

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: P695498

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4318 lumens
Efficiency: N/A
Efficacy: 81.3 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: B2 - U3 - G2

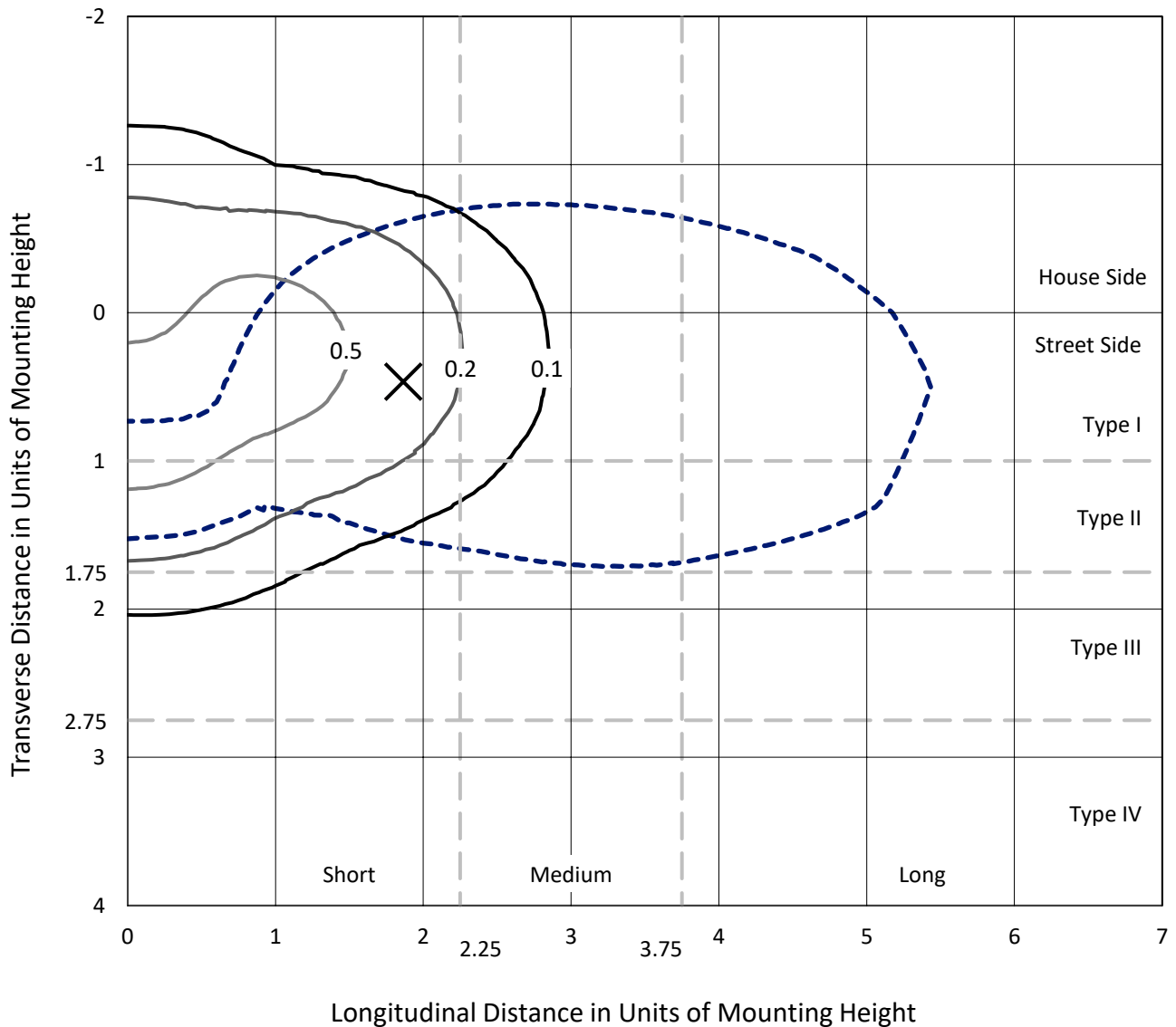
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

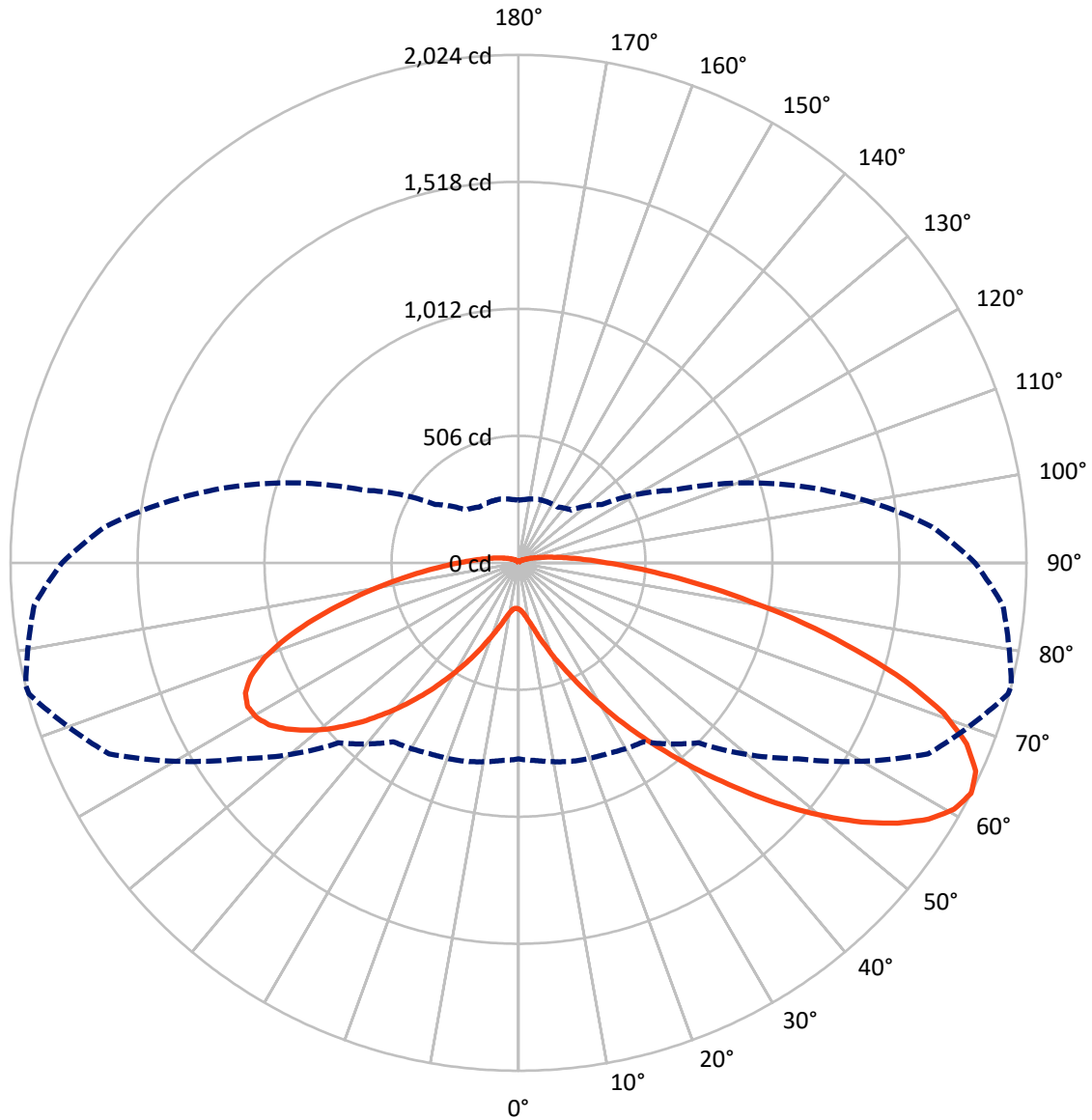
✕ Max cd
 - - - 1/2 Max cd



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 76-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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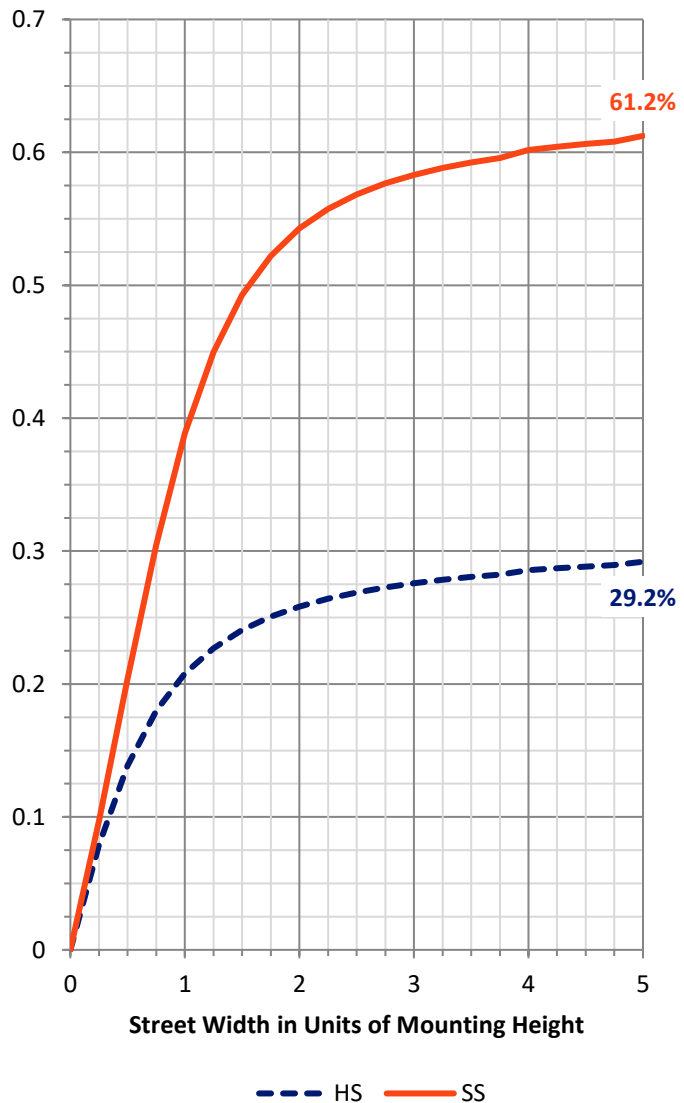
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1313.6	129.0	1442.7
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	2717.4	158.0	2875.4
	% Fixture	62.9	3.7	66.6
Total	Lumens	4031.0	287.0	4318.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	0.4
10°-20°	79.4	1.8
20°-30°	202.9	4.7
30°-40°	405.5	9.4
40°-50°	655.2	15.2
50°-60°	856.9	19.8
60°-70°	869.4	20.1
70°-80°	625.1	14.5
80°-90°	317.4	7.4
90°-100°	143.5	3.3
100°-110°	70.5	1.6
110°-120°	37.7	0.9
120°-130°	20.8	0.5
130°-140°	10.5	0.2
140°-150°	3.9	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4031.0	93.4
0°-180°	4318.0	100.0

Coefficient of Utilization

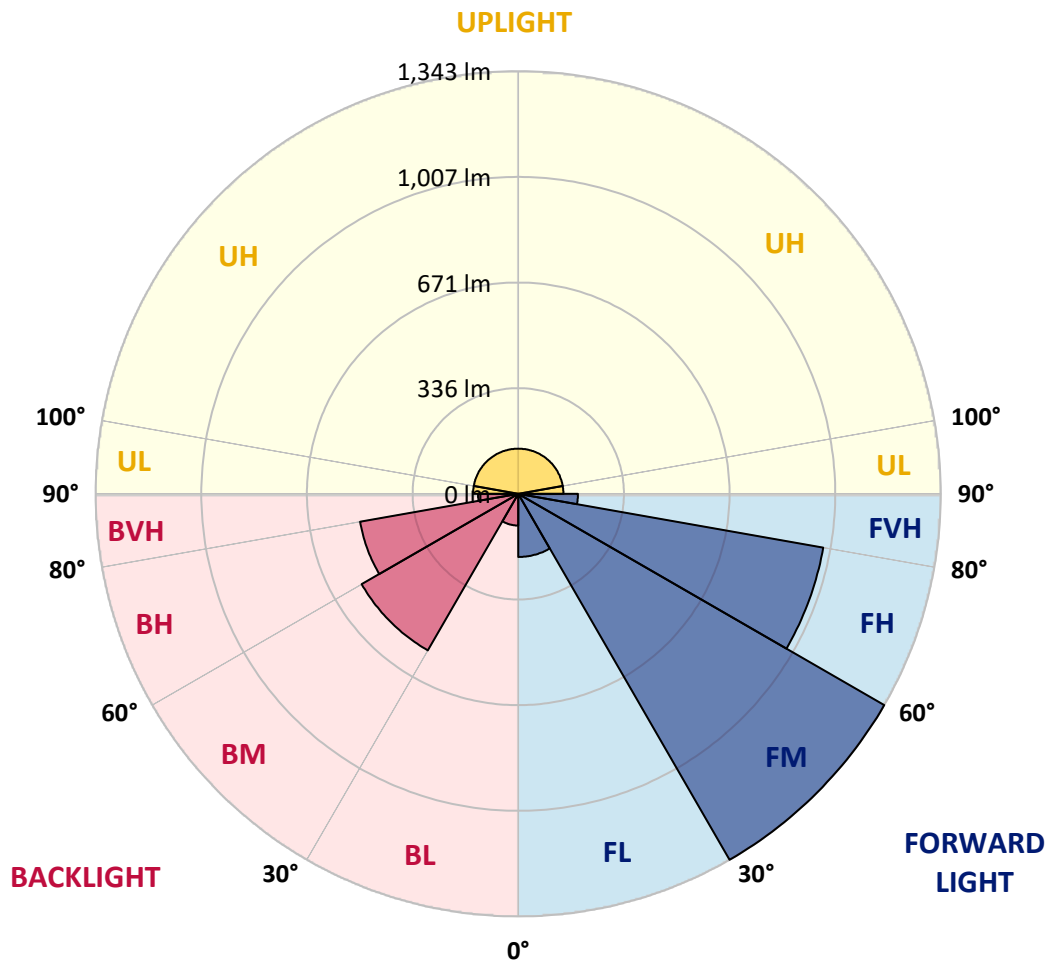


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	200.7	4.6			
FM (30°-60°)	1343.0	31.1			
FH (60°-80°)	984.1	22.8			G1/1800
FVH (80°-90°)	189.6	4.4			G2/225
BL (0°-30°)	100.8	2.3	B0/110		
BM (30°-60°)	574.6	13.3	B1/1000		
BH (60°-80°)	510.3	11.8	B2/1000		G2/1000
BVH (80°-90°)	127.8	3.0			G2/225
UL (90°-100°)	143.5	3.3		U3/500	
UH (100°-180°)	143.5	3.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	206.3	204.7	204.7	203.2	201.6	200.1	197.0	193.9	190.8	190.8	187.7
5°	234.2	232.7	232.7	229.6	226.5	220.3	215.6	209.4	203.2	201.6	195.4
7.5°	265.2	266.8	265.2	260.6	255.9	248.2	238.9	229.6	218.7	217.2	207.8
10°	304.0	305.6	300.9	294.7	290.1	282.3	268.3	255.9	242.0	240.4	228.0
12.5°	350.5	347.4	347.4	339.7	330.4	316.4	300.9	287.0	269.9	266.8	252.8
15°	397.1	403.3	398.6	387.8	373.8	359.9	344.3	327.3	310.2	307.1	287.0
17.5°	451.4	459.1	452.9	440.5	426.5	407.9	394.0	372.3	352.1	347.4	324.2
20°	519.6	519.6	511.9	496.3	480.8	466.9	446.7	423.4	400.2	398.6	367.6
22.5°	587.9	584.8	577.0	559.9	541.3	525.8	502.6	480.8	457.6	449.8	423.4
25°	663.9	660.8	646.8	623.5	608.0	586.3	567.7	546.0	521.2	513.4	483.9
27.5°	741.4	738.3	721.3	699.5	674.7	653.0	634.4	617.3	586.3	586.3	552.2
30°	822.1	817.4	797.3	774.0	743.0	721.3	710.4	693.3	671.6	667.0	625.1
32.5°	898.1	899.6	879.5	846.9	814.3	792.6	788.0	783.3	760.0	758.5	713.5
35°	977.2	974.1	952.4	919.8	885.7	865.5	867.1	876.4	856.2	853.1	798.8
37.5°	1048.5	1048.5	1025.3	984.9	947.7	932.2	953.9	978.7	964.8	955.5	899.6
40°	1113.7	1109.0	1088.9	1047.0	1005.1	1003.6	1042.3	1079.6	1074.9	1071.8	1003.6
42.5°	1161.8	1155.6	1136.9	1093.5	1056.3	1064.0	1127.6	1199.0	1197.4	1191.2	1118.3
45°	1188.1	1185.0	1168.0	1127.6	1092.0	1121.4	1214.5	1310.7	1327.7	1323.1	1234.7
47.5°	1192.8	1191.2	1177.3	1141.6	1115.2	1163.3	1299.8	1428.5	1454.9	1456.5	1355.6
50°	1174.2	1174.2	1164.9	1136.9	1121.4	1192.8	1366.5	1549.5	1586.8	1588.3	1478.2
52.5°	1129.2	1129.2	1129.2	1110.6	1107.5	1202.1	1422.3	1645.7	1718.6	1717.0	1605.4
55°	1065.6	1064.0	1070.2	1067.1	1071.8	1186.6	1448.7	1735.7	1836.5	1831.8	1721.7
57.5°	986.5	981.8	997.3	1003.6	1017.5	1149.4	1453.4	1796.2	1931.1	1928.0	1816.3
60°	884.1	887.2	910.5	921.3	946.2	1090.4	1422.3	1817.9	1994.7	1994.7	1895.4
62.5°	781.7	791.1	819.0	839.1	870.2	1014.4	1361.9	1800.8	2019.5	2024.2	1937.3
65°	682.5	694.9	725.9	747.6	786.4	921.3	1262.6	1734.1	1994.7	2002.4	1940.4
67.5°	592.5	595.6	629.7	654.6	694.9	822.1	1149.4	1620.9	1912.5	1926.4	1890.8
70°	505.7	510.3	544.4	572.3	608.0	718.2	1014.4	1453.4	1774.4	1797.7	1780.6
72.5°	421.9	429.7	459.1	491.7	525.8	622.0	870.2	1284.3	1588.3	1613.1	1622.4
75°	355.2	363.0	392.4	423.4	454.5	532.0	741.4	1087.3	1374.3	1388.2	1433.2
77.5°	294.7	304.0	328.8	359.9	387.8	452.9	614.2	896.5	1155.6	1166.4	1205.2
80°	246.6	254.4	274.5	304.0	325.7	380.0	502.6	725.9	926.0	940.0	974.1
82.5°	204.7	207.8	229.6	254.4	277.6	321.1	411.0	577.0	725.9	741.4	788.0
85°	172.2	173.7	192.3	212.5	234.2	266.8	335.0	451.4	559.9	570.8	604.9
87.5°	139.6	142.7	161.3	179.9	197.0	224.9	271.4	355.2	431.2	435.9	459.1
90°	116.3	119.4	134.9	152.0	169.1	187.7	223.4	274.5	328.8	331.9	345.9
92.5°	97.7	99.3	113.2	130.3	145.8	161.3	183.0	217.2	255.9	259.0	265.2
95°	82.2	83.8	96.2	110.1	124.1	136.5	153.6	175.3	198.5	200.1	206.3
97.5°	71.3	71.3	82.2	94.6	107.0	116.3	127.2	142.7	156.7	155.1	156.7
100°	60.5	60.5	69.8	82.2	93.1	100.8	107.0	114.8	121.0	122.5	122.5
102.5°	52.7	52.7	60.5	72.9	82.2	88.4	93.1	94.6	97.7	97.7	96.2
105°	45.0	46.5	52.7	63.6	71.3	77.6	79.1	79.1	77.6	77.6	77.6
107.5°	40.3	40.3	46.5	55.8	63.6	68.2	69.8	66.7	63.6	62.0	62.0
110°	37.2	37.2	41.9	49.6	57.4	60.5	60.5	55.8	51.2	52.7	51.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	32.6	34.1	37.2	45.0	51.2	54.3	52.7	48.1	43.4	41.9	41.9
115°	31.0	31.0	34.1	40.3	46.5	48.1	46.5	41.9	35.7	35.7	35.7
117.5°	27.9	27.9	31.0	35.7	40.3	43.4	40.3	35.7	29.5	29.5	29.5
120°	26.4	26.4	27.9	32.6	37.2	38.8	35.7	31.0	24.8	24.8	26.4
122.5°	24.8	24.8	26.4	29.5	32.6	34.1	32.6	26.4	21.7	21.7	23.3
125°	23.3	23.3	23.3	26.4	29.5	31.0	27.9	23.3	18.6	18.6	20.2
127.5°	21.7	21.7	21.7	23.3	26.4	26.4	24.8	20.2	17.1	17.1	18.6
130°	20.2	20.2	20.2	21.7	23.3	23.3	20.2	17.1	15.5	15.5	15.5
132.5°	18.6	18.6	18.6	18.6	20.2	20.2	17.1	14.0	12.4	14.0	14.0
135°	17.1	17.1	17.1	17.1	17.1	17.1	14.0	10.9	10.9	10.9	12.4
137.5°	15.5	15.5	15.5	14.0	14.0	14.0	10.9	9.3	9.3	9.3	10.9
140°	14.0	14.0	14.0	12.4	10.9	10.9	7.8	7.8	7.8	7.8	9.3
142.5°	12.4	12.4	12.4	10.9	9.3	7.8	6.2	6.2	6.2	6.2	7.8
145°	10.9	10.9	9.3	9.3	6.2	4.7	4.7	4.7	4.7	6.2	6.2
147.5°	9.3	9.3	7.8	6.2	4.7	3.1	1.6	3.1	3.1	3.1	4.7
150°	6.2	6.2	6.2	4.7	3.1	1.6	1.6	1.6	3.1	3.1	3.1
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°	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6	184.6
2.5°	186.1	184.6	181.5	178.4	175.3	173.7	172.2	170.6	170.6	170.6	170.6
5°	192.3	187.7	181.5	175.3	169.1	164.4	159.8	156.7	155.1	153.6	153.6
7.5°	203.2	197.0	186.1	176.8	167.5	158.2	152.0	147.4	144.3	142.7	142.7
10°	218.7	210.9	197.0	183.0	169.1	158.2	148.9	142.7	138.0	136.5	134.9
12.5°	243.5	234.2	214.0	193.9	176.8	161.3	150.5	141.1	136.5	134.9	134.9
15°	276.1	263.7	237.3	212.5	189.2	169.1	156.7	150.5	147.4	144.3	144.3
17.5°	310.2	296.3	266.8	235.8	207.8	184.6	170.6	164.4	158.2	156.7	156.7
20°	355.2	336.6	299.4	262.1	229.6	206.3	189.2	176.8	170.6	169.1	169.1
22.5°	403.3	380.0	338.1	291.6	255.9	226.5	206.3	190.8	184.6	181.5	181.5
25°	457.6	435.9	381.6	325.7	285.4	249.7	223.4	206.3	198.5	197.0	197.0
27.5°	522.7	496.3	429.7	366.1	313.3	269.9	240.4	220.3	212.5	210.9	210.9
30°	598.7	561.5	482.4	409.5	342.8	288.5	252.8	234.2	224.9	224.9	224.9
32.5°	670.1	631.3	539.8	452.9	369.2	304.0	265.2	246.6	237.3	237.3	237.3
35°	756.9	711.9	601.8	494.8	392.4	318.0	274.5	255.9	248.2	246.6	246.6
37.5°	853.1	795.7	663.9	533.6	414.1	327.3	282.3	263.7	255.9	254.4	254.4
40°	949.3	882.6	732.1	573.9	429.7	333.5	287.0	269.9	262.1	259.0	259.0
42.5°	1051.6	975.6	797.3	611.1	443.6	336.6	288.5	274.5	266.8	262.1	262.1
45°	1161.8	1071.8	867.1	640.6	452.9	338.1	290.1	276.1	269.9	263.7	263.7
47.5°	1279.6	1174.2	930.7	668.5	456.0	336.6	290.1	277.6	269.9	263.7	262.1
50°	1386.7	1273.4	995.8	690.2	456.0	333.5	290.1	279.2	271.4	262.1	262.1
52.5°	1499.9	1371.2	1051.6	704.2	452.9	328.8	288.5	277.6	271.4	260.6	260.6
55°	1611.6	1464.2	1102.8	711.9	445.2	322.6	285.4	277.6	269.9	259.0	257.5
57.5°	1701.5	1549.5	1144.7	711.9	434.3	314.9	280.7	276.1	268.3	257.5	255.9
60°	1774.4	1614.7	1168.0	702.6	420.3	307.1	276.1	273.0	266.8	254.4	252.8
62.5°	1819.4	1653.5	1174.2	685.6	404.8	297.8	271.4	268.3	263.7	252.8	249.7
65°	1827.2	1658.1	1155.6	656.1	384.7	285.4	263.7	263.7	259.0	248.2	246.6
67.5°	1782.2	1613.1	1109.0	615.8	363.0	273.0	254.4	255.9	252.8	243.5	240.4
70°	1686.0	1526.3	1031.5	569.2	338.1	260.6	243.5	245.1	242.0	234.2	232.7
72.5°	1537.1	1383.6	927.5	513.4	311.8	245.1	232.7	232.7	231.1	223.4	220.3
75°	1352.5	1219.2	808.1	454.5	285.4	228.0	218.7	218.7	217.2	209.4	206.3
77.5°	1146.3	1029.9	684.0	397.1	257.5	210.9	201.6	203.2	201.6	192.3	192.3
80°	926.0	845.3	570.8	341.2	231.1	192.3	184.6	186.1	183.0	173.7	170.6
82.5°	743.0	676.3	462.2	291.6	204.7	175.3	167.5	167.5	162.9	155.1	153.6
85°	567.7	519.6	373.8	245.1	181.5	156.7	150.5	148.9	142.7	134.9	133.4
87.5°	442.1	401.7	299.4	207.8	158.2	139.6	133.4	130.3	124.1	116.3	114.8
90°	333.5	308.7	238.9	173.7	139.6	124.1	117.9	113.2	107.0	99.3	96.2
92.5°	259.0	243.5	193.9	148.9	121.0	110.1	103.9	99.3	91.5	85.3	82.2
95°	200.1	190.8	159.8	127.2	107.0	96.2	91.5	86.9	80.7	72.9	69.8
97.5°	158.2	150.5	130.3	108.6	94.6	86.9	80.7	76.0	68.2	62.0	60.5
100°	124.1	119.4	108.6	93.1	83.8	76.0	71.3	66.7	58.9	52.7	52.7
102.5°	97.7	96.2	90.0	80.7	74.5	68.2	63.6	58.9	52.7	46.5	45.0
105°	79.1	79.1	74.5	69.8	65.1	60.5	57.4	52.7	45.0	40.3	38.8
107.5°	63.6	65.1	63.6	62.0	57.4	54.3	51.2	45.0	38.8	34.1	34.1
110°	52.7	52.7	54.3	52.7	51.2	48.1	45.0	40.3	34.1	31.0	31.0

REPORT NUMBER: P695498
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	43.4	45.0	46.5	46.5	45.0	43.4	40.3	35.7	29.5	26.4	26.4
115°	37.2	37.2	40.3	40.3	40.3	38.8	35.7	31.0	26.4	23.3	24.8
117.5°	31.0	32.6	34.1	35.7	35.7	34.1	31.0	26.4	21.7	21.7	21.7
120°	27.9	27.9	29.5	31.0	31.0	31.0	27.9	23.3	20.2	18.6	18.6
122.5°	24.8	24.8	26.4	27.9	27.9	26.4	24.8	20.2	17.1	17.1	17.1
125°	21.7	21.7	23.3	24.8	24.8	23.3	20.2	17.1	15.5	15.5	15.5
127.5°	18.6	20.2	20.2	21.7	21.7	20.2	18.6	15.5	12.4	14.0	14.0
130°	17.1	17.1	18.6	18.6	18.6	17.1	15.5	12.4	12.4	12.4	12.4
132.5°	15.5	15.5	15.5	15.5	15.5	15.5	12.4	10.9	10.9	10.9	10.9
135°	12.4	14.0	14.0	14.0	14.0	12.4	10.9	9.3	9.3	9.3	10.9
137.5°	10.9	10.9	12.4	10.9	10.9	10.9	7.8	7.8	7.8	9.3	9.3
140°	9.3	9.3	9.3	9.3	9.3	7.8	6.2	6.2	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	6.2	6.2	4.7	4.7	6.2	6.2	7.8
145°	6.2	6.2	6.2	6.2	4.7	4.7	3.1	4.7	4.7	6.2	6.2
147.5°	4.7	4.7	4.7	4.7	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	3.1	3.1	4.7	4.7
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)