

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: P694956

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

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694956  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-12)  
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-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2774.1 lumens  
Efficiency: N/A  
Efficacy: 95.0 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

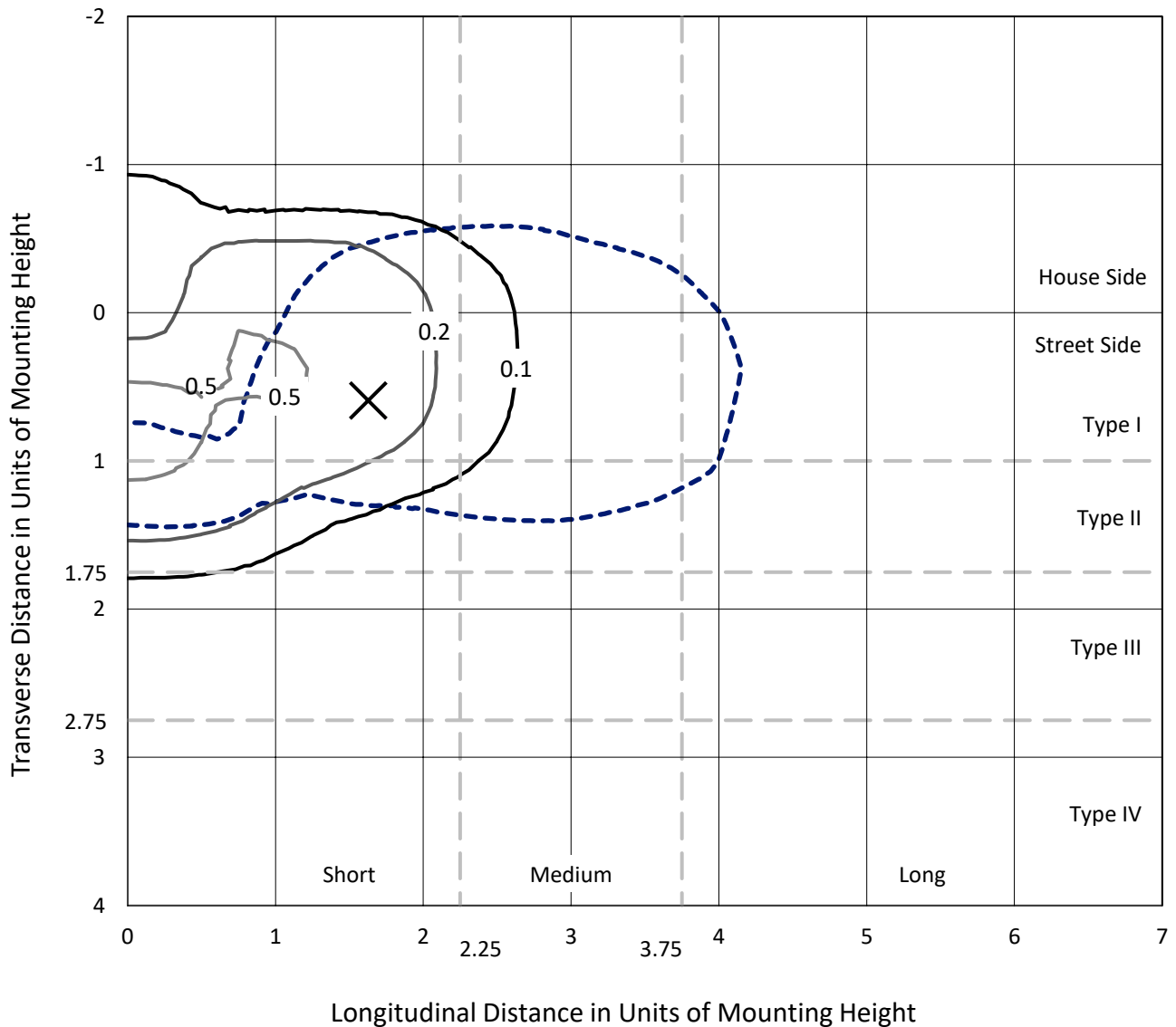
Input Watts (W): 29.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

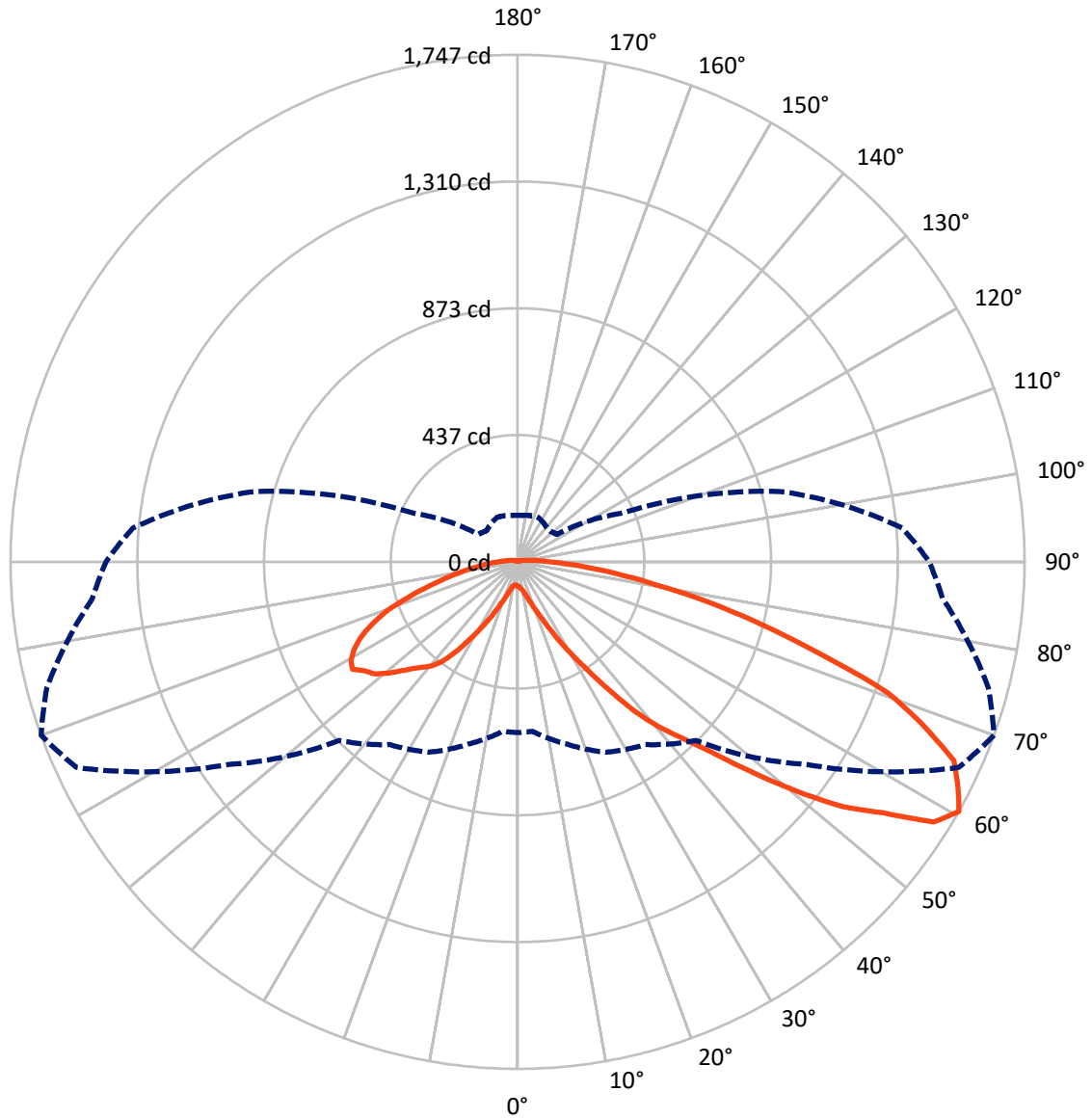
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical

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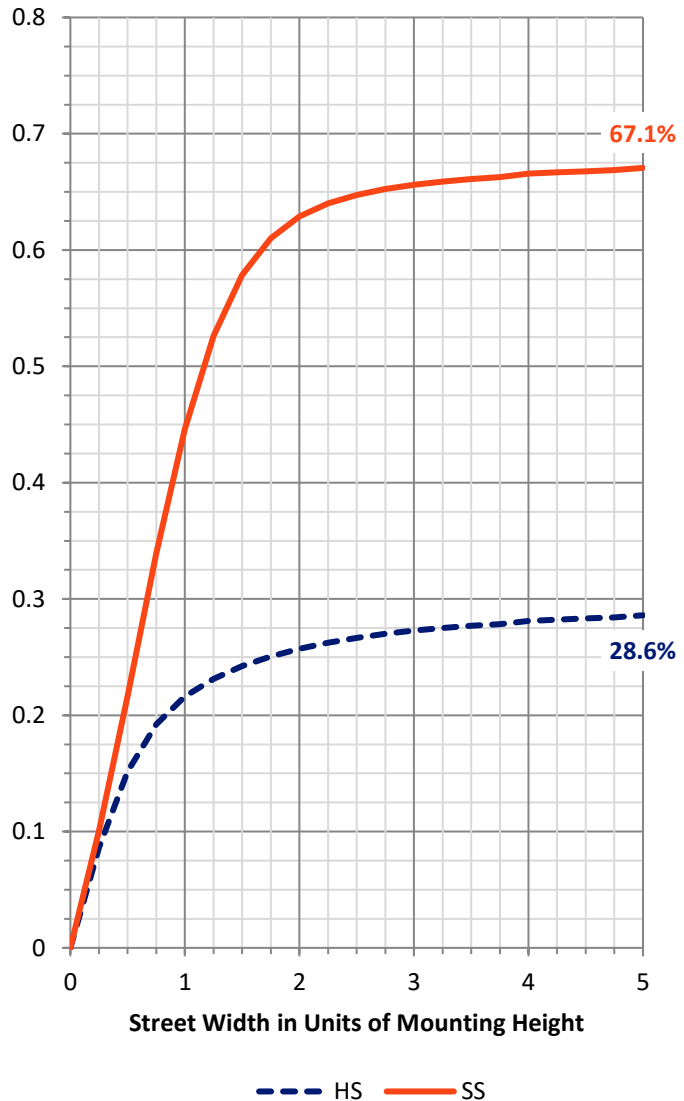
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	816.7	41.2	857.9
	% Fixture	29.4	1.5	30.9
<b>Street Side</b>	Lumens	1881.0	35.2	1916.1
	% Fixture	67.8	1.3	69.1
<b>Total</b>	Lumens	2697.7	76.4	2774.1
	% Fixture	97.2	2.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.4	0.3
10°-20°	35.4	1.3
20°-30°	112.1	4.0
30°-40°	275.9	9.9
40°-50°	477.4	17.2
50°-60°	671.9	24.2
60°-70°	624.8	22.5
70°-80°	356.3	12.8
80°-90°	135.6	4.9
90°-100°	40.4	1.5
100°-110°	16.4	0.6
110°-120°	8.8	0.3
120°-130°	5.5	0.2
130°-140°	3.6	0.1
140°-150°	1.6	0.1
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2697.7	97.2
0°-180°	2774.1	100.0

**Coefficient of Utilization**

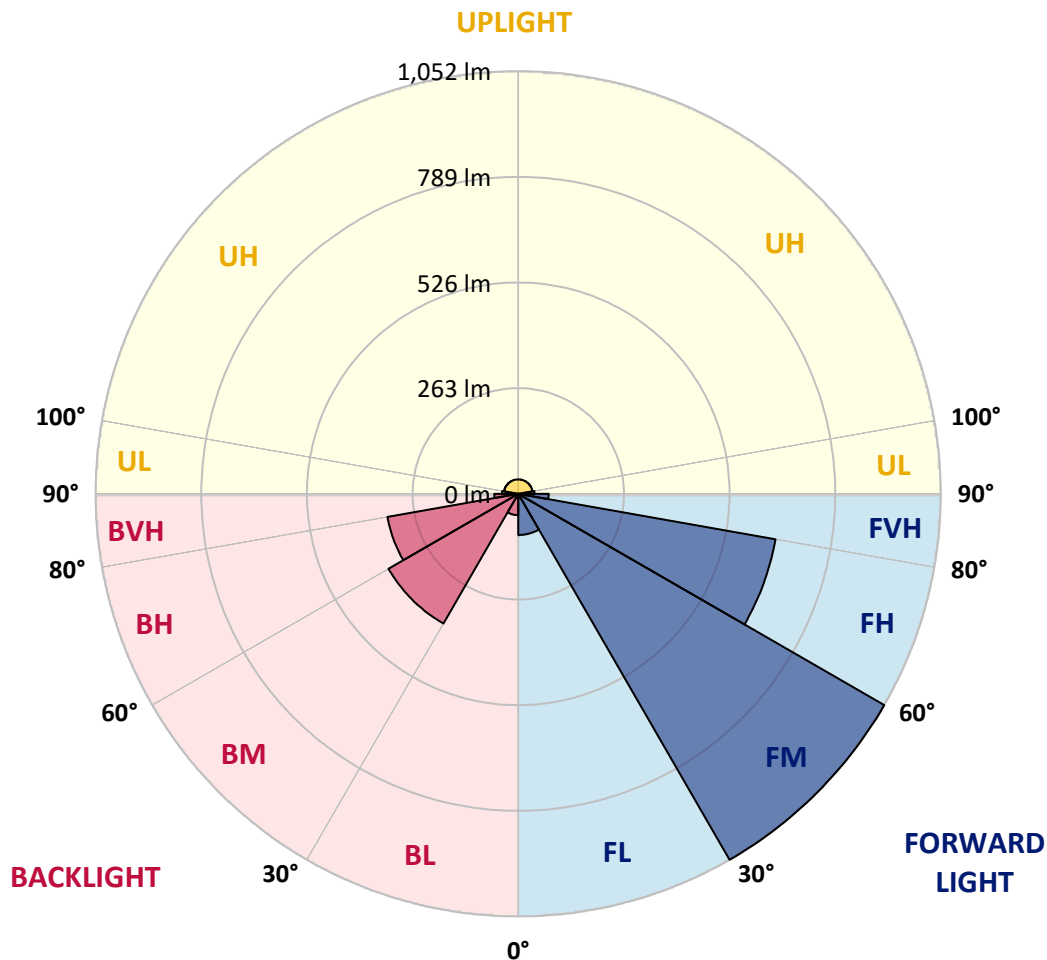


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.6	3.7			
FM (30°-60°)	1052.2	37.9			
FH (60°-80°)	650.4	23.4			G0/660
FVH (80°-90°)	75.7	2.7			G1/100
BL (0°-30°)	53.2	1.9	B0/110		
BM (30°-60°)	373.0	13.4	B1/1000		
BH (60°-80°)	330.7	11.9	B1/500		G1/500
BVH (80°-90°)	59.8	2.2			G1/100
UL (90°-100°)	40.4	1.5		U2/50	
UH (100°-180°)	36.0	1.3		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°	70°	75°	85°
0°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2.5°	89.7	88.8	88.8	88.8	88.8	87.8	86.8	85.8	85.8	84.9	83.9
5°	97.5	97.5	97.5	96.6	95.6	94.6	92.7	90.7	89.7	87.8	85.8
7.5°	110.2	108.3	108.3	107.3	104.4	102.4	99.5	95.6	94.6	92.7	89.7
10°	125.8	124.8	123.9	120.9	116.1	112.2	109.2	104.4	101.4	99.5	95.6
12.5°	150.2	150.2	147.3	141.4	134.6	127.8	121.9	116.1	113.1	110.2	106.3
15°	180.4	179.5	178.5	168.7	158.0	148.3	138.5	131.7	128.7	126.8	120.0
17.5°	220.4	221.4	215.5	199.9	184.3	173.6	161.9	153.1	149.2	146.3	140.4
20°	272.1	271.1	262.4	239.9	222.4	204.8	192.1	178.5	175.6	172.6	165.8
22.5°	339.4	337.5	319.9	292.6	266.3	241.9	225.3	215.5	209.7	205.8	199.9
25°	408.7	416.5	392.1	358.9	320.9	283.8	266.3	260.4	254.6	251.6	243.8
27.5°	517.9	518.9	483.8	430.1	379.4	341.4	318.9	309.2	309.2	305.3	295.5
30°	634.0	633.0	590.1	521.8	452.6	399.9	376.5	370.6	372.6	367.7	354.0
32.5°	736.4	734.4	686.6	619.3	527.7	463.3	440.9	442.8	444.8	448.7	437.9
35°	847.6	846.6	790.0	707.1	607.6	535.5	519.9	538.4	539.4	545.2	520.8
37.5°	887.6	893.4	858.3	784.2	678.8	609.6	610.6	631.0	648.6	650.5	616.4
40°	917.8	920.7	888.5	829.0	743.2	686.6	711.0	744.2	745.2	728.6	673.0
42.5°	987.0	990.0	945.1	870.0	790.0	764.7	799.8	834.9	828.1	813.4	744.2
45°	1031.9	1035.8	1006.5	934.4	836.8	822.2	886.6	933.4	932.4	922.7	827.1
47.5°	1077.7	1083.6	1053.4	985.1	890.5	875.8	982.2	1078.7	1077.7	1050.4	937.3
50°	1064.1	1069.0	1070.9	1026.1	928.5	931.4	1082.6	1230.9	1238.7	1203.6	1071.9
52.5°	981.2	989.0	1017.3	1023.1	955.8	969.5	1180.2	1391.8	1401.6	1343.0	1176.3
55°	873.9	883.7	920.7	961.7	939.2	979.2	1261.1	1519.6	1525.4	1477.6	1309.9
57.5°	730.5	751.0	798.8	857.3	871.0	955.8	1262.1	1624.9	1691.2	1654.2	1455.2
60°	588.1	586.2	649.6	723.7	768.6	870.0	1217.2	1676.6	1746.8	1679.5	1470.8
62.5°	422.3	429.1	497.4	583.2	638.8	736.4	1112.9	1575.2	1702.9	1701.0	1552.7
65°	301.4	308.2	357.9	439.9	504.2	610.6	944.1	1475.7	1651.2	1666.8	1544.9
67.5°	214.6	217.5	255.5	319.9	376.5	466.2	773.4	1334.3	1509.8	1556.6	1500.1
70°	160.9	163.9	187.3	235.1	275.0	340.4	617.4	1131.4	1355.7	1424.0	1385.0
72.5°	123.9	127.8	143.4	179.5	202.9	242.9	461.3	922.7	1096.3	1163.6	1147.0
75°	97.5	99.5	111.2	135.6	150.2	170.7	326.7	710.0	872.9	969.5	969.5
77.5°	78.0	81.0	88.8	106.3	119.0	126.8	224.3	510.1	676.9	774.4	796.8
80°	62.4	64.4	71.2	83.9	92.7	97.5	151.2	354.0	485.7	601.8	667.1
82.5°	49.7	49.7	56.6	66.3	75.1	81.0	111.2	250.7	347.2	435.0	507.2
85°	40.0	41.0	44.9	51.7	60.5	68.3	85.8	171.7	237.0	291.6	351.1
87.5°	31.2	31.2	35.1	40.0	48.8	57.5	70.2	116.1	156.1	200.9	236.0
90°	22.4	23.4	25.4	29.3	38.0	46.8	55.6	81.0	103.4	125.8	149.2
92.5°	16.6	16.6	17.6	20.5	27.3	37.1	44.9	58.5	71.2	81.9	92.7
95°	12.7	12.7	13.7	14.6	19.5	28.3	34.1	42.9	49.7	57.5	62.4
97.5°	10.7	10.7	10.7	11.7	15.6	21.5	26.3	32.2	37.1	41.9	46.8
100°	9.8	9.8	9.8	9.8	12.7	18.5	20.5	25.4	28.3	32.2	35.1
102.5°	8.8	8.8	8.8	8.8	11.7	15.6	17.6	19.5	22.4	24.4	27.3
105°	7.8	7.8	7.8	7.8	9.8	12.7	14.6	16.6	17.6	18.5	20.5
107.5°	6.8	6.8	6.8	6.8	8.8	11.7	12.7	12.7	13.7	14.6	16.6
110°	5.9	5.9	5.9	6.8	7.8	9.8	10.7	10.7	10.7	11.7	13.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.9	5.9	5.9	5.9	6.8	8.8	8.8	8.8	9.8	9.8	11.7
115°	4.9	4.9	4.9	5.9	6.8	7.8	7.8	7.8	7.8	8.8	9.8
117.5°	4.9	4.9	4.9	4.9	6.8	7.8	7.8	6.8	6.8	7.8	8.8
120°	4.9	4.9	4.9	4.9	5.9	6.8	6.8	6.8	6.8	6.8	7.8
122.5°	4.9	4.9	4.9	4.9	5.9	5.9	5.9	5.9	5.9	5.9	6.8
125°	4.9	4.9	4.9	4.9	5.9	5.9	5.9	4.9	4.9	5.9	6.8
127.5°	5.9	5.9	4.9	4.9	4.9	5.9	4.9	4.9	4.9	4.9	5.9
130°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.9
132.5°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	3.9	3.9	4.9	5.9
135°	4.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	3.9	3.9	4.9
137.5°	4.9	4.9	4.9	3.9	3.9	3.9	2.9	2.9	2.9	3.9	3.9
140°	4.9	4.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9
142.5°	3.9	3.9	3.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	2.9
145°	3.9	3.9	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	2.9	2.9	2.9	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0
150°	2.9	2.0	2.0	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°	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2.5°	83.9	82.9	81.9	81.9	81.0	80.0	79.0	79.0	79.0	79.0	79.0
5°	84.9	83.9	81.9	80.0	78.0	76.1	75.1	73.1	73.1	73.1	72.2
7.5°	87.8	85.8	82.9	79.0	76.1	73.1	70.2	69.2	68.3	67.3	67.3
10°	92.7	90.7	85.8	81.0	76.1	72.2	68.3	65.3	63.4	63.4	63.4
12.5°	102.4	99.5	92.7	84.9	78.0	72.2	67.3	64.4	63.4	63.4	64.4
15°	118.0	114.1	104.4	94.6	83.9	75.1	71.2	71.2	72.2	73.1	73.1
17.5°	136.5	131.7	120.9	107.3	94.6	85.8	81.9	82.9	84.9	85.8	85.8
20°	162.9	154.1	143.4	124.8	108.3	100.5	95.6	94.6	99.5	101.4	101.4
22.5°	193.1	188.2	170.7	147.3	127.8	116.1	109.2	107.3	112.2	114.1	114.1
25°	238.0	228.2	207.7	176.5	151.2	131.7	121.9	120.0	126.8	130.7	130.7
27.5°	289.7	275.0	249.7	209.7	174.6	146.3	133.6	133.6	140.4	146.3	147.3
30°	343.3	326.7	296.5	246.8	198.0	158.0	142.4	143.4	150.2	159.0	157.0
32.5°	421.3	397.9	353.1	288.7	219.4	167.8	147.3	151.2	161.9	173.6	171.7
35°	497.4	473.0	419.4	335.5	238.0	172.6	150.2	159.0	170.7	179.5	179.5
37.5°	578.4	548.1	479.9	376.5	257.5	175.6	152.2	160.9	172.6	178.5	178.5
40°	632.0	601.8	523.8	405.7	265.3	174.6	151.2	160.0	167.8	169.7	167.8
42.5°	699.3	654.4	557.9	419.4	261.4	169.7	148.3	155.1	158.0	157.0	157.0
45°	779.3	729.5	606.7	424.3	249.7	161.9	144.3	149.2	153.1	154.1	154.1
47.5°	886.6	829.0	670.1	432.1	235.1	154.1	142.4	150.2	154.1	151.2	151.2
50°	1010.4	943.1	743.2	438.9	220.4	148.3	143.4	153.1	154.1	151.2	150.2
52.5°	1109.0	1035.8	806.6	446.7	205.8	145.3	147.3	157.0	156.1	151.2	150.2
55°	1239.6	1164.5	863.2	429.1	192.1	146.3	151.2	160.9	158.0	150.2	150.2
57.5°	1393.8	1303.0	938.3	419.4	176.5	149.2	156.1	164.8	160.0	153.1	152.2
60°	1418.1	1330.4	936.3	395.0	164.8	151.2	160.0	168.7	164.8	160.0	160.0
62.5°	1501.0	1406.4	920.7	352.1	156.1	151.2	162.9	173.6	174.6	171.7	170.7
65°	1490.3	1386.9	880.7	309.2	148.3	149.2	164.8	179.5	180.4	181.4	181.4
67.5°	1451.3	1343.0	811.5	271.1	139.5	146.3	164.8	178.5	183.4	187.3	187.3
70°	1332.3	1233.8	723.7	233.1	130.7	138.5	157.0	172.6	177.5	182.4	183.4
72.5°	1114.8	1023.1	594.0	198.0	119.0	126.8	143.4	158.0	163.9	167.8	166.8
75°	929.5	855.4	482.8	157.0	106.3	112.2	125.8	138.5	142.4	145.3	145.3
77.5°	767.6	701.3	380.4	128.7	92.7	97.5	108.3	118.0	121.9	122.9	120.9
80°	640.8	562.8	298.5	104.4	79.0	81.9	92.7	100.5	104.4	102.4	103.4
82.5°	495.5	431.1	226.3	87.8	69.2	70.2	78.0	84.9	87.8	85.8	84.9
85°	336.5	292.6	162.9	76.1	60.5	59.5	64.4	70.2	72.2	71.2	70.2
87.5°	222.4	193.1	118.0	65.3	52.7	51.7	54.6	59.5	61.4	60.5	58.5
90°	140.4	127.8	84.9	55.6	45.8	43.9	45.8	48.8	51.7	50.7	49.7
92.5°	89.7	81.0	62.4	45.8	39.0	37.1	37.1	39.0	41.0	39.0	37.1
95°	60.5	58.5	47.8	37.1	32.2	30.2	29.3	29.3	31.2	29.3	28.3
97.5°	46.8	44.9	39.0	29.3	25.4	24.4	23.4	23.4	25.4	23.4	22.4
100°	36.1	36.1	31.2	24.4	19.5	19.5	19.5	20.5	21.5	20.5	20.5
102.5°	28.3	28.3	26.3	20.5	16.6	16.6	16.6	17.6	19.5	18.5	18.5
105°	21.5	22.4	21.5	16.6	14.6	14.6	14.6	15.6	16.6	16.6	16.6
107.5°	17.6	18.5	17.6	14.6	12.7	12.7	12.7	13.7	14.6	15.6	15.6
110°	14.6	15.6	14.6	12.7	11.7	11.7	11.7	11.7	13.7	13.7	14.6

REPORT NUMBER: P694956  
 CATALOG NUMBER: LXF.LXT-PA16-30-827-U-T2U-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.7	12.7	12.7	10.7	10.7	10.7	9.8	10.7	11.7	12.7	12.7
115°	10.7	10.7	10.7	9.8	9.8	9.8	8.8	8.8	10.7	11.7	11.7
117.5°	9.8	9.8	9.8	8.8	8.8	8.8	7.8	7.8	8.8	10.7	10.7
120°	8.8	8.8	8.8	7.8	7.8	7.8	6.8	6.8	7.8	9.8	9.8
122.5°	7.8	7.8	7.8	6.8	6.8	6.8	6.8	6.8	7.8	8.8	8.8
125°	6.8	6.8	6.8	6.8	6.8	5.9	5.9	5.9	6.8	7.8	7.8
127.5°	6.8	6.8	6.8	5.9	5.9	5.9	5.9	5.9	5.9	6.8	7.8
130°	5.9	5.9	5.9	5.9	4.9	4.9	4.9	4.9	5.9	6.8	6.8
132.5°	5.9	5.9	5.9	4.9	4.9	4.9	4.9	4.9	5.9	5.9	6.8
135°	4.9	5.9	4.9	4.9	4.9	3.9	3.9	3.9	4.9	5.9	5.9
137.5°	4.9	4.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
140°	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	3.9	4.9	4.9
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.9	2.9	3.9	3.9
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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)