

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: P695717

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695717  
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-PA16-60-750-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1160mA 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: 6702 lumens  
Efficiency: N/A  
Efficacy: 108.1 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: B2 - U3 - G3

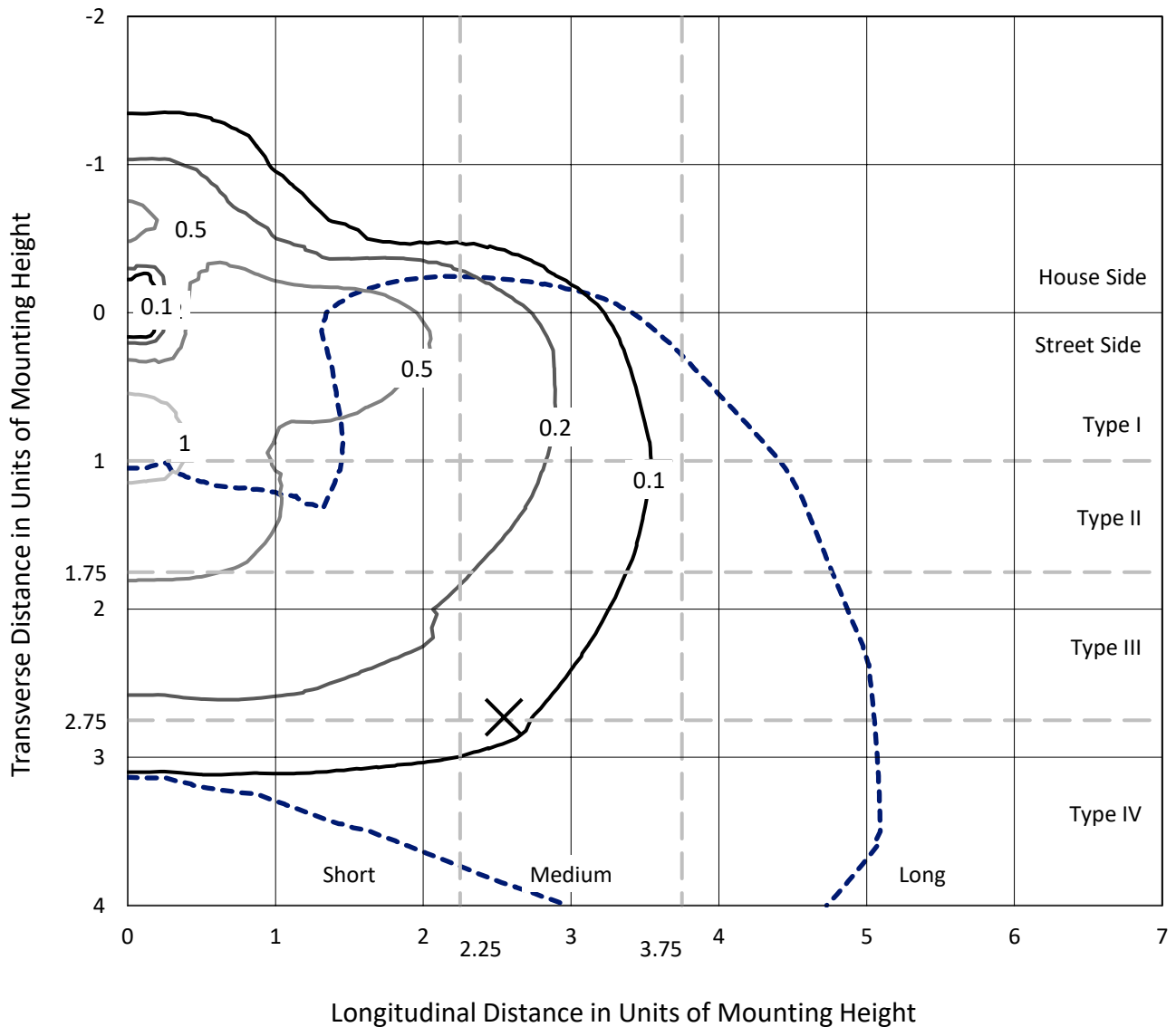
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

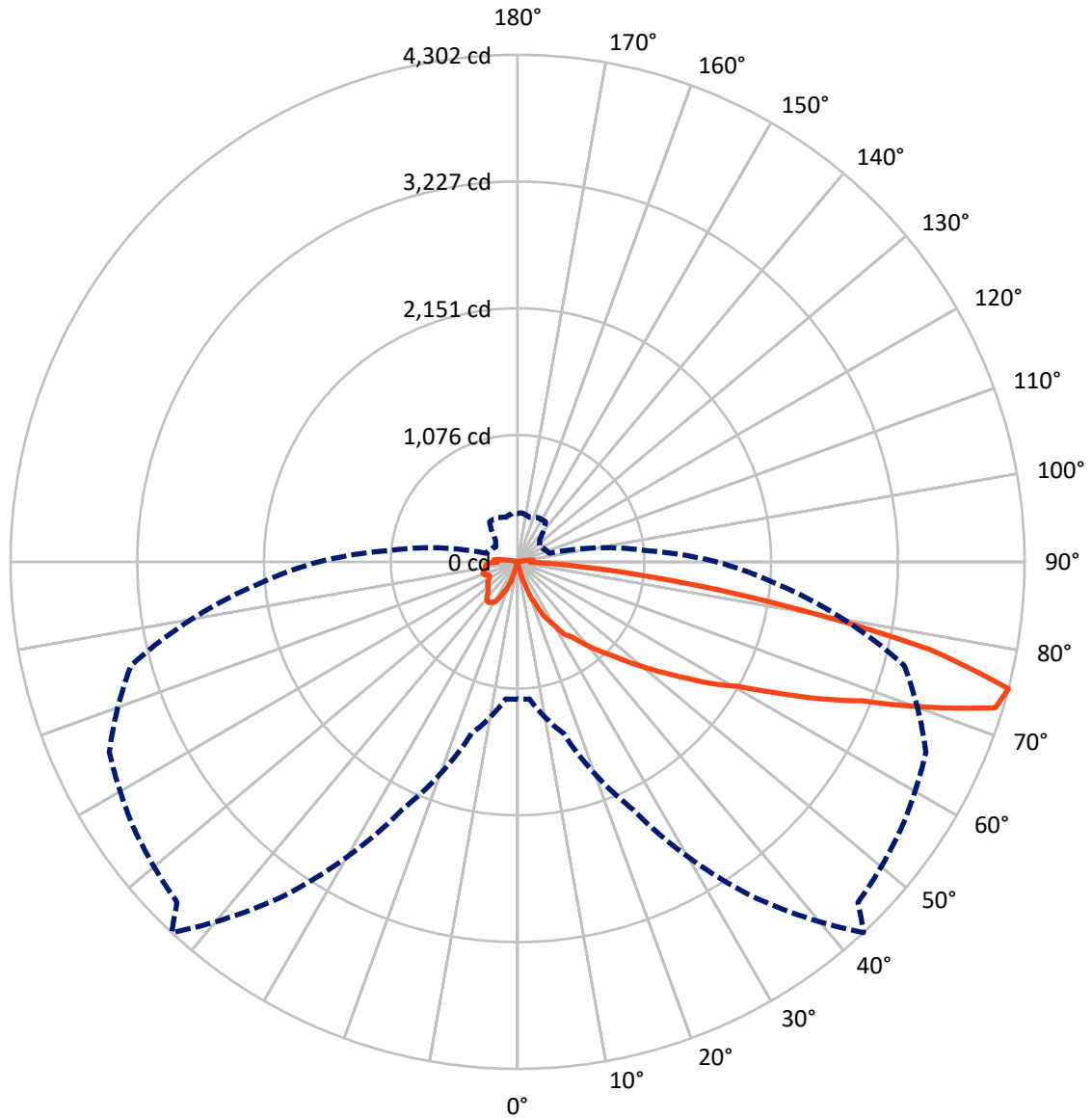
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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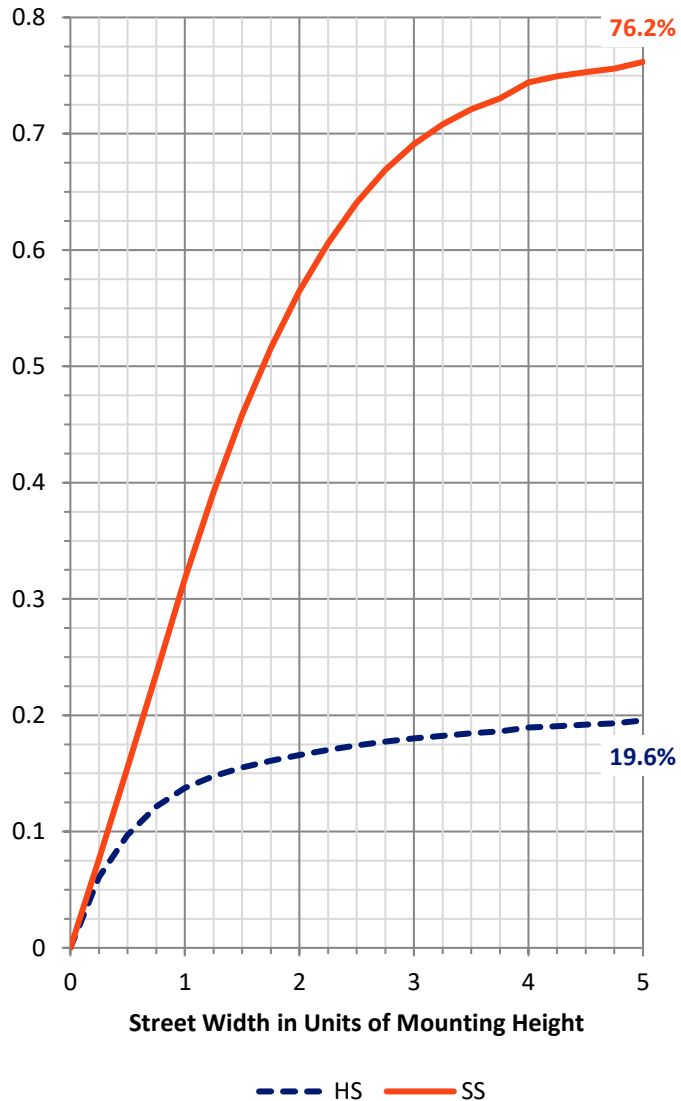
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1396.4	94.0	1490.4
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	5143.4	68.2	5211.6
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	6539.8	162.3	6702.0
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	39.8	0.6
20°-30°	217.7	3.2
30°-40°	509.7	7.6
40°-50°	772.0	11.5
50°-60°	1200.7	17.9
60°-70°	1808.8	27.0
70°-80°	1627.7	24.3
80°-90°	362.8	5.4
90°-100°	124.8	1.9
100°-110°	20.4	0.3
110°-120°	6.6	0.1
120°-130°	4.9	0.1
130°-140°	3.0	0.0
140°-150°	2.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6539.8	97.6
0°-180°	6702.0	100.0

**Coefficient of Utilization**

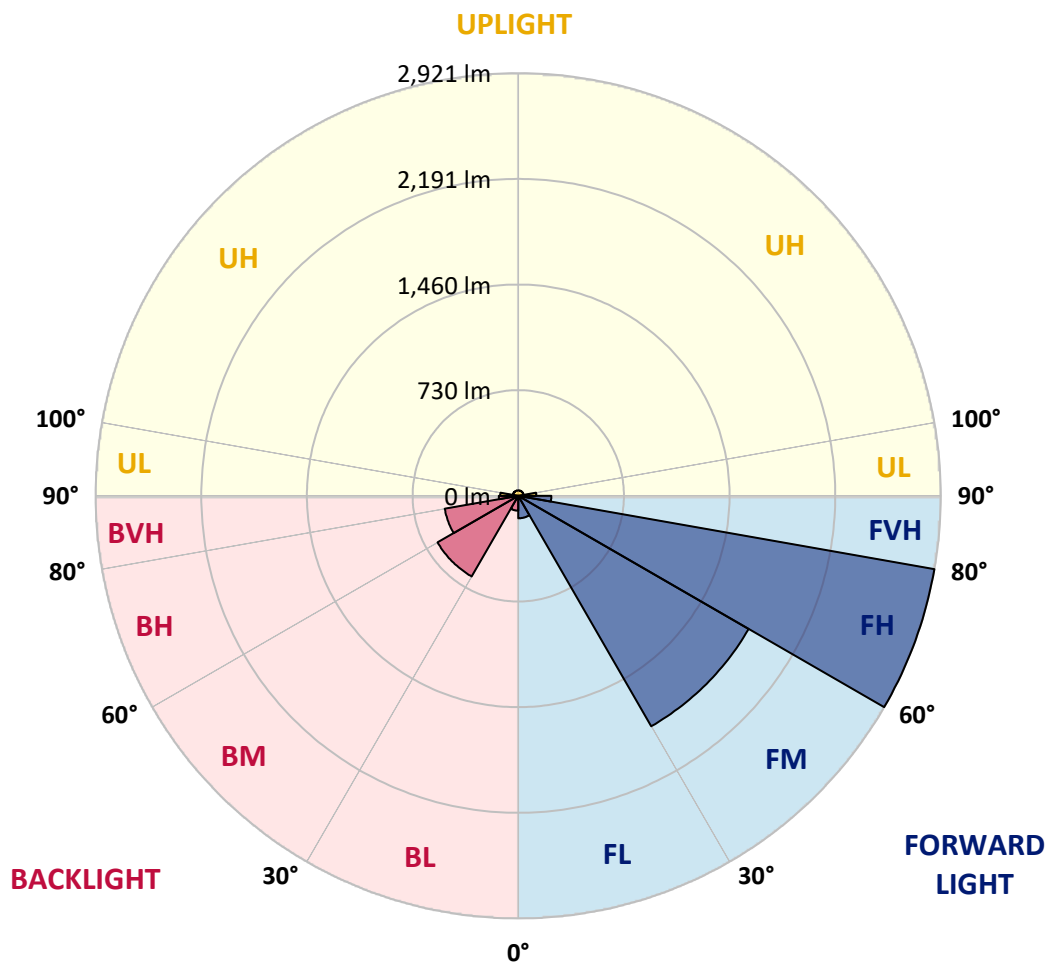


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	155.3	2.3			
FM (30°-60°)	1838.8	27.4			
FH (60°-80°)	2920.7	43.6			G2/5000
FVH (80°-90°)	228.5	3.4			G3/500
BL (0°-30°)	102.8	1.5	B0/110		
BM (30°-60°)	643.6	9.6	B1/1000		
BH (60°-80°)	515.8	7.7	B2/1000		G2/1000
BVH (80°-90°)	134.3	2.0			G2/225
UL (90°-100°)	124.8	1.9		U3/500	
UH (100°-180°)	37.5	0.6		U2/50	

**BUG Rating: B2-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	2.3	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	7.0	7.0	4.7	4.7	7.0	4.7	4.7	4.7	4.7	4.7	4.7
10°	46.6	46.6	41.9	25.6	11.6	7.0	7.0	7.0	4.7	7.0	7.0
12.5°	193.2	193.2	179.3	167.6	51.2	30.3	21.0	11.6	21.0	30.3	39.6
15°	230.5	230.5	221.2	200.2	186.3	146.7	95.5	55.9	151.3	160.6	158.3
17.5°	419.1	360.9	286.4	249.1	209.5	190.9	214.2	174.6	190.9	195.6	193.2
20°	491.2	481.9	461.0	437.7	265.4	323.6	300.3	298.0	232.8	300.3	353.9
22.5°	530.8	530.8	495.9	465.6	472.6	372.5	351.6	337.6	388.8	423.7	421.4
25°	738.0	738.0	707.8	514.5	498.2	495.9	458.6	486.6	488.9	486.6	491.2
27.5°	782.3	775.3	747.3	684.5	554.1	565.7	575.1	542.5	603.0	705.4	698.4
30°	1117.5	1077.9	875.4	735.7	691.5	633.3	612.3	658.9	721.7	747.3	752.0
32.5°	1296.8	1282.8	1189.7	980.2	766.0	738.0	698.4	735.7	749.7	919.6	989.5
35°	1497.0	1471.4	1389.9	1108.2	926.6	777.6	761.3	740.4	887.0	963.9	1031.4
37.5°	1648.3	1646.0	1573.8	1261.9	1029.0	856.8	803.2	824.2	917.3	1010.4	1073.3
40°	1778.7	1769.4	1736.8	1403.9	1115.2	949.9	856.8	873.1	961.5	1054.7	1126.8
42.5°	1916.1	1909.1	1911.4	1522.6	1224.6	1043.0	931.3	919.6	1015.1	1126.8	1208.3
45°	2074.4	2069.7	2062.7	1699.5	1348.0	1138.5	1026.7	994.1	1122.2	1217.6	1315.4
47.5°	2141.9	2132.6	2181.5	1850.9	1485.4	1271.2	1131.5	1091.9	1240.9	1352.7	1487.7
50°	2228.0	2218.7	2249.0	2004.5	1648.3	1410.9	1271.2	1210.6	1385.2	1538.9	1713.5
52.5°	2391.0	2474.8	2356.1	2172.2	1874.2	1566.8	1410.9	1364.3	1578.5	1788.0	2083.7
55°	2586.6	2567.9	2505.1	2365.4	2081.4	1743.8	1564.5	1538.9	1836.9	2102.3	2465.5
57.5°	2623.8	2602.9	2654.1	2563.3	2321.2	1953.3	1741.5	1753.1	2097.7	2430.6	2893.9
60°	2710.0	2696.0	2791.4	2840.3	2567.9	2146.6	1925.4	2037.1	2365.4	2765.8	3308.3
62.5°	2800.8	2817.1	2959.1	3031.2	2733.2	2439.9	2176.8	2360.7	2775.2	3129.0	3676.1
65°	2786.8	2810.1	3103.4	3140.7	2935.8	2796.1	2488.8	2728.6	3152.3	3503.9	3943.9
67.5°	2716.9	2740.2	3138.3	3289.7	3212.8	3150.0	2845.0	3126.7	3501.5	3757.6	4027.7
70°	2572.6	2574.9	2968.4	3408.4	3552.8	3694.8	3333.9	3517.8	3843.8	3978.8	3820.5
72.5°	2081.4	2097.7	2467.8	3175.6	3801.9	4237.2	3888.0	3883.4	4027.7	3913.6	3143.0
75°	1164.1	1168.7	1508.6	2321.2	3462.0	4302.4	4085.9	3967.2	3822.8	3396.8	2221.1
77.5°	353.9	395.8	528.5	1180.4	2423.6	3576.0	3517.8	3489.9	3196.5	2395.7	1208.3
80°	179.3	186.3	237.5	407.4	1252.5	2367.7	2418.9	2505.1	1992.9	1033.7	561.1
82.5°	102.4	107.1	144.3	216.5	533.1	1322.4	1452.8	1369.0	856.8	486.6	388.8
85°	51.2	51.2	67.5	100.1	249.1	523.8	607.6	491.2	370.2	321.3	314.3
87.5°	27.9	27.9	23.3	30.3	76.8	116.4	135.0	183.9	197.9	202.5	267.7
90°	30.3	30.3	23.3	25.6	55.9	104.8	149.0	179.3	183.9	193.2	272.4
92.5°	30.3	30.3	23.3	23.3	51.2	123.4	170.0	195.6	190.9	207.2	279.4
95°	30.3	27.9	21.0	23.3	44.2	132.7	160.6	207.2	183.9	186.3	232.8
97.5°	18.6	18.6	14.0	18.6	32.6	102.4	111.8	149.0	125.7	83.8	109.4
100°	14.0	14.0	9.3	14.0	18.6	48.9	46.6	72.2	55.9	18.6	27.9
102.5°	14.0	16.3	9.3	9.3	11.6	14.0	16.3	23.3	23.3	14.0	18.6
105°	16.3	16.3	7.0	7.0	7.0	7.0	9.3	9.3	9.3	11.6	18.6
107.5°	14.0	14.0	7.0	4.7	4.7	7.0	7.0	4.7	7.0	9.3	21.0
110°	9.3	9.3	4.7	4.7	4.7	4.7	4.7	4.7	7.0	9.3	16.3

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	4.7	7.0	2.3	4.7	2.3	4.7	4.7	4.7	4.7	7.0	9.3
115°	7.0	4.7	2.3	2.3	2.3	4.7	4.7	4.7	4.7	7.0	9.3
117.5°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	11.6
120°	7.0	7.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3
122.5°	7.0	7.0	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3
125°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	7.0	9.3
127.5°	7.0	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0	9.3
130°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	9.3
132.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	7.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
142.5°	4.7	4.7	2.3	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
145°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	4.7
150°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	2.3	4.7	4.7	4.7
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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	2.3	2.3	2.3	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	2.3	4.7	4.7	4.7	4.7	4.7	4.7
7.5°	4.7	4.7	4.7	4.7	2.3	2.3	4.7	4.7	4.7	4.7	4.7
10°	7.0	7.0	4.7	4.7	4.7	2.3	4.7	4.7	4.7	4.7	4.7
12.5°	41.9	39.6	27.9	16.3	7.0	4.7	4.7	4.7	7.0	9.3	9.3
15°	160.6	156.0	151.3	137.4	39.6	9.3	7.0	21.0	81.5	114.1	132.7
17.5°	188.6	186.3	181.6	172.3	158.3	53.5	69.8	149.0	176.9	181.6	186.3
20°	346.9	339.9	263.1	197.9	181.6	190.9	167.6	186.3	195.6	202.5	209.5
22.5°	412.1	405.1	384.1	351.6	216.5	251.4	242.1	214.2	325.9	351.6	356.2
25°	481.9	470.3	426.1	391.1	360.9	279.4	300.3	339.9	367.8	386.5	386.5
27.5°	686.8	663.5	607.6	430.7	400.4	342.2	367.8	360.9	407.4	500.6	507.5
30°	742.7	717.1	637.9	533.1	426.1	395.8	379.5	465.6	526.2	547.1	554.1
32.5°	989.5	966.2	826.5	549.4	468.0	395.8	440.0	484.3	526.2	623.9	633.3
35°	1038.4	1001.1	856.8	633.3	465.6	414.4	442.3	493.6	610.0	654.2	663.5
37.5°	1087.2	1050.0	854.4	607.6	495.9	421.4	433.0	505.2	568.1	598.3	605.3
40°	1154.8	1098.9	838.1	565.7	472.6	405.1	428.4	474.9	512.2	521.5	528.5
42.5°	1243.2	1166.4	819.5	523.8	437.7	379.5	400.4	435.4	458.6	444.7	444.7
45°	1366.6	1247.9	784.6	481.9	405.1	351.6	377.2	402.8	414.4	388.8	381.8
47.5°	1520.3	1345.7	747.3	442.3	384.1	335.3	363.2	384.1	384.1	349.2	344.6
50°	1706.5	1466.7	698.4	409.8	360.9	325.9	349.2	367.8	356.2	321.3	319.0
52.5°	1990.6	1650.7	651.9	381.8	339.9	316.6	346.9	344.6	328.3	298.0	295.7
55°	2342.1	1890.5	610.0	360.9	325.9	300.3	339.9	330.6	312.0	284.0	284.0
57.5°	2691.3	2153.5	565.7	346.9	309.6	286.4	328.3	323.6	302.7	274.7	272.4
60°	3033.6	2395.7	500.6	335.3	288.7	272.4	314.3	325.9	298.0	270.1	270.1
62.5°	3310.6	2512.1	428.4	316.6	267.7	263.1	307.3	335.3	321.3	309.6	309.6
65°	3401.4	2442.2	372.5	302.7	253.8	256.1	309.6	370.2	374.8	388.8	391.1
67.5°	3338.6	2244.3	335.3	291.0	244.5	267.7	353.9	416.7	405.1	414.4	419.1
70°	3066.2	1953.3	314.3	277.0	244.5	286.4	388.8	416.7	400.4	428.4	430.7
72.5°	2488.8	1580.8	295.7	265.4	235.1	284.0	409.8	412.1	400.4	433.0	428.4
75°	1687.9	1089.6	279.4	251.4	223.5	263.1	414.4	412.1	391.1	416.7	409.8
77.5°	852.1	554.1	258.4	235.1	207.2	251.4	409.8	414.4	386.5	407.4	400.4
80°	433.0	356.2	230.5	216.5	188.6	246.8	400.4	409.8	370.2	388.8	386.5
82.5°	332.9	279.4	193.2	188.6	172.3	242.1	386.5	395.8	351.6	365.5	356.2
85°	272.4	221.2	142.0	146.7	156.0	244.5	384.1	391.1	339.9	332.9	328.3
87.5°	230.5	170.0	69.8	74.5	114.1	218.8	328.3	323.6	265.4	263.1	267.7
90°	230.5	156.0	46.6	46.6	93.1	156.0	216.5	195.6	183.9	195.6	193.2
92.5°	228.2	142.0	48.9	48.9	104.8	172.3	244.5	202.5	188.6	193.2	190.9
95°	188.6	116.4	55.9	53.5	90.8	190.9	253.8	207.2	193.2	186.3	186.3
97.5°	95.5	65.2	53.5	53.5	72.2	156.0	202.5	163.0	123.4	102.4	109.4
100°	23.3	25.6	51.2	51.2	44.2	79.2	111.8	100.1	51.2	25.6	23.3
102.5°	18.6	16.3	39.6	44.2	27.9	27.9	51.2	58.2	39.6	11.6	11.6
105°	18.6	16.3	18.6	23.3	14.0	11.6	18.6	32.6	18.6	11.6	11.6
107.5°	21.0	18.6	9.3	9.3	9.3	9.3	9.3	11.6	9.3	11.6	11.6
110°	18.6	16.3	9.3	9.3	7.0	9.3	7.0	9.3	9.3	11.6	11.6

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 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.6	11.6	7.0	7.0	7.0	7.0	7.0	7.0	9.3	11.6	11.6
115°	11.6	11.6	7.0	7.0	4.7	7.0	7.0	7.0	9.3	14.0	14.0
117.5°	11.6	9.3	7.0	4.7	4.7	4.7	4.7	7.0	9.3	14.0	14.0
120°	11.6	9.3	7.0	4.7	4.7	4.7	4.7	4.7	9.3	14.0	14.0
122.5°	11.6	9.3	7.0	4.7	4.7	4.7	4.7	4.7	9.3	14.0	14.0
125°	9.3	9.3	7.0	4.7	4.7	4.7	4.7	4.7	7.0	14.0	14.0
127.5°	9.3	9.3	7.0	4.7	4.7	4.7	4.7	4.7	7.0	11.6	14.0
130°	9.3	9.3	4.7	4.7	2.3	2.3	4.7	4.7	7.0	11.6	11.6
132.5°	7.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	7.0	11.6	11.6
135°	7.0	4.7	4.7	2.3	2.3	2.3	2.3	4.7	7.0	9.3	9.3
137.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
140°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
142.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
145°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
147.5°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
150°	4.7	4.7	4.7	2.3	2.3	2.3	2.3	4.7	4.7	7.0	7.0
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)