

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: P695448

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695448  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)  
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-FL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND FROSTED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5602 lumens  
Efficiency: N/A  
Efficacy: 105.5 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 - G3

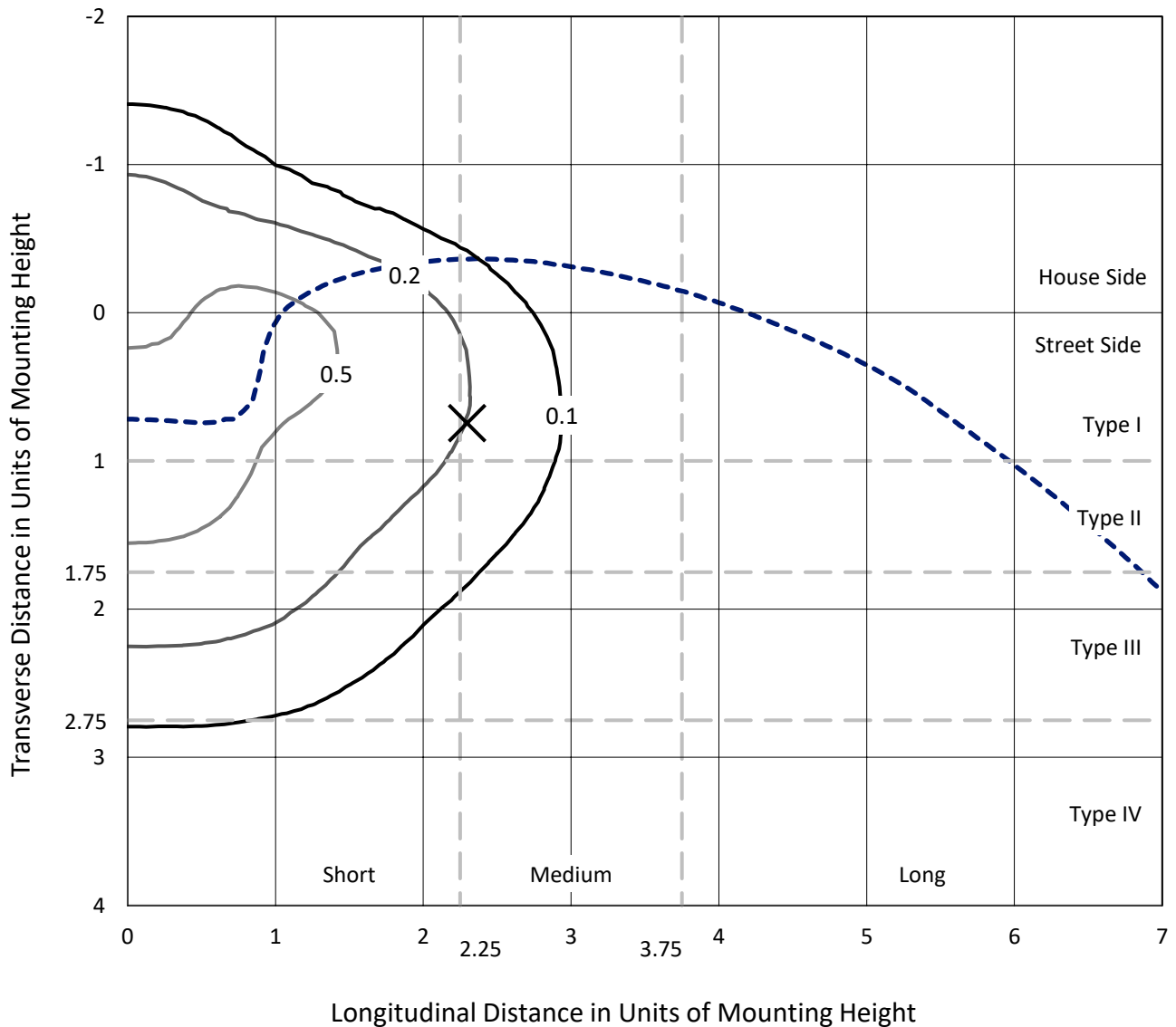
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

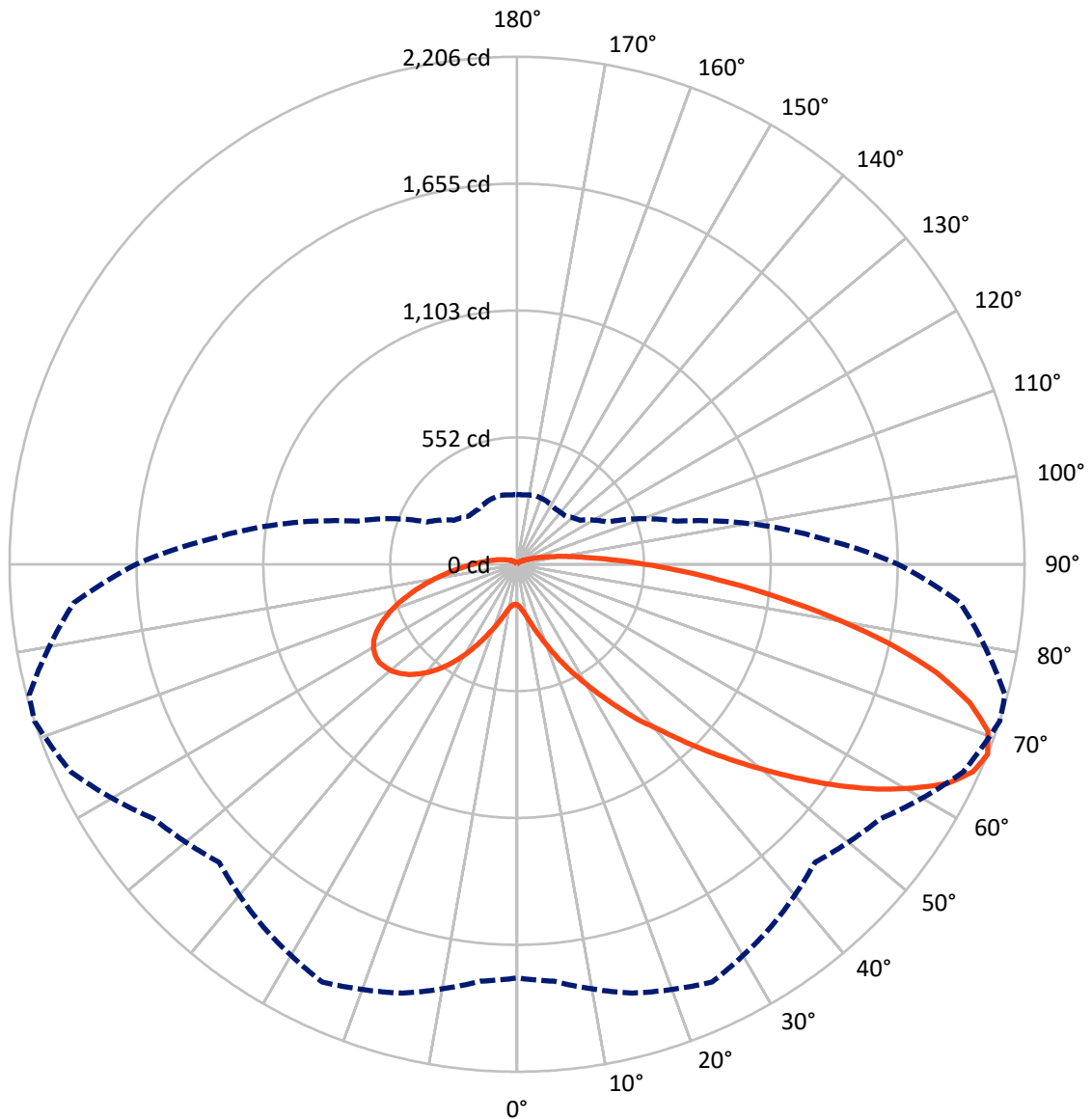
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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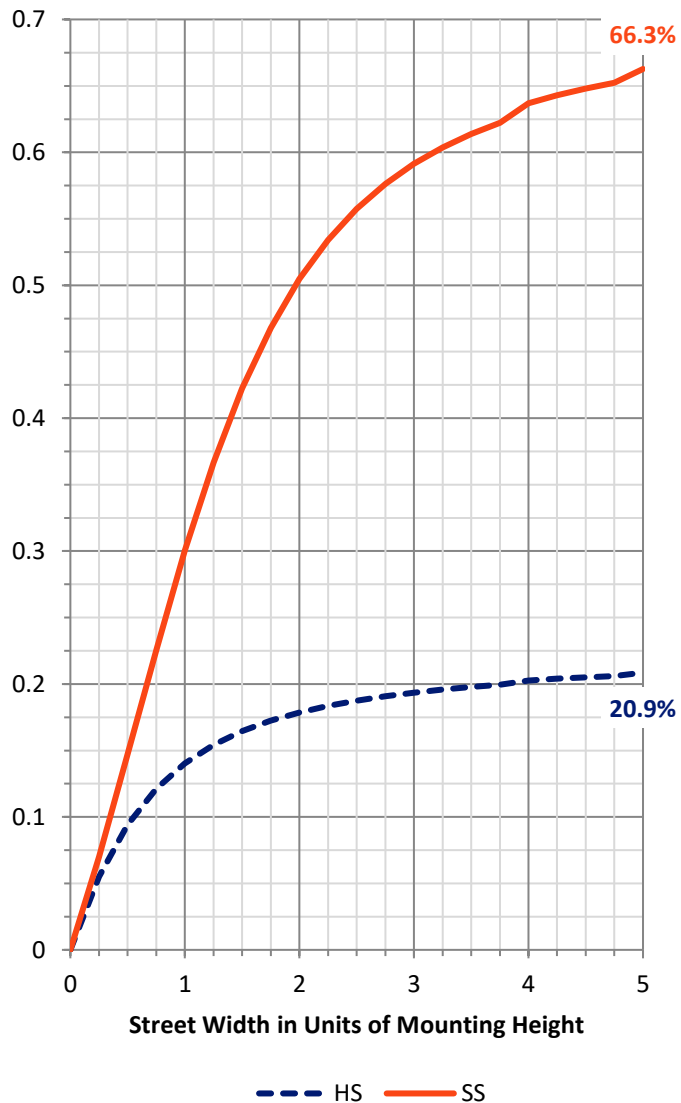
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1237.4	165.8	1403.2
	% Fixture	22.1	3.0	25.0
<b>Street Side</b>	Lumens	3922.2	276.6	4198.8
	% Fixture	70.0	4.9	75.0
<b>Total</b>	Lumens	5159.6	442.3	5602.0
	% Fixture	92.1	7.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.5	0.3
10°-20°	76.9	1.4
20°-30°	196.7	3.5
30°-40°	395.2	7.1
40°-50°	665.2	11.9
50°-60°	982.5	17.5
60°-70°	1210.6	21.6
70°-80°	1045.3	18.7
80°-90°	568.7	10.2
90°-100°	241.7	4.3
100°-110°	105.9	1.9
110°-120°	51.0	0.9
120°-130°	26.0	0.5
130°-140°	12.6	0.2
140°-150°	4.8	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5159.6	92.1
0°-180°	5602.0	100.0

**Coefficient of Utilization**

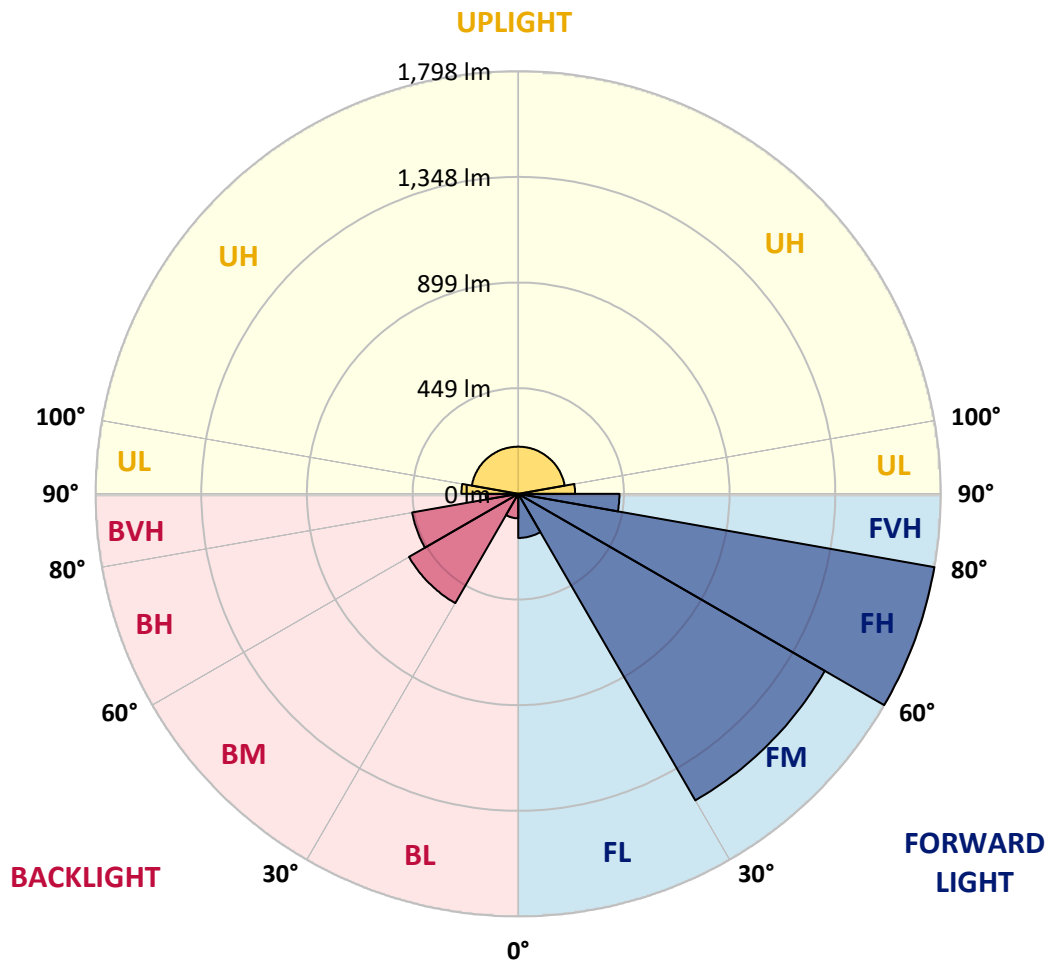


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.8	3.4			
FM (30°-60°)	1506.1	26.9			
FH (60°-80°)	1797.9	32.1			G1/1800
FVH (80°-90°)	430.4	7.7			G3/500
BL (0°-30°)	104.3	1.9	B0/110		
BM (30°-60°)	536.8	9.6	B1/1000		
BH (60°-80°)	458.0	8.2	B1/500		G1/500
BVH (80°-90°)	138.3	2.5			G2/225
UL (90°-100°)	241.7	4.3		U3/500	
UH (100°-180°)	200.6	3.6		U3/500	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	193.4	193.4	193.4	191.4	189.3	189.3	187.3	185.2	183.2	181.1	179.0
5°	216.1	216.1	214.0	214.0	209.9	207.9	203.7	197.6	195.5	193.4	187.3
7.5°	244.9	244.9	240.8	240.8	234.6	230.5	224.3	216.1	209.9	207.9	199.6
10°	277.8	275.8	275.8	269.6	263.4	259.3	249.0	238.7	232.5	228.4	218.1
12.5°	321.0	319.0	314.9	308.7	300.5	290.2	279.9	269.6	259.3	255.2	242.8
15°	368.4	368.4	364.3	354.0	343.7	329.3	316.9	304.6	296.3	292.2	275.8
17.5°	423.9	421.9	417.8	405.4	388.9	374.5	360.1	345.7	335.4	331.3	312.8
20°	491.8	489.8	477.4	458.9	444.5	423.9	405.4	388.9	380.7	376.6	356.0
22.5°	565.9	561.8	549.5	526.8	498.0	477.4	456.9	440.4	432.2	426.0	407.5
25°	650.3	644.1	627.7	592.7	559.8	530.9	510.4	493.9	489.8	485.7	461.0
27.5°	742.9	738.8	716.2	672.9	627.7	594.7	568.0	557.7	549.5	545.4	518.6
30°	849.9	843.8	808.8	759.4	699.7	652.4	627.7	621.5	615.3	617.4	592.7
32.5°	954.9	954.9	911.7	845.8	771.7	716.2	687.3	691.5	689.4	689.4	660.6
35°	1068.1	1070.1	1016.6	944.6	847.9	784.1	755.3	765.5	769.7	767.6	738.8
37.5°	1187.4	1183.3	1129.8	1039.3	928.1	849.9	825.2	839.6	858.2	852.0	825.2
40°	1319.1	1310.9	1259.5	1142.1	1016.6	922.0	899.3	928.1	940.5	948.7	911.7
42.5°	1438.5	1434.4	1374.7	1253.3	1105.1	998.1	973.4	1012.5	1045.4	1047.5	1010.4
45°	1555.8	1547.6	1498.2	1362.3	1191.5	1084.5	1063.9	1119.5	1158.6	1162.7	1121.6
47.5°	1662.8	1662.8	1607.2	1473.5	1298.6	1171.0	1156.6	1230.6	1280.0	1284.1	1238.9
50°	1773.9	1769.8	1722.5	1586.7	1399.4	1265.6	1259.5	1354.1	1409.7	1415.9	1356.2
52.5°	1856.3	1856.3	1825.4	1697.8	1496.1	1358.2	1368.5	1479.6	1551.7	1568.1	1489.9
55°	1928.3	1930.3	1909.8	1794.5	1607.2	1459.1	1473.5	1613.4	1699.8	1722.5	1623.7
57.5°	1975.6	1977.7	1983.8	1893.3	1704.0	1551.7	1588.7	1755.4	1843.9	1862.4	1751.3
60°	1994.1	2000.3	2029.1	1969.4	1790.4	1648.4	1697.8	1883.0	1975.6	1996.2	1854.2
62.5°	1975.6	1985.9	2043.5	2022.9	1868.6	1730.7	1796.6	2000.3	2099.1	2107.3	1936.5
65°	1920.0	1932.4	2010.6	2035.3	1913.9	1796.6	1883.0	2090.9	2177.3	2179.3	1963.3
67.5°	1798.6	1819.2	1930.3	2004.4	1924.2	1831.6	1928.3	2138.2	2206.1	2195.8	1934.5
70°	1650.5	1666.9	1794.5	1913.9	1887.1	1825.4	1934.5	2127.9	2171.1	2146.4	1837.7
72.5°	1444.7	1463.2	1613.4	1769.8	1792.5	1776.0	1883.0	2057.9	2057.9	2020.9	1687.5
75°	1222.4	1257.4	1391.2	1576.4	1658.7	1666.9	1782.2	1913.9	1885.1	1831.6	1475.5
77.5°	1006.3	1018.7	1150.4	1356.2	1463.2	1512.6	1615.5	1704.0	1652.5	1588.7	1251.2
80°	800.5	810.8	930.2	1119.5	1255.3	1339.7	1424.1	1452.9	1380.9	1317.1	1020.7
82.5°	621.5	633.8	740.9	907.5	1043.4	1127.7	1197.7	1203.9	1119.5	1061.9	812.9
85°	467.1	479.5	570.0	718.2	845.8	934.3	977.5	973.4	880.8	833.5	629.7
87.5°	362.2	360.1	434.2	551.5	670.9	740.9	773.8	747.0	683.2	642.1	483.6
90°	269.6	277.8	335.4	430.1	522.7	582.4	609.1	578.3	524.8	491.8	372.5
92.5°	207.9	212.0	263.4	335.4	413.6	465.1	483.6	448.6	397.2	378.7	286.1
95°	162.6	166.7	203.7	263.4	321.0	360.1	370.4	343.7	302.5	288.1	222.3
97.5°	131.7	133.8	160.5	209.9	255.2	286.1	290.2	263.4	236.7	220.2	174.9
100°	105.0	105.0	129.6	166.7	201.7	226.4	224.3	207.9	185.2	172.9	135.8
102.5°	86.4	86.4	105.0	137.9	164.6	183.2	183.2	162.6	144.1	133.8	107.0
105°	72.0	72.0	86.4	111.1	135.8	150.2	148.2	131.7	113.2	105.0	84.4
107.5°	61.7	61.7	72.0	92.6	111.1	123.5	121.4	105.0	90.5	84.4	70.0
110°	53.5	53.5	61.7	78.2	94.7	102.9	100.8	84.4	72.0	67.9	57.6

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	45.3	47.3	51.4	65.9	80.3	88.5	84.4	70.0	57.6	53.5	49.4
115°	41.2	41.2	45.3	55.6	67.9	74.1	70.0	57.6	47.3	45.3	41.2
117.5°	37.0	37.0	41.2	49.4	59.7	63.8	59.7	47.3	41.2	37.0	35.0
120°	32.9	32.9	35.0	43.2	49.4	53.5	49.4	39.1	32.9	32.9	30.9
122.5°	30.9	30.9	32.9	37.0	43.2	45.3	41.2	32.9	28.8	28.8	28.8
125°	26.8	28.8	28.8	32.9	37.0	39.1	35.0	28.8	24.7	24.7	24.7
127.5°	24.7	24.7	26.8	28.8	30.9	32.9	28.8	24.7	22.6	20.6	22.6
130°	22.6	22.6	22.6	24.7	26.8	26.8	24.7	20.6	18.5	18.5	20.6
132.5°	20.6	20.6	20.6	20.6	22.6	22.6	20.6	16.5	16.5	16.5	18.5
135°	18.5	18.5	18.5	18.5	18.5	18.5	16.5	14.4	14.4	14.4	16.5
137.5°	16.5	16.5	16.5	16.5	14.4	14.4	12.3	12.3	12.3	12.3	14.4
140°	14.4	14.4	14.4	12.3	12.3	10.3	10.3	10.3	10.3	10.3	12.3
142.5°	12.3	12.3	12.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	10.3
145°	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2
147.5°	8.2	8.2	6.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	6.2	6.2	4.1	4.1	4.1	2.1	2.1	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°	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0	177.0
2.5°	179.0	177.0	174.9	172.9	170.8	170.8	168.8	166.7	166.7	166.7	164.6
5°	185.2	181.1	177.0	172.9	166.7	164.6	160.5	158.5	156.4	154.3	154.3
7.5°	195.5	191.4	183.2	174.9	168.8	162.6	156.4	152.3	150.2	148.2	148.2
10°	212.0	205.8	193.4	183.2	172.9	164.6	158.5	152.3	150.2	148.2	146.1
12.5°	234.6	228.4	212.0	195.5	183.2	170.8	162.6	156.4	152.3	150.2	150.2
15°	267.5	257.2	236.7	216.1	197.6	183.2	172.9	166.7	164.6	162.6	162.6
17.5°	302.5	288.1	265.5	238.7	218.1	199.6	187.3	183.2	179.0	177.0	177.0
20°	343.7	327.2	298.4	265.5	238.7	220.2	205.8	197.6	193.4	191.4	191.4
22.5°	388.9	374.5	333.4	296.3	263.4	242.8	222.3	212.0	207.9	205.8	207.9
25°	442.5	421.9	374.5	329.3	290.2	261.4	240.8	226.4	224.3	222.3	224.3
27.5°	502.1	475.4	419.8	360.1	314.9	279.9	257.2	242.8	240.8	238.7	240.8
30°	565.9	541.2	467.1	397.2	339.6	296.3	271.6	259.3	255.2	257.2	255.2
32.5°	635.9	596.8	514.5	430.1	360.1	308.7	281.9	271.6	271.6	273.7	273.7
35°	712.0	668.8	561.8	461.0	376.6	321.0	292.2	284.0	284.0	288.1	288.1
37.5°	788.2	736.7	609.1	485.7	388.9	327.2	300.5	294.3	294.3	300.5	300.5
40°	870.5	808.8	652.4	508.3	399.2	333.4	304.6	302.5	304.6	310.7	310.7
42.5°	959.0	878.7	691.5	524.8	403.4	335.4	308.7	308.7	312.8	316.9	319.0
45°	1051.6	954.9	730.6	535.1	405.4	335.4	310.7	310.7	319.0	323.1	323.1
47.5°	1152.4	1031.0	761.4	541.2	403.4	333.4	310.7	314.9	321.0	325.2	325.2
50°	1261.5	1113.3	790.2	541.2	399.2	331.3	310.7	314.9	323.1	325.2	325.2
52.5°	1368.5	1193.6	808.8	535.1	393.1	327.2	308.7	314.9	323.1	323.1	323.1
55°	1481.7	1269.7	825.2	526.8	384.8	323.1	306.6	314.9	321.0	321.0	321.0
57.5°	1572.3	1331.5	827.3	514.5	376.6	319.0	304.6	312.8	319.0	316.9	316.9
60°	1650.5	1374.7	821.1	498.0	366.3	312.8	302.5	310.7	316.9	312.8	312.8
62.5°	1701.9	1393.2	802.6	479.5	356.0	308.7	300.5	308.7	314.9	310.7	310.7
65°	1704.0	1374.7	767.6	458.9	343.7	302.5	296.3	306.6	312.8	306.6	306.6
67.5°	1656.6	1319.1	722.3	434.2	333.4	296.3	292.2	302.5	308.7	302.5	302.5
70°	1555.8	1226.5	666.8	409.5	319.0	290.2	288.1	298.4	302.5	296.3	294.3
72.5°	1409.7	1103.0	605.0	380.7	304.6	279.9	279.9	290.2	294.3	288.1	286.1
75°	1220.4	961.1	537.1	349.8	288.1	269.6	271.6	279.9	284.0	277.8	273.7
77.5°	1026.9	817.0	471.3	323.1	271.6	257.2	259.3	269.6	271.6	265.5	261.4
80°	833.5	664.7	405.4	292.2	253.1	244.9	247.0	253.1	255.2	249.0	244.9
82.5°	668.8	541.2	343.7	263.4	234.6	228.4	232.5	236.7	236.7	230.5	226.4
85°	526.8	430.1	292.2	232.5	214.0	212.0	216.1	218.1	216.1	209.9	205.8
87.5°	407.5	341.6	244.9	203.7	193.4	195.5	197.6	197.6	195.5	191.4	185.2
90°	316.9	271.6	205.8	179.0	174.9	177.0	179.0	179.0	174.9	168.8	164.6
92.5°	251.1	220.2	172.9	156.4	156.4	160.5	160.5	160.5	154.3	148.2	146.1
95°	195.5	174.9	146.1	137.9	137.9	142.0	144.1	142.0	135.8	129.6	127.6
97.5°	156.4	142.0	125.5	119.4	123.5	127.6	127.6	123.5	117.3	113.2	111.1
100°	125.5	115.2	105.0	105.0	109.1	113.2	113.2	109.1	102.9	94.7	94.7
102.5°	100.8	96.7	90.5	92.6	94.7	98.8	98.8	94.7	86.4	80.3	80.3
105°	82.3	80.3	78.2	80.3	84.4	86.4	86.4	82.3	74.1	67.9	67.9
107.5°	67.9	65.9	65.9	70.0	74.1	76.1	76.1	70.0	63.8	57.6	59.7
110°	57.6	55.6	55.6	59.7	63.8	65.9	65.9	61.7	53.5	49.4	51.4

REPORT NUMBER: P695448  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T4W-FL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	47.3	47.3	49.4	53.5	57.6	59.7	57.6	51.4	45.3	43.2	43.2
115°	41.2	41.2	43.2	47.3	49.4	51.4	49.4	45.3	39.1	37.0	37.0
117.5°	35.0	35.0	37.0	41.2	43.2	45.3	43.2	39.1	32.9	32.9	32.9
120°	30.9	30.9	32.9	37.0	39.1	39.1	37.0	32.9	28.8	28.8	28.8
122.5°	28.8	28.8	28.8	30.9	32.9	35.0	32.9	28.8	24.7	24.7	24.7
125°	24.7	24.7	26.8	28.8	28.8	28.8	26.8	24.7	22.6	22.6	22.6
127.5°	22.6	22.6	22.6	24.7	26.8	24.7	22.6	20.6	18.5	20.6	20.6
130°	20.6	20.6	20.6	20.6	22.6	22.6	20.6	18.5	16.5	16.5	16.5
132.5°	18.5	18.5	18.5	18.5	18.5	18.5	16.5	14.4	14.4	16.5	16.5
135°	16.5	16.5	16.5	16.5	16.5	16.5	14.4	12.3	12.3	14.4	14.4
137.5°	14.4	14.4	14.4	12.3	14.4	12.3	12.3	12.3	12.3	12.3	12.3
140°	12.3	12.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
142.5°	10.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3
145°	8.2	8.2	8.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	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)