

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: P695854

Luminaire Tested: **LXF.LXT-PA16-727-U-T2R-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695854  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-727-U-T2R-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5861 lumens  
Efficiency: N/A  
Efficacy: 81.4 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: B1 - U3 - G2

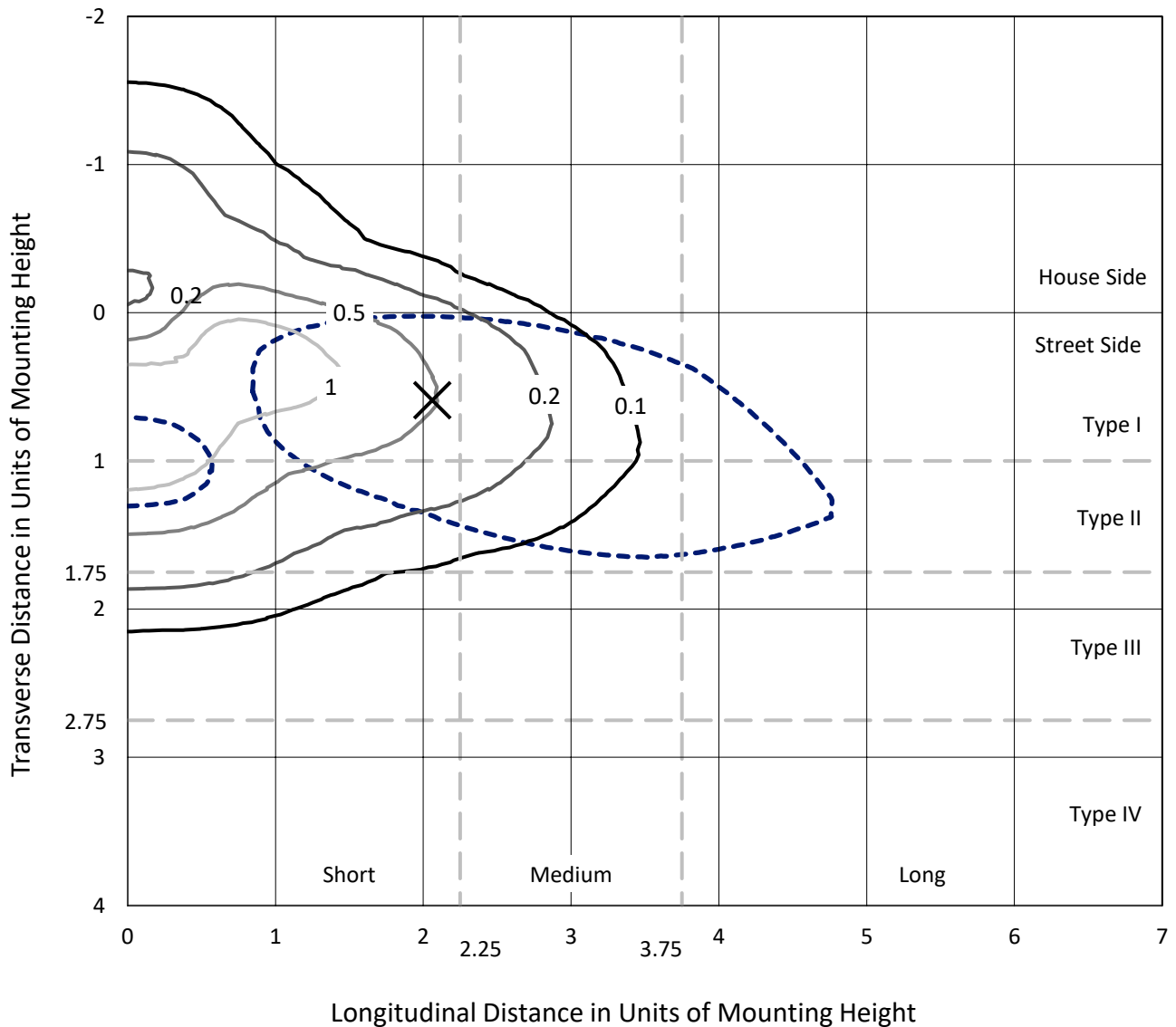
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

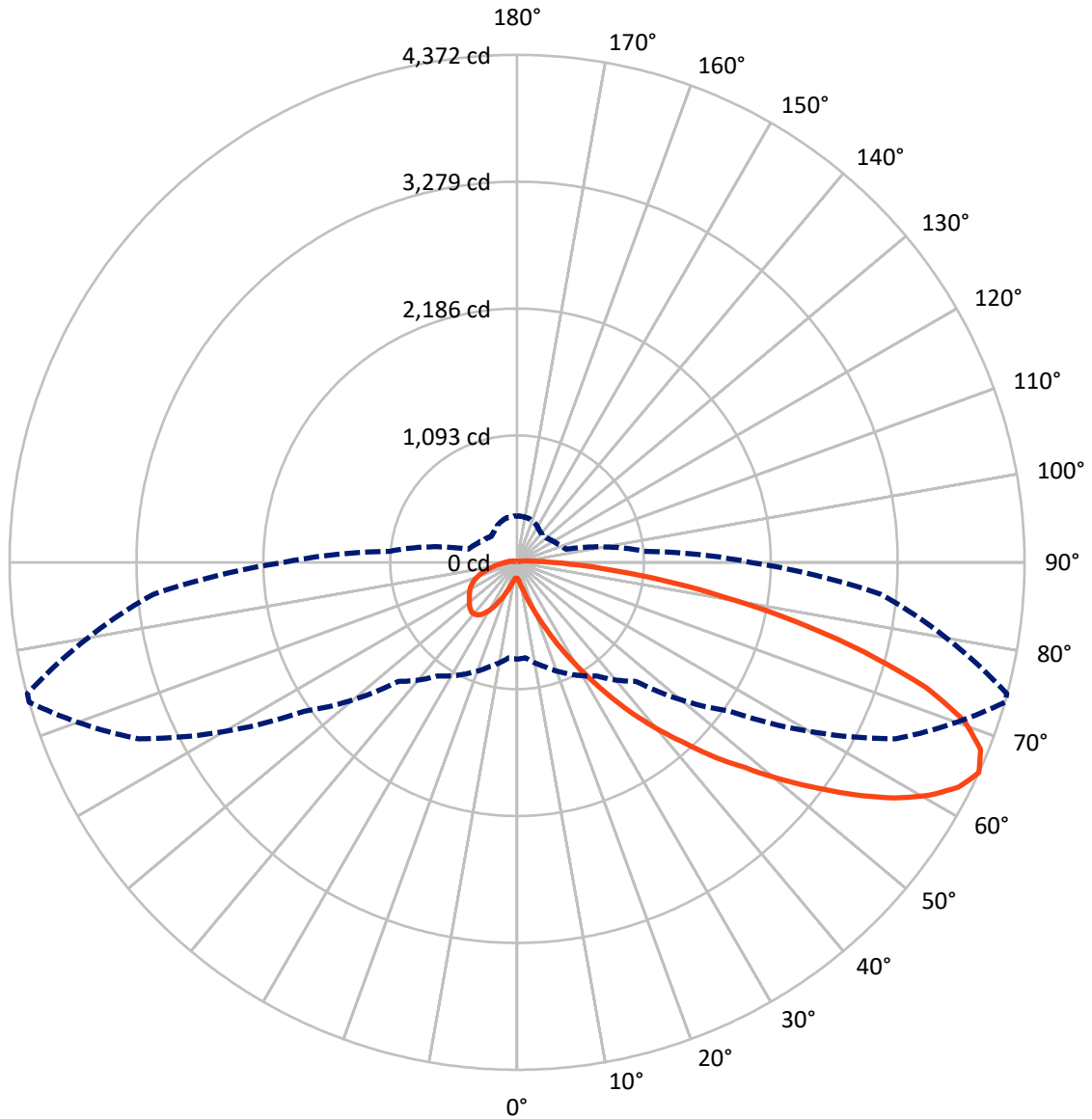
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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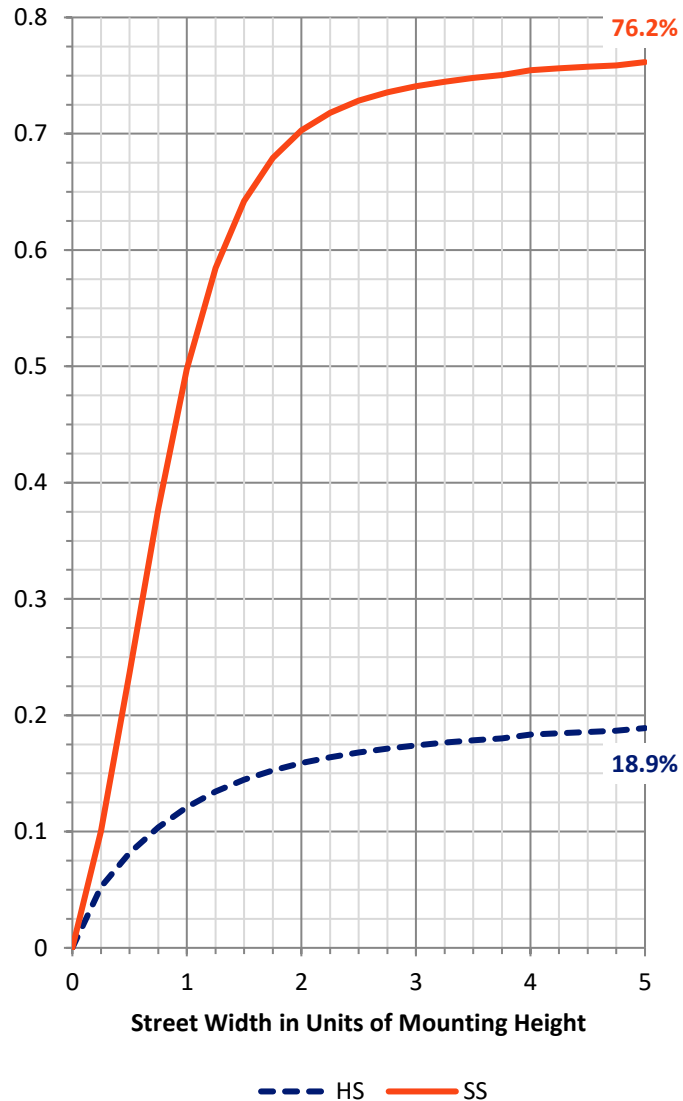
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1162.9	94.8	1257.8
	% Fixture	19.8	1.6	21.5
<b>Street Side</b>	Lumens	4518.3	84.9	4603.2
	% Fixture	77.1	1.4	78.5
<b>Total</b>	Lumens	5681.3	179.7	5861.0
	% Fixture	96.9	3.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.9	0.3
10°-20°	84.5	1.4
20°-30°	280.9	4.8
30°-40°	643.8	11.0
40°-50°	1030.4	17.6
50°-60°	1279.0	21.8
60°-70°	1241.2	21.2
70°-80°	809.6	13.8
80°-90°	296.0	5.1
90°-100°	88.3	1.5
100°-110°	40.9	0.7
110°-120°	22.6	0.4
120°-130°	14.1	0.2
130°-140°	8.9	0.2
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5681.3	96.9
0°-180°	5861.0	100.0

**Coefficient of Utilization**

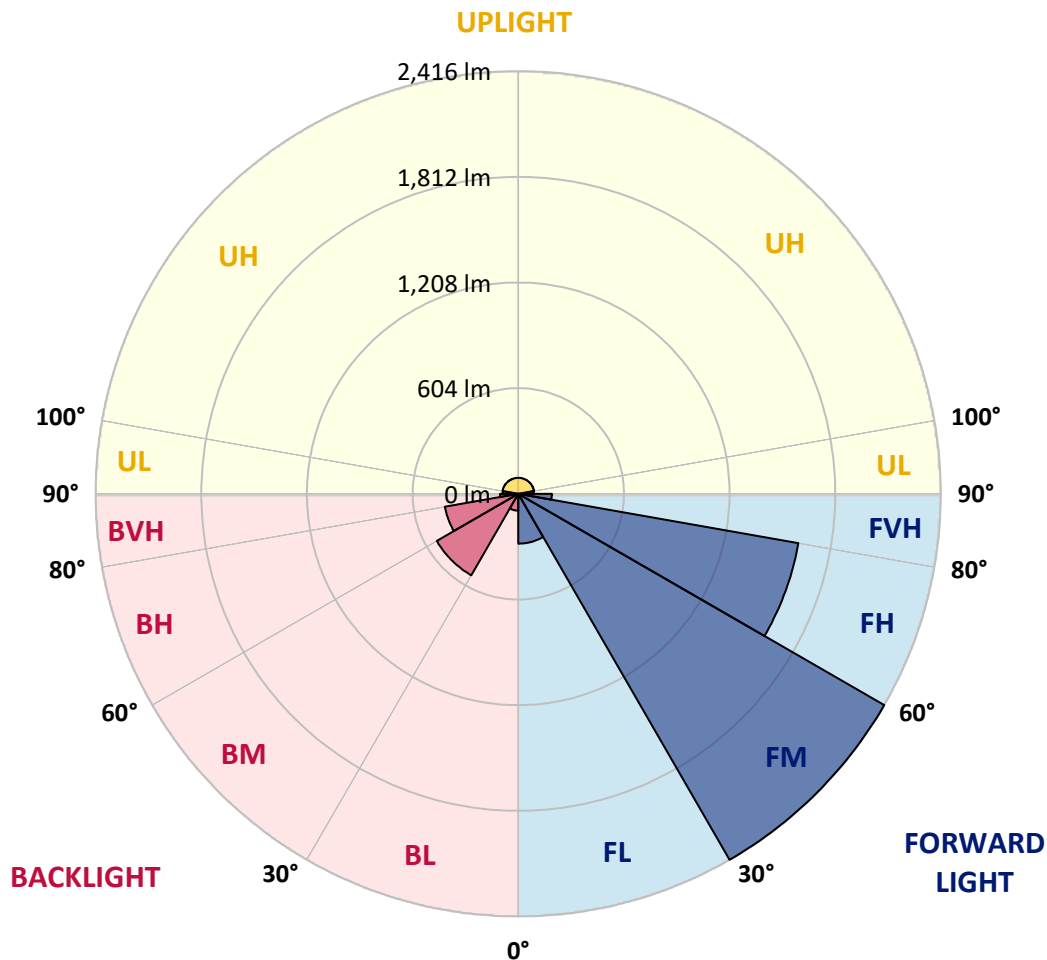


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.9	4.9			
FM (30°-60°)	2415.6	41.2			
FH (60°-80°)	1625.7	27.7			G1/1800
FVH (80°-90°)	192.2	3.3			G2/225
BL (0°-30°)	96.4	1.6	B0/110		
BM (30°-60°)	537.6	9.2	B1/1000		
BH (60°-80°)	425.2	7.3	B1/500		G1/500
BVH (80°-90°)	103.8	1.8			G2/225
UL (90°-100°)	88.3	1.5		U3/500	
UH (100°-180°)	91.4	1.6		U3/500	

**BUG Rating: B1-U3-G2**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	158.6	160.8	160.8	158.6	156.4	156.4	152.1	147.8	145.6	145.6	143.4
5°	193.4	195.6	195.6	191.2	184.7	182.5	173.8	167.3	160.8	160.8	152.1
7.5°	243.4	245.5	241.2	236.8	228.1	219.5	208.6	195.6	182.5	180.3	169.5
10°	302.0	308.5	304.2	293.3	280.3	269.4	252.0	230.3	217.3	212.9	193.4
12.5°	393.3	388.9	378.1	367.2	352.0	330.3	306.4	280.3	254.2	256.4	230.3
15°	486.7	495.4	480.2	460.6	430.2	406.3	373.7	345.5	317.2	312.9	278.1
17.5°	623.6	621.4	604.0	564.9	519.3	495.4	460.6	425.9	393.3	382.4	336.8
20°	784.4	782.2	747.4	697.5	654.0	606.2	558.4	521.5	482.4	473.7	415.0
22.5°	975.6	966.9	930.0	858.3	784.4	725.7	675.7	647.5	595.3	586.7	506.3
25°	1197.2	1177.7	1136.4	1040.8	927.8	860.4	814.8	782.2	732.2	721.4	617.1
27.5°	1442.7	1429.7	1353.7	1227.6	1092.9	988.6	956.0	934.3	893.0	880.0	740.9
30°	1673.1	1677.4	1594.8	1436.2	1264.6	1138.5	1114.6	1116.8	1062.5	1051.6	886.5
32.5°	1946.8	1929.4	1823.0	1640.5	1425.4	1295.0	1273.3	1303.7	1258.0	1249.4	1045.1
35°	2164.1	2177.1	2064.2	1838.2	1588.3	1438.4	1447.1	1497.1	1471.0	1457.9	1186.3
37.5°	2372.7	2361.8	2229.3	2005.5	1729.5	1573.1	1605.7	1716.5	1690.4	1675.2	1353.7
40°	2511.8	2498.7	2383.6	2142.4	1857.7	1697.0	1760.0	1925.1	1914.2	1907.7	1497.1
42.5°	2576.9	2559.6	2466.1	2238.0	1951.2	1794.7	1918.6	2138.0	2135.9	2129.3	1662.2
45°	2561.7	2550.9	2479.2	2294.5	2012.0	1886.0	2059.8	2359.7	2398.8	2368.3	1814.3
47.5°	2494.4	2483.5	2433.5	2294.5	2044.6	1942.5	2185.8	2592.1	2642.1	2613.9	1983.8
50°	2359.7	2355.3	2342.3	2240.2	2040.3	1988.1	2307.5	2802.9	2937.6	2909.4	2177.1
52.5°	2170.6	2168.5	2190.2	2142.4	1999.0	1994.6	2403.1	3046.3	3226.6	3196.2	2366.2
55°	1949.0	1949.0	1985.9	1990.3	1918.6	1970.7	2477.0	3241.8	3537.3	3493.9	2572.6
57.5°	1666.5	1675.2	1757.8	1812.1	1786.0	1901.2	2503.1	3428.7	3830.6	3802.4	2785.5
60°	1386.2	1390.6	1486.2	1577.5	1623.1	1803.4	2479.2	3556.9	4076.2	4065.3	2957.2
62.5°	1092.9	1097.3	1197.2	1329.8	1418.8	1642.6	2390.1	3615.5	4267.4	4260.9	3083.2
65°	834.4	825.7	932.1	1062.5	1195.0	1451.4	2235.8	3598.2	4371.7	4367.3	3144.0
67.5°	599.7	617.1	697.5	823.5	958.2	1247.2	2022.9	3428.7	4306.5	4310.8	3078.9
70°	434.6	462.8	519.3	614.9	754.0	1025.6	1766.5	3146.2	4084.9	4110.9	2894.2
72.5°	334.6	336.8	382.4	458.5	569.3	812.6	1462.3	2761.6	3682.9	3691.6	2574.8
75°	260.7	267.3	297.7	352.0	436.7	630.1	1186.3	2285.8	3087.5	3137.5	2183.7
77.5°	212.9	215.1	239.0	271.6	334.6	475.8	886.5	1803.4	2455.3	2459.6	1703.5
80°	167.3	176.0	195.6	217.3	260.7	356.3	651.8	1321.1	1805.6	1777.3	1205.9
82.5°	128.2	134.7	149.9	173.8	197.7	267.3	467.2	932.1	1240.7	1218.9	825.7
85°	95.6	99.9	115.2	134.7	156.4	204.2	325.9	601.9	769.2	745.3	501.9
87.5°	67.4	69.5	82.6	99.9	119.5	154.3	226.0	369.4	462.8	454.1	310.7
90°	45.6	47.8	58.7	73.9	93.4	119.5	163.0	230.3	269.4	269.4	197.7
92.5°	32.6	34.8	43.5	56.5	73.9	95.6	119.5	149.9	165.1	163.0	134.7
95°	26.1	26.1	34.8	45.6	60.8	78.2	91.3	102.1	110.8	110.8	102.1
97.5°	21.7	21.7	30.4	39.1	52.1	65.2	73.9	76.0	80.4	80.4	76.0
100°	19.6	19.6	26.1	34.8	43.5	54.3	60.8	58.7	60.8	63.0	58.7
102.5°	17.4	17.4	23.9	30.4	39.1	47.8	50.0	47.8	47.8	47.8	45.6
105°	15.2	15.2	21.7	28.2	34.8	41.3	43.5	39.1	36.9	36.9	36.9
107.5°	13.0	13.0	19.6	23.9	30.4	36.9	36.9	34.8	30.4	30.4	28.2
110°	13.0	13.0	17.4	21.7	28.2	32.6	32.6	28.2	23.9	23.9	23.9

REPORT NUMBER: P695854  
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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	10.9	10.9	15.2	21.7	26.1	28.2	28.2	23.9	21.7	19.6	19.6
115°	10.9	10.9	15.2	19.6	23.9	26.1	26.1	21.7	17.4	17.4	17.4
117.5°	10.9	10.9	13.0	17.4	21.7	23.9	21.7	19.6	15.2	15.2	15.2
120°	10.9	10.9	13.0	15.2	19.6	21.7	21.7	17.4	13.0	13.0	15.2
122.5°	10.9	10.9	13.0	15.2	17.4	19.6	19.6	15.2	13.0	13.0	13.0
125°	10.9	10.9	13.0	15.2	17.4	19.6	17.4	15.2	10.9	10.9	13.0
127.5°	10.9	10.9	13.0	13.0	15.2	17.4	15.2	13.0	10.9	10.9	13.0
130°	10.9	10.9	13.0	13.0	15.2	15.2	15.2	10.9	10.9	10.9	10.9
132.5°	13.0	13.0	13.0	13.0	13.0	15.2	13.0	10.9	8.7	8.7	10.9
135°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	10.9	8.7	8.7	10.9
137.5°	10.9	13.0	10.9	10.9	10.9	13.0	10.9	8.7	8.7	8.7	8.7
140°	10.9	10.9	10.9	10.9	10.9	10.9	8.7	6.5	8.7	8.7	8.7
142.5°	10.9	10.9	10.9	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7
145°	8.7	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	6.5
147.5°	8.7	8.7	8.7	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5
150°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3
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: P695854  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1	139.1
2.5°	141.2	139.1	136.9	134.7	130.4	128.2	128.2	126.0	126.0	126.0	126.0
5°	147.8	145.6	139.1	132.5	126.0	121.7	117.3	117.3	115.2	113.0	113.0
7.5°	163.0	156.4	145.6	134.7	128.2	119.5	115.2	110.8	108.6	108.6	108.6
10°	184.7	176.0	158.6	143.4	132.5	121.7	115.2	110.8	108.6	106.5	106.5
12.5°	215.1	204.2	178.2	158.6	139.1	128.2	119.5	115.2	113.0	113.0	113.0
15°	258.6	241.2	208.6	176.0	154.3	134.7	130.4	130.4	132.5	132.5	132.5
17.5°	315.1	289.0	239.0	197.7	169.5	152.1	145.6	147.8	152.1	152.1	152.1
20°	375.9	345.5	278.1	226.0	189.0	173.8	165.1	169.5	176.0	180.3	180.3
22.5°	460.6	417.2	325.9	256.4	212.9	193.4	189.0	193.4	204.2	208.6	208.6
25°	558.4	493.2	375.9	289.0	239.0	217.3	212.9	219.5	232.5	243.4	243.4
27.5°	660.5	578.0	430.2	321.6	262.9	236.8	234.7	245.5	262.9	273.8	275.9
30°	777.9	664.9	480.2	354.2	286.8	256.4	256.4	273.8	293.3	308.5	310.7
32.5°	893.0	756.1	523.6	382.4	308.5	273.8	275.9	297.7	323.7	336.8	341.1
35°	1010.4	834.4	562.8	406.3	323.7	289.0	293.3	321.6	347.6	362.9	362.9
37.5°	1123.3	906.1	582.3	419.3	336.8	299.8	308.5	341.1	367.2	380.2	382.4
40°	1232.0	960.4	595.3	428.0	345.5	310.7	319.4	354.2	382.4	395.4	395.4
42.5°	1327.6	1006.0	597.5	430.2	352.0	317.2	330.3	365.0	391.1	399.8	402.0
45°	1425.4	1045.1	586.7	425.9	356.3	323.7	334.6	371.5	395.4	402.0	404.1
47.5°	1514.4	1077.7	573.6	421.5	358.5	325.9	339.0	375.9	397.6	399.8	402.0
50°	1618.7	1103.8	554.1	415.0	360.7	328.1	341.1	375.9	397.6	397.6	397.6
52.5°	1718.7	1125.5	534.5	408.5	360.7	328.1	341.1	378.1	397.6	395.4	395.4
55°	1827.3	1145.1	515.0	404.1	358.5	328.1	341.1	378.1	395.4	393.3	395.4
57.5°	1912.1	1153.8	499.7	399.8	358.5	325.9	339.0	375.9	393.3	393.3	393.3
60°	1985.9	1151.6	480.2	395.4	356.3	323.7	339.0	373.7	393.3	393.3	393.3
62.5°	2029.4	1132.0	460.6	391.1	352.0	319.4	336.8	373.7	393.3	395.4	395.4
65°	2012.0	1097.3	434.6	380.2	343.3	315.1	334.6	369.4	391.1	397.6	399.8
67.5°	1938.1	1019.0	406.3	365.0	334.6	310.7	332.4	365.0	386.8	397.6	397.6
70°	1783.9	921.3	369.4	343.3	319.4	304.2	325.9	358.5	378.1	391.1	391.1
72.5°	1568.8	795.2	334.6	315.1	302.0	293.3	319.4	347.6	365.0	375.9	375.9
75°	1303.7	660.5	293.3	282.5	280.3	278.1	306.4	332.4	343.3	352.0	352.0
77.5°	1019.0	532.3	249.9	249.9	249.9	258.6	289.0	306.4	315.1	323.7	323.7
80°	745.3	406.3	210.8	212.9	219.5	236.8	262.9	275.9	280.3	289.0	284.6
82.5°	508.4	295.5	176.0	176.0	189.0	208.6	234.7	241.2	243.4	249.9	243.4
85°	334.6	212.9	145.6	145.6	158.6	178.2	197.7	202.1	202.1	206.4	199.9
87.5°	217.3	156.4	119.5	119.5	128.2	147.8	163.0	163.0	163.0	167.3	160.8
90°	154.3	119.5	99.9	97.8	104.3	119.5	130.4	128.2	128.2	130.4	126.0
92.5°	113.0	97.8	84.7	82.6	86.9	97.8	104.3	102.1	104.3	102.1	99.9
95°	89.1	80.4	73.9	71.7	73.9	80.4	84.7	82.6	82.6	80.4	78.2
97.5°	71.7	67.4	65.2	63.0	63.0	65.2	69.5	67.4	69.5	65.2	63.0
100°	58.7	56.5	56.5	56.5	54.3	56.5	58.7	58.7	58.7	54.3	54.3
102.5°	45.6	47.8	50.0	50.0	47.8	50.0	50.0	50.0	50.0	45.6	45.6
105°	36.9	39.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	39.1	39.1
107.5°	30.4	32.6	36.9	39.1	36.9	36.9	39.1	39.1	36.9	34.8	34.8
110°	26.1	28.2	30.4	32.6	32.6	32.6	34.8	34.8	32.6	30.4	28.2

REPORT NUMBER: P695854  
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T2R-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.7	23.9	28.2	28.2	30.4	30.4	30.4	30.4	28.2	26.1	26.1
115°	19.6	21.7	23.9	26.1	26.1	26.1	28.2	26.1	23.9	23.9	23.9
117.5°	17.4	19.6	21.7	23.9	23.9	23.9	23.9	23.9	21.7	21.7	21.7
120°	15.2	17.4	19.6	21.7	21.7	21.7	21.7	21.7	19.6	19.6	19.6
122.5°	15.2	15.2	17.4	19.6	19.6	19.6	19.6	19.6	17.4	17.4	17.4
125°	13.0	15.2	17.4	17.4	17.4	17.4	17.4	17.4	15.2	15.2	17.4
127.5°	13.0	13.0	15.2	15.2	17.4	17.4	15.2	15.2	15.2	15.2	15.2
130°	13.0	13.0	13.0	15.2	15.2	15.2	15.2	13.0	13.0	13.0	13.0
132.5°	10.9	13.0	13.0	13.0	13.0	13.0	13.0	10.9	10.9	13.0	13.0
135°	10.9	10.9	10.9	13.0	13.0	10.9	10.9	10.9	10.9	10.9	10.9
137.5°	10.9	10.9	10.9	10.9	10.9	10.9	8.7	8.7	8.7	10.9	10.9
140°	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
142.5°	8.7	8.7	8.7	8.7	8.7	6.5	6.5	6.5	8.7	8.7	8.7
145°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	4.3	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	4.3	4.3
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)