

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: P695443

Luminaire Tested: **LXF.LXT-PA16-50-750-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
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-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5559 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

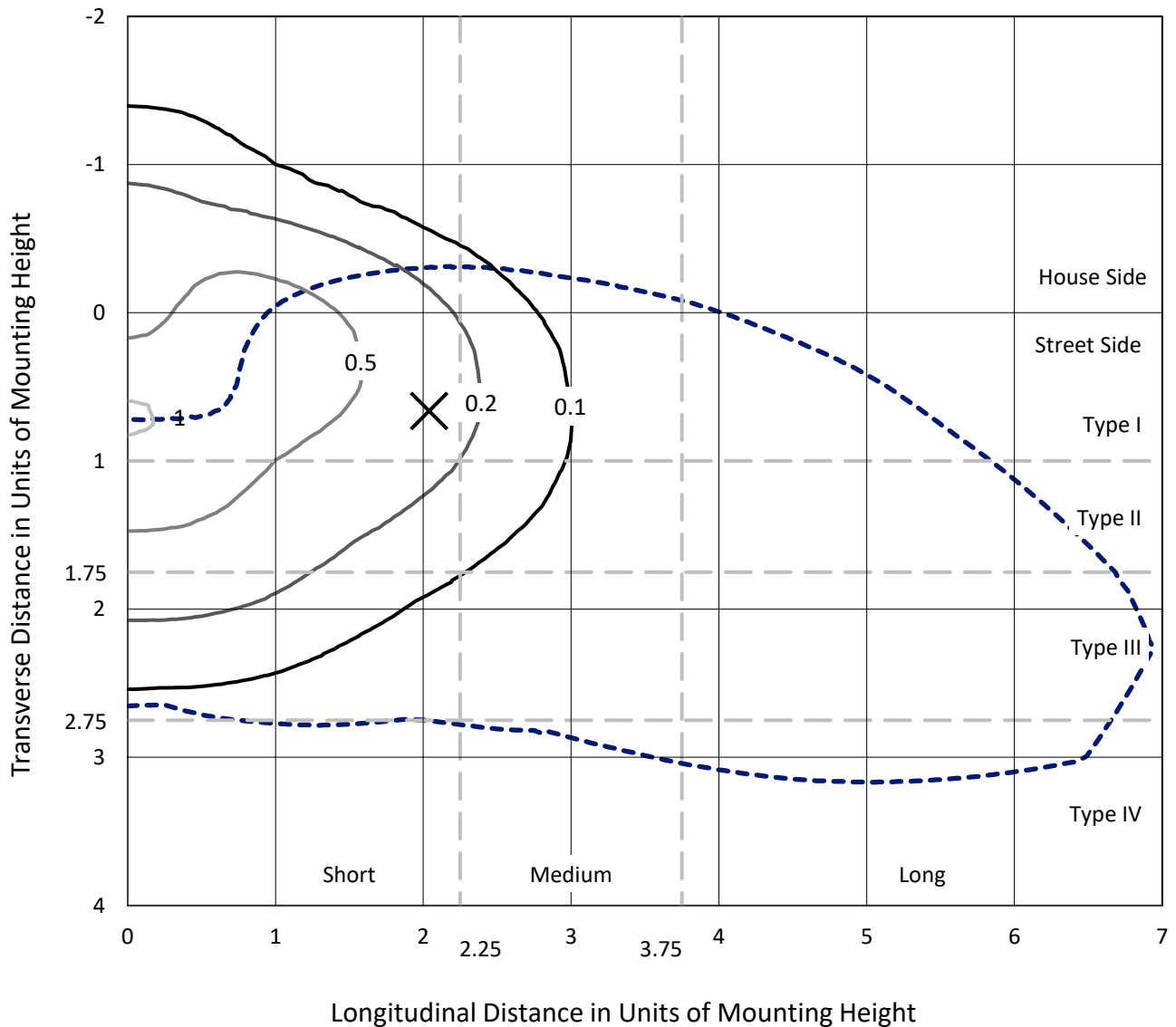
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

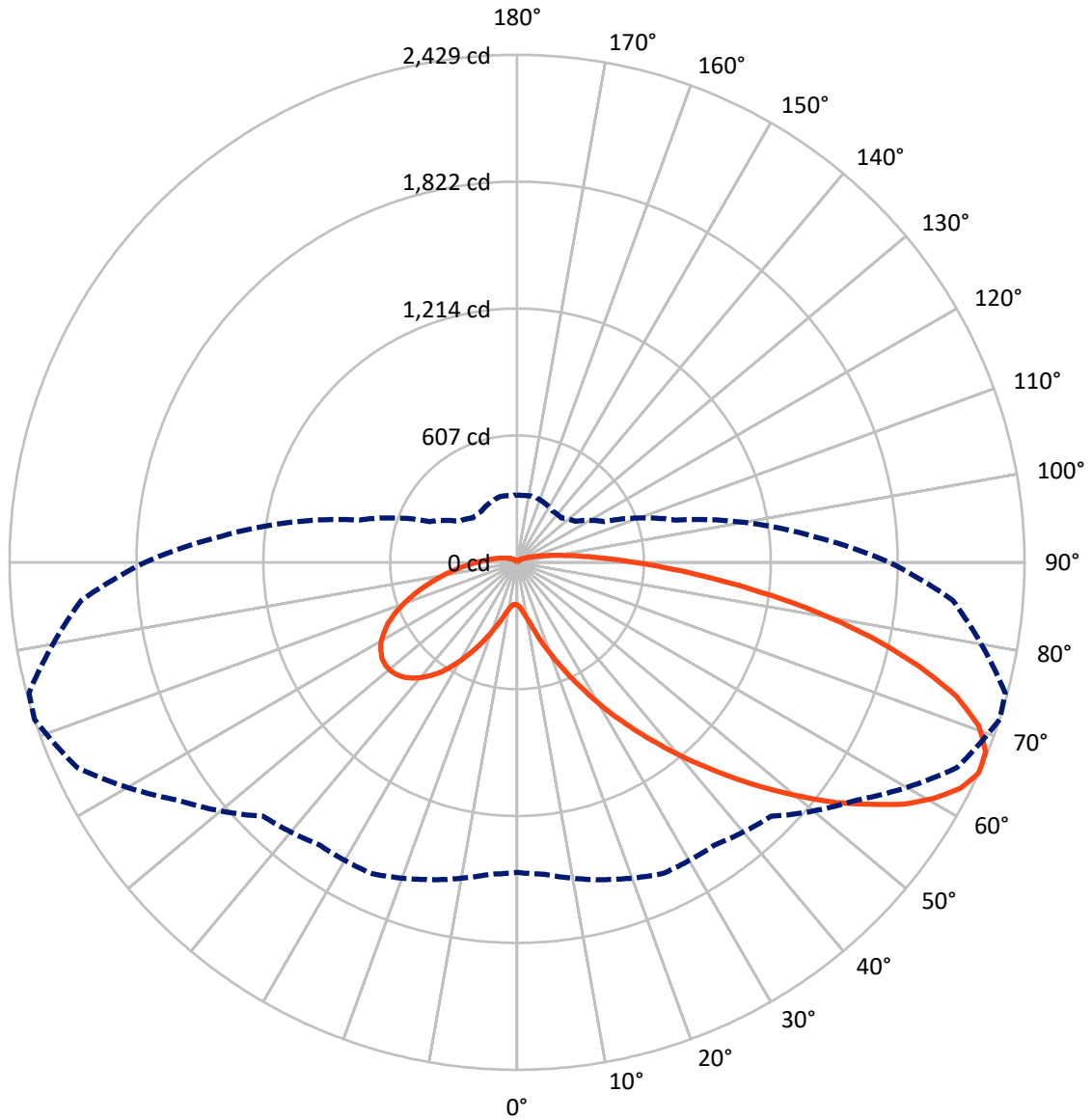
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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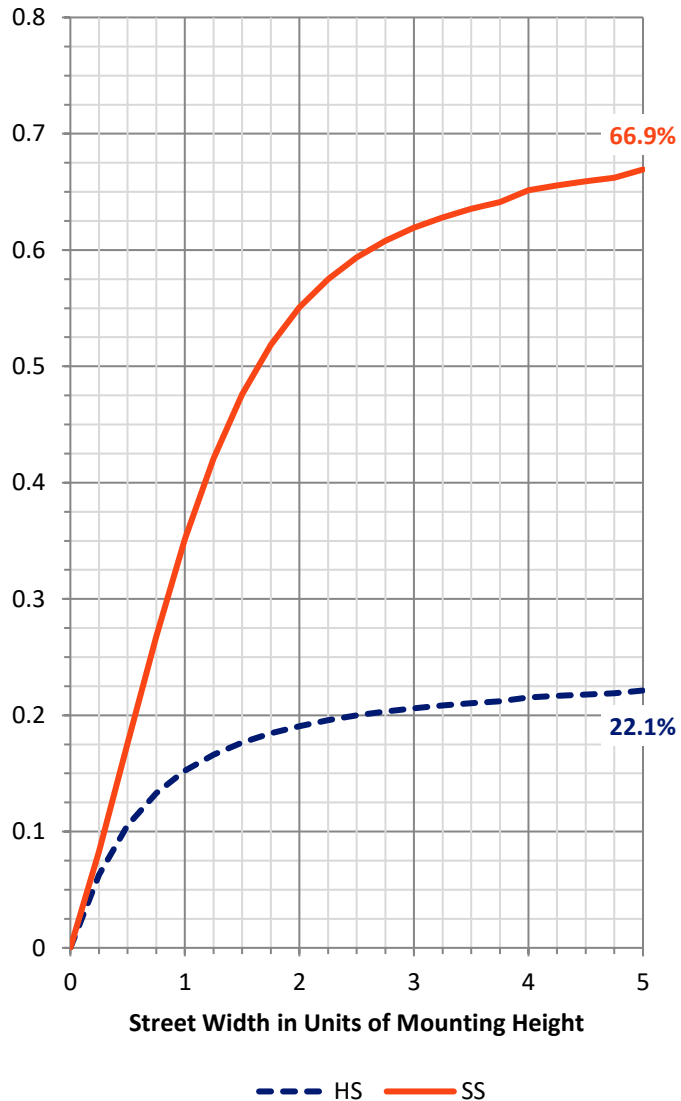
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1299.1	164.3	1463.4
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	3863.1	232.5	4095.6
	% Fixture	69.5	4.2	73.7
Total	Lumens	5162.2	396.8	5559.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.5	0.4
10°-20°	90.4	1.6
20°-30°	232.8	4.2
30°-40°	463.2	8.3
40°-50°	754.0	13.6
50°-60°	1043.8	18.8
60°-70°	1166.1	21.0
70°-80°	912.9	16.4
80°-90°	477.4	8.6
90°-100°	207.7	3.7
100°-110°	95.7	1.7
110°-120°	48.8	0.9
120°-130°	26.2	0.5
130°-140°	13.1	0.2
140°-150°	5.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5162.2	92.9
0°-180°	5559.0	100.0

Coefficient of Utilization



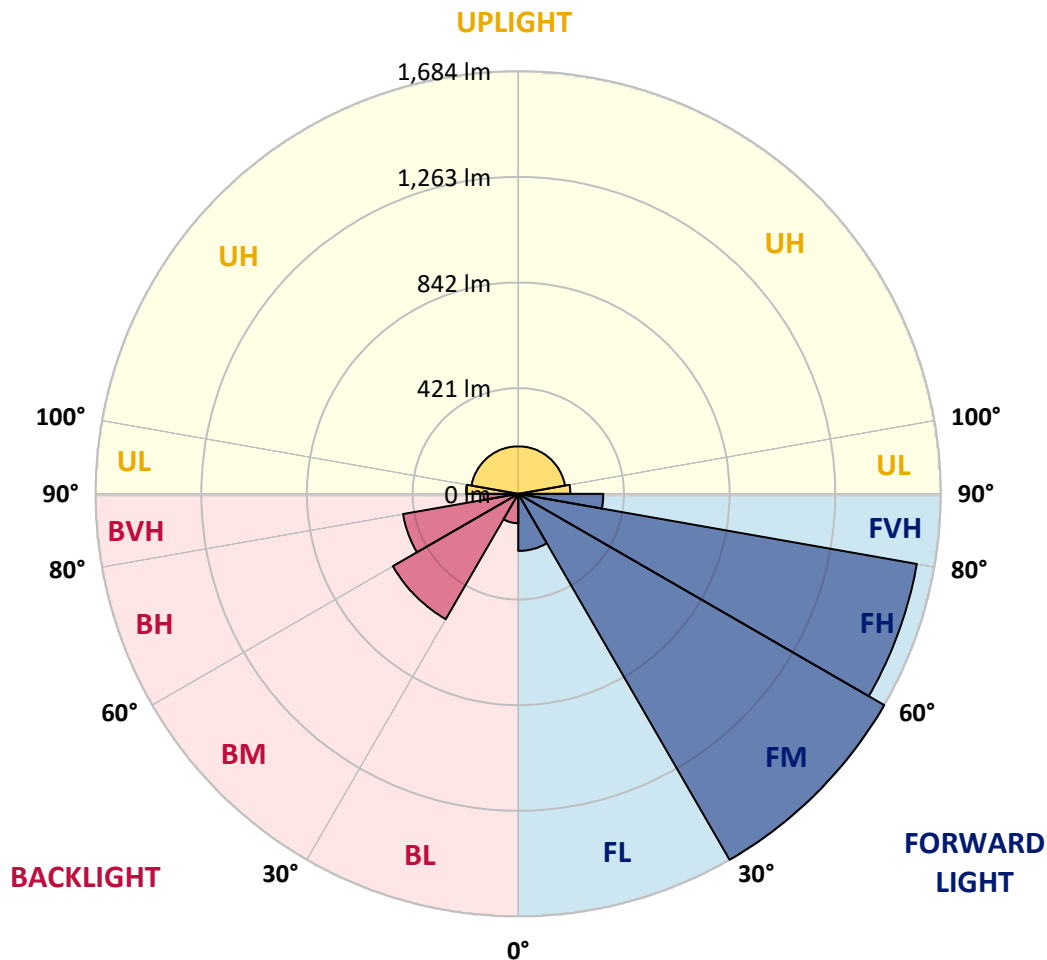
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	227.6	4.1			
FM (30°-60°)	1683.9	30.3			
FH (60°-80°)	1612.7	29.0			G1/1800
FVH (80°-90°)	338.8	6.1			G3/500
BL (0°-30°)	117.2	2.1	B1/500		
BM (30°-60°)	577.0	10.4	B1/1000		
BH (60°-80°)	466.3	8.4	B1/500		G1/500
BVH (80°-90°)	138.6	2.5			G2/225
UL (90°-100°)	207.7	3.7		U3/500	
UH (100°-180°)	189.1	3.4		U3/500	

BUG Rating: B1-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
2.5°	222.3	224.4	224.4	222.3	222.3	220.2	218.2	214.1	212.0	212.0	207.9
5°	251.1	253.2	251.1	249.1	247.0	240.8	238.8	232.6	228.5	226.4	218.2
7.5°	288.2	288.2	286.1	282.0	277.9	273.8	263.5	255.2	249.1	244.9	234.7
10°	327.3	327.3	325.2	323.2	317.0	306.7	296.4	286.1	275.8	273.8	259.4
12.5°	380.8	376.7	372.6	366.4	360.2	349.9	335.5	323.2	312.9	310.8	294.4
15°	434.3	436.4	428.1	417.9	409.6	397.3	384.9	374.6	362.3	358.2	335.5
17.5°	496.1	498.1	492.0	483.7	469.3	457.0	440.5	426.1	417.9	409.6	382.9
20°	572.2	572.2	566.1	549.6	535.2	520.8	506.4	489.9	475.5	469.3	440.5
22.5°	652.5	650.5	642.2	621.6	603.1	584.6	572.2	555.8	545.5	537.2	504.3
25°	749.3	743.1	730.7	706.0	681.3	658.7	640.2	634.0	619.6	611.3	580.5
27.5°	843.9	848.1	827.5	794.5	759.6	736.9	720.4	712.2	701.9	697.8	658.7
30°	961.3	953.0	930.4	889.2	839.8	809.0	800.7	798.7	798.7	790.4	749.3
32.5°	1070.4	1062.1	1037.4	988.0	928.3	889.2	883.1	889.2	893.3	891.3	839.8
35°	1181.5	1173.3	1144.5	1091.0	1010.7	965.4	965.4	990.1	996.3	992.2	940.7
37.5°	1286.5	1282.4	1253.6	1181.5	1105.4	1049.8	1058.0	1097.1	1107.4	1105.4	1039.5
40°	1387.4	1387.4	1358.5	1280.3	1187.7	1132.1	1146.5	1206.2	1226.8	1224.7	1152.7
42.5°	1490.3	1486.2	1459.4	1383.2	1276.2	1214.5	1241.2	1315.3	1348.3	1352.4	1265.9
45°	1578.8	1574.7	1554.1	1469.7	1362.7	1298.9	1338.0	1438.8	1482.0	1480.0	1377.1
47.5°	1655.0	1652.9	1638.5	1560.3	1447.1	1387.4	1442.9	1566.4	1620.0	1620.0	1502.6
50°	1716.7	1718.8	1708.5	1644.7	1525.3	1471.8	1547.9	1696.1	1762.0	1762.0	1622.0
52.5°	1755.8	1759.9	1764.1	1704.4	1599.4	1550.0	1648.8	1832.0	1910.2	1908.1	1743.5
55°	1768.2	1772.3	1792.9	1755.8	1659.1	1622.0	1749.6	1963.7	2044.0	2037.8	1854.6
57.5°	1747.6	1755.8	1790.8	1778.5	1700.2	1679.7	1834.0	2076.9	2184.0	2177.8	1957.5
60°	1696.1	1706.4	1755.8	1770.2	1716.7	1718.8	1912.3	2190.1	2293.1	2288.9	2037.8
62.5°	1605.6	1622.0	1685.8	1724.9	1702.3	1735.2	1963.7	2276.6	2381.6	2375.4	2085.2
65°	1484.1	1498.5	1572.6	1644.7	1650.8	1718.8	1984.3	2323.9	2428.9	2418.6	2093.4
67.5°	1340.0	1333.8	1428.5	1521.2	1558.2	1659.1	1957.5	2317.8	2418.6	2400.1	2041.9
70°	1163.0	1163.0	1259.7	1352.4	1430.6	1566.4	1883.4	2251.9	2344.5	2317.8	1943.1
72.5°	955.1	977.7	1062.1	1171.2	1268.0	1432.6	1768.2	2122.2	2200.4	2169.6	1776.4
75°	782.2	800.7	874.8	983.9	1095.1	1278.3	1597.3	1934.9	1986.4	1955.5	1572.6
77.5°	627.8	636.0	716.3	809.0	924.2	1091.0	1393.5	1700.2	1737.3	1704.4	1342.1
80°	483.7	504.3	559.9	648.4	759.6	922.2	1181.5	1426.5	1461.5	1424.4	1097.1
82.5°	380.8	387.0	438.4	522.8	617.5	755.4	971.6	1158.9	1175.3	1132.1	885.1
85°	294.4	298.5	341.7	413.7	496.1	607.2	776.0	911.9	916.0	891.3	691.6
87.5°	224.4	232.6	271.7	329.3	399.3	496.1	611.3	706.0	699.9	681.3	539.3
90°	177.0	181.1	210.0	261.4	319.1	391.1	477.5	539.3	527.0	518.7	407.6
92.5°	140.0	142.0	172.9	212.0	259.4	317.0	374.6	415.8	399.3	393.2	310.8
95°	111.2	115.3	137.9	172.9	212.0	255.2	294.4	314.9	304.6	294.4	240.8
97.5°	90.6	92.6	113.2	142.0	175.0	207.9	234.7	242.9	232.6	228.5	187.3
100°	76.2	76.2	94.7	119.4	144.1	170.8	187.3	191.4	183.2	172.9	144.1
102.5°	63.8	63.8	78.2	100.9	123.5	142.0	152.3	152.3	142.0	135.9	115.3
105°	53.5	55.6	65.9	86.5	105.0	119.4	127.6	121.4	113.2	109.1	92.6
107.5°	47.3	47.3	57.6	74.1	90.6	100.9	105.0	98.8	90.6	84.4	74.1
110°	43.2	43.2	49.4	63.8	78.2	88.5	88.5	82.3	72.0	67.9	61.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	37.1	39.1	43.2	55.6	67.9	76.2	76.2	67.9	59.7	55.6	51.5
115°	35.0	35.0	39.1	49.4	59.7	65.9	65.9	57.6	49.4	47.3	43.2
117.5°	30.9	30.9	35.0	43.2	51.5	57.6	55.6	49.4	41.2	39.1	37.1
120°	28.8	28.8	30.9	37.1	45.3	49.4	47.3	41.2	35.0	32.9	32.9
122.5°	26.8	26.8	28.8	32.9	41.2	43.2	41.2	35.0	30.9	28.8	30.9
125°	24.7	24.7	26.8	30.9	35.0	37.1	35.0	28.8	26.8	26.8	26.8
127.5°	24.7	24.7	24.7	26.8	30.9	32.9	30.9	24.7	22.6	22.6	24.7
130°	22.6	22.6	22.6	24.7	26.8	28.8	24.7	20.6	20.6	20.6	20.6
132.5°	20.6	20.6	20.6	20.6	22.6	22.6	20.6	18.5	18.5	18.5	18.5
135°	18.5	18.5	18.5	18.5	18.5	18.5	16.5	14.4	16.5	16.5	16.5
137.5°	16.5	16.5	16.5	16.5	16.5	14.4	14.4	12.4	14.4	14.4	14.4
140°	14.4	14.4	14.4	14.4	12.4	12.4	10.3	10.3	10.3	12.4	12.4
142.5°	12.4	12.4	12.4	12.4	10.3	8.2	8.2	8.2	10.3	10.3	10.3
145°	10.3	10.3	10.3	8.2	8.2	6.2	6.2	6.2	8.2	8.2	8.2
147.5°	8.2	8.2	8.2	6.2	6.2	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°	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8	205.8
2.5°	205.8	205.8	201.7	199.7	197.6	195.5	193.5	191.4	191.4	191.4	191.4
5°	216.1	210.0	203.8	197.6	191.4	187.3	181.1	179.1	177.0	175.0	175.0
7.5°	228.5	224.4	212.0	201.7	191.4	183.2	177.0	170.8	166.7	164.7	164.7
10°	251.1	242.9	228.5	212.0	197.6	185.3	175.0	166.7	162.6	160.6	160.6
12.5°	284.1	271.7	251.1	228.5	207.9	191.4	179.1	168.8	162.6	162.6	160.6
15°	323.2	308.8	282.0	253.2	224.4	201.7	187.3	179.1	172.9	170.8	170.8
17.5°	368.5	354.0	319.1	279.9	249.1	220.2	201.7	191.4	185.3	181.1	181.1
20°	424.0	403.4	358.2	312.9	271.7	244.9	218.2	205.8	197.6	193.5	191.4
22.5°	483.7	461.1	405.5	347.9	300.5	265.5	236.7	218.2	207.9	205.8	203.8
25°	555.8	522.8	454.9	384.9	329.3	286.1	253.2	230.5	222.3	218.2	218.2
27.5°	631.9	592.8	508.4	424.0	356.1	302.6	265.5	242.9	234.7	232.6	230.5
30°	712.2	666.9	564.0	467.3	380.8	319.1	279.9	257.3	247.0	244.9	244.9
32.5°	800.7	747.2	619.6	500.2	399.3	329.3	288.2	267.6	257.3	257.3	257.3
35°	887.2	825.4	677.2	535.2	415.8	337.6	296.4	277.9	267.6	269.7	269.7
37.5°	979.8	911.9	726.6	559.9	428.1	343.8	300.5	286.1	279.9	279.9	279.9
40°	1080.7	983.9	771.9	578.4	432.3	345.8	304.6	292.3	288.2	288.2	290.2
42.5°	1177.4	1068.3	811.0	592.8	434.3	345.8	306.7	298.5	296.4	296.4	296.4
45°	1274.2	1142.4	846.0	596.9	432.3	343.8	308.8	302.6	302.6	302.6	302.6
47.5°	1379.1	1216.5	870.7	594.9	426.1	339.6	308.8	304.6	308.8	306.7	306.7
50°	1471.8	1286.5	887.2	588.7	417.9	335.5	306.7	308.8	312.9	310.8	310.8
52.5°	1568.5	1348.3	895.4	574.3	405.5	329.3	306.7	310.8	314.9	312.9	312.9
55°	1655.0	1401.8	895.4	557.8	395.2	325.2	306.7	312.9	319.1	317.0	317.0
57.5°	1724.9	1438.8	881.0	535.2	380.8	319.1	304.6	312.9	321.1	319.1	319.1
60°	1778.5	1459.4	860.4	512.5	368.5	312.9	302.6	312.9	323.2	319.1	321.1
62.5°	1801.1	1457.3	823.4	485.8	356.1	306.7	300.5	312.9	323.2	321.1	321.1
65°	1780.5	1422.4	782.2	461.1	341.7	300.5	298.5	312.9	325.2	321.1	321.1
67.5°	1720.8	1354.4	728.7	430.2	327.3	294.4	294.4	310.8	323.2	319.1	319.1
70°	1611.7	1255.6	666.9	403.4	312.9	286.1	288.2	304.6	317.0	317.0	314.9
72.5°	1465.6	1128.0	599.0	372.6	298.5	275.8	279.9	298.5	308.8	308.8	306.7
75°	1294.7	979.8	531.1	343.8	282.0	265.5	269.7	286.1	298.5	296.4	294.4
77.5°	1091.0	829.5	465.2	312.9	263.5	251.1	257.3	273.8	284.1	279.9	277.9
80°	903.6	697.8	405.5	282.0	244.9	236.7	242.9	255.2	263.5	261.4	259.4
82.5°	722.5	564.0	343.8	253.2	226.4	220.2	226.4	236.7	242.9	240.8	236.7
85°	561.9	457.0	294.4	224.4	205.8	201.7	207.9	216.1	220.2	216.1	214.1
87.5°	442.6	358.2	244.9	197.6	185.3	183.2	187.3	195.5	199.7	195.5	189.4
90°	345.8	288.2	207.9	175.0	166.7	166.7	168.8	175.0	175.0	170.8	168.8
92.5°	269.7	230.5	175.0	152.3	148.2	148.2	152.3	154.4	154.4	148.2	146.1
95°	212.0	185.3	148.2	133.8	131.7	131.7	135.9	135.9	133.8	127.6	125.6
97.5°	166.7	150.3	127.6	117.3	115.3	117.3	119.4	119.4	115.3	109.1	107.0
100°	133.8	123.5	107.0	102.9	102.9	105.0	105.0	102.9	98.8	92.6	92.6
102.5°	109.1	100.9	92.6	90.6	90.6	92.6	92.6	90.6	86.5	78.2	78.2
105°	88.5	82.3	78.2	78.2	80.3	80.3	80.3	78.2	72.0	65.9	65.9
107.5°	72.0	70.0	67.9	67.9	70.0	72.0	72.0	67.9	61.8	57.6	57.6
110°	59.7	59.7	59.7	59.7	61.8	63.8	63.8	59.7	53.5	49.4	49.4

REPORT NUMBER: P695443
 CATALOG NUMBER: LXF.LXT-PA16-50-750-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	51.5	49.4	51.5	53.5	55.6	57.6	55.6	51.5	45.3	43.2	43.2
115°	43.2	43.2	45.3	47.3	49.4	49.4	49.4	45.3	39.1	37.1	37.1
117.5°	39.1	39.1	39.1	41.2	43.2	45.3	43.2	39.1	32.9	32.9	32.9
120°	32.9	32.9	35.0	37.1	39.1	39.1	37.1	32.9	28.8	28.8	28.8
122.5°	30.9	30.9	30.9	32.9	35.0	35.0	32.9	28.8	24.7	26.8	26.8
125°	26.8	26.8	26.8	28.8	30.9	30.9	28.8	24.7	22.6	22.6	22.6
127.5°	24.7	24.7	24.7	24.7	26.8	26.8	24.7	22.6	20.6	20.6	20.6
130°	22.6	22.6	22.6	22.6	22.6	22.6	20.6	18.5	18.5	18.5	18.5
132.5°	18.5	18.5	18.5	18.5	20.6	20.6	18.5	16.5	16.5	16.5	16.5
135°	16.5	16.5	16.5	16.5	16.5	16.5	14.4	14.4	14.4	14.4	14.4
137.5°	14.4	14.4	14.4	14.4	14.4	14.4	12.4	12.4	12.4	12.4	12.4
140°	12.4	12.4	12.4	12.4	12.4	10.3	10.3	10.3	10.3	12.4	12.4
142.5°	10.3	10.3	10.3	10.3	8.2	8.2	8.2	8.2	10.3	10.3	10.3
145°	8.2	8.2	8.2	8.2	6.2	6.2	6.2	8.2	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	8.2	8.2
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)