

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: P695341

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2R-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T2R-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5083 lumens
Efficiency: N/A
Efficacy: 95.7 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: B1 - U3 - G2

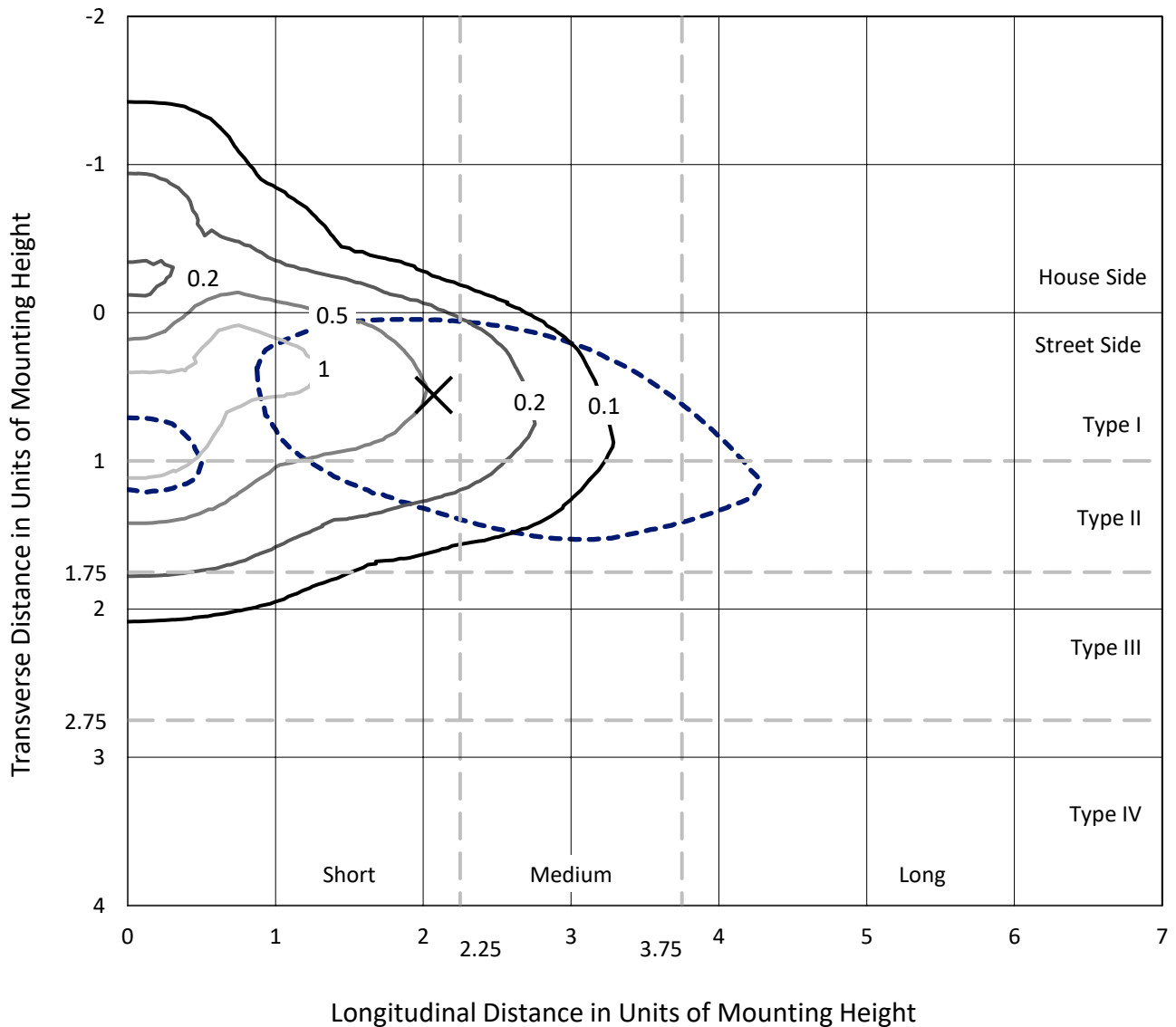
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

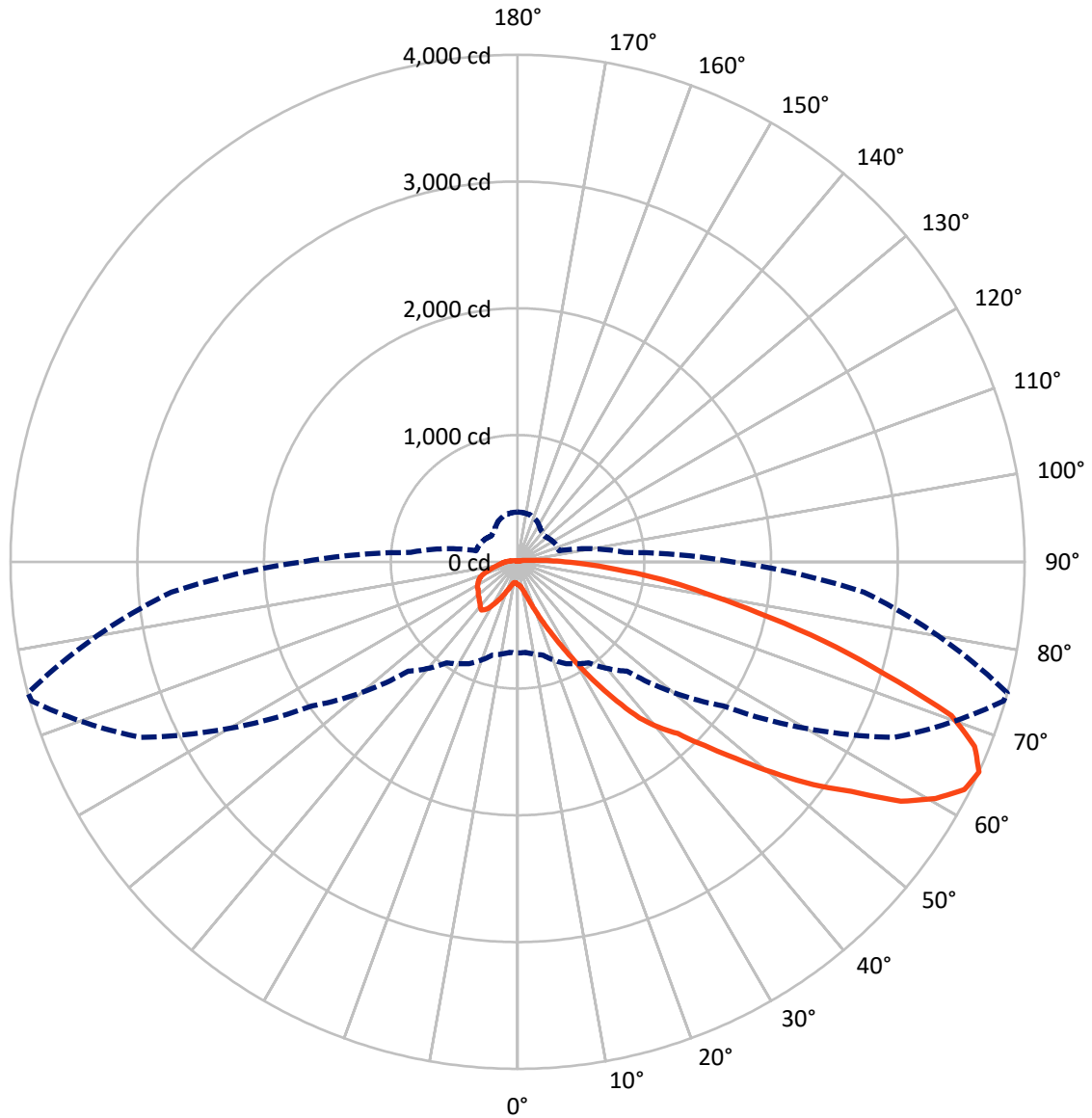
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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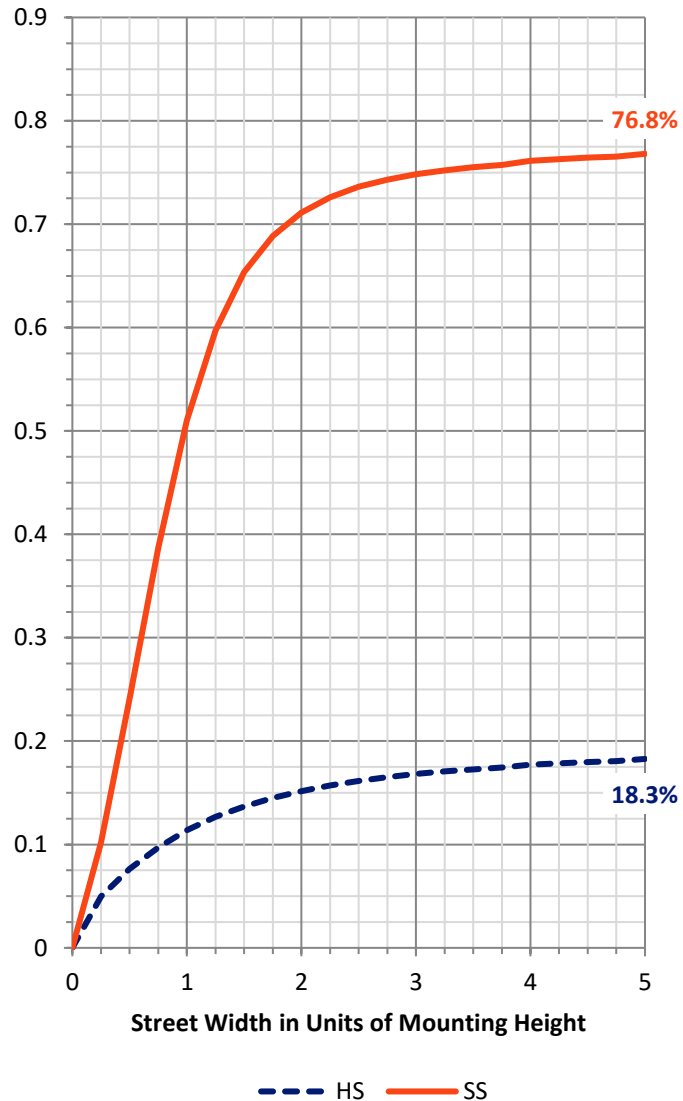
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	973.2	77.3	1050.5
	% Fixture	19.1	1.5	20.7
Street Side	Lumens	3955.0	77.5	4032.5
	% Fixture	77.8	1.5	79.3
Total	Lumens	4928.2	154.8	5083.0
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.4
10°-20°	77.5	1.5
20°-30°	242.2	4.8
30°-40°	575.9	11.3
40°-50°	891.6	17.5
50°-60°	1112.4	21.9
60°-70°	1088.5	21.4
70°-80°	662.0	13.0
80°-90°	260.0	5.1
90°-100°	81.1	1.6
100°-110°	32.4	0.6
110°-120°	17.9	0.4
120°-130°	11.8	0.2
130°-140°	7.9	0.2
140°-150°	3.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4928.2	97.0
0°-180°	5083.0	100.0

Coefficient of Utilization

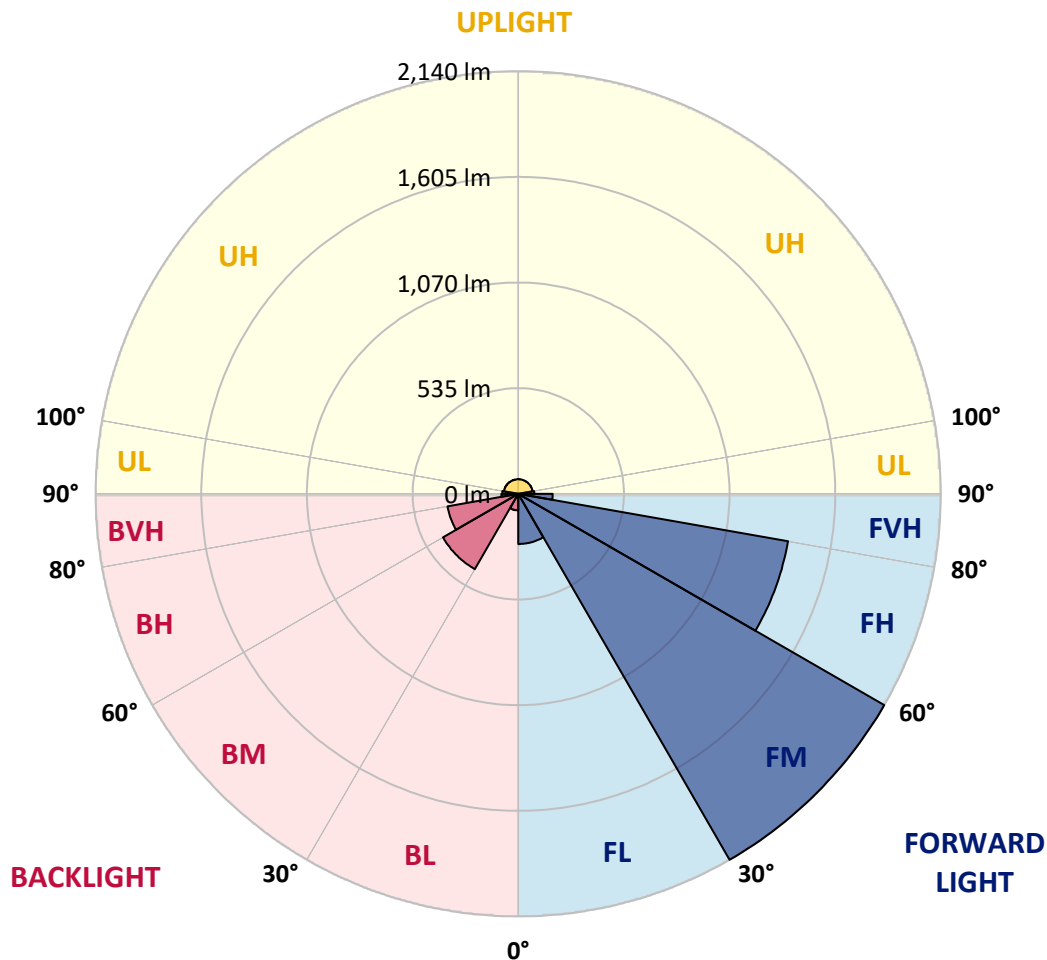


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	254.0	5.0			
FM (30°-60°)	2139.6	42.1			
FH (60°-80°)	1386.9	27.3			G1/1800
FVH (80°-90°)	174.5	3.4			G2/225
BL (0°-30°)	83.8	1.6	B0/110		
BM (30°-60°)	440.3	8.7	B1/1000		
BH (60°-80°)	363.6	7.2	B1/500		G1/500
BVH (80°-90°)	85.5	1.7			G1/100
UL (90°-100°)	81.1	1.6		U3/500	
UH (100°-180°)	73.7	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5
2.5°	197.3	199.2	197.3	195.4	193.5	191.7	187.9	186.0	182.3	182.3	178.5
5°	229.2	229.2	229.2	223.6	219.8	216.1	206.7	199.2	191.7	189.8	184.1
7.5°	268.7	264.9	263.1	257.4	249.9	242.4	229.2	216.1	204.8	202.9	191.7
10°	315.7	313.8	311.9	304.4	291.2	278.1	259.3	242.4	223.6	221.7	202.9
12.5°	379.6	377.7	370.2	360.8	342.0	321.3	298.8	278.1	253.7	251.8	225.5
15°	449.1	451.0	445.3	426.5	407.7	379.6	353.3	328.8	302.5	295.0	261.2
17.5°	554.3	552.4	539.3	507.3	484.8	454.7	420.9	389.0	357.0	351.4	308.2
20°	668.9	672.7	653.9	608.8	573.1	537.4	509.2	462.2	430.3	426.5	366.4
22.5°	815.5	824.9	785.4	740.3	680.2	638.9	610.7	565.6	520.5	520.5	443.4
25°	1007.1	1010.9	958.3	885.0	809.8	746.0	721.5	693.3	640.7	633.2	543.0
27.5°	1204.4	1215.7	1153.7	1057.9	945.1	868.1	853.1	838.0	774.1	772.3	646.4
30°	1510.7	1505.1	1399.9	1262.7	1099.2	997.7	988.4	1005.3	945.1	937.6	781.7
32.5°	1788.8	1779.4	1666.7	1486.3	1262.7	1142.4	1127.4	1183.8	1142.4	1140.6	935.7
35°	2018.0	2004.9	1903.4	1700.5	1439.3	1275.8	1285.2	1379.2	1358.5	1349.1	1076.7
37.5°	2125.1	2147.7	2061.3	1864.0	1591.5	1413.0	1456.2	1595.3	1576.5	1563.3	1230.7
40°	2198.4	2228.5	2138.3	1952.3	1696.7	1535.1	1604.7	1773.8	1734.3	1717.4	1296.5
42.5°	2224.7	2249.2	2189.0	2003.0	1760.6	1627.2	1719.3	1905.3	1880.9	1852.7	1390.5
45°	2207.8	2237.9	2190.9	2025.6	1792.6	1683.6	1803.8	2072.5	2091.3	2068.8	1523.9
47.5°	2142.1	2175.9	2159.0	2025.6	1802.0	1711.8	1905.3	2284.9	2328.1	2316.8	1670.4
50°	1965.4	2003.0	2033.1	1986.1	1792.6	1721.2	2018.0	2495.3	2623.1	2615.6	1873.4
52.5°	1822.6	1852.7	1864.0	1862.1	1756.9	1734.3	2125.1	2769.6	2931.2	2920.0	2055.6
55°	1631.0	1649.8	1704.3	1691.1	1638.5	1715.5	2205.9	2970.7	3209.3	3196.2	2264.2
57.5°	1300.3	1332.2	1433.7	1540.8	1491.9	1653.5	2241.6	3153.0	3581.4	3564.5	2504.7
60°	1106.7	1116.1	1174.4	1275.8	1343.5	1529.5	2228.5	3340.9	3805.0	3789.9	2613.7
62.5°	901.9	907.6	980.8	1067.3	1163.1	1392.3	2151.5	3352.1	3949.7	3957.2	2720.8
65°	719.7	717.8	761.0	885.0	973.3	1221.3	1984.2	3277.0	3987.2	4000.4	2741.5
67.5°	548.7	565.6	621.9	685.8	806.1	1024.1	1745.6	3079.7	3885.8	3889.5	2656.9
70°	377.7	385.2	437.8	539.3	629.5	849.3	1482.5	2775.3	3630.2	3630.2	2416.4
72.5°	272.5	281.8	308.2	373.9	486.7	665.2	1225.1	2382.6	3059.0	3028.9	2023.7
75°	202.9	204.8	229.2	268.7	343.9	518.6	952.7	1873.4	2484.0	2493.4	1662.9
77.5°	157.8	159.7	171.0	199.2	251.8	377.7	708.4	1444.9	1935.4	1939.1	1283.4
80°	131.5	133.4	139.0	154.1	187.9	270.6	520.5	1087.9	1495.7	1497.6	999.6
82.5°	109.0	110.9	116.5	125.9	146.6	201.1	373.9	832.4	1133.0	1148.1	749.7
85°	92.1	93.9	97.7	105.2	120.3	156.0	270.6	597.5	798.6	792.9	518.6
87.5°	75.2	75.2	80.8	86.4	97.7	125.9	199.2	409.6	541.2	535.5	360.8
90°	56.4	58.2	62.0	69.5	80.8	99.6	144.7	268.7	336.3	336.3	229.2
92.5°	41.3	41.3	47.0	54.5	63.9	80.8	105.2	171.0	201.1	202.9	148.4
95°	30.1	30.1	33.8	37.6	48.9	63.9	77.0	105.2	124.0	120.3	101.5
97.5°	24.4	24.4	26.3	30.1	37.6	50.7	60.1	75.2	82.7	82.7	75.2
100°	20.7	20.7	22.5	22.5	30.1	41.3	48.9	54.5	60.1	62.0	60.1
102.5°	16.9	18.8	18.8	18.8	24.4	35.7	39.5	43.2	47.0	47.0	47.0
105°	15.0	15.0	16.9	16.9	20.7	30.1	33.8	35.7	37.6	37.6	37.6
107.5°	13.2	13.2	15.0	15.0	18.8	26.3	28.2	28.2	30.1	30.1	30.1
110°	13.2	13.2	13.2	13.2	16.9	22.5	22.5	22.5	22.5	22.5	24.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	11.3	11.3	13.2	13.2	15.0	20.7	20.7	18.8	18.8	18.8	22.5
115°	11.3	11.3	11.3	13.2	15.0	16.9	16.9	16.9	16.9	16.9	18.8
117.5°	11.3	11.3	11.3	13.2	13.2	16.9	15.0	15.0	15.0	15.0	16.9
120°	11.3	11.3	11.3	11.3	13.2	15.0	15.0	13.2	13.2	13.2	15.0
122.5°	11.3	11.3	11.3	11.3	13.2	13.2	13.2	11.3	11.3	11.3	15.0
125°	11.3	11.3	13.2	13.2	13.2	13.2	13.2	11.3	11.3	11.3	13.2
127.5°	13.2	13.2	13.2	13.2	11.3	13.2	11.3	11.3	11.3	11.3	13.2
130°	15.0	15.0	15.0	13.2	11.3	11.3	11.3	11.3	11.3	11.3	13.2
132.5°	15.0	15.0	15.0	13.2	11.3	11.3	9.4	9.4	11.3	11.3	11.3
135°	15.0	15.0	13.2	11.3	11.3	9.4	9.4	9.4	9.4	9.4	11.3
137.5°	13.2	13.2	13.2	11.3	9.4	9.4	7.5	7.5	9.4	9.4	9.4
140°	11.3	11.3	11.3	9.4	7.5	7.5	5.6	5.6	7.5	7.5	7.5
142.5°	9.4	9.4	9.4	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5
145°	7.5	7.5	7.5	5.6	5.6	5.6	3.8	3.8	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	5.6	5.6	5.6	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8
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°	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5	178.5
2.5°	178.5	176.6	172.9	171.0	167.2	165.4	163.5	161.6	163.5	161.6	161.6
5°	180.4	176.6	169.1	161.6	156.0	152.2	148.4	144.7	144.7	142.8	140.9
7.5°	184.1	178.5	165.4	156.0	144.7	137.2	131.5	127.8	125.9	124.0	124.0
10°	193.5	184.1	167.2	150.3	137.2	125.9	118.4	114.6	110.9	110.9	110.9
12.5°	212.3	201.1	174.7	150.3	131.5	118.4	109.0	105.2	105.2	105.2	105.2
15°	244.3	225.5	191.7	159.7	133.4	114.6	109.0	110.9	114.6	118.4	116.5
17.5°	283.7	261.2	214.2	172.9	140.9	124.0	120.3	125.9	131.5	135.3	137.2
20°	332.6	298.8	238.6	186.0	154.1	142.8	139.0	144.7	152.2	157.8	157.8
22.5°	396.5	351.4	270.6	204.8	172.9	161.6	157.8	163.5	172.9	178.5	178.5
25°	477.3	415.3	310.0	229.2	193.5	176.6	176.6	184.1	197.3	204.8	206.7
27.5°	567.5	482.9	345.7	259.3	216.1	193.5	195.4	210.4	225.5	236.8	236.8
30°	665.2	563.7	387.1	285.6	233.0	210.4	212.3	231.1	251.8	266.8	264.9
32.5°	781.7	648.3	430.3	311.9	249.9	223.6	229.2	257.4	281.8	300.6	298.8
35°	900.0	721.5	458.5	336.3	264.9	234.9	244.3	280.0	308.2	325.1	325.1
37.5°	992.1	781.7	475.4	349.5	278.1	244.3	255.5	295.0	325.1	340.1	338.2
40°	1024.1	781.7	462.2	351.4	283.7	251.8	264.9	302.5	328.8	338.2	332.6
42.5°	1072.9	796.7	443.4	340.1	285.6	257.4	268.7	302.5	319.4	321.3	317.6
45°	1142.4	821.1	430.3	332.6	281.8	259.3	268.7	296.9	317.6	323.2	319.4
47.5°	1230.7	845.5	415.3	328.8	281.8	259.3	268.7	302.5	323.2	323.2	319.4
50°	1343.5	885.0	407.7	330.7	287.5	261.2	274.3	310.0	328.8	325.1	323.2
52.5°	1429.9	894.4	394.6	336.3	293.1	264.9	280.0	317.6	334.5	326.9	325.1
55°	1542.7	917.0	379.6	336.3	302.5	274.3	287.5	325.1	338.2	328.8	326.9
57.5°	1659.2	941.4	377.7	334.5	306.3	281.8	295.0	330.7	342.0	334.5	332.6
60°	1691.1	913.2	366.4	340.1	308.2	289.4	300.6	336.3	353.3	349.5	349.5
62.5°	1717.4	890.6	353.3	338.2	313.8	289.4	306.3	345.7	372.0	372.0	372.0
65°	1698.6	847.4	338.2	330.7	311.9	291.2	313.8	357.0	383.3	390.8	392.7
67.5°	1619.7	787.3	323.2	319.4	302.5	291.2	315.7	357.0	389.0	400.2	400.2
70°	1450.6	687.7	296.9	296.9	289.4	280.0	310.0	351.4	377.7	390.8	390.8
72.5°	1215.7	569.3	257.4	266.8	264.9	263.1	295.0	332.6	349.5	360.8	358.9
75°	967.7	458.5	223.6	227.4	231.1	236.8	270.6	300.6	306.3	315.7	313.8
77.5°	759.1	366.4	189.8	193.5	197.3	210.4	242.4	261.2	264.9	270.6	268.7
80°	593.8	300.6	163.5	163.5	169.1	182.3	208.6	225.5	233.0	236.8	231.1
82.5°	462.2	246.1	144.7	139.0	144.7	156.0	176.6	191.7	197.3	197.3	195.4
85°	328.8	197.3	127.8	120.3	122.1	133.4	152.2	161.6	165.4	163.5	159.7
87.5°	240.5	161.6	112.7	101.5	103.3	118.4	131.5	137.2	139.0	140.9	137.2
90°	169.1	129.7	97.7	84.6	84.6	99.6	112.7	114.6	116.5	116.5	114.6
92.5°	120.3	101.5	80.8	69.5	69.5	82.7	92.1	90.2	92.1	90.2	86.4
95°	88.3	78.9	67.6	56.4	54.5	63.9	67.6	65.8	67.6	65.8	65.8
97.5°	69.5	63.9	56.4	47.0	43.2	48.9	50.7	50.7	54.5	50.7	50.7
100°	56.4	52.6	48.9	39.5	35.7	39.5	41.3	43.2	45.1	43.2	43.2
102.5°	47.0	45.1	41.3	35.7	31.9	33.8	35.7	37.6	39.5	39.5	37.6
105°	37.6	37.6	35.7	30.1	28.2	28.2	30.1	31.9	35.7	35.7	35.7
107.5°	30.1	31.9	30.1	26.3	24.4	24.4	26.3	28.2	30.1	31.9	31.9
110°	26.3	26.3	26.3	22.5	22.5	22.5	22.5	24.4	28.2	30.1	30.1

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CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.5	22.5	22.5	20.7	20.7	20.7	20.7	20.7	24.4	26.3	28.2
115°	20.7	20.7	20.7	18.8	18.8	18.8	18.8	18.8	22.5	24.4	24.4
117.5°	18.8	18.8	18.8	16.9	16.9	16.9	16.9	16.9	18.8	22.5	22.5
120°	16.9	16.9	16.9	15.0	15.0	15.0	15.0	15.0	16.9	20.7	20.7
122.5°	15.0	15.0	15.0	15.0	13.2	13.2	13.2	13.2	15.0	18.8	18.8
125°	13.2	15.0	13.2	13.2	13.2	13.2	11.3	13.2	15.0	16.9	16.9
127.5°	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3	13.2	15.0	15.0
130°	13.2	13.2	13.2	11.3	11.3	9.4	9.4	11.3	11.3	13.2	13.2
132.5°	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4	11.3	11.3	11.3
135°	11.3	11.3	9.4	9.4	9.4	7.5	7.5	7.5	9.4	11.3	11.3
137.5°	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4	9.4
140°	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6	7.5	7.5	7.5
145°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6	5.6
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8
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)