

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: P695428

Luminaire Tested: **LXF.LXT-PA16-50-750-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-750-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5316 lumens
Efficiency: N/A
Efficacy: 100.1 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

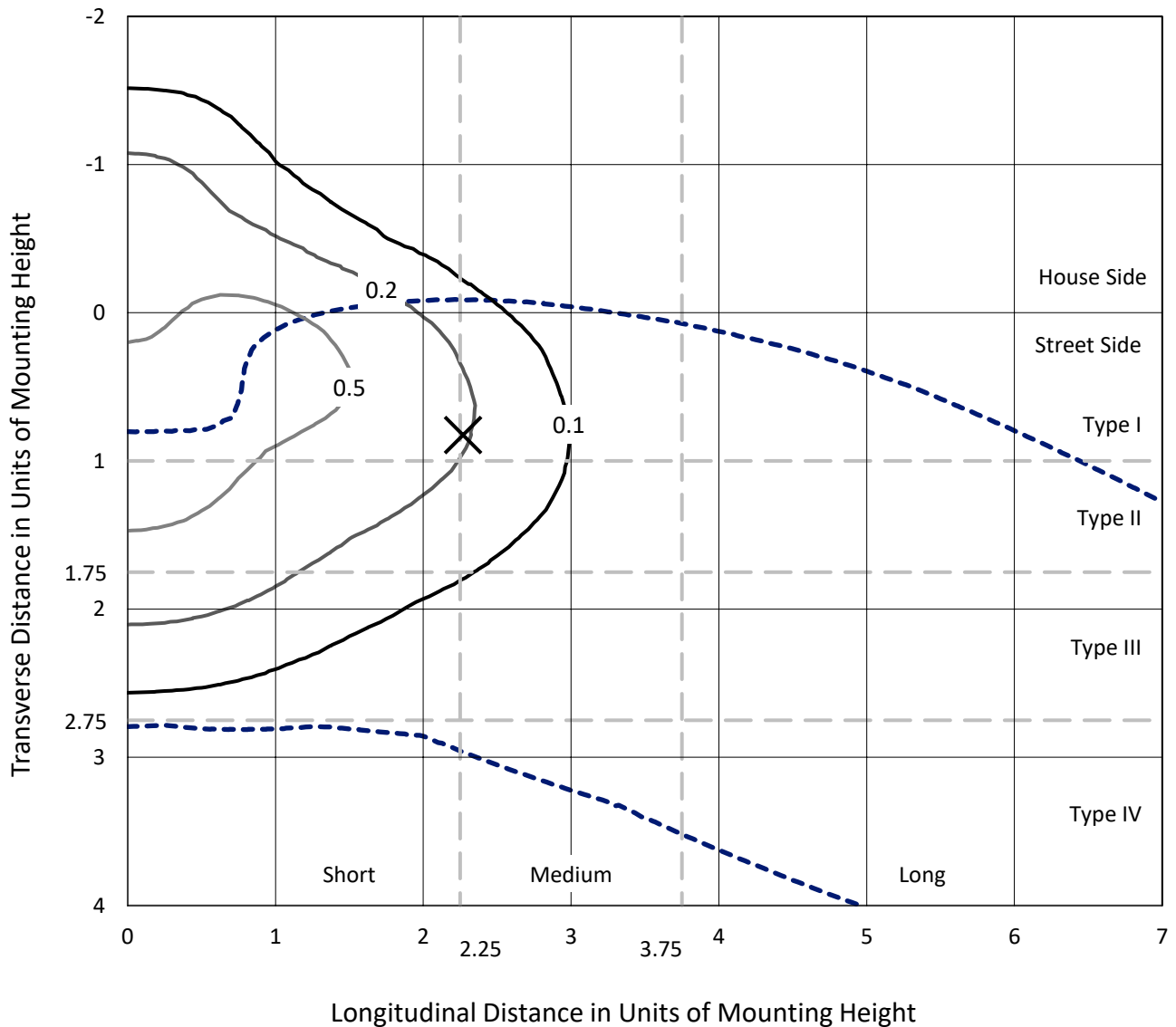
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

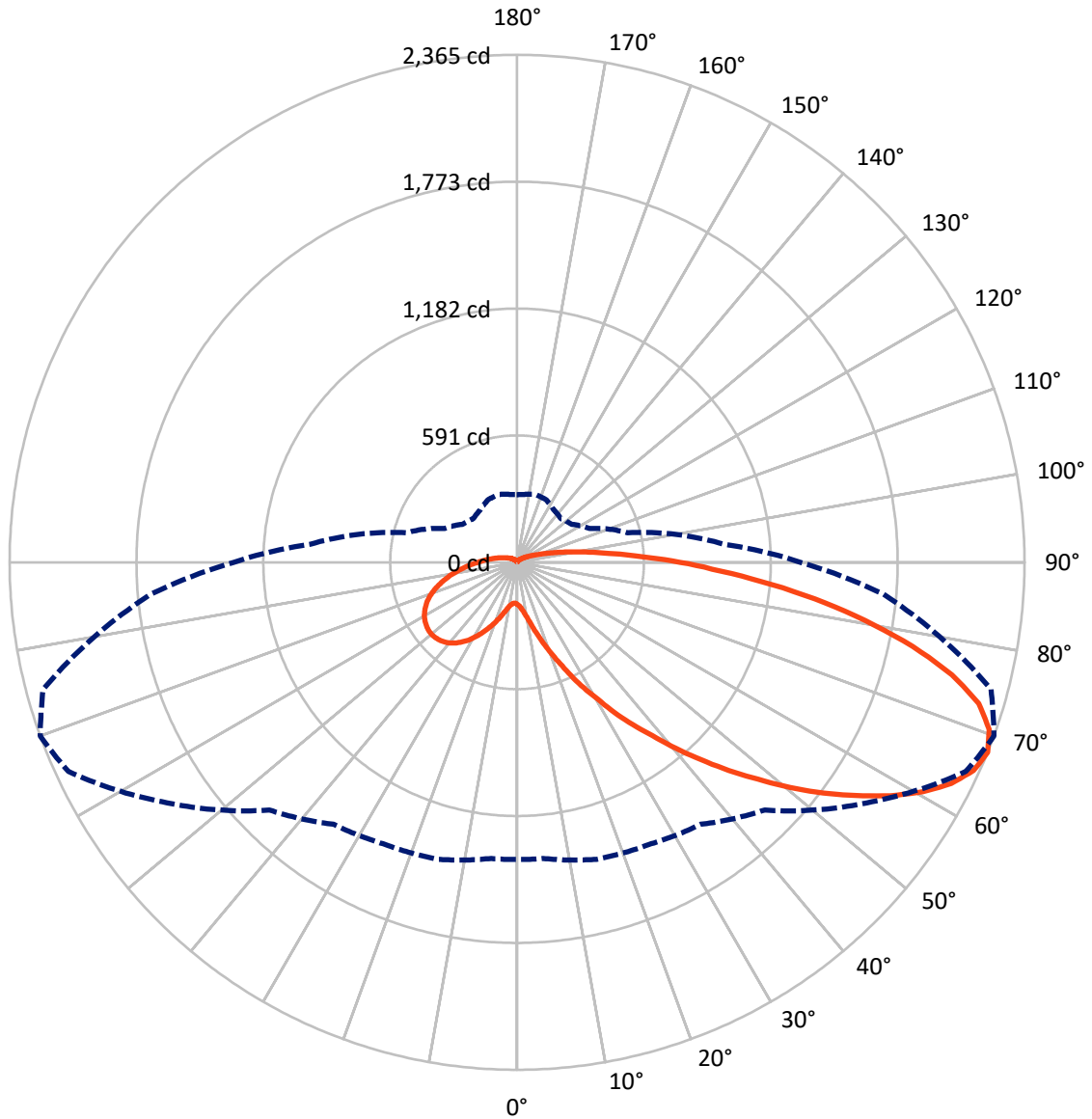
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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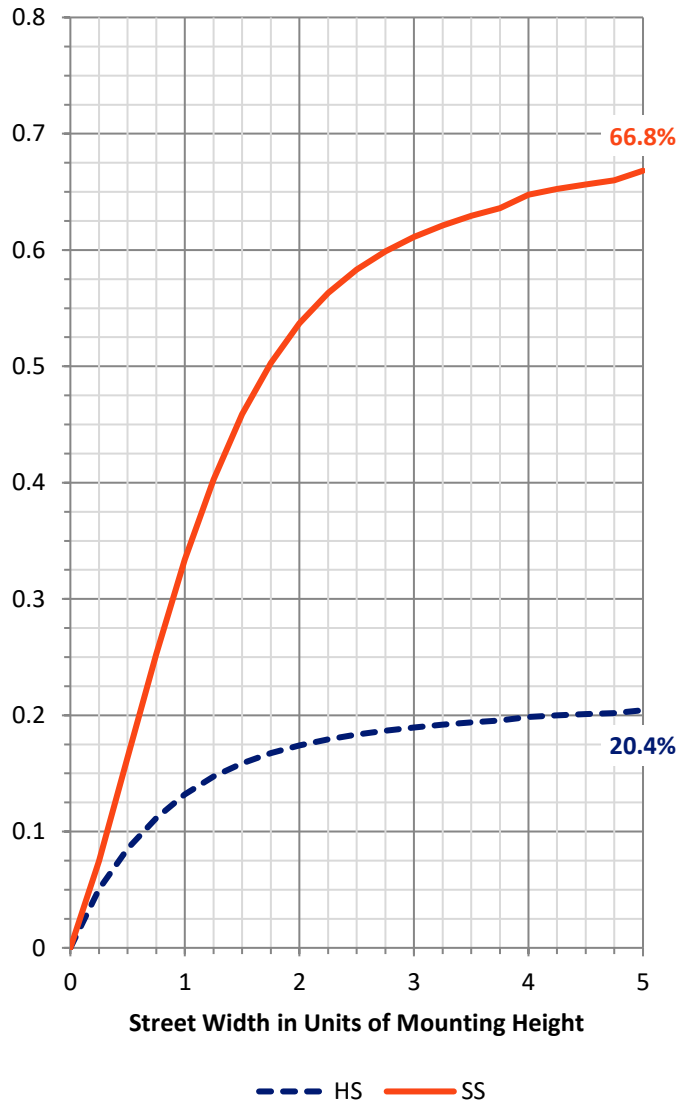
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1146.0	156.0	1302.0
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	3721.9	292.1	4014.0
	% Fixture	70.0	5.5	75.5
Total	Lumens	4867.9	448.1	5316.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.4	0.4
10°-20°	84.1	1.6
20°-30°	212.1	4.0
30°-40°	415.4	7.8
40°-50°	676.3	12.7
50°-60°	947.6	17.8
60°-70°	1087.0	20.4
70°-80°	904.7	17.0
80°-90°	520.3	9.8
90°-100°	238.7	4.5
100°-110°	109.3	2.1
110°-120°	53.7	1.0
120°-130°	27.8	0.5
130°-140°	13.5	0.3
140°-150°	5.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4867.9	91.6
0°-180°	5316.0	100.0

Coefficient of Utilization

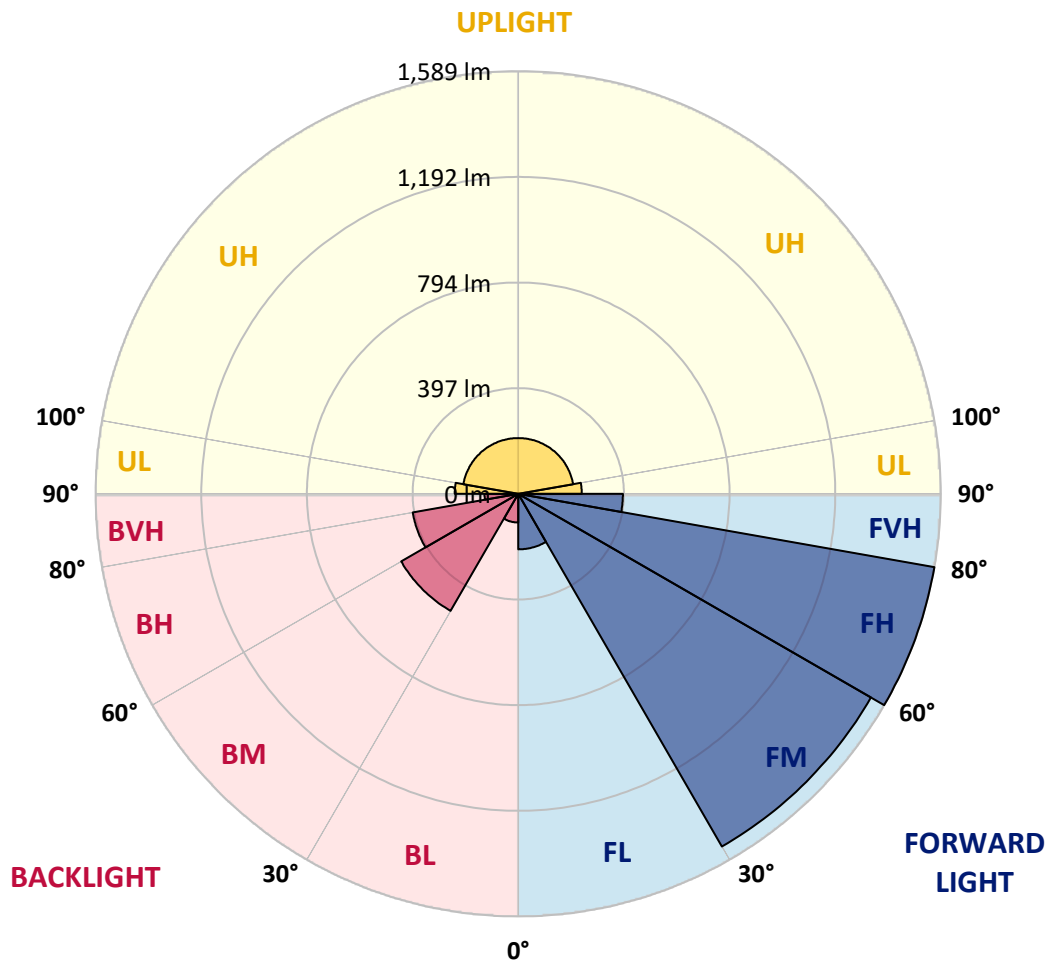


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.7	3.9			
FM (30°-60°)	1531.1	28.8			
FH (60°-80°)	1588.7	29.9			G1/1800
FVH (80°-90°)	393.4	7.4			G3/500
BL (0°-30°)	107.9	2.0	B0/110		
BM (30°-60°)	508.2	9.6	B1/1000		
BH (60°-80°)	403.0	7.6	B1/500		G1/500
BVH (80°-90°)	126.9	2.4			G2/225
UL (90°-100°)	238.7	4.5		U3/500	
UH (100°-180°)	209.5	3.9		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°	70°	75°	85°
0°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	214.0	214.0	214.0	212.0	212.0	207.8	207.8	203.7	203.7	201.7	197.6
5°	240.8	240.8	238.7	238.7	234.6	230.5	226.4	220.2	216.1	214.0	207.8
7.5°	271.6	271.6	269.6	265.5	263.4	257.2	249.0	240.8	236.7	232.5	222.2
10°	308.7	308.7	304.6	302.5	298.4	290.2	281.9	269.6	263.4	257.2	242.8
12.5°	351.9	347.8	347.8	341.6	335.4	329.3	319.0	304.6	298.4	290.2	271.6
15°	397.2	397.2	397.2	391.0	382.8	372.5	364.2	349.8	345.7	333.4	312.8
17.5°	450.7	454.8	448.6	440.4	436.3	426.0	415.7	405.4	395.1	382.8	356.0
20°	516.5	514.5	508.3	500.1	493.9	483.6	477.4	458.9	450.7	438.3	399.2
22.5°	580.3	582.4	576.2	563.8	555.6	549.4	539.2	524.7	512.4	498.0	454.8
25°	664.7	662.6	648.2	629.7	621.5	613.2	607.1	592.7	584.4	572.1	516.5
27.5°	749.1	740.8	730.5	714.1	693.5	679.1	675.0	668.8	662.6	642.0	580.3
30°	837.5	829.3	817.0	790.2	761.4	744.9	744.9	753.2	738.8	722.3	652.3
32.5°	932.2	921.9	905.4	872.5	833.4	814.9	823.1	837.5	835.5	810.8	724.4
35°	1026.9	1024.8	1000.1	959.0	909.6	886.9	899.3	928.1	928.1	909.6	802.6
37.5°	1119.5	1121.5	1098.9	1047.4	983.6	959.0	977.5	1024.8	1024.8	1010.4	878.7
40°	1236.8	1232.6	1191.5	1131.8	1061.8	1031.0	1068.0	1129.8	1140.0	1113.3	963.1
42.5°	1337.6	1329.4	1296.4	1222.4	1138.0	1100.9	1152.4	1236.8	1257.3	1226.5	1049.5
45°	1440.5	1430.2	1391.1	1308.8	1214.1	1170.9	1242.9	1356.1	1382.9	1354.1	1140.0
47.5°	1537.2	1526.9	1491.9	1393.2	1294.4	1255.3	1335.5	1477.5	1510.5	1485.8	1228.5
50°	1625.7	1623.6	1580.4	1477.5	1364.3	1327.3	1432.3	1605.1	1648.3	1611.3	1319.1
52.5°	1701.8	1693.6	1652.4	1553.7	1434.3	1405.5	1531.0	1738.9	1786.2	1749.2	1409.6
55°	1749.2	1745.0	1708.0	1611.3	1498.1	1477.5	1629.8	1860.3	1917.9	1885.0	1494.0
57.5°	1771.8	1765.6	1734.8	1648.3	1545.4	1543.4	1720.4	1985.8	2051.7	2008.5	1580.4
60°	1749.2	1745.0	1724.5	1658.6	1576.3	1594.8	1815.0	2101.1	2171.0	2123.7	1648.3
62.5°	1673.0	1673.0	1671.0	1631.9	1582.5	1638.0	1889.1	2199.8	2269.8	2212.2	1697.7
65°	1553.7	1559.8	1572.2	1564.0	1555.7	1652.4	1938.5	2273.9	2337.7	2269.8	1724.5
67.5°	1384.9	1384.9	1432.3	1450.8	1489.9	1631.9	1961.1	2306.8	2364.5	2286.3	1714.2
70°	1197.7	1197.7	1251.2	1304.7	1391.1	1578.4	1936.4	2288.3	2333.6	2247.2	1668.9
72.5°	1002.2	1004.2	1068.0	1142.1	1261.5	1485.8	1870.6	2208.1	2249.2	2146.3	1578.4
75°	810.8	827.3	880.8	977.5	1115.3	1362.3	1747.1	2068.1	2092.8	1994.0	1450.8
77.5°	642.0	662.6	726.4	821.1	965.1	1205.9	1580.4	1880.9	1885.0	1790.3	1296.4
80°	508.3	522.7	588.5	677.0	817.0	1047.4	1382.9	1648.3	1644.2	1551.6	1111.2
82.5°	401.3	411.6	463.0	549.4	683.2	897.2	1187.4	1382.9	1397.3	1306.7	932.2
85°	308.7	321.0	368.4	444.5	563.8	747.0	981.6	1133.9	1140.0	1059.8	767.6
87.5°	236.7	249.0	292.2	364.2	465.1	613.2	800.5	919.9	909.6	845.8	607.1
90°	183.1	189.3	232.5	292.2	380.7	506.2	644.1	722.3	722.3	660.6	485.7
92.5°	146.1	148.2	187.3	240.8	314.8	411.6	518.6	568.0	553.6	518.6	382.8
95°	115.2	119.4	150.2	197.6	259.3	337.5	409.5	444.5	432.1	399.2	300.4
97.5°	92.6	96.7	123.5	164.6	216.1	275.8	329.3	345.7	339.5	316.9	238.7
100°	76.1	78.2	100.8	139.9	181.1	228.4	263.4	273.7	261.3	246.9	187.3
102.5°	63.8	65.9	86.4	117.3	154.3	187.3	214.0	218.1	207.8	191.4	150.2
105°	53.5	55.6	72.0	100.8	129.6	158.5	174.9	172.9	162.6	150.2	121.4
107.5°	47.3	47.3	61.7	86.4	113.2	131.7	144.0	139.9	129.6	117.3	98.8
110°	41.2	41.2	51.4	74.1	96.7	113.2	119.4	113.2	102.9	94.7	80.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	37.0	37.0	45.3	63.8	82.3	96.7	98.8	90.5	84.4	78.2	65.9
115°	32.9	35.0	39.1	53.5	70.0	82.3	82.3	76.1	70.0	63.8	57.6
117.5°	30.9	30.9	35.0	47.3	61.7	70.0	70.0	63.8	57.6	53.5	49.4
120°	28.8	28.8	32.9	41.2	53.5	59.7	59.7	53.5	49.4	45.3	43.2
122.5°	26.8	26.8	28.8	35.0	45.3	51.4	51.4	45.3	41.2	39.1	37.0
125°	24.7	24.7	26.8	30.9	39.1	43.2	43.2	37.0	35.0	32.9	32.9
127.5°	22.6	22.6	24.7	26.8	32.9	37.0	35.0	30.9	28.8	28.8	28.8
130°	20.6	20.6	22.6	24.7	28.8	30.9	28.8	26.8	24.7	24.7	24.7
132.5°	20.6	20.6	20.6	20.6	22.6	24.7	24.7	22.6	20.6	22.6	22.6
135°	18.5	18.5	18.5	18.5	18.5	20.6	18.5	18.5	18.5	18.5	18.5
137.5°	16.5	16.5	16.5	16.5	16.5	16.5	14.4	14.4	14.4	16.5	16.5
140°	14.4	14.4	14.4	12.3	12.3	12.3	12.3	12.3	12.3	12.3	14.4
142.5°	12.3	12.3	12.3	10.3	10.3	8.2	8.2	8.2	10.3	10.3	12.3
145°	10.3	10.3	10.3	8.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	8.2	8.2	8.2	6.2	4.1	4.1	4.1	4.1	6.2	6.2	6.2
150°	6.2	6.2	6.2	4.1	4.1	2.1	2.1	4.1	4.1	4.1	4.1
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°	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5	195.5
2.5°	197.6	195.5	193.4	189.3	187.3	187.3	187.3	185.2	185.2	183.1	183.1
5°	203.7	201.7	193.4	187.3	183.1	179.0	174.9	172.9	170.8	168.7	168.7
7.5°	216.1	212.0	201.7	191.4	183.1	174.9	168.7	164.6	162.6	160.5	160.5
10°	234.6	228.4	212.0	197.6	185.2	174.9	166.7	162.6	158.5	156.4	156.4
12.5°	261.3	253.1	230.5	209.9	193.4	179.0	170.8	164.6	160.5	158.5	158.5
15°	298.4	284.0	255.2	228.4	205.8	187.3	177.0	172.9	170.8	170.8	170.8
17.5°	337.5	316.9	284.0	249.0	222.2	201.7	191.4	187.3	185.2	185.2	185.2
20°	380.7	358.1	312.8	271.6	238.7	220.2	207.8	203.7	201.7	201.7	201.7
22.5°	428.0	403.3	343.7	292.2	259.3	238.7	226.4	220.2	222.2	222.2	222.2
25°	481.5	446.6	376.6	316.9	277.8	257.2	244.9	238.7	242.8	244.9	244.9
27.5°	541.2	493.9	407.5	339.5	298.4	273.7	263.4	259.3	265.5	267.5	269.6
30°	598.8	545.3	438.3	364.2	314.8	290.2	279.9	281.9	286.0	290.2	294.3
32.5°	662.6	592.7	471.2	384.8	331.3	302.5	296.3	302.5	310.7	314.8	316.9
35°	724.4	642.0	495.9	403.3	343.7	314.8	310.7	321.0	331.3	339.5	339.5
37.5°	786.1	687.3	522.7	417.7	353.9	323.1	323.1	337.5	349.8	360.1	360.1
40°	849.9	736.7	545.3	430.1	362.2	331.3	333.4	351.9	368.4	374.5	376.6
42.5°	915.7	777.9	563.8	438.3	366.3	337.5	341.6	364.2	380.7	386.9	388.9
45°	979.5	821.1	578.3	442.4	370.4	339.5	345.7	372.5	388.9	395.1	395.1
47.5°	1039.2	858.1	588.5	444.5	370.4	339.5	349.8	376.6	395.1	397.2	397.2
50°	1103.0	895.2	596.8	444.5	368.4	339.5	349.8	378.6	395.1	395.1	395.1
52.5°	1164.7	928.1	600.9	440.4	364.2	337.5	347.8	376.6	393.0	388.9	388.9
55°	1222.4	954.8	598.8	434.2	358.1	331.3	343.7	372.5	386.9	380.7	380.7
57.5°	1269.7	977.5	594.7	426.0	351.9	325.1	337.5	366.3	378.6	370.4	368.4
60°	1310.8	991.9	586.5	415.7	341.6	316.9	331.3	358.1	368.4	358.1	356.0
62.5°	1333.5	998.1	574.1	401.3	333.4	308.7	321.0	347.8	356.0	343.7	343.7
65°	1341.7	989.8	555.6	386.9	321.0	300.4	310.7	335.4	341.6	331.3	329.3
67.5°	1321.1	967.2	533.0	372.5	308.7	288.1	298.4	321.0	327.2	316.9	314.8
70°	1277.9	924.0	504.2	351.9	294.3	275.8	284.0	302.5	310.7	302.5	300.4
72.5°	1197.7	870.5	471.2	331.3	277.8	261.3	269.6	286.0	294.3	286.0	284.0
75°	1103.0	800.5	434.2	308.7	261.3	246.9	253.1	265.5	273.7	269.6	265.5
77.5°	977.5	716.1	395.1	286.0	244.9	230.5	234.6	246.9	253.1	249.0	249.0
80°	845.8	623.5	356.0	261.3	228.4	216.1	216.1	226.4	232.5	230.5	226.4
82.5°	718.2	533.0	314.8	236.7	207.8	197.6	199.6	203.7	212.0	207.8	205.8
85°	590.6	452.7	275.8	214.0	189.3	181.1	181.1	183.1	189.3	187.3	185.2
87.5°	483.6	372.5	240.8	189.3	170.8	164.6	160.5	164.6	164.6	164.6	160.5
90°	393.0	308.7	207.8	168.7	156.4	148.2	144.0	144.0	144.0	142.0	139.9
92.5°	312.8	255.2	181.1	150.2	139.9	133.8	129.6	127.6	125.5	121.4	121.4
95°	257.2	209.9	156.4	131.7	125.5	119.4	115.2	113.2	109.1	104.9	102.9
97.5°	203.7	174.9	133.8	117.3	111.1	107.0	102.9	98.8	92.6	88.5	86.4
100°	162.6	142.0	115.2	102.9	98.8	94.7	90.5	86.4	80.3	74.1	72.0
102.5°	133.8	119.4	98.8	92.6	88.5	84.4	82.3	76.1	67.9	61.7	61.7
105°	109.1	98.8	86.4	80.3	78.2	76.1	72.0	65.9	57.6	51.4	51.4
107.5°	90.5	84.4	74.1	72.0	70.0	67.9	63.8	57.6	49.4	43.2	43.2
110°	76.1	70.0	63.8	61.7	61.7	59.7	57.6	49.4	43.2	37.0	37.0

REPORT NUMBER: P695428
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	63.8	59.7	57.6	55.6	55.6	53.5	51.4	43.2	37.0	32.9	32.9
115°	53.5	51.4	49.4	49.4	49.4	47.3	45.3	39.1	30.9	28.8	28.8
117.5°	47.3	45.3	43.2	43.2	43.2	43.2	39.1	32.9	26.8	24.7	24.7
120°	41.2	41.2	39.1	39.1	39.1	37.0	35.0	28.8	22.6	22.6	22.6
122.5°	37.0	35.0	35.0	35.0	35.0	32.9	28.8	24.7	20.6	20.6	20.6
125°	32.9	30.9	30.9	30.9	30.9	28.8	24.7	20.6	18.5	18.5	18.5
127.5°	28.8	28.8	26.8	26.8	26.8	24.7	22.6	18.5	16.5	16.5	16.5
130°	24.7	24.7	24.7	24.7	22.6	20.6	18.5	16.5	14.4	14.4	14.4
132.5°	22.6	22.6	20.6	20.6	20.6	18.5	16.5	14.4	12.3	14.4	14.4
135°	18.5	18.5	18.5	18.5	16.5	14.4	14.4	12.3	12.3	12.3	12.3
137.5°	16.5	16.5	16.5	14.4	14.4	12.3	12.3	10.3	10.3	10.3	12.3
140°	14.4	14.4	12.3	12.3	10.3	10.3	10.3	8.2	10.3	10.3	10.3
142.5°	12.3	12.3	10.3	10.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2
145°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	6.2	6.2	6.2	6.2	4.1	4.1	4.1	6.2	6.2	6.2	6.2
150°	4.1	4.1	4.1	4.1	2.1	2.1	4.1	4.1	6.2	6.2	6.2
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)