

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: P695508

Luminaire Tested: **LXF.LXT-PA16-50-827-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-24)
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-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4222 lumens
Efficiency: N/A
Efficacy: 79.5 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 - G3

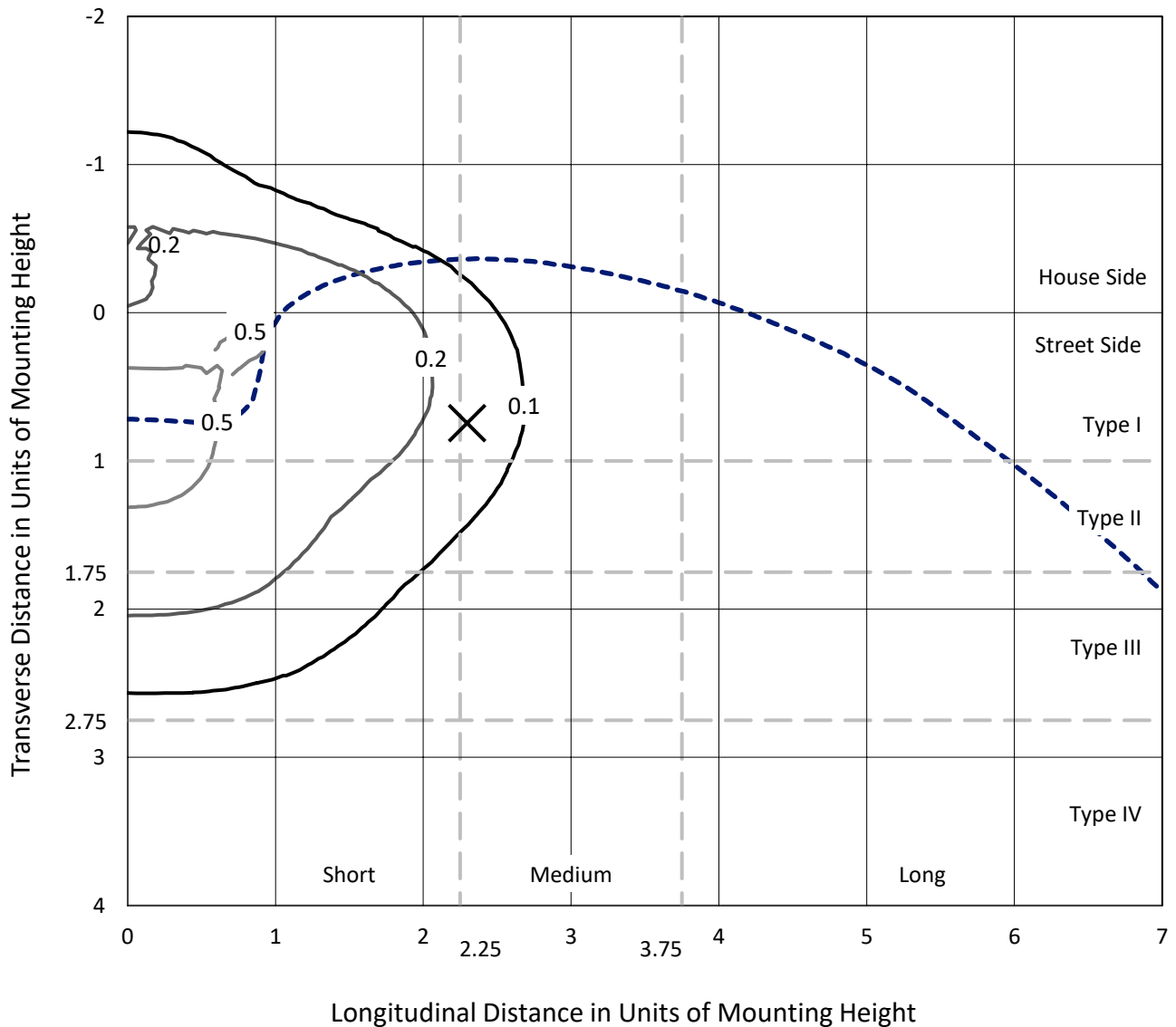
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

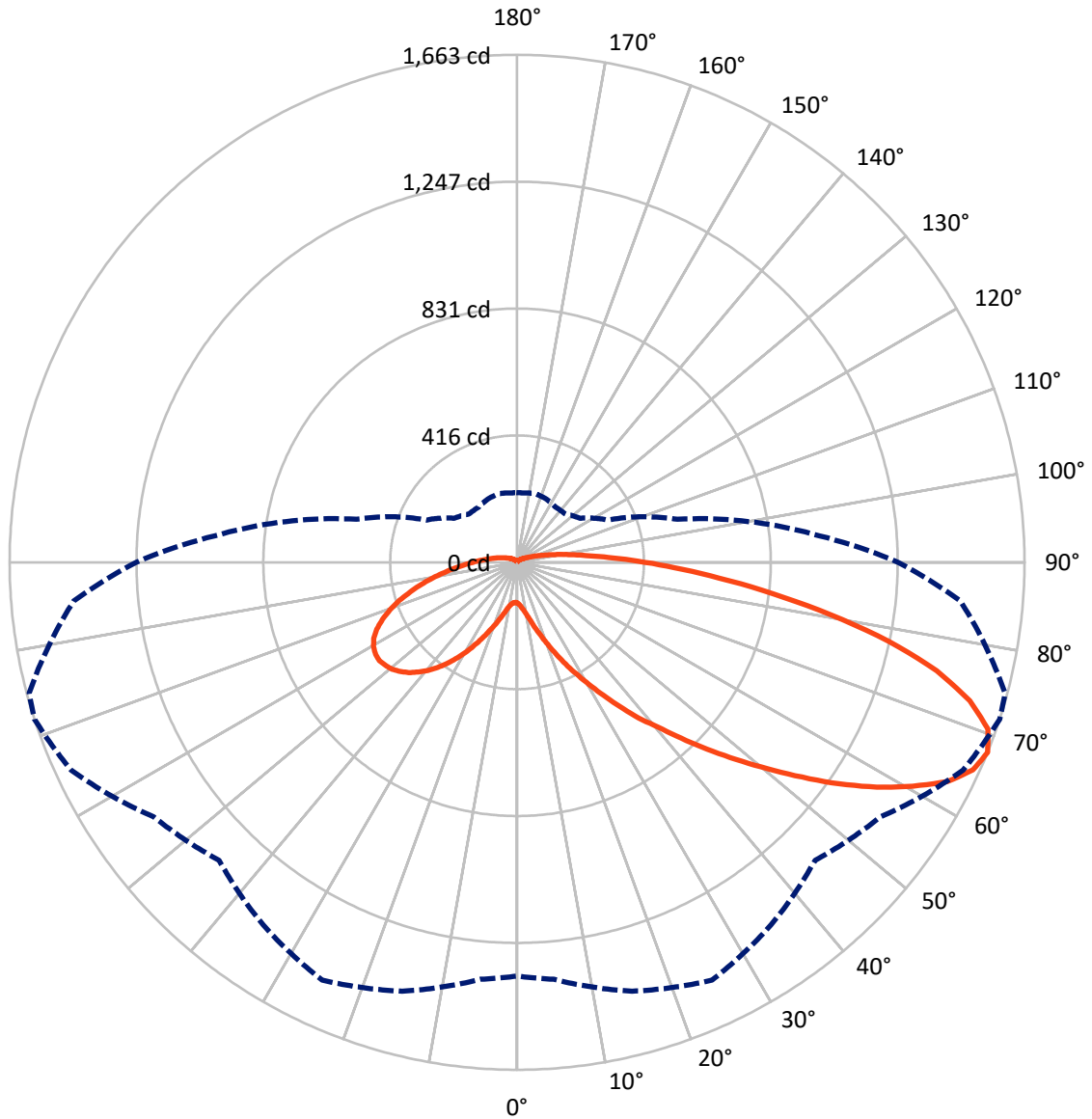
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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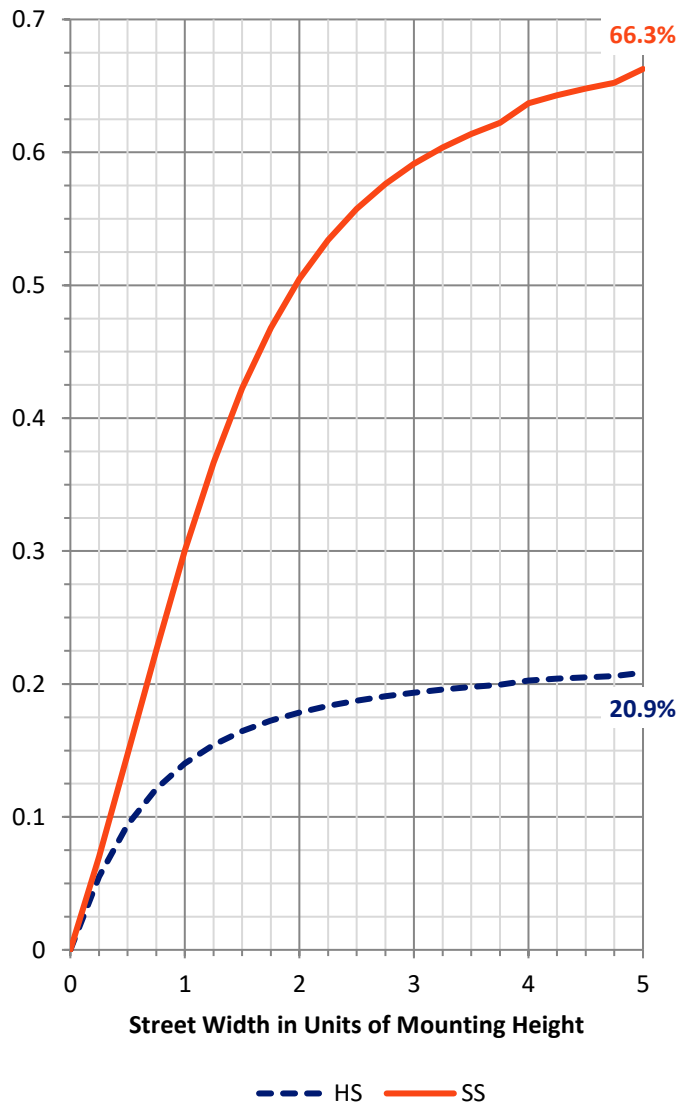
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	932.6	125.0	1057.6
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	2956.0	208.4	3164.4
	% Fixture	70.0	4.9	75.0
Total	Lumens	3888.6	333.4	4222.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.3
10°-20°	57.9	1.4
20°-30°	148.3	3.5
30°-40°	297.8	7.1
40°-50°	501.3	11.9
50°-60°	740.5	17.5
60°-70°	912.4	21.6
70°-80°	787.8	18.7
80°-90°	428.6	10.2
90°-100°	182.2	4.3
100°-110°	79.8	1.9
110°-120°	38.5	0.9
120°-130°	19.6	0.5
130°-140°	9.5	0.2
140°-150°	3.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3888.6	92.1
0°-180°	4222.0	100.0

Coefficient of Utilization

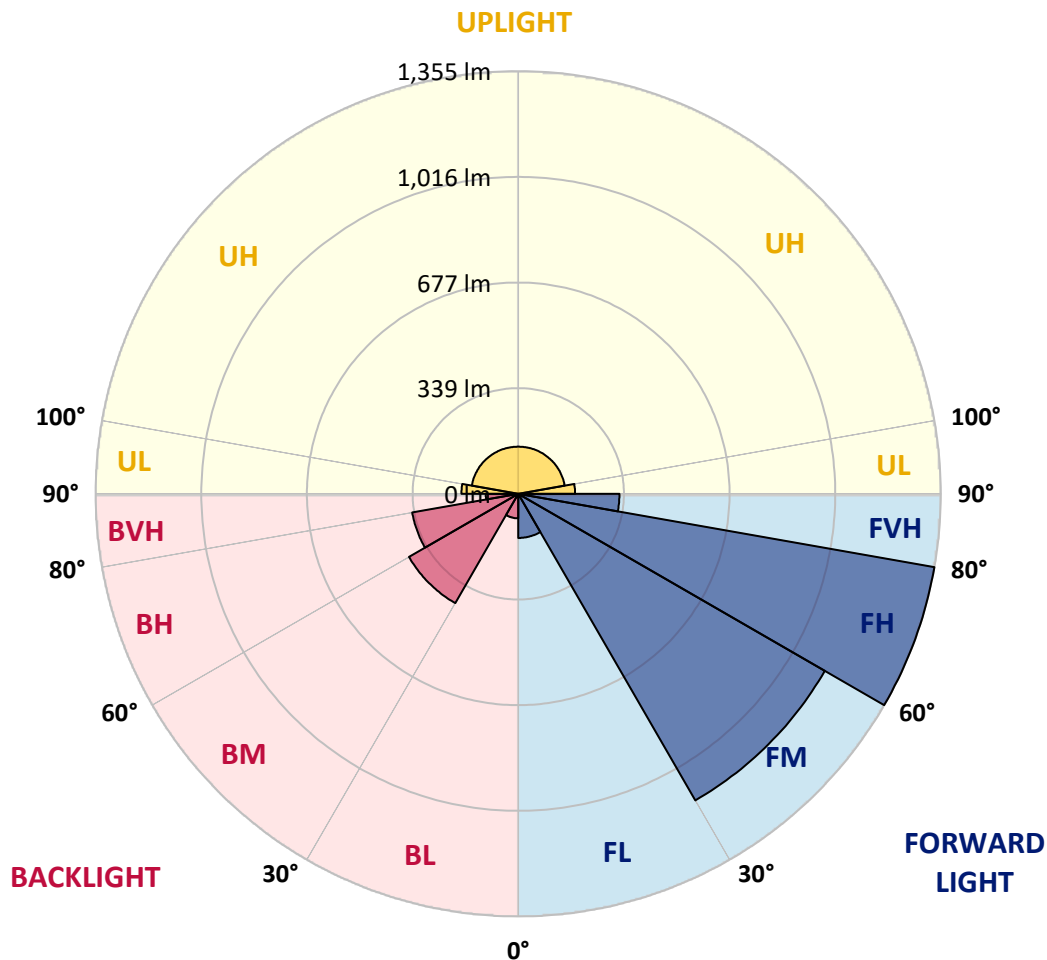


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.6	3.4			
FM (30°-60°)	1135.1	26.9			
FH (60°-80°)	1355.0	32.1			G1/1800
FVH (80°-90°)	324.4	7.7			G3/500
BL (0°-30°)	78.6	1.9	B0/110		
BM (30°-60°)	404.6	9.6	B1/1000		
BH (60°-80°)	345.2	8.2	B1/500		G1/500
BVH (80°-90°)	104.2	2.5			G2/225
UL (90°-100°)	182.2	4.3		U3/500	
UH (100°-180°)	151.2	3.6		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	145.8	145.8	145.8	144.2	142.7	142.7	141.1	139.6	138.0	136.5	134.9
5°	162.9	162.9	161.3	161.3	158.2	156.6	153.5	148.9	147.3	145.8	141.1
7.5°	184.6	184.6	181.5	181.5	176.8	173.7	169.1	162.9	158.2	156.6	150.4
10°	209.4	207.8	207.8	203.2	198.5	195.4	187.7	179.9	175.3	172.2	164.4
12.5°	242.0	240.4	237.3	232.6	226.4	218.7	210.9	203.2	195.4	192.3	183.0
15°	277.6	277.6	274.5	266.8	259.0	248.2	238.9	229.5	223.3	220.2	207.8
17.5°	319.5	318.0	314.8	305.5	293.1	282.3	271.4	260.6	252.8	249.7	235.7
20°	370.7	369.1	359.8	345.9	335.0	319.5	305.5	293.1	286.9	283.8	268.3
22.5°	426.5	423.4	414.1	397.0	375.3	359.8	344.3	331.9	325.7	321.1	307.1
25°	490.1	485.5	473.0	446.7	421.9	400.2	384.6	372.2	369.1	366.0	347.4
27.5°	559.9	556.8	539.7	507.2	473.0	448.2	428.1	420.3	414.1	411.0	390.8
30°	640.6	635.9	609.5	572.3	527.3	491.7	473.0	468.4	463.7	465.3	446.7
32.5°	719.7	719.7	687.1	637.5	581.6	539.7	518.0	521.1	519.6	519.6	497.9
35°	805.0	806.5	766.2	711.9	639.0	590.9	569.2	577.0	580.1	578.5	556.8
37.5°	894.9	891.8	851.5	783.2	699.5	640.6	621.9	632.8	646.8	642.1	621.9
40°	994.2	988.0	949.2	860.8	766.2	694.8	677.8	699.5	708.8	715.0	687.1
42.5°	1084.1	1081.0	1036.1	944.5	832.9	752.2	733.6	763.1	787.9	789.4	761.5
45°	1172.5	1166.3	1129.1	1026.7	898.0	817.4	801.9	843.7	873.2	876.3	845.3
47.5°	1253.2	1253.2	1211.3	1110.5	978.7	882.5	871.6	927.5	964.7	967.8	933.7
50°	1336.9	1333.8	1298.2	1195.8	1054.7	953.9	949.2	1020.5	1062.4	1067.1	1022.1
52.5°	1399.0	1399.0	1375.7	1279.6	1127.6	1023.6	1031.4	1115.2	1169.4	1181.8	1122.9
55°	1453.3	1454.8	1439.3	1352.5	1211.3	1099.6	1110.5	1216.0	1281.1	1298.2	1223.7
57.5°	1488.9	1490.5	1495.1	1426.9	1284.2	1169.4	1197.4	1323.0	1389.7	1403.6	1319.9
60°	1502.9	1507.5	1529.3	1484.3	1349.3	1242.3	1279.6	1419.1	1488.9	1504.4	1397.4
62.5°	1488.9	1496.7	1540.1	1524.6	1408.3	1304.4	1354.0	1507.5	1582.0	1588.2	1459.5
65°	1447.1	1456.4	1515.3	1533.9	1442.4	1354.0	1419.1	1575.8	1640.9	1642.5	1479.6
67.5°	1355.6	1371.1	1454.8	1510.7	1450.2	1380.4	1453.3	1611.5	1662.6	1654.9	1457.9
70°	1243.9	1256.3	1352.5	1442.4	1422.2	1375.7	1457.9	1603.7	1636.3	1617.7	1385.0
72.5°	1088.8	1102.7	1216.0	1333.8	1350.9	1338.5	1419.1	1551.0	1551.0	1523.1	1271.8
75°	921.3	947.6	1048.5	1188.0	1250.1	1256.3	1343.1	1442.4	1420.7	1380.4	1112.0
77.5°	758.4	767.7	867.0	1022.1	1102.7	1140.0	1217.5	1284.2	1245.4	1197.4	943.0
80°	603.3	611.1	701.0	843.7	946.1	1009.7	1073.3	1095.0	1040.7	992.6	769.3
82.5°	468.4	477.7	558.4	684.0	786.3	849.9	902.7	907.3	843.7	800.3	612.6
85°	352.1	361.4	429.6	541.3	637.5	704.1	736.7	733.6	663.8	628.1	474.6
87.5°	273.0	271.4	327.3	415.7	505.6	558.4	583.2	563.0	514.9	483.9	364.5
90°	203.2	209.4	252.8	324.2	393.9	438.9	459.1	435.8	395.5	370.7	280.7
92.5°	156.6	159.8	198.5	252.8	311.7	350.5	364.5	338.1	299.3	285.4	215.6
95°	122.5	125.6	153.5	198.5	242.0	271.4	279.2	259.0	228.0	217.1	167.5
97.5°	99.3	100.8	121.0	158.2	192.3	215.6	218.7	198.5	178.4	166.0	131.8
100°	79.1	79.1	97.7	125.6	152.0	170.6	169.1	156.6	139.6	130.3	102.4
102.5°	65.1	65.1	79.1	103.9	124.1	138.0	138.0	122.5	108.6	100.8	80.7
105°	54.3	54.3	65.1	83.8	102.4	113.2	111.7	99.3	85.3	79.1	63.6
107.5°	46.5	46.5	54.3	69.8	83.8	93.1	91.5	79.1	68.2	63.6	52.7
110°	40.3	40.3	46.5	58.9	71.3	77.5	76.0	63.6	54.3	51.2	43.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	34.1	35.7	38.8	49.6	60.5	66.7	63.6	52.7	43.4	40.3	37.2
115°	31.0	31.0	34.1	41.9	51.2	55.8	52.7	43.4	35.7	34.1	31.0
117.5°	27.9	27.9	31.0	37.2	45.0	48.1	45.0	35.7	31.0	27.9	26.4
120°	24.8	24.8	26.4	32.6	37.2	40.3	37.2	29.5	24.8	24.8	23.3
122.5°	23.3	23.3	24.8	27.9	32.6	34.1	31.0	24.8	21.7	21.7	21.7
125°	20.2	21.7	21.7	24.8	27.9	29.5	26.4	21.7	18.6	18.6	18.6
127.5°	18.6	18.6	20.2	21.7	23.3	24.8	21.7	18.6	17.1	15.5	17.1
130°	17.1	17.1	17.1	18.6	20.2	20.2	18.6	15.5	14.0	14.0	15.5
132.5°	15.5	15.5	15.5	15.5	17.1	17.1	15.5	12.4	12.4	12.4	14.0
135°	14.0	14.0	14.0	14.0	14.0	14.0	12.4	10.9	10.9	10.9	12.4
137.5°	12.4	12.4	12.4	12.4	10.9	10.9	9.3	9.3	9.3	9.3	10.9
140°	10.9	10.9	10.9	9.3	9.3	7.8	7.8	7.8	7.8	7.8	9.3
142.5°	9.3	9.3	9.3	7.8	6.2	6.2	6.2	6.2	6.2	6.2	7.8
145°	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7	4.7	4.7	6.2
147.5°	6.2	6.2	4.7	4.7	3.1	3.1	3.1	3.1	4.7	4.7	4.7
150°	4.7	4.7	3.1	3.1	3.1	1.6	1.6	3.1	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°	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4	133.4
2.5°	134.9	133.4	131.8	130.3	128.7	128.7	127.2	125.6	125.6	125.6	124.1
5°	139.6	136.5	133.4	130.3	125.6	124.1	121.0	119.4	117.9	116.3	116.3
7.5°	147.3	144.2	138.0	131.8	127.2	122.5	117.9	114.8	113.2	111.7	111.7
10°	159.8	155.1	145.8	138.0	130.3	124.1	119.4	114.8	113.2	111.7	110.1
12.5°	176.8	172.2	159.8	147.3	138.0	128.7	122.5	117.9	114.8	113.2	113.2
15°	201.6	193.9	178.4	162.9	148.9	138.0	130.3	125.6	124.1	122.5	122.5
17.5°	228.0	217.1	200.1	179.9	164.4	150.4	141.1	138.0	134.9	133.4	133.4
20°	259.0	246.6	224.9	200.1	179.9	166.0	155.1	148.9	145.8	144.2	144.2
22.5°	293.1	282.3	251.3	223.3	198.5	183.0	167.5	159.8	156.6	155.1	156.6
25°	333.5	318.0	282.3	248.2	218.7	197.0	181.5	170.6	169.1	167.5	169.1
27.5°	378.4	358.3	316.4	271.4	237.3	210.9	193.9	183.0	181.5	179.9	181.5
30°	426.5	407.9	352.1	299.3	255.9	223.3	204.7	195.4	192.3	193.9	192.3
32.5°	479.3	449.8	387.7	324.2	271.4	232.6	212.5	204.7	204.7	206.3	206.3
35°	536.6	504.1	423.4	347.4	283.8	242.0	220.2	214.0	214.0	217.1	217.1
37.5°	594.0	555.2	459.1	366.0	293.1	246.6	226.4	221.8	221.8	226.4	226.4
40°	656.1	609.5	491.7	383.1	300.9	251.3	229.5	228.0	229.5	234.2	234.2
42.5°	722.8	662.3	521.1	395.5	304.0	252.8	232.6	232.6	235.7	238.9	240.4
45°	792.5	719.7	550.6	403.3	305.5	252.8	234.2	234.2	240.4	243.5	243.5
47.5°	868.5	777.0	573.9	407.9	304.0	251.3	234.2	237.3	242.0	245.1	245.1
50°	950.7	839.1	595.6	407.9	300.9	249.7	234.2	237.3	243.5	245.1	245.1
52.5°	1031.4	899.6	609.5	403.3	296.2	246.6	232.6	237.3	243.5	243.5	243.5
55°	1116.7	957.0	621.9	397.0	290.0	243.5	231.1	237.3	242.0	242.0	242.0
57.5°	1184.9	1003.5	623.5	387.7	283.8	240.4	229.5	235.7	240.4	238.9	238.9
60°	1243.9	1036.1	618.8	375.3	276.1	235.7	228.0	234.2	238.9	235.7	235.7
62.5°	1282.7	1050.0	604.9	361.4	268.3	232.6	226.4	232.6	237.3	234.2	234.2
65°	1284.2	1036.1	578.5	345.9	259.0	228.0	223.3	231.1	235.7	231.1	231.1
67.5°	1248.5	994.2	544.4	327.3	251.3	223.3	220.2	228.0	232.6	228.0	228.0
70°	1172.5	924.4	502.5	308.6	240.4	218.7	217.1	224.9	228.0	223.3	221.8
72.5°	1062.4	831.3	456.0	286.9	229.5	210.9	210.9	218.7	221.8	217.1	215.6
75°	919.7	724.3	404.8	263.7	217.1	203.2	204.7	210.9	214.0	209.4	206.3
77.5°	773.9	615.7	355.2	243.5	204.7	193.9	195.4	203.2	204.7	200.1	197.0
80°	628.1	501.0	305.5	220.2	190.8	184.6	186.1	190.8	192.3	187.7	184.6
82.5°	504.1	407.9	259.0	198.5	176.8	172.2	175.3	178.4	178.4	173.7	170.6
85°	397.0	324.2	220.2	175.3	161.3	159.8	162.9	164.4	162.9	158.2	155.1
87.5°	307.1	257.5	184.6	153.5	145.8	147.3	148.9	148.9	147.3	144.2	139.6
90°	238.9	204.7	155.1	134.9	131.8	133.4	134.9	134.9	131.8	127.2	124.1
92.5°	189.2	166.0	130.3	117.9	117.9	121.0	121.0	121.0	116.3	111.7	110.1
95°	147.3	131.8	110.1	103.9	103.9	107.0	108.6	107.0	102.4	97.7	96.2
97.5°	117.9	107.0	94.6	90.0	93.1	96.2	96.2	93.1	88.4	85.3	83.8
100°	94.6	86.9	79.1	79.1	82.2	85.3	85.3	82.2	77.5	71.3	71.3
102.5°	76.0	72.9	68.2	69.8	71.3	74.4	74.4	71.3	65.1	60.5	60.5
105°	62.0	60.5	58.9	60.5	63.6	65.1	65.1	62.0	55.8	51.2	51.2
107.5°	51.2	49.6	49.6	52.7	55.8	57.4	57.4	52.7	48.1	43.4	45.0
110°	43.4	41.9	41.9	45.0	48.1	49.6	49.6	46.5	40.3	37.2	38.8

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-T4W-FL

CANDELA DISTRIBUTION (continued):

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