

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: P695169

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695169
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
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-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4666 lumens
Efficiency: N/A
Efficacy: 116.1 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

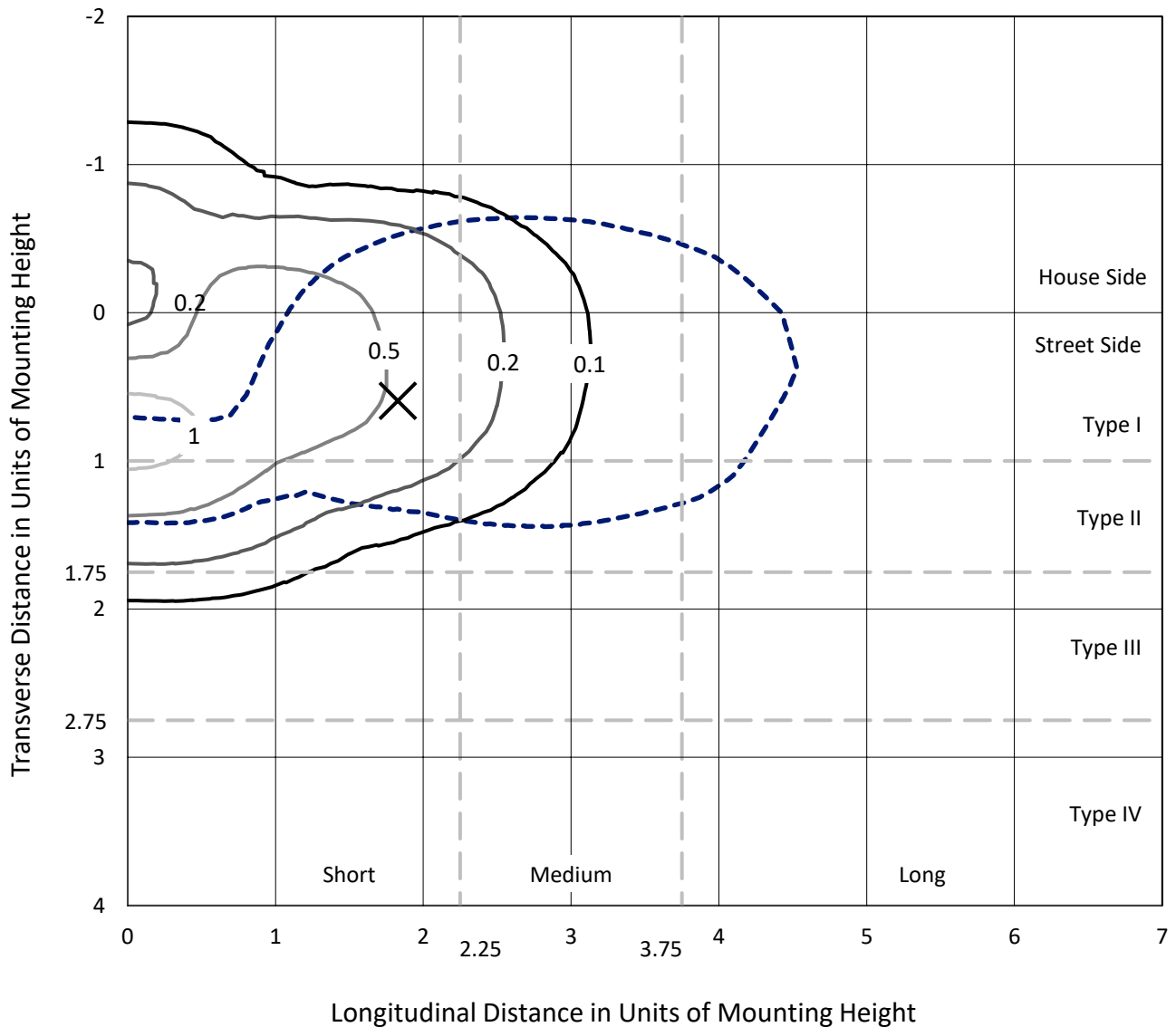
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

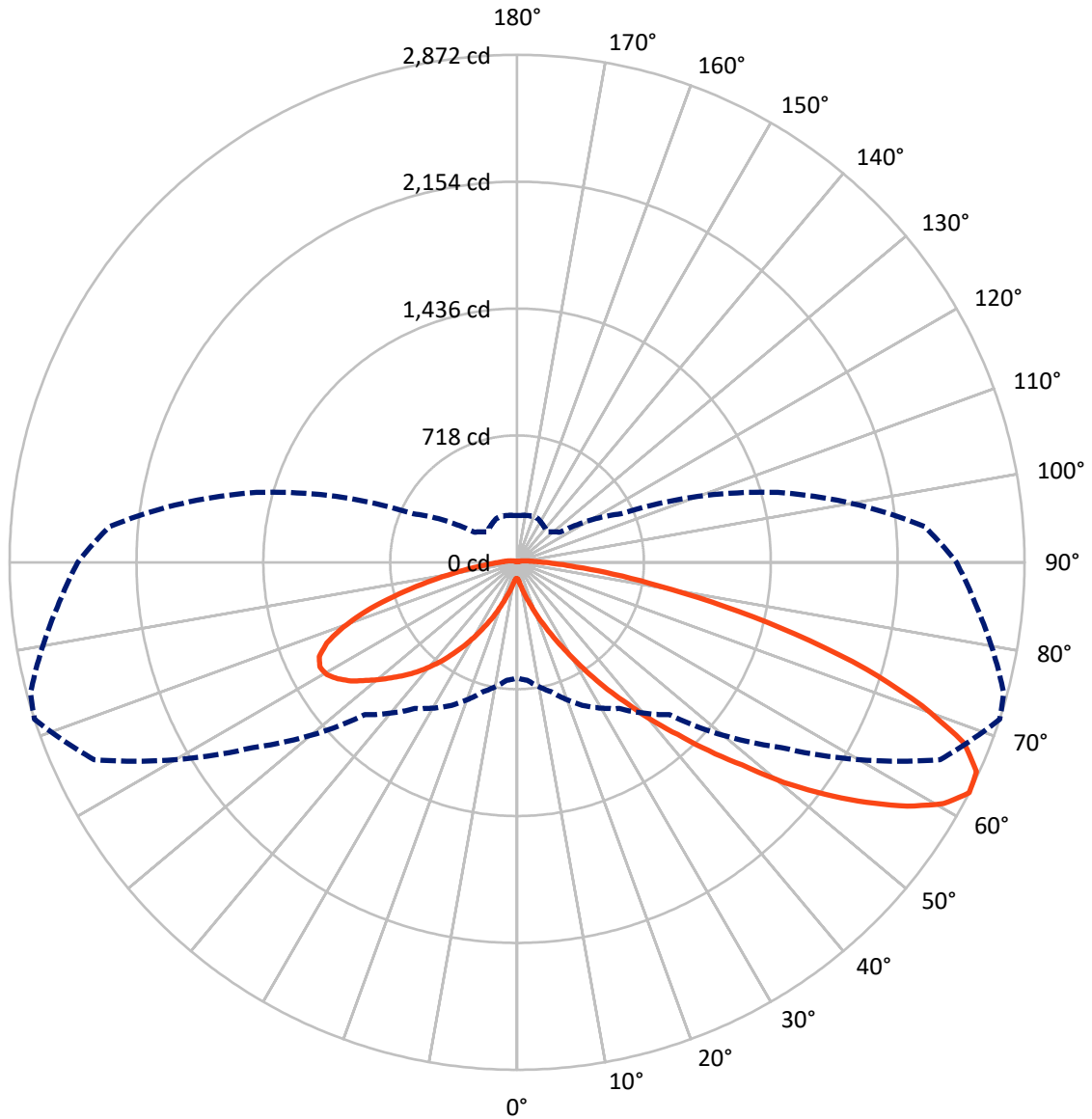
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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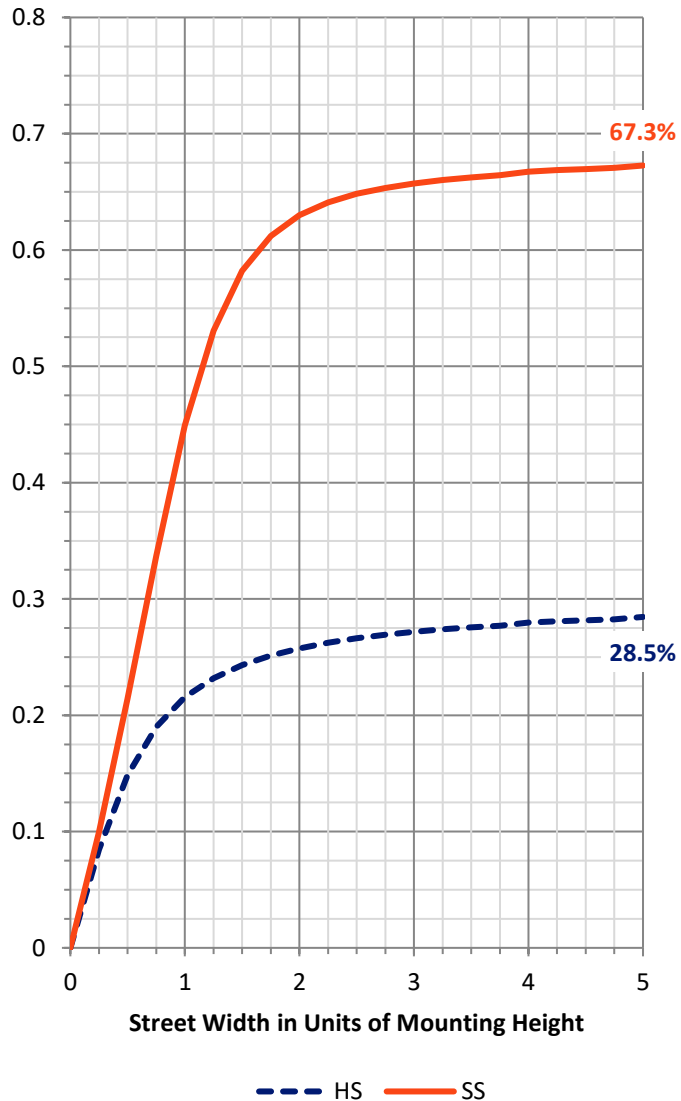
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1368.1	69.6	1437.7
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	3171.9	56.4	3228.3
	% Fixture	68.0	1.2	69.2
Total	Lumens	4540.0	126.0	4666.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	0.2
10°-20°	58.9	1.3
20°-30°	194.5	4.2
30°-40°	464.6	10.0
40°-50°	826.0	17.7
50°-60°	1092.2	23.4
60°-70°	1049.3	22.5
70°-80°	637.0	13.7
80°-90°	206.7	4.4
90°-100°	63.5	1.4
100°-110°	29.7	0.6
110°-120°	15.4	0.3
120°-130°	9.1	0.2
130°-140°	5.4	0.1
140°-150°	2.7	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4540.0	97.3
0°-180°	4666.0	100.0

Coefficient of Utilization



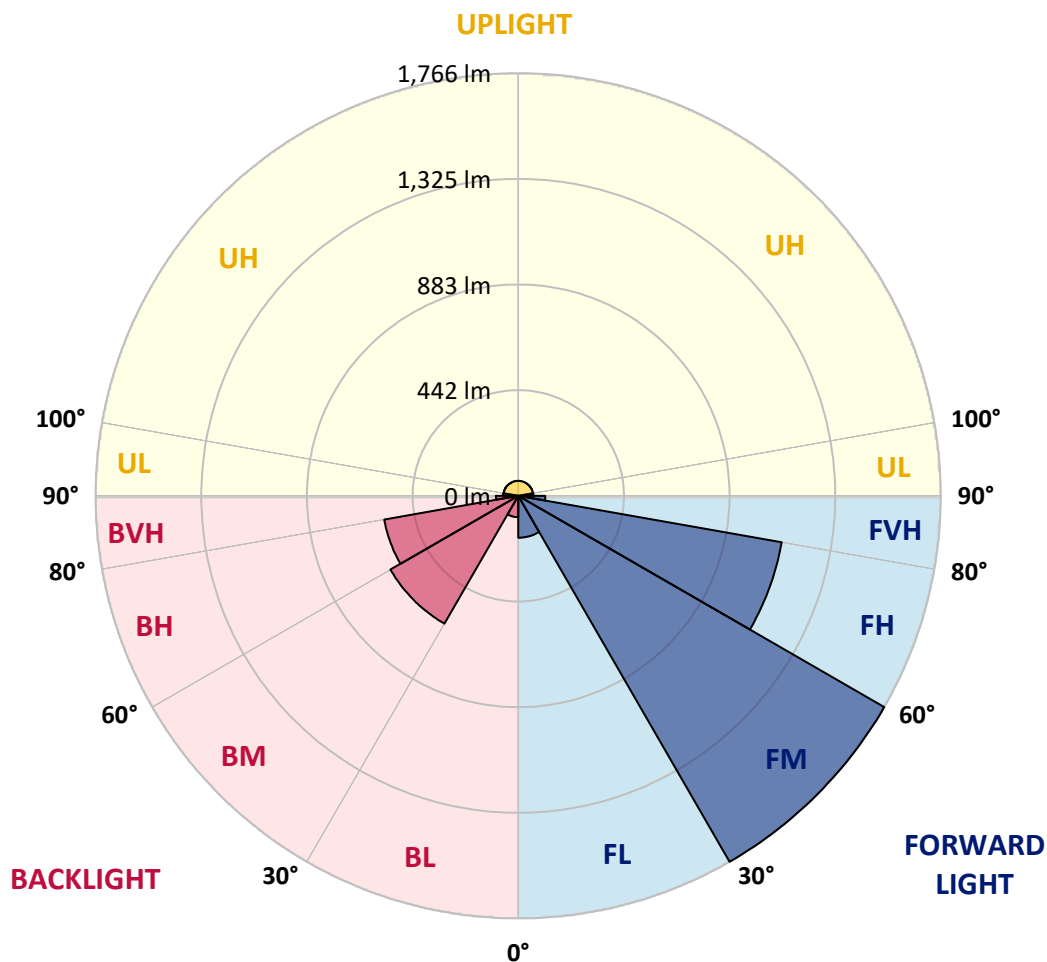
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	175.0	3.8			
FM (30°-60°)	1766.0	37.8			
FH (60°-80°)	1117.8	24.0			G1/1800
FVH (80°-90°)	113.1	2.4			G2/225
BL (0°-30°)	89.2	1.9	B0/110		
BM (30°-60°)	616.8	13.2	B1/1000		
BH (60°-80°)	568.5	12.2	B2/1000		G2/1000
BVH (80°-90°)	93.6	2.0			G1/100
UL (90°-100°)	63.5	1.4		U3/500	
UH (100°-180°)	62.5	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°	72°	75°	85°
0°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	103.0	104.6	103.0	104.6	103.0	101.4	101.4	98.1	98.1	96.5	94.8
5°	122.6	124.2	124.2	122.6	119.3	117.7	112.8	111.2	107.9	106.3	103.0
7.5°	150.4	148.8	150.4	145.5	143.9	140.6	134.1	129.1	124.2	122.6	117.7
10°	186.4	184.7	183.1	179.8	174.9	168.4	161.8	152.0	148.8	147.1	139.0
12.5°	228.9	232.1	227.2	222.3	214.2	206.0	194.5	183.1	178.2	176.6	163.5
15°	291.0	291.0	284.4	276.3	259.9	246.9	235.4	224.0	215.8	212.5	201.1
17.5°	369.5	364.6	356.4	336.8	322.0	300.8	287.7	269.7	261.6	259.9	245.2
20°	456.1	459.4	441.4	416.9	389.1	362.9	343.3	325.3	317.1	315.5	297.5
22.5°	570.5	570.5	546.0	513.3	467.5	431.6	408.7	390.7	379.3	372.7	361.3
25°	703.0	703.0	675.2	611.4	562.4	513.3	480.6	461.0	456.1	449.6	433.2
27.5°	861.5	866.4	814.1	750.4	660.4	601.6	562.4	550.9	541.1	544.4	511.7
30°	1044.6	1036.4	980.9	882.8	779.8	703.0	663.7	647.4	640.8	642.5	613.0
32.5°	1219.5	1206.5	1155.8	1043.0	905.7	819.0	774.9	761.8	756.9	750.4	714.4
35°	1422.2	1410.8	1338.9	1201.6	1049.5	936.7	884.4	884.4	884.4	876.2	823.9
37.5°	1618.4	1597.2	1518.7	1368.3	1191.7	1064.2	1020.1	1026.6	1016.8	1005.4	946.5
40°	1775.4	1760.6	1685.4	1531.8	1337.2	1203.2	1160.7	1170.5	1175.4	1159.1	1077.3
42.5°	1886.5	1880.0	1819.5	1675.6	1468.0	1340.5	1324.2	1335.6	1332.3	1314.4	1224.4
45°	1940.5	1933.9	1894.7	1777.0	1595.5	1476.2	1477.8	1528.5	1520.3	1500.7	1371.6
47.5°	1911.0	1919.2	1904.5	1830.9	1675.6	1590.6	1636.4	1726.3	1714.9	1696.9	1538.3
50°	1822.8	1819.5	1842.4	1816.2	1706.7	1667.5	1791.7	1955.2	1958.5	1911.0	1729.6
52.5°	1638.0	1646.2	1711.6	1726.3	1680.5	1696.9	1922.5	2175.9	2182.4	2125.2	1912.7
55°	1419.0	1417.3	1502.4	1577.6	1580.8	1664.2	1997.7	2365.5	2398.2	2355.7	2108.9
57.5°	1128.0	1157.4	1245.7	1365.0	1423.9	1564.5	2023.8	2535.5	2604.2	2545.3	2285.4
60°	873.0	895.9	1002.1	1131.3	1226.1	1412.4	1958.5	2628.7	2774.2	2733.3	2475.0
62.5°	655.5	670.3	760.2	895.9	1010.3	1219.5	1827.7	2641.8	2872.3	2851.0	2600.9
65°	482.3	490.4	577.1	694.8	807.6	989.0	1592.3	2530.6	2857.6	2872.3	2687.6
67.5°	349.8	362.9	426.7	531.3	627.8	792.9	1335.6	2291.9	2728.4	2770.9	2656.5
70°	276.3	282.8	327.0	408.7	479.0	604.9	1077.3	1963.4	2430.9	2527.4	2501.2
72.5°	222.3	225.6	259.9	322.0	367.8	459.4	814.1	1587.4	2068.0	2179.1	2239.6
75°	183.1	186.4	214.2	256.7	292.6	343.3	596.7	1201.6	1625.0	1745.9	1876.7
77.5°	145.5	152.0	173.3	206.0	232.1	261.6	418.5	868.1	1201.6	1296.4	1448.4
80°	116.1	119.3	139.0	165.1	184.7	206.0	307.3	575.4	812.5	930.2	1044.6
82.5°	88.3	91.5	106.3	127.5	143.9	158.6	219.1	379.3	546.0	604.9	668.6
85°	63.8	63.8	78.5	96.5	111.2	125.9	160.2	246.9	333.5	367.8	412.0
87.5°	42.5	44.1	53.9	70.3	86.6	98.1	117.7	161.8	212.5	224.0	253.4
90°	29.4	31.1	37.6	50.7	65.4	76.8	88.3	111.2	134.1	145.5	166.7
92.5°	21.3	22.9	29.4	37.6	50.7	62.1	70.3	80.1	94.8	103.0	114.4
95°	16.3	18.0	22.9	31.1	40.9	50.7	57.2	62.1	71.9	76.8	85.0
97.5°	14.7	14.7	19.6	26.2	34.3	42.5	47.4	50.7	57.2	60.5	67.0
100°	13.1	13.1	16.3	22.9	29.4	36.0	39.2	40.9	45.8	47.4	52.3
102.5°	11.4	11.4	14.7	19.6	26.2	31.1	34.3	34.3	37.6	37.6	40.9
105°	9.8	9.8	13.1	18.0	22.9	27.8	29.4	29.4	29.4	31.1	31.1
107.5°	9.8	9.8	11.4	16.3	19.6	24.5	26.2	24.5	24.5	24.5	24.5
110°	8.2	8.2	11.4	14.7	18.0	21.3	21.3	21.3	19.6	19.6	19.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.2	8.2	9.8	13.1	16.3	18.0	19.6	18.0	16.3	16.3	16.3
115°	8.2	8.2	9.8	11.4	14.7	16.3	16.3	14.7	13.1	13.1	13.1
117.5°	6.5	8.2	8.2	11.4	13.1	14.7	14.7	13.1	11.4	11.4	11.4
120°	6.5	6.5	8.2	9.8	11.4	13.1	13.1	11.4	9.8	9.8	11.4
122.5°	6.5	6.5	8.2	9.8	11.4	11.4	11.4	9.8	9.8	9.8	9.8
125°	6.5	6.5	6.5	8.2	9.8	11.4	9.8	9.8	8.2	8.2	9.8
127.5°	6.5	6.5	6.5	8.2	9.8	9.8	9.8	8.2	8.2	8.2	8.2
130°	6.5	6.5	6.5	6.5	8.2	8.2	8.2	8.2	6.5	6.5	8.2
132.5°	6.5	6.5	6.5	6.5	8.2	8.2	8.2	6.5	6.5	6.5	6.5
135°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.9	6.5	6.5
137.5°	6.5	6.5	4.9	6.5	6.5	6.5	6.5	4.9	4.9	4.9	6.5
140°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3	3.3	4.9	4.9
145°	4.9	4.9	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3
147.5°	4.9	4.9	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
150°	3.3	3.3	3.3	3.3	3.3	1.6	1.6	1.6	1.6	1.6	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°	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
2.5°	94.8	93.2	91.5	89.9	89.9	88.3	88.3	86.6	86.6	86.6	86.6
5°	101.4	99.7	96.5	93.2	89.9	88.3	85.0	83.4	83.4	81.7	81.7
7.5°	116.1	111.2	106.3	101.4	96.5	91.5	88.3	85.0	83.4	83.4	83.4
10°	134.1	130.8	121.0	114.4	107.9	101.4	96.5	91.5	88.3	88.3	86.6
12.5°	161.8	156.9	143.9	135.7	124.2	114.4	107.9	101.4	98.1	96.5	96.5
15°	194.5	188.0	176.6	160.2	145.5	132.4	122.6	117.7	114.4	112.8	112.8
17.5°	238.7	228.9	210.9	191.3	171.7	153.7	143.9	135.7	130.8	132.4	132.4
20°	291.0	279.5	255.0	228.9	201.1	181.5	165.1	156.9	153.7	153.7	153.7
22.5°	348.2	335.1	309.0	273.0	237.0	209.3	188.0	178.2	178.2	178.2	178.2
25°	423.4	400.5	367.8	320.4	273.0	233.8	210.9	202.7	202.7	204.3	206.0
27.5°	495.3	480.6	431.6	371.1	310.6	259.9	230.5	222.3	227.2	230.5	232.1
30°	586.9	560.7	501.9	423.4	344.9	281.2	248.5	241.9	250.1	255.0	256.7
32.5°	688.2	652.3	577.1	480.6	376.0	297.5	261.6	258.3	266.5	274.6	274.6
35°	791.2	748.7	653.9	536.2	400.5	307.3	269.7	269.7	279.5	287.7	287.7
37.5°	904.0	846.8	737.3	583.6	420.1	312.2	274.6	276.3	287.7	292.6	294.3
40°	1023.4	958.0	815.7	627.8	429.9	310.6	276.3	281.2	289.4	294.3	294.3
42.5°	1147.6	1074.0	900.8	660.4	431.6	307.3	274.6	281.2	289.4	291.0	291.0
45°	1288.2	1201.6	982.5	685.0	425.0	300.8	273.0	281.2	286.1	284.4	284.4
47.5°	1443.5	1337.2	1061.0	704.6	412.0	292.6	271.4	281.2	282.8	279.5	277.9
50°	1618.4	1487.6	1152.5	712.8	397.2	284.4	269.7	279.5	279.5	273.0	273.0
52.5°	1799.9	1660.9	1245.7	714.4	379.3	276.3	269.7	279.5	277.9	268.1	268.1
55°	1966.6	1830.9	1345.4	712.8	359.6	266.5	266.5	279.5	276.3	266.5	266.5
57.5°	2180.8	2012.4	1428.8	699.7	338.4	259.9	264.8	279.5	274.6	264.8	264.8
60°	2341.0	2179.1	1494.2	681.7	318.8	250.1	261.6	277.9	273.0	264.8	264.8
62.5°	2486.5	2316.5	1526.9	650.6	295.9	241.9	256.7	274.6	273.0	266.5	264.8
65°	2560.0	2375.3	1513.8	603.2	274.6	232.1	251.8	271.4	269.7	264.8	264.8
67.5°	2542.1	2352.4	1440.2	542.7	253.4	222.3	243.6	261.6	263.2	261.6	261.6
70°	2409.6	2200.4	1301.3	467.5	233.8	209.3	233.8	251.8	253.4	253.4	255.0
72.5°	2151.4	1943.7	1121.5	397.2	212.5	196.2	219.1	237.0	240.3	241.9	240.3
75°	1808.1	1597.2	897.5	328.6	192.9	181.5	202.7	219.1	224.0	224.0	224.0
77.5°	1391.2	1221.2	676.8	263.2	173.3	165.1	184.7	199.4	202.7	204.3	202.7
80°	987.4	861.5	477.4	212.5	153.7	148.8	163.5	174.9	178.2	181.5	179.8
82.5°	644.1	575.4	335.1	168.4	132.4	129.1	142.2	150.4	153.7	153.7	152.0
85°	390.7	358.0	220.7	134.1	112.8	109.5	119.3	124.2	125.9	125.9	125.9
87.5°	243.6	220.7	155.3	107.9	94.8	93.2	98.1	99.7	104.6	103.0	101.4
90°	156.9	147.1	114.4	85.0	76.8	76.8	80.1	80.1	83.4	83.4	80.1
92.5°	112.8	107.9	88.3	70.3	63.8	65.4	67.0	65.4	67.0	67.0	67.0
95°	86.6	83.4	73.6	60.5	53.9	55.6	53.9	53.9	55.6	55.6	53.9
97.5°	68.7	68.7	60.5	50.7	47.4	45.8	47.4	45.8	47.4	45.8	44.1
100°	53.9	53.9	50.7	44.1	40.9	39.2	40.9	39.2	40.9	39.2	37.6
102.5°	42.5	44.1	42.5	37.6	36.0	34.3	34.3	34.3	34.3	32.7	32.7
105°	32.7	34.3	36.0	32.7	31.1	29.4	29.4	29.4	29.4	27.8	26.2
107.5°	26.2	27.8	29.4	27.8	27.8	26.2	26.2	26.2	24.5	22.9	22.9
110°	21.3	22.9	24.5	24.5	22.9	22.9	22.9	22.9	21.3	19.6	19.6

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.0	18.0	19.6	21.3	21.3	21.3	21.3	19.6	18.0	18.0	18.0
115°	14.7	16.3	18.0	18.0	18.0	18.0	18.0	16.3	16.3	14.7	14.7
117.5°	13.1	13.1	14.7	16.3	16.3	16.3	16.3	14.7	13.1	13.1	14.7
120°	11.4	11.4	13.1	14.7	14.7	14.7	14.7	13.1	11.4	13.1	13.1
122.5°	11.4	11.4	11.4	13.1	13.1	13.1	13.1	11.4	11.4	11.4	11.4
125°	9.8	9.8	11.4	11.4	11.4	11.4	11.4	9.8	9.8	11.4	11.4
127.5°	9.8	9.8	9.8	9.8	11.4	11.4	9.8	9.8	9.8	9.8	9.8
130°	8.2	8.2	9.8	9.8	9.8	9.8	9.8	8.2	8.2	9.8	9.8
132.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
135°	6.5	6.5	8.2	8.2	8.2	8.2	8.2	6.5	8.2	8.2	8.2
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	8.2	8.2
140°	4.9	4.9	4.9	6.5	6.5	6.5	6.5	4.9	6.5	6.5	6.5
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5
145°	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.9	4.9	4.9
150°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	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)