

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: P695357

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695357
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-23)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5410 lumens
Efficiency: N/A
Efficacy: 101.9 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 - G2

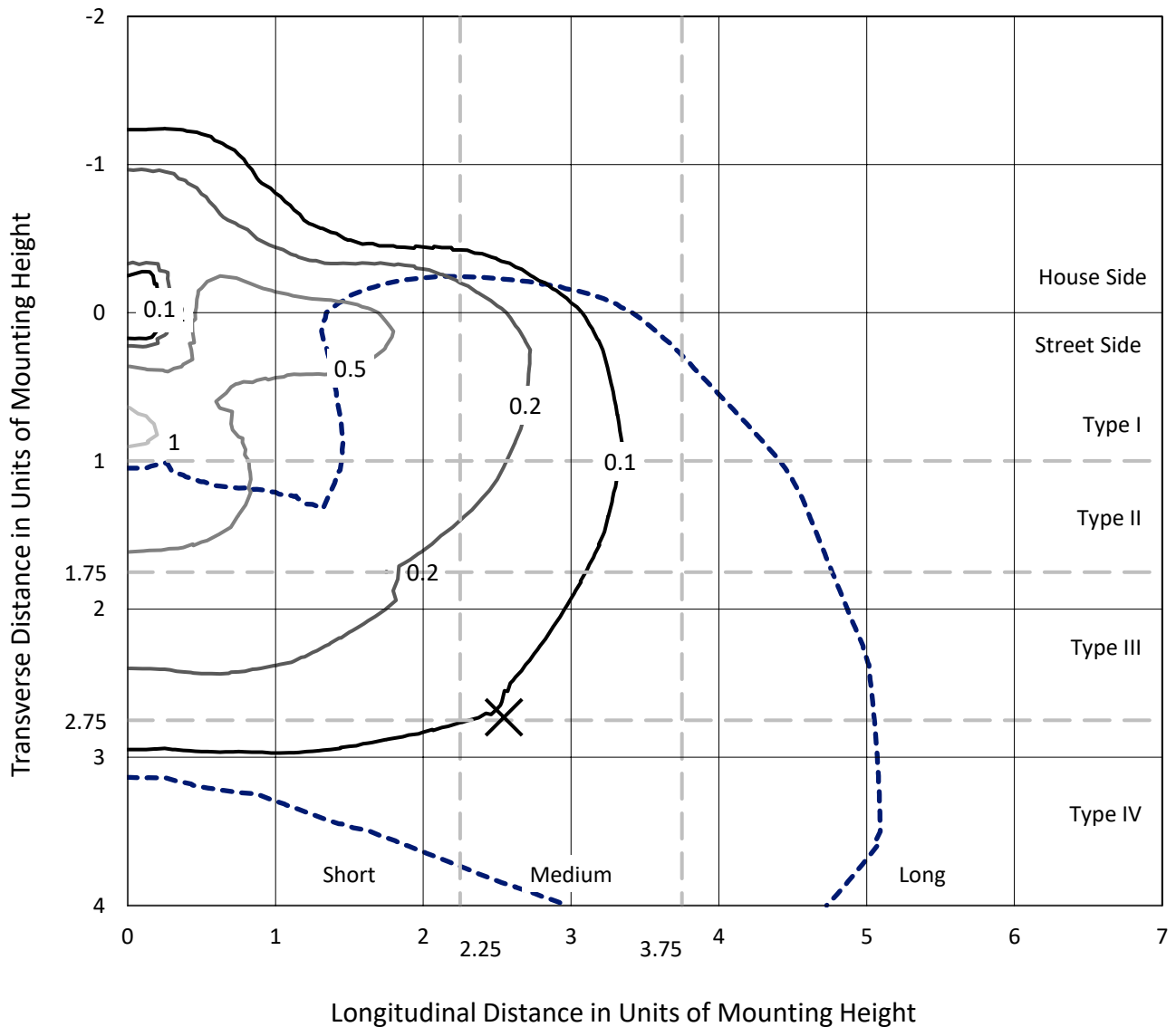
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

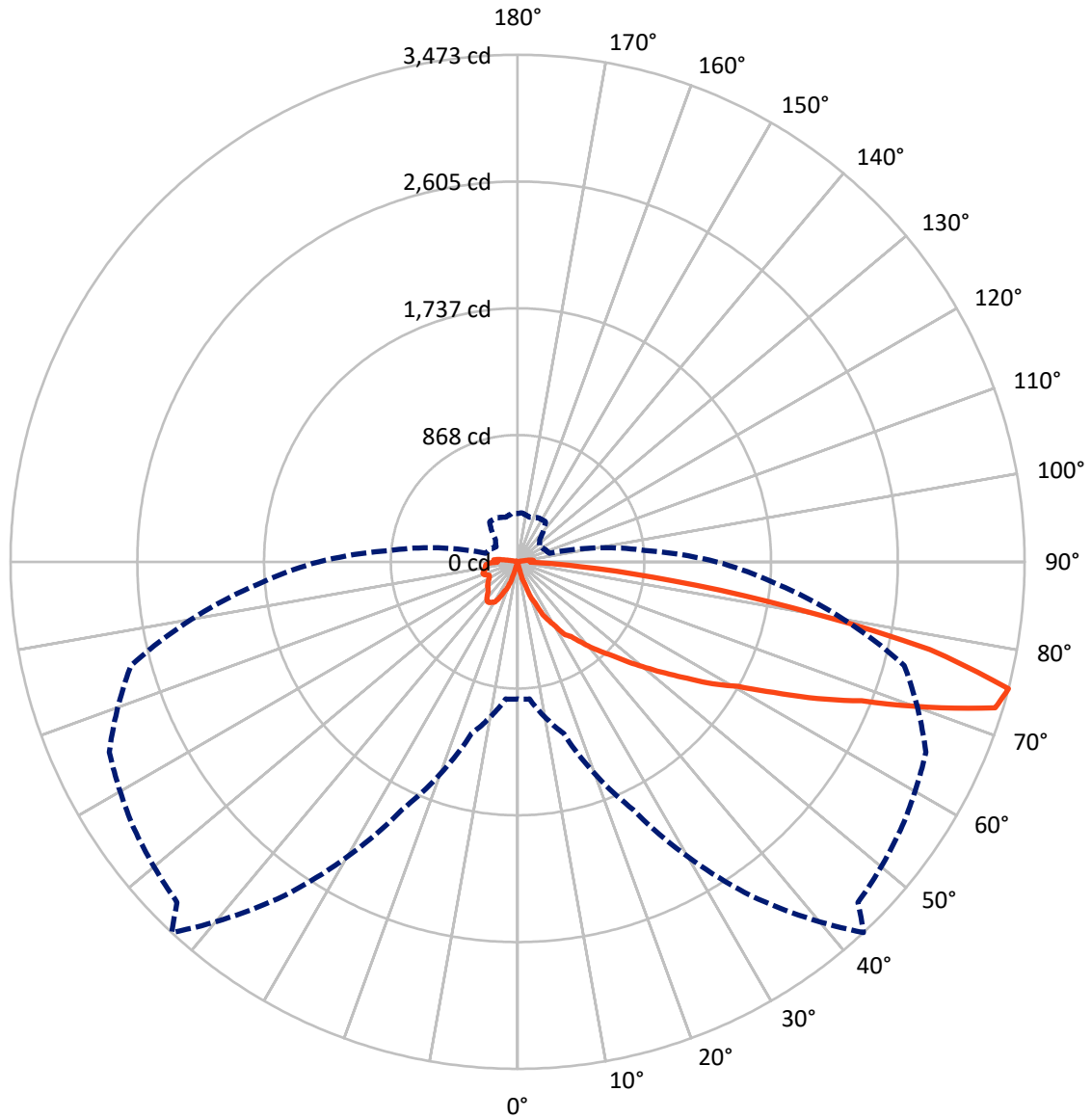
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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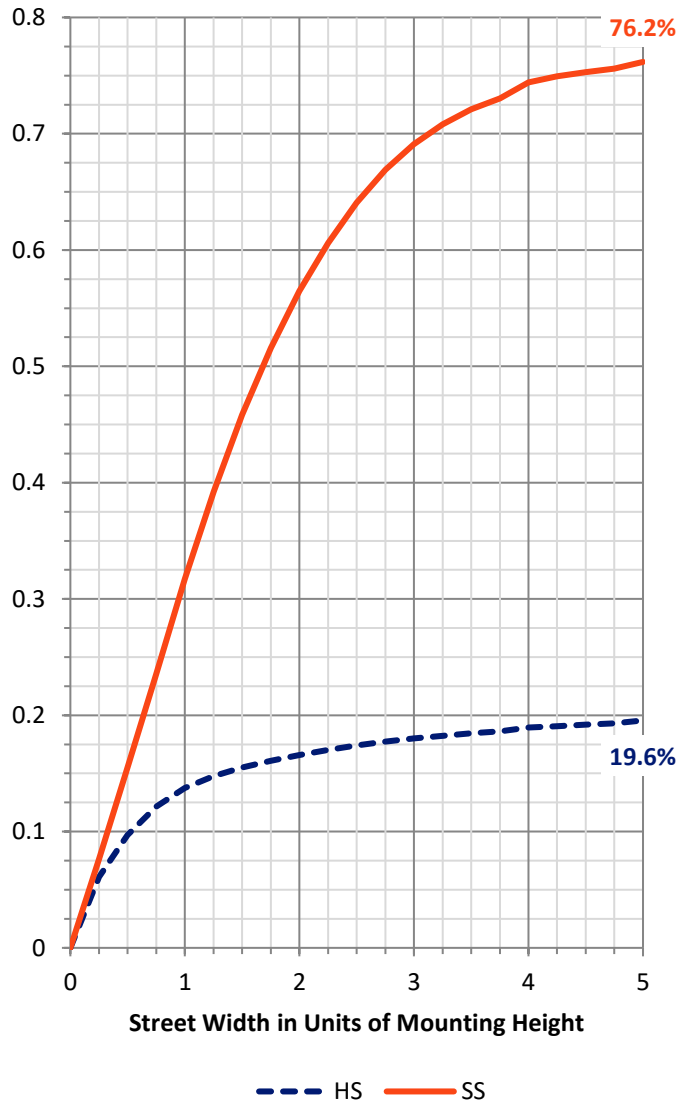
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1127.2	75.9	1203.1
	% Fixture	20.8	1.4	22.2
Street Side	Lumens	4151.8	55.1	4206.9
	% Fixture	76.7	1.0	77.8
Total	Lumens	5279.0	131.0	5410.0
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	32.1	0.6
20°-30°	175.8	3.2
30°-40°	411.4	7.6
40°-50°	623.2	11.5
50°-60°	969.3	17.9
60°-70°	1460.1	27.0
70°-80°	1313.9	24.3
80°-90°	292.8	5.4
90°-100°	100.7	1.9
100°-110°	16.5	0.3
110°-120°	5.3	0.1
120°-130°	3.9	0.1
130°-140°	2.4	0.0
140°-150°	1.9	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5279.0	97.6
0°-180°	5410.0	100.0

Coefficient of Utilization

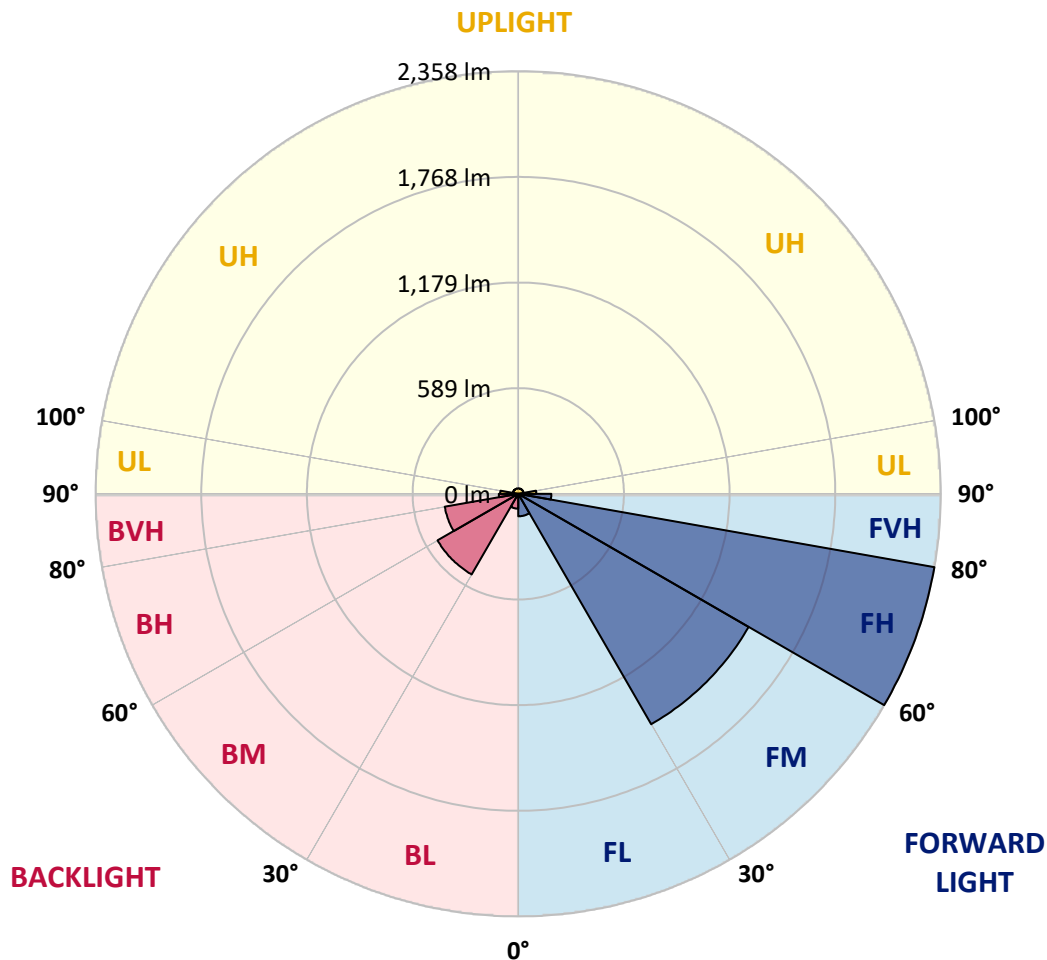


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	125.4	2.3			
FM (30°-60°)	1484.3	27.4			
FH (60°-80°)	2357.7	43.6			G2/5000
FVH (80°-90°)	184.4	3.4			G2/225
BL (0°-30°)	83.0	1.5	B0/110		
BM (30°-60°)	519.5	9.6	B1/1000		
BH (60°-80°)	416.3	7.7	B1/500		G1/500
BVH (80°-90°)	108.4	2.0			G2/225
UL (90°-100°)	100.7	1.9		U3/500	
UH (100°-180°)	30.3	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
7.5°	5.6	5.6	3.8	3.8	5.6	3.8	3.8	3.8	3.8	3.8	3.8
10°	37.6	37.6	33.8	20.7	9.4	5.6	5.6	5.6	3.8	5.6	5.6
12.5°	156.0	156.0	144.7	135.3	41.3	24.4	16.9	9.4	16.9	24.4	31.9
15°	186.1	186.1	178.5	161.6	150.3	118.4	77.1	45.1	122.2	129.7	127.8
17.5°	338.3	291.3	231.2	201.1	169.1	154.1	172.9	140.9	154.1	157.9	156.0
20°	396.5	389.0	372.1	353.3	214.2	261.2	242.4	240.6	187.9	242.4	285.7
22.5°	428.5	428.5	400.3	375.9	381.5	300.7	283.8	272.5	313.8	342.0	340.2
25°	595.7	595.7	571.3	415.3	402.2	400.3	370.2	392.8	394.7	392.8	396.5
27.5°	631.5	625.8	603.3	552.5	447.3	456.7	464.2	437.9	486.7	569.4	563.8
30°	902.1	870.1	706.6	593.9	558.2	511.2	494.3	531.9	582.6	603.3	607.0
32.5°	1046.8	1035.5	960.3	791.2	618.3	595.7	563.8	593.9	605.1	742.3	798.7
35°	1208.4	1187.7	1122.0	894.6	748.0	627.7	614.5	597.6	716.0	778.0	832.5
37.5°	1330.6	1328.7	1270.4	1018.6	830.7	691.6	648.4	665.3	740.5	815.6	866.4
40°	1435.8	1428.3	1402.0	1133.2	900.2	766.8	691.6	704.7	776.2	851.3	909.6
42.5°	1546.7	1541.1	1542.9	1229.1	988.5	841.9	751.7	742.3	819.4	909.6	975.4
45°	1674.5	1670.7	1665.1	1371.9	1088.1	919.0	828.8	802.5	905.8	982.9	1061.8
47.5°	1729.0	1721.5	1760.9	1494.1	1199.0	1026.1	913.4	881.4	1001.7	1091.9	1200.9
50°	1798.5	1791.0	1815.4	1618.1	1330.6	1138.9	1026.1	977.3	1118.2	1242.2	1383.2
52.5°	1930.1	1997.7	1901.9	1753.4	1512.9	1264.8	1138.9	1101.3	1274.2	1443.3	1682.0
55°	2087.9	2072.9	2022.2	1909.4	1680.1	1407.6	1262.9	1242.2	1482.8	1697.0	1990.2
57.5°	2118.0	2101.1	2142.4	2069.1	1873.7	1576.8	1405.7	1415.1	1693.3	1962.0	2336.0
60°	2187.5	2176.3	2253.3	2292.8	2072.9	1732.7	1554.2	1644.4	1909.4	2232.6	2670.5
62.5°	2260.8	2274.0	2388.6	2446.9	2206.3	1969.5	1757.2	1905.6	2240.2	2525.8	2967.5
65°	2249.6	2268.4	2505.1	2535.2	2369.8	2257.1	2009.0	2202.6	2544.6	2828.4	3183.6
67.5°	2193.2	2212.0	2533.3	2655.5	2593.5	2542.7	2296.5	2523.9	2826.5	3033.2	3251.2
70°	2076.7	2078.5	2396.1	2751.3	2867.9	2982.5	2691.2	2839.7	3102.8	3211.8	3084.0
72.5°	1680.1	1693.3	1992.1	2563.4	3068.9	3420.4	3138.5	3134.7	3251.2	3159.2	2537.1
75°	939.7	943.4	1217.8	1873.7	2794.6	3473.0	3298.2	3202.4	3085.9	2741.9	1792.9
77.5°	285.7	319.5	426.6	952.8	1956.4	2886.7	2839.7	2817.1	2580.3	1933.8	975.4
80°	144.7	150.3	191.7	328.9	1011.1	1911.3	1952.6	2022.2	1608.7	834.4	452.9
82.5°	82.7	86.4	116.5	174.8	430.4	1067.5	1172.7	1105.0	691.6	392.8	313.8
85°	41.3	41.3	54.5	80.8	201.1	422.8	490.5	396.5	298.8	259.3	253.7
87.5°	22.6	22.6	18.8	24.4	62.0	94.0	109.0	148.5	159.7	163.5	216.1
90°	24.4	24.4	18.8	20.7	45.1	84.6	120.3	144.7	148.5	156.0	219.9
92.5°	24.4	24.4	18.8	18.8	41.3	99.6	137.2	157.9	154.1	167.3	225.5
95°	24.4	22.6	16.9	18.8	35.7	107.1	129.7	167.3	148.5	150.3	187.9
97.5°	15.0	15.0	11.3	15.0	26.3	82.7	90.2	120.3	101.5	67.7	88.3
100°	11.3	11.3	7.5	11.3	15.0	39.5	37.6	58.3	45.1	15.0	22.6
102.5°	11.3	13.2	7.5	7.5	9.4	11.3	13.2	18.8	18.8	11.3	15.0
105°	13.2	13.2	5.6	5.6	5.6	5.6	7.5	7.5	7.5	9.4	15.0
107.5°	11.3	11.3	5.6	3.8	3.8	5.6	5.6	3.8	5.6	7.5	16.9
110°	7.5	7.5	3.8	3.8	3.8	3.8	3.8	3.8	5.6	7.5	13.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	3.8	5.6	1.9	3.8	1.9	3.8	3.8	3.8	3.8	5.6	7.5
115°	5.6	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8	5.6	7.5
117.5°	5.6	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6	9.4
120°	5.6	5.6	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6	7.5
122.5°	5.6	5.6	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6	7.5
125°	5.6	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	5.6	7.5
127.5°	5.6	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6	7.5
130°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	7.5
132.5°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	5.6
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
142.5°	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
145°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	3.8	3.8	3.8
147.5°	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	3.8
150°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.8	3.8	3.8	1.9	1.9	1.9	3.8	3.8	3.8	3.8	3.8
5°	3.8	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8	3.8
7.5°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8	3.8
10°	5.6	5.6	3.8	3.8	3.8	1.9	3.8	3.8	3.8	3.8	3.8
12.5°	33.8	31.9	22.6	13.2	5.6	3.8	3.8	3.8	5.6	7.5	7.5
15°	129.7	125.9	122.2	110.9	31.9	7.5	5.6	16.9	65.8	92.1	107.1
17.5°	152.2	150.3	146.6	139.1	127.8	43.2	56.4	120.3	142.8	146.6	150.3
20°	280.0	274.4	212.4	159.7	146.6	154.1	135.3	150.3	157.9	163.5	169.1
22.5°	332.6	327.0	310.1	283.8	174.8	203.0	195.5	172.9	263.1	283.8	287.5
25°	389.0	379.6	343.9	315.7	291.3	225.5	242.4	274.4	296.9	312.0	312.0
27.5°	554.4	535.6	490.5	347.7	323.2	276.3	296.9	291.3	328.9	404.1	409.7
30°	599.5	578.8	514.9	430.4	343.9	319.5	306.3	375.9	424.7	441.6	447.3
32.5°	798.7	779.9	667.2	443.5	377.7	319.5	355.2	390.9	424.7	503.7	511.2
35°	838.2	808.1	691.6	511.2	375.9	334.5	357.1	398.4	492.4	528.1	535.6
37.5°	877.6	847.6	689.7	490.5	400.3	340.2	349.6	407.8	458.6	483.0	488.6
40°	932.1	887.0	676.6	456.7	381.5	327.0	345.8	383.4	413.5	421.0	426.6
42.5°	1003.6	941.5	661.5	422.8	353.3	306.3	323.2	351.4	370.2	359.0	359.0
45°	1103.2	1007.3	633.3	389.0	327.0	283.8	304.5	325.1	334.5	313.8	308.2
47.5°	1227.2	1086.3	603.3	357.1	310.1	270.6	293.2	310.1	310.1	281.9	278.1
50°	1377.6	1184.0	563.8	330.8	291.3	263.1	281.9	296.9	287.5	259.3	257.5
52.5°	1606.8	1332.4	526.2	308.2	274.4	255.6	280.0	278.1	265.0	240.6	238.7
55°	1890.6	1526.0	492.4	291.3	263.1	242.4	274.4	266.9	251.8	229.3	229.3
57.5°	2172.5	1738.4	456.7	280.0	250.0	231.2	265.0	261.2	244.3	221.8	219.9
60°	2448.8	1933.8	404.1	270.6	233.0	219.9	253.7	263.1	240.6	218.0	218.0
62.5°	2672.4	2027.8	345.8	255.6	216.1	212.4	248.1	270.6	259.3	250.0	250.0
65°	2745.7	1971.4	300.7	244.3	204.8	206.7	250.0	298.8	302.6	313.8	315.7
67.5°	2695.0	1811.7	270.6	234.9	197.3	216.1	285.7	336.4	327.0	334.5	338.3
70°	2475.1	1576.8	253.7	223.6	197.3	231.2	313.8	336.4	323.2	345.8	347.7
72.5°	2009.0	1276.1	238.7	214.2	189.8	229.3	330.8	332.6	323.2	349.6	345.8
75°	1362.5	879.5	225.5	203.0	180.4	212.4	334.5	332.6	315.7	336.4	330.8
77.5°	687.8	447.3	208.6	189.8	167.3	203.0	330.8	334.5	312.0	328.9	323.2
80°	349.6	287.5	186.1	174.8	152.2	199.2	323.2	330.8	298.8	313.8	312.0
82.5°	268.7	225.5	156.0	152.2	139.1	195.5	312.0	319.5	283.8	295.1	287.5
85°	219.9	178.5	114.6	118.4	125.9	197.3	310.1	315.7	274.4	268.7	265.0
87.5°	186.1	137.2	56.4	60.1	92.1	176.7	265.0	261.2	214.2	212.4	216.1
90°	186.1	125.9	37.6	37.6	75.2	125.9	174.8	157.9	148.5	157.9	156.0
92.5°	184.2	114.6	39.5	39.5	84.6	139.1	197.3	163.5	152.2	156.0	154.1
95°	152.2	94.0	45.1	43.2	73.3	154.1	204.8	167.3	156.0	150.3	150.3
97.5°	77.1	52.6	43.2	43.2	58.3	125.9	163.5	131.6	99.6	82.7	88.3
100°	18.8	20.7	41.3	41.3	35.7	63.9	90.2	80.8	41.3	20.7	18.8
102.5°	15.0	13.2	31.9	35.7	22.6	22.6	41.3	47.0	31.9	9.4	9.4
105°	15.0	13.2	15.0	18.8	11.3	9.4	15.0	26.3	15.0	9.4	9.4
107.5°	16.9	15.0	7.5	7.5	7.5	7.5	7.5	9.4	7.5	9.4	9.4
110°	15.0	13.2	7.5	7.5	5.6	7.5	5.6	7.5	7.5	9.4	9.4

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.4	9.4	5.6	5.6	5.6	5.6	5.6	5.6	7.5	9.4	9.4
115°	9.4	9.4	5.6	5.6	3.8	5.6	5.6	5.6	7.5	11.3	11.3
117.5°	9.4	7.5	5.6	3.8	3.8	3.8	3.8	5.6	7.5	11.3	11.3
120°	9.4	7.5	5.6	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3
122.5°	9.4	7.5	5.6	3.8	3.8	3.8	3.8	3.8	7.5	11.3	11.3
125°	7.5	7.5	5.6	3.8	3.8	3.8	3.8	3.8	5.6	11.3	11.3
127.5°	7.5	7.5	5.6	3.8	3.8	3.8	3.8	3.8	5.6	9.4	11.3
130°	7.5	7.5	3.8	3.8	1.9	1.9	3.8	3.8	5.6	9.4	9.4
132.5°	5.6	5.6	3.8	1.9	1.9	1.9	3.8	3.8	5.6	9.4	9.4
135°	5.6	3.8	3.8	1.9	1.9	1.9	1.9	3.8	5.6	7.5	7.5
137.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
140°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
142.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
145°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
147.5°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
150°	3.8	3.8	3.8	1.9	1.9	1.9	1.9	3.8	3.8	5.6	5.6
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)