

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: P695219

Luminaire Tested: **LXF.LXT-PA16-40-827-U-SL3-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-SL3-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3248 lumens  
Efficiency: N/A  
Efficacy: 80.8 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 - G2

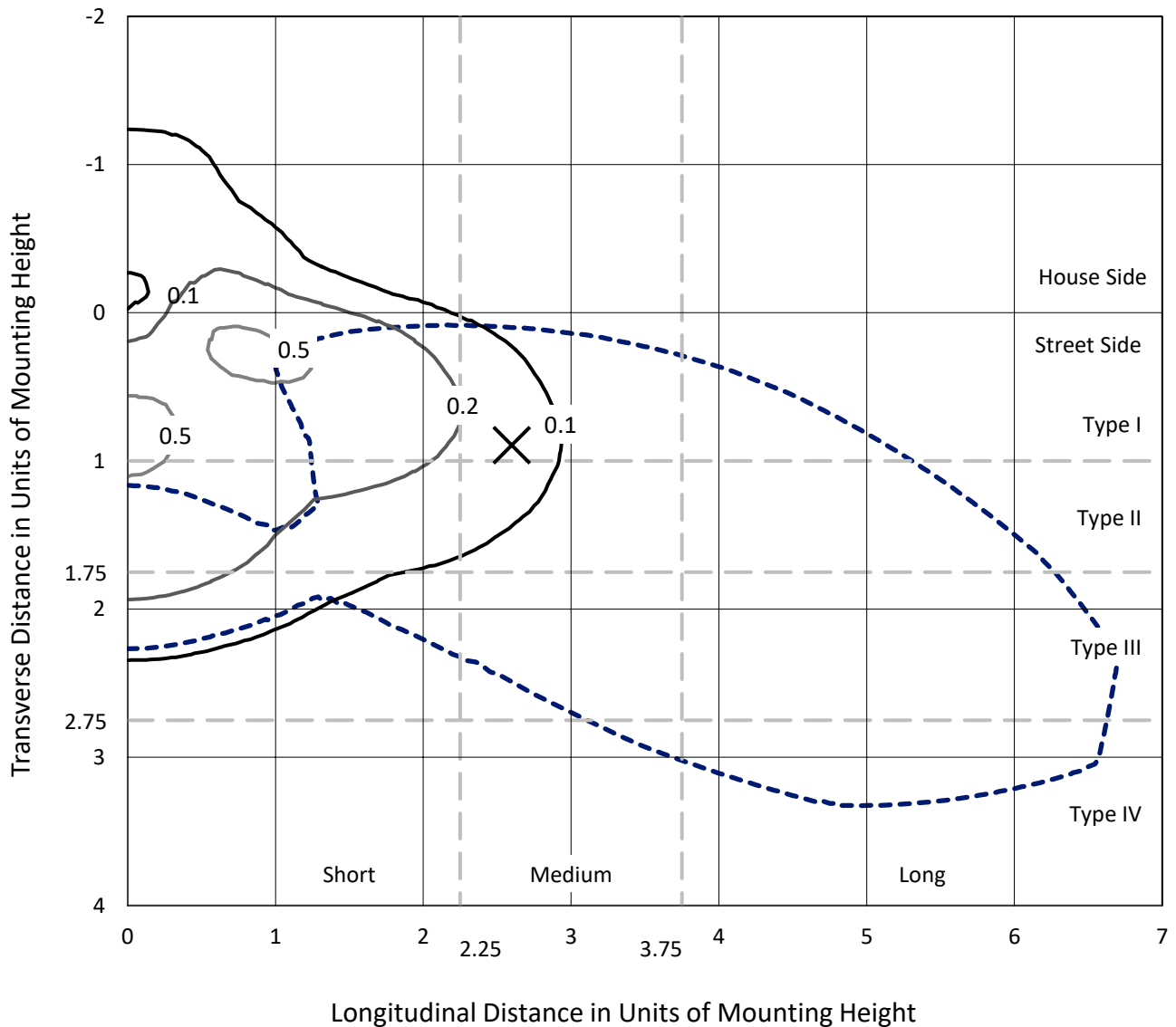
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

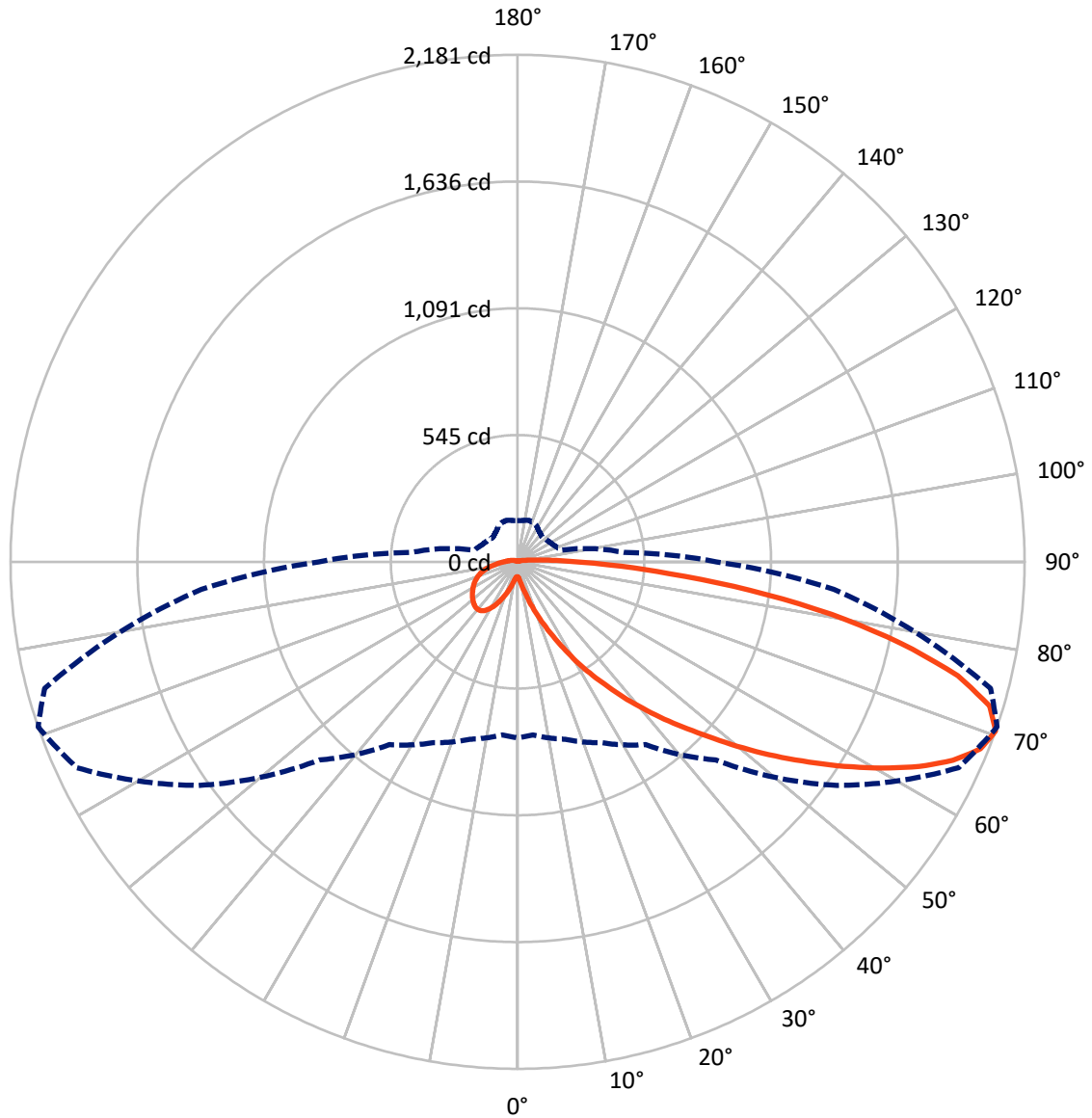
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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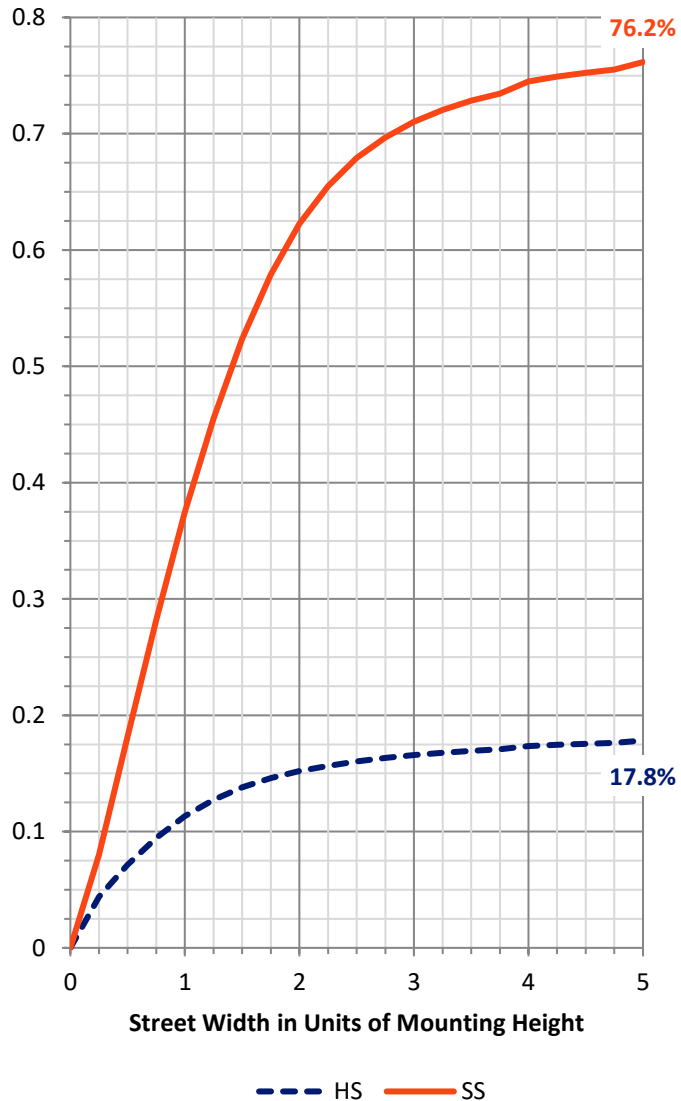
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	606.8	52.1	658.9
	% Fixture	18.7	1.6	20.3
<b>Street Side</b>	Lumens	2532.4	56.8	2589.1
	% Fixture	78.0	1.7	79.7
<b>Total</b>	Lumens	3139.1	108.9	3248.0
	% Fixture	96.6	3.4	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.3	0.2
10°-20°	37.9	1.2
20°-30°	116.8	3.6
30°-40°	253.5	7.8
40°-50°	423.2	13.0
50°-60°	627.0	19.3
60°-70°	789.0	24.3
70°-80°	633.9	19.5
80°-90°	250.5	7.7
90°-100°	60.4	1.9
100°-110°	23.7	0.7
110°-120°	11.8	0.4
120°-130°	6.7	0.2
130°-140°	4.0	0.1
140°-150°	2.0	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3139.1	96.6
0°-180°	3248.0	100.0

**Coefficient of Utilization**



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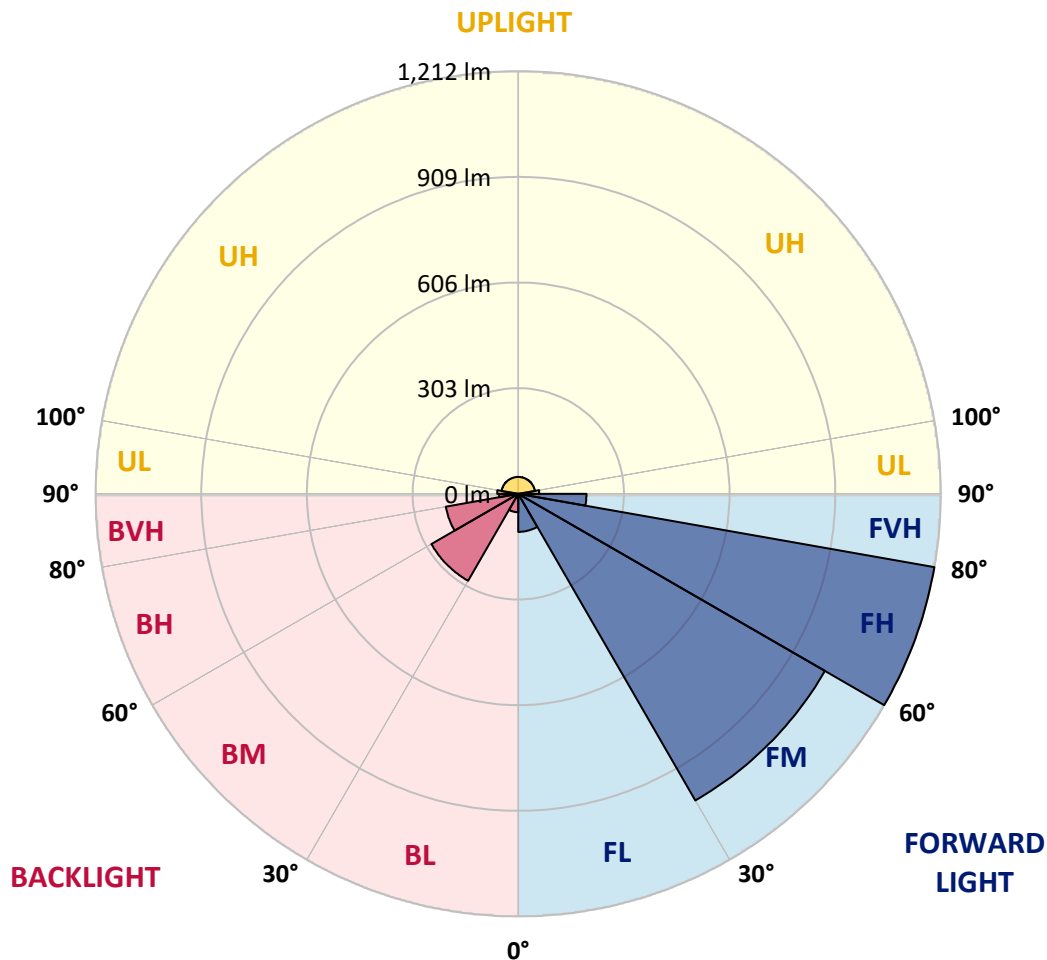
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	109.2	3.4			
FM (30°-60°)	1015.6	31.3			
FH (60°-80°)	1212.0	37.3			G1/1800
FVH (80°-90°)	195.6	6.0			G2/225
BL (0°-30°)	52.8	1.6	B0/110		
BM (30°-60°)	288.0	8.9	B1/1000		
BH (60°-80°)	211.0	6.5	B1/500		G1/500
BVH (80°-90°)	55.0	1.7			G1/100
UL (90°-100°)	60.4	1.9		U3/500	
UH (100°-180°)	48.5	1.5		U2/50	

**BUG Rating: B1-U3-G2**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2.5°	71.5	71.5	71.5	71.5	71.5	70.2	69.0	69.0	67.8	67.8	66.5
5°	85.0	85.0	83.8	83.8	82.6	81.3	80.1	77.6	76.4	75.2	72.7
7.5°	101.1	99.8	98.6	98.6	98.6	96.1	93.7	91.2	88.7	86.3	82.6
10°	120.8	119.5	119.5	118.3	117.1	115.8	113.4	109.7	106.0	104.8	98.6
12.5°	144.2	143.0	144.2	143.0	139.3	139.3	138.0	133.1	130.6	128.2	119.5
15°	173.8	173.8	173.8	170.1	168.8	166.4	167.6	163.9	161.4	159.0	147.9
17.5°	210.7	210.7	208.3	204.6	199.6	199.6	200.9	200.9	202.1	194.7	179.9
20°	252.6	256.3	248.9	241.5	235.4	236.6	239.1	246.5	246.5	239.1	221.8
22.5°	306.9	303.2	299.5	284.7	274.8	272.4	282.2	294.5	295.8	294.5	267.4
25°	363.6	362.3	350.0	334.0	316.7	314.3	330.3	350.0	354.9	352.5	320.4
27.5°	423.9	423.9	411.6	383.3	358.6	354.9	374.6	409.1	420.2	421.5	377.1
30°	502.8	495.4	478.2	440.0	407.9	396.8	425.2	474.5	494.2	495.4	438.7
32.5°	570.6	570.6	545.9	502.8	456.0	437.5	472.0	544.7	570.6	568.1	499.1
35°	647.0	640.8	613.7	560.7	502.8	479.4	521.3	615.0	648.2	648.2	557.0
37.5°	717.2	709.8	685.2	622.3	550.9	520.1	573.1	685.2	738.2	738.2	608.8
40°	786.3	785.0	754.2	682.7	601.4	559.5	623.6	765.3	828.2	823.2	663.0
42.5°	863.9	859.0	822.0	745.6	650.7	602.6	676.6	849.1	925.5	918.1	714.8
45°	946.5	935.4	893.5	810.9	696.3	647.0	732.0	931.7	1024.1	1026.6	772.7
47.5°	1021.6	1019.2	976.0	878.7	755.4	693.8	792.4	1035.2	1135.0	1128.9	826.9
50°	1107.9	1103.0	1051.2	945.2	809.7	748.1	860.2	1137.5	1259.5	1253.3	898.4
52.5°	1192.9	1183.1	1128.9	1015.5	872.5	807.2	936.6	1249.6	1387.7	1374.1	969.9
55°	1265.6	1261.9	1192.9	1085.7	941.5	870.1	1027.8	1372.9	1520.7	1514.6	1047.5
57.5°	1324.8	1317.4	1253.3	1147.3	1004.4	955.1	1133.8	1496.1	1660.0	1645.2	1130.1
60°	1343.3	1335.9	1271.8	1189.2	1063.5	1042.6	1253.3	1634.1	1801.7	1782.0	1212.7
62.5°	1303.9	1296.5	1245.9	1192.9	1106.7	1126.4	1385.2	1780.8	1939.8	1920.0	1292.8
65°	1175.7	1172.0	1152.3	1142.4	1114.1	1191.7	1525.7	1910.2	2058.1	2024.8	1358.1
67.5°	983.4	988.4	990.8	1027.8	1068.5	1228.7	1624.3	2028.5	2148.0	2101.2	1380.3
70°	756.7	748.1	790.0	859.0	960.0	1205.3	1677.3	2093.8	2181.3	2106.1	1365.5
72.5°	538.5	539.8	586.6	677.8	822.0	1128.9	1667.4	2070.4	2123.4	2035.9	1295.2
75°	372.2	369.7	405.5	495.4	655.6	985.9	1547.9	1960.7	1955.8	1868.3	1144.9
77.5°	250.2	257.6	283.4	351.2	497.9	822.0	1363.0	1703.1	1685.9	1576.2	964.9
80°	176.2	173.8	200.9	251.4	347.5	638.4	1105.4	1391.3	1370.4	1238.5	753.0
82.5°	118.3	124.5	141.7	173.8	248.9	470.8	838.0	1030.3	1006.8	899.6	527.5
85°	77.6	80.1	96.1	122.0	172.5	324.1	573.1	695.1	653.2	586.6	345.1
87.5°	49.3	51.8	64.1	83.8	119.5	218.1	380.8	428.9	396.8	369.7	209.5
90°	29.6	32.0	41.9	57.9	82.6	146.7	230.5	248.9	221.8	202.1	126.9
92.5°	21.0	22.2	29.6	41.9	60.4	98.6	143.0	143.0	130.6	112.1	80.1
95°	14.8	16.0	22.2	32.0	45.6	67.8	90.0	85.0	75.2	70.2	54.2
97.5°	12.3	12.3	18.5	25.9	37.0	51.8	59.2	54.2	50.5	46.8	40.7
100°	9.9	11.1	16.0	22.2	30.8	39.4	43.1	39.4	35.7	34.5	30.8
102.5°	8.6	9.9	13.6	19.7	25.9	32.0	33.3	29.6	28.3	25.9	23.4
105°	7.4	8.6	11.1	17.3	22.2	27.1	27.1	24.6	22.2	21.0	18.5
107.5°	7.4	7.4	9.9	14.8	19.7	22.2	23.4	19.7	17.3	16.0	14.8
110°	6.2	6.2	8.6	12.3	17.3	19.7	19.7	16.0	13.6	12.3	11.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	6.2	6.2	8.6	11.1	14.8	17.3	16.0	13.6	11.1	9.9	9.9
115°	6.2	6.2	7.4	9.9	13.6	14.8	13.6	11.1	9.9	8.6	8.6
117.5°	4.9	6.2	7.4	9.9	12.3	13.6	12.3	9.9	8.6	7.4	7.4
120°	4.9	4.9	6.2	8.6	9.9	11.1	11.1	8.6	7.4	6.2	7.4
122.5°	4.9	4.9	6.2	7.4	9.9	9.9	9.9	7.4	6.2	6.2	6.2
125°	4.9	4.9	6.2	7.4	8.6	8.6	8.6	6.2	6.2	4.9	6.2
127.5°	4.9	4.9	4.9	6.2	7.4	8.6	7.4	6.2	4.9	4.9	6.2
130°	4.9	4.9	4.9	6.2	7.4	7.4	6.2	4.9	4.9	4.9	4.9
132.5°	4.9	4.9	4.9	6.2	6.2	6.2	6.2	4.9	4.9	4.9	4.9
135°	4.9	4.9	4.9	4.9	6.2	6.2	4.9	4.9	3.7	3.7	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.7	3.7	3.7	4.9
140°	4.9	3.7	3.7	4.9	4.9	4.9	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.5	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	3.7	3.7	2.5	2.5	2.5	2.5	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5
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°	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
2.5°	65.3	65.3	64.1	62.9	61.6	60.4	60.4	60.4	60.4	59.2	59.2
5°	70.2	69.0	66.5	64.1	61.6	59.2	57.9	56.7	55.5	55.5	54.2
7.5°	80.1	77.6	72.7	67.8	64.1	60.4	57.9	55.5	54.2	53.0	53.0
10°	94.9	91.2	82.6	75.2	69.0	62.9	59.2	56.7	55.5	54.2	54.2
12.5°	113.4	108.4	96.1	85.0	75.2	67.8	64.1	60.4	59.2	57.9	57.9
15°	140.5	130.6	114.6	98.6	85.0	75.2	70.2	69.0	67.8	67.8	67.8
17.5°	170.1	159.0	134.3	112.1	94.9	85.0	80.1	78.9	80.1	80.1	80.1
20°	205.8	189.8	156.5	128.2	107.2	97.4	93.7	92.4	94.9	96.1	97.4
22.5°	247.7	223.1	178.7	144.2	122.0	110.9	106.0	107.2	110.9	114.6	114.6
25°	294.5	263.7	203.3	160.2	136.8	124.5	120.8	125.7	130.6	135.6	136.8
27.5°	340.1	300.7	228.0	177.5	151.6	136.8	136.8	141.7	154.0	159.0	161.4
30°	388.2	335.2	247.7	194.7	166.4	150.3	151.6	162.7	176.2	183.6	186.1
32.5°	431.3	367.2	263.7	209.5	178.7	163.9	165.1	179.9	198.4	208.3	209.5
35°	474.5	390.7	277.3	223.1	189.8	173.8	178.7	198.4	218.1	229.2	230.5
37.5°	506.5	409.1	283.4	231.7	199.6	181.2	188.6	213.2	235.4	245.2	246.5
40°	536.1	420.2	285.9	237.8	205.8	188.6	197.2	225.5	247.7	257.6	257.6
42.5°	558.3	423.9	284.7	240.3	210.7	192.3	203.3	234.2	256.3	263.7	265.0
45°	581.7	427.6	279.7	240.3	212.0	194.7	205.8	237.8	260.0	265.0	265.0
47.5°	606.3	430.1	273.6	237.8	210.7	194.7	208.3	240.3	260.0	262.5	262.5
50°	640.8	436.3	266.2	232.9	208.3	193.5	208.3	240.3	257.6	255.1	255.1
52.5°	672.9	444.9	258.8	228.0	204.6	191.0	207.0	239.1	252.6	246.5	246.5
55°	712.3	451.0	250.2	220.6	199.6	187.3	203.3	234.2	245.2	237.8	236.6
57.5°	756.7	463.4	242.8	212.0	193.5	183.6	199.6	229.2	237.8	226.8	225.5
60°	802.3	473.2	234.2	204.6	187.3	177.5	193.5	221.8	228.0	216.9	215.7
62.5°	836.8	481.9	225.5	197.2	181.2	171.3	187.3	213.2	218.1	207.0	205.8
65°	866.4	485.6	215.7	188.6	173.8	165.1	179.9	203.3	207.0	197.2	195.9
67.5°	873.8	478.2	203.3	178.7	165.1	157.7	170.1	192.3	197.2	188.6	186.1
70°	855.3	458.4	192.3	170.1	157.7	149.1	160.2	179.9	184.9	177.5	177.5
72.5°	799.8	425.2	178.7	159.0	147.9	139.3	149.1	166.4	172.5	168.8	166.4
75°	713.5	374.6	162.7	147.9	136.8	129.4	136.8	152.8	159.0	157.7	157.7
77.5°	590.3	319.2	145.4	133.1	125.7	118.3	125.7	138.0	145.4	146.7	145.4
80°	454.7	252.6	125.7	118.3	113.4	107.2	113.4	124.5	130.6	133.1	131.9
82.5°	327.8	192.3	106.0	103.5	99.8	97.4	99.8	108.4	117.1	118.3	118.3
85°	226.8	139.3	88.7	88.7	86.3	85.0	87.5	93.7	99.8	102.3	102.3
87.5°	146.7	99.8	71.5	73.9	75.2	73.9	75.2	77.6	83.8	86.3	85.0
90°	96.1	71.5	59.2	61.6	64.1	64.1	62.9	64.1	70.2	71.5	71.5
92.5°	64.1	54.2	50.5	51.8	54.2	55.5	54.2	54.2	57.9	59.2	57.9
95°	48.1	44.4	43.1	44.4	46.8	46.8	46.8	45.6	48.1	49.3	48.1
97.5°	37.0	35.7	37.0	38.2	40.7	40.7	40.7	39.4	40.7	40.7	39.4
100°	29.6	29.6	32.0	33.3	34.5	34.5	34.5	34.5	34.5	32.0	32.0
102.5°	23.4	24.6	27.1	29.6	29.6	30.8	29.6	29.6	28.3	27.1	25.9
105°	19.7	19.7	23.4	24.6	25.9	25.9	25.9	24.6	23.4	21.0	21.0
107.5°	14.8	16.0	19.7	21.0	22.2	22.2	22.2	21.0	19.7	17.3	17.3
110°	12.3	13.6	16.0	18.5	19.7	19.7	19.7	18.5	16.0	13.6	13.6

REPORT NUMBER: P695219

CATALOG NUMBER: LXF.LXT-PA16-40-827-U-SL3-TL

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.1	11.1	13.6	16.0	16.0	17.3	17.3	16.0	13.6	11.1	12.3
115°	8.6	9.9	12.3	13.6	14.8	14.8	14.8	13.6	11.1	9.9	9.9
117.5°	8.6	8.6	11.1	12.3	12.3	13.6	12.3	11.1	9.9	8.6	8.6
120°	7.4	8.6	9.9	11.1	11.1	11.1	11.1	9.9	8.6	8.6	8.6
122.5°	7.4	7.4	8.6	9.9	9.9	9.9	9.9	8.6	7.4	7.4	7.4
125°	6.2	7.4	7.4	8.6	8.6	8.6	8.6	7.4	7.4	7.4	7.4
127.5°	6.2	6.2	7.4	7.4	7.4	7.4	7.4	7.4	6.2	6.2	6.2
130°	6.2	6.2	6.2	7.4	7.4	7.4	7.4	6.2	6.2	6.2	6.2
132.5°	4.9	4.9	6.2	6.2	6.2	6.2	6.2	6.2	4.9	6.2	6.2
135°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
137.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.9	4.9
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	2.5	2.5	2.5	3.7	3.7	3.7	3.7	3.7
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.7	3.7	3.7
150°	2.5	2.5	2.5	2.5	1.2	2.5	2.5	2.5	2.5	2.5	2.5
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)