

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: P695437

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
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-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6081.1 lumens  
Efficiency: N/A  
Efficacy: 114.5 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: B2 - U3 - G2

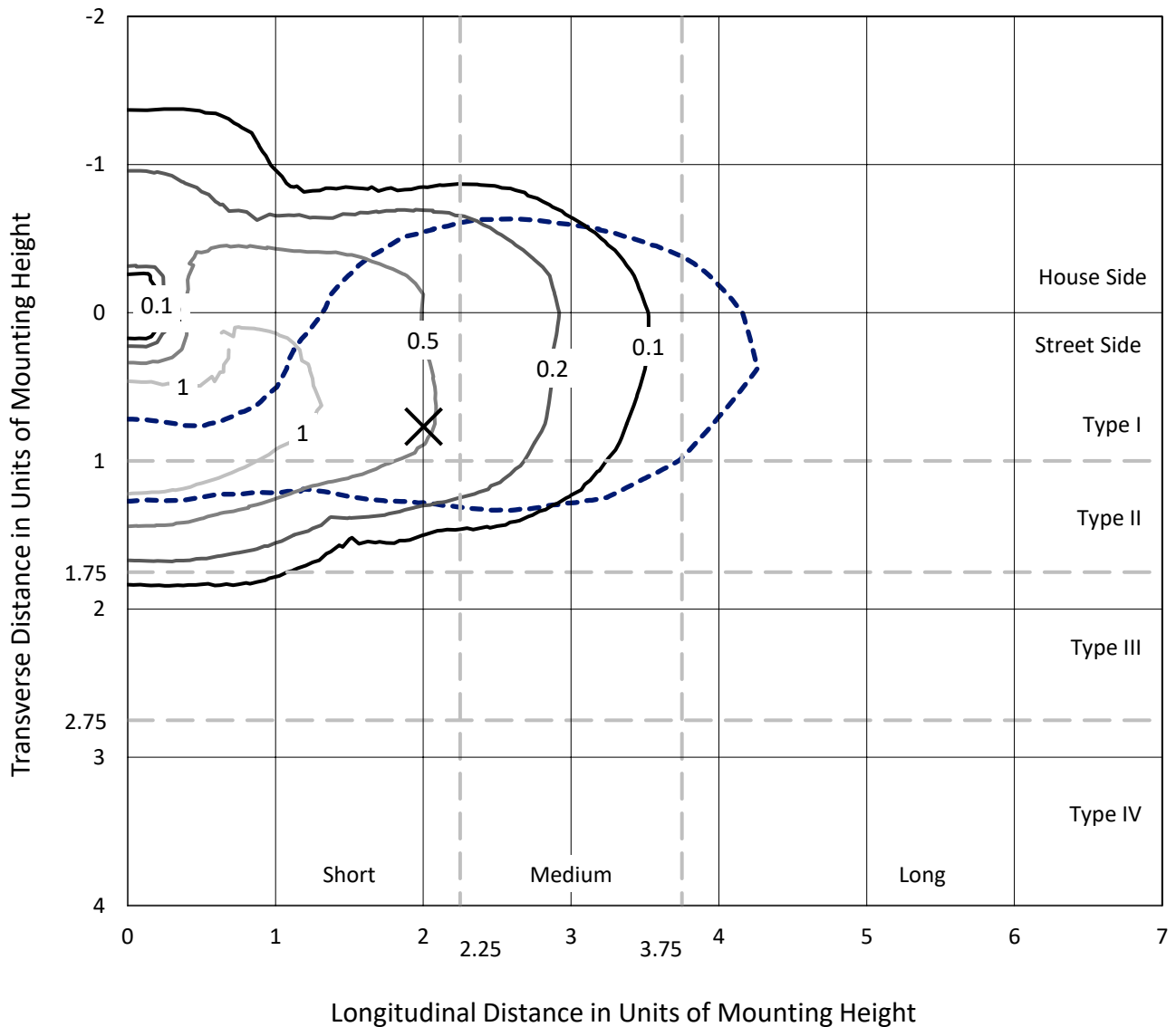
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

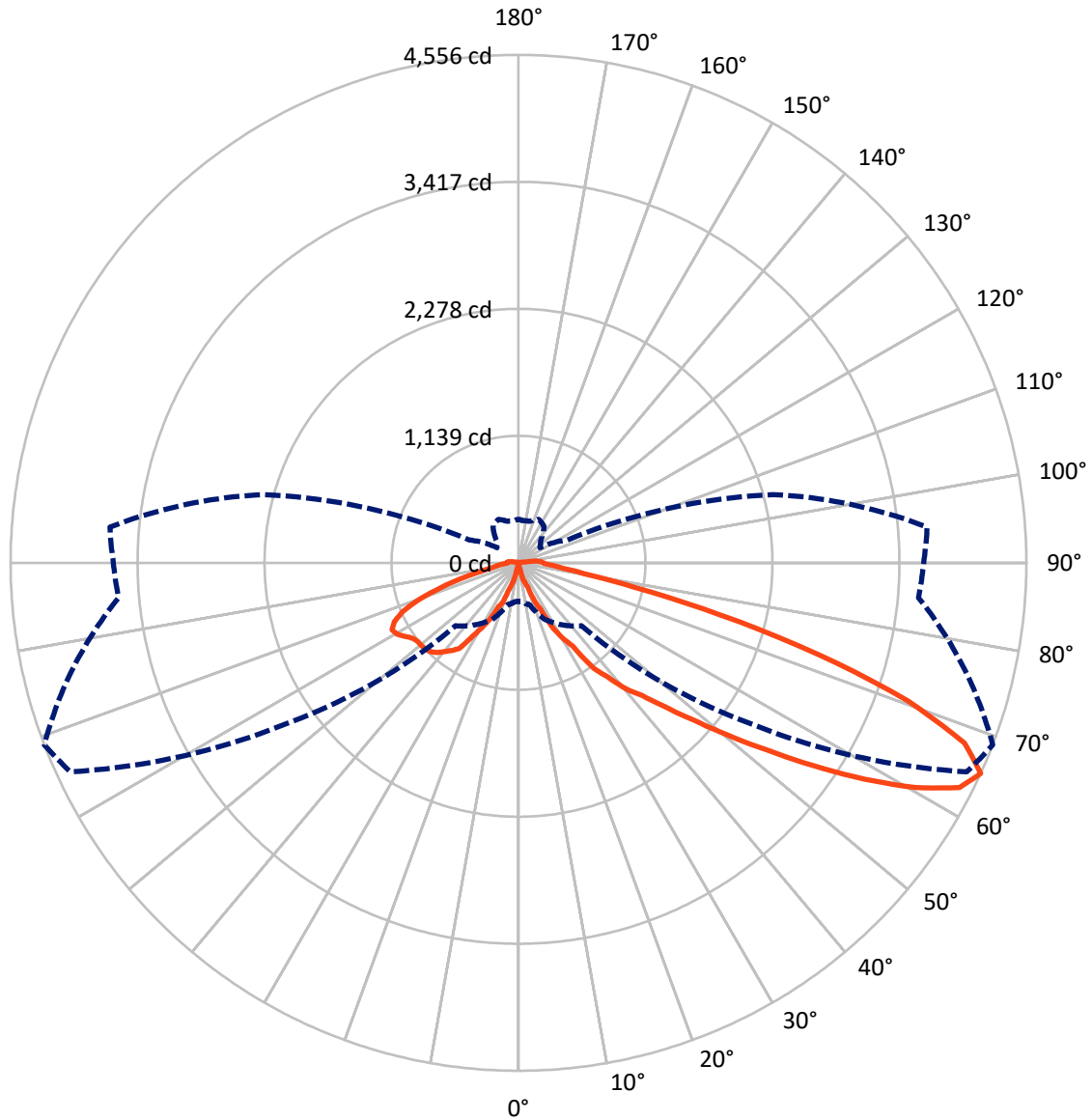
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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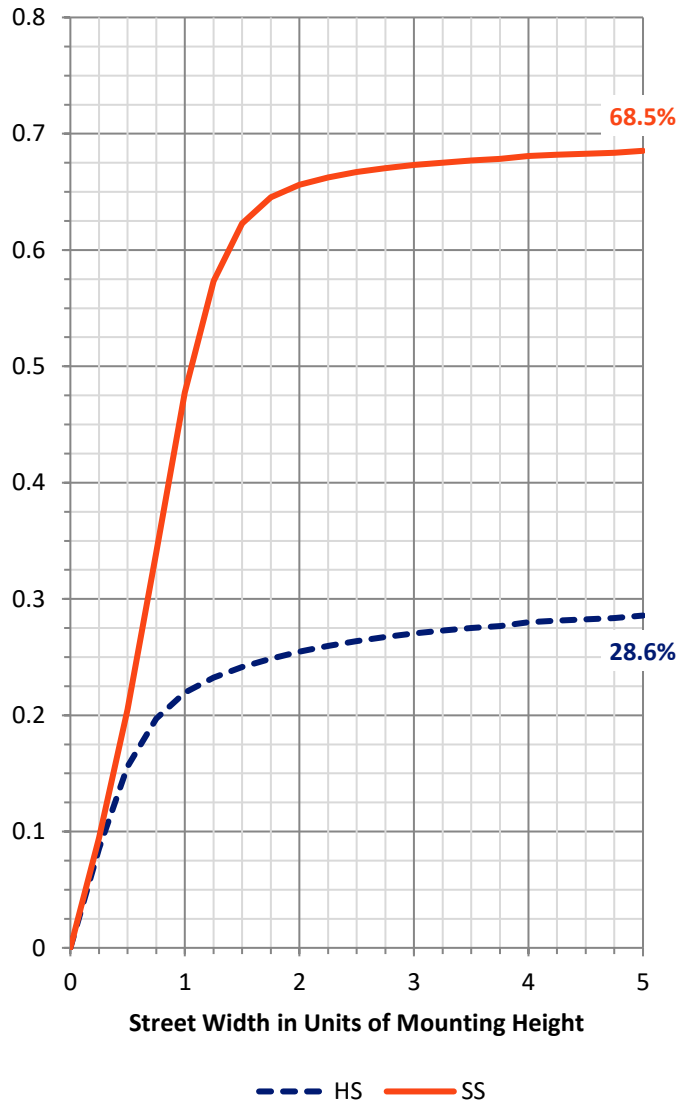
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1782.7	52.2	1834.9
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	4200.9	45.2	4246.2
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	5983.7	97.4	6081.1
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	36.7	0.6
20°-30°	234.2	3.9
30°-40°	642.6	10.6
40°-50°	1145.7	18.8
50°-60°	1487.0	24.5
60°-70°	1422.0	23.4
70°-80°	819.6	13.5
80°-90°	195.5	3.2
90°-100°	69.0	1.1
100°-110°	12.5	0.2
110°-120°	6.0	0.1
120°-130°	4.9	0.1
130°-140°	2.9	0.0
140°-150°	2.0	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5983.7	98.4
0°-180°	6081.1	100.0

**Coefficient of Utilization**

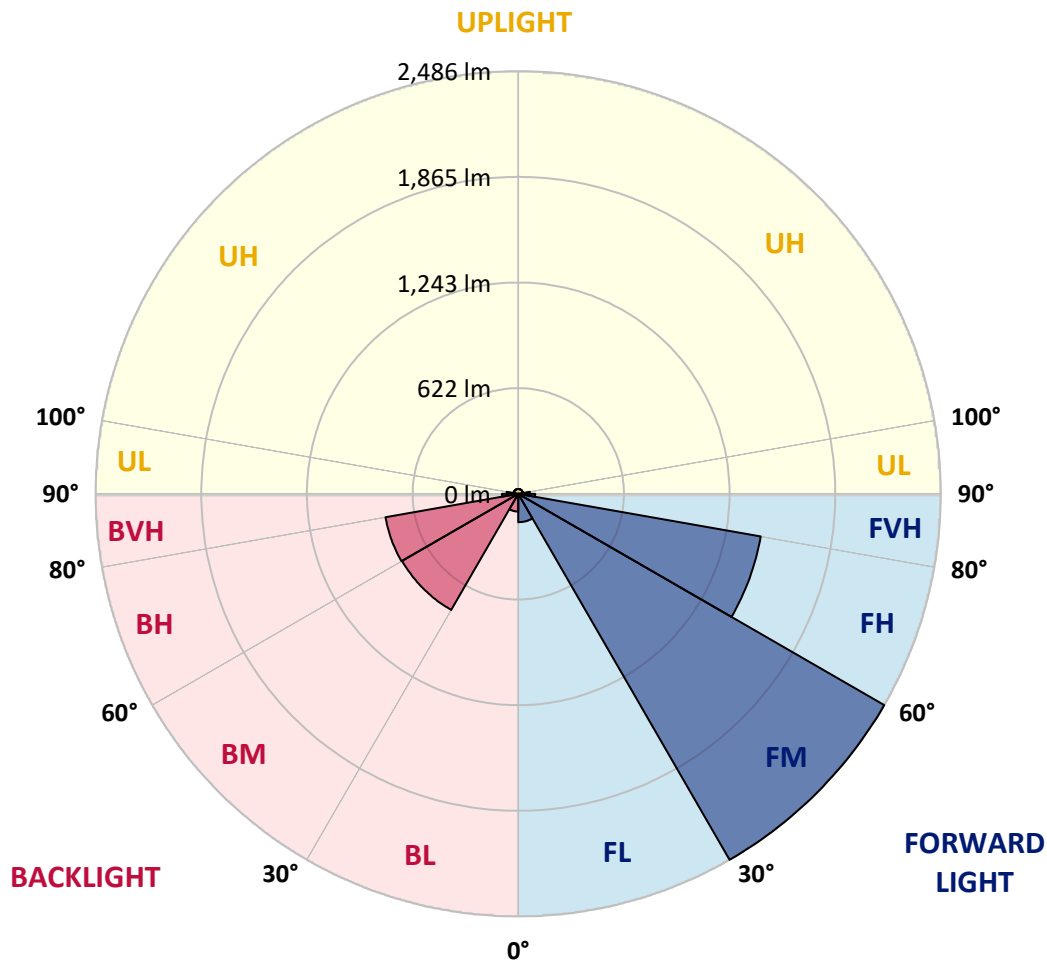


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.0	2.7			
FM (30°-60°)	2486.1	40.9			
FH (60°-80°)	1448.3	23.8			G1/1800
FVH (80°-90°)	99.5	1.6			G1/100
BL (0°-30°)	104.4	1.7	B0/110		
BM (30°-60°)	789.2	13.0	B1/1000		
BH (60°-80°)	793.3	13.0	B2/1000		G2/1000
BVH (80°-90°)	95.9	1.6			G1/100
UL (90°-100°)	69.0	1.1		U3/500	
UH (100°-180°)	28.4	0.5		U2/50	

**BUG Rating: B2-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	2.1	2.1
5°	4.1	4.1	4.1	6.2	4.1	4.1	4.1	4.1	4.1	2.1	2.1
7.5°	8.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1	2.1	2.1
10°	35.0	28.8	22.6	16.5	10.3	6.2	6.2	4.1	4.1	4.1	4.1
12.5°	152.3	146.1	144.0	135.8	45.3	16.5	10.3	16.5	20.6	28.8	35.0
15°	179.0	177.0	172.8	160.5	152.3	113.2	37.0	139.9	152.3	160.5	162.6
17.5°	327.2	298.4	230.5	199.6	177.0	162.6	154.3	179.0	183.1	187.3	193.4
20°	442.4	442.4	423.9	372.4	226.3	269.6	265.4	214.0	224.3	277.8	349.8
22.5°	553.5	547.4	512.4	473.3	465.0	323.1	308.7	374.5	380.7	415.7	415.7
25°	911.6	911.6	808.7	596.7	557.6	469.2	475.3	479.4	465.0	473.3	493.9
27.5°	1082.4	1068.0	1028.9	909.5	691.4	652.3	563.8	561.8	668.8	691.4	705.8
30°	1547.4	1541.2	1321.0	1072.1	934.2	755.2	769.6	786.0	786.0	788.1	765.5
32.5°	1870.5	1878.7	1765.5	1426.0	1096.8	928.0	932.1	870.4	891.0	1033.0	1043.3
35°	2185.3	2201.7	2045.4	1734.6	1415.7	1150.3	1043.3	1119.4	1162.6	1160.5	1133.8
37.5°	2504.2	2491.9	2354.0	2004.2	1658.5	1323.1	1271.7	1316.9	1296.4	1323.1	1238.7
40°	2728.5	2726.5	2603.0	2288.2	1905.4	1561.8	1434.2	1475.4	1489.8	1479.5	1370.4
42.5°	2882.9	2868.4	2817.0	2580.4	2228.5	1878.7	1648.2	1677.0	1627.6	1666.7	1528.9
45°	2946.6	2928.1	2919.9	2740.9	2508.3	2362.3	1952.8	1895.2	1839.6	1917.8	1714.1
47.5°	2860.2	2835.5	2882.9	2827.3	2728.5	2701.8	2308.7	2109.2	2100.9	2160.6	1944.5
50°	2580.4	2537.2	2664.7	2763.5	2833.5	2936.4	2707.9	2450.7	2424.0	2428.1	2160.6
52.5°	2135.9	2138.0	2290.2	2469.3	2792.3	2977.5	3090.7	2880.8	2788.2	2742.9	2378.7
55°	1705.8	1720.2	1835.5	1993.9	2452.8	2936.4	3382.9	3366.4	3210.0	3047.5	2611.2
57.5°	1226.4	1257.3	1434.2	1543.3	1985.7	2648.3	3529.0	3798.5	3662.7	3362.3	2860.2
60°	701.7	738.7	932.1	1179.1	1520.6	2111.2	3457.0	4243.0	4094.8	3693.6	3109.2
62.5°	446.5	456.8	541.2	800.4	993.9	1389.0	3152.4	4512.6	4438.5	3998.1	3378.8
65°	345.7	349.8	391.0	559.7	679.0	798.4	2479.5	4436.4	4555.8	4208.0	3601.0
67.5°	316.9	316.9	329.2	401.3	514.4	504.1	1603.0	3973.4	4315.0	4236.8	3675.1
70°	296.3	300.4	314.8	325.1	405.4	380.7	862.2	3144.2	3703.9	3954.9	3650.4
72.5°	259.3	263.4	281.9	308.7	314.8	308.7	481.5	2090.6	2814.9	3321.1	3450.8
75°	220.2	222.2	234.6	277.8	275.7	249.0	399.2	1249.0	1864.3	2436.3	2926.1
77.5°	181.1	187.3	201.7	224.3	251.0	197.5	356.0	734.6	1063.8	1533.0	2028.9
80°	133.8	137.9	152.3	185.2	201.7	170.8	294.3	477.4	596.7	794.3	977.4
82.5°	96.7	98.8	111.1	133.8	144.0	146.1	230.5	384.8	409.5	438.3	440.3
85°	59.7	57.6	59.7	70.0	88.5	94.7	166.7	306.6	308.7	298.4	294.3
87.5°	26.8	26.8	20.6	24.7	28.8	28.8	86.4	242.8	242.8	230.5	238.7
90°	28.8	28.8	20.6	20.6	22.6	20.6	49.4	205.8	218.1	218.1	240.8
92.5°	30.9	28.8	22.6	20.6	20.6	18.5	30.9	164.6	197.5	218.1	249.0
95°	28.8	28.8	20.6	18.5	18.5	16.5	24.7	113.2	158.4	177.0	211.9
97.5°	20.6	20.6	14.4	14.4	16.5	14.4	18.5	47.3	61.7	80.3	107.0
100°	14.4	14.4	10.3	10.3	10.3	10.3	12.3	20.6	24.7	20.6	24.7
102.5°	12.3	14.4	8.2	8.2	8.2	6.2	8.2	10.3	12.3	14.4	18.5
105°	12.3	12.3	6.2	6.2	6.2	6.2	4.1	8.2	8.2	10.3	18.5
107.5°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	6.2	8.2	10.3	18.5
110°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	6.2	8.2	8.2	14.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	4.1	4.1	4.1	2.1	2.1	4.1	4.1	6.2	6.2	6.2	10.3
115°	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	10.3
117.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
120°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
122.5°	6.2	6.2	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
125°	6.2	6.2	4.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	8.2
127.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	8.2
130°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	8.2
132.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2
135°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
137.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1
140°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	4.1	6.2	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	6.2	6.2	6.2	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	6.2	6.2	6.2	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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°	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
5°	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
7.5°	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
10°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
12.5°	32.9	30.9	26.8	14.4	6.2	4.1	4.1	4.1	6.2	8.2	8.2
15°	166.7	168.7	164.6	148.2	37.0	10.3	6.2	18.5	70.0	121.4	84.4
17.5°	193.4	195.5	191.4	187.3	170.8	76.1	49.4	162.6	168.7	181.1	177.0
20°	356.0	351.9	294.3	218.1	197.5	183.1	154.3	187.3	197.5	201.7	201.7
22.5°	413.6	411.5	403.3	380.7	234.6	273.7	244.9	205.8	337.5	353.9	351.9
25°	479.4	467.1	444.5	423.9	405.4	300.4	302.5	327.2	345.7	347.8	347.8
27.5°	687.3	670.8	633.8	526.8	475.3	374.5	378.6	335.4	337.5	405.4	417.7
30°	746.9	720.2	681.1	660.5	547.4	440.3	362.2	384.8	397.1	395.1	399.2
32.5°	995.9	956.8	821.0	738.7	602.9	425.9	378.6	372.4	372.4	405.4	409.5
35°	1074.1	1016.5	942.4	921.9	613.2	417.7	358.0	364.2	411.5	417.7	415.7
37.5°	1166.7	1086.5	1012.4	963.0	642.0	386.8	339.5	366.3	380.7	380.7	378.6
40°	1269.6	1189.4	1113.2	975.4	611.1	356.0	341.6	347.8	358.0	351.9	349.8
42.5°	1419.8	1312.8	1244.9	975.4	532.9	337.5	333.3	333.3	341.6	335.4	333.3
45°	1603.0	1479.5	1356.0	961.0	452.7	327.2	329.2	327.2	335.4	327.2	325.1
47.5°	1796.4	1668.8	1456.9	926.0	391.0	318.9	335.4	325.1	327.2	314.8	312.8
50°	2016.6	1878.7	1561.8	864.2	356.0	318.9	333.3	327.2	321.0	308.7	306.6
52.5°	2238.8	2098.9	1685.3	788.1	331.3	312.8	335.4	333.3	325.1	306.6	306.6
55°	2467.2	2370.5	1827.2	722.3	304.5	310.7	345.7	345.7	329.2	304.5	302.5
57.5°	2712.1	2646.2	1983.6	697.6	279.8	298.4	362.2	366.3	335.4	302.5	302.5
60°	2998.1	3024.8	2150.3	668.8	263.4	288.1	370.4	384.8	343.6	302.5	302.5
62.5°	3354.1	3430.2	2306.7	602.9	249.0	273.7	378.6	405.4	368.3	337.5	339.5
65°	3633.9	3679.2	2362.3	483.6	234.6	279.8	399.2	430.1	384.8	380.7	391.0
67.5°	3788.2	3767.7	2277.9	368.3	218.1	275.7	393.0	446.5	403.3	413.6	419.8
70°	3784.1	3633.9	1998.0	284.0	203.7	271.6	399.2	440.3	413.6	442.4	460.9
72.5°	3520.7	3179.2	1514.5	246.9	203.7	267.5	388.9	423.9	415.7	444.5	458.9
75°	2829.4	2415.8	1039.1	216.1	193.4	255.2	370.4	395.1	378.6	403.3	411.5
77.5°	1874.6	1588.6	580.3	195.5	191.4	234.6	337.5	349.8	331.3	347.8	353.9
80°	878.6	732.5	323.1	181.1	185.2	207.8	277.8	296.3	267.5	284.0	284.0
82.5°	403.3	372.4	244.9	164.6	166.7	158.4	216.1	244.9	218.1	226.3	218.1
85°	271.6	273.7	195.5	139.9	135.8	113.2	170.8	189.3	164.6	170.8	144.0
87.5°	236.6	242.8	156.4	90.5	78.2	70.0	111.1	115.2	84.4	70.0	67.9
90°	242.8	244.9	144.0	67.9	47.3	37.0	59.7	57.6	37.0	32.9	32.9
92.5°	251.0	251.0	146.1	72.0	47.3	35.0	53.5	43.2	32.9	28.8	28.8
95°	228.4	216.1	127.6	72.0	45.3	30.9	43.2	37.0	28.8	28.8	26.8
97.5°	139.9	127.6	94.7	72.0	37.0	26.8	32.9	28.8	20.6	18.5	18.5
100°	39.1	32.9	59.7	57.6	26.8	18.5	22.6	18.5	12.3	10.3	8.2
102.5°	18.5	18.5	30.9	37.0	14.4	10.3	12.3	12.3	10.3	10.3	8.2
105°	18.5	18.5	14.4	16.5	8.2	6.2	6.2	8.2	8.2	10.3	10.3
107.5°	18.5	20.6	12.3	8.2	8.2	6.2	4.1	6.2	8.2	10.3	12.3
110°	16.5	16.5	10.3	8.2	6.2	6.2	4.1	6.2	8.2	12.3	12.3

REPORT NUMBER: P695437  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

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