

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: P695446

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695446  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5725 lumens  
Efficiency: N/A  
Efficacy: 107.8 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

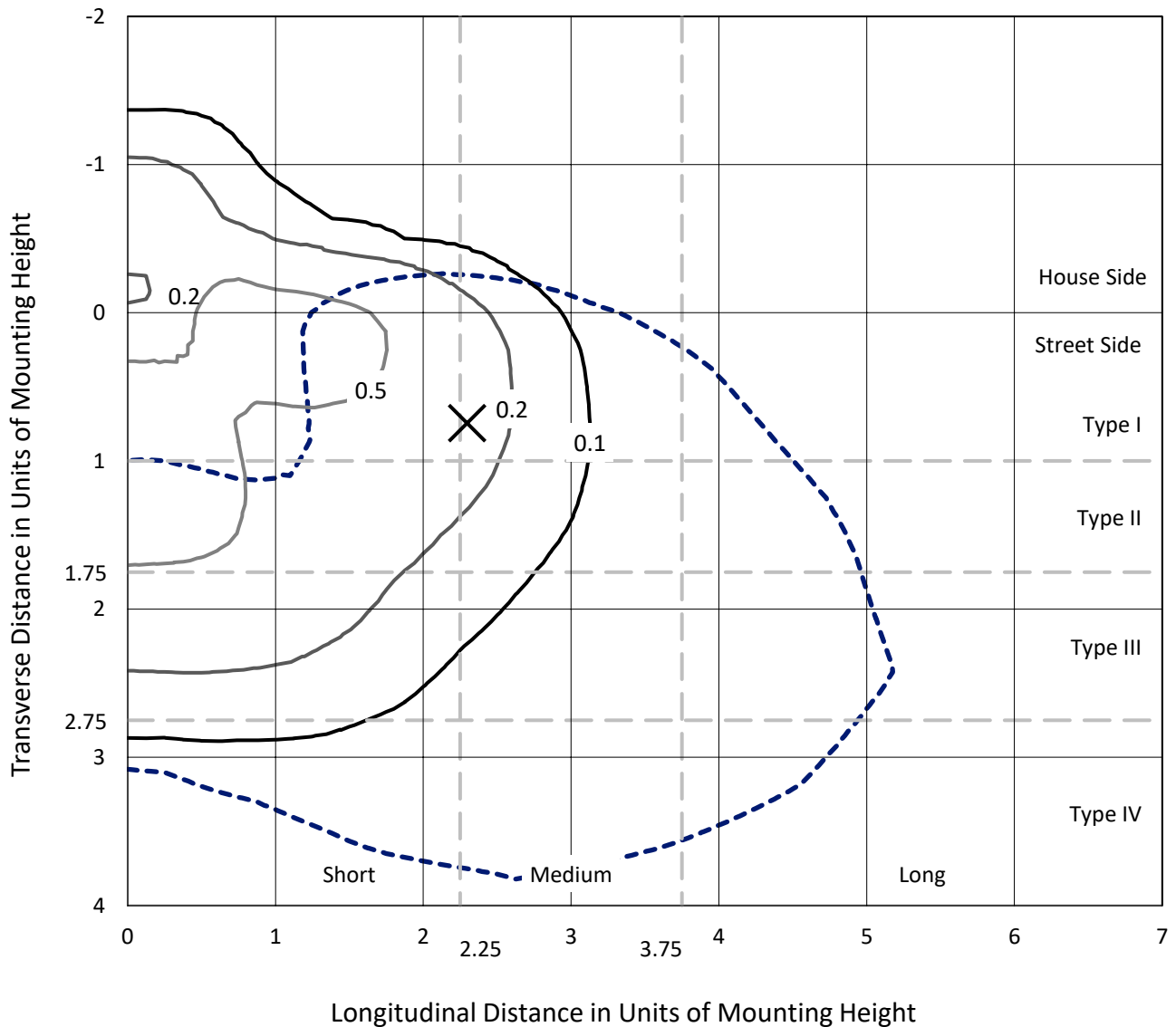
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

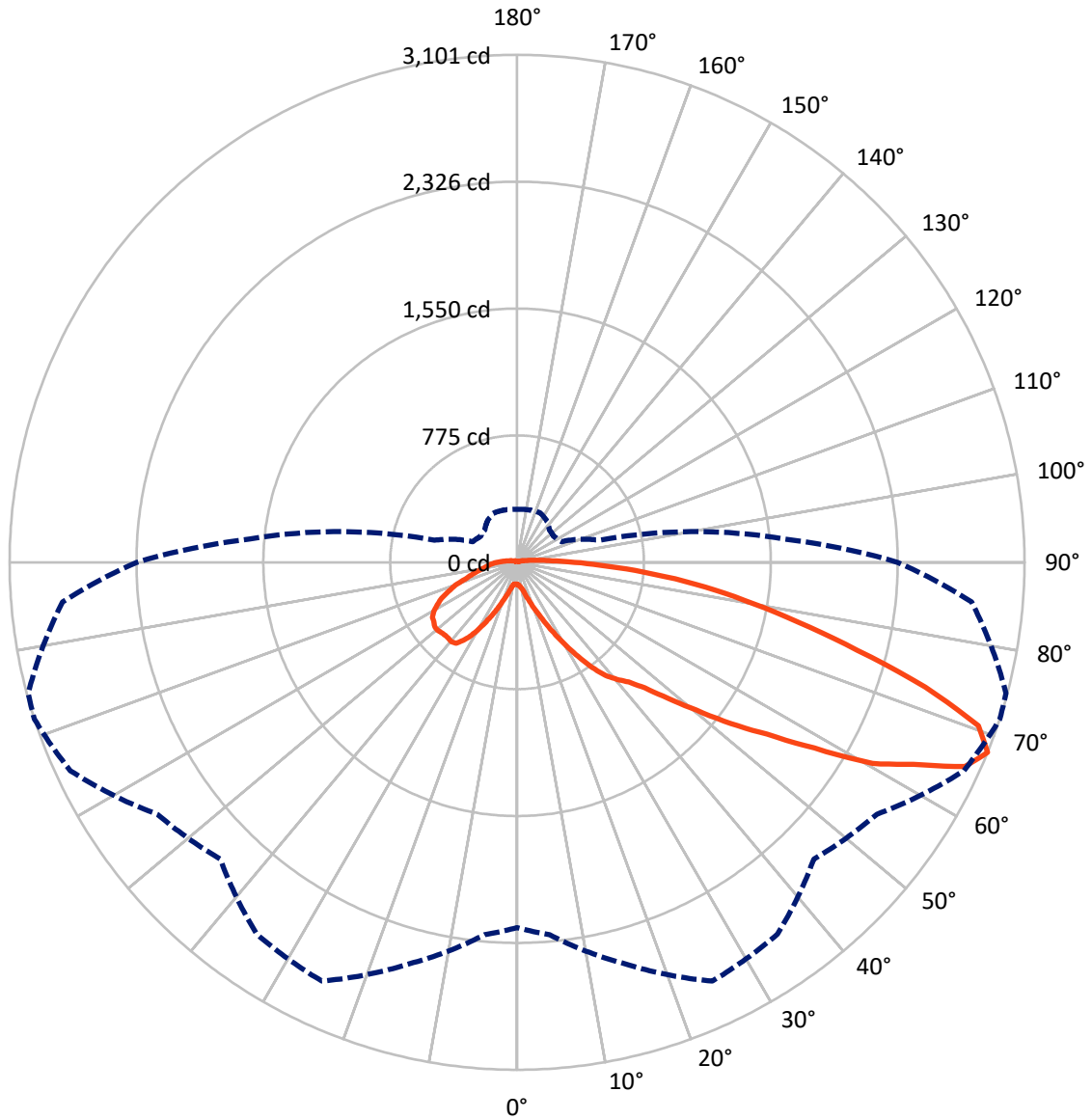
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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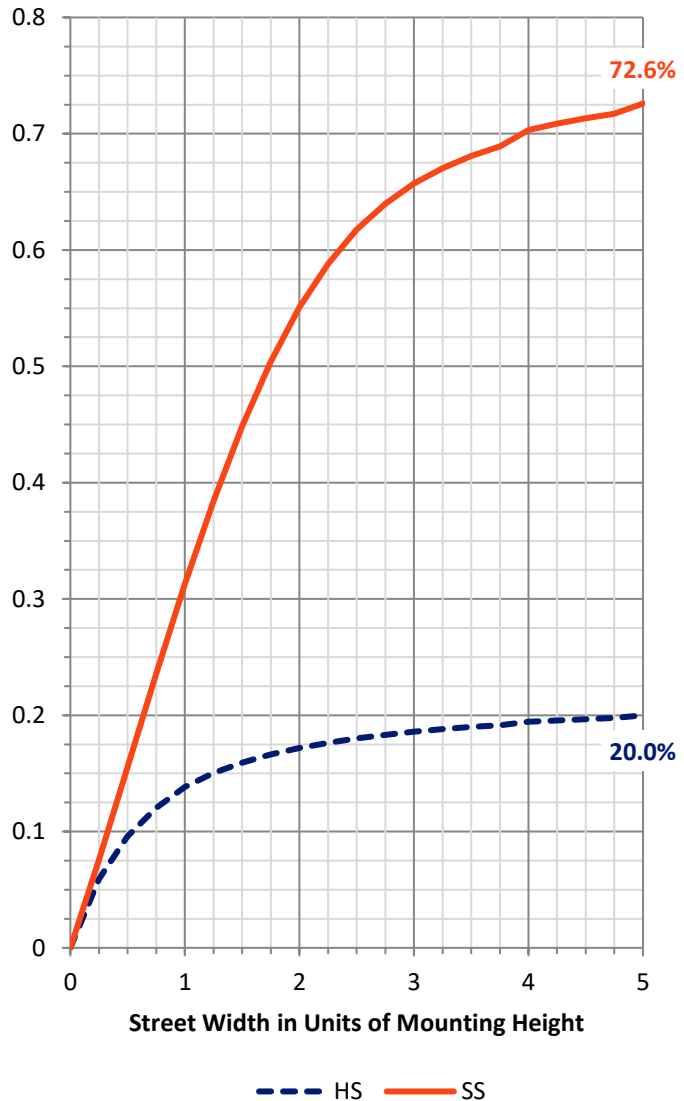
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1208.3	103.9	1312.1
	% Fixture	21.1	1.8	22.9
<b>Street Side</b>	Lumens	4302.3	110.6	4412.9
	% Fixture	75.1	1.9	77.1
<b>Total</b>	Lumens	5510.5	214.5	5725.0
	% Fixture	96.3	3.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.7	0.2
10°-20°	59.3	1.0
20°-30°	179.7	3.1
30°-40°	404.5	7.1
40°-50°	649.3	11.3
50°-60°	1052.5	18.4
60°-70°	1535.0	26.8
70°-80°	1150.8	20.1
80°-90°	465.8	8.1
90°-100°	129.3	2.3
100°-110°	42.4	0.7
110°-120°	19.6	0.3
120°-130°	11.8	0.2
130°-140°	7.5	0.1
140°-150°	3.6	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5510.5	96.3
0°-180°	5725.0	100.0

**Coefficient of Utilization**

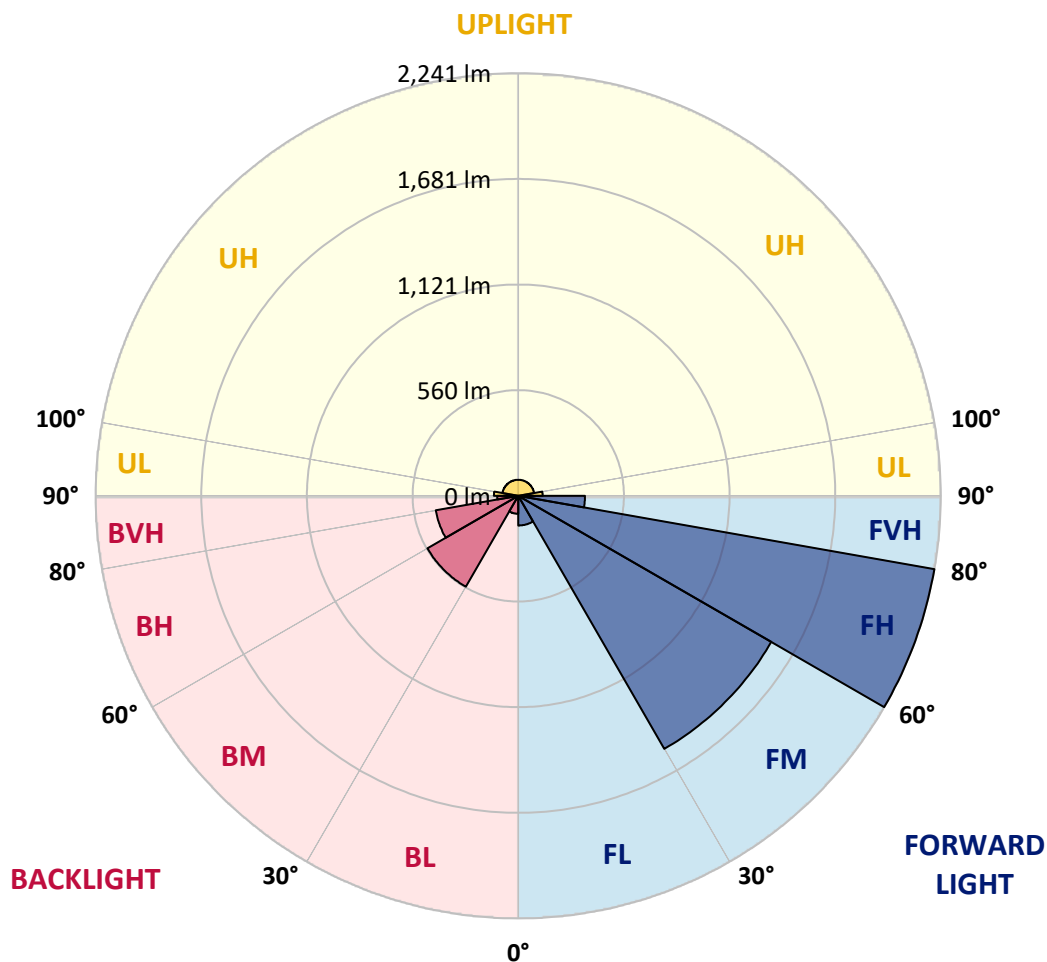


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	157.4	2.7			
FM (30°-60°)	1549.7	27.1			
FH (60°-80°)	2241.4	39.2			G2/5000
FVH (80°-90°)	353.7	6.2			G3/500
BL (0°-30°)	95.3	1.7	B0/110		
BM (30°-60°)	556.5	9.7	B1/1000		
BH (60°-80°)	444.3	7.8	B1/500		G1/500
BVH (80°-90°)	112.1	2.0			G2/225
UL (90°-100°)	129.3	2.3		U3/500	
UH (100°-180°)	85.2	1.5		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°	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8
2.5°	142.0	142.0	142.0	142.0	142.0	142.0	142.0	139.9	137.9	137.9	135.8
5°	154.3	154.3	154.3	154.3	154.3	152.3	148.1	146.1	144.0	142.0	139.9
7.5°	172.8	170.8	170.8	168.7	166.7	164.6	160.5	156.4	152.3	150.2	146.1
10°	195.5	195.5	193.4	189.3	187.2	179.0	174.9	168.7	164.6	162.6	156.4
12.5°	236.6	232.5	230.5	224.3	214.0	203.7	195.5	189.3	185.2	185.2	177.0
15°	283.9	281.9	277.8	261.3	249.0	234.6	224.3	220.2	218.1	214.0	207.8
17.5°	341.6	341.6	333.3	310.7	290.1	275.7	263.4	257.2	255.1	255.1	249.0
20°	415.6	415.6	399.2	366.3	341.6	323.0	308.6	300.4	300.4	298.4	294.2
22.5°	502.1	506.2	481.5	438.3	397.1	370.4	353.9	351.8	351.8	360.1	356.0
25°	602.9	602.9	572.0	516.5	469.1	421.8	409.5	417.7	423.9	432.1	434.2
27.5°	732.5	728.4	677.0	607.0	532.9	481.5	467.1	483.5	502.1	508.2	520.6
30°	880.7	874.5	810.7	711.9	611.1	535.0	528.8	559.7	592.6	598.8	615.2
32.5°	1006.2	1010.3	938.3	829.2	691.4	600.8	594.6	644.0	685.2	699.6	730.4
35°	1158.4	1160.5	1074.1	936.2	769.5	662.5	660.5	728.4	788.1	806.6	839.5
37.5°	1222.2	1234.6	1168.7	1028.8	847.7	728.4	724.3	808.6	876.5	897.1	934.2
40°	1288.1	1296.3	1228.4	1096.7	911.5	786.0	788.1	878.6	940.3	965.0	985.6
42.5°	1423.9	1428.0	1335.4	1168.7	965.0	845.7	847.7	930.0	1000.0	1030.9	1067.9
45°	1545.3	1563.8	1473.2	1281.9	1037.0	897.1	901.2	1014.4	1092.6	1135.8	1181.1
47.5°	1718.1	1718.1	1644.0	1432.1	1144.0	967.1	989.7	1133.7	1240.7	1277.8	1343.6
50°	1872.4	1874.5	1818.9	1594.6	1263.4	1063.8	1104.9	1283.9	1419.7	1463.0	1551.4
52.5°	2000.0	2002.0	1963.0	1781.9	1425.9	1191.4	1238.7	1483.5	1635.8	1689.3	1767.5
55°	2158.4	2148.1	2123.4	1969.1	1611.1	1356.0	1425.9	1695.5	1853.9	1925.9	2020.6
57.5°	2327.1	2314.8	2325.1	2172.8	1823.0	1559.7	1631.7	1921.8	2142.0	2234.6	2343.6
60°	2419.7	2423.9	2502.0	2440.3	2080.2	1812.7	1893.0	2267.5	2495.9	2567.9	2592.6
62.5°	2465.0	2469.1	2602.9	2644.0	2384.8	2078.2	2191.3	2553.5	2718.1	2808.6	2790.1
65°	2452.7	2469.1	2683.1	2796.3	2639.9	2364.2	2485.6	2823.0	3008.2	3055.5	2911.5
67.5°	2232.5	2283.9	2539.1	2823.0	2773.6	2563.8	2683.1	3012.3	3100.8	3092.6	2788.0
70°	1890.9	1905.3	2211.9	2623.4	2734.6	2555.5	2701.6	2973.2	2989.7	2946.5	2514.4
72.5°	1454.7	1489.7	1767.5	2214.0	2462.9	2372.4	2495.9	2709.9	2609.0	2500.0	2028.8
75°	1067.9	1053.5	1286.0	1720.2	2039.1	2051.4	2172.8	2298.3	2148.1	2059.7	1656.4
77.5°	724.3	759.3	925.9	1273.7	1602.9	1714.0	1835.4	1851.8	1753.1	1681.1	1267.5
80°	495.9	502.1	627.6	930.0	1251.0	1407.4	1514.4	1551.4	1409.5	1327.2	956.8
82.5°	283.9	290.1	397.1	668.7	981.5	1162.5	1271.6	1261.3	1098.8	1016.5	664.6
85°	158.4	160.5	230.5	413.6	738.7	930.0	1024.7	942.4	779.8	703.7	436.2
87.5°	94.6	98.8	137.9	265.4	502.1	720.2	767.5	656.4	504.1	448.6	288.1
90°	59.7	63.8	84.4	156.4	323.0	506.2	520.6	413.6	312.8	281.9	195.5
92.5°	39.1	41.2	55.6	96.7	199.6	318.9	333.3	249.0	193.4	172.8	133.7
95°	30.9	30.9	39.1	65.8	123.5	187.2	201.6	150.2	125.5	113.2	92.6
97.5°	24.7	24.7	30.9	47.3	84.4	117.3	121.4	98.8	84.4	82.3	70.0
100°	20.6	22.6	26.7	37.0	59.7	78.2	78.2	67.9	61.7	61.7	55.6
102.5°	18.5	18.5	22.6	30.9	47.3	59.7	57.6	51.4	47.3	47.3	45.3
105°	18.5	16.5	20.6	24.7	37.0	45.3	43.2	39.1	37.0	35.0	35.0
107.5°	16.5	14.4	16.5	20.6	30.9	37.0	35.0	30.9	28.8	26.7	28.8
110°	14.4	14.4	14.4	18.5	24.7	30.9	28.8	24.7	22.6	22.6	22.6

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

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	12.3	12.3	12.3	16.5	20.6	24.7	24.7	20.6	18.5	16.5	18.5
115°	12.3	12.3	12.3	14.4	18.5	22.6	20.6	16.5	14.4	14.4	16.5
117.5°	10.3	10.3	10.3	14.4	16.5	18.5	18.5	14.4	12.3	12.3	14.4
120°	10.3	10.3	10.3	12.3	16.5	16.5	16.5	12.3	12.3	12.3	14.4
122.5°	10.3	10.3	10.3	12.3	14.4	16.5	14.4	12.3	10.3	10.3	12.3
125°	10.3	10.3	10.3	12.3	14.4	14.4	12.3	10.3	10.3	10.3	12.3
127.5°	10.3	10.3	10.3	12.3	12.3	12.3	12.3	10.3	10.3	10.3	12.3
130°	10.3	10.3	10.3	10.3	12.3	12.3	10.3	10.3	10.3	10.3	10.3
132.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.2	10.3	10.3	10.3
135°	10.3	10.3	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3
137.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	10.3
140°	8.2	8.2	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	8.2
142.5°	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
145°	6.2	6.2	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2
147.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
150°	4.1	4.1	4.1	4.1	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



REPORT NUMBER: P695446  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8	135.8
2.5°	135.8	135.8	133.7	131.7	131.7	131.7	131.7	131.7	129.6	129.6	129.6
5°	137.9	135.8	133.7	131.7	129.6	127.6	125.5	125.5	123.5	123.5	123.5
7.5°	144.0	142.0	135.8	131.7	127.6	125.5	123.5	121.4	119.3	117.3	117.3
10°	154.3	150.2	142.0	135.8	129.6	125.5	121.4	119.3	117.3	117.3	115.2
12.5°	172.8	168.7	156.4	146.1	135.8	129.6	123.5	121.4	121.4	121.4	123.5
15°	203.7	197.5	181.1	166.7	150.2	137.9	133.7	135.8	137.9	139.9	139.9
17.5°	242.8	234.6	216.0	191.4	168.7	154.3	152.3	154.3	158.4	162.6	162.6
20°	288.1	277.8	249.0	220.2	191.4	179.0	172.8	177.0	183.1	191.4	189.3
22.5°	351.8	335.4	300.4	253.1	220.2	203.7	195.5	201.6	214.0	222.2	222.2
25°	423.9	403.3	358.0	294.2	249.0	224.3	220.2	230.5	253.1	265.4	265.4
27.5°	506.2	481.5	419.8	337.4	279.8	246.9	242.8	265.4	294.2	316.9	314.8
30°	602.9	574.1	493.8	382.7	308.6	265.4	269.5	300.4	339.5	366.3	366.3
32.5°	714.0	668.7	565.8	432.1	331.3	281.9	290.1	331.3	378.6	405.3	409.5
35°	818.9	765.4	625.5	469.1	349.8	296.3	306.6	360.1	415.6	448.6	448.6
37.5°	909.5	851.8	672.8	493.8	358.0	304.5	321.0	382.7	436.2	469.1	469.1
40°	952.7	884.8	687.2	497.9	360.1	308.6	329.2	393.0	444.4	471.2	469.1
42.5°	1030.9	940.3	689.3	475.3	353.9	310.7	333.3	388.9	428.0	440.3	438.3
45°	1135.8	1018.5	699.6	454.7	339.5	306.6	329.2	374.5	397.1	399.2	395.1
47.5°	1271.6	1131.7	714.0	436.2	327.2	300.4	318.9	353.9	366.3	360.1	358.0
50°	1458.8	1261.3	734.6	415.6	318.9	290.1	308.6	339.5	347.7	335.4	333.3
52.5°	1642.0	1390.9	742.8	395.1	310.7	283.9	302.5	333.3	335.4	314.8	312.8
55°	1864.2	1530.9	732.5	372.4	306.6	281.9	302.5	329.2	321.0	300.4	296.3
57.5°	2142.0	1709.9	730.4	351.8	298.4	281.9	304.5	325.1	318.9	304.5	302.5
60°	2314.8	1786.0	697.5	339.5	292.2	286.0	308.6	331.3	323.0	306.6	304.5
62.5°	2438.3	1818.9	648.1	325.1	288.1	286.0	314.8	333.3	321.0	308.6	306.6
65°	2473.2	1786.0	596.7	310.7	281.9	286.0	316.9	331.3	325.1	316.9	316.9
67.5°	2325.1	1637.8	522.6	298.4	273.7	279.8	312.8	333.3	329.2	325.1	323.0
70°	2055.5	1428.0	454.7	281.9	259.3	269.5	306.6	333.3	333.3	331.3	331.3
72.5°	1639.9	1102.9	366.3	263.4	242.8	257.2	298.4	327.2	325.1	323.0	321.0
75°	1314.8	870.4	310.7	238.7	226.3	240.7	286.0	314.8	310.7	310.7	308.6
77.5°	989.7	658.4	263.4	216.0	205.8	226.3	267.5	294.2	292.2	290.1	286.0
80°	716.0	487.7	224.3	195.5	189.3	207.8	244.9	267.5	267.5	267.5	265.4
82.5°	518.5	360.1	195.5	177.0	172.8	189.3	220.2	238.7	246.9	253.1	249.0
85°	341.6	253.1	172.8	160.5	160.5	174.9	199.6	216.0	228.4	234.6	232.5
87.5°	232.5	193.4	152.3	142.0	146.1	160.5	183.1	195.5	205.8	211.9	209.9
90°	164.6	150.2	129.6	121.4	125.5	144.0	164.6	174.9	179.0	181.1	179.0
92.5°	117.3	111.1	102.9	98.8	104.9	125.5	144.0	148.1	148.1	146.1	142.0
95°	88.5	84.4	82.3	78.2	86.4	104.9	119.3	119.3	119.3	113.2	113.2
97.5°	67.9	67.9	67.9	63.8	70.0	84.4	94.6	92.6	92.6	88.5	88.5
100°	55.6	55.6	55.6	53.5	57.6	67.9	72.0	72.0	74.1	72.0	72.0
102.5°	45.3	45.3	45.3	45.3	47.3	55.6	59.7	57.6	59.7	59.7	59.7
105°	37.0	37.0	39.1	37.0	41.2	47.3	47.3	47.3	49.4	45.3	47.3
107.5°	28.8	30.9	30.9	30.9	35.0	39.1	41.2	39.1	39.1	37.0	37.0
110°	24.7	26.7	26.7	26.7	28.8	32.9	35.0	32.9	30.9	30.9	30.9

REPORT NUMBER: P695446  
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T4W-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.6	22.6	22.6	22.6	24.7	28.8	28.8	26.7	24.7	24.7	24.7
115°	18.5	18.5	20.6	20.6	22.6	24.7	24.7	22.6	20.6	22.6	22.6
117.5°	16.5	16.5	18.5	18.5	18.5	20.6	20.6	18.5	18.5	20.6	20.6
120°	14.4	16.5	16.5	16.5	16.5	18.5	18.5	16.5	16.5	18.5	18.5
122.5°	14.4	14.4	14.4	14.4	16.5	16.5	16.5	14.4	14.4	16.5	16.5
125°	12.3	14.4	14.4	14.4	14.4	14.4	14.4	12.3	14.4	14.4	16.5
127.5°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	14.4	14.4
130°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	10.3	12.3	12.3	12.3
132.5°	12.3	12.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3
135°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	12.3	12.3
137.5°	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	10.3	10.3	10.3
140°	8.2	8.2	8.2	6.2	6.2	6.2	8.2	8.2	8.2	8.2	8.2
142.5°	8.2	8.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
145°	6.2	6.2	6.2	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2
147.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	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

(END OF REPORT)