

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: P695174

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4489 lumens
Efficiency: N/A
Efficacy: 111.7 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

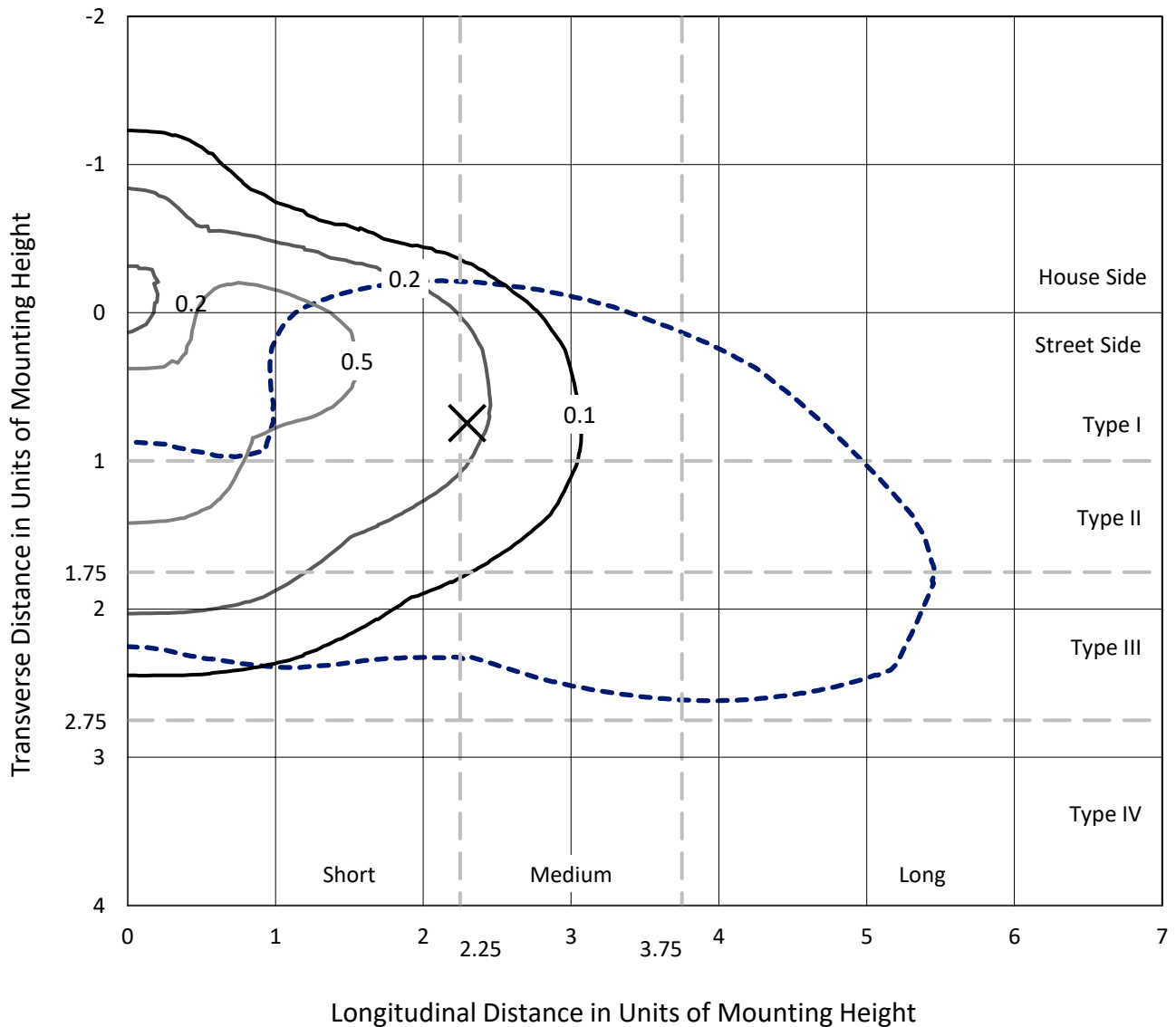
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

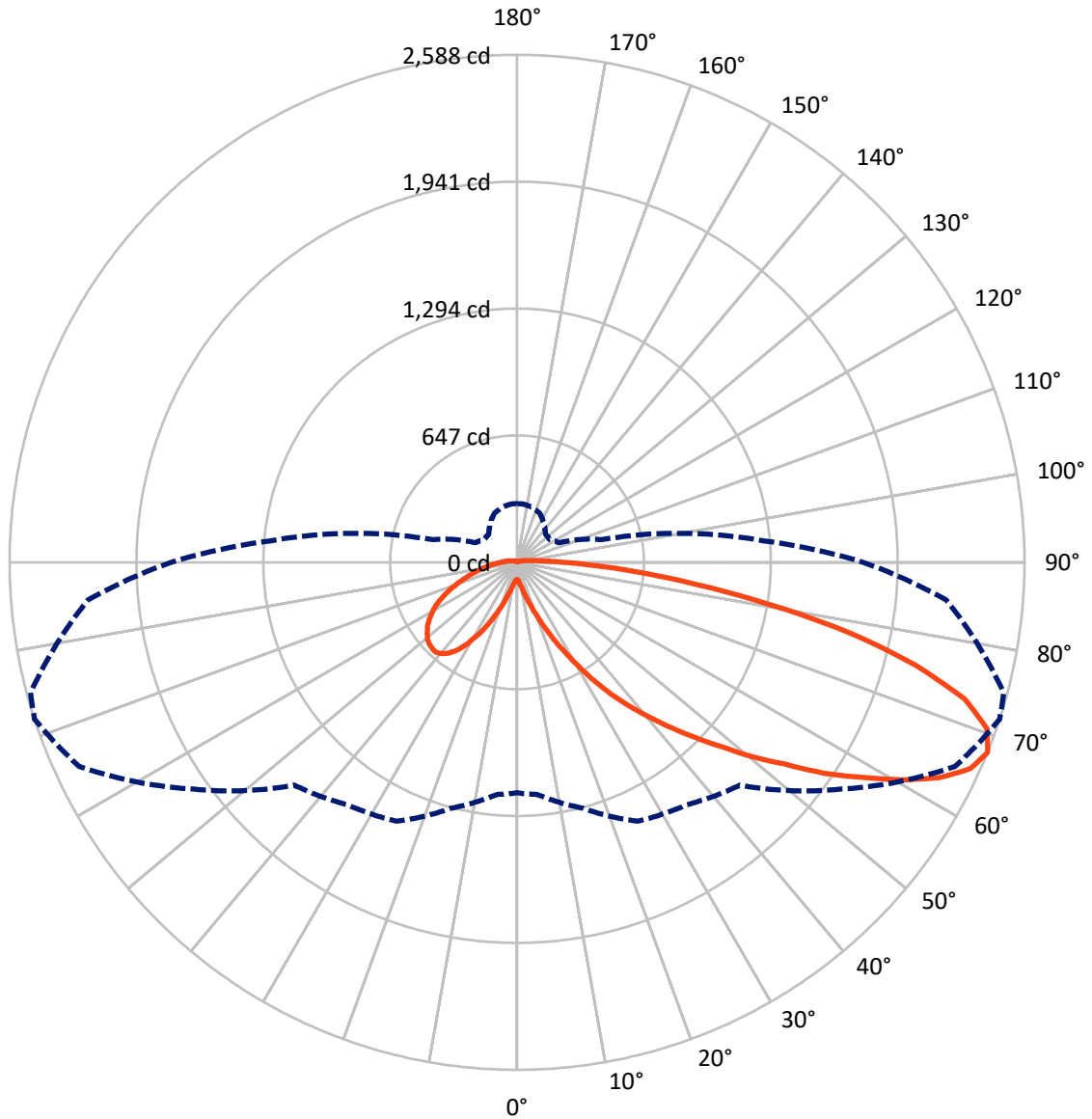
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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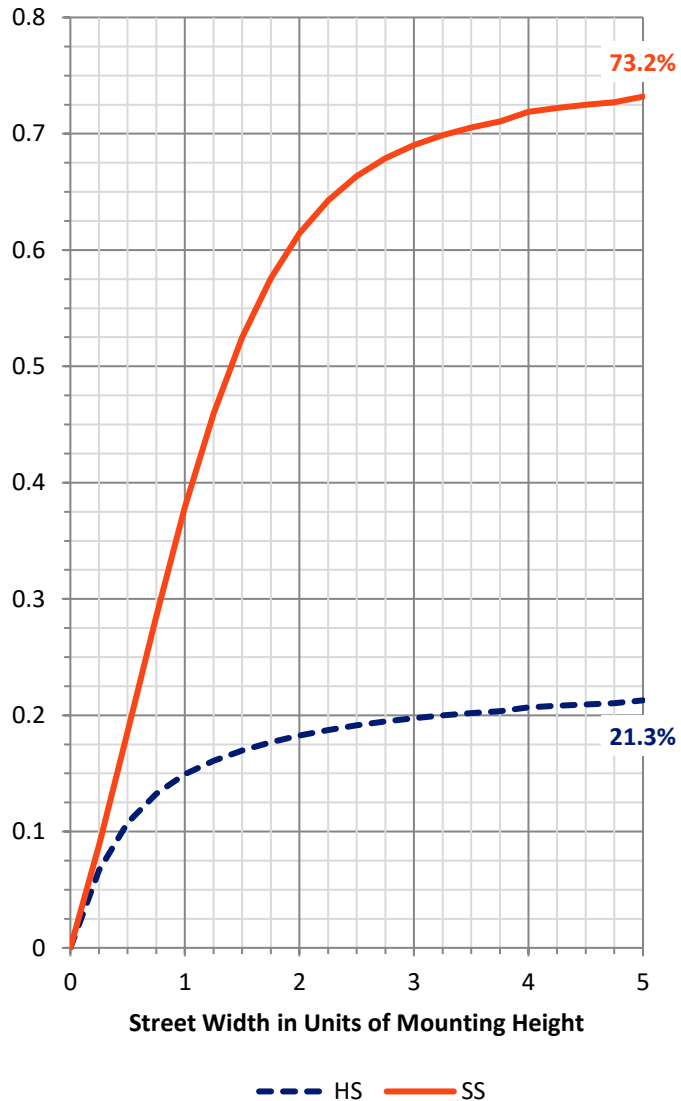
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1002.7	75.3	1078.0
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	3341.6	69.4	3411.0
	% Fixture	74.4	1.5	76.0
Total	Lumens	4344.3	144.6	4489.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.2
10°-20°	52.9	1.2
20°-30°	169.9	3.8
30°-40°	380.0	8.5
40°-50°	633.5	14.1
50°-60°	922.1	20.5
60°-70°	1105.2	24.6
70°-80°	793.4	17.7
80°-90°	277.2	6.2
90°-100°	75.9	1.7
100°-110°	32.5	0.7
110°-120°	16.8	0.4
120°-130°	9.9	0.2
130°-140°	6.1	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4344.3	96.8
0°-180°	4489.0	100.0

Coefficient of Utilization

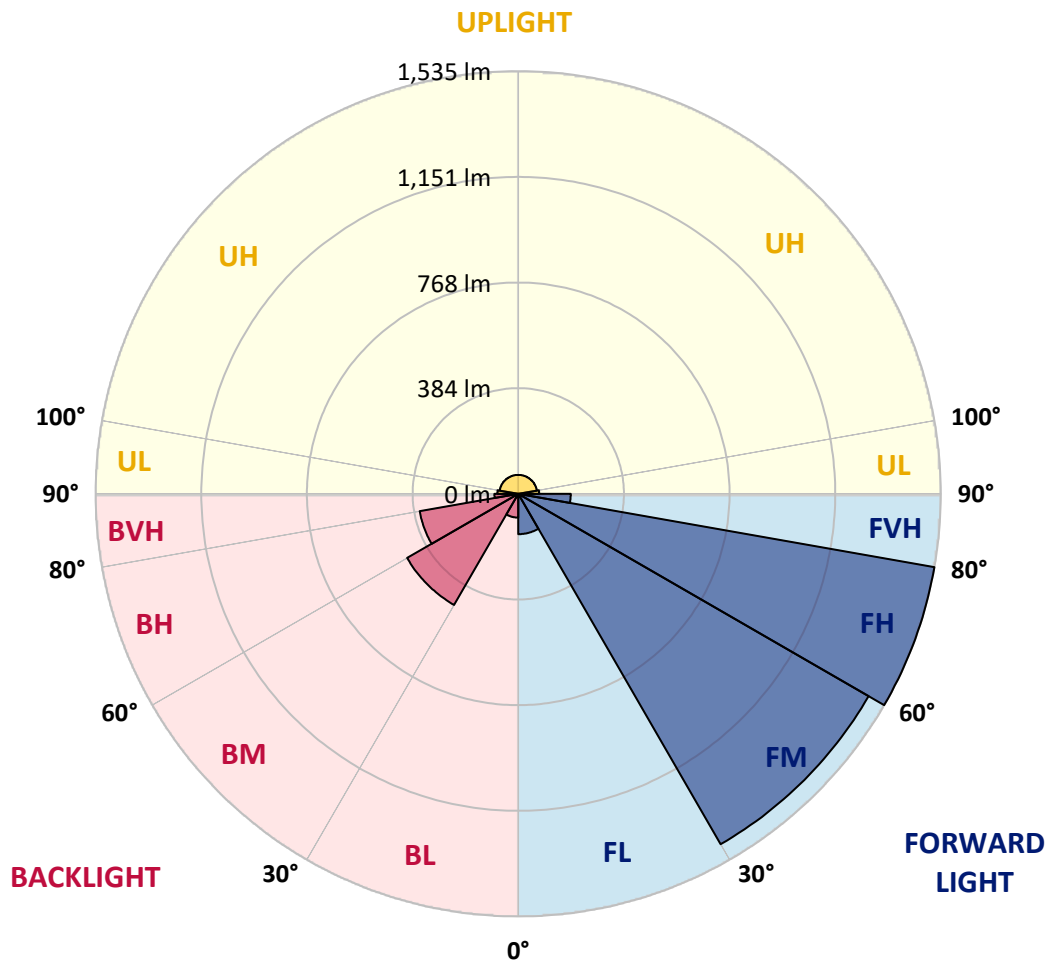


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.5	3.3			
FM (30°-60°)	1469.6	32.7			
FH (60°-80°)	1535.0	34.2			G1/1800
FVH (80°-90°)	190.6	4.2			G2/225
BL (0°-30°)	86.5	1.9	B0/110		
BM (30°-60°)	466.0	10.4	B1/1000		
BH (60°-80°)	363.6	8.1	B1/500		G1/500
BVH (80°-90°)	86.6	1.9			G1/100
UL (90°-100°)	75.9	1.7		U3/500	
UH (100°-180°)	68.7	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°	72°	75°	85°
0°	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
2.5°	93.2	93.2	93.2	94.8	93.2	93.2	93.2	91.5	91.5	91.5	89.9
5°	107.9	107.9	106.3	106.3	104.6	104.6	103.0	101.4	99.7	98.1	96.5
7.5°	125.9	125.9	124.2	124.2	122.6	119.3	117.7	114.4	112.8	111.2	109.5
10°	153.7	152.0	152.0	150.4	147.1	143.9	140.6	135.7	132.4	130.8	127.5
12.5°	189.6	188.0	186.4	179.8	176.6	171.7	166.7	163.5	160.2	156.9	152.0
15°	235.4	233.8	228.9	224.0	212.5	207.6	201.1	199.4	196.2	194.5	186.4
17.5°	291.0	286.1	282.8	271.4	259.9	248.5	245.2	241.9	240.3	238.7	233.8
20°	359.6	354.7	348.2	327.0	313.9	300.8	292.6	294.3	292.6	292.6	287.7
22.5°	443.0	444.7	426.7	398.9	369.5	353.1	349.8	354.7	358.0	361.3	351.5
25°	544.4	542.7	515.0	477.4	439.8	416.9	413.6	423.4	434.8	441.4	433.2
27.5°	657.2	649.0	621.2	565.6	518.2	483.9	485.5	506.8	518.2	523.1	516.6
30°	774.9	771.6	730.7	663.7	595.1	552.6	559.1	590.2	611.4	622.8	606.5
32.5°	902.4	892.6	845.2	766.7	676.8	624.5	639.2	683.3	717.7	719.3	711.1
35°	1023.4	1023.4	967.8	873.0	761.8	699.7	717.7	789.6	823.9	833.7	815.7
37.5°	1142.7	1134.5	1087.1	969.4	846.8	773.2	797.8	882.8	930.2	940.0	917.1
40°	1242.4	1240.8	1186.8	1075.7	923.6	845.2	877.9	982.5	1038.1	1054.4	1016.8
42.5°	1343.8	1337.2	1294.7	1168.9	1015.2	918.7	962.9	1090.4	1152.5	1162.3	1123.1
45°	1419.0	1414.1	1383.0	1266.9	1101.8	997.2	1052.8	1198.3	1275.1	1284.9	1224.4
47.5°	1490.9	1490.9	1464.8	1368.3	1191.7	1085.5	1155.8	1325.8	1405.9	1422.2	1353.6
50°	1561.2	1554.7	1548.1	1464.8	1283.3	1183.6	1257.1	1459.8	1559.6	1575.9	1481.1
52.5°	1602.1	1611.9	1620.1	1562.8	1386.3	1276.8	1379.7	1605.3	1710.0	1732.9	1629.9
55°	1639.7	1634.8	1672.4	1634.8	1474.6	1379.7	1517.1	1772.1	1898.0	1906.1	1790.1
57.5°	1638.0	1642.9	1698.5	1701.8	1561.2	1474.6	1646.2	1937.2	2068.0	2095.8	1937.2
60°	1598.8	1611.9	1683.8	1718.1	1629.9	1559.6	1780.3	2110.5	2252.7	2280.5	2082.7
62.5°	1518.7	1523.6	1626.6	1701.8	1649.5	1625.0	1899.6	2270.7	2417.8	2416.2	2193.9
65°	1368.3	1376.5	1486.0	1608.6	1613.5	1641.3	1981.3	2401.5	2538.8	2529.0	2229.8
67.5°	1175.4	1188.5	1298.0	1456.6	1508.9	1607.0	2015.7	2463.6	2587.8	2568.2	2195.5
70°	933.5	966.1	1052.8	1219.5	1353.6	1497.4	1969.9	2447.2	2542.1	2515.9	2054.9
72.5°	686.6	701.3	792.9	956.3	1121.5	1335.6	1821.1	2311.6	2388.4	2326.3	1834.2
75°	482.3	487.2	564.0	704.6	882.8	1114.9	1597.2	2048.4	2102.3	2041.8	1530.1
77.5°	297.5	307.3	367.8	483.9	649.0	889.3	1299.6	1706.7	1741.0	1662.6	1193.4
80°	183.1	189.6	232.1	320.4	451.2	649.0	1005.4	1296.4	1307.8	1253.9	853.3
82.5°	117.7	124.2	152.0	206.0	300.8	452.8	707.9	923.6	917.1	859.9	575.4
85°	76.8	81.7	99.7	137.3	199.4	312.2	472.4	613.0	598.3	555.8	374.4
87.5°	50.7	53.9	70.3	96.5	137.3	207.6	304.1	371.1	362.9	335.1	233.8
90°	34.3	36.0	49.0	67.0	96.5	142.2	196.2	224.0	209.3	197.8	152.0
92.5°	24.5	27.8	36.0	50.7	73.6	101.4	127.5	139.0	130.8	125.9	103.0
95°	19.6	19.6	29.4	40.9	57.2	76.8	89.9	89.9	85.0	83.4	75.2
97.5°	16.3	16.3	24.5	34.3	47.4	60.5	65.4	63.8	60.5	62.1	57.2
100°	13.1	14.7	21.3	29.4	39.2	49.0	50.7	47.4	45.8	45.8	44.1
102.5°	11.4	13.1	19.6	26.2	34.3	40.9	42.5	39.2	36.0	36.0	34.3
105°	11.4	11.4	16.3	22.9	29.4	34.3	34.3	31.1	29.4	27.8	26.2
107.5°	9.8	9.8	14.7	21.3	26.2	29.4	29.4	26.2	22.9	22.9	21.3
110°	8.2	9.8	13.1	18.0	22.9	26.2	26.2	22.9	19.6	18.0	18.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	8.2	8.2	11.4	16.3	19.6	22.9	21.3	18.0	16.3	14.7	14.7
115°	8.2	8.2	9.8	14.7	18.0	19.6	19.6	16.3	13.1	13.1	13.1
117.5°	8.2	8.2	9.8	13.1	16.3	18.0	16.3	14.7	11.4	11.4	11.4
120°	8.2	8.2	9.8	11.4	14.7	16.3	14.7	13.1	9.8	9.8	11.4
122.5°	6.5	8.2	8.2	11.4	13.1	14.7	13.1	11.4	9.8	9.8	9.8
125°	6.5	8.2	8.2	9.8	11.4	13.1	11.4	9.8	8.2	8.2	9.8
127.5°	6.5	6.5	8.2	9.8	11.4	11.4	11.4	9.8	8.2	8.2	9.8
130°	6.5	8.2	8.2	8.2	9.8	11.4	9.8	8.2	8.2	8.2	8.2
132.5°	6.5	6.5	8.2	8.2	9.8	9.8	8.2	8.2	6.5	6.5	8.2
135°	6.5	6.5	6.5	8.2	8.2	8.2	8.2	6.5	6.5	6.5	8.2
137.5°	6.5	6.5	6.5	6.5	8.2	8.2	6.5	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	4.9	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	4.9	6.5	4.9	4.9	4.9	4.9	4.9	6.5
145°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
147.5°	4.9	4.9	4.9	4.9	4.9	4.9	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	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°	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
2.5°	88.3	88.3	88.3	86.6	86.6	86.6	85.0	85.0	85.0	85.0	85.0
5°	96.5	94.8	93.2	91.5	88.3	88.3	86.6	86.6	85.0	85.0	85.0
7.5°	107.9	106.3	103.0	99.7	96.5	93.2	91.5	89.9	88.3	88.3	88.3
10°	124.2	122.6	116.1	111.2	106.3	103.0	99.7	98.1	96.5	94.8	94.8
12.5°	148.8	147.1	139.0	129.1	121.0	114.4	109.5	107.9	106.3	104.6	106.3
15°	183.1	179.8	168.4	152.0	140.6	129.1	124.2	122.6	124.2	124.2	122.6
17.5°	228.9	220.7	202.7	181.5	163.5	148.8	142.2	142.2	142.2	143.9	143.9
20°	281.2	273.0	246.9	217.4	188.0	170.0	161.8	161.8	163.5	165.1	168.4
22.5°	343.3	330.2	295.9	253.4	215.8	191.3	181.5	181.5	186.4	191.3	191.3
25°	420.1	403.8	353.1	291.0	243.6	212.5	199.4	201.1	209.3	214.2	215.8
27.5°	503.5	482.3	415.2	335.1	268.1	228.9	215.8	219.1	228.9	237.0	237.0
30°	598.3	562.4	472.4	372.7	289.4	241.9	228.9	235.4	246.9	256.7	258.3
32.5°	685.0	649.0	537.8	408.7	307.3	250.1	237.0	246.9	259.9	271.4	271.4
35°	781.4	735.6	591.8	436.5	317.1	255.0	241.9	255.0	269.7	279.5	279.5
37.5°	874.6	810.8	634.3	452.8	320.4	255.0	243.6	259.9	273.0	281.2	282.8
40°	959.6	884.4	665.4	457.7	317.1	251.8	243.6	259.9	273.0	277.9	279.5
42.5°	1051.2	946.5	688.2	452.8	309.0	246.9	241.9	258.3	269.7	271.4	273.0
45°	1142.7	1015.2	694.8	436.5	297.5	240.3	237.0	253.4	263.2	263.2	263.2
47.5°	1242.4	1082.2	694.8	416.9	282.8	233.8	233.8	250.1	256.7	255.0	255.0
50°	1347.1	1146.0	689.9	394.0	269.7	227.2	228.9	246.9	253.4	248.5	248.5
52.5°	1456.6	1214.6	673.5	366.2	255.0	220.7	227.2	245.2	251.8	246.9	246.9
55°	1589.0	1281.7	655.5	340.0	241.9	215.8	225.6	245.2	251.8	246.9	246.9
57.5°	1682.2	1340.5	627.8	315.5	232.1	212.5	225.6	248.5	255.0	251.8	251.8
60°	1790.1	1379.7	591.8	291.0	222.3	209.3	228.9	251.8	261.6	261.6	261.6
62.5°	1848.9	1389.6	554.2	269.7	215.8	207.6	232.1	258.3	271.4	273.0	274.6
65°	1848.9	1347.1	501.9	251.8	209.3	206.0	235.4	266.5	282.8	287.7	289.4
67.5°	1765.6	1258.8	446.3	235.4	202.7	204.3	238.7	274.6	291.0	299.2	299.2
70°	1628.2	1119.8	387.4	219.1	196.2	202.7	240.3	277.9	295.9	304.1	304.1
72.5°	1402.6	958.0	331.9	206.0	189.6	199.4	238.7	277.9	294.3	300.8	299.2
75°	1136.2	765.1	277.9	191.3	181.5	191.3	230.5	269.7	282.8	286.1	286.1
77.5°	884.4	583.6	233.8	174.9	170.0	181.5	219.1	253.4	264.8	266.5	264.8
80°	629.4	421.8	196.2	160.2	156.9	166.7	199.4	228.9	238.7	240.3	237.0
82.5°	423.4	302.4	160.2	140.6	140.6	150.4	178.2	201.1	209.3	207.6	206.0
85°	274.6	204.3	130.8	121.0	122.6	132.4	152.0	170.0	174.9	173.3	168.4
87.5°	179.8	143.9	104.6	103.0	104.6	112.8	127.5	137.3	143.9	140.6	139.0
90°	122.6	103.0	85.0	85.0	88.3	94.8	104.6	109.5	111.2	111.2	109.5
92.5°	89.9	80.1	70.3	70.3	75.2	80.1	85.0	86.6	89.9	88.3	86.6
95°	68.7	65.4	58.9	58.9	63.8	68.7	70.3	68.7	71.9	71.9	70.3
97.5°	53.9	53.9	50.7	50.7	53.9	57.2	58.9	57.2	58.9	57.2	57.2
100°	42.5	42.5	44.1	44.1	45.8	49.0	49.0	49.0	49.0	47.4	45.8
102.5°	34.3	36.0	37.6	39.2	40.9	40.9	42.5	40.9	40.9	37.6	37.6
105°	27.8	27.8	31.1	32.7	34.3	36.0	36.0	36.0	34.3	31.1	31.1
107.5°	22.9	24.5	26.2	29.4	29.4	31.1	32.7	31.1	27.8	24.5	26.2
110°	18.0	19.6	22.9	24.5	26.2	27.8	27.8	26.2	22.9	21.3	21.3

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.3	16.3	19.6	21.3	22.9	24.5	24.5	22.9	19.6	18.0	18.0
115°	14.7	14.7	16.3	18.0	19.6	21.3	21.3	19.6	16.3	14.7	14.7
117.5°	13.1	13.1	14.7	16.3	18.0	19.6	18.0	18.0	14.7	13.1	13.1
120°	11.4	13.1	13.1	14.7	16.3	16.3	16.3	14.7	13.1	13.1	13.1
122.5°	11.4	11.4	13.1	13.1	14.7	14.7	14.7	13.1	11.4	11.4	11.4
125°	9.8	11.4	11.4	11.4	13.1	13.1	13.1	11.4	9.8	9.8	9.8
127.5°	9.8	9.8	9.8	11.4	11.4	11.4	11.4	9.8	9.8	9.8	9.8
130°	9.8	9.8	9.8	9.8	9.8	11.4	9.8	9.8	8.2	9.8	9.8
132.5°	8.2	8.2	8.2	9.8	9.8	9.8	9.8	8.2	8.2	8.2	8.2
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	6.5	6.5	6.5	8.2	8.2
140°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
142.5°	6.5	6.5	6.5	4.9	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	4.9	4.9	4.9	4.9	4.9	4.9
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	3.3	3.3	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)