

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: P695432

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-750-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5795 lumens  
Efficiency: N/A  
Efficacy: 109.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U3 - G2

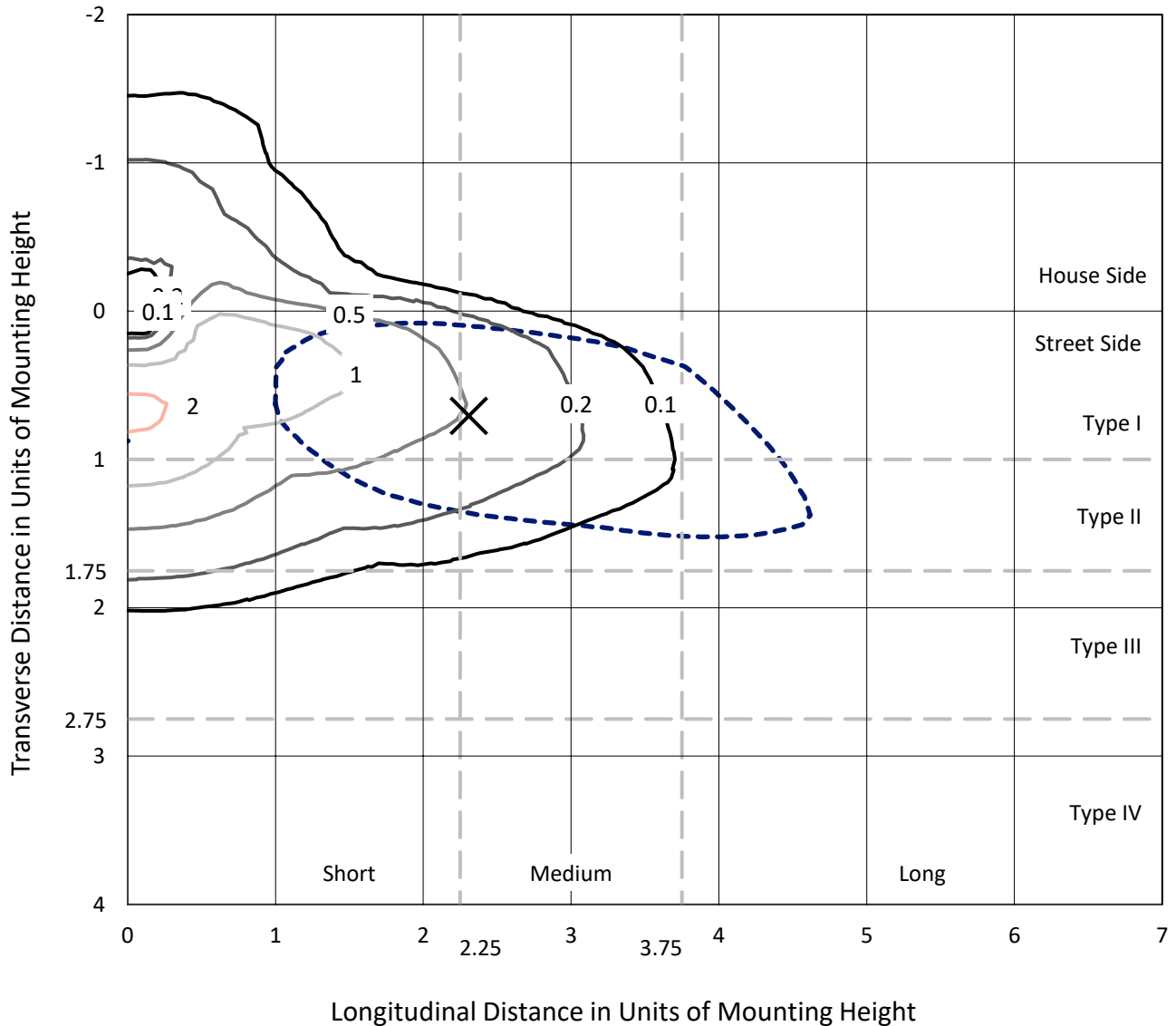
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

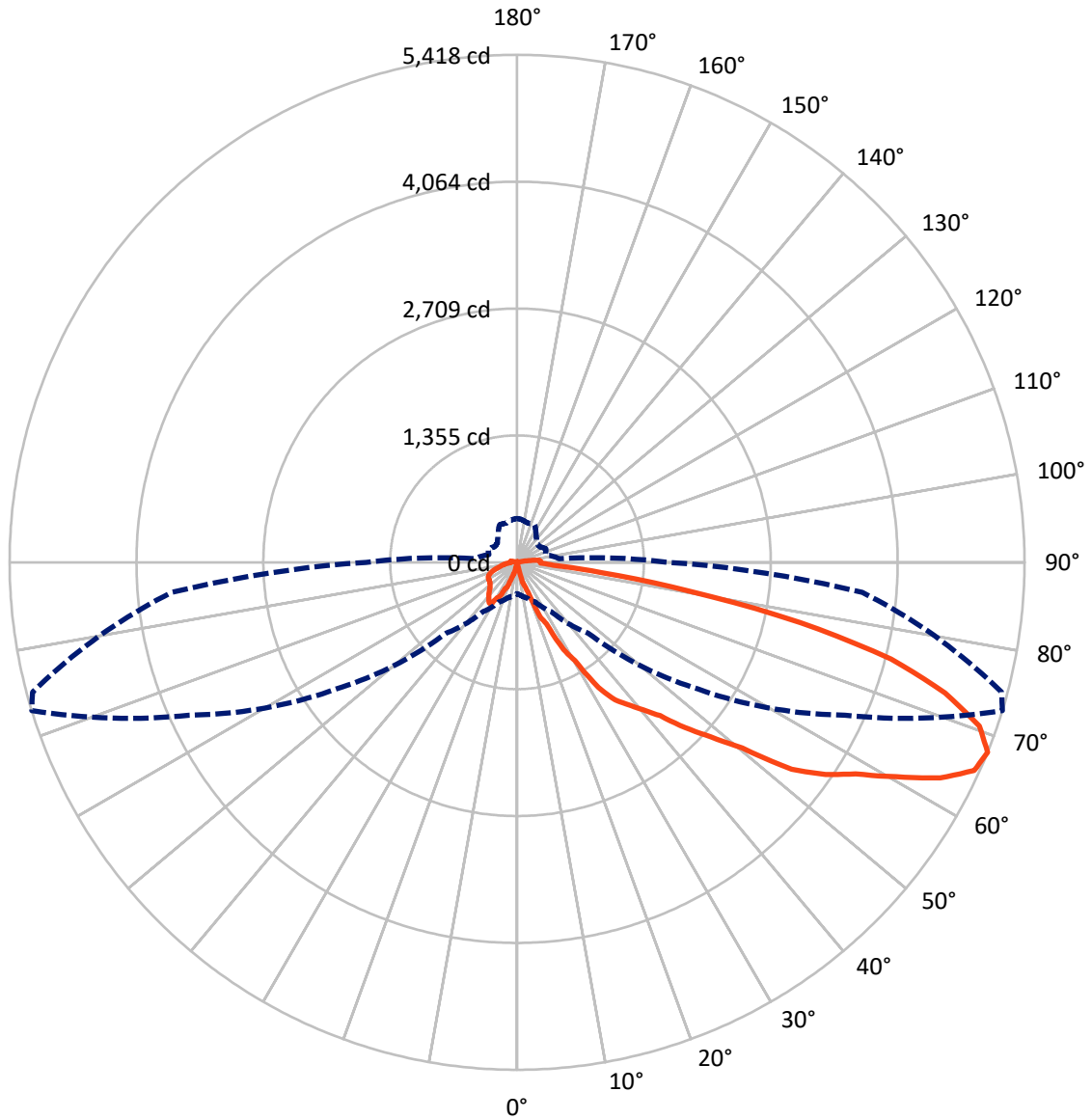
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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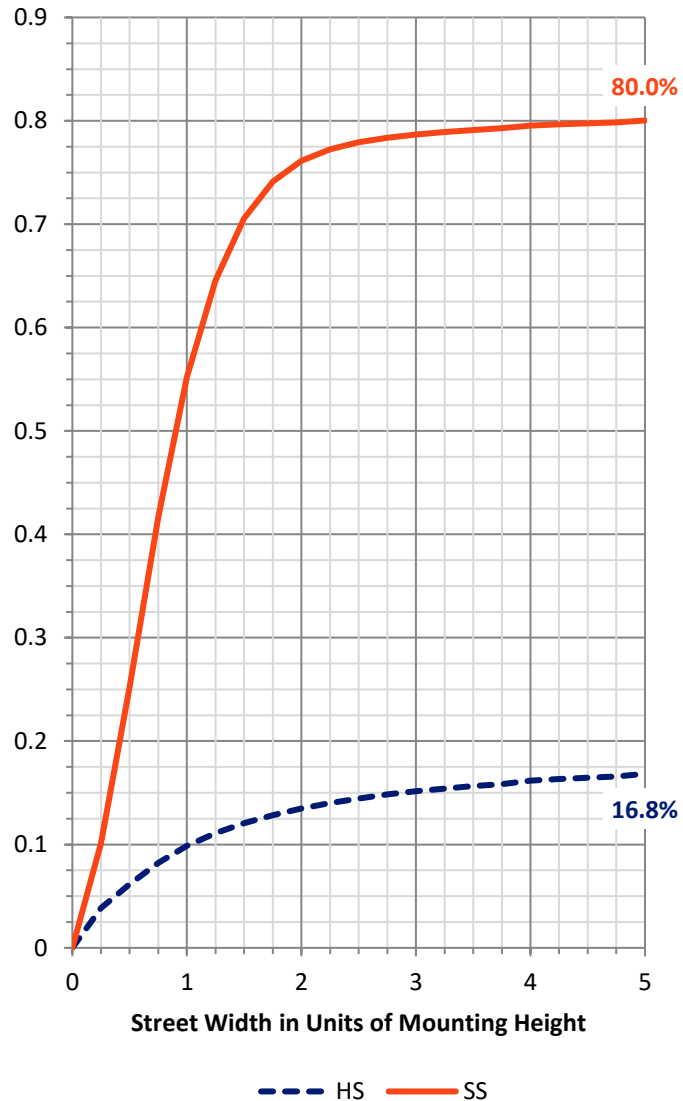
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1024.4	43.6	1068.0
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	4673.4	53.6	4727.0
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	5697.8	97.2	5795.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	46.9	0.8
20°-30°	290.0	5.0
30°-40°	729.7	12.6
40°-50°	1053.7	18.2
50°-60°	1288.6	22.2
60°-70°	1270.5	21.9
70°-80°	799.3	13.8
80°-90°	218.5	3.8
90°-100°	63.5	1.1
100°-110°	13.6	0.2
110°-120°	7.0	0.1
120°-130°	5.8	0.1
130°-140°	4.0	0.1
140°-150°	2.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5697.8	98.3
0°-180°	5795.0	100.0

**Coefficient of Utilization**

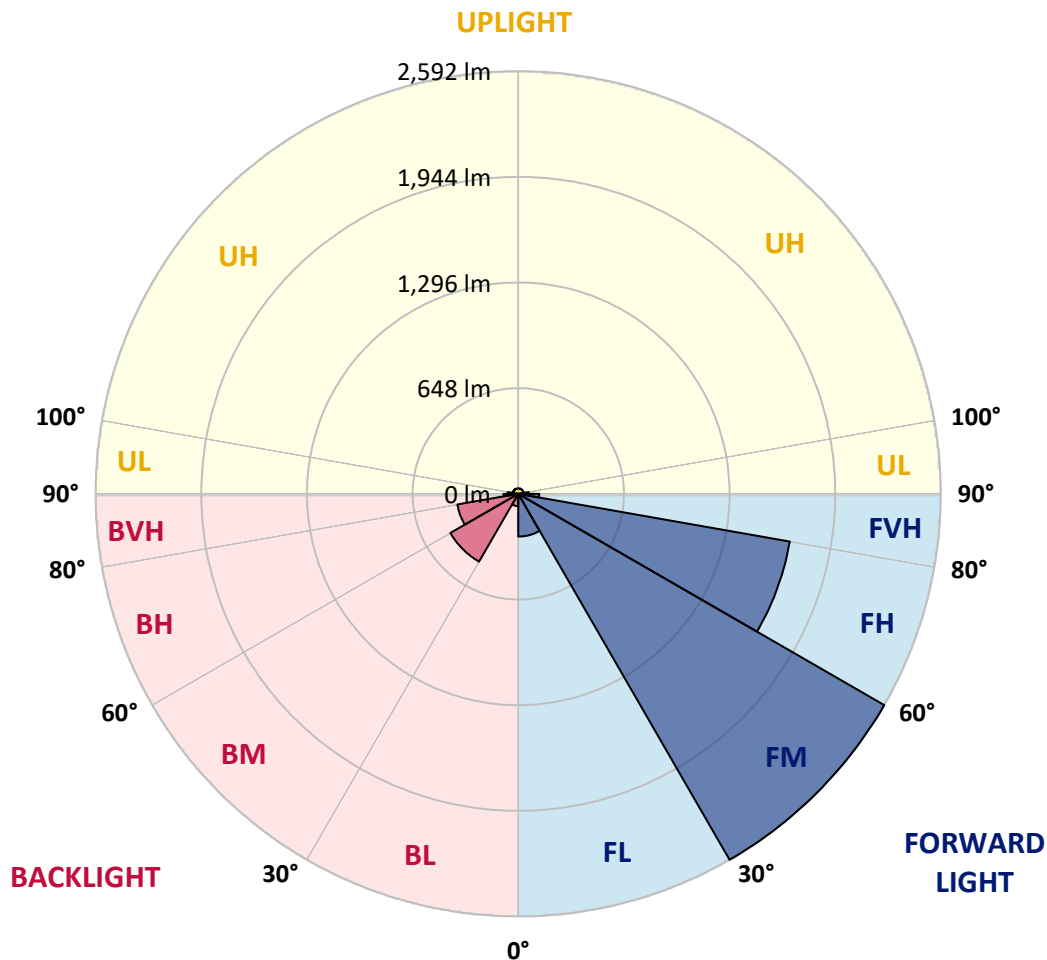


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.3	4.5			
FM (30°-60°)	2591.5	44.7			
FH (60°-80°)	1690.9	29.2			G1/1800
FVH (80°-90°)	128.7	2.2			G2/225
BL (0°-30°)	75.2	1.3	B0/110		
BM (30°-60°)	480.5	8.3	B1/1000		
BH (60°-80°)	378.9	6.5	B1/500		G1/500
BVH (80°-90°)	89.8	1.5			G1/100
UL (90°-100°)	63.5	1.1		U3/500	
UH (100°-180°)	33.6	0.6		U2/50	

**BUG Rating: B1-U3-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1
5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1
7.5°	8.2	10.3	8.2	8.2	8.2	8.2	8.2	6.2	4.1	4.1	4.1
10°	35.0	32.9	22.6	20.6	12.3	10.3	8.2	6.2	6.2	6.2	6.2
12.5°	275.7	273.7	267.5	240.8	41.2	20.6	12.3	16.5	22.6	26.8	30.9
15°	316.9	321.0	314.8	308.7	298.4	98.8	43.2	238.7	222.2	214.0	164.6
17.5°	572.1	428.0	376.6	368.3	345.7	290.2	263.4	292.2	265.5	257.2	199.6
20°	786.1	782.0	767.6	740.8	415.7	528.9	506.2	343.7	347.8	368.3	393.0
22.5°	878.7	874.6	856.1	827.2	864.3	609.1	574.1	637.9	631.7	613.2	475.4
25°	1440.5	1421.9	1321.1	963.1	965.1	849.9	880.7	821.1	724.4	705.8	553.6
27.5°	1561.9	1572.2	1547.5	1405.5	1105.0	1131.8	967.2	944.5	1053.6	1084.5	837.5
30°	2088.7	2138.1	1901.4	1603.0	1448.7	1236.7	1185.3	1296.4	1218.2	1183.2	915.7
32.5°	2440.6	2417.9	2372.7	2000.2	1644.2	1481.6	1479.6	1430.2	1594.8	1590.7	1286.1
35°	2580.5	2562.0	2516.7	2191.6	1891.1	1738.9	1609.2	1778.0	1804.7	1736.8	1372.6
37.5°	2685.4	2664.9	2611.4	2261.5	2088.7	1843.8	1897.3	1905.5	1930.2	1915.8	1448.7
40°	2691.6	2679.3	2642.2	2360.3	2197.7	1926.1	2055.8	2074.3	2068.1	2105.1	1545.4
42.5°	2669.0	2644.3	2621.7	2378.8	2255.4	1989.9	2177.2	2284.2	2238.9	2292.4	1658.6
45°	2580.5	2551.7	2541.4	2378.8	2247.1	2033.1	2319.2	2481.7	2516.7	2469.4	1782.1
47.5°	2430.3	2424.1	2428.2	2323.3	2238.9	2082.5	2455.0	2631.9	2784.2	2710.1	1963.2
50°	2278.0	2288.3	2317.1	2259.5	2214.2	2111.3	2627.8	2891.2	3115.5	3014.7	2234.8
52.5°	2037.2	2051.6	2134.0	2156.6	2144.2	2109.3	2761.6	3241.1	3671.1	3531.2	2516.7
55°	1817.1	1825.3	1880.8	1963.2	2010.5	2066.0	2815.1	3395.4	3998.3	3839.9	2699.9
57.5°	1566.0	1549.5	1621.6	1740.9	1847.9	2006.4	2870.7	3516.8	4261.7	4175.3	2938.6
60°	1267.6	1232.6	1337.6	1448.7	1611.3	1882.9	2905.6	3726.7	4648.6	4599.2	3286.3
62.5°	854.0	870.5	975.4	1125.6	1352.0	1675.1	2866.5	3918.1	5068.4	5039.6	3576.5
65°	537.1	559.7	627.6	757.3	987.8	1409.6	2701.9	4008.6	5360.6	5311.2	3743.2
67.5°	335.4	349.8	393.0	471.2	648.2	1068.0	2360.3	3862.5	5418.2	5354.4	3702.0
70°	277.8	281.9	288.1	306.6	399.2	738.8	1876.7	3483.9	5235.1	5245.4	3531.2
72.5°	249.0	253.1	253.1	251.1	257.2	463.0	1337.6	2955.0	4778.2	4778.2	3191.7
75°	228.4	230.5	224.3	222.2	218.1	288.1	817.0	2341.8	4125.9	4047.7	2666.9
77.5°	201.7	205.8	199.6	199.6	197.6	220.2	473.3	1786.2	3090.8	2959.1	1798.5
80°	172.9	172.9	172.9	172.9	174.9	174.9	296.3	1226.5	1862.3	1716.2	971.3
82.5°	137.9	135.8	139.9	148.2	144.0	133.8	228.4	714.1	903.4	819.0	479.5
85°	53.5	65.9	76.1	92.6	96.7	92.6	174.9	351.9	384.8	411.6	296.3
87.5°	30.9	30.9	24.7	24.7	26.8	37.0	109.1	212.0	249.0	279.9	261.3
90°	32.9	32.9	24.7	22.6	22.6	30.9	94.7	193.4	253.1	281.9	265.5
92.5°	35.0	35.0	24.7	22.6	22.6	24.7	78.2	172.9	251.1	288.1	259.3
95°	30.9	32.9	22.6	20.6	22.6	22.6	57.6	137.9	232.5	236.6	242.8
97.5°	20.6	22.6	14.4	16.5	20.6	18.5	30.9	80.3	123.5	94.7	113.2
100°	12.3	14.4	10.3	12.3	14.4	14.4	16.5	35.0	30.9	20.6	20.6
102.5°	12.3	12.3	8.2	10.3	10.3	8.2	8.2	14.4	12.3	12.3	20.6
105°	12.3	12.3	8.2	8.2	6.2	6.2	6.2	10.3	10.3	12.3	20.6
107.5°	8.2	10.3	6.2	6.2	6.2	6.2	4.1	6.2	10.3	10.3	22.6
110°	6.2	6.2	4.1	4.1	4.1	6.2	4.1	6.2	8.2	10.3	16.5

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	4.1	6.2	4.1	4.1	4.1	4.1	4.1	6.2	8.2	8.2	10.3
115°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	8.2	12.3
117.5°	6.2	6.2	4.1	4.1	2.1	4.1	4.1	4.1	6.2	8.2	12.3
120°	6.2	6.2	4.1	4.1	2.1	2.1	4.1	4.1	8.2	8.2	12.3
122.5°	6.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	6.2	8.2	12.3
125°	6.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	6.2	8.2	10.3
127.5°	6.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	10.3
130°	6.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	10.3
132.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	8.2
135°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
137.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
140°	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
142.5°	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1
145°	8.2	8.2	8.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	8.2	8.2	8.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1
150°	8.2	10.3	8.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1
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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
2.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
5°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
7.5°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1
10°	6.2	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	2.1
12.5°	30.9	30.9	22.6	10.3	4.1	2.1	2.1	2.1	6.2	6.2	6.2
15°	150.2	135.8	121.4	107.0	28.8	4.1	4.1	18.5	70.0	98.8	102.9
17.5°	174.9	158.5	142.0	129.6	115.2	43.2	47.3	123.5	127.6	129.6	127.6
20°	337.5	300.4	195.5	148.2	127.6	133.8	117.3	131.7	142.0	146.1	146.1
22.5°	401.3	345.7	296.3	259.3	152.3	183.1	170.8	152.3	236.6	242.8	244.9
25°	465.1	393.0	319.0	275.7	265.5	189.3	201.7	232.5	251.1	255.2	253.1
27.5°	679.1	559.7	446.5	298.4	281.9	236.6	253.1	244.9	267.5	327.2	333.4
30°	730.5	582.4	454.8	362.2	296.3	277.8	261.3	319.0	345.7	345.7	347.8
32.5°	1012.4	777.9	559.7	362.2	327.2	279.9	312.8	333.4	349.8	374.5	366.3
35°	1059.8	786.1	553.6	419.8	327.2	294.3	323.1	343.7	419.8	428.0	426.0
37.5°	1098.9	777.9	522.7	407.4	353.9	312.8	329.3	393.0	423.9	421.9	417.7
40°	1142.1	765.5	491.8	399.2	351.9	314.8	351.9	395.1	413.6	403.3	393.0
42.5°	1191.5	747.0	465.1	380.7	343.7	316.9	353.9	384.8	382.8	376.6	370.4
45°	1255.3	726.4	434.2	364.2	339.5	312.8	347.8	358.1	372.5	368.3	364.2
47.5°	1349.9	705.8	407.4	349.8	335.4	306.6	351.9	364.2	376.6	366.3	364.2
50°	1489.9	677.0	384.8	345.7	333.4	325.1	323.1	374.5	384.8	360.1	356.0
52.5°	1584.5	644.1	372.5	341.6	327.2	316.9	343.7	370.4	380.7	351.9	349.8
55°	1648.3	596.8	362.2	341.6	323.1	298.4	372.5	378.6	378.6	345.7	341.6
57.5°	1718.3	563.8	356.0	347.8	321.0	277.8	388.9	386.9	378.6	335.4	337.5
60°	1819.1	543.3	349.8	353.9	321.0	284.0	382.8	405.4	378.6	341.6	353.9
62.5°	1876.7	522.7	345.7	356.0	316.9	284.0	370.4	432.1	409.5	382.8	384.8
65°	1796.5	495.9	333.4	353.9	310.7	290.2	358.1	442.4	438.3	426.0	428.0
67.5°	1613.3	450.7	310.7	339.5	290.2	294.3	351.9	442.4	434.2	461.0	467.1
70°	1409.6	397.2	277.8	314.8	275.7	290.2	366.3	428.0	428.0	477.4	487.7
72.5°	1193.5	325.1	240.8	288.1	275.7	281.9	382.8	411.6	411.6	477.4	475.4
75°	979.5	259.3	201.7	246.9	255.2	281.9	380.7	393.0	382.8	436.3	426.0
77.5°	716.1	205.8	172.9	207.8	230.5	281.9	368.3	366.3	349.8	374.5	370.4
80°	440.4	162.6	146.1	177.0	193.4	269.6	347.8	333.4	304.6	316.9	312.8
82.5°	255.2	121.4	123.5	150.2	154.3	246.9	314.8	290.2	259.3	265.5	259.3
85°	164.6	78.2	96.7	115.2	121.4	201.7	269.6	244.9	209.9	271.6	259.3
87.5°	127.6	45.3	65.9	76.1	74.1	88.5	154.3	146.1	144.0	117.3	113.2
90°	119.4	39.1	65.9	65.9	53.5	43.2	59.7	61.7	51.4	55.6	49.4
92.5°	107.0	39.1	70.0	65.9	47.3	35.0	49.4	49.4	39.1	37.0	35.0
95°	88.5	35.0	74.1	67.9	43.2	30.9	41.2	39.1	30.9	28.8	26.8
97.5°	47.3	22.6	70.0	61.7	39.1	28.8	37.0	32.9	22.6	20.6	18.5
100°	16.5	14.4	67.9	53.5	32.9	22.6	26.8	24.7	14.4	12.3	10.3
102.5°	14.4	12.3	39.1	39.1	20.6	12.3	16.5	16.5	12.3	10.3	10.3
105°	16.5	12.3	14.4	20.6	10.3	6.2	8.2	10.3	10.3	12.3	12.3
107.5°	16.5	12.3	10.3	10.3	8.2	6.2	6.2	6.2	10.3	12.3	12.3
110°	14.4	12.3	8.2	10.3	8.2	6.2	6.2	6.2	10.3	14.4	14.4

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 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2	10.3	14.4	16.5
115°	10.3	10.3	6.2	6.2	6.2	6.2	4.1	6.2	10.3	16.5	18.5
117.5°	12.3	10.3	6.2	6.2	4.1	4.1	4.1	6.2	12.3	18.5	20.6
120°	12.3	10.3	6.2	6.2	4.1	4.1	4.1	6.2	12.3	20.6	20.6
122.5°	12.3	10.3	6.2	6.2	4.1	4.1	4.1	6.2	12.3	20.6	20.6
125°	10.3	10.3	6.2	6.2	4.1	4.1	4.1	6.2	12.3	20.6	20.6
127.5°	10.3	8.2	6.2	4.1	4.1	4.1	4.1	6.2	12.3	18.5	20.6
130°	8.2	8.2	6.2	4.1	4.1	4.1	4.1	6.2	12.3	18.5	18.5
132.5°	8.2	8.2	6.2	4.1	4.1	4.1	4.1	6.2	10.3	16.5	16.5
135°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	6.2	8.2	12.3	12.3
137.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	8.2	8.2
140°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2
142.5°	4.1	4.1	4.1	4.1	4.1	2.1	4.1	4.1	6.2	6.2	6.2
145°	4.1	4.1	4.1	4.1	2.1	2.1	4.1	4.1	6.2	6.2	4.1
147.5°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	4.1	6.2	6.2	4.1
150°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	4.1	6.2	6.2	4.1
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)