

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: P695442

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695442
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
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-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5880 lumens
Efficiency: N/A
Efficacy: 110.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

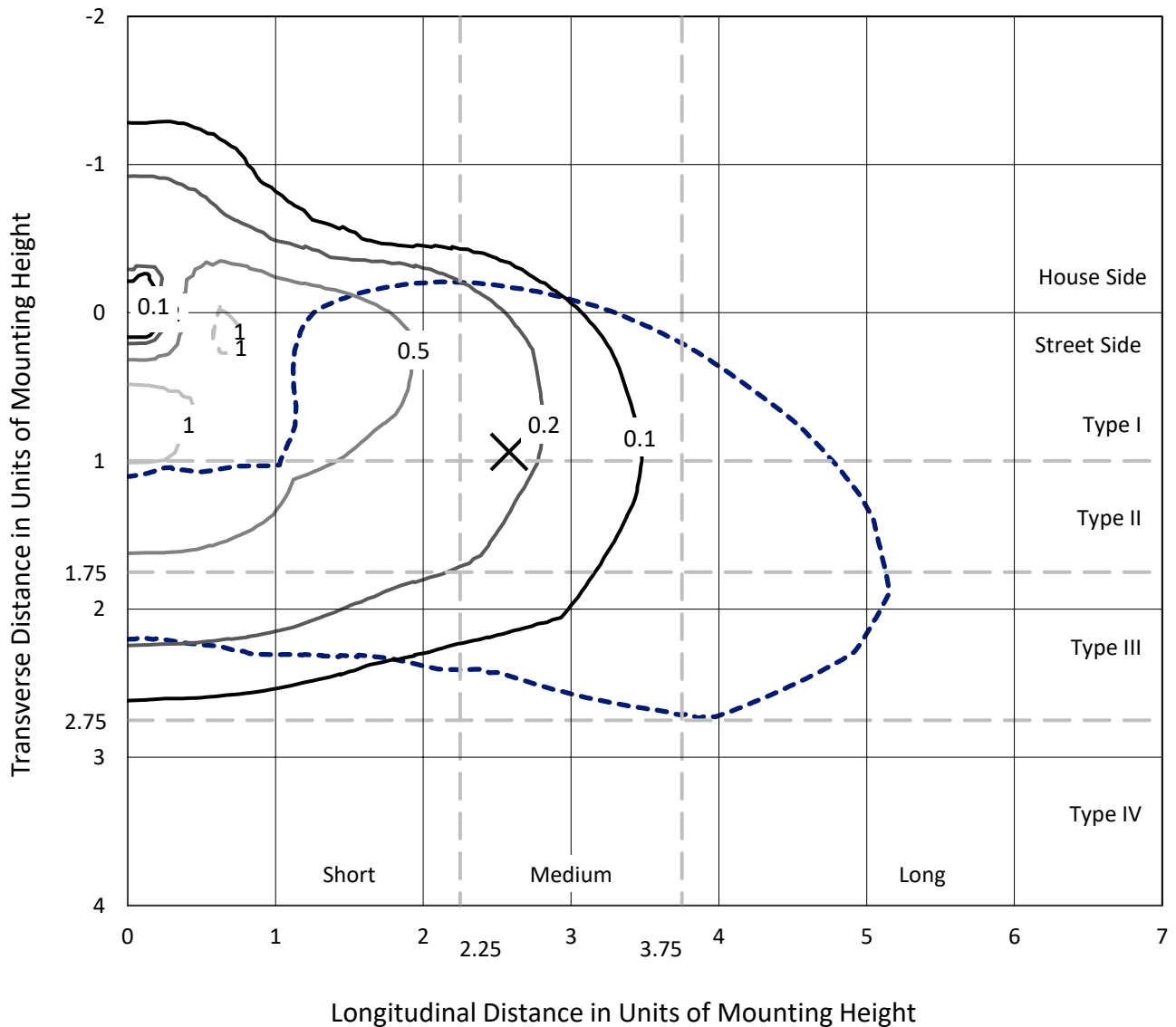
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

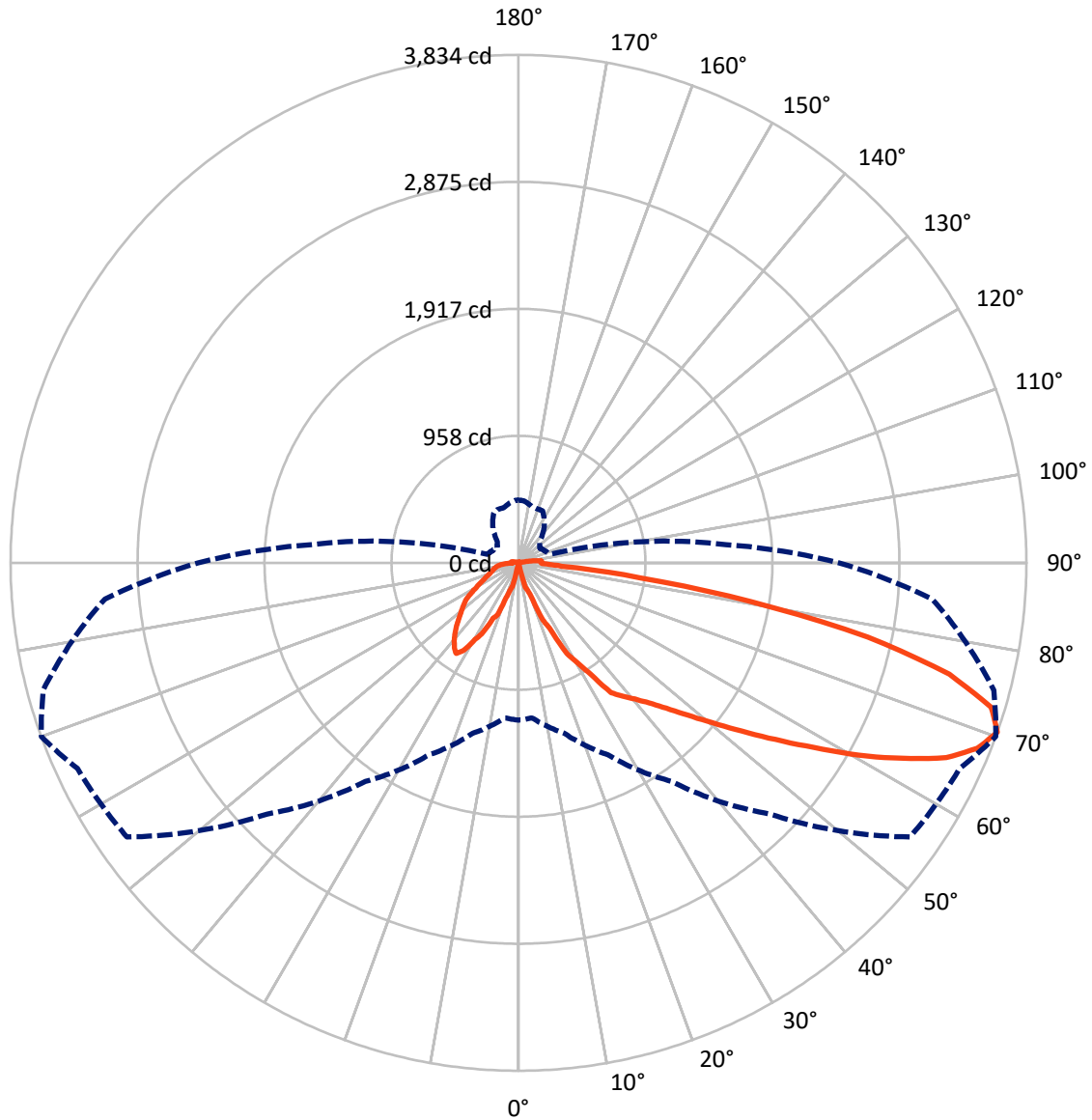
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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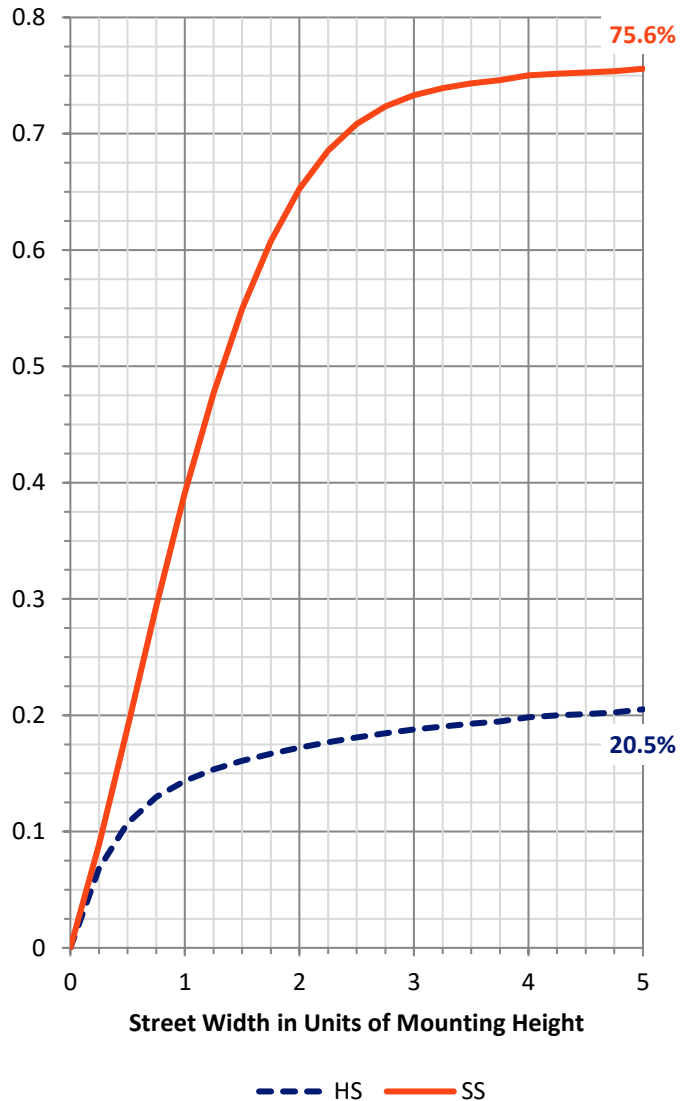
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1279.5	63.4	1342.9
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	4481.3	55.8	4537.1
	% Fixture	76.2	0.9	77.2
Total	Lumens	5760.8	119.2	5880.0
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	42.0	0.7
20°-30°	240.2	4.1
30°-40°	554.6	9.4
40°-50°	812.4	13.8
50°-60°	1201.6	20.4
60°-70°	1575.9	26.8
70°-80°	1070.3	18.2
80°-90°	263.3	4.5
90°-100°	86.5	1.5
100°-110°	15.4	0.3
110°-120°	6.1	0.1
120°-130°	4.9	0.1
130°-140°	3.4	0.1
140°-150°	2.6	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5760.8	98.0
0°-180°	5880.0	100.0

Coefficient of Utilization



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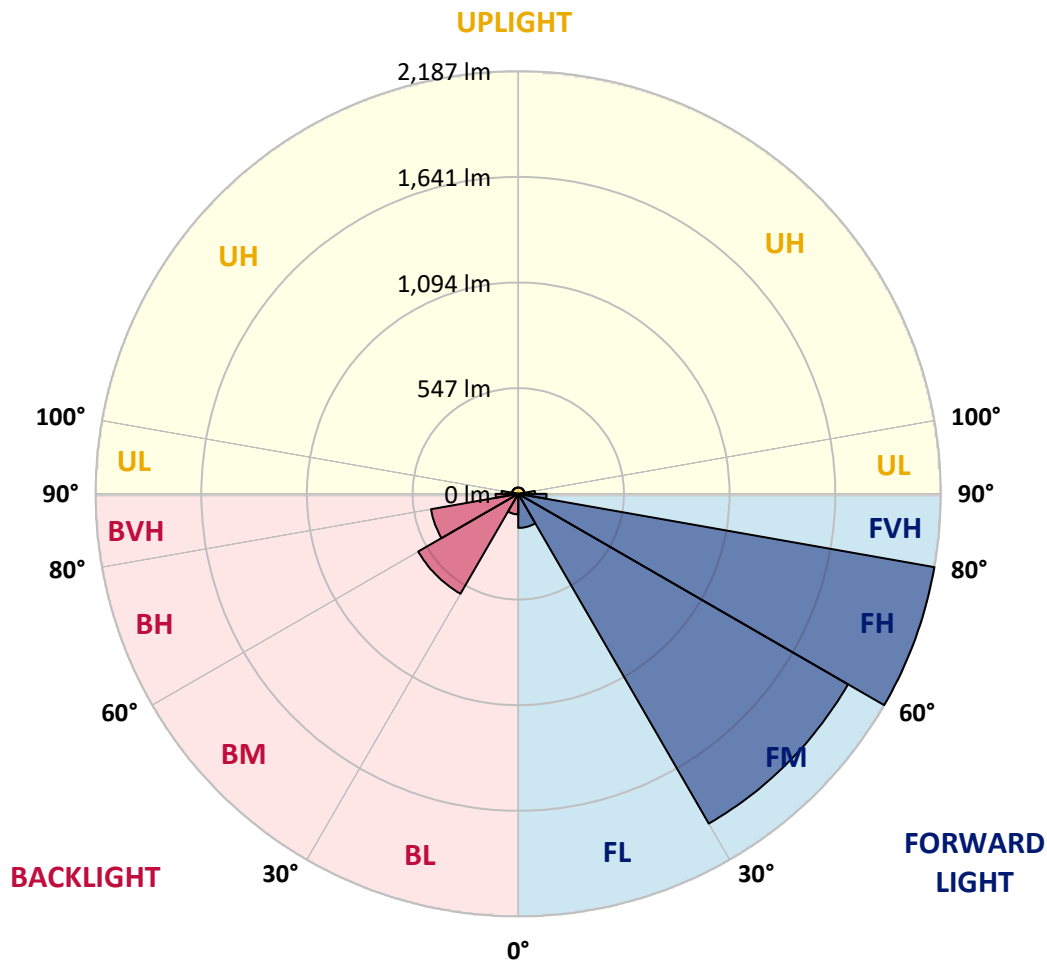
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.6	3.0			
FM (30°-60°)	1971.0	33.5			
FH (60°-80°)	2187.4	37.2			G2/5000
FVH (80°-90°)	146.3	2.5			G2/225
BL (0°-30°)	106.2	1.8	B0/110		
BM (30°-60°)	597.6	10.2	B1/1000		
BH (60°-80°)	458.8	7.8	B1/500		G1/500
BVH (80°-90°)	117.0	2.0			G2/225
UL (90°-100°)	86.5	1.5		U3/500	
UH (100°-180°)	32.7	0.6		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	4.1	4.1
5°	4.1	4.1	4.1	4.1	6.2	6.2	4.1	4.1	4.1	4.1	4.1
7.5°	6.2	4.1	4.1	6.2	6.2	6.2	6.2	4.1	4.1	4.1	4.1
10°	35.0	37.0	24.7	14.4	10.3	6.2	6.2	6.2	6.2	6.2	6.2
12.5°	189.3	187.3	183.1	127.6	45.3	14.4	10.3	18.5	22.6	28.8	41.2
15°	214.0	216.1	209.9	207.8	195.5	74.1	39.1	172.9	189.3	191.4	191.4
17.5°	298.4	296.3	267.5	234.6	220.2	228.4	183.1	205.8	214.0	218.1	220.2
20°	502.1	500.0	493.9	421.8	271.6	333.4	323.1	244.9	259.3	333.4	423.9
22.5°	559.7	555.6	547.4	526.8	545.3	380.7	370.4	430.1	467.1	489.8	487.7
25°	858.1	866.3	714.0	592.6	602.9	520.6	559.7	555.6	545.3	549.4	555.6
27.5°	954.8	946.6	934.2	874.6	670.8	707.9	637.9	709.9	775.8	812.8	802.5
30°	1224.4	1222.3	1076.2	973.3	880.7	767.5	794.3	895.1	872.5	878.7	845.7
32.5°	1430.2	1428.1	1407.5	1201.7	998.0	868.4	942.5	946.6	1004.2	1117.4	1127.7
35°	1510.4	1502.2	1487.8	1337.6	1135.9	1022.7	996.0	1170.9	1203.8	1207.9	1179.1
37.5°	1592.7	1582.4	1570.1	1403.4	1271.7	1084.4	1142.1	1275.8	1275.8	1302.6	1230.5
40°	1640.0	1640.0	1638.0	1459.0	1333.4	1140.0	1214.1	1356.1	1352.0	1370.5	1302.6
42.5°	1699.7	1693.5	1716.2	1516.6	1397.2	1197.6	1284.1	1432.2	1444.6	1491.9	1399.3
45°	1784.1	1792.3	1802.6	1640.0	1483.7	1282.0	1366.4	1551.6	1563.9	1627.7	1539.2
47.5°	1876.7	1887.0	1924.0	1769.7	1623.6	1389.0	1436.3	1687.4	1716.2	1794.4	1716.2
50°	1991.9	1994.0	2047.5	1899.3	1802.6	1541.3	1563.9	1819.1	1895.2	1965.2	1917.8
52.5°	2074.2	2082.5	2148.3	2066.0	1967.2	1724.4	1749.1	1989.9	2109.2	2195.6	2136.0
55°	2146.3	2152.4	2214.2	2193.6	2105.1	1864.3	1989.9	2220.3	2354.1	2428.2	2403.5
57.5°	2173.0	2179.2	2271.8	2288.2	2245.0	2041.3	2243.0	2448.8	2627.8	2710.1	2668.9
60°	2154.5	2154.5	2267.7	2356.2	2399.4	2236.8	2510.5	2706.0	2948.8	3004.4	3018.8
62.5°	2092.8	2109.2	2247.1	2385.0	2510.5	2428.2	2782.1	3024.9	3249.2	3300.7	3267.7
65°	1956.9	1961.1	2107.2	2323.2	2522.8	2636.0	3129.9	3294.5	3547.6	3529.1	3389.2
67.5°	1699.7	1670.9	1798.5	2103.0	2387.0	2743.0	3420.0	3522.9	3734.9	3673.1	3358.3
70°	1187.3	1175.0	1331.4	1598.9	2012.5	2681.3	3607.3	3673.1	3833.6	3714.3	3134.0
72.5°	563.8	609.1	687.3	915.7	1395.2	2263.6	3555.8	3658.7	3730.7	3594.9	2722.4
75°	246.9	253.1	294.3	415.7	718.2	1430.2	3111.4	3286.3	3358.3	3204.0	2144.2
77.5°	177.0	177.0	195.5	226.4	327.2	683.2	2119.5	2603.1	2695.7	2545.5	1502.2
80°	137.9	137.9	152.3	172.9	203.7	281.9	1321.1	1745.0	1777.9	1555.7	837.5
82.5°	102.9	107.0	119.4	129.6	150.2	193.4	565.9	897.2	919.8	722.3	438.3
85°	74.1	74.1	82.3	82.3	98.8	150.2	292.2	329.2	327.2	290.1	271.6
87.5°	24.7	24.7	20.6	24.7	41.2	94.7	183.1	185.2	177.0	201.7	228.4
90°	28.8	28.8	20.6	22.6	30.9	86.4	177.0	177.0	168.7	181.1	228.4
92.5°	30.9	30.9	22.6	22.6	26.8	76.1	179.0	187.3	177.0	183.1	226.4
95°	30.9	30.9	22.6	20.6	24.7	51.4	172.9	172.9	166.7	162.6	179.0
97.5°	18.5	18.5	14.4	16.5	20.6	26.8	102.9	107.0	94.7	74.1	96.7
100°	12.3	12.3	10.3	12.3	14.4	14.4	49.4	51.4	39.1	18.5	20.6
102.5°	12.3	12.3	8.2	10.3	8.2	8.2	14.4	18.5	12.3	12.3	16.5
105°	12.3	14.4	6.2	6.2	6.2	6.2	6.2	12.3	10.3	10.3	16.5
107.5°	12.3	12.3	6.2	6.2	6.2	6.2	4.1	6.2	8.2	10.3	18.5
110°	6.2	8.2	4.1	6.2	4.1	6.2	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°	70°	75°	85°
112.5°	4.1	4.1	2.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	10.3
115°	4.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1	6.2	6.2	10.3
117.5°	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	6.2	10.3
120°	6.2	4.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	6.2	10.3
122.5°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
125°	6.2	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
127.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	10.3
130°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	6.2	8.2
132.5°	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	8.2
135°	4.1	4.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	6.2
137.5°	4.1	4.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
140°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	6.2	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
150°	6.2	6.2	6.2	4.1	4.1	2.1	4.1	4.1	4.1	4.1	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

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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	4.1	6.2	6.2
5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
7.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
10°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2
12.5°	37.0	37.0	28.8	14.4	6.2	4.1	4.1	4.1	6.2	10.3	8.2
15°	195.5	195.5	191.4	174.9	37.0	10.3	8.2	18.5	82.3	148.2	150.2
17.5°	224.3	222.2	218.1	207.8	185.2	65.8	63.8	172.9	185.2	193.4	195.5
20°	421.8	417.7	323.1	230.5	201.7	199.6	174.9	195.5	201.7	205.8	207.8
22.5°	481.5	475.3	452.7	399.2	230.5	271.6	255.2	212.0	316.9	339.5	339.5
25°	553.5	537.1	491.8	430.1	393.0	286.0	294.3	308.7	327.2	331.3	331.3
27.5°	788.1	773.7	707.9	473.3	421.8	337.5	341.6	312.8	329.2	376.6	382.7
30°	825.2	802.5	742.9	584.4	438.3	378.6	327.2	366.3	384.8	382.7	384.8
32.5°	1098.9	1076.2	954.8	600.9	471.2	356.0	358.1	366.3	378.6	399.2	413.6
35°	1142.1	1117.4	979.5	683.2	450.7	353.9	353.9	370.4	426.0	434.2	434.2
37.5°	1189.4	1168.8	969.2	637.9	454.8	353.9	343.6	378.6	401.3	399.2	399.2
40°	1271.7	1238.8	942.5	582.4	413.6	339.5	343.6	356.0	368.3	356.0	349.8
42.5°	1368.4	1308.7	907.5	524.7	380.7	321.0	325.1	329.2	329.2	306.6	304.6
45°	1491.9	1380.8	860.1	471.2	349.8	298.4	308.7	302.5	302.5	284.0	281.9
47.5°	1631.8	1454.8	802.5	423.9	323.1	277.8	292.2	286.0	290.1	273.7	271.6
50°	1794.4	1551.6	747.0	388.9	300.4	267.5	275.7	284.0	290.1	269.6	267.5
52.5°	1965.2	1646.2	707.9	349.8	279.9	255.2	281.9	284.0	288.1	267.5	267.5
55°	2175.1	1763.5	660.5	321.0	265.5	244.9	296.3	296.3	290.1	271.6	269.6
57.5°	2401.4	1880.8	572.1	294.3	253.1	238.7	302.5	312.8	298.4	275.7	275.7
60°	2611.3	1998.1	471.2	273.7	240.8	236.6	306.6	321.0	308.7	288.1	288.1
62.5°	2771.8	2055.7	395.1	257.2	226.4	230.5	304.6	337.5	333.4	323.1	323.1
65°	2790.3	2004.3	331.3	242.8	214.0	228.4	300.4	353.9	356.0	372.5	374.5
67.5°	2691.6	1839.7	281.9	230.5	203.7	222.2	302.5	388.9	399.2	430.1	426.0
70°	2419.9	1572.1	244.9	216.1	195.5	224.3	339.5	432.1	430.1	469.2	473.3
72.5°	2020.7	1245.0	222.2	207.8	199.6	240.8	382.7	444.5	436.2	479.5	475.3
75°	1533.0	878.7	203.7	197.5	193.4	244.9	393.0	432.1	415.7	444.5	440.4
77.5°	1008.3	578.2	185.2	185.2	187.3	234.6	376.6	411.6	391.0	409.5	407.4
80°	567.9	343.6	166.7	174.9	179.0	224.3	351.9	382.7	362.2	376.6	376.6
82.5°	341.6	244.9	146.1	160.5	164.6	222.2	329.2	356.0	337.5	345.7	335.4
85°	232.5	179.0	115.2	135.8	154.3	214.0	310.7	329.2	296.3	290.1	281.9
87.5°	189.3	139.9	63.8	86.4	115.2	183.1	246.9	249.0	218.1	214.0	212.0
90°	185.2	129.6	45.3	47.3	76.1	127.6	162.6	156.4	146.1	148.2	146.1
92.5°	181.1	123.5	49.4	51.4	76.1	100.8	137.9	135.8	125.5	135.8	133.8
95°	154.3	107.0	51.4	55.6	65.8	61.7	100.8	107.0	98.8	104.9	107.0
97.5°	80.3	57.6	49.4	55.6	49.4	37.0	59.7	67.9	51.4	41.2	45.3
100°	26.8	18.5	49.4	57.6	37.0	26.8	43.2	49.4	30.9	12.3	12.3
102.5°	16.5	16.5	35.0	45.3	26.8	14.4	28.8	35.0	22.6	10.3	10.3
105°	16.5	16.5	14.4	24.7	10.3	8.2	10.3	18.5	12.3	10.3	10.3
107.5°	18.5	16.5	8.2	8.2	8.2	6.2	6.2	8.2	8.2	10.3	10.3
110°	16.5	14.4	8.2	8.2	6.2	6.2	6.2	6.2	8.2	12.3	12.3

REPORT NUMBER: P695442
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T3-CL

CANDELA DISTRIBUTION (continued):

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