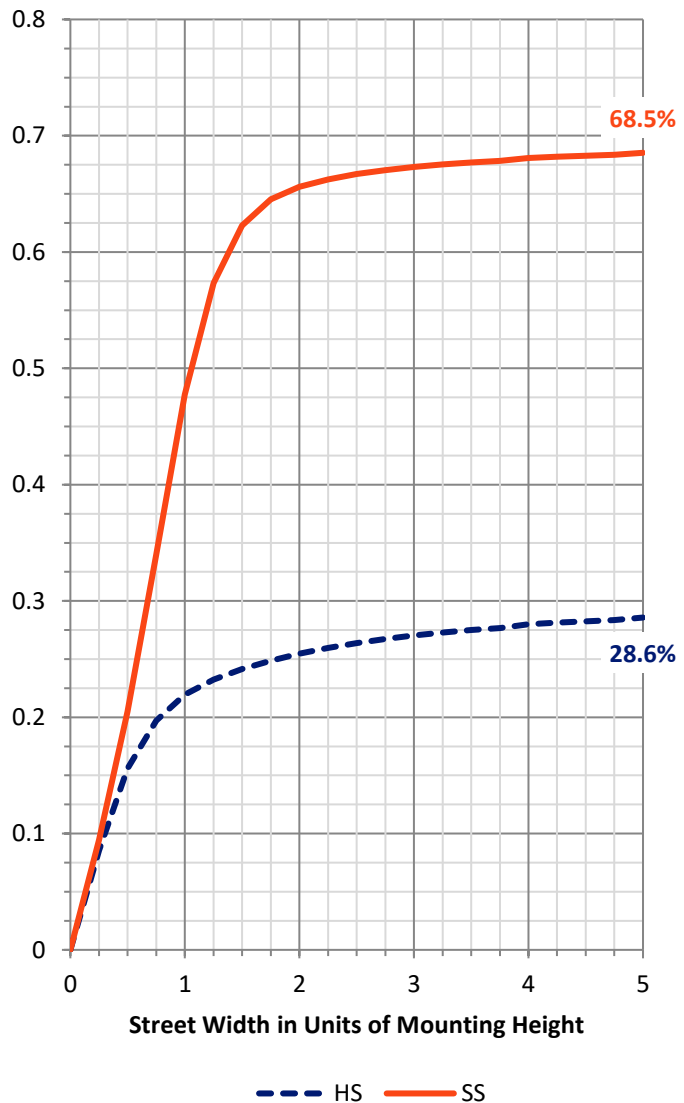
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1190.5	34.8	1225.3
	% Fixture	29.3	0.9	30.2
Street Side	Lumens	2805.4	30.2	2835.6
	% Fixture	69.1	0.7	69.8
Total	Lumens	3996.0	65.0	4060.9
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	24.5	0.6
20°-30°	156.4	3.9
30°-40°	429.1	10.6
40°-50°	765.1	18.8
50°-60°	993.1	24.5
60°-70°	949.6	23.4
70°-80°	547.3	13.5
80°-90°	130.5	3.2
90°-100°	46.1	1.1
100°-110°	8.3	0.2
110°-120°	4.0	0.1
120°-130°	3.2	0.1
130°-140°	1.9	0.0
140°-150°	1.3	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3996.0	98.4
0°-180°	4060.9	100.0

Coefficient of Utilization

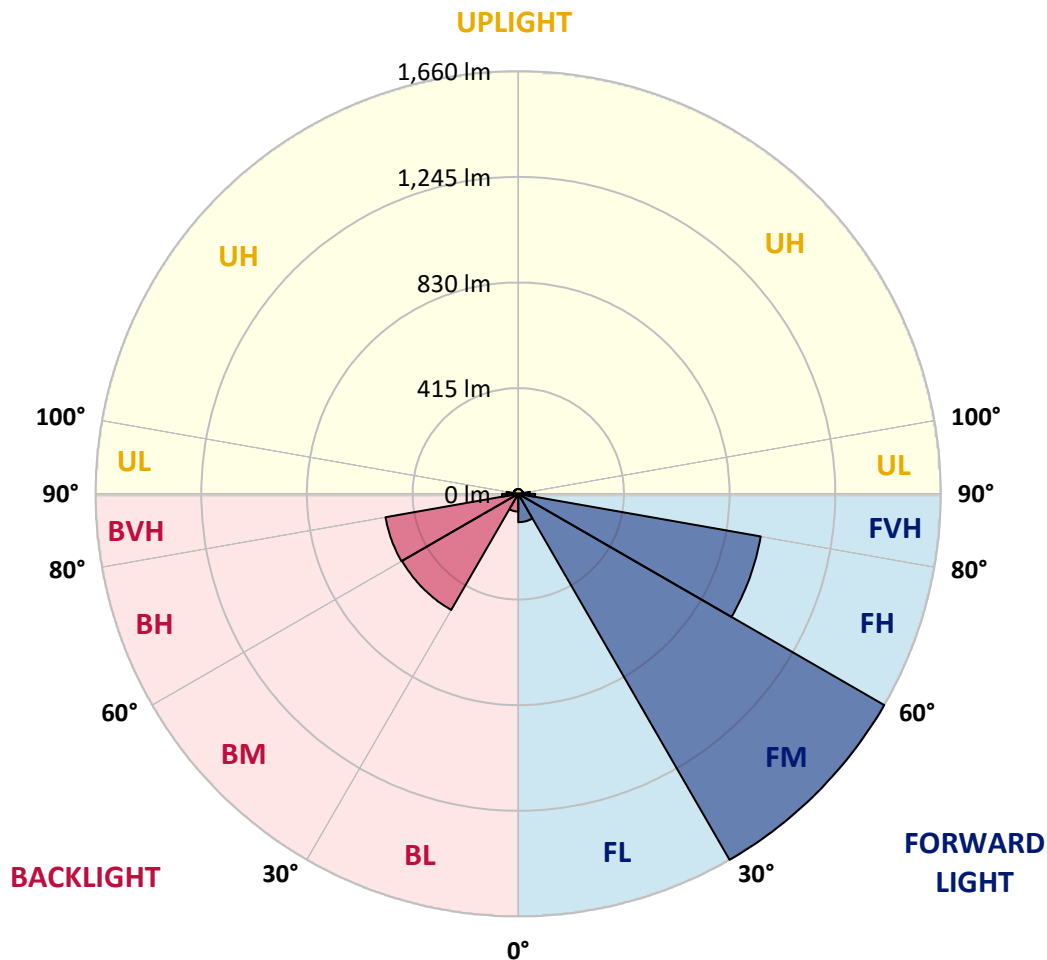


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.5	2.7			
FM (30°-60°)	1660.3	40.9			
FH (60°-80°)	967.2	23.8			G1/1800
FVH (80°-90°)	66.5	1.6			G1/100
BL (0°-30°)	69.7	1.7	B0/110		
BM (30°-60°)	527.0	13.0	B1/1000		
BH (60°-80°)	529.7	13.0	B2/1000		G2/1000
BVH (80°-90°)	64.1	1.6			G1/100
UL (90°-100°)	46.1	1.1		U2/50	
UH (100°-180°)	18.9	0.5		U2/50	

BUG Rating: B2-U2-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	1.4	1.4
5°	2.7	2.7	2.7	4.1	2.7	2.7	2.7	2.7	2.7	1.4	1.4
7.5°	5.5	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	1.4	1.4
10°	23.4	19.2	15.1	11.0	6.9	4.1	4.1	2.7	2.7	2.7	2.7
12.5°	101.7	97.6	96.2	90.7	30.2	11.0	6.9	11.0	13.7	19.2	23.4
15°	119.6	118.2	115.4	107.2	101.7	75.6	24.7	93.4	101.7	107.2	108.6
17.5°	218.5	199.3	153.9	133.3	118.2	108.6	103.1	119.6	122.3	125.0	129.2
20°	295.4	295.4	283.1	248.7	151.2	180.0	177.3	142.9	149.8	185.5	233.6
22.5°	369.7	365.5	342.2	316.1	310.6	215.7	206.1	250.1	254.2	277.6	277.6
25°	608.8	608.8	540.1	398.5	372.4	313.3	317.4	320.2	310.6	316.1	329.8
27.5°	722.8	713.2	687.1	607.4	461.7	435.6	376.5	375.1	446.6	461.7	471.3
30°	1033.4	1029.3	882.2	715.9	623.9	504.3	513.9	524.9	524.9	526.3	511.2
32.5°	1249.1	1254.6	1179.0	952.3	732.4	619.8	622.5	581.3	595.0	689.8	696.7
35°	1459.4	1470.4	1365.9	1158.4	945.4	768.2	696.7	747.6	776.4	775.0	757.2
37.5°	1672.4	1664.1	1572.1	1338.4	1107.6	883.6	849.2	879.5	865.7	883.6	827.3
40°	1822.2	1820.8	1738.3	1528.1	1272.5	1043.0	957.8	985.3	994.9	988.0	915.2
42.5°	1925.2	1915.6	1881.2	1723.2	1488.2	1254.6	1100.7	1120.0	1087.0	1113.1	1021.0
45°	1967.8	1955.5	1950.0	1830.4	1675.1	1577.6	1304.1	1265.6	1228.5	1280.7	1144.7
47.5°	1910.1	1893.6	1925.2	1888.1	1822.2	1804.3	1541.8	1408.5	1403.0	1442.9	1298.6
50°	1723.2	1694.4	1779.6	1845.5	1892.2	1960.9	1808.4	1636.6	1618.8	1621.5	1442.9
52.5°	1426.4	1427.8	1529.5	1649.0	1864.8	1988.4	2064.0	1923.8	1862.0	1831.8	1588.5
55°	1139.2	1148.8	1225.8	1331.6	1638.0	1960.9	2259.1	2248.2	2143.7	2035.2	1743.8
57.5°	819.0	839.6	957.8	1030.6	1326.1	1768.6	2356.7	2536.7	2446.0	2245.4	1910.1
60°	468.6	493.3	622.5	787.4	1015.5	1409.9	2308.6	2833.5	2734.6	2466.6	2076.4
62.5°	298.2	305.1	361.4	534.6	663.7	927.6	2105.2	3013.6	2964.1	2670.0	2256.4
65°	230.9	233.6	261.1	373.8	453.5	533.2	1655.9	2962.7	3042.4	2810.2	2404.8
67.5°	211.6	211.6	219.9	268.0	343.5	336.7	1070.5	2653.5	2881.6	2829.4	2454.3
70°	197.9	200.6	210.2	217.1	270.7	254.2	575.8	2099.7	2473.5	2641.2	2437.8
72.5°	173.1	175.9	188.3	206.1	210.2	206.1	321.6	1396.2	1879.9	2217.9	2304.5
75°	147.0	148.4	156.7	185.5	184.1	166.3	266.6	834.1	1245.0	1627.0	1954.1
77.5°	120.9	125.0	134.7	149.8	167.6	131.9	237.7	490.6	710.4	1023.8	1354.9
80°	89.3	92.1	101.7	123.7	134.7	114.1	196.5	318.8	398.5	530.4	652.7
82.5°	64.6	66.0	74.2	89.3	96.2	97.6	153.9	257.0	273.5	292.7	294.1
85°	39.9	38.5	39.9	46.7	59.1	63.2	111.3	204.8	206.1	199.3	196.5
87.5°	17.9	17.9	13.7	16.5	19.2	19.2	57.7	162.2	162.2	153.9	159.4
90°	19.2	19.2	13.7	13.7	15.1	13.7	33.0	137.4	145.7	145.7	160.8
92.5°	20.6	19.2	15.1	13.7	13.7	12.4	20.6	109.9	131.9	145.7	166.3
95°	19.2	19.2	13.7	12.4	12.4	11.0	16.5	75.6	105.8	118.2	141.5
97.5°	13.7	13.7	9.6	9.6	11.0	9.6	12.4	31.6	41.2	53.6	71.5
100°	9.6	9.6	6.9	6.9	6.9	6.9	8.2	13.7	16.5	13.7	16.5
102.5°	8.2	9.6	5.5	5.5	5.5	4.1	5.5	6.9	8.2	9.6	12.4
105°	8.2	8.2	4.1	4.1	4.1	4.1	2.7	5.5	5.5	6.9	12.4
107.5°	5.5	5.5	4.1	4.1	2.7	2.7	2.7	4.1	5.5	6.9	12.4
110°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	4.1	5.5	5.5	9.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.7	2.7	2.7	1.4	1.4	2.7	2.7	4.1	4.1	4.1	6.9
115°	2.7	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1	6.9
117.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
120°	4.1	2.7	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
122.5°	4.1	4.1	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	6.9
125°	4.1	4.1	2.7	1.4	1.4	1.4	1.4	2.7	2.7	4.1	5.5
127.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	5.5
130°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	5.5
132.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1
135°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7
137.5°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7
140°	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	2.7	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	2.7	4.1	2.7	2.7	2.7	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	4.1	4.1	4.1	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
150°	4.1	4.1	4.1	2.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7	2.7
5°	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7
7.5°	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7	2.7
10°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
12.5°	22.0	20.6	17.9	9.6	4.1	2.7	2.7	2.7	4.1	5.5	5.5
15°	111.3	112.7	109.9	98.9	24.7	6.9	4.1	12.4	46.7	81.1	56.3
17.5°	129.2	130.5	127.8	125.0	114.1	50.8	33.0	108.6	112.7	120.9	118.2
20°	237.7	235.0	196.5	145.7	131.9	122.3	103.1	125.0	131.9	134.7	134.7
22.5°	276.2	274.8	269.3	254.2	156.7	182.8	163.5	137.4	225.4	236.4	235.0
25°	320.2	311.9	296.8	283.1	270.7	200.6	202.0	218.5	230.9	232.2	232.2
27.5°	459.0	448.0	423.2	351.8	317.4	250.1	252.8	224.0	225.4	270.7	279.0
30°	498.8	481.0	454.9	441.1	365.5	294.1	241.9	257.0	265.2	263.8	266.6
32.5°	665.1	639.0	548.3	493.3	402.6	284.5	252.8	248.7	248.7	270.7	273.5
35°	717.3	678.8	629.4	615.6	409.5	279.0	239.1	243.2	274.8	279.0	277.6
37.5°	779.2	725.6	676.1	643.1	428.7	258.3	226.7	244.6	254.2	254.2	252.8
40°	847.9	794.3	743.4	651.4	408.1	237.7	228.1	232.2	239.1	235.0	233.6
42.5°	948.2	876.7	831.4	651.4	355.9	225.4	222.6	222.6	228.1	224.0	222.6
45°	1070.5	988.0	905.6	641.7	302.3	218.5	219.9	218.5	224.0	218.5	217.1
47.5°	1199.7	1114.5	972.9	618.4	261.1	213.0	224.0	217.1	218.5	210.2	208.9
50°	1346.7	1254.6	1043.0	577.2	237.7	213.0	222.6	218.5	214.4	206.1	204.8
52.5°	1495.1	1401.7	1125.4	526.3	221.2	208.9	224.0	222.6	217.1	204.8	204.8
55°	1647.6	1583.0	1220.3	482.3	203.4	207.5	230.9	230.9	219.9	203.4	202.0
57.5°	1811.2	1767.2	1324.7	465.8	186.9	199.3	241.9	244.6	224.0	202.0	202.0
60°	2002.2	2020.0	1436.0	446.6	175.9	192.4	247.4	257.0	229.5	202.0	202.0
62.5°	2239.9	2290.7	1540.5	402.6	166.3	182.8	252.8	270.7	246.0	225.4	226.7
65°	2426.8	2457.0	1577.6	322.9	156.7	186.9	266.6	287.2	257.0	254.2	261.1
67.5°	2529.9	2516.1	1521.2	246.0	145.7	184.1	262.5	298.2	269.3	276.2	280.3
70°	2527.1	2426.8	1334.3	189.6	136.0	181.4	266.6	294.1	276.2	295.4	307.8
72.5°	2351.2	2123.1	1011.4	164.9	136.0	178.6	259.7	283.1	277.6	296.8	306.4
75°	1889.5	1613.3	694.0	144.3	129.2	170.4	247.4	263.8	252.8	269.3	274.8
77.5°	1251.9	1060.9	387.5	130.5	127.8	156.7	225.4	233.6	221.2	232.2	236.4
80°	586.8	489.2	215.7	120.9	123.7	138.8	185.5	197.9	178.6	189.6	189.6
82.5°	269.3	248.7	163.5	109.9	111.3	105.8	144.3	163.5	145.7	151.2	145.7
85°	181.4	182.8	130.5	93.4	90.7	75.6	114.1	126.4	109.9	114.1	96.2
87.5°	158.0	162.2	104.4	60.5	52.2	46.7	74.2	77.0	56.3	46.7	45.3
90°	162.2	163.5	96.2	45.3	31.6	24.7	39.9	38.5	24.7	22.0	22.0
92.5°	167.6	167.6	97.6	48.1	31.6	23.4	35.7	28.9	22.0	19.2	19.2
95°	152.5	144.3	85.2	48.1	30.2	20.6	28.9	24.7	19.2	19.2	17.9
97.5°	93.4	85.2	63.2	48.1	24.7	17.9	22.0	19.2	13.7	12.4	12.4
100°	26.1	22.0	39.9	38.5	17.9	12.4	15.1	12.4	8.2	6.9	5.5
102.5°	12.4	12.4	20.6	24.7	9.6	6.9	8.2	8.2	6.9	6.9	5.5
105°	12.4	12.4	9.6	11.0	5.5	4.1	4.1	5.5	5.5	6.9	6.9
107.5°	12.4	13.7	8.2	5.5	5.5	4.1	2.7	4.1	5.5	6.9	8.2
110°	11.0	11.0	6.9	5.5	4.1	4.1	2.7	4.1	5.5	8.2	8.2

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 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.2	8.2	5.5	5.5	4.1	4.1	2.7	2.7	5.5	8.2	9.6
115°	6.9	6.9	5.5	4.1	2.7	2.7	2.7	2.7	5.5	9.6	11.0
117.5°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	2.7	5.5	11.0	11.0
120°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	4.1	6.9	11.0	12.4
122.5°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	4.1	6.9	11.0	12.4
125°	6.9	6.9	4.1	2.7	2.7	2.7	2.7	4.1	6.9	11.0	11.0
127.5°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	9.6	11.0
130°	5.5	5.5	4.1	2.7	2.7	2.7	2.7	2.7	5.5	9.6	9.6
132.5°	4.1	4.1	2.7	2.7	2.7	1.4	2.7	2.7	5.5	8.2	8.2
135°	2.7	2.7	2.7	1.4	1.4	1.4	2.7	2.7	4.1	5.5	6.9
137.5°	2.7	2.7	1.4	1.4	2.7	2.7	2.7	2.7	4.1	4.1	4.1
140°	1.4	1.4	1.4	1.4	2.7	2.7	2.7	2.7	2.7	4.1	4.1
142.5°	1.4	1.4	1.4	1.4	2.7	1.4	2.7	2.7	2.7	4.1	4.1
145°	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7	4.1	4.1
147.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	4.1	4.1	4.1
150°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	4.1	4.1
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)