

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: P695179

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4522 lumens
Efficiency: N/A
Efficacy: 112.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type IV - Medium
BUG Rating: B1 - U3 - G3

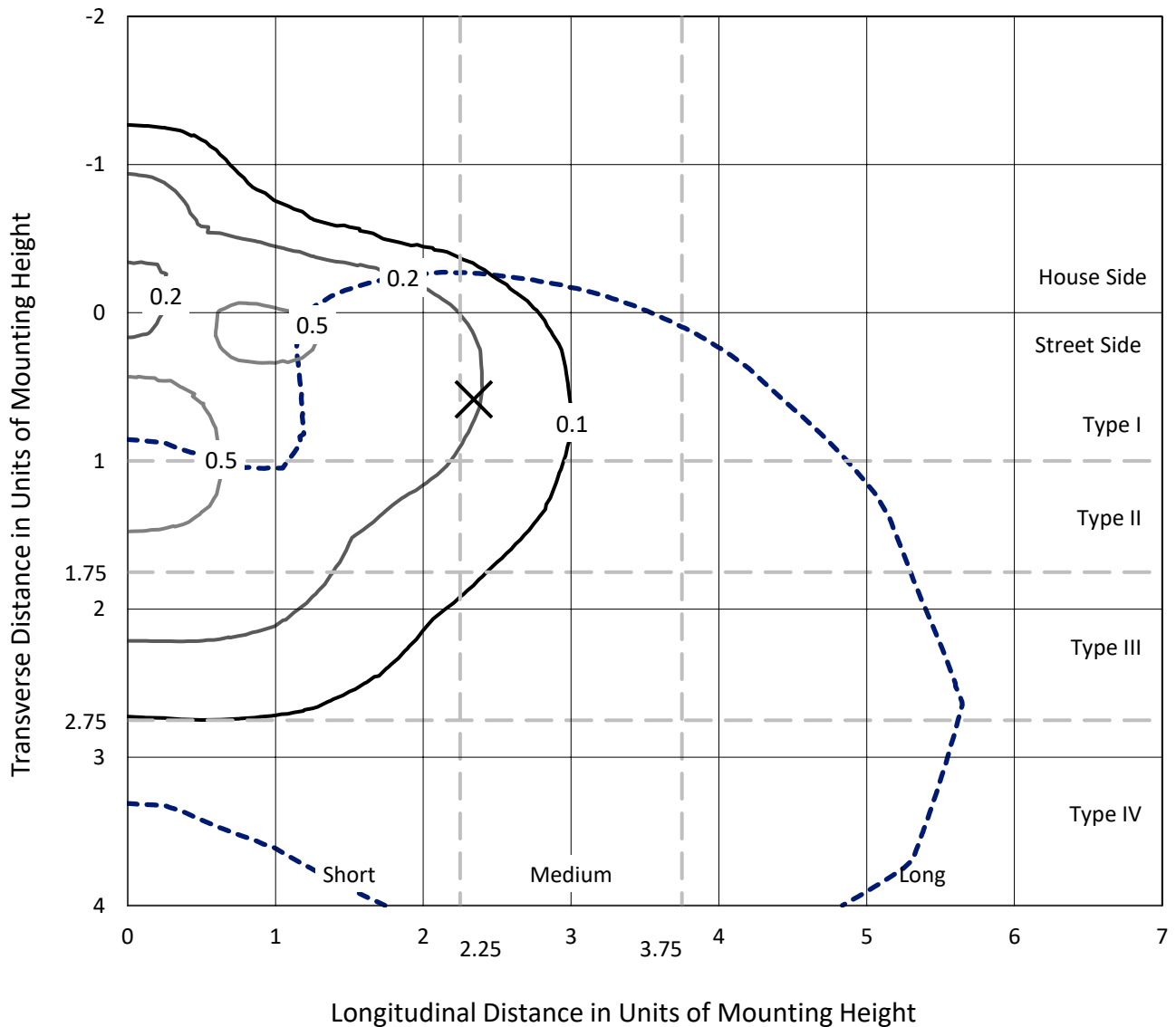
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

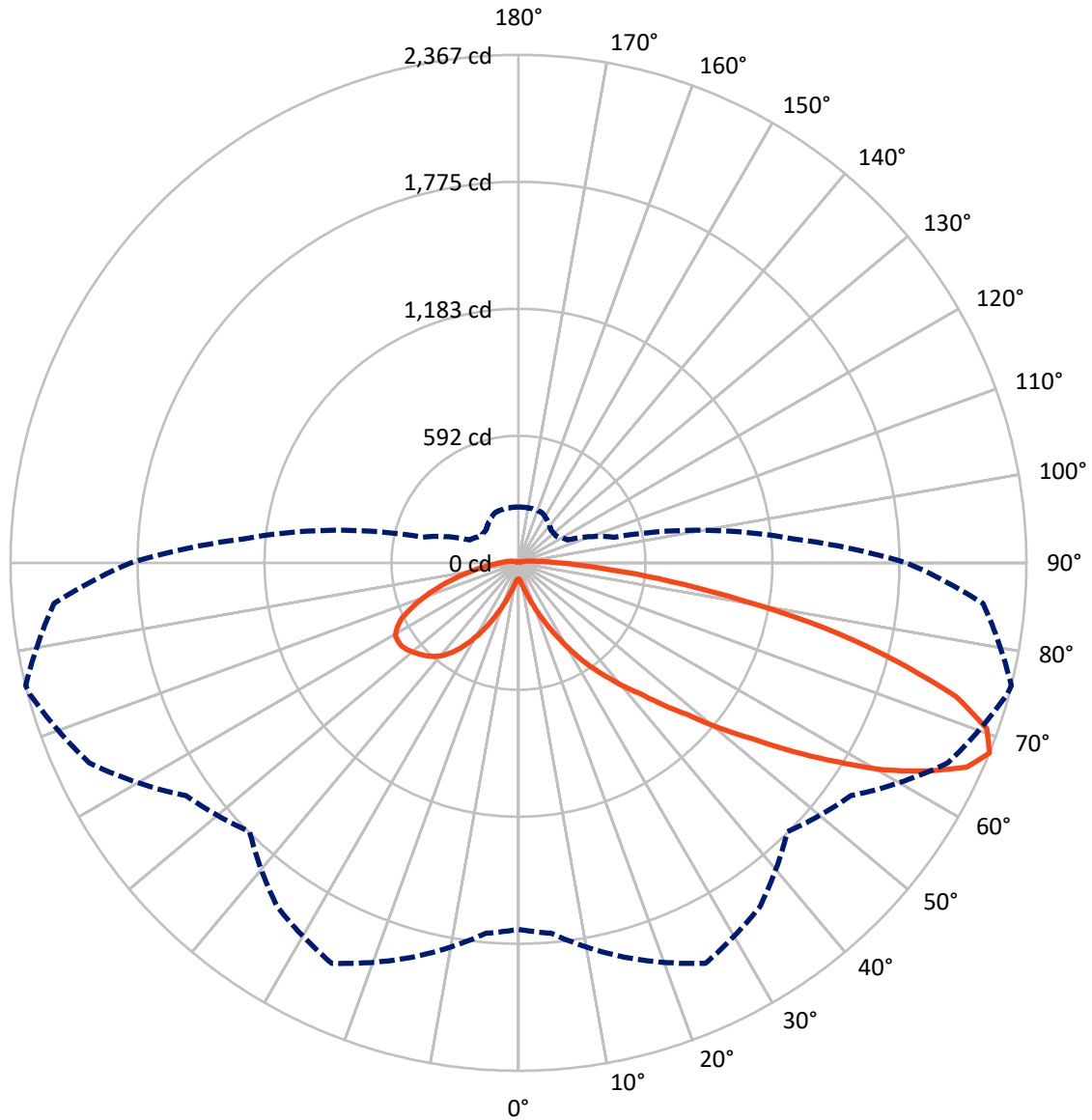
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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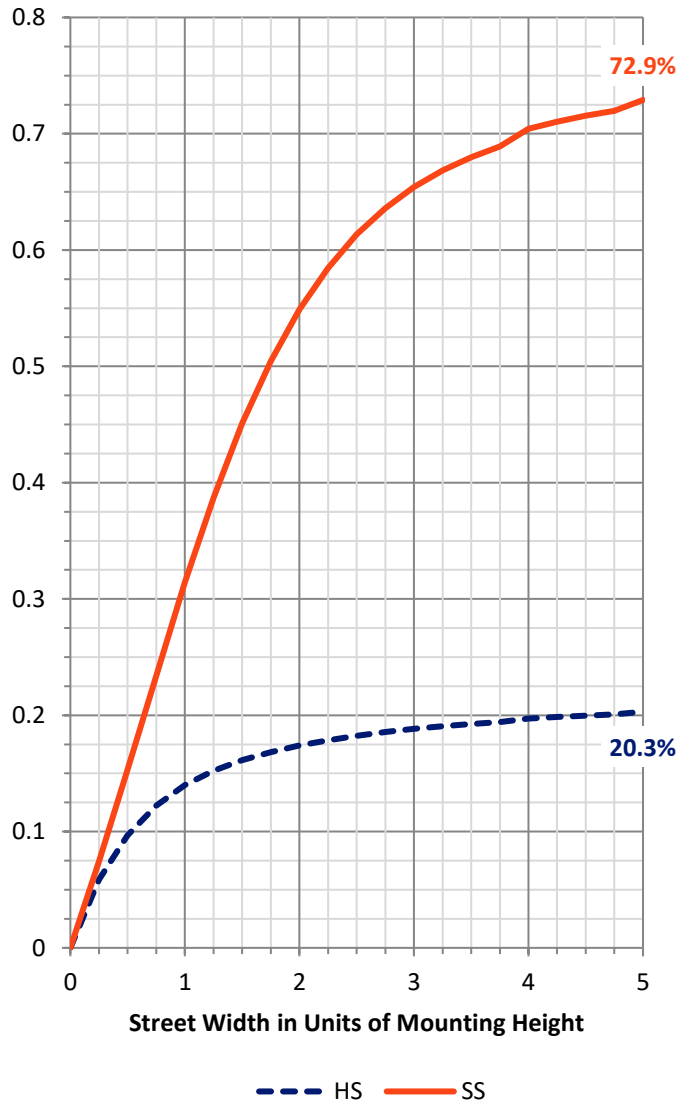
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	968.4	78.1	1046.5
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	3396.6	78.9	3475.5
	% Fixture	75.1	1.7	76.9
Total	Lumens	4365.0	157.0	4522.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.6	0.2
10°-20°	44.6	1.0
20°-30°	141.1	3.1
30°-40°	314.6	7.0
40°-50°	539.9	11.9
50°-60°	842.2	18.6
60°-70°	1153.1	25.5
70°-80°	966.4	21.4
80°-90°	354.6	7.8
90°-100°	89.3	2.0
100°-110°	34.0	0.8
110°-120°	16.2	0.4
120°-130°	9.2	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°	4365.0	96.5
0°-180°	4522.0	100.0

Coefficient of Utilization

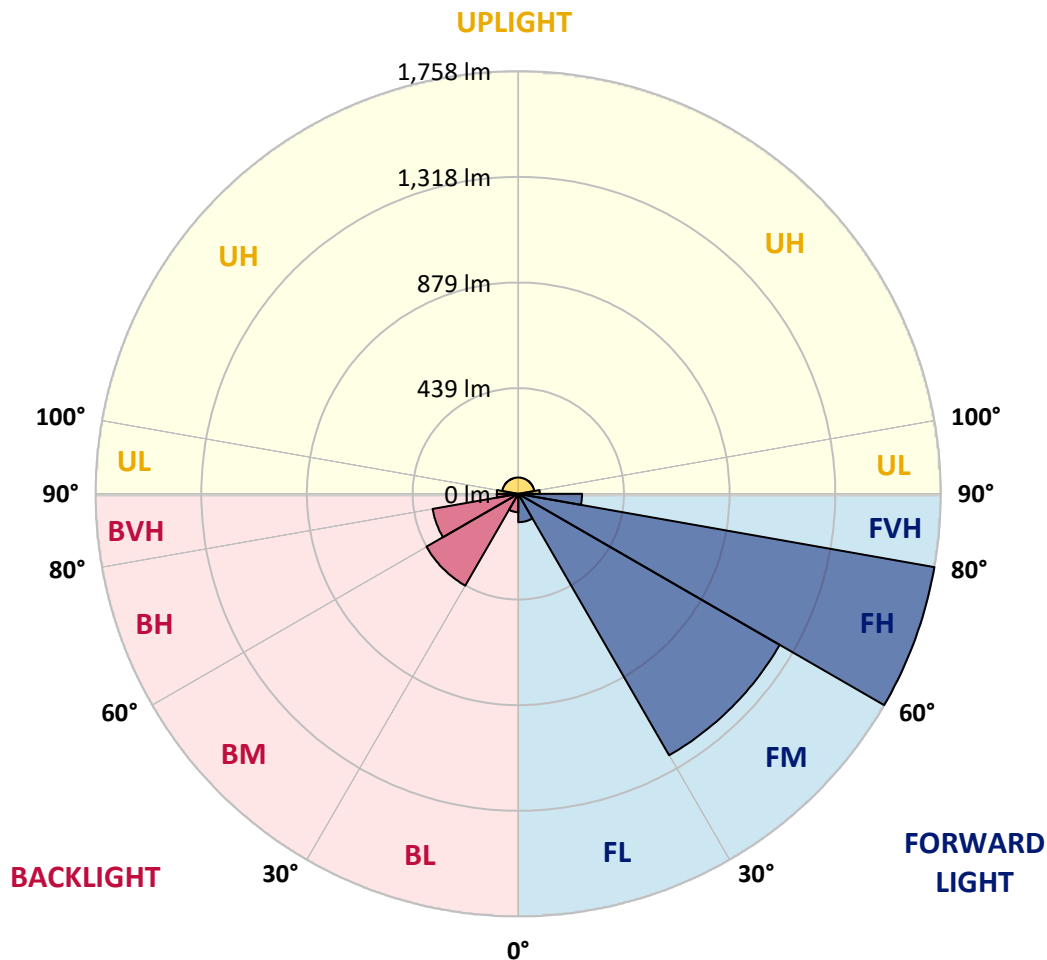


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.1	2.6			
FM (30°-60°)	1255.6	27.8			
FH (60°-80°)	1757.7	38.9			G1/1800
FVH (80°-90°)	265.1	5.9			G3/500
BL (0°-30°)	76.3	1.7	B0/110		
BM (30°-60°)	440.9	9.8	B1/1000		
BH (60°-80°)	361.7	8.0	B1/500		G1/500
BVH (80°-90°)	89.5	2.0			G1/100
UL (90°-100°)	89.3	2.0		U3/500	
UH (100°-180°)	67.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	80.1	80.1	80.1	80.1	81.7	80.1	80.1	78.5	78.5	76.8	76.8
5°	91.5	91.5	91.5	91.5	91.5	89.9	88.3	86.6	85.0	83.4	83.4
7.5°	107.9	107.9	107.9	106.2	104.6	103.0	101.3	98.1	94.8	94.8	91.5
10°	130.8	130.8	130.8	129.1	124.2	121.0	117.7	112.8	111.2	109.5	106.2
12.5°	161.8	161.8	158.6	155.3	148.7	143.8	138.9	134.0	132.4	130.8	125.9
15°	201.1	199.4	196.2	186.3	179.8	171.6	166.7	161.8	156.9	156.9	155.3
17.5°	248.5	246.8	238.7	225.6	215.8	202.7	196.2	192.9	192.9	191.2	188.0
20°	305.7	305.7	294.2	274.6	255.0	238.7	233.7	232.1	232.1	233.7	228.8
22.5°	379.2	377.6	361.2	328.6	300.8	279.5	274.6	274.6	279.5	279.5	277.9
25°	461.0	459.3	429.9	393.9	349.8	326.9	315.5	323.7	335.1	336.7	338.4
27.5°	560.7	554.1	519.8	464.2	407.0	371.1	362.9	376.0	398.8	397.2	400.5
30°	663.6	660.4	613.0	544.3	467.5	418.5	411.9	436.4	462.6	464.2	472.4
32.5°	784.6	766.6	722.5	631.0	529.6	469.1	459.3	495.3	534.5	537.8	546.0
35°	905.6	903.9	832.0	724.1	595.0	516.5	508.4	550.9	606.4	608.1	619.5
37.5°	1028.2	1021.6	953.0	815.7	666.9	570.5	557.4	613.0	675.1	678.4	694.7
40°	1157.3	1149.1	1075.6	913.7	742.1	629.3	614.6	680.0	751.9	758.5	778.1
42.5°	1270.1	1268.5	1198.2	1021.6	815.7	686.5	676.7	747.0	832.0	835.3	864.7
45°	1394.3	1373.1	1307.7	1129.5	907.2	756.8	747.0	833.6	930.1	943.2	967.7
47.5°	1492.4	1482.6	1422.1	1247.2	1000.4	833.6	823.8	926.8	1044.5	1056.0	1077.2
50°	1592.1	1580.7	1526.7	1358.4	1101.7	923.6	921.9	1044.5	1188.4	1206.3	1229.2
52.5°	1673.8	1667.3	1634.6	1477.7	1209.6	1013.5	1031.4	1183.5	1346.9	1360.0	1382.9
55°	1750.7	1745.8	1739.2	1610.1	1338.7	1132.8	1147.5	1338.7	1526.7	1551.2	1587.2
57.5°	1807.9	1816.0	1829.1	1739.2	1474.4	1252.1	1283.2	1528.4	1726.1	1749.0	1785.0
60°	1847.1	1860.2	1907.6	1868.4	1616.6	1384.5	1449.9	1703.3	1933.7	1959.9	1977.9
62.5°	1852.0	1873.3	1969.7	1977.9	1750.7	1523.4	1597.0	1889.6	2131.5	2136.4	2115.2
65°	1814.4	1830.8	1966.4	2044.9	1870.0	1659.1	1758.8	2080.8	2283.5	2295.0	2196.9
67.5°	1708.2	1732.7	1902.7	2059.6	1958.3	1771.9	1891.2	2206.7	2358.7	2366.9	2172.4
70°	1510.4	1554.5	1757.2	1974.6	1976.2	1834.0	1977.9	2260.7	2324.4	2314.6	2025.3
72.5°	1271.7	1283.2	1507.1	1798.1	1907.6	1832.4	1968.1	2195.3	2149.5	2131.5	1750.7
75°	930.1	961.1	1170.4	1525.1	1744.1	1724.5	1852.0	2000.8	1843.8	1811.1	1427.0
77.5°	629.3	662.0	827.1	1170.4	1467.9	1531.6	1639.5	1683.6	1484.2	1456.4	1046.1
80°	395.6	418.5	534.5	817.3	1150.8	1250.5	1332.2	1304.4	1077.2	1051.0	743.7
82.5°	220.7	232.1	326.9	532.9	810.8	951.3	1015.1	946.4	742.1	712.7	482.2
85°	116.1	130.8	184.7	323.7	541.1	676.7	727.4	626.1	456.1	446.2	300.8
87.5°	63.7	70.3	106.2	194.5	335.1	459.3	482.2	393.9	282.8	269.7	191.2
90°	39.2	42.5	62.1	116.1	207.6	287.7	302.4	246.8	176.5	173.3	127.5
92.5°	26.2	27.8	42.5	75.2	130.8	184.7	194.5	153.7	116.1	112.8	91.5
95°	19.6	21.2	32.7	53.9	89.9	125.9	124.2	104.6	78.5	76.8	67.0
97.5°	16.3	18.0	27.8	42.5	65.4	85.0	85.0	68.7	57.2	57.2	52.3
100°	14.7	14.7	22.9	34.3	49.0	62.1	62.1	50.7	42.5	42.5	39.2
102.5°	13.1	13.1	19.6	29.4	39.2	49.0	47.4	39.2	32.7	32.7	31.1
105°	11.4	11.4	18.0	24.5	32.7	39.2	37.6	31.1	26.2	24.5	22.9
107.5°	9.8	9.8	14.7	21.2	29.4	32.7	31.1	26.2	19.6	19.6	18.0
110°	9.8	9.8	13.1	19.6	24.5	27.8	26.2	21.2	16.3	16.3	14.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	8.2	8.2	11.4	16.3	21.2	24.5	22.9	18.0	13.1	13.1	13.1
115°	8.2	8.2	9.8	14.7	18.0	21.2	19.6	14.7	11.4	11.4	11.4
117.5°	8.2	8.2	9.8	13.1	16.3	18.0	16.3	13.1	9.8	9.8	9.8
120°	6.5	6.5	8.2	11.4	14.7	16.3	14.7	11.4	8.2	8.2	9.8
122.5°	6.5	6.5	8.2	9.8	13.1	14.7	13.1	9.8	8.2	8.2	8.2
125°	6.5	6.5	8.2	9.8	11.4	13.1	11.4	8.2	8.2	8.2	8.2
127.5°	6.5	6.5	6.5	8.2	9.8	11.4	9.8	8.2	6.5	6.5	8.2
130°	6.5	6.5	6.5	8.2	9.8	9.8	8.2	6.5	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	8.2	8.2	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	4.9	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	6.5	6.5	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	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	3.3	4.9	4.9	3.3	3.3	3.3	4.9	4.9
147.5°	3.3	3.3	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	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°	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
2.5°	76.8	75.2	75.2	75.2	75.2	73.6	73.6	73.6	73.6	71.9	73.6
5°	81.7	81.7	80.1	76.8	76.8	75.2	75.2	73.6	73.6	71.9	71.9
7.5°	91.5	89.9	86.6	85.0	81.7	80.1	78.5	76.8	76.8	75.2	75.2
10°	104.6	103.0	98.1	94.8	91.5	88.3	86.6	85.0	83.4	81.7	81.7
12.5°	124.2	121.0	116.1	107.9	104.6	99.7	96.4	94.8	94.8	94.8	93.2
15°	152.0	147.1	138.9	129.1	119.3	112.8	111.2	111.2	111.2	112.8	112.8
17.5°	184.7	178.2	168.4	152.0	138.9	130.8	129.1	129.1	130.8	134.0	134.0
20°	225.6	217.4	202.7	181.4	161.8	150.4	147.1	150.4	156.9	158.6	158.6
22.5°	273.0	266.4	241.9	210.9	186.3	171.6	168.4	171.6	179.8	186.3	188.0
25°	330.2	320.4	286.1	245.2	210.9	192.9	188.0	196.2	207.6	217.4	217.4
27.5°	393.9	382.5	335.1	281.2	235.4	210.9	206.0	217.4	237.0	248.5	250.1
30°	462.6	444.6	382.5	315.5	256.6	227.2	223.9	240.3	263.2	277.9	279.5
32.5°	537.8	508.4	431.5	346.5	276.2	238.7	237.0	258.3	286.1	304.0	305.7
35°	608.1	575.4	475.7	369.4	289.3	246.8	246.8	271.3	304.0	322.0	323.7
37.5°	676.7	634.2	513.3	387.4	295.9	250.1	251.7	281.2	313.8	331.8	333.5
40°	751.9	698.0	546.0	395.6	297.5	251.7	255.0	286.1	315.5	333.5	333.5
42.5°	830.4	765.0	567.2	395.6	294.2	250.1	253.4	284.4	312.2	325.3	326.9
45°	921.9	836.9	581.9	389.0	287.7	245.2	250.1	281.2	302.4	308.9	310.6
47.5°	1026.5	912.1	593.4	379.2	279.5	240.3	246.8	273.0	291.0	291.0	291.0
50°	1158.9	997.1	603.2	362.9	269.7	235.4	241.9	266.4	276.2	273.0	273.0
52.5°	1302.8	1090.3	609.7	346.5	259.9	228.8	237.0	259.9	264.8	256.6	256.6
55°	1463.0	1199.8	609.7	330.2	250.1	223.9	233.7	253.4	255.0	246.8	243.6
57.5°	1616.6	1286.4	601.5	312.2	240.3	219.0	230.5	250.1	250.1	241.9	240.3
60°	1753.9	1366.5	588.5	295.9	233.7	215.8	230.5	248.5	248.5	241.9	241.9
62.5°	1852.0	1392.7	555.8	281.2	227.2	215.8	232.1	250.1	251.7	248.5	246.8
65°	1876.5	1379.6	518.2	264.8	220.7	214.1	235.4	255.0	256.6	255.0	255.0
67.5°	1807.9	1283.2	461.0	251.7	215.8	214.1	237.0	258.3	259.9	259.9	259.9
70°	1629.7	1139.3	408.7	237.0	210.9	212.5	240.3	261.5	261.5	261.5	261.5
72.5°	1378.0	956.2	354.7	223.9	202.7	209.2	240.3	259.9	259.9	258.3	258.3
75°	1088.6	756.8	304.0	210.9	192.9	202.7	237.0	255.0	253.4	251.7	250.1
77.5°	805.9	562.3	255.0	192.9	181.4	194.5	227.2	243.6	241.9	240.3	237.0
80°	555.8	392.3	212.5	174.9	166.7	181.4	212.5	227.2	225.6	222.3	222.3
82.5°	361.2	269.7	171.6	153.7	150.4	166.7	196.2	207.6	204.3	201.1	199.4
85°	233.7	183.1	137.3	130.8	134.0	148.7	171.6	181.4	179.8	176.5	173.3
87.5°	153.7	130.8	107.9	107.9	114.4	130.8	147.1	152.0	150.4	150.4	147.1
90°	107.9	98.1	88.3	89.9	98.1	112.8	121.0	122.6	121.0	122.6	119.3
92.5°	80.1	75.2	71.9	75.2	83.4	94.8	99.7	96.4	98.1	98.1	96.4
95°	62.1	60.5	60.5	63.7	71.9	80.1	81.7	76.8	80.1	80.1	78.5
97.5°	49.0	49.0	50.7	53.9	60.5	67.0	67.0	63.7	65.4	65.4	65.4
100°	39.2	39.2	42.5	45.8	52.3	57.2	55.6	52.3	53.9	52.3	50.7
102.5°	31.1	32.7	36.0	39.2	44.1	47.4	47.4	44.1	44.1	42.5	42.5
105°	24.5	26.2	29.4	34.3	37.6	40.9	40.9	37.6	34.3	32.7	32.7
107.5°	19.6	21.2	24.5	27.8	32.7	34.3	34.3	31.1	27.8	24.5	24.5
110°	16.3	18.0	21.2	24.5	27.8	29.4	29.4	26.2	22.9	19.6	19.6

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 CATALOG NUMBER: LXF.LXT-PA16-40-750-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.7	14.7	18.0	21.2	22.9	24.5	24.5	22.9	18.0	16.3	16.3
115°	11.4	13.1	14.7	18.0	19.6	21.2	21.2	18.0	14.7	13.1	13.1
117.5°	11.4	11.4	13.1	16.3	18.0	19.6	18.0	16.3	13.1	11.4	11.4
120°	9.8	11.4	13.1	13.1	16.3	16.3	16.3	13.1	11.4	11.4	11.4
122.5°	9.8	9.8	11.4	13.1	13.1	14.7	14.7	11.4	9.8	9.8	9.8
125°	8.2	9.8	9.8	11.4	13.1	13.1	13.1	9.8	9.8	9.8	9.8
127.5°	8.2	8.2	9.8	9.8	11.4	11.4	11.4	9.8	8.2	8.2	8.2
130°	8.2	8.2	8.2	8.2	9.8	9.8	9.8	8.2	8.2	8.2	8.2
132.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.5	8.2	8.2
135°	6.5	6.5	6.5	6.5	8.2	8.2	6.5	6.5	6.5	6.5	6.5
137.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
140°	6.5	6.5	6.5	4.9	6.5	6.5	4.9	4.9	4.9	6.5	6.5
142.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
145°	4.9	4.9	4.9	3.3	3.3	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	3.3	4.9	3.3
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

(END OF REPORT)