

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: P695163

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
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-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4330 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G2

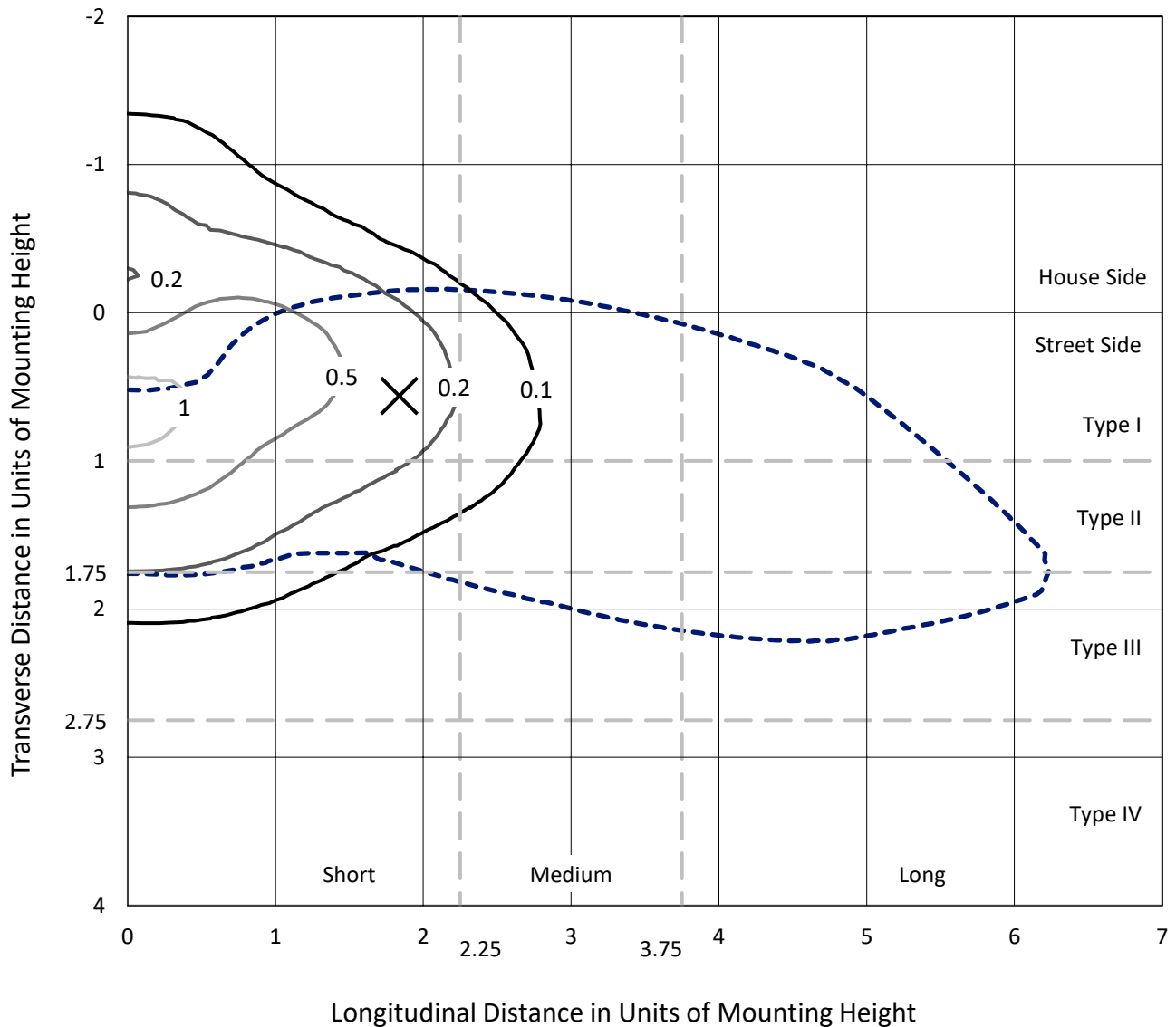
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

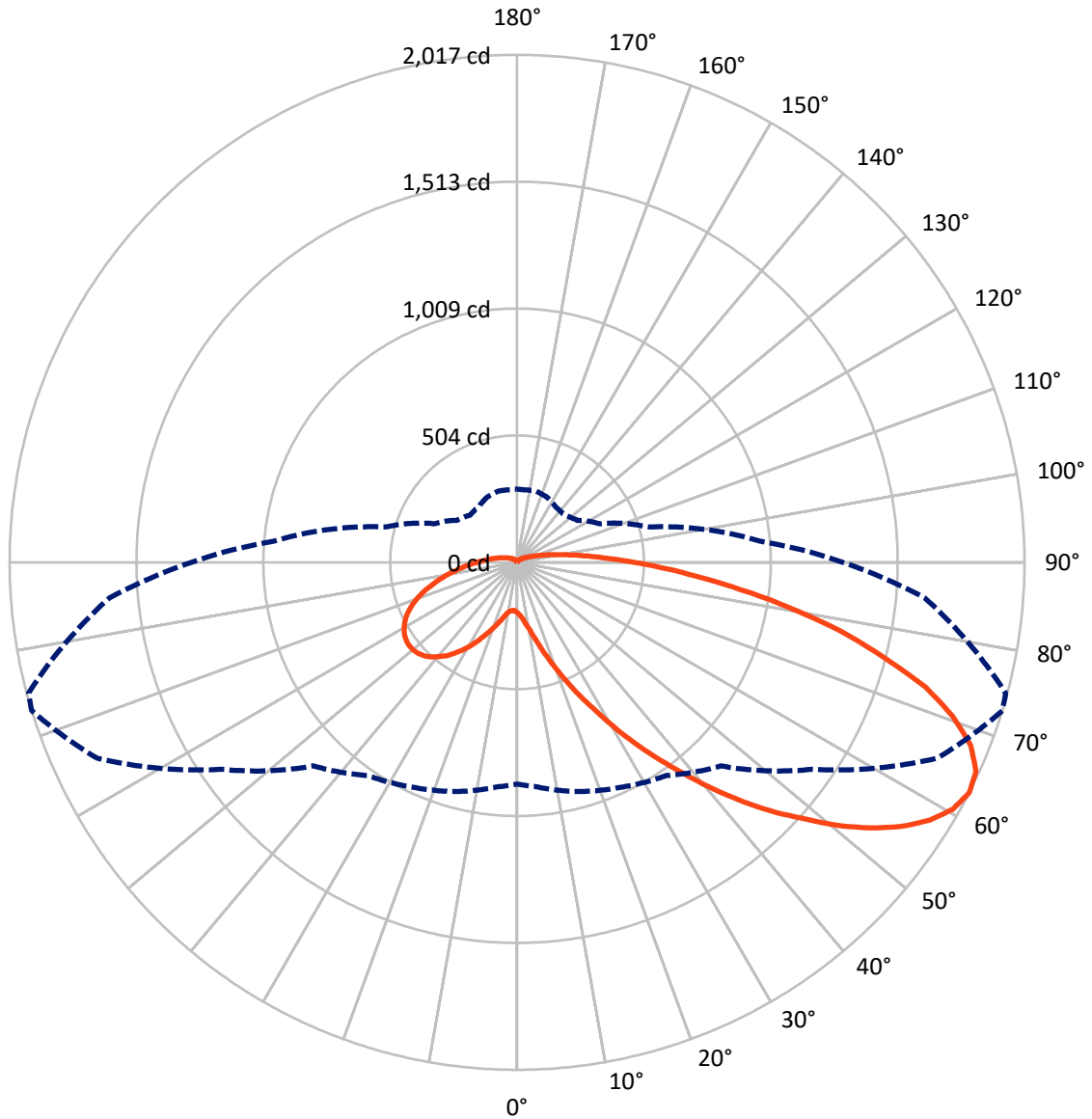
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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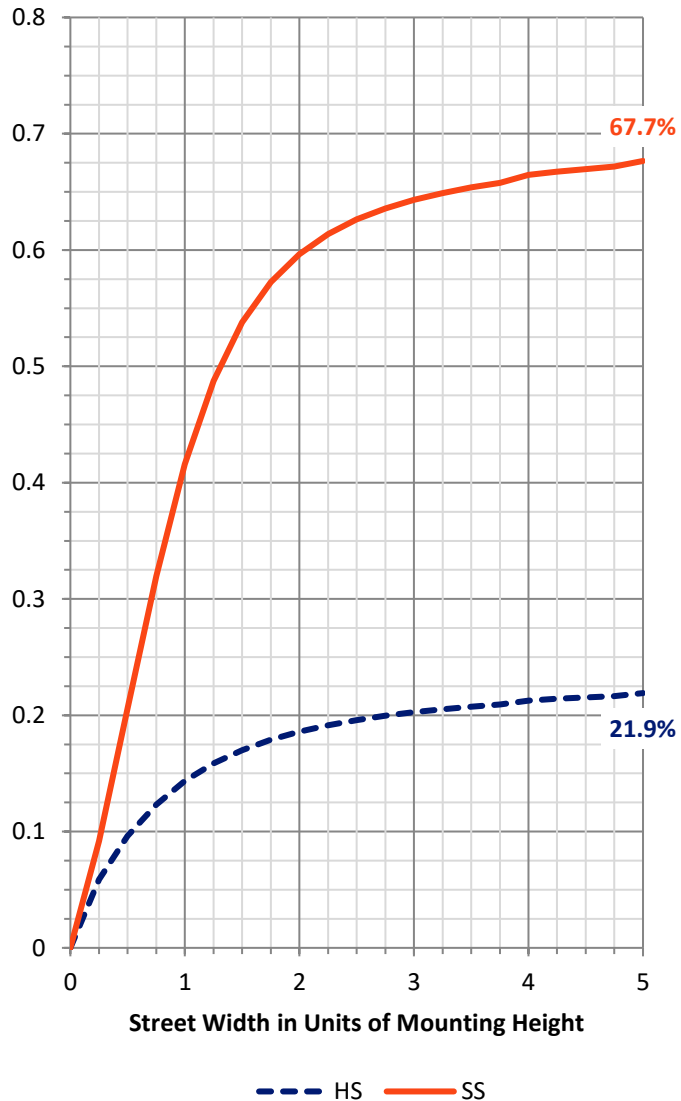
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1001.6	130.9	1132.5
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	3014.5	183.0	3197.4
	% Fixture	69.6	4.2	73.8
Total	Lumens	4016.1	313.9	4330.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.5
10°-20°	88.2	2.0
20°-30°	227.6	5.3
30°-40°	445.8	10.3
40°-50°	681.0	15.7
50°-60°	829.5	19.2
60°-70°	802.1	18.5
70°-80°	592.4	13.7
80°-90°	328.4	7.6
90°-100°	156.0	3.6
100°-110°	76.8	1.8
110°-120°	41.3	1.0
120°-130°	23.0	0.5
130°-140°	12.0	0.3
140°-150°	4.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4016.1	92.7
0°-180°	4330.0	100.0

Coefficient of Utilization



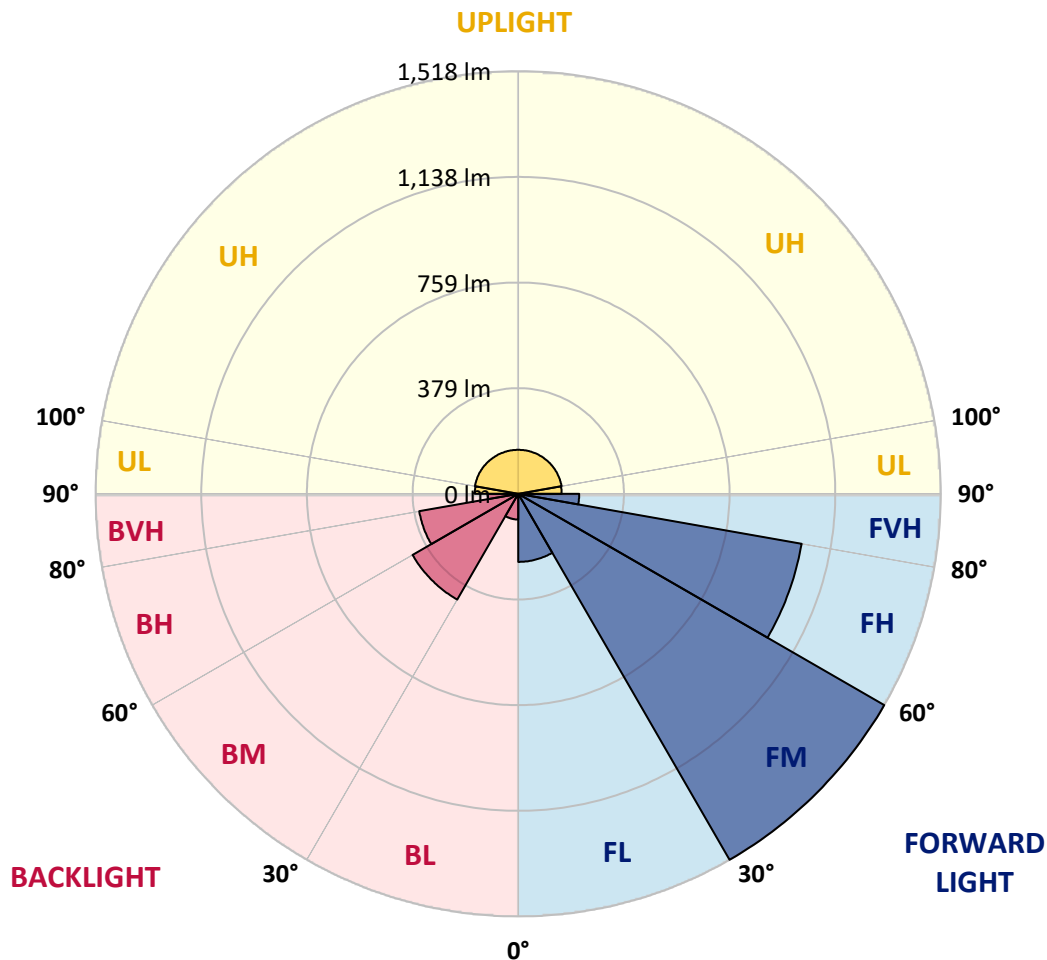
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.5	5.6			
FM (30°-60°)	1517.6	35.0			
FH (60°-80°)	1033.5	23.9			G1/1800
FVH (80°-90°)	218.8	5.1			G2/225
BL (0°-30°)	92.4	2.1	B0/110		
BM (30°-60°)	438.6	10.1	B1/1000		
BH (60°-80°)	361.0	8.3	B1/500		G1/500
BVH (80°-90°)	109.6	2.5			G2/225
UL (90°-100°)	156.0	3.6		U3/500	
UH (100°-180°)	158.0	3.6		U3/500	

BUG Rating: B1-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1
2.5°	227.2	225.6	227.2	225.6	222.3	219.0	215.8	210.9	209.2	207.6	202.7
5°	264.8	266.4	264.8	258.3	255.0	248.5	241.9	232.1	223.9	222.3	212.5
7.5°	310.6	308.9	307.3	302.4	294.2	282.8	271.3	258.3	246.8	243.6	227.2
10°	364.5	359.6	361.2	349.8	340.0	325.3	310.6	291.0	271.3	268.1	246.8
12.5°	426.6	425.0	421.7	407.0	392.3	376.0	353.1	328.6	307.3	300.8	274.6
15°	501.8	495.3	492.0	475.7	456.1	434.8	407.0	377.6	351.4	346.5	308.9
17.5°	585.2	577.0	567.2	546.0	526.3	498.6	465.9	433.2	402.1	395.6	348.2
20°	671.8	668.6	657.1	631.0	601.5	572.1	536.2	496.9	457.7	449.5	395.6
22.5°	776.4	773.2	753.6	720.9	684.9	650.6	609.7	567.2	523.1	510.0	446.2
25°	890.9	881.1	858.2	817.3	776.4	729.0	688.2	642.4	595.0	578.7	505.1
27.5°	1006.9	998.7	967.7	921.9	866.3	814.0	768.3	724.1	668.6	660.4	565.6
30°	1121.3	1121.3	1080.5	1028.2	954.6	895.8	851.6	810.8	760.1	748.7	639.1
32.5°	1235.8	1232.5	1198.2	1127.9	1046.1	977.5	935.0	900.7	854.9	833.7	719.2
35°	1342.0	1340.4	1294.6	1219.4	1129.5	1057.6	1021.6	998.7	953.0	935.0	799.3
37.5°	1440.1	1433.6	1382.9	1306.1	1196.5	1126.2	1105.0	1103.4	1057.6	1034.7	884.3
40°	1507.1	1502.2	1458.1	1371.4	1258.6	1190.0	1188.4	1206.3	1173.6	1149.1	972.6
42.5°	1548.0	1541.4	1505.5	1420.5	1307.7	1243.9	1263.6	1309.3	1291.3	1263.6	1062.5
45°	1557.8	1552.9	1523.5	1445.0	1340.4	1288.1	1330.6	1412.3	1409.0	1382.9	1150.8
47.5°	1533.3	1533.3	1513.6	1448.3	1353.5	1317.5	1396.0	1512.0	1518.6	1505.5	1243.9
50°	1485.9	1482.6	1477.7	1425.4	1348.6	1333.8	1446.6	1613.4	1642.8	1623.2	1340.4
52.5°	1405.8	1404.1	1409.0	1379.6	1324.0	1332.2	1482.6	1700.0	1753.9	1736.0	1422.1
55°	1299.5	1296.2	1317.5	1309.3	1276.6	1312.6	1500.6	1770.3	1853.6	1837.3	1502.2
57.5°	1172.0	1165.5	1206.3	1221.1	1211.2	1275.0	1500.6	1819.3	1933.7	1919.0	1564.3
60°	1024.9	1029.8	1072.3	1113.2	1124.6	1217.8	1476.1	1843.8	1991.0	1981.1	1605.2
62.5°	881.1	895.8	943.2	985.7	1034.7	1144.2	1433.6	1842.2	2017.1	2010.6	1626.4
65°	743.7	760.1	807.5	866.3	926.8	1057.6	1368.2	1803.0	2004.0	2000.8	1616.6
67.5°	616.2	627.7	676.7	745.4	817.3	961.2	1276.6	1729.4	1945.2	1946.8	1570.9
70°	506.7	513.3	565.6	634.2	707.8	853.3	1167.1	1613.4	1837.3	1842.2	1484.2
72.5°	416.8	428.3	467.5	531.2	609.7	755.2	1051.1	1472.8	1698.4	1696.7	1368.2
75°	340.0	346.5	387.4	444.6	513.3	650.6	925.2	1304.4	1502.2	1515.3	1217.8
77.5°	274.6	279.5	320.4	371.1	438.1	559.0	796.1	1129.5	1314.2	1311.0	1059.2
80°	222.3	228.8	263.2	308.9	369.4	475.7	673.5	946.4	1101.7	1105.0	881.1
82.5°	178.2	184.7	215.8	256.6	315.5	398.8	565.6	792.8	897.4	897.4	727.4
85°	142.2	148.7	178.2	214.1	261.5	338.4	464.2	634.2	716.0	720.9	588.5
87.5°	116.1	119.3	145.5	179.8	220.7	284.4	382.5	501.8	567.2	560.7	462.6
90°	93.2	96.4	119.3	148.7	186.3	238.7	312.2	405.4	439.7	438.1	361.2
92.5°	76.8	78.5	99.7	127.5	158.6	201.1	256.6	315.5	341.6	340.0	286.1
95°	63.7	65.4	85.0	107.9	135.7	170.0	209.2	253.4	269.7	266.4	223.9
97.5°	53.9	53.9	71.9	93.2	117.7	143.8	174.9	202.7	210.9	209.2	179.8
100°	45.8	45.8	60.5	81.7	103.0	124.2	145.5	161.8	165.1	166.7	142.2
102.5°	39.2	40.9	53.9	71.9	88.3	106.2	121.0	132.4	132.4	130.8	112.8
105°	36.0	36.0	45.8	62.1	78.5	91.5	103.0	109.5	106.2	103.0	89.9
107.5°	31.1	31.1	40.9	55.6	68.7	80.1	88.3	89.9	85.0	83.4	75.2
110°	27.8	29.4	36.0	49.0	62.1	70.3	75.2	75.2	70.3	68.7	62.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	26.2	26.2	32.7	44.1	53.9	62.1	65.4	63.7	58.8	57.2	52.3
115°	24.5	24.5	29.4	39.2	49.0	55.6	57.2	53.9	49.0	47.4	44.1
117.5°	22.9	22.9	26.2	34.3	44.1	49.0	50.7	45.8	40.9	40.9	39.2
120°	21.2	21.2	24.5	31.1	39.2	44.1	44.1	39.2	36.0	34.3	34.3
122.5°	21.2	21.2	22.9	27.8	34.3	37.6	39.2	34.3	31.1	29.4	29.4
125°	19.6	19.6	21.2	24.5	31.1	34.3	32.7	29.4	26.2	26.2	26.2
127.5°	19.6	19.6	19.6	22.9	26.2	29.4	29.4	26.2	22.9	22.9	24.5
130°	18.0	18.0	18.0	19.6	22.9	26.2	24.5	21.2	19.6	19.6	21.2
132.5°	18.0	18.0	18.0	18.0	19.6	22.9	21.2	18.0	18.0	18.0	18.0
135°	16.3	16.3	16.3	16.3	18.0	18.0	18.0	16.3	14.7	16.3	16.3
137.5°	14.7	14.7	14.7	14.7	14.7	14.7	14.7	13.1	13.1	13.1	14.7
140°	13.1	13.1	13.1	13.1	11.4	11.4	11.4	9.8	11.4	11.4	13.1
142.5°	13.1	13.1	11.4	11.4	9.8	9.8	8.2	8.2	9.8	9.8	9.8
145°	11.4	11.4	9.8	8.2	6.5	6.5	6.5	6.5	6.5	8.2	8.2
147.5°	8.2	8.2	8.2	6.5	4.9	3.3	3.3	4.9	4.9	4.9	6.5
150°	6.5	6.5	6.5	4.9	3.3	1.6	1.6	3.3	3.3	3.3	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1	201.1
2.5°	201.1	199.4	194.5	191.2	188.0	186.3	183.1	181.4	181.4	179.8	181.4
5°	207.6	202.7	192.9	184.7	176.5	170.0	165.1	161.8	160.2	158.6	156.9
7.5°	219.0	210.9	196.2	183.1	170.0	160.2	152.0	147.1	143.8	140.6	140.6
10°	235.4	223.9	202.7	184.7	168.4	155.3	143.8	137.3	134.0	130.8	130.8
12.5°	259.9	245.2	217.4	189.6	170.0	153.7	142.2	134.0	130.8	129.1	127.5
15°	291.0	273.0	237.0	204.3	176.5	155.3	143.8	140.6	137.3	135.7	135.7
17.5°	326.9	302.4	258.3	219.0	188.0	165.1	153.7	148.7	147.1	145.5	143.8
20°	366.2	338.4	282.8	235.4	201.1	181.4	165.1	160.2	158.6	156.9	156.9
22.5°	413.6	376.0	308.9	253.4	217.4	194.5	179.8	171.6	170.0	170.0	168.4
25°	462.6	421.7	338.4	273.0	233.7	209.2	192.9	184.7	183.1	184.7	184.7
27.5°	519.8	467.5	369.4	294.2	250.1	220.7	206.0	197.8	197.8	201.1	201.1
30°	581.9	514.9	400.5	315.5	264.8	232.1	217.4	212.5	214.1	215.8	217.4
32.5°	642.4	565.6	429.9	336.7	276.2	241.9	228.8	227.2	228.8	232.1	232.1
35°	712.7	622.8	459.3	354.7	286.1	250.1	238.7	240.3	243.6	246.8	248.5
37.5°	783.0	673.5	488.7	367.8	294.2	258.3	248.5	251.7	255.0	261.5	261.5
40°	850.0	725.8	511.6	379.2	300.8	263.2	255.0	261.5	268.1	271.3	271.3
42.5°	920.3	778.1	536.2	387.4	305.7	268.1	261.5	271.3	277.9	279.5	279.5
45°	992.2	822.2	554.1	393.9	308.9	271.3	266.4	276.2	284.4	286.1	286.1
47.5°	1056.0	863.1	567.2	395.6	308.9	273.0	269.7	281.2	289.3	289.3	289.3
50°	1123.0	903.9	575.4	397.2	310.6	274.6	271.3	284.4	292.6	291.0	292.6
52.5°	1180.2	936.6	578.7	393.9	308.9	273.0	273.0	287.7	295.9	292.6	292.6
55°	1230.9	961.2	577.0	389.0	305.7	273.0	273.0	287.7	295.9	292.6	292.6
57.5°	1268.5	975.9	570.5	382.5	302.4	271.3	273.0	287.7	295.9	292.6	292.6
60°	1291.3	977.5	557.4	374.3	297.5	268.1	269.7	286.1	294.2	291.0	291.0
62.5°	1294.6	969.3	541.1	362.9	291.0	264.8	268.1	284.4	292.6	289.3	291.0
65°	1276.6	944.8	519.8	349.8	284.4	259.9	264.8	281.2	289.3	287.7	287.7
67.5°	1230.9	902.3	490.4	333.5	274.6	253.4	259.9	274.6	286.1	282.8	282.8
70°	1157.3	843.5	459.3	315.5	261.5	245.2	251.7	268.1	277.9	276.2	276.2
72.5°	1060.9	773.2	421.7	294.2	248.5	235.4	243.6	258.3	266.4	266.4	264.8
75°	944.8	694.7	380.9	271.3	233.7	223.9	233.7	245.2	251.7	250.1	248.5
77.5°	820.6	609.7	341.6	248.5	217.4	210.9	219.0	232.1	235.4	233.7	230.5
80°	694.7	523.1	302.4	223.9	199.4	194.5	202.7	212.5	215.8	210.9	209.2
82.5°	580.3	436.4	263.2	201.1	181.4	178.2	186.3	192.9	192.9	189.6	184.7
85°	469.1	367.8	230.5	178.2	163.5	161.8	168.4	171.6	170.0	165.1	160.2
87.5°	377.6	300.8	197.8	158.6	145.5	143.8	148.7	150.4	147.1	140.6	137.3
90°	305.7	246.8	170.0	140.6	129.1	129.1	130.8	130.8	125.9	117.7	114.4
92.5°	243.6	202.7	147.1	122.6	116.1	112.8	114.4	112.8	106.2	101.3	96.4
95°	196.2	166.7	127.5	109.5	103.0	99.7	101.3	98.1	89.9	83.4	80.1
97.5°	158.6	137.3	109.5	96.4	91.5	88.3	88.3	83.4	78.5	70.3	67.0
100°	127.5	112.8	94.8	85.0	80.1	78.5	76.8	73.6	67.0	58.8	57.2
102.5°	103.0	94.8	81.7	75.2	71.9	70.3	68.7	63.7	57.2	49.0	49.0
105°	85.0	80.1	71.9	67.0	63.7	62.1	60.5	55.6	49.0	42.5	42.5
107.5°	70.3	67.0	62.1	58.8	57.2	55.6	53.9	49.0	42.5	36.0	37.6
110°	60.5	57.2	53.9	52.3	52.3	50.7	47.4	44.1	37.6	32.7	32.7

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	50.7	49.0	47.4	47.4	45.8	44.1	42.5	37.6	32.7	29.4	29.4
115°	44.1	42.5	42.5	42.5	40.9	40.9	37.6	34.3	27.8	26.2	26.2
117.5°	37.6	37.6	37.6	37.6	37.6	36.0	34.3	29.4	24.5	22.9	22.9
120°	34.3	34.3	32.7	32.7	32.7	32.7	29.4	26.2	21.2	21.2	21.2
122.5°	29.4	29.4	29.4	29.4	29.4	27.8	26.2	22.9	19.6	19.6	19.6
125°	26.2	26.2	26.2	27.8	26.2	26.2	22.9	19.6	16.3	18.0	18.0
127.5°	24.5	24.5	24.5	22.9	22.9	22.9	19.6	16.3	14.7	16.3	16.3
130°	21.2	21.2	21.2	21.2	21.2	19.6	18.0	14.7	13.1	14.7	14.7
132.5°	19.6	19.6	19.6	18.0	18.0	16.3	14.7	13.1	11.4	13.1	13.1
135°	16.3	16.3	16.3	16.3	14.7	14.7	13.1	9.8	11.4	11.4	11.4
137.5°	14.7	14.7	14.7	13.1	13.1	11.4	9.8	8.2	9.8	9.8	9.8
140°	13.1	13.1	13.1	11.4	9.8	9.8	8.2	8.2	8.2	9.8	9.8
142.5°	9.8	9.8	9.8	9.8	8.2	6.5	6.5	6.5	8.2	8.2	8.2
145°	8.2	8.2	8.2	6.5	6.5	4.9	4.9	4.9	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	4.9	4.9	3.3	3.3	4.9	6.5	6.5	6.5
150°	4.9	4.9	4.9	3.3	3.3	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)