

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: P694957

Luminaire Tested: **LXF.LXT-PA16-30-827-U-T2U-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694957  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-30-827-U-T2U-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2882.1 lumens  
Efficiency: N/A  
Efficacy: 98.7 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 - U2 - G1

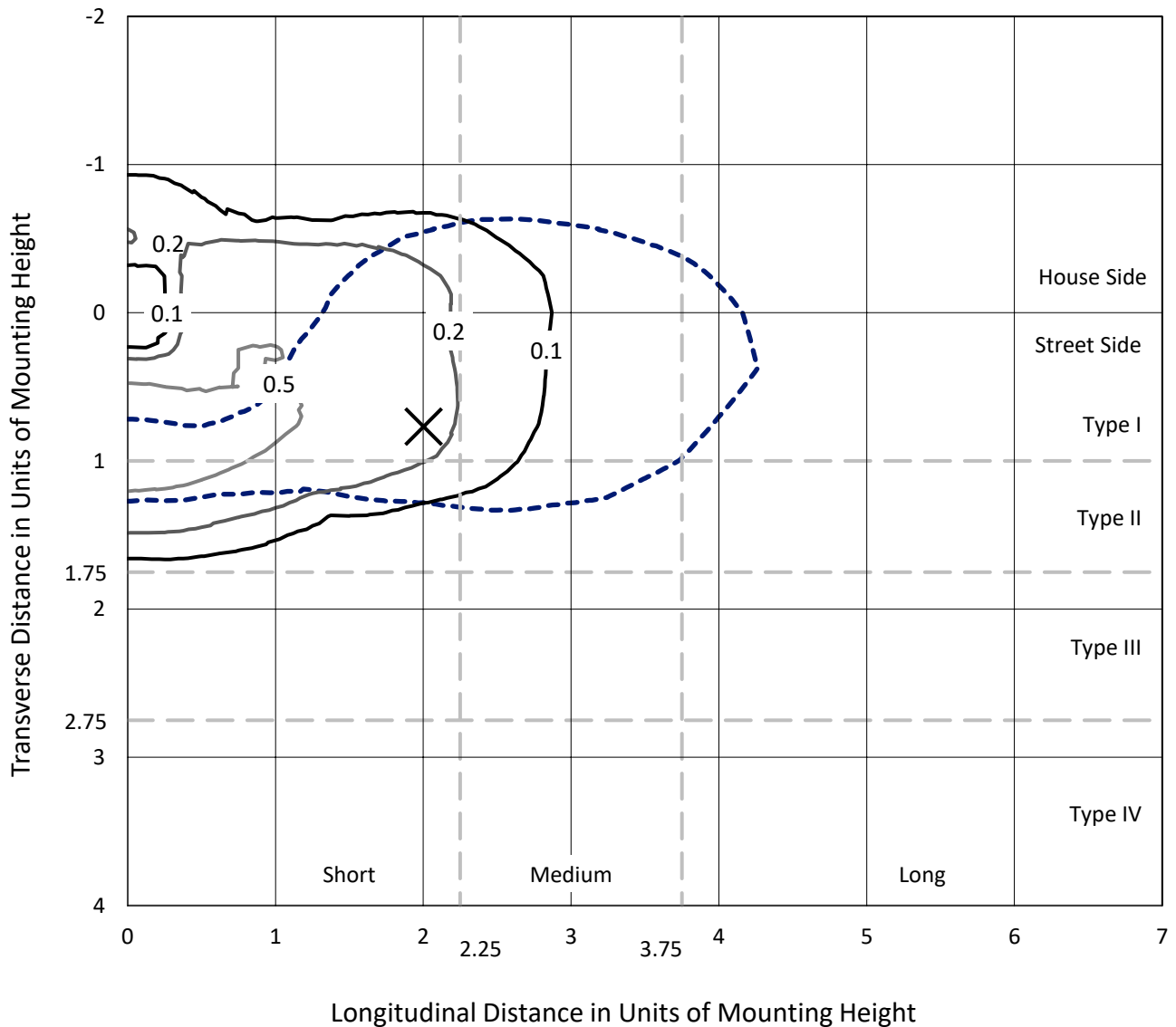
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

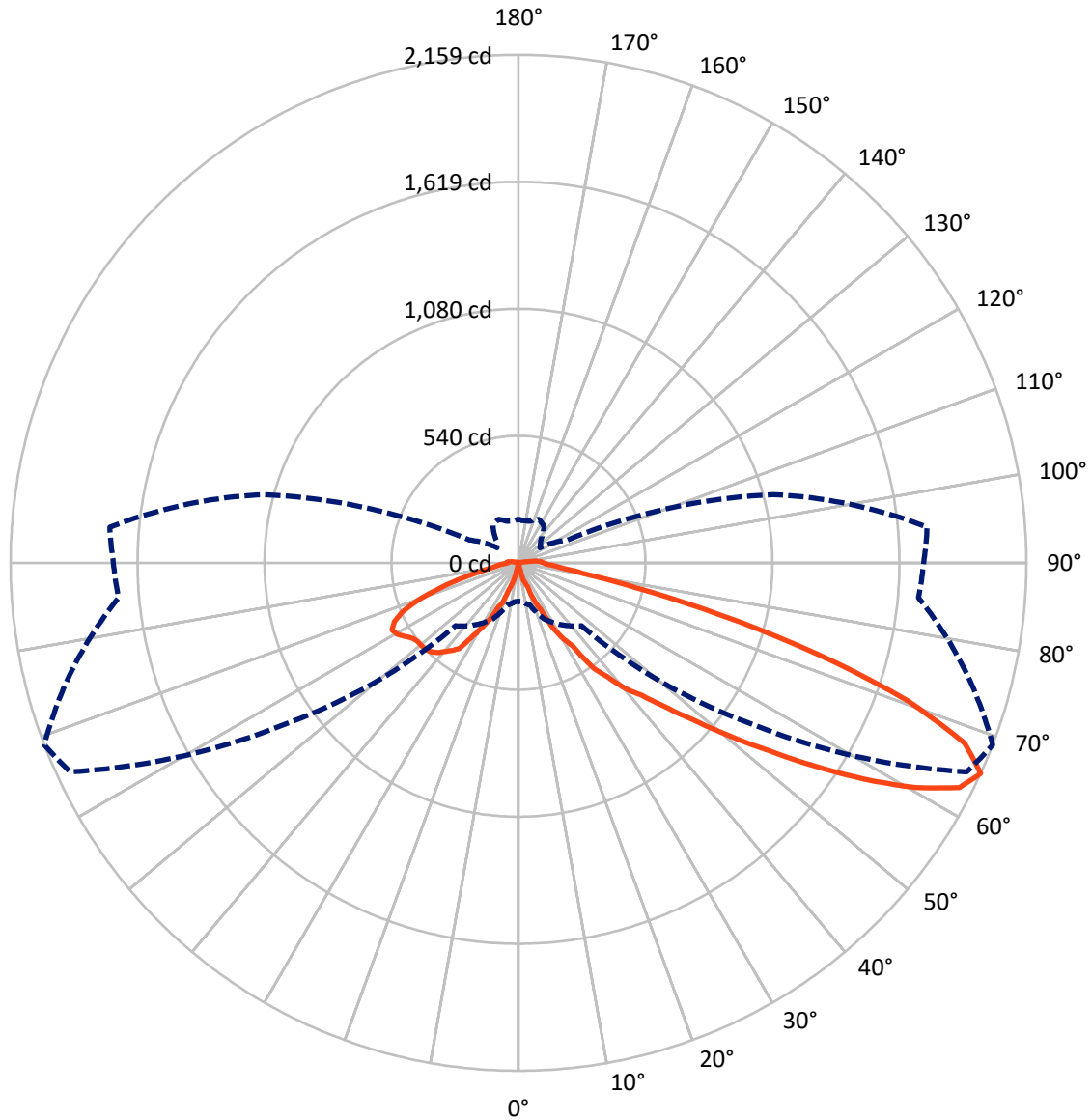
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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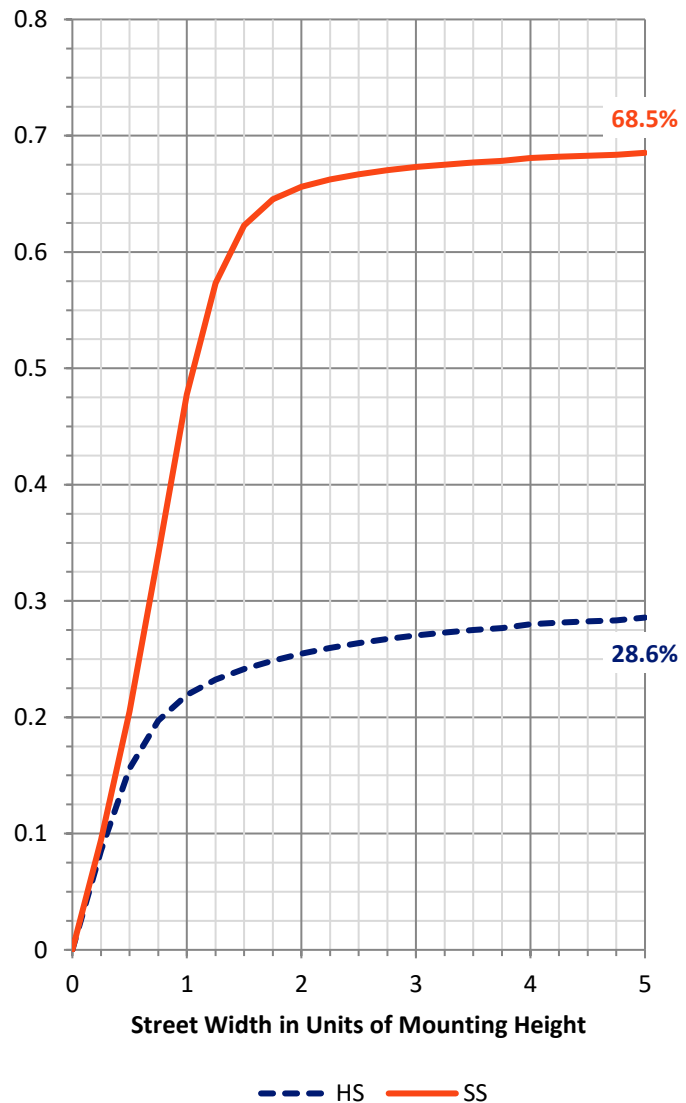
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	844.9	24.8	869.7
	% Fixture	29.3	0.9	30.2
<b>Street Side</b>	Lumens	1991.0	21.5	2012.4
	% Fixture	69.1	0.7	69.8
<b>Total</b>	Lumens	2835.9	46.2	2882.1
	% Fixture	98.4	1.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	17.4	0.6
20°-30°	111.0	3.9
30°-40°	304.5	10.6
40°-50°	543.0	18.8
50°-60°	704.8	24.5
60°-70°	673.9	23.4
70°-80°	388.4	13.5
80°-90°	92.6	3.2
90°-100°	32.7	1.1
100°-110°	5.9	0.2
110°-120°	2.8	0.1
120°-130°	2.3	0.1
130°-140°	1.4	0.0
140°-150°	0.9	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2835.9	98.4
0°-180°	2882.1	100.0

**Coefficient of Utilization**

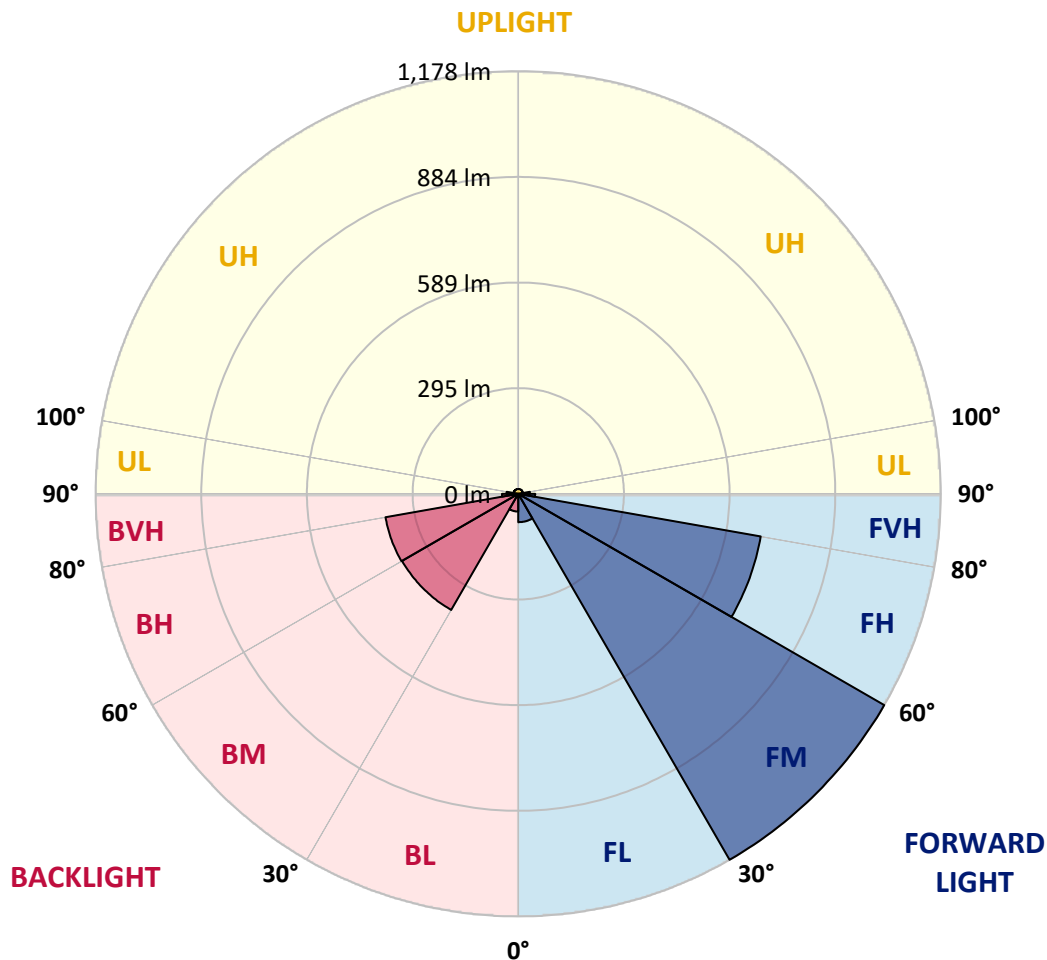


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.1	2.7			
FM (30°-60°)	1178.3	40.9			
FH (60°-80°)	686.4	23.8			G1/1800
FVH (80°-90°)	47.2	1.6			G1/100
BL (0°-30°)	49.5	1.7	B0/110		
BM (30°-60°)	374.0	13.0	B1/1000		
BH (60°-80°)	375.9	13.0	B1/500		G1/500
BVH (80°-90°)	45.5	1.6			G1/100
UL (90°-100°)	32.7	1.1		U2/50	
UH (100°-180°)	13.5	0.5		U2/50	

**BUG Rating: B1-U2-G1**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0
5°	2.0	2.0	2.0	2.9	2.0	2.0	2.0	2.0	2.0	1.0	1.0
7.5°	3.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	1.0	1.0
10°	16.6	13.7	10.7	7.8	4.9	2.9	2.9	2.0	2.0	2.0	2.0
12.5°	72.2	69.2	68.3	64.4	21.5	7.8	4.9	7.8	9.8	13.7	16.6
15°	84.8	83.9	81.9	76.1	72.2	53.6	17.6	66.3	72.2	76.1	77.0
17.5°	155.1	141.4	109.2	94.6	83.9	77.0	73.1	84.8	86.8	88.7	91.7
20°	209.7	209.7	200.9	176.5	107.3	127.8	125.8	101.4	106.3	131.7	165.8
22.5°	262.3	259.4	242.8	224.3	220.4	153.1	146.3	177.5	180.4	197.0	197.0
25°	432.0	432.0	383.3	282.8	264.3	222.4	225.3	227.2	220.4	224.3	234.1
27.5°	513.0	506.1	487.6	431.0	327.7	309.1	267.2	266.2	316.9	327.7	334.5
30°	733.4	730.4	626.1	508.1	442.8	357.9	364.7	372.5	372.5	373.5	362.8
32.5°	886.5	890.4	836.7	675.8	519.8	439.8	441.8	412.5	422.3	489.6	494.4
35°	1035.7	1043.5	969.4	822.1	671.0	545.1	494.4	530.5	551.0	550.0	537.3
37.5°	1186.8	1181.0	1115.7	949.9	786.0	627.1	602.7	624.1	614.4	627.1	587.1
40°	1293.1	1292.2	1233.7	1084.4	903.1	740.2	679.7	699.2	706.1	701.2	649.5
42.5°	1366.3	1359.5	1335.1	1222.9	1056.2	890.4	781.2	794.8	771.4	789.9	724.6
45°	1396.5	1387.7	1383.8	1299.0	1188.8	1119.6	925.5	898.2	871.8	908.9	812.4
47.5°	1355.6	1343.9	1366.3	1340.0	1293.1	1280.5	1094.2	999.6	995.7	1024.0	921.6
50°	1222.9	1202.4	1262.9	1309.7	1342.9	1391.6	1283.4	1161.5	1148.8	1150.8	1024.0
52.5°	1012.3	1013.3	1085.4	1170.3	1323.4	1411.1	1464.8	1365.3	1321.4	1300.0	1127.4
55°	808.5	815.3	869.9	945.0	1162.5	1391.6	1603.3	1595.5	1521.3	1444.3	1237.6
57.5°	581.2	595.9	679.7	731.4	941.1	1255.1	1672.5	1800.3	1735.9	1593.5	1355.6
60°	332.6	350.1	441.8	558.8	720.7	1000.6	1638.4	2010.9	1940.7	1750.5	1473.6
62.5°	211.6	216.5	256.5	379.4	471.0	658.3	1494.0	2138.7	2103.6	1894.9	1601.3
65°	163.8	165.8	185.3	265.3	321.8	378.4	1175.1	2102.6	2159.1	1994.3	1706.6
67.5°	150.2	150.2	156.0	190.2	243.8	238.9	759.7	1883.2	2045.0	2008.0	1741.7
70°	140.4	142.4	149.2	154.1	192.1	180.4	408.6	1490.1	1755.4	1874.4	1730.0
72.5°	122.9	124.8	133.6	146.3	149.2	146.3	228.2	990.8	1334.1	1574.0	1635.4
75°	104.3	105.3	111.2	131.7	130.7	118.0	189.2	592.0	883.6	1154.7	1386.8
77.5°	85.8	88.7	95.6	106.3	119.0	93.6	168.7	348.2	504.2	726.5	961.6
80°	63.4	65.3	72.2	87.8	95.6	80.9	139.5	226.3	282.8	376.4	463.2
82.5°	45.8	46.8	52.7	63.4	68.3	69.2	109.2	182.4	194.1	207.7	208.7
85°	28.3	27.3	28.3	33.2	41.9	44.9	79.0	145.3	146.3	141.4	139.5
87.5°	12.7	12.7	9.8	11.7	13.7	13.7	41.0	115.1	115.1	109.2	113.1
90°	13.7	13.7	9.8	9.8	10.7	9.8	23.4	97.5	103.4	103.4	114.1
92.5°	14.6	13.7	10.7	9.8	9.8	8.8	14.6	78.0	93.6	103.4	118.0
95°	13.7	13.7	9.8	8.8	8.8	7.8	11.7	53.6	75.1	83.9	100.4
97.5°	9.8	9.8	6.8	6.8	7.8	6.8	8.8	22.4	29.3	38.0	50.7
100°	6.8	6.8	4.9	4.9	4.9	4.9	5.9	9.8	11.7	9.8	11.7
102.5°	5.9	6.8	3.9	3.9	3.9	2.9	3.9	4.9	5.9	6.8	8.8
105°	5.9	5.9	2.9	2.9	2.9	2.9	2.0	3.9	3.9	4.9	8.8
107.5°	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.9	3.9	4.9	8.8
110°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.9	3.9	3.9	6.8

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
112.5°	2.0	2.0	2.0	1.0	1.0	2.0	2.0	2.9	2.9	2.9	4.9
115°	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9	4.9
117.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
120°	2.9	2.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
122.5°	2.9	2.9	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	4.9
125°	2.9	2.9	2.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	3.9
127.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.9
130°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.9
132.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9
135°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
137.5°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
140°	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	2.0	2.9	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.9	2.9	2.9	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
7.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
10°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12.5°	15.6	14.6	12.7	6.8	2.9	2.0	2.0	2.0	2.9	3.9	3.9
15°	79.0	80.0	78.0	70.2	17.6	4.9	2.9	8.8	33.2	57.5	40.0
17.5°	91.7	92.6	90.7	88.7	80.9	36.1	23.4	77.0	80.0	85.8	83.9
20°	168.7	166.8	139.5	103.4	93.6	86.8	73.1	88.7	93.6	95.6	95.6
22.5°	196.0	195.0	191.1	180.4	111.2	129.7	116.1	97.5	159.9	167.7	166.8
25°	227.2	221.4	210.6	200.9	192.1	142.4	143.4	155.1	163.8	164.8	164.8
27.5°	325.7	317.9	300.4	249.7	225.3	177.5	179.4	159.0	159.9	192.1	198.0
30°	354.0	341.3	322.8	313.0	259.4	208.7	171.6	182.4	188.2	187.2	189.2
32.5°	472.0	453.5	389.1	350.1	285.7	201.9	179.4	176.5	176.5	192.1	194.1
35°	509.1	481.8	446.7	436.9	290.6	198.0	169.7	172.6	195.0	198.0	197.0
37.5°	553.0	514.9	479.8	456.4	304.3	183.3	160.9	173.6	180.4	180.4	179.4
40°	601.7	563.7	527.6	462.3	289.6	168.7	161.9	164.8	169.7	166.8	165.8
42.5°	672.9	622.2	590.0	462.3	252.6	159.9	158.0	158.0	161.9	159.0	158.0
45°	759.7	701.2	642.7	455.4	214.5	155.1	156.0	155.1	159.0	155.1	154.1
47.5°	851.4	790.9	690.5	438.8	185.3	151.2	159.0	154.1	155.1	149.2	148.2
50°	955.7	890.4	740.2	409.6	168.7	151.2	158.0	155.1	152.1	146.3	145.3
52.5°	1061.0	994.7	798.7	373.5	157.0	148.2	159.0	158.0	154.1	145.3	145.3
55°	1169.3	1123.5	866.0	342.3	144.3	147.3	163.8	163.8	156.0	144.3	143.4
57.5°	1285.3	1254.1	940.1	330.6	132.6	141.4	171.6	173.6	159.0	143.4	143.4
60°	1420.9	1433.6	1019.1	316.9	124.8	136.5	175.5	182.4	162.9	143.4	143.4
62.5°	1589.6	1625.7	1093.2	285.7	118.0	129.7	179.4	192.1	174.6	159.9	160.9
65°	1722.2	1743.7	1119.6	229.2	111.2	132.6	189.2	203.8	182.4	180.4	185.3
67.5°	1795.4	1785.6	1079.6	174.6	103.4	130.7	186.3	211.6	191.1	196.0	198.9
70°	1793.4	1722.2	946.9	134.6	96.5	128.7	189.2	208.7	196.0	209.7	218.4
72.5°	1668.6	1506.7	717.8	117.0	96.5	126.8	184.3	200.9	197.0	210.6	217.5
75°	1340.9	1144.9	492.5	102.4	91.7	120.9	175.5	187.2	179.4	191.1	195.0
77.5°	888.4	752.9	275.0	92.6	90.7	111.2	159.9	165.8	157.0	164.8	167.7
80°	416.4	347.2	153.1	85.8	87.8	98.5	131.7	140.4	126.8	134.6	134.6
82.5°	191.1	176.5	116.1	78.0	79.0	75.1	102.4	116.1	103.4	107.3	103.4
85°	128.7	129.7	92.6	66.3	64.4	53.6	80.9	89.7	78.0	80.9	68.3
87.5°	112.2	115.1	74.1	42.9	37.1	33.2	52.7	54.6	40.0	33.2	32.2
90°	115.1	116.1	68.3	32.2	22.4	17.6	28.3	27.3	17.6	15.6	15.6
92.5°	119.0	119.0	69.2	34.1	22.4	16.6	25.4	20.5	15.6	13.7	13.7
95°	108.2	102.4	60.5	34.1	21.5	14.6	20.5	17.6	13.7	13.7	12.7
97.5°	66.3	60.5	44.9	34.1	17.6	12.7	15.6	13.7	9.8	8.8	8.8
100°	18.5	15.6	28.3	27.3	12.7	8.8	10.7	8.8	5.9	4.9	3.9
102.5°	8.8	8.8	14.6	17.6	6.8	4.9	5.9	5.9	4.9	4.9	3.9
105°	8.8	8.8	6.8	7.8	3.9	2.9	2.9	3.9	3.9	4.9	4.9
107.5°	8.8	9.8	5.9	3.9	3.9	2.9	2.0	2.9	3.9	4.9	5.9
110°	7.8	7.8	4.9	3.9	2.9	2.9	2.0	2.9	3.9	5.9	5.9

REPORT NUMBER: P694957  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2U-CL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.9	3.9	3.9	2.9	2.9	2.0	2.0	3.9	5.9	6.8
115°	4.9	4.9	3.9	2.9	2.0	2.0	2.0	2.0	3.9	6.8	7.8
117.5°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	7.8	7.8
120°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	4.9	7.8	8.8
122.5°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	4.9	7.8	8.8
125°	4.9	4.9	2.9	2.0	2.0	2.0	2.0	2.9	4.9	7.8	7.8
127.5°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	6.8	7.8
130°	3.9	3.9	2.9	2.0	2.0	2.0	2.0	2.0	3.9	6.8	6.8
132.5°	2.9	2.9	2.0	2.0	2.0	1.0	2.0	2.0	3.9	5.9	5.9
135°	2.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.9	3.9	4.9
137.5°	2.0	2.0	1.0	1.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9
140°	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9
142.5°	1.0	1.0	1.0	1.0	2.0	1.0	2.0	2.0	2.0	2.9	2.9
145°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.9	2.9	2.9
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.9	2.9
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)