

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: P695356

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228 lumens
Efficiency: N/A
Efficacy: 98.5 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

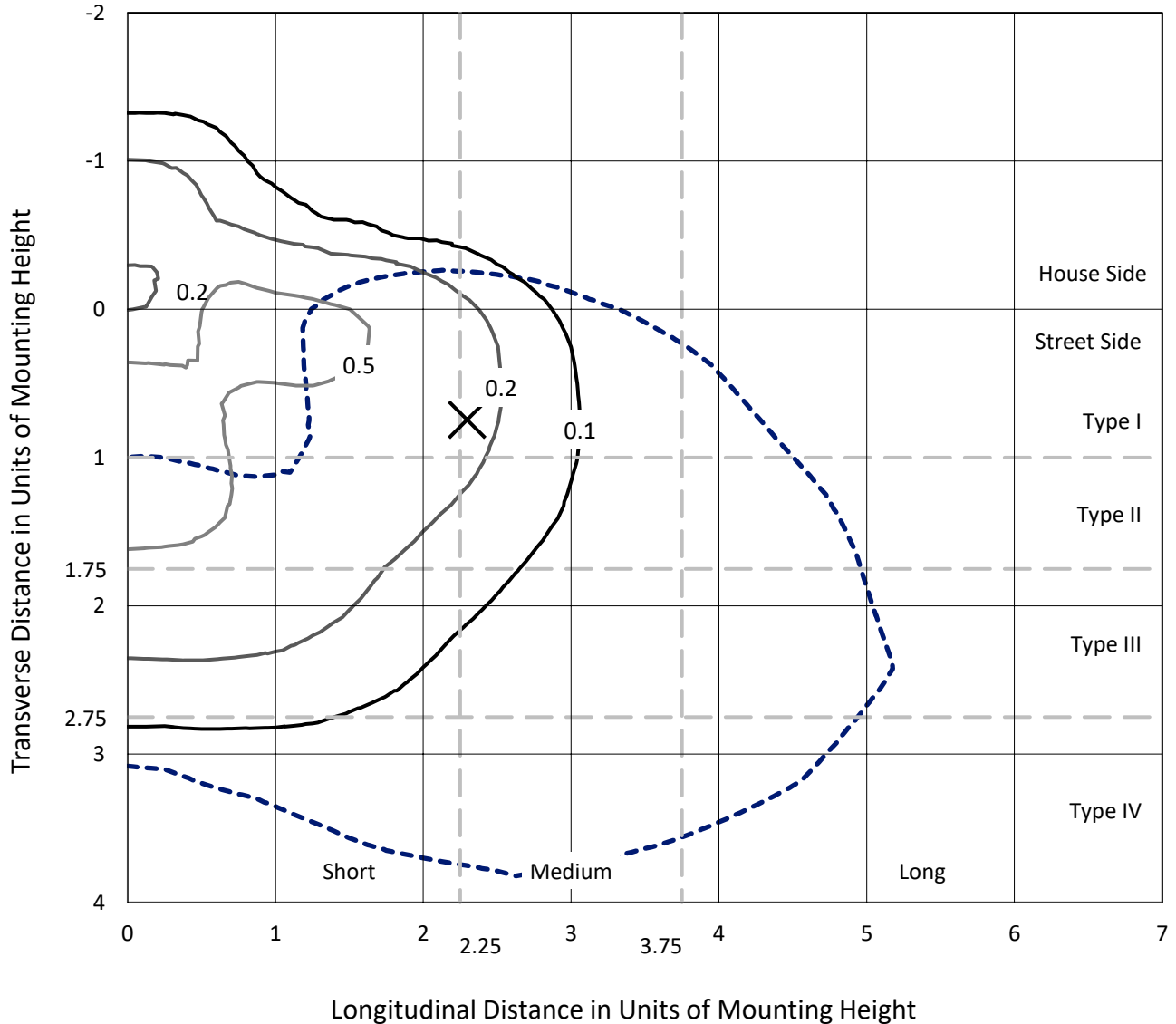
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

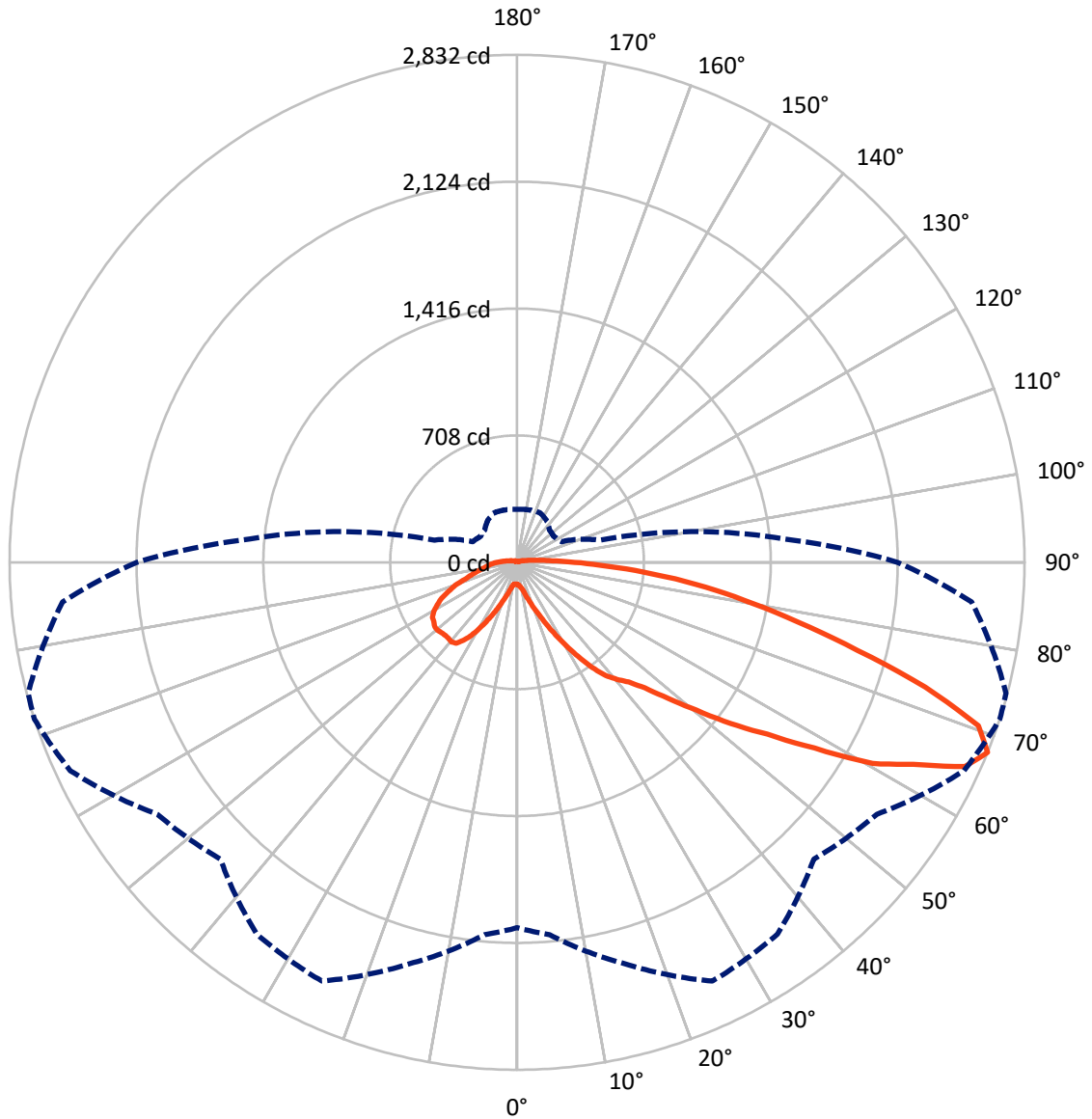
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - 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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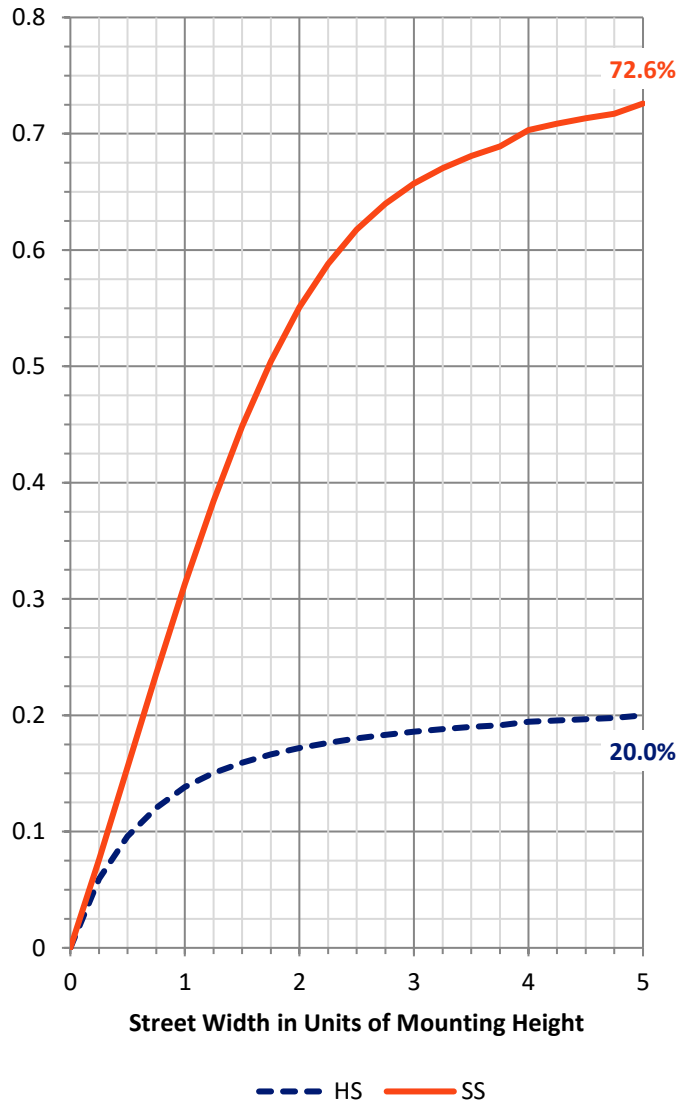
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1103.4	94.9	1198.2
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	3928.8	101.0	4029.8
	% Fixture	75.1	1.9	77.1
Total	Lumens	5032.1	195.9	5228.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.2
10°-20°	54.2	1.0
20°-30°	164.1	3.1
30°-40°	369.4	7.1
40°-50°	592.9	11.3
50°-60°	961.1	18.4
60°-70°	1401.7	26.8
70°-80°	1050.9	20.1
80°-90°	425.4	8.1
90°-100°	118.1	2.3
100°-110°	38.7	0.7
110°-120°	17.9	0.3
120°-130°	10.8	0.2
130°-140°	6.9	0.1
140°-150°	3.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5032.1	96.3
0°-180°	5228.0	100.0

Coefficient of Utilization

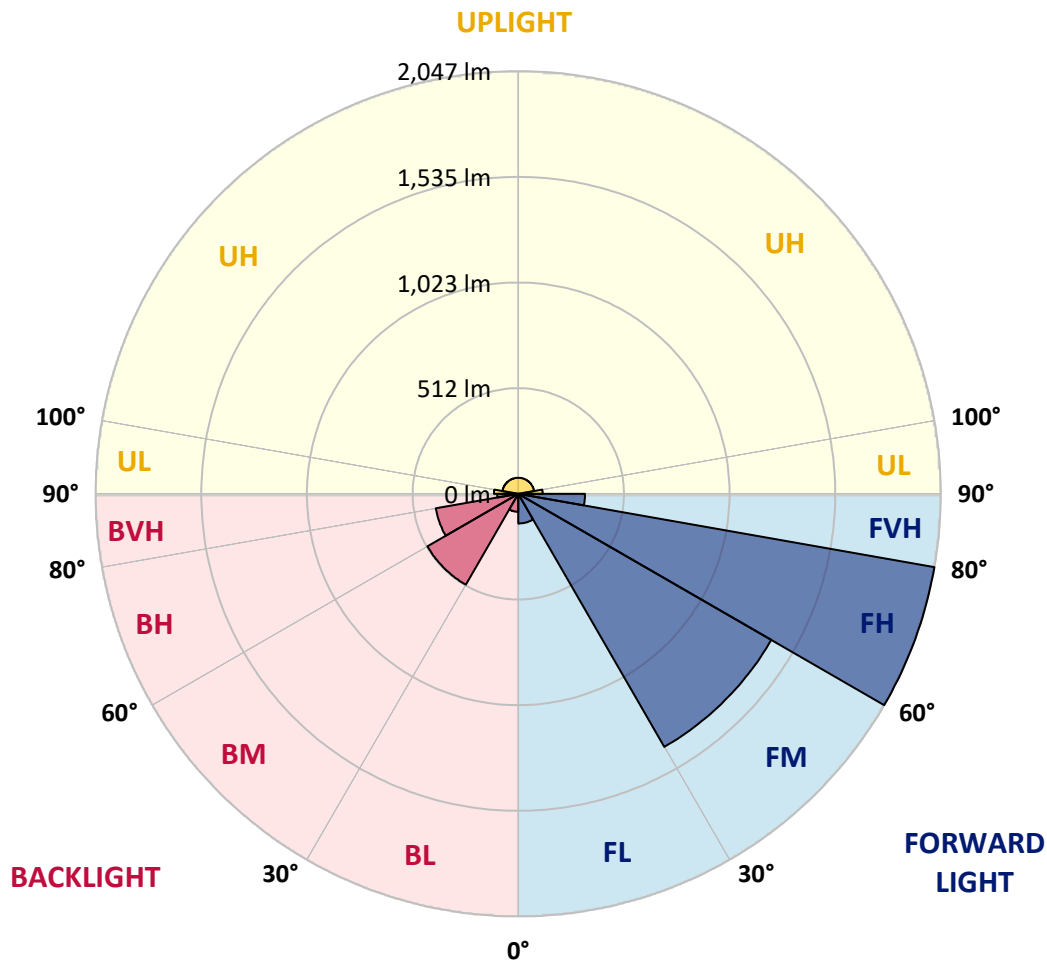


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	143.7	2.7			
FM (30°-60°)	1415.2	27.1			
FH (60°-80°)	2046.9	39.2			G2/5000
FVH (80°-90°)	323.0	6.2			G3/500
BL (0°-30°)	87.0	1.7	B0/110		
BM (30°-60°)	508.2	9.7	B1/1000		
BH (60°-80°)	405.8	7.8	B1/500		G1/500
BVH (80°-90°)	102.4	2.0			G2/225
UL (90°-100°)	118.1	2.3		U3/500	
UH (100°-180°)	77.8	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°	72°	75°	85°
0°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	129.6	129.6	129.6	129.6	129.6	129.6	129.6	127.8	125.9	125.9	124.0
5°	140.9	140.9	140.9	140.9	140.9	139.0	135.3	133.4	131.5	129.6	127.8
7.5°	157.8	156.0	156.0	154.1	152.2	150.3	146.6	142.8	139.0	137.2	133.4
10°	178.5	178.5	176.6	172.9	171.0	163.5	159.7	154.1	150.3	148.4	142.8
12.5°	216.1	212.3	210.4	204.8	195.4	186.0	178.5	172.9	169.1	169.1	161.6
15°	259.3	257.4	253.7	238.6	227.4	214.2	204.8	201.1	199.2	195.4	189.8
17.5°	311.9	311.9	304.4	283.7	264.9	251.8	240.5	234.9	233.0	233.0	227.4
20°	379.6	379.6	364.5	334.5	311.9	295.0	281.8	274.3	274.3	272.5	268.7
22.5°	458.5	462.2	439.7	400.2	362.6	338.2	323.2	321.3	321.3	328.8	325.1
25°	550.5	550.5	522.4	471.6	428.4	385.2	373.9	381.4	387.1	394.6	396.5
27.5°	668.9	665.2	618.2	554.3	486.7	439.7	426.5	441.6	458.5	464.1	475.4
30°	804.2	798.6	740.3	650.1	558.1	488.5	482.9	511.1	541.1	546.8	561.8
32.5°	918.8	922.6	856.8	757.2	631.3	548.7	543.0	588.1	625.7	638.9	667.0
35°	1057.9	1059.7	980.8	854.9	702.7	605.0	603.2	665.2	719.6	736.6	766.6
37.5°	1116.1	1127.4	1067.3	939.5	774.1	665.2	661.4	738.4	800.4	819.2	853.1
40°	1176.2	1183.8	1121.7	1001.5	832.4	717.8	719.6	802.3	858.7	881.2	900.0
42.5°	1300.3	1304.0	1219.5	1067.3	881.2	772.3	774.1	849.3	913.2	941.4	975.2
45°	1411.1	1428.0	1345.3	1170.6	947.0	819.2	823.0	926.3	997.7	1037.2	1078.5
47.5°	1568.9	1568.9	1501.3	1307.8	1044.7	883.1	903.8	1035.3	1133.0	1166.8	1227.0
50°	1709.9	1711.7	1661.0	1456.2	1153.7	971.4	1009.0	1172.5	1296.5	1336.0	1416.7
52.5°	1826.4	1828.2	1792.5	1627.2	1302.1	1087.9	1131.1	1354.7	1493.8	1542.6	1614.0
55°	1971.0	1961.6	1939.1	1798.2	1471.2	1238.2	1302.1	1548.3	1693.0	1758.7	1845.2
57.5°	2125.1	2113.8	2123.2	1984.2	1664.8	1424.3	1490.0	1755.0	1956.0	2040.6	2140.2
60°	2209.7	2213.4	2284.8	2228.5	1899.6	1655.4	1728.7	2070.6	2279.2	2345.0	2367.5
62.5°	2251.0	2254.8	2376.9	2414.5	2177.7	1897.8	2001.1	2331.8	2482.1	2564.8	2547.9
65°	2239.7	2254.8	2450.2	2553.5	2410.7	2158.9	2269.8	2578.0	2747.1	2790.3	2658.7
67.5°	2038.7	2085.7	2318.7	2578.0	2532.9	2341.2	2450.2	2750.8	2831.6	2824.1	2546.0
70°	1726.8	1739.9	2019.9	2395.7	2497.2	2333.7	2467.1	2715.1	2730.2	2690.7	2296.1
72.5°	1328.4	1360.4	1614.0	2021.8	2249.1	2166.5	2279.2	2474.6	2382.5	2283.0	1852.7
75°	975.2	962.0	1174.4	1570.8	1862.1	1873.3	1984.2	2098.8	1961.6	1880.9	1512.6
77.5°	661.4	693.3	845.5	1163.1	1463.7	1565.2	1676.0	1691.1	1600.9	1535.1	1157.4
80°	452.8	458.5	573.1	849.3	1142.4	1285.2	1382.9	1416.7	1287.1	1211.9	873.7
82.5°	259.3	264.9	362.6	610.7	896.3	1061.6	1161.2	1151.8	1003.4	928.2	606.9
85°	144.7	146.6	210.4	377.7	674.6	849.3	935.7	860.6	712.1	642.6	398.3
87.5°	86.4	90.2	125.9	242.4	458.5	657.6	700.9	599.4	460.3	409.6	263.1
90°	54.5	58.2	77.0	142.8	295.0	462.2	475.4	377.7	285.6	257.4	178.5
92.5°	35.7	37.6	50.7	88.3	182.3	291.2	304.4	227.4	176.6	157.8	122.1
95°	28.2	28.2	35.7	60.1	112.7	171.0	184.1	137.2	114.6	103.3	84.6
97.5°	22.5	22.5	28.2	43.2	77.0	107.1	110.9	90.2	77.0	75.2	63.9
100°	18.8	20.7	24.4	33.8	54.5	71.4	71.4	62.0	56.4	56.4	50.7
102.5°	16.9	16.9	20.7	28.2	43.2	54.5	52.6	47.0	43.2	43.2	41.3
105°	16.9	15.0	18.8	22.5	33.8	41.3	39.5	35.7	33.8	31.9	31.9
107.5°	15.0	13.2	15.0	18.8	28.2	33.8	31.9	28.2	26.3	24.4	26.3
110°	13.2	13.2	13.2	16.9	22.5	28.2	26.3	22.5	20.7	20.7	20.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.3	11.3	11.3	15.0	18.8	22.5	22.5	18.8	16.9	15.0	16.9
115°	11.3	11.3	11.3	13.2	16.9	20.7	18.8	15.0	13.2	13.2	15.0
117.5°	9.4	9.4	9.4	13.2	15.0	16.9	16.9	13.2	11.3	11.3	13.2
120°	9.4	9.4	9.4	11.3	15.0	15.0	15.0	11.3	11.3	11.3	13.2
122.5°	9.4	9.4	9.4	11.3	13.2	15.0	13.2	11.3	9.4	9.4	11.3
125°	9.4	9.4	9.4	11.3	13.2	13.2	11.3	9.4	9.4	9.4	11.3
127.5°	9.4	9.4	9.4	11.3	11.3	11.3	11.3	9.4	9.4	9.4	11.3
130°	9.4	9.4	9.4	9.4	11.3	11.3	9.4	9.4	9.4	9.4	9.4
132.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.5	9.4	9.4	9.4
135°	9.4	9.4	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4
137.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	9.4
140°	7.5	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	7.5
142.5°	7.5	7.5	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
145°	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6
147.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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°	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0	124.0
2.5°	124.0	124.0	122.1	120.3	120.3	120.3	120.3	120.3	118.4	118.4	118.4
5°	125.9	124.0	122.1	120.3	118.4	116.5	114.6	114.6	112.7	112.7	112.7
7.5°	131.5	129.6	124.0	120.3	116.5	114.6	112.7	110.9	109.0	107.1	107.1
10°	140.9	137.2	129.6	124.0	118.4	114.6	110.9	109.0	107.1	107.1	105.2
12.5°	157.8	154.1	142.8	133.4	124.0	118.4	112.7	110.9	110.9	110.9	112.7
15°	186.0	180.4	165.3	152.2	137.2	125.9	122.1	124.0	125.9	127.8	127.8
17.5°	221.7	214.2	197.3	174.7	154.1	140.9	139.0	140.9	144.7	148.4	148.4
20°	263.1	253.7	227.4	201.1	174.7	163.5	157.8	161.6	167.2	174.7	172.9
22.5°	321.3	306.3	274.3	231.1	201.1	186.0	178.5	184.1	195.4	202.9	202.9
25°	387.1	368.3	326.9	268.7	227.4	204.8	201.1	210.4	231.1	242.4	242.4
27.5°	462.2	439.7	383.3	308.2	255.5	225.5	221.7	242.4	268.7	289.4	287.5
30°	550.5	524.2	451.0	349.5	281.8	242.4	246.1	274.3	310.0	334.5	334.5
32.5°	652.0	610.7	516.7	394.6	302.5	257.4	264.9	302.5	345.7	370.2	373.9
35°	747.8	699.0	571.2	428.4	319.4	270.6	280.0	328.8	379.6	409.6	409.6
37.5°	830.5	777.9	614.4	451.0	326.9	278.1	293.1	349.5	398.3	428.4	428.4
40°	870.0	808.0	627.6	454.7	328.8	281.8	300.6	358.9	405.9	430.3	428.4
42.5°	941.4	858.7	629.5	434.0	323.2	283.7	304.4	355.1	390.8	402.1	400.2
45°	1037.2	930.1	638.9	415.3	310.0	280.0	300.6	342.0	362.6	364.5	360.8
47.5°	1161.2	1033.4	652.0	398.3	298.8	274.3	291.2	323.2	334.5	328.8	326.9
50°	1332.2	1151.8	670.8	379.6	291.2	264.9	281.8	310.0	317.5	306.3	304.4
52.5°	1499.4	1270.2	678.3	360.8	283.7	259.3	276.2	304.4	306.3	287.5	285.6
55°	1702.4	1398.0	668.9	340.1	280.0	257.4	276.2	300.6	293.1	274.3	270.6
57.5°	1956.0	1561.4	667.0	321.3	272.5	257.4	278.1	296.9	291.2	278.1	276.2
60°	2113.8	1631.0	637.0	310.0	266.8	261.2	281.8	302.5	295.0	280.0	278.1
62.5°	2226.6	1661.0	591.9	296.9	263.1	261.2	287.5	304.4	293.1	281.8	280.0
65°	2258.5	1631.0	544.9	283.7	257.4	261.2	289.4	302.5	296.9	289.4	289.4
67.5°	2123.2	1495.7	477.3	272.5	249.9	255.5	285.6	304.4	300.6	296.9	295.0
70°	1877.1	1304.0	415.3	257.4	236.8	246.1	280.0	304.4	304.4	302.5	302.5
72.5°	1497.5	1007.1	334.5	240.5	221.7	234.9	272.5	298.8	296.9	295.0	293.1
75°	1200.7	794.8	283.7	218.0	206.7	219.8	261.2	287.5	283.7	283.7	281.8
77.5°	903.8	601.3	240.5	197.3	187.9	206.7	244.3	268.7	266.8	264.9	261.2
80°	653.9	445.3	204.8	178.5	172.9	189.8	223.6	244.3	244.3	244.3	242.4
82.5°	473.5	328.8	178.5	161.6	157.8	172.9	201.1	218.0	225.5	231.1	227.4
85°	311.9	231.1	157.8	146.6	146.6	159.7	182.3	197.3	208.6	214.2	212.3
87.5°	212.3	176.6	139.0	129.6	133.4	146.6	167.2	178.5	187.9	193.5	191.7
90°	150.3	137.2	118.4	110.9	114.6	131.5	150.3	159.7	163.5	165.3	163.5
92.5°	107.1	101.5	93.9	90.2	95.8	114.6	131.5	135.3	135.3	133.4	129.6
95°	80.8	77.0	75.2	71.4	78.9	95.8	109.0	109.0	109.0	103.3	103.3
97.5°	62.0	62.0	62.0	58.2	63.9	77.0	86.4	84.6	84.6	80.8	80.8
100°	50.7	50.7	50.7	48.9	52.6	62.0	65.8	65.8	67.6	65.8	65.8
102.5°	41.3	41.3	41.3	41.3	43.2	50.7	54.5	52.6	54.5	54.5	54.5
105°	33.8	33.8	35.7	33.8	37.6	43.2	43.2	43.2	45.1	41.3	43.2
107.5°	26.3	28.2	28.2	28.2	31.9	35.7	37.6	35.7	35.7	33.8	33.8
110°	22.5	24.4	24.4	24.4	26.3	30.1	31.9	30.1	28.2	28.2	28.2

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 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

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