

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: P695447

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T4W-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695447  
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-PA16-50-750-U-T4W-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 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: 5925 lumens  
Efficiency: N/A  
Efficacy: 111.6 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

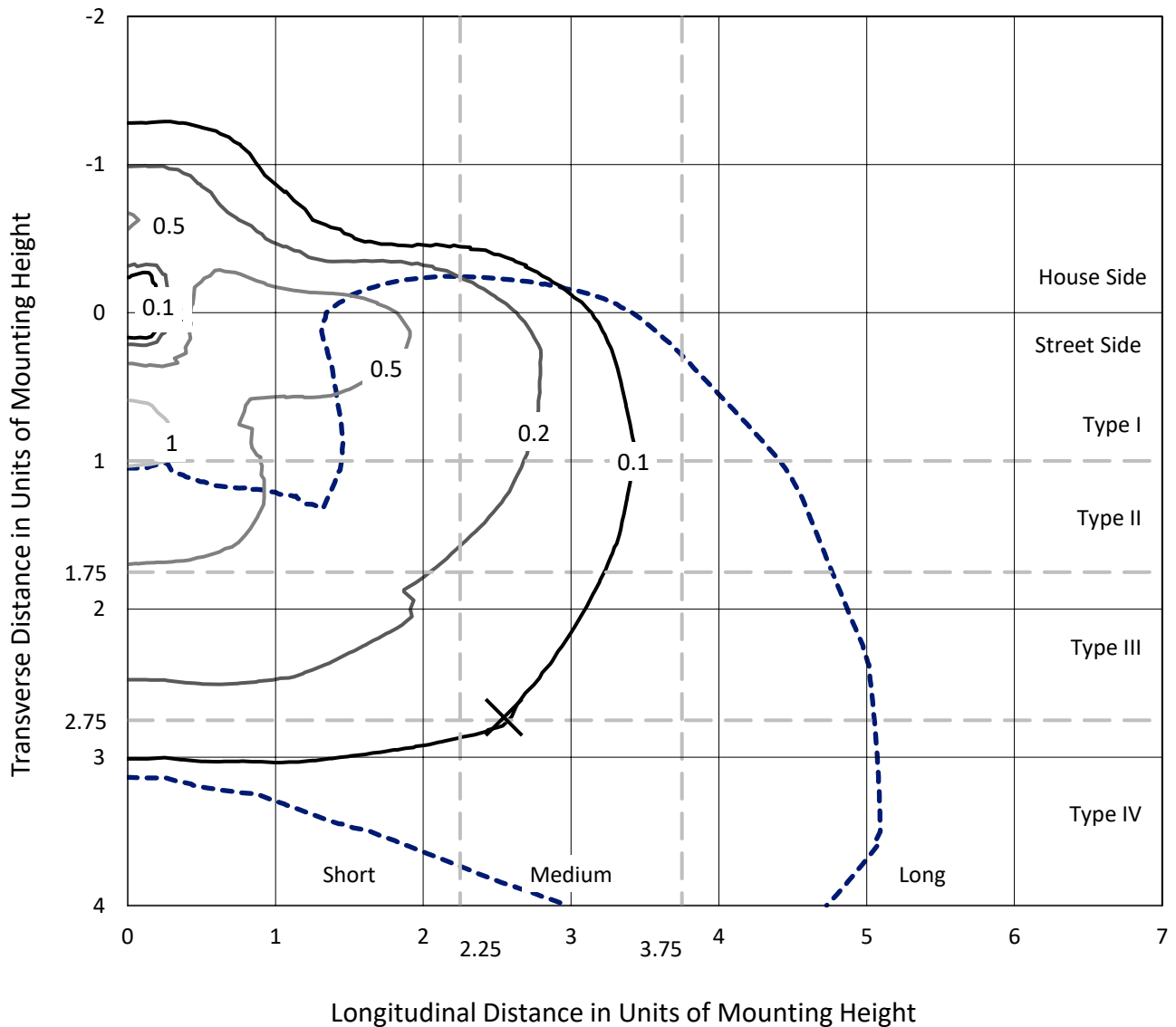
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

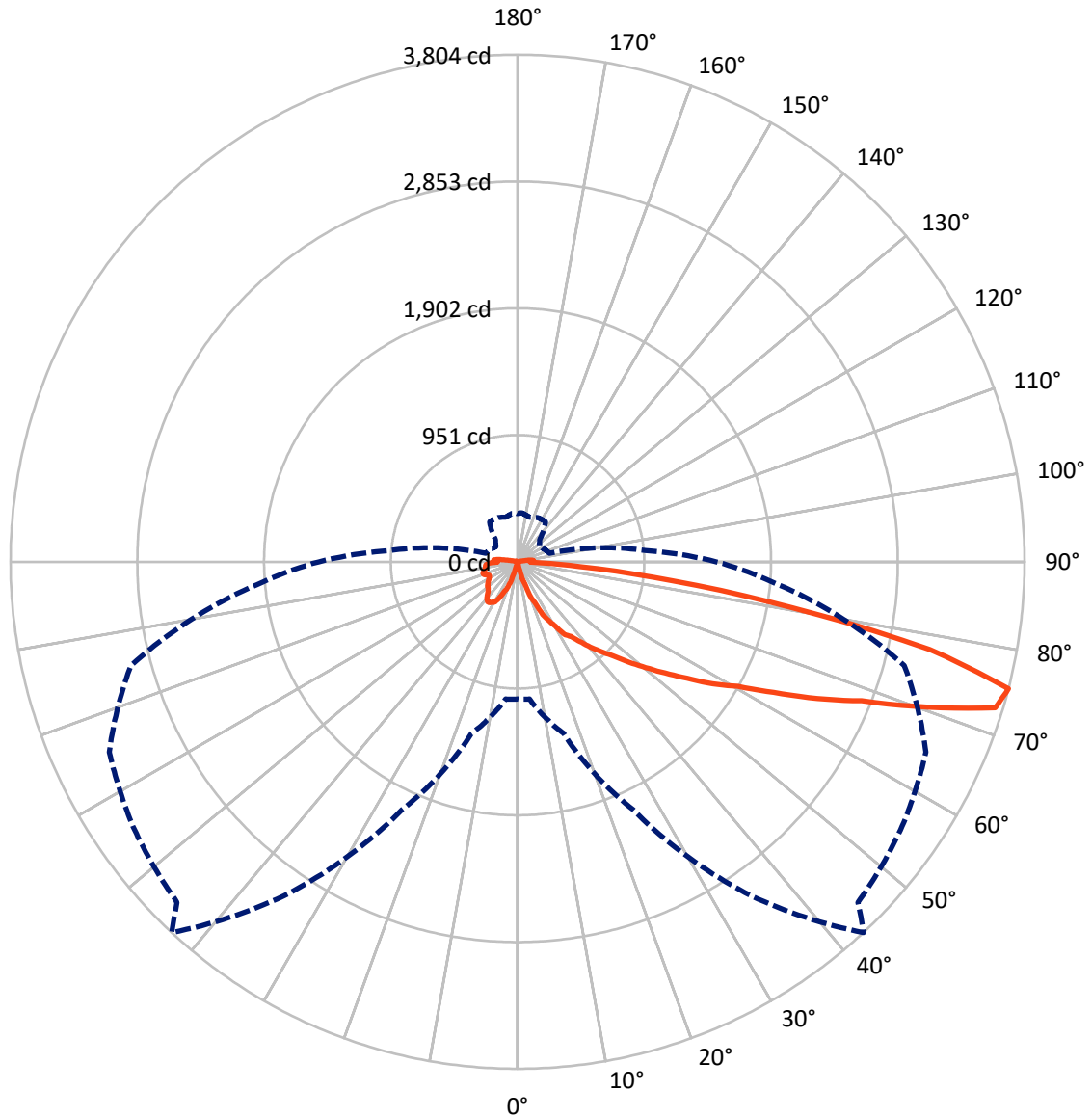
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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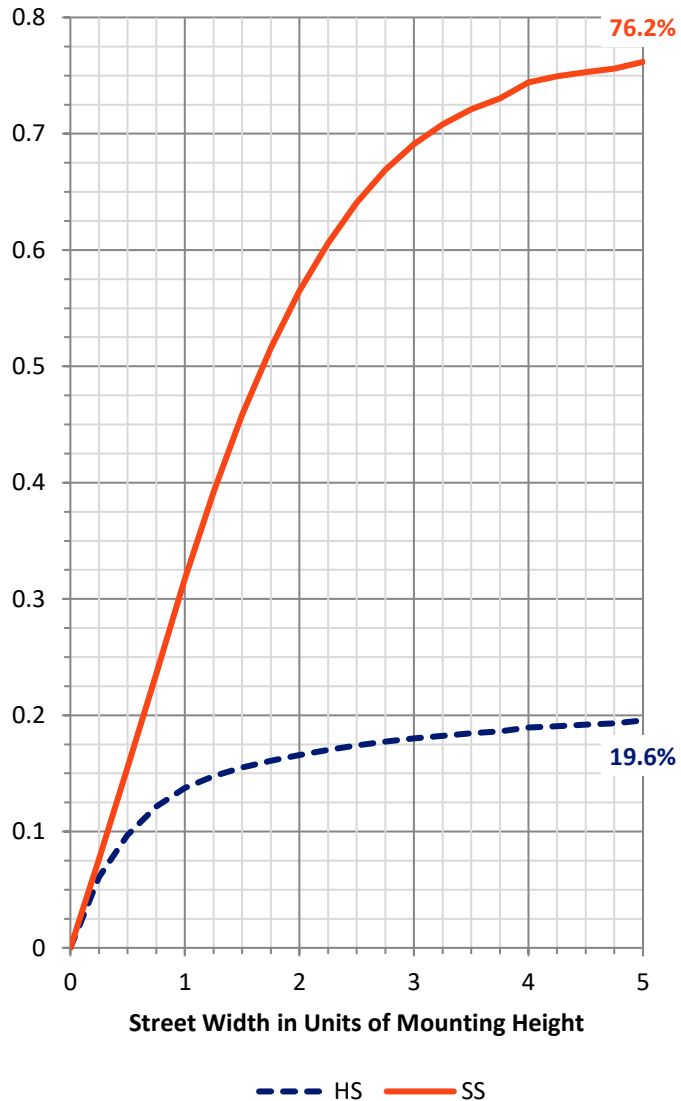
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1234.5	83.1	1317.6
	% Fixture	20.8	1.4	22.2
<b>Street Side</b>	Lumens	4547.1	60.3	4607.4
	% Fixture	76.7	1.0	77.8
<b>Total</b>	Lumens	5781.6	143.5	5925.0
	% Fixture	97.6	2.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	35.1	0.6
20°-30°	192.5	3.2
30°-40°	450.6	7.6
40°-50°	682.5	11.5
50°-60°	1061.5	17.9
60°-70°	1599.1	27.0
70°-80°	1439.0	24.3
80°-90°	320.7	5.4
90°-100°	110.3	1.9
100°-110°	18.1	0.3
110°-120°	5.8	0.1
120°-130°	4.3	0.1
130°-140°	2.7	0.0
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5781.6	97.6
0°-180°	5925.0	100.0

**Coefficient of Utilization**

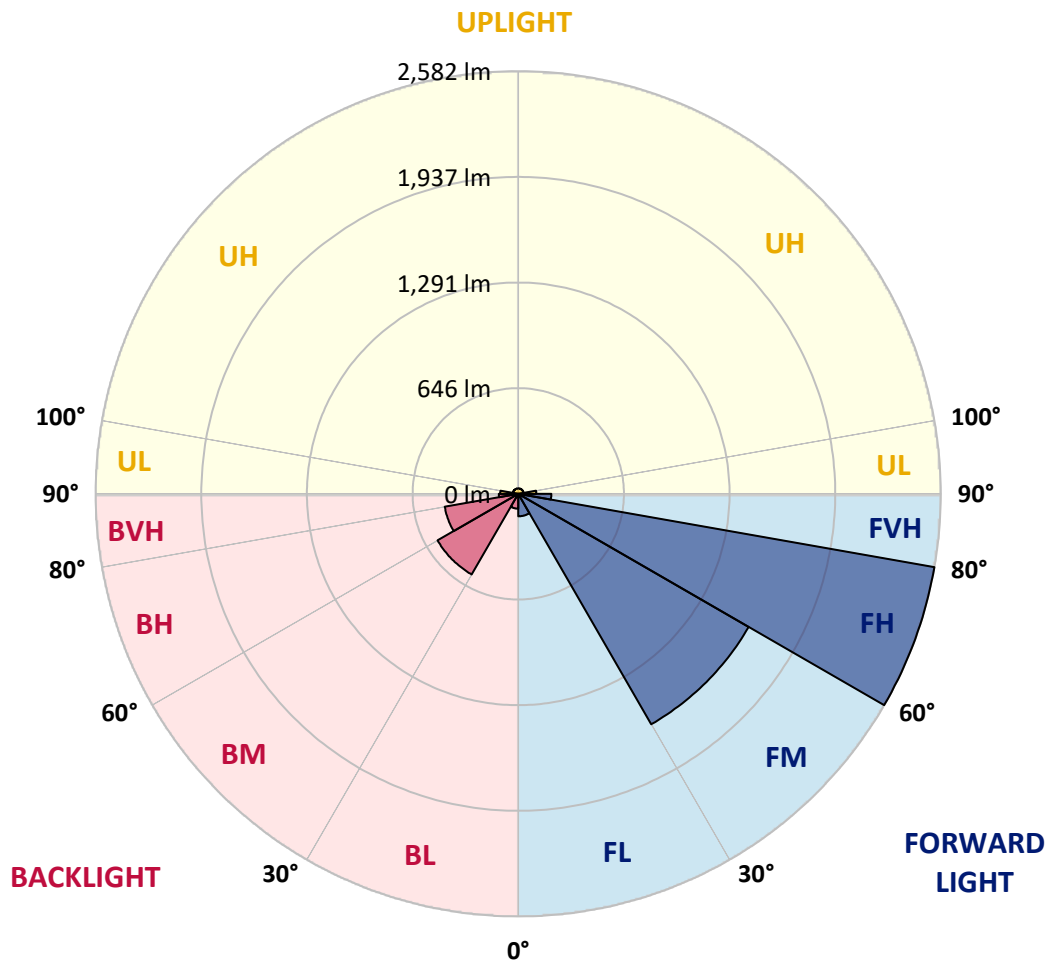


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.3	2.3			
FM (30°-60°)	1625.7	27.4			
FH (60°-80°)	2582.1	43.6			G2/5000
FVH (80°-90°)	202.0	3.4			G2/225
BL (0°-30°)	90.9	1.5	B0/110		
BM (30°-60°)	569.0	9.6	B1/1000		
BH (60°-80°)	456.0	7.7	B1/500		G1/500
BVH (80°-90°)	118.7	2.0			G2/225
UL (90°-100°)	110.3	1.9		U3/500	
UH (100°-180°)	33.1	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°	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	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
7.5°	6.2	6.2	4.1	4.1	6.2	4.1	4.1	4.1	4.1	4.1	4.1
10°	41.2	41.2	37.0	22.6	10.3	6.2	6.2	6.2	4.1	6.2	6.2
12.5°	170.8	170.8	158.5	148.2	45.3	26.8	18.5	10.3	18.5	26.8	35.0
15°	203.8	203.8	195.5	177.0	164.7	129.7	84.4	49.4	133.8	142.0	140.0
17.5°	370.5	319.0	253.2	220.2	185.2	168.8	189.4	154.4	168.8	172.9	170.8
20°	434.3	426.1	407.5	386.9	234.6	286.1	265.5	263.5	205.8	265.5	312.9
22.5°	469.3	469.3	438.4	411.6	417.8	329.3	310.8	298.4	343.7	374.6	372.5
25°	652.5	652.5	625.7	454.9	440.5	438.4	405.5	430.2	432.2	430.2	434.3
27.5°	691.6	685.4	660.7	605.1	489.9	500.2	508.4	479.6	533.1	623.6	617.5
30°	988.0	953.0	773.9	650.4	611.3	559.8	541.3	582.5	638.1	660.7	664.8
32.5°	1146.4	1134.1	1051.8	866.5	677.2	652.5	617.5	650.4	662.8	813.0	874.7
35°	1323.4	1300.8	1228.8	979.7	819.2	687.4	673.0	654.5	784.2	852.1	911.8
37.5°	1457.2	1455.2	1391.4	1115.6	909.7	757.4	710.1	728.6	810.9	893.3	948.8
40°	1572.5	1564.3	1535.4	1241.1	985.9	839.8	757.4	771.8	850.1	932.4	996.2
42.5°	1693.9	1687.8	1689.8	1346.1	1082.6	922.1	823.3	813.0	897.4	996.2	1068.2
45°	1833.9	1829.8	1823.6	1502.5	1191.7	1006.5	907.7	878.9	992.1	1076.5	1162.9
47.5°	1893.6	1885.3	1928.6	1636.3	1313.2	1123.8	1000.3	965.3	1097.0	1195.8	1315.2
50°	1969.7	1961.5	1988.3	1772.1	1457.2	1247.3	1123.8	1070.3	1224.6	1360.5	1514.9
52.5°	2113.8	2187.9	2082.9	1920.3	1656.9	1385.2	1247.3	1206.1	1395.5	1580.7	1842.1
55°	2286.7	2270.2	2214.7	2091.2	1840.1	1541.6	1383.1	1360.5	1623.9	1858.6	2179.7
57.5°	2319.6	2301.1	2346.4	2266.1	2052.1	1726.9	1539.6	1549.8	1854.5	2148.8	2558.4
60°	2395.8	2383.4	2467.8	2511.0	2270.2	1897.7	1702.2	1801.0	2091.2	2445.2	2924.7
62.5°	2476.1	2490.5	2616.0	2679.8	2416.4	2157.0	1924.4	2087.0	2453.4	2766.3	3250.0
65°	2463.7	2484.3	2743.6	2776.6	2595.4	2471.9	2200.3	2412.2	2786.8	3097.6	3486.6
67.5°	2402.0	2422.5	2774.5	2908.3	2840.4	2784.8	2515.2	2764.2	3095.6	3322.0	3560.7
70°	2274.3	2276.4	2624.2	3013.3	3140.9	3266.4	2947.4	3110.0	3398.1	3517.5	3377.6
72.5°	1840.1	1854.5	2181.7	2807.4	3361.1	3746.0	3437.2	3433.1	3560.7	3459.9	2778.6
75°	1029.1	1033.2	1333.7	2052.1	3060.6	3803.6	3612.2	3507.2	3379.6	3003.0	1963.6
77.5°	312.9	349.9	467.2	1043.5	2142.6	3161.4	3110.0	3085.3	2826.0	2117.9	1068.2
80°	158.5	164.7	209.9	360.2	1107.3	2093.2	2138.5	2214.7	1761.8	913.9	496.0
82.5°	90.6	94.7	127.6	191.4	471.3	1169.1	1284.3	1210.2	757.4	430.2	343.7
85°	45.3	45.3	59.7	88.5	220.2	463.1	537.2	434.3	327.3	284.0	277.9
87.5°	24.7	24.7	20.6	26.8	67.9	102.9	119.4	162.6	174.9	179.1	236.7
90°	26.8	26.8	20.6	22.6	49.4	92.6	131.7	158.5	162.6	170.8	240.8
92.5°	26.8	26.8	20.6	20.6	45.3	109.1	150.3	172.9	168.8	183.2	247.0
95°	26.8	24.7	18.5	20.6	39.1	117.3	142.0	183.2	162.6	164.7	205.8
97.5°	16.5	16.5	12.3	16.5	28.8	90.6	98.8	131.7	111.1	74.1	96.7
100°	12.3	12.3	8.2	12.3	16.5	43.2	41.2	63.8	49.4	16.5	24.7
102.5°	12.3	14.4	8.2	8.2	10.3	12.3	14.4	20.6	20.6	12.3	16.5
105°	14.4	14.4	6.2	6.2	6.2	6.2	8.2	8.2	8.2	10.3	16.5
107.5°	12.3	12.3	6.2	4.1	4.1	6.2	6.2	4.1	6.2	8.2	18.5
110°	8.2	8.2	4.1	4.1	4.1	4.1	4.1	4.1	6.2	8.2	14.4

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
112.5°	4.1	6.2	2.1	4.1	2.1	4.1	4.1	4.1	4.1	6.2	8.2
115°	6.2	4.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	6.2	8.2
117.5°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	10.3
120°	6.2	6.2	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.2
122.5°	6.2	6.2	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.2
125°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	6.2	8.2
127.5°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	8.2
130°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
142.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	2.1	2.1	2.1	2.1	2.1	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	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1
5°	4.1	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
7.5°	4.1	4.1	4.1	4.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1
10°	6.2	6.2	4.1	4.1	4.1	2.1	4.1	4.1	4.1	4.1	4.1
12.5°	37.0	35.0	24.7	14.4	6.2	4.1	4.1	4.1	6.2	8.2	8.2
15°	142.0	137.9	133.8	121.4	35.0	8.2	6.2	18.5	72.0	100.9	117.3
17.5°	166.7	164.7	160.5	152.3	140.0	47.3	61.7	131.7	156.4	160.5	164.7
20°	306.7	300.5	232.6	174.9	160.5	168.8	148.2	164.7	172.9	179.1	185.2
22.5°	364.3	358.1	339.6	310.8	191.4	222.3	214.1	189.4	288.2	310.8	314.9
25°	426.1	415.8	376.7	345.8	319.0	247.0	265.5	300.5	325.2	341.7	341.7
27.5°	607.2	586.6	537.2	380.8	354.0	302.6	325.2	319.0	360.2	442.5	448.7
30°	656.6	633.9	564.0	471.3	376.7	349.9	335.5	411.6	465.2	483.7	489.9
32.5°	874.7	854.2	730.7	485.7	413.7	349.9	389.0	428.1	465.2	551.6	559.8
35°	918.0	885.0	757.4	559.8	411.6	366.4	391.1	436.3	539.3	578.4	586.6
37.5°	961.2	928.3	755.4	537.2	438.4	372.5	382.8	446.6	502.2	529.0	535.1
40°	1020.9	971.5	741.0	500.2	417.8	358.1	378.7	419.9	452.8	461.0	467.2
42.5°	1099.1	1031.2	724.5	463.1	386.9	335.5	354.0	384.9	405.5	393.1	393.1
45°	1208.2	1103.2	693.6	426.1	358.1	310.8	333.4	356.1	366.4	343.7	337.6
47.5°	1344.0	1189.7	660.7	391.1	339.6	296.4	321.1	339.6	339.6	308.7	304.6
50°	1508.7	1296.7	617.5	362.2	319.0	288.2	308.7	325.2	314.9	284.0	282.0
52.5°	1759.8	1459.3	576.3	337.6	300.5	279.9	306.7	304.6	290.2	263.5	261.4
55°	2070.6	1671.3	539.3	319.0	288.2	265.5	300.5	292.3	275.8	251.1	251.1
57.5°	2379.3	1903.9	500.2	306.7	273.7	253.2	290.2	286.1	267.6	242.9	240.8
60°	2681.9	2117.9	442.5	296.4	255.2	240.8	277.9	288.2	263.5	238.8	238.8
62.5°	2926.8	2220.8	378.7	279.9	236.7	232.6	271.7	296.4	284.0	273.7	273.7
65°	3007.1	2159.1	329.3	267.6	224.3	226.4	273.7	327.3	331.4	343.7	345.8
67.5°	2951.5	1984.1	296.4	257.3	216.1	236.7	312.9	368.4	358.1	366.4	370.5
70°	2710.7	1726.9	277.9	244.9	216.1	253.2	343.7	368.4	354.0	378.7	380.8
72.5°	2200.3	1397.5	261.4	234.6	207.9	251.1	362.2	364.3	354.0	382.8	378.7
75°	1492.2	963.3	247.0	222.3	197.6	232.6	366.4	364.3	345.8	368.4	362.2
77.5°	753.3	489.9	228.5	207.9	183.2	222.3	362.2	366.4	341.7	360.2	354.0
80°	382.8	314.9	203.8	191.4	166.7	218.2	354.0	362.2	327.3	343.7	341.7
82.5°	294.3	247.0	170.8	166.7	152.3	214.1	341.7	349.9	310.8	323.1	314.9
85°	240.8	195.5	125.6	129.7	137.9	216.1	339.6	345.8	300.5	294.3	290.2
87.5°	203.8	150.3	61.7	65.9	100.9	193.5	290.2	286.1	234.6	232.6	236.7
90°	203.8	137.9	41.2	41.2	82.3	137.9	191.4	172.9	162.6	172.9	170.8
92.5°	201.7	125.6	43.2	43.2	92.6	152.3	216.1	179.1	166.7	170.8	168.8
95°	166.7	102.9	49.4	47.3	80.3	168.8	224.3	183.2	170.8	164.7	164.7
97.5°	84.4	57.6	47.3	47.3	63.8	137.9	179.1	144.1	109.1	90.6	96.7
100°	20.6	22.6	45.3	45.3	39.1	70.0	98.8	88.5	45.3	22.6	20.6
102.5°	16.5	14.4	35.0	39.1	24.7	24.7	45.3	51.5	35.0	10.3	10.3
105°	16.5	14.4	16.5	20.6	12.3	10.3	16.5	28.8	16.5	10.3	10.3
107.5°	18.5	16.5	8.2	8.2	8.2	8.2	8.2	10.3	8.2	10.3	10.3
110°	16.5	14.4	8.2	8.2	6.2	8.2	6.2	8.2	8.2	10.3	10.3

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 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T4W-CL

**CANDELA DISTRIBUTION (continued):**

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