

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: P695171

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-750-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4512 lumens
Efficiency: N/A
Efficacy: 112.2 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 - G2

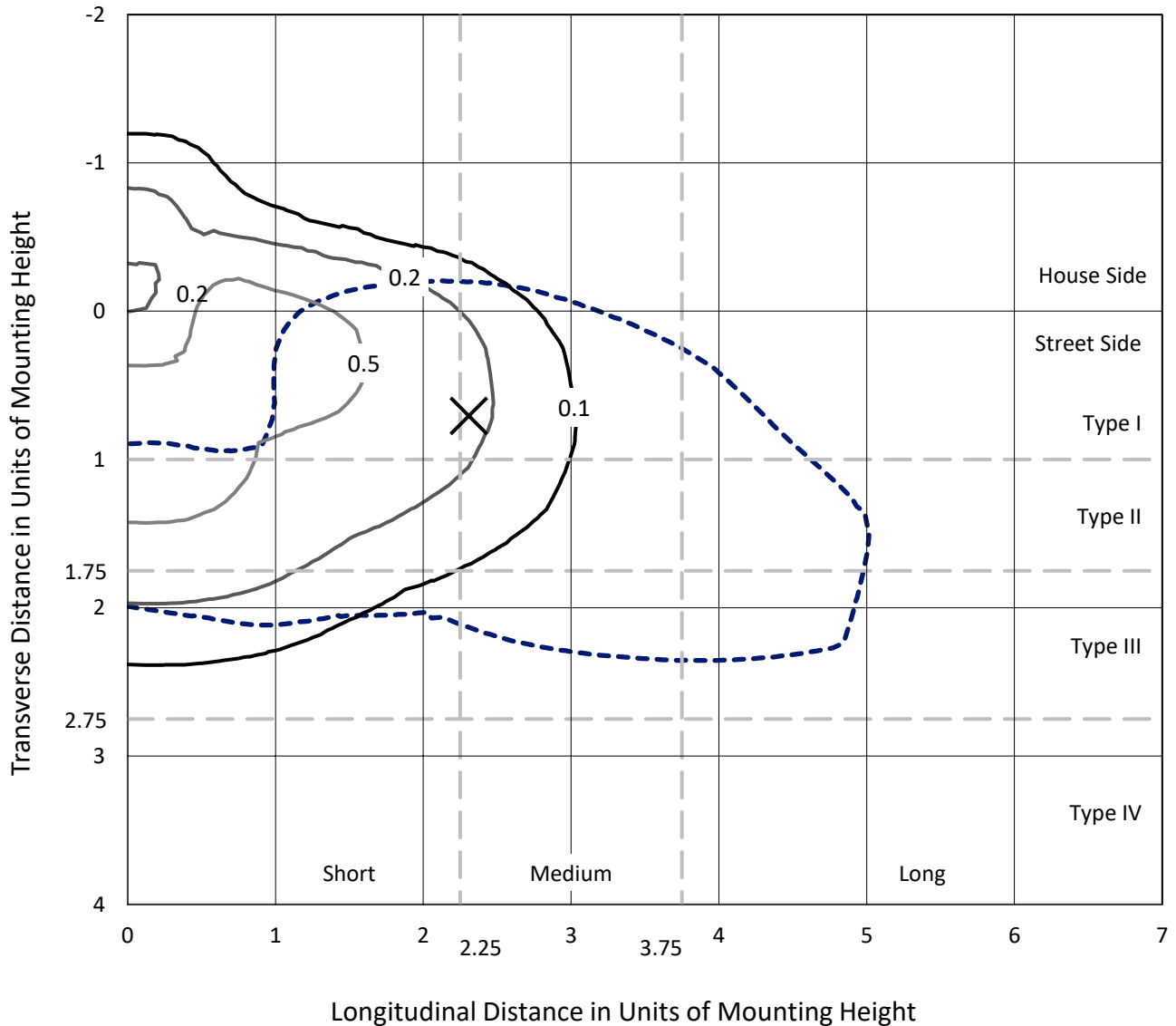
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

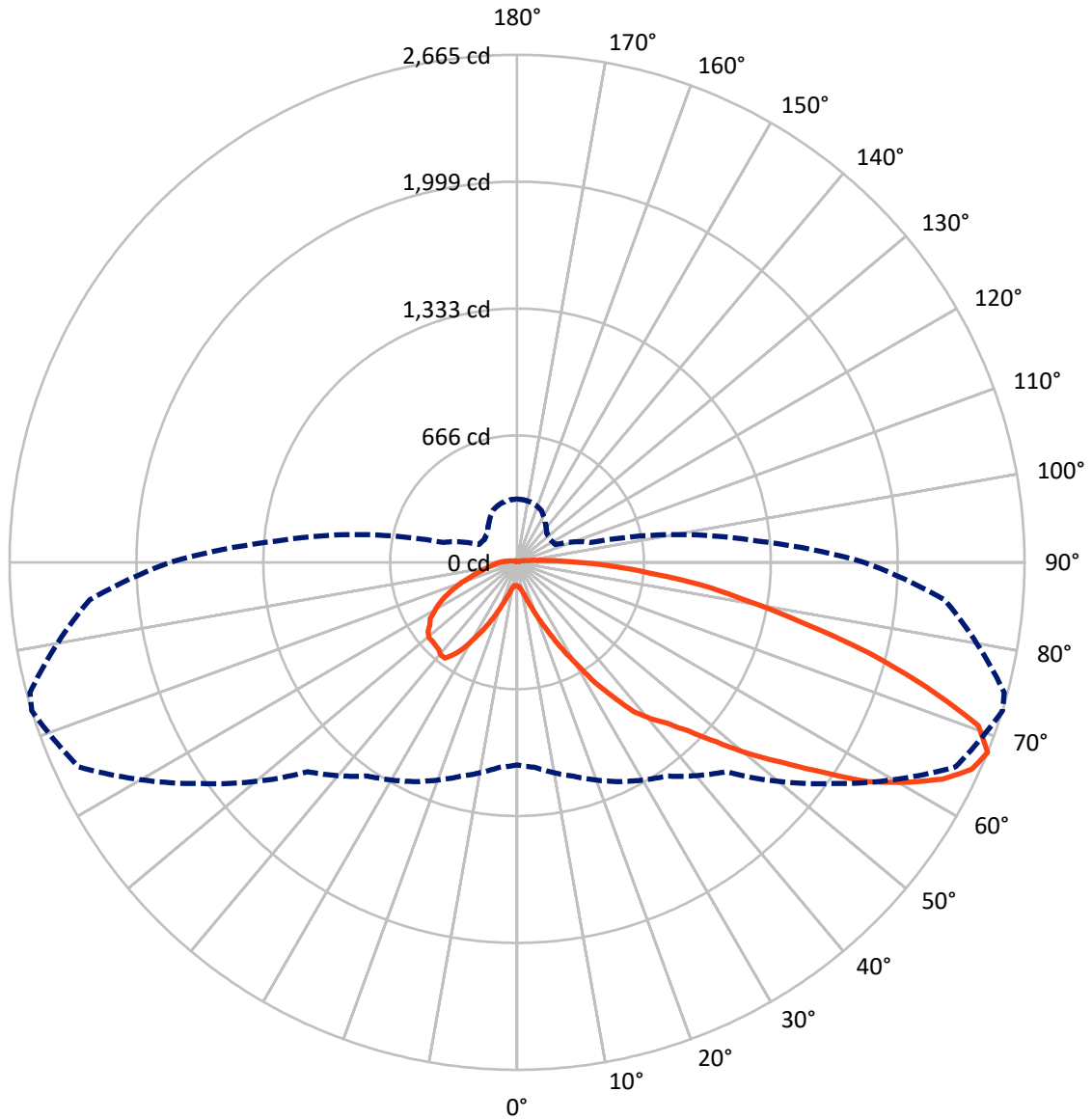
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - 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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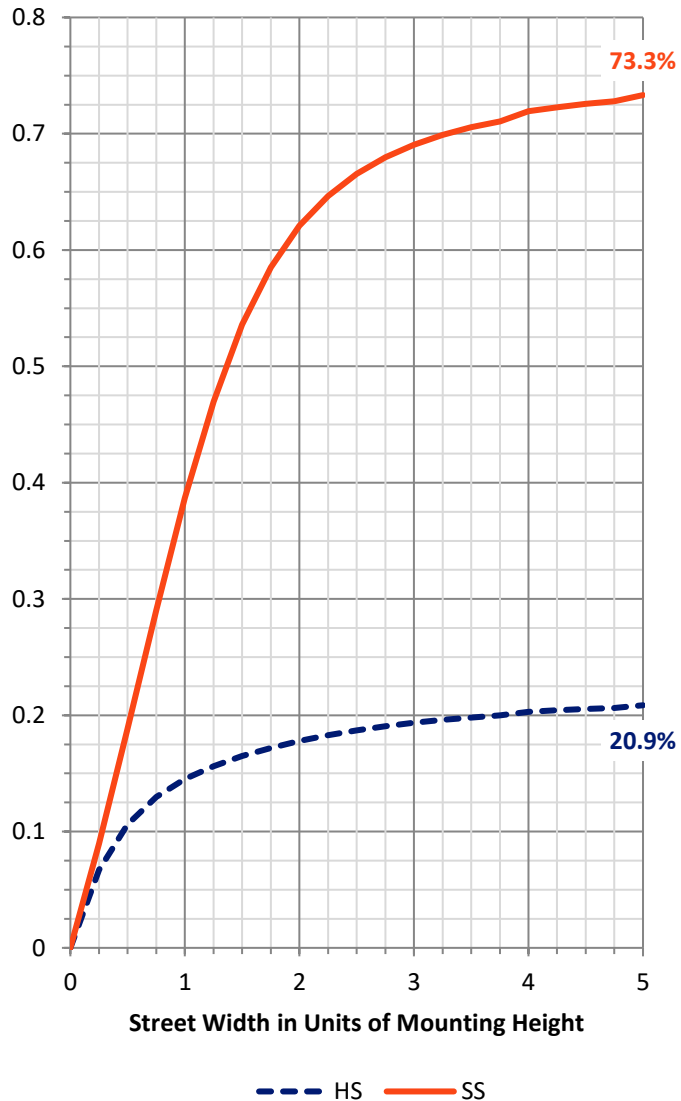
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	987.4	73.8	1061.2
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	3375.3	75.6	3450.8
	% Fixture	74.8	1.7	76.5
Total	Lumens	4362.7	149.3	4512.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.7	0.3
10°-20°	55.5	1.2
20°-30°	170.7	3.8
30°-40°	393.0	8.7
40°-50°	636.7	14.1
50°-60°	944.6	20.9
60°-70°	1099.8	24.4
70°-80°	755.5	16.7
80°-90°	294.3	6.5
90°-100°	83.5	1.9
100°-110°	30.5	0.7
110°-120°	15.7	0.3
120°-130°	9.8	0.2
130°-140°	6.5	0.1
140°-150°	3.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4362.7	96.7
0°-180°	4512.0	100.0

Coefficient of Utilization

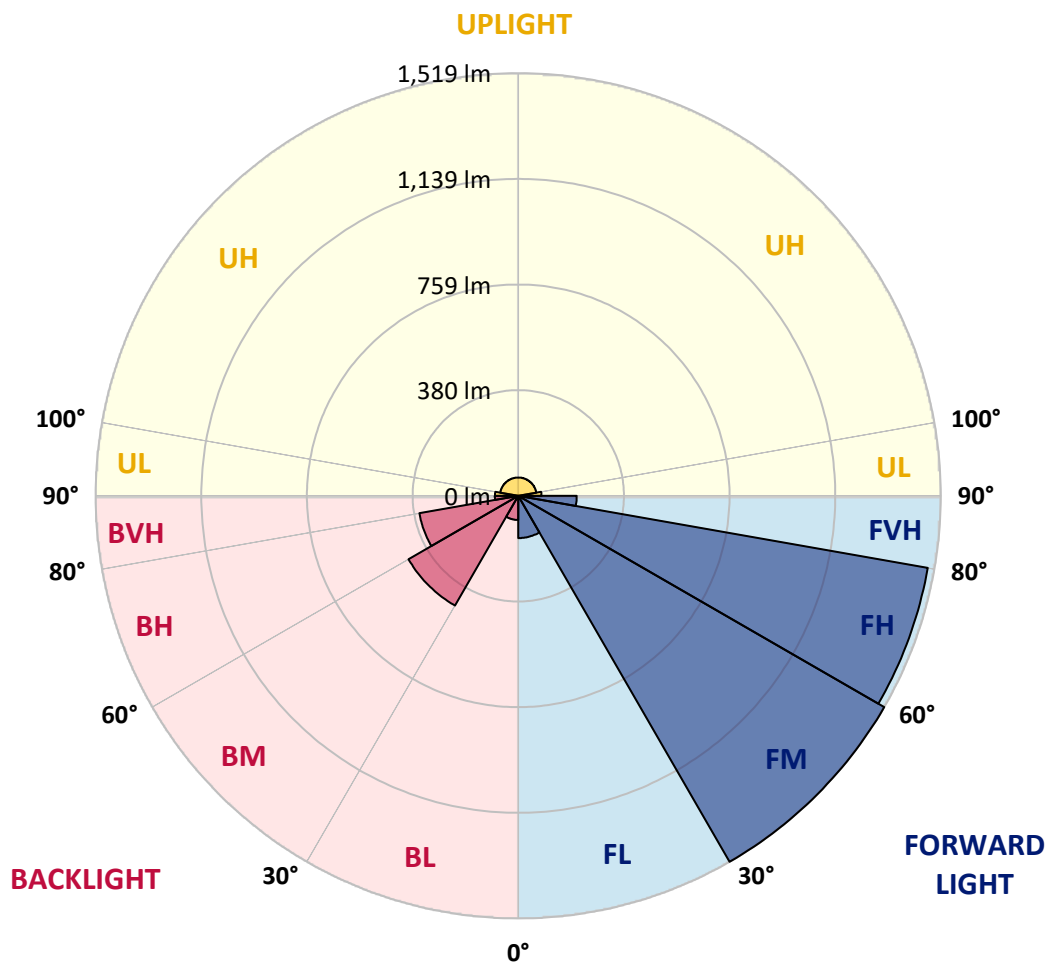


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	151.9	3.4			
FM (30°-60°)	1518.9	33.7			
FH (60°-80°)	1494.5	33.1			G1/1800
FVH (80°-90°)	210.0	4.7			G2/225
BL (0°-30°)	86.8	1.9	B0/110		
BM (30°-60°)	455.4	10.1	B1/1000		
BH (60°-80°)	360.8	8.0	B1/500		G1/500
BVH (80°-90°)	84.4	1.9			G1/100
UL (90°-100°)	83.5	1.9		U3/500	
UH (100°-180°)	65.8	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	130.8	132.4	132.4	132.4	132.4	130.8	129.2	127.5	127.5	125.9	124.3
5°	147.1	147.1	145.5	145.5	143.9	142.2	139.0	135.7	132.4	132.4	129.2
7.5°	161.9	163.5	163.5	160.2	158.6	155.3	150.4	145.5	142.2	140.6	135.7
10°	184.8	186.4	184.8	181.5	178.2	173.3	166.8	161.9	157.0	153.7	148.8
12.5°	215.8	215.8	214.2	207.6	201.1	196.2	189.7	184.8	178.2	178.2	171.7
15°	253.4	255.1	250.2	245.2	235.4	227.3	219.1	215.8	212.5	212.5	204.4
17.5°	300.8	302.5	295.9	282.9	271.4	264.9	260.0	255.1	251.8	251.8	243.6
20°	371.1	361.3	359.7	331.9	318.8	309.0	305.7	302.5	304.1	300.8	295.9
22.5°	449.6	443.1	433.3	400.6	376.0	361.3	356.4	358.1	363.0	363.0	361.3
25°	542.8	544.4	519.9	479.0	441.4	420.2	418.6	434.9	439.8	443.1	441.4
27.5°	649.1	655.6	616.4	572.2	519.9	484.0	487.2	515.0	531.4	533.0	531.4
30°	786.4	789.7	740.6	672.0	598.4	557.5	567.3	606.6	624.6	631.1	634.4
32.5°	943.4	943.4	887.8	797.9	688.3	631.1	640.9	709.6	752.1	750.5	760.3
35°	1093.8	1082.4	1034.9	920.5	788.1	709.6	734.1	812.6	864.9	874.7	869.8
37.5°	1198.4	1206.6	1162.5	1051.3	889.4	791.3	825.7	925.4	994.1	994.1	981.0
40°	1267.1	1276.9	1236.0	1141.2	989.2	881.3	918.9	1026.8	1079.1	1082.4	1034.9
42.5°	1340.7	1348.9	1321.1	1223.0	1072.5	966.3	1000.6	1103.6	1155.9	1154.3	1105.2
45°	1422.4	1433.9	1420.8	1321.1	1155.9	1046.4	1075.8	1195.2	1263.8	1275.3	1211.5
47.5°	1522.2	1530.3	1515.6	1417.5	1249.1	1128.1	1173.9	1319.4	1409.4	1411.0	1337.4
50°	1577.8	1594.1	1617.0	1540.1	1355.4	1219.7	1290.0	1476.4	1581.0	1600.6	1502.5
52.5°	1612.1	1630.1	1667.7	1651.3	1489.5	1340.7	1445.3	1656.2	1746.2	1774.0	1631.7
55°	1669.3	1688.9	1729.8	1706.9	1594.1	1479.7	1590.8	1839.3	1944.0	1957.1	1831.2
57.5°	1589.2	1608.8	1720.0	1764.1	1666.0	1600.6	1746.2	2043.7	2172.9	2192.5	2017.6
60°	1517.3	1530.3	1603.9	1729.8	1708.6	1687.3	1912.9	2239.9	2346.2	2352.7	2128.7
62.5°	1383.2	1412.6	1497.6	1600.6	1657.9	1718.4	2033.9	2395.2	2506.4	2517.9	2238.3
65°	1196.8	1218.1	1312.9	1460.0	1528.7	1667.7	2084.6	2521.1	2622.5	2616.0	2292.2
67.5°	1064.4	1080.7	1164.1	1270.4	1370.1	1554.9	2025.7	2540.8	2665.0	2648.7	2253.0
70°	835.5	855.1	949.9	1116.7	1195.2	1378.3	1886.8	2462.3	2570.2	2555.5	2074.8
72.5°	665.4	683.4	773.3	914.0	1046.4	1193.5	1702.0	2212.1	2254.6	2217.0	1747.8
75°	487.2	511.7	572.2	699.8	858.4	1031.7	1433.9	1880.2	1914.6	1878.6	1419.2
77.5°	336.8	338.4	392.4	513.4	650.7	869.8	1190.3	1561.4	1538.5	1500.9	1085.6
80°	215.8	219.1	253.4	331.9	472.5	657.3	961.4	1244.2	1223.0	1206.6	832.2
82.5°	139.0	134.1	163.5	217.5	320.5	477.4	747.2	997.3	974.4	935.2	629.5
85°	88.3	91.6	107.9	142.2	219.1	348.3	557.5	714.5	685.1	649.1	430.0
87.5°	67.0	68.7	78.5	101.4	148.8	245.2	380.9	497.0	477.4	443.1	289.4
90°	50.7	52.3	58.9	73.6	103.0	166.8	253.4	312.3	289.4	271.4	186.4
92.5°	36.0	37.6	44.1	55.6	76.8	116.1	163.5	183.1	170.0	163.5	121.0
95°	26.2	27.8	32.7	40.9	57.2	80.1	103.0	111.2	103.0	99.7	85.0
97.5°	21.3	22.9	24.5	31.1	44.1	58.9	70.3	71.9	70.3	67.0	63.8
100°	18.0	18.0	21.3	24.5	34.3	47.4	52.3	52.3	52.3	52.3	49.0
102.5°	14.7	14.7	18.0	21.3	27.8	37.6	40.9	40.9	39.2	40.9	39.2
105°	13.1	13.1	14.7	18.0	24.5	31.1	32.7	31.1	31.1	31.1	31.1
107.5°	11.4	11.4	13.1	16.3	21.3	26.2	27.8	26.2	24.5	24.5	26.2
110°	9.8	9.8	11.4	13.1	18.0	22.9	22.9	19.6	19.6	19.6	21.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	9.8	9.8	11.4	13.1	16.3	19.6	18.0	16.3	16.3	16.3	18.0
115°	9.8	9.8	9.8	11.4	14.7	16.3	16.3	14.7	13.1	14.7	16.3
117.5°	9.8	9.8	9.8	11.4	13.1	14.7	14.7	13.1	11.4	13.1	14.7
120°	9.8	9.8	9.8	11.4	13.1	13.1	13.1	11.4	11.4	11.4	13.1
122.5°	8.2	8.2	9.8	9.8	11.4	11.4	11.4	9.8	9.8	9.8	13.1
125°	8.2	8.2	9.8	9.8	11.4	11.4	9.8	9.8	9.8	9.8	11.4
127.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.2	9.8	9.8	11.4
130°	9.8	9.8	9.8	9.8	9.8	9.8	8.2	8.2	9.8	9.8	11.4
132.5°	9.8	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2	9.8	9.8
135°	9.8	9.8	9.8	9.8	8.2	8.2	6.5	8.2	8.2	8.2	9.8
137.5°	8.2	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2
140°	8.2	6.5	6.5	6.5	6.5	6.5	4.9	4.9	6.5	6.5	8.2
142.5°	6.5	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5	6.5
145°	4.9	4.9	4.9	4.9	4.9	3.3	3.3	3.3	4.9	4.9	4.9
147.5°	4.9	3.3	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
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°	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3	124.3
2.5°	124.3	122.6	122.6	121.0	119.4	119.4	117.7	117.7	117.7	117.7	116.1
5°	127.5	125.9	122.6	119.4	116.1	114.4	112.8	111.2	109.5	109.5	109.5
7.5°	132.4	130.8	125.9	121.0	116.1	111.2	107.9	106.3	104.6	103.0	103.0
10°	145.5	140.6	132.4	124.3	117.7	111.2	106.3	103.0	101.4	99.7	99.7
12.5°	163.5	161.9	148.8	135.7	124.3	114.4	107.9	106.3	104.6	104.6	103.0
15°	197.8	191.3	176.6	155.3	137.3	122.6	117.7	116.1	119.4	119.4	121.0
17.5°	235.4	227.3	207.6	181.5	157.0	140.6	134.1	135.7	139.0	142.2	142.2
20°	284.5	276.3	250.2	212.5	183.1	163.5	155.3	155.3	161.9	166.8	166.8
22.5°	351.5	336.8	299.2	248.5	209.3	186.4	174.9	173.3	181.5	186.4	186.4
25°	430.0	408.7	359.7	292.7	237.1	204.4	191.3	192.9	202.7	210.9	210.9
27.5°	511.7	488.9	420.2	333.5	263.2	217.5	206.0	212.5	225.6	233.8	235.4
30°	611.5	580.4	484.0	374.4	282.9	228.9	217.5	227.3	243.6	255.1	256.7
32.5°	724.3	685.1	564.1	415.3	297.6	235.4	224.0	243.6	263.2	279.6	279.6
35°	832.2	779.9	622.9	446.3	305.7	237.1	230.5	255.1	277.9	292.7	292.7
37.5°	928.7	861.6	672.0	462.7	305.7	237.1	232.2	260.0	281.2	291.0	289.4
40°	966.3	886.2	673.6	454.5	300.8	233.8	230.5	256.7	273.0	276.3	273.0
42.5°	1023.5	925.4	662.2	426.7	284.5	228.9	225.6	245.2	255.1	255.1	251.8
45°	1111.8	985.9	663.8	398.9	266.5	219.1	217.5	235.4	246.9	250.2	246.9
47.5°	1219.7	1061.1	665.4	374.4	250.2	210.9	212.5	233.8	245.2	242.0	240.3
50°	1361.9	1160.8	673.6	351.5	240.3	204.4	212.5	235.4	243.6	237.1	233.8
52.5°	1466.6	1219.7	658.9	330.3	233.8	202.7	215.8	238.7	243.6	233.8	233.8
55°	1620.3	1301.4	627.8	302.5	227.3	204.4	219.1	242.0	243.6	235.4	233.8
57.5°	1756.0	1375.0	609.8	277.9	220.7	207.6	224.0	246.9	250.2	245.2	243.6
60°	1818.1	1393.0	562.4	261.6	215.8	210.9	230.5	255.1	266.5	263.2	264.9
62.5°	1893.3	1396.3	516.7	246.9	214.2	214.2	238.7	271.4	286.1	286.1	287.8
65°	1888.4	1353.8	462.7	233.8	212.5	217.5	248.5	286.1	304.1	309.0	310.6
67.5°	1823.0	1270.4	403.8	220.7	209.3	219.1	256.7	300.8	322.1	330.3	331.9
70°	1620.3	1115.1	345.0	209.3	202.7	215.8	258.3	309.0	330.3	338.4	340.1
72.5°	1329.2	884.5	281.2	192.9	191.3	206.0	251.8	304.1	320.5	323.7	327.0
75°	1061.1	701.4	233.8	174.9	174.9	189.7	233.8	279.6	291.0	294.3	289.4
77.5°	794.6	531.4	194.6	158.6	158.6	173.3	210.9	246.9	256.7	255.1	256.7
80°	601.7	402.2	165.1	142.2	142.2	153.7	188.0	219.1	227.3	224.0	222.4
82.5°	451.3	300.8	143.9	127.5	127.5	137.3	163.5	189.7	196.2	196.2	191.3
85°	309.0	215.8	125.9	112.8	112.8	121.0	140.6	160.2	170.0	168.4	165.1
87.5°	215.8	163.5	111.2	101.4	99.7	106.3	121.0	139.0	150.4	152.1	148.8
90°	148.8	122.6	96.5	86.7	86.7	91.6	104.6	119.4	130.8	132.4	129.2
92.5°	104.6	93.2	80.1	73.6	71.9	78.5	86.7	96.5	103.0	103.0	104.6
95°	76.8	71.9	63.8	57.2	57.2	63.8	68.7	70.3	75.2	75.2	73.6
97.5°	58.9	57.2	52.3	45.8	44.1	50.7	52.3	54.0	57.2	55.6	54.0
100°	49.0	47.4	42.5	37.6	36.0	40.9	42.5	44.1	47.4	44.1	44.1
102.5°	39.2	39.2	36.0	31.1	31.1	34.3	36.0	37.6	39.2	37.6	36.0
105°	32.7	32.7	31.1	27.8	26.2	29.4	31.1	31.1	32.7	31.1	31.1
107.5°	26.2	27.8	26.2	22.9	22.9	24.5	26.2	26.2	26.2	26.2	26.2
110°	22.9	22.9	22.9	19.6	21.3	22.9	22.9	22.9	22.9	22.9	22.9

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	19.6	19.6	19.6	18.0	18.0	19.6	19.6	19.6	19.6	19.6	19.6
115°	18.0	18.0	18.0	16.3	16.3	18.0	16.3	16.3	16.3	18.0	18.0
117.5°	16.3	16.3	16.3	14.7	14.7	14.7	14.7	14.7	14.7	16.3	16.3
120°	14.7	14.7	14.7	13.1	13.1	13.1	13.1	13.1	13.1	14.7	14.7
122.5°	13.1	13.1	13.1	13.1	11.4	13.1	11.4	11.4	11.4	13.1	13.1
125°	11.4	13.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	13.1
127.5°	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8	9.8	11.4	11.4
130°	11.4	11.4	11.4	9.8	9.8	9.8	8.2	8.2	9.8	9.8	11.4
132.5°	11.4	11.4	9.8	9.8	8.2	8.2	8.2	8.2	9.8	9.8	9.8
135°	9.8	9.8	9.8	8.2	8.2	8.2	6.5	8.2	8.2	9.8	9.8
137.5°	8.2	8.2	8.2	8.2	6.5	6.5	6.5	6.5	8.2	8.2	8.2
140°	8.2	8.2	6.5	6.5	6.5	4.9	4.9	6.5	6.5	8.2	8.2
142.5°	6.5	6.5	6.5	4.9	4.9	4.9	4.9	4.9	6.5	6.5	6.5
145°	4.9	4.9	4.9	4.9	3.3	3.3	4.9	4.9	4.9	6.5	6.5
147.5°	4.9	4.9	4.9	3.3	3.3	3.3	3.3	4.9	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	1.6	1.6	3.3	3.3	4.9	4.9	4.9
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)