

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: P695762

Luminaire Tested: **LXF.LXT-PA16-60-827-U-T2R-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-60-827-U-T2R-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY  
OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4940 lumens  
Efficiency: N/A  
Efficacy: 79.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U3 - G2

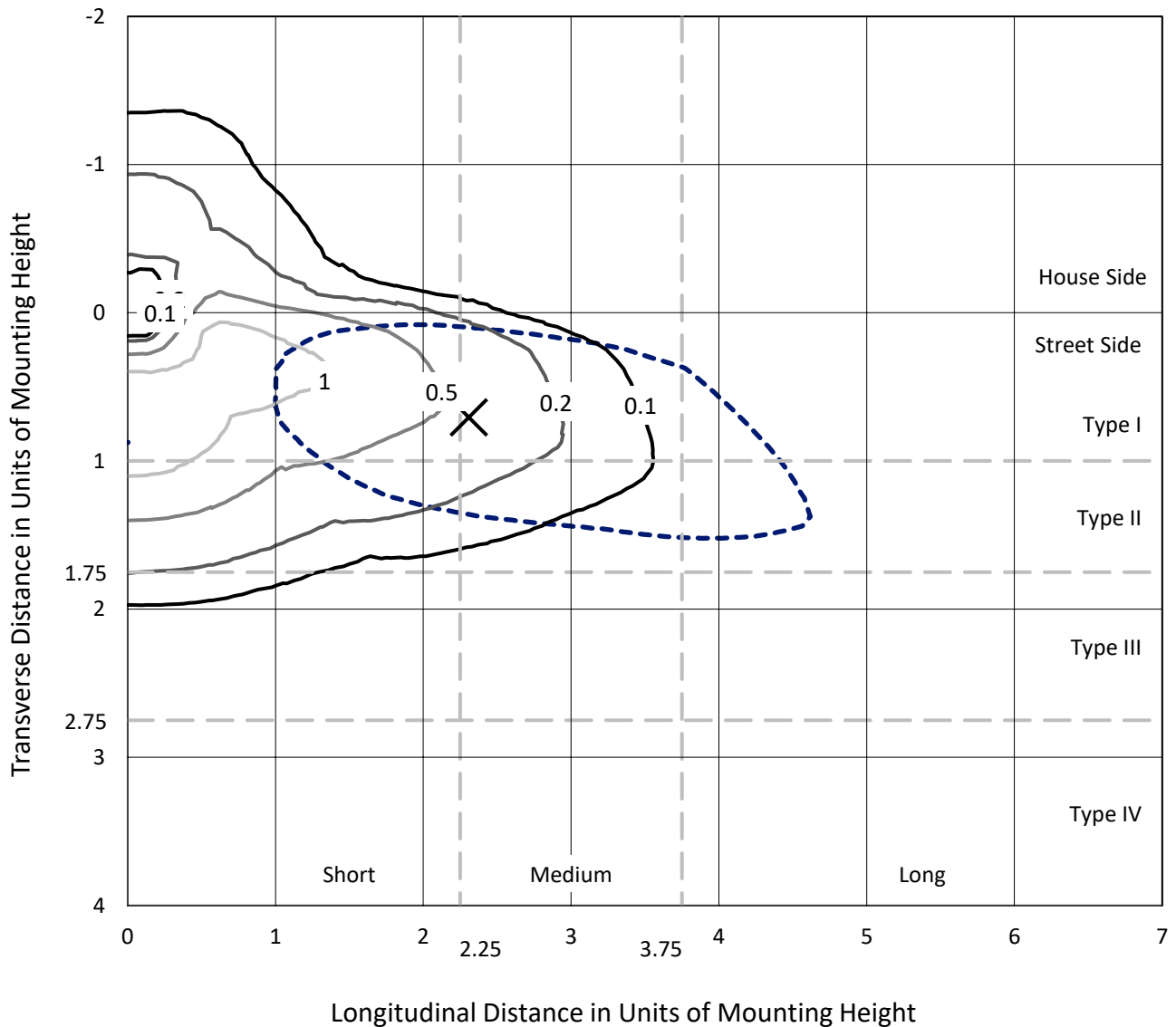
Input Watts (W): 62  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

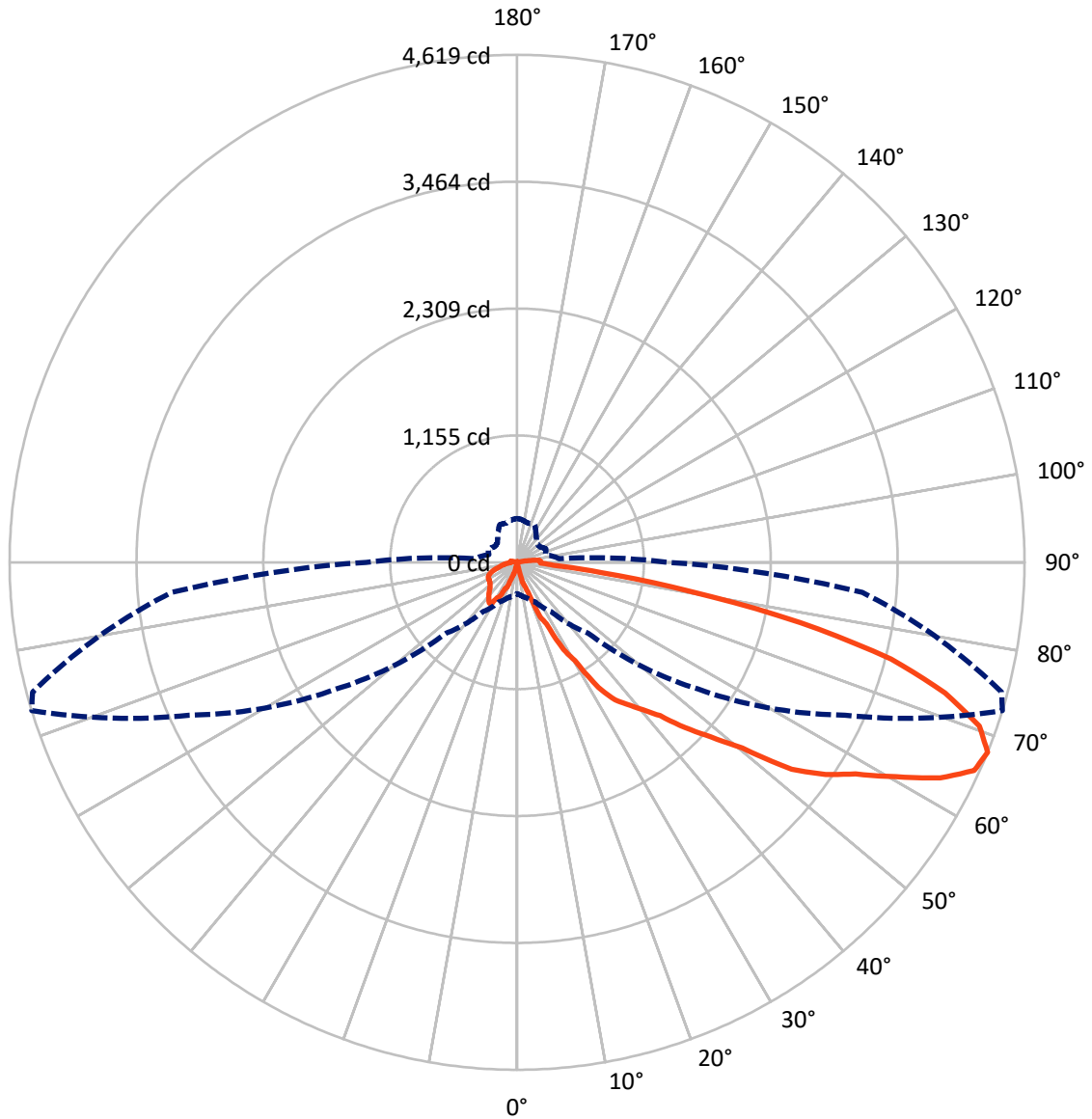
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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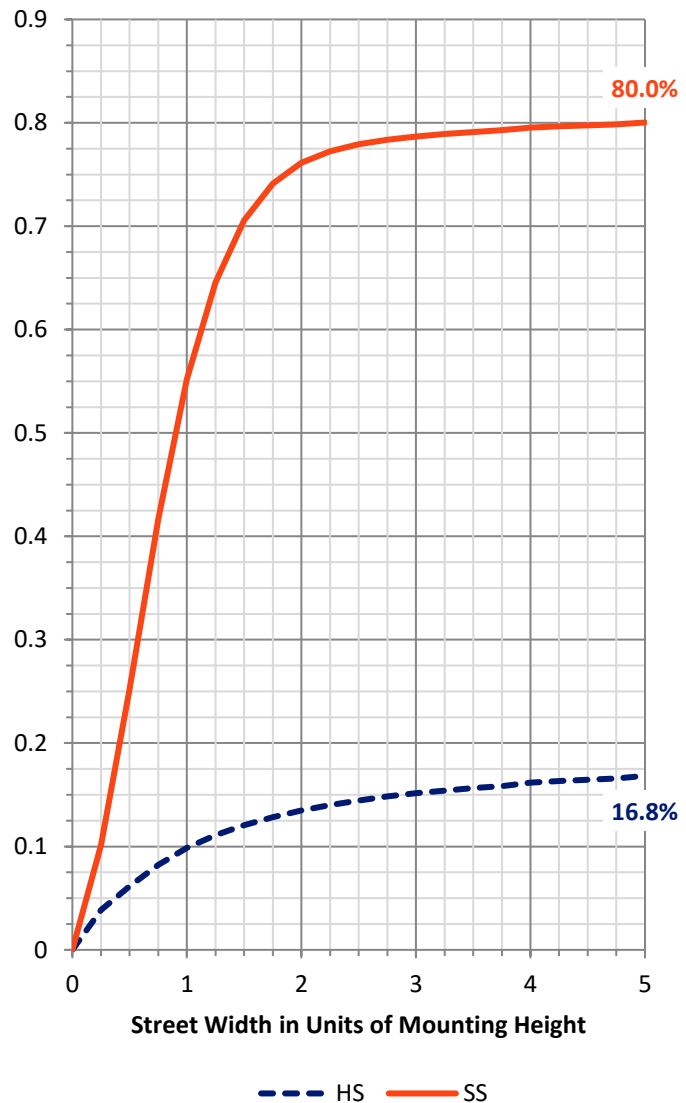
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	873.3	37.2	910.5
	% Fixture	17.7	0.8	18.4
<b>Street Side</b>	Lumens	3983.9	45.7	4029.6
	% Fixture	80.6	0.9	81.6
<b>Total</b>	Lumens	4857.2	82.9	4940.0
	% Fixture	98.3	1.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	40.0	0.8
20°-30°	247.3	5.0
30°-40°	622.0	12.6
40°-50°	898.2	18.2
50°-60°	1098.5	22.2
60°-70°	1083.0	21.9
70°-80°	681.4	13.8
80°-90°	186.3	3.8
90°-100°	54.2	1.1
100°-110°	11.6	0.2
110°-120°	6.0	0.1
120°-130°	4.9	0.1
130°-140°	3.5	0.1
140°-150°	2.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4857.2	98.3
0°-180°	4940.0	100.0

**Coefficient of Utilization**

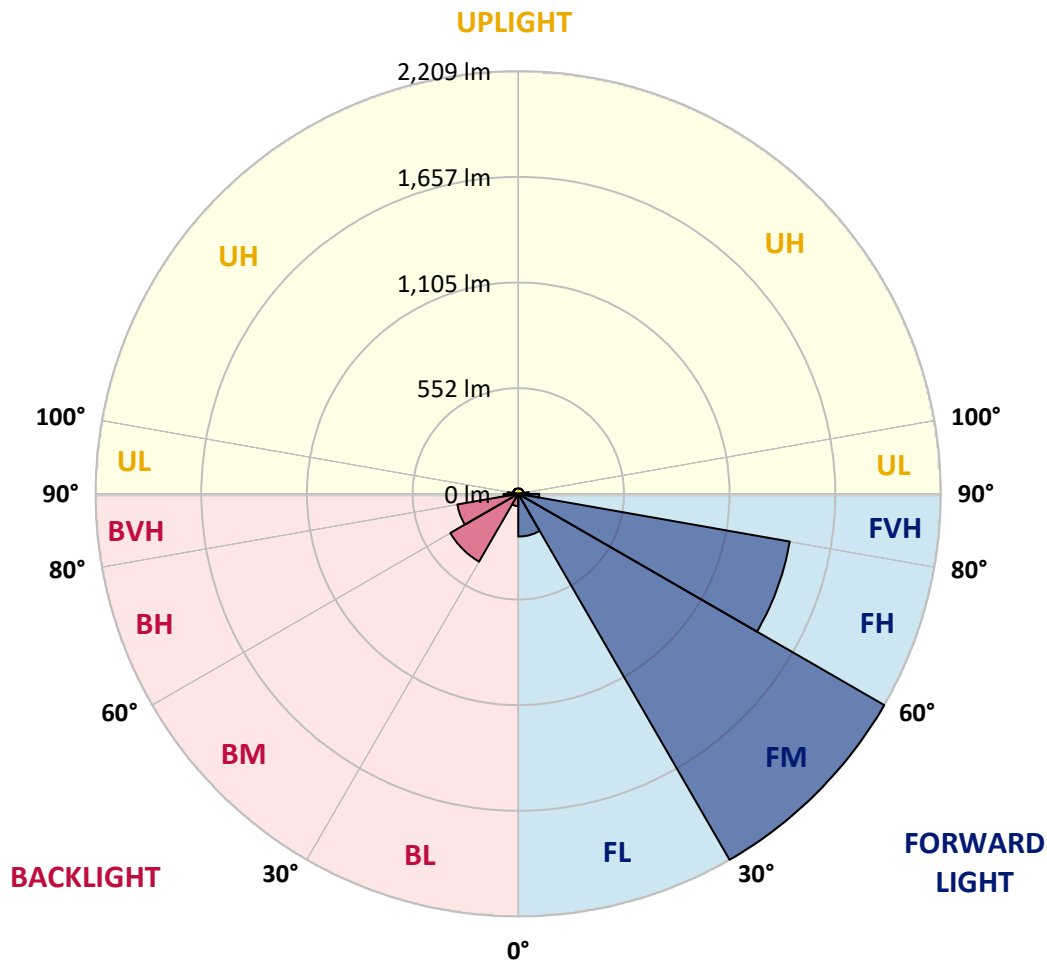


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.6	4.5			
FM (30°-60°)	2209.2	44.7			
FH (60°-80°)	1441.4	29.2			G1/1800
FVH (80°-90°)	109.8	2.2			G2/225
BL (0°-30°)	64.1	1.3	B0/110		
BM (30°-60°)	409.6	8.3	B1/1000		
BH (60°-80°)	323.0	6.5	B1/500		G1/500
BVH (80°-90°)	76.5	1.5			G1/100
UL (90°-100°)	54.2	1.1		U3/500	
UH (100°-180°)	28.7	0.6		U2/50	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5
5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5
7.5°	7.0	8.8	7.0	7.0	7.0	7.0	7.0	5.3	3.5	3.5	3.5
10°	29.8	28.1	19.3	17.5	10.5	8.8	7.0	5.3	5.3	5.3	5.3
12.5°	235.1	233.3	228.0	205.2	35.1	17.5	10.5	14.0	19.3	22.8	26.3
15°	270.1	273.7	268.4	263.1	254.4	84.2	36.8	203.5	189.5	182.4	140.3
17.5°	487.7	364.9	321.0	314.0	294.7	247.3	224.5	249.1	226.3	219.3	170.2
20°	670.1	666.6	654.3	631.5	354.3	450.8	431.5	293.0	296.5	314.0	335.1
22.5°	749.0	745.5	729.7	705.2	736.8	519.2	489.4	543.8	538.5	522.8	405.2
25°	1227.9	1212.2	1126.2	821.0	822.7	724.5	750.8	699.9	617.5	601.7	471.9
27.5°	1331.4	1340.2	1319.2	1198.1	942.0	964.8	824.5	805.2	898.2	924.5	714.0
30°	1780.5	1822.6	1620.9	1366.5	1235.0	1054.3	1010.4	1105.1	1038.5	1008.7	780.6
32.5°	2080.5	2061.2	2022.6	1705.1	1401.6	1263.0	1261.3	1219.2	1359.5	1356.0	1096.4
35°	2199.8	2184.0	2145.4	1868.2	1612.1	1482.3	1371.8	1515.6	1538.4	1480.5	1170.1
37.5°	2289.2	2271.7	2226.1	1927.9	1780.5	1571.8	1617.4	1624.4	1645.4	1633.2	1235.0
40°	2294.5	2284.0	2252.4	2012.1	1873.5	1641.9	1752.4	1768.2	1763.0	1794.5	1317.4
42.5°	2275.2	2254.2	2234.9	2027.9	1922.6	1696.3	1855.9	1947.2	1908.6	1954.2	1413.9
45°	2199.8	2175.2	2166.4	2027.9	1915.6	1733.2	1977.0	2115.6	2145.4	2105.0	1519.1
47.5°	2071.7	2066.5	2070.0	1980.5	1908.6	1775.3	2092.8	2243.6	2373.4	2310.3	1673.5
50°	1941.9	1950.7	1975.2	1926.1	1887.5	1799.8	2240.1	2464.7	2655.9	2569.9	1905.1
52.5°	1736.7	1748.9	1819.1	1838.4	1827.9	1798.1	2354.1	2762.9	3129.5	3010.2	2145.4
55°	1549.0	1556.0	1603.3	1673.5	1713.9	1761.2	2399.7	2894.4	3408.4	3273.3	2301.5
57.5°	1334.9	1320.9	1382.3	1484.1	1575.3	1710.3	2447.1	2997.9	3633.0	3559.3	2505.0
60°	1080.6	1050.8	1140.2	1235.0	1373.5	1605.1	2476.9	3176.9	3962.7	3920.6	2801.5
62.5°	728.0	742.0	831.5	959.5	1152.5	1427.9	2443.6	3340.0	4320.6	4296.0	3048.8
65°	457.8	477.1	535.0	645.5	842.0	1201.6	2303.3	3417.2	4569.7	4527.6	3190.9
67.5°	285.9	298.2	335.1	401.7	552.6	910.4	2012.1	3292.6	4618.8	4564.4	3155.8
70°	236.8	240.3	245.6	261.4	340.3	629.8	1599.8	2969.9	4462.7	4471.5	3010.2
72.5°	212.3	215.8	215.8	214.0	219.3	394.7	1140.2	2519.0	4073.3	4073.3	2720.8
75°	194.7	196.5	191.2	189.5	185.9	245.6	696.4	1996.3	3517.2	3450.5	2273.4
77.5°	171.9	175.4	170.2	170.2	168.4	187.7	403.5	1522.6	2634.8	2522.5	1533.2
80°	147.4	147.4	147.4	147.4	149.1	149.1	252.6	1045.5	1587.6	1463.0	828.0
82.5°	117.5	115.8	119.3	126.3	122.8	114.0	194.7	608.7	770.1	698.2	408.7
85°	45.6	56.1	64.9	78.9	82.4	78.9	149.1	300.0	328.0	350.8	252.6
87.5°	26.3	26.3	21.1	21.1	22.8	31.6	93.0	180.7	212.3	238.6	222.8
90°	28.1	28.1	21.1	19.3	19.3	26.3	80.7	164.9	215.8	240.3	226.3
92.5°	29.8	29.8	21.1	19.3	19.3	21.1	66.7	147.4	214.0	245.6	221.0
95°	26.3	28.1	19.3	17.5	19.3	19.3	49.1	117.5	198.2	201.7	207.0
97.5°	17.5	19.3	12.3	14.0	17.5	15.8	26.3	68.4	105.3	80.7	96.5
100°	10.5	12.3	8.8	10.5	12.3	12.3	14.0	29.8	26.3	17.5	17.5
102.5°	10.5	10.5	7.0	8.8	8.8	7.0	7.0	12.3	10.5	10.5	17.5
105°	10.5	10.5	7.0	7.0	5.3	5.3	5.3	8.8	8.8	10.5	17.5
107.5°	7.0	8.8	5.3	5.3	5.3	5.3	3.5	5.3	8.8	8.8	19.3
110°	5.3	5.3	3.5	3.5	3.5	5.3	3.5	5.3	7.0	8.8	14.0

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	3.5	5.3	3.5	3.5	3.5	3.5	3.5	5.3	7.0	7.0	8.8
115°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	7.0	10.5
117.5°	5.3	5.3	3.5	3.5	1.8	3.5	3.5	3.5	5.3	7.0	10.5
120°	5.3	5.3	3.5	3.5	1.8	1.8	3.5	3.5	7.0	7.0	10.5
122.5°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	5.3	7.0	10.5
125°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	5.3	7.0	8.8
127.5°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	5.3	5.3	8.8
130°	5.3	5.3	3.5	1.8	1.8	1.8	3.5	3.5	5.3	5.3	8.8
132.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	7.0
135°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3
137.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
140°	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
142.5°	5.3	5.3	5.3	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5
145°	7.0	7.0	7.0	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	7.0	7.0	7.0	5.3	5.3	3.5	3.5	3.5	3.5	3.5	3.5
150°	7.0	8.8	7.0	5.3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
2.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5
7.5°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	3.5	3.5	3.5
10°	5.3	3.5	3.5	1.8	1.8	1.8	1.8	1.8	3.5	3.5	1.8
12.5°	26.3	26.3	19.3	8.8	3.5	1.8	1.8	1.8	5.3	5.3	5.3
15°	128.1	115.8	103.5	91.2	24.6	3.5	3.5	15.8	59.6	84.2	87.7
17.5°	149.1	135.1	121.0	110.5	98.2	36.8	40.3	105.3	108.8	110.5	108.8
20°	287.7	256.1	166.6	126.3	108.8	114.0	100.0	112.3	121.0	124.5	124.5
22.5°	342.1	294.7	252.6	221.0	129.8	156.1	145.6	129.8	201.7	207.0	208.8
25°	396.4	335.1	271.9	235.1	226.3	161.4	171.9	198.2	214.0	217.5	215.8
27.5°	578.9	477.1	380.7	254.4	240.3	201.7	215.8	208.8	228.0	278.9	284.2
30°	622.7	496.4	387.7	308.7	252.6	236.8	222.8	271.9	294.7	294.7	296.5
32.5°	863.1	663.1	477.1	308.7	278.9	238.6	266.6	284.2	298.2	319.3	312.2
35°	903.4	670.1	471.9	357.9	278.9	250.9	275.4	293.0	357.9	364.9	363.1
37.5°	936.7	663.1	445.6	347.3	301.7	266.6	280.7	335.1	361.4	359.6	356.1
40°	973.6	652.6	419.3	340.3	300.0	268.4	300.0	336.8	352.6	343.8	335.1
42.5°	1015.7	636.8	396.4	324.5	293.0	270.1	301.7	328.0	326.3	321.0	315.8
45°	1070.1	619.2	370.1	310.5	289.4	266.6	296.5	305.2	317.5	314.0	310.5
47.5°	1150.8	601.7	347.3	298.2	285.9	261.4	300.0	310.5	321.0	312.2	310.5
50°	1270.0	577.1	328.0	294.7	284.2	277.2	275.4	319.3	328.0	307.0	303.5
52.5°	1350.7	549.1	317.5	291.2	278.9	270.1	293.0	315.8	324.5	300.0	298.2
55°	1405.1	508.7	308.7	291.2	275.4	254.4	317.5	322.8	322.8	294.7	291.2
57.5°	1464.8	480.7	303.5	296.5	273.7	236.8	331.5	329.8	322.8	285.9	287.7
60°	1550.7	463.1	298.2	301.7	273.7	242.1	326.3	345.6	322.8	291.2	301.7
62.5°	1599.8	445.6	294.7	303.5	270.1	242.1	315.8	368.4	349.1	326.3	328.0
65°	1531.4	422.8	284.2	301.7	264.9	247.3	305.2	377.2	373.6	363.1	364.9
67.5°	1375.3	384.2	264.9	289.4	247.3	250.9	300.0	377.2	370.1	392.9	398.2
70°	1201.6	338.6	236.8	268.4	235.1	247.3	312.2	364.9	364.9	407.0	415.7
72.5°	1017.4	277.2	205.2	245.6	235.1	240.3	326.3	350.8	350.8	407.0	405.2
75°	835.0	221.0	171.9	210.5	217.5	240.3	324.5	335.1	326.3	371.9	363.1
77.5°	610.5	175.4	147.4	177.2	196.5	240.3	314.0	312.2	298.2	319.3	315.8
80°	375.4	138.6	124.5	150.9	164.9	229.8	296.5	284.2	259.6	270.1	266.6
82.5°	217.5	103.5	105.3	128.1	131.6	210.5	268.4	247.3	221.0	226.3	221.0
85°	140.3	66.7	82.4	98.2	103.5	171.9	229.8	208.8	178.9	231.6	221.0
87.5°	108.8	38.6	56.1	64.9	63.2	75.4	131.6	124.5	122.8	100.0	96.5
90°	101.7	33.3	56.1	56.1	45.6	36.8	50.9	52.6	43.9	47.4	42.1
92.5°	91.2	33.3	59.6	56.1	40.3	29.8	42.1	42.1	33.3	31.6	29.8
95°	75.4	29.8	63.2	57.9	36.8	26.3	35.1	33.3	26.3	24.6	22.8
97.5°	40.3	19.3	59.6	52.6	33.3	24.6	31.6	28.1	19.3	17.5	15.8
100°	14.0	12.3	57.9	45.6	28.1	19.3	22.8	21.1	12.3	10.5	8.8
102.5°	12.3	10.5	33.3	33.3	17.5	10.5	14.0	14.0	10.5	8.8	8.8
105°	14.0	10.5	12.3	17.5	8.8	5.3	7.0	8.8	8.8	10.5	10.5
107.5°	14.0	10.5	8.8	8.8	7.0	5.3	5.3	5.3	8.8	10.5	10.5
110°	12.3	10.5	7.0	8.8	7.0	5.3	5.3	5.3	8.8	12.3	12.3

REPORT NUMBER: P695762  
 CATALOG NUMBER: LXF.LXT-PA16-60-827-U-T2R-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	8.8	7.0	7.0	5.3	5.3	5.3	5.3	8.8	12.3	14.0
115°	8.8	8.8	5.3	5.3	5.3	5.3	3.5	5.3	8.8	14.0	15.8
117.5°	10.5	8.8	5.3	5.3	3.5	3.5	3.5	5.3	10.5	15.8	17.5
120°	10.5	8.8	5.3	5.3	3.5	3.5	3.5	5.3	10.5	17.5	17.5
122.5°	10.5	8.8	5.3	5.3	3.5	3.5	3.5	5.3	10.5	17.5	17.5
125°	8.8	8.8	5.3	5.3	3.5	3.5	3.5	5.3	10.5	17.5	17.5
127.5°	8.8	7.0	5.3	3.5	3.5	3.5	3.5	5.3	10.5	15.8	17.5
130°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	5.3	10.5	15.8	15.8
132.5°	7.0	7.0	5.3	3.5	3.5	3.5	3.5	5.3	8.8	14.0	14.0
135°	5.3	5.3	3.5	3.5	3.5	3.5	3.5	5.3	7.0	10.5	10.5
137.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	7.0	7.0
140°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	5.3	5.3	5.3
142.5°	3.5	3.5	3.5	3.5	3.5	1.8	3.5	3.5	5.3	5.3	5.3
145°	3.5	3.5	3.5	3.5	1.8	1.8	3.5	3.5	5.3	5.3	3.5
147.5°	3.5	3.5	3.5	3.5	1.8	1.8	1.8	3.5	5.3	5.3	3.5
150°	3.5	3.5	3.5	1.8	1.8	1.8	1.8	3.5	5.3	5.3	3.5
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)