

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: P695076

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2U-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-T2U-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4245 lumens
Efficiency: N/A
Efficacy: 105.6 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 - U3 - G2

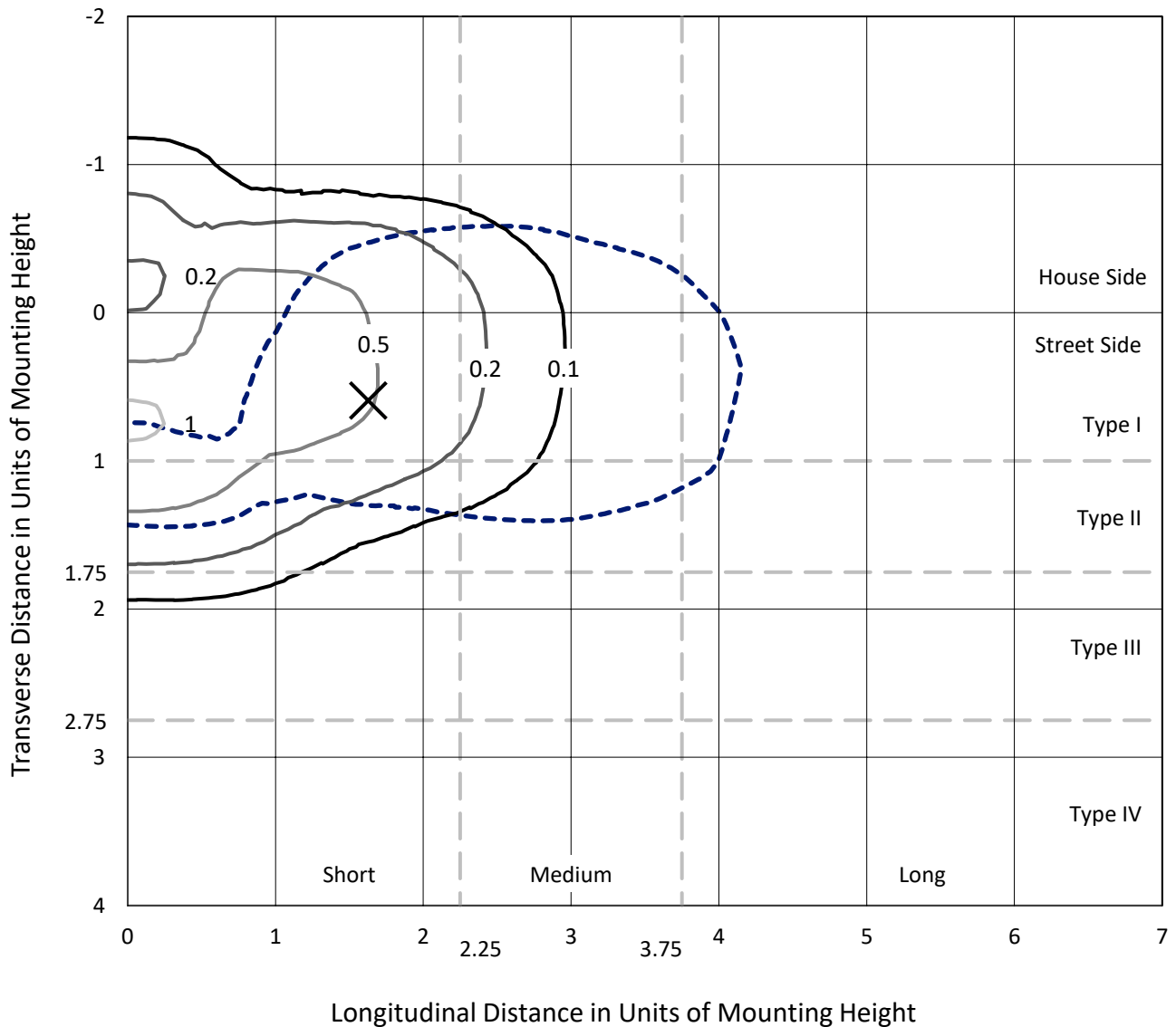
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

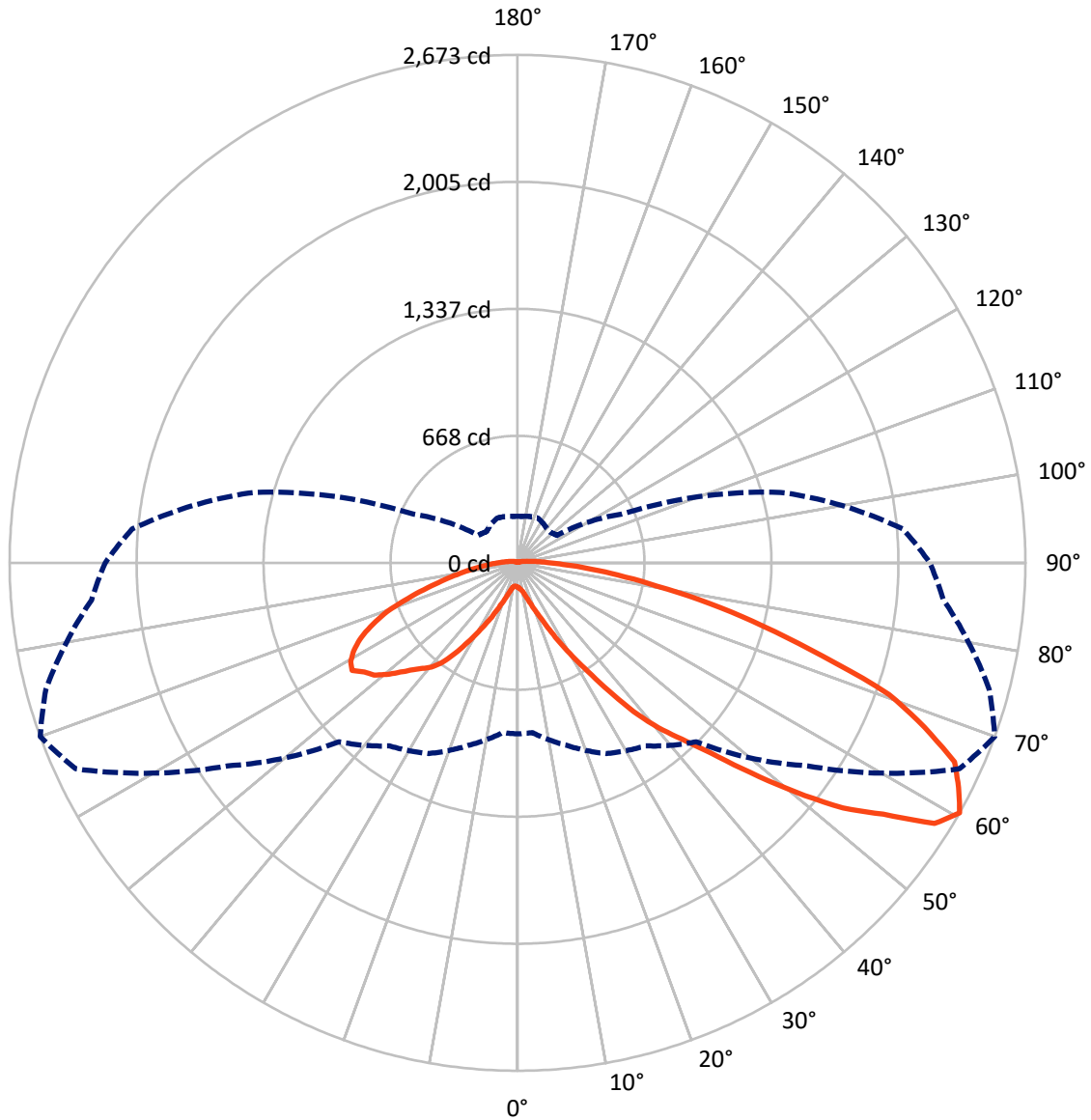
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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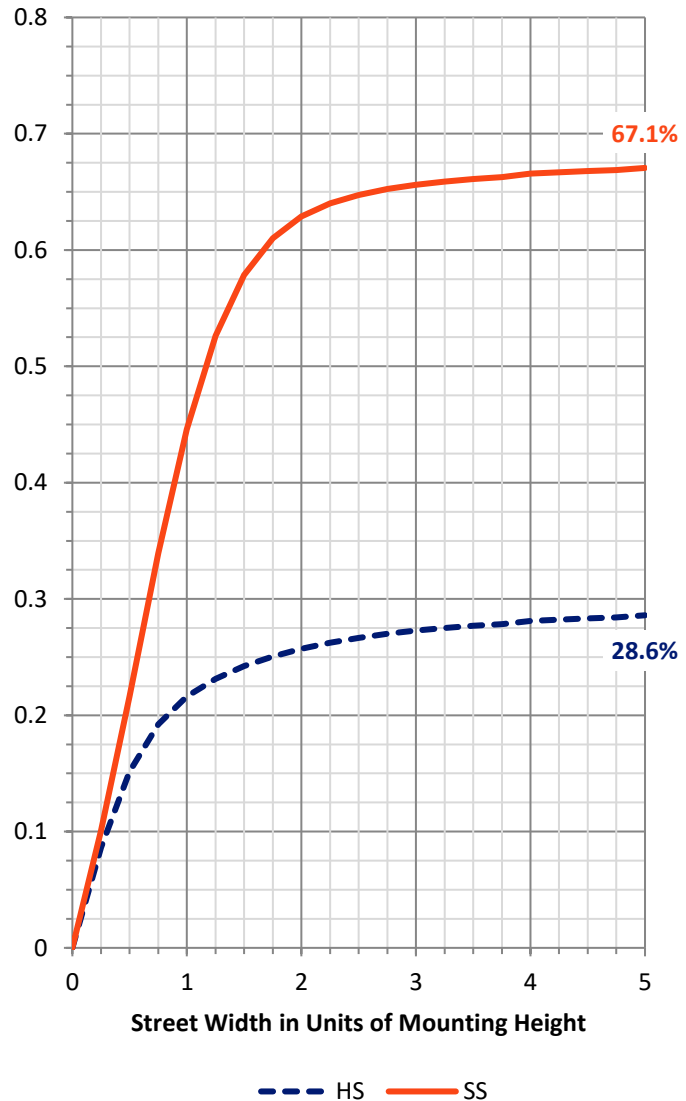
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1249.8	63.1	1312.9
	% Fixture	29.4	1.5	30.9
Street Side	Lumens	2878.4	53.8	2932.2
	% Fixture	67.8	1.3	69.1
Total	Lumens	4128.2	116.9	4245.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	0.3
10°-20°	54.1	1.3
20°-30°	171.6	4.0
30°-40°	422.2	9.9
40°-50°	730.6	17.2
50°-60°	1028.2	24.2
60°-70°	956.1	22.5
70°-80°	545.2	12.8
80°-90°	207.4	4.9
90°-100°	61.9	1.5
100°-110°	25.1	0.6
110°-120°	13.4	0.3
120°-130°	8.4	0.2
130°-140°	5.5	0.1
140°-150°	2.4	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4128.2	97.2
0°-180°	4245.0	100.0

Coefficient of Utilization

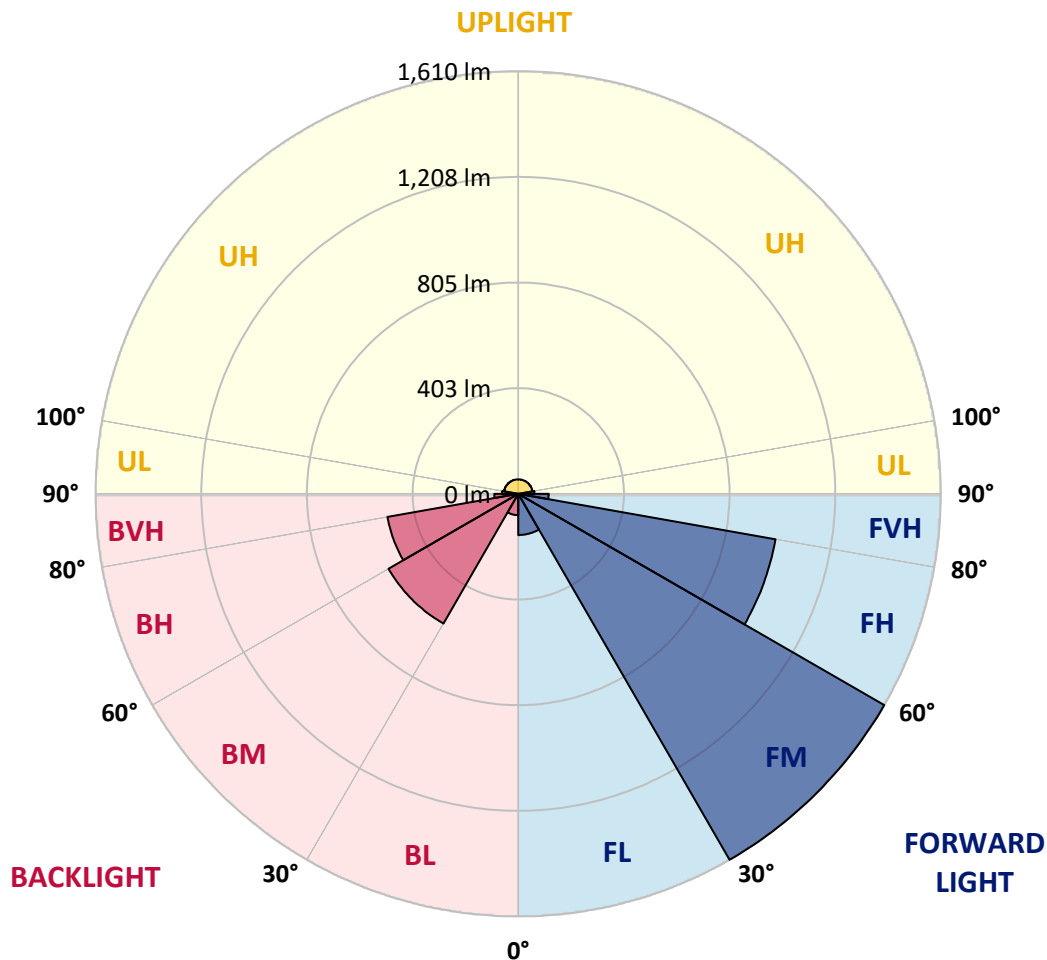


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.1	3.7			
FM (30°-60°)	1610.2	37.9			
FH (60°-80°)	995.3	23.4			G1/1800
FVH (80°-90°)	115.9	2.7			G2/225
BL (0°-30°)	81.4	1.9	B0/110		
BM (30°-60°)	570.8	13.4	B1/1000		
BH (60°-80°)	506.0	11.9	B2/1000		G2/1000
BVH (80°-90°)	91.6	2.2			G1/100
UL (90°-100°)	61.9	1.5		U3/500	
UH (100°-180°)	55.0	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	137.3	135.8	135.8	135.8	135.8	134.3	132.8	131.3	131.3	129.9	128.4
5°	149.3	149.3	149.3	147.8	146.3	144.8	141.8	138.8	137.3	134.3	131.3
7.5°	168.7	165.7	165.7	164.2	159.7	156.7	152.2	146.3	144.8	141.8	137.3
10°	192.5	191.0	189.6	185.1	177.6	171.6	167.2	159.7	155.2	152.2	146.3
12.5°	229.9	229.9	225.4	216.4	206.0	195.5	186.6	177.6	173.1	168.7	162.7
15°	276.1	274.6	273.1	258.2	241.8	226.9	211.9	201.5	197.0	194.0	183.6
17.5°	337.3	338.8	329.9	306.0	282.1	265.7	247.8	234.3	228.4	223.9	214.9
20°	416.4	414.9	401.5	367.2	340.3	313.4	294.0	273.1	268.7	264.2	253.7
22.5°	519.4	516.4	489.6	447.8	407.5	370.1	344.8	329.9	320.9	314.9	306.0
25°	625.4	637.3	600.0	549.3	491.0	434.3	407.5	398.5	389.6	385.1	373.1
27.5°	792.5	794.0	740.3	658.2	580.6	522.4	488.1	473.1	473.1	467.2	452.2
30°	970.1	968.7	903.0	798.5	692.5	611.9	576.1	567.2	570.1	562.7	541.8
32.5°	1126.9	1123.9	1050.7	947.8	807.5	709.0	674.6	677.6	680.6	686.6	670.1
35°	1297.0	1295.5	1209.0	1082.1	929.8	819.4	795.5	823.9	825.4	834.3	797.0
37.5°	1358.2	1367.2	1313.4	1200.0	1038.8	932.8	934.3	965.7	992.5	995.5	943.3
40°	1404.5	1409.0	1359.7	1268.7	1137.3	1050.7	1088.1	1138.8	1140.3	1114.9	1029.8
42.5°	1510.4	1514.9	1446.3	1331.3	1209.0	1170.1	1223.9	1277.6	1267.2	1244.8	1138.8
45°	1579.1	1585.1	1540.3	1429.8	1280.6	1258.2	1356.7	1428.4	1426.9	1411.9	1265.7
47.5°	1649.3	1658.2	1611.9	1507.5	1362.7	1340.3	1503.0	1650.7	1649.3	1607.5	1434.3
50°	1628.4	1635.8	1638.8	1570.1	1420.9	1425.4	1656.7	1883.6	1895.5	1841.8	1640.3
52.5°	1501.5	1513.4	1556.7	1565.7	1462.7	1483.6	1806.0	2129.8	2144.8	2055.2	1800.0
55°	1337.3	1352.2	1409.0	1471.6	1437.3	1498.5	1929.8	2325.4	2334.3	2261.2	2004.5
57.5°	1117.9	1149.3	1222.4	1311.9	1332.8	1462.7	1931.3	2486.6	2588.1	2531.3	2226.9
60°	900.0	897.0	994.0	1107.5	1176.1	1331.3	1862.7	2565.7	2673.1	2570.1	2250.7
62.5°	646.3	656.7	761.2	892.5	977.6	1126.9	1703.0	2410.4	2606.0	2603.0	2376.1
65°	461.2	471.6	547.8	673.1	771.6	934.3	1444.8	2258.2	2526.9	2550.7	2364.2
67.5°	328.4	332.8	391.0	489.6	576.1	713.4	1183.6	2041.8	2310.4	2382.1	2295.5
70°	246.3	250.7	286.6	359.7	420.9	520.9	944.8	1731.3	2074.6	2179.1	2119.4
72.5°	189.6	195.5	219.4	274.6	310.4	371.6	706.0	1411.9	1677.6	1780.6	1755.2
75°	149.3	152.2	170.1	207.5	229.9	261.2	500.0	1086.6	1335.8	1483.6	1483.6
77.5°	119.4	123.9	135.8	162.7	182.1	194.0	343.3	780.6	1035.8	1185.1	1219.4
80°	95.5	98.5	109.0	128.4	141.8	149.3	231.3	541.8	743.3	920.9	1020.9
82.5°	76.1	76.1	86.6	101.5	114.9	123.9	170.1	383.6	531.3	665.7	776.1
85°	61.2	62.7	68.7	79.1	92.5	104.5	131.3	262.7	362.7	446.3	537.3
87.5°	47.8	47.8	53.7	61.2	74.6	88.1	107.5	177.6	238.8	307.5	361.2
90°	34.3	35.8	38.8	44.8	58.2	71.6	85.1	123.9	158.2	192.5	228.4
92.5°	25.4	25.4	26.9	31.3	41.8	56.7	68.7	89.6	109.0	125.4	141.8
95°	19.4	19.4	20.9	22.4	29.9	43.3	52.2	65.7	76.1	88.1	95.5
97.5°	16.4	16.4	16.4	17.9	23.9	32.8	40.3	49.3	56.7	64.2	71.6
100°	14.9	14.9	14.9	14.9	19.4	28.4	31.3	38.8	43.3	49.3	53.7
102.5°	13.4	13.4	13.4	13.4	17.9	23.9	26.9	29.9	34.3	37.3	41.8
105°	11.9	11.9	11.9	11.9	14.9	19.4	22.4	25.4	26.9	28.4	31.3
107.5°	10.4	10.4	10.4	10.4	13.4	17.9	19.4	19.4	20.9	22.4	25.4
110°	9.0	9.0	9.0	10.4	11.9	14.9	16.4	16.4	16.4	17.9	20.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.0	9.0	9.0	9.0	10.4	13.4	13.4	13.4	14.9	14.9	17.9
115°	7.5	7.5	7.5	9.0	10.4	11.9	11.9	11.9	11.9	13.4	14.9
117.5°	7.5	7.5	7.5	7.5	10.4	11.9	11.9	10.4	10.4	11.9	13.4
120°	7.5	7.5	7.5	7.5	9.0	10.4	10.4	10.4	10.4	10.4	11.9
122.5°	7.5	7.5	7.5	7.5	9.0	9.0	9.0	9.0	9.0	9.0	10.4
125°	7.5	7.5	7.5	7.5	9.0	9.0	9.0	7.5	7.5	9.0	10.4
127.5°	9.0	9.0	7.5	7.5	7.5	9.0	7.5	7.5	7.5	7.5	9.0
130°	9.0	9.0	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9.0
132.5°	9.0	9.0	7.5	7.5	7.5	7.5	7.5	6.0	6.0	7.5	9.0
135°	7.5	9.0	7.5	7.5	7.5	6.0	6.0	6.0	6.0	6.0	7.5
137.5°	7.5	7.5	7.5	6.0	6.0	6.0	4.5	4.5	4.5	6.0	6.0
140°	7.5	7.5	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0
142.5°	6.0	6.0	6.0	4.5	4.5	4.5	3.0	3.0	3.0	3.0	4.5
145°	6.0	6.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	4.5	4.5	4.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5
150°	4.5	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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°	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4	128.4
2.5°	128.4	126.9	125.4	125.4	123.9	122.4	120.9	120.9	120.9	120.9	120.9
5°	129.9	128.4	125.4	122.4	119.4	116.4	114.9	111.9	111.9	111.9	110.4
7.5°	134.3	131.3	126.9	120.9	116.4	111.9	107.5	106.0	104.5	103.0	103.0
10°	141.8	138.8	131.3	123.9	116.4	110.4	104.5	100.0	97.0	97.0	97.0
12.5°	156.7	152.2	141.8	129.9	119.4	110.4	103.0	98.5	97.0	97.0	98.5
15°	180.6	174.6	159.7	144.8	128.4	114.9	109.0	109.0	110.4	111.9	111.9
17.5°	209.0	201.5	185.1	164.2	144.8	131.3	125.4	126.9	129.9	131.3	131.3
20°	249.3	235.8	219.4	191.0	165.7	153.7	146.3	144.8	152.2	155.2	155.2
22.5°	295.5	288.1	261.2	225.4	195.5	177.6	167.2	164.2	171.6	174.6	174.6
25°	364.2	349.3	317.9	270.1	231.3	201.5	186.6	183.6	194.0	200.0	200.0
27.5°	443.3	420.9	382.1	320.9	267.2	223.9	204.5	204.5	214.9	223.9	225.4
30°	525.4	500.0	453.7	377.6	303.0	241.8	217.9	219.4	229.9	243.3	240.3
32.5°	644.8	609.0	540.3	441.8	335.8	256.7	225.4	231.3	247.8	265.7	262.7
35°	761.2	723.9	641.8	513.4	364.2	264.2	229.9	243.3	261.2	274.6	274.6
37.5°	885.1	838.8	734.3	576.1	394.0	268.7	232.8	246.3	264.2	273.1	273.1
40°	967.2	920.9	801.5	620.9	406.0	267.2	231.3	244.8	256.7	259.7	256.7
42.5°	1070.1	1001.5	853.7	641.8	400.0	259.7	226.9	237.3	241.8	240.3	240.3
45°	1192.5	1116.4	928.4	649.3	382.1	247.8	220.9	228.4	234.3	235.8	235.8
47.5°	1356.7	1268.7	1025.4	661.2	359.7	235.8	217.9	229.9	235.8	231.3	231.3
50°	1546.3	1443.3	1137.3	671.6	337.3	226.9	219.4	234.3	235.8	231.3	229.9
52.5°	1697.0	1585.1	1234.3	683.6	314.9	222.4	225.4	240.3	238.8	231.3	229.9
55°	1897.0	1782.1	1320.9	656.7	294.0	223.9	231.3	246.3	241.8	229.9	229.9
57.5°	2132.8	1994.0	1435.8	641.8	270.1	228.4	238.8	252.2	244.8	234.3	232.8
60°	2170.1	2035.8	1432.8	604.5	252.2	231.3	244.8	258.2	252.2	244.8	244.8
62.5°	2297.0	2152.2	1409.0	538.8	238.8	231.3	249.3	265.7	267.2	262.7	261.2
65°	2280.6	2122.4	1347.8	473.1	226.9	228.4	252.2	274.6	276.1	277.6	277.6
67.5°	2220.9	2055.2	1241.8	414.9	213.4	223.9	252.2	273.1	280.6	286.6	286.6
70°	2038.8	1888.1	1107.5	356.7	200.0	211.9	240.3	264.2	271.6	279.1	280.6
72.5°	1706.0	1565.7	909.0	303.0	182.1	194.0	219.4	241.8	250.7	256.7	255.2
75°	1422.4	1309.0	738.8	240.3	162.7	171.6	192.5	211.9	217.9	222.4	222.4
77.5°	1174.6	1073.1	582.1	197.0	141.8	149.3	165.7	180.6	186.6	188.1	185.1
80°	980.6	861.2	456.7	159.7	120.9	125.4	141.8	153.7	159.7	156.7	158.2
82.5°	758.2	659.7	346.3	134.3	106.0	107.5	119.4	129.9	134.3	131.3	129.9
85°	514.9	447.8	249.3	116.4	92.5	91.0	98.5	107.5	110.4	109.0	107.5
87.5°	340.3	295.5	180.6	100.0	80.6	79.1	83.6	91.0	94.0	92.5	89.6
90°	214.9	195.5	129.9	85.1	70.1	67.2	70.1	74.6	79.1	77.6	76.1
92.5°	137.3	123.9	95.5	70.1	59.7	56.7	56.7	59.7	62.7	59.7	56.7
95°	92.5	89.6	73.1	56.7	49.3	46.3	44.8	44.8	47.8	44.8	43.3
97.5°	71.6	68.7	59.7	44.8	38.8	37.3	35.8	35.8	38.8	35.8	34.3
100°	55.2	55.2	47.8	37.3	29.9	29.9	29.9	31.3	32.8	31.3	31.3
102.5°	43.3	43.3	40.3	31.3	25.4	25.4	25.4	26.9	29.9	28.4	28.4
105°	32.8	34.3	32.8	25.4	22.4	22.4	22.4	23.9	25.4	25.4	25.4
107.5°	26.9	28.4	26.9	22.4	19.4	19.4	19.4	20.9	22.4	23.9	23.9
110°	22.4	23.9	22.4	19.4	17.9	17.9	17.9	17.9	20.9	20.9	22.4

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 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.9	19.4	19.4	16.4	16.4	16.4	14.9	16.4	17.9	19.4	19.4
115°	16.4	16.4	16.4	14.9	14.9	14.9	13.4	13.4	16.4	17.9	17.9
117.5°	14.9	14.9	14.9	13.4	13.4	13.4	11.9	11.9	13.4	16.4	16.4
120°	13.4	13.4	13.4	11.9	11.9	11.9	10.4	10.4	11.9	14.9	14.9
122.5°	11.9	11.9	11.9	10.4	10.4	10.4	10.4	10.4	11.9	13.4	13.4
125°	10.4	10.4	10.4	10.4	10.4	9.0	9.0	9.0	10.4	11.9	11.9
127.5°	10.4	10.4	10.4	9.0	9.0	9.0	9.0	9.0	9.0	10.4	11.9
130°	9.0	9.0	9.0	9.0	7.5	7.5	7.5	7.5	9.0	10.4	10.4
132.5°	9.0	9.0	9.0	7.5	7.5	7.5	7.5	7.5	9.0	9.0	10.4
135°	7.5	9.0	7.5	7.5	7.5	6.0	6.0	6.0	7.5	9.0	9.0
137.5°	7.5	7.5	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5	7.5
140°	6.0	6.0	6.0	4.5	4.5	4.5	4.5	4.5	6.0	7.5	7.5
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0	6.0
145°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	6.0	6.0
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	4.5	4.5
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)