

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: P695973

Luminaire Tested: **LXF.LXT-PA16-750-U-T2R-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-750-U-T2R-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6848 lumens
Efficiency: N/A
Efficacy: 95.1 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: B2 - U3 - G3

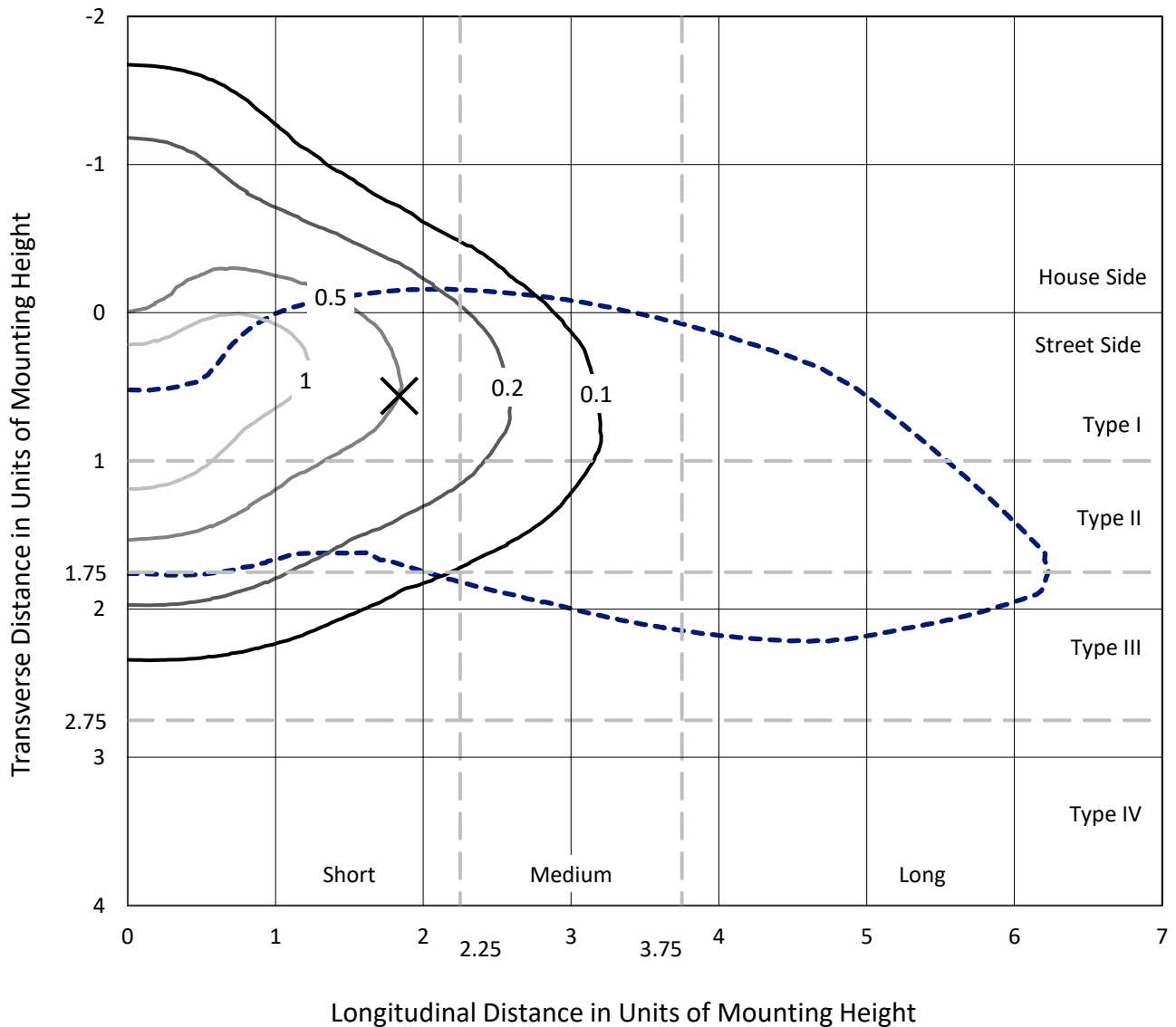
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

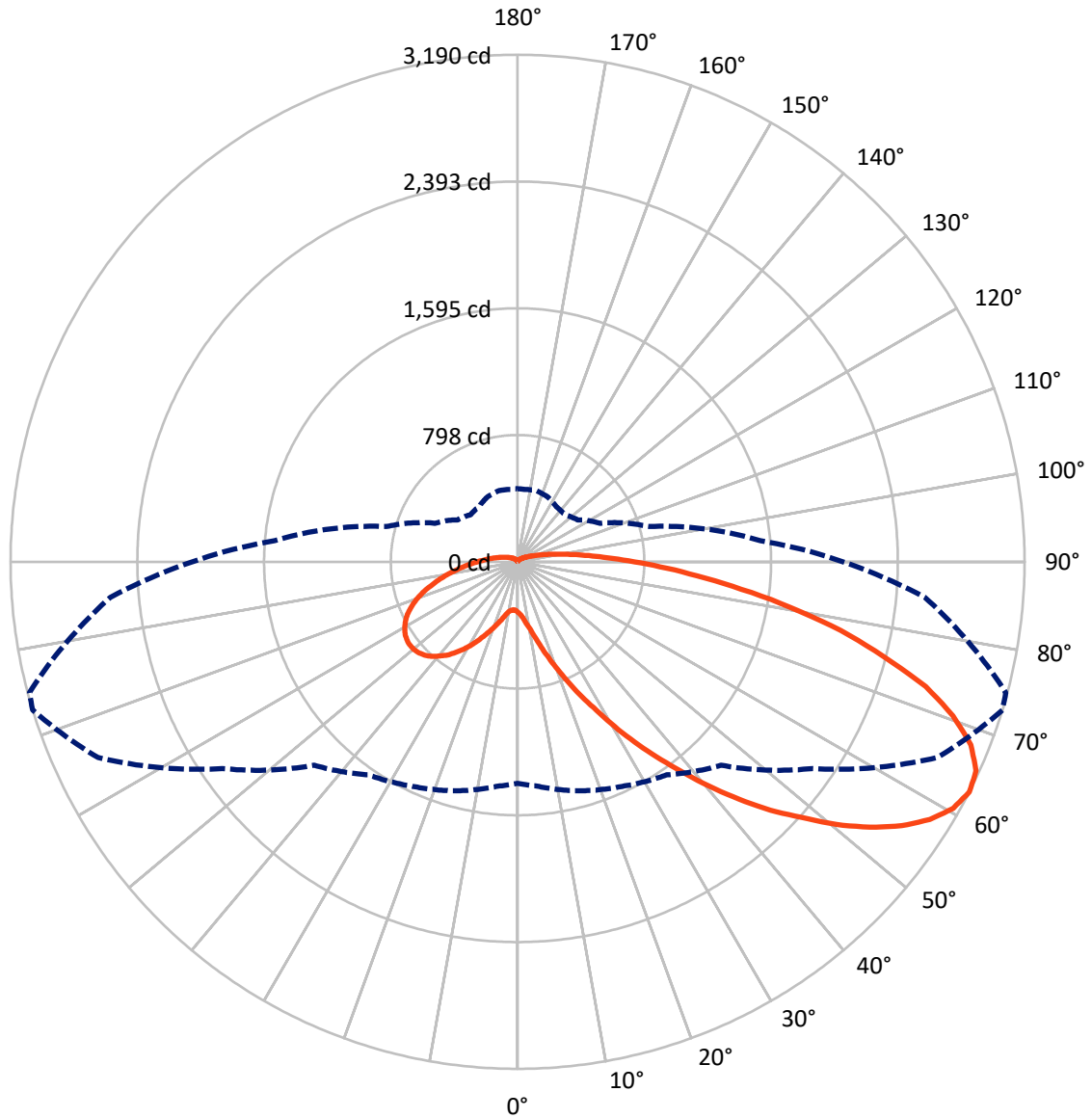
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P695973
CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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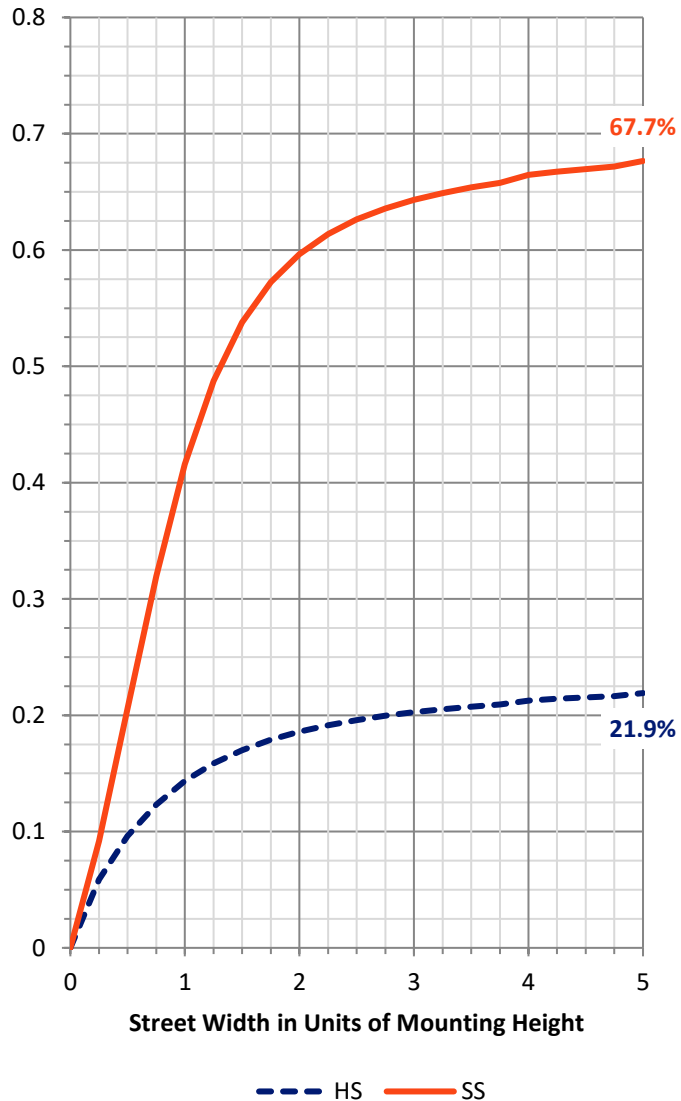
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1584.0	207.1	1791.2
	% Fixture	23.1	3.0	26.2
Street Side	Lumens	4767.4	289.4	5056.8
	% Fixture	69.6	4.2	73.8
Total	Lumens	6351.5	496.5	6848.0
	% Fixture	92.7	7.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.2	0.5
10°-20°	139.5	2.0
20°-30°	360.0	5.3
30°-40°	705.1	10.3
40°-50°	1076.9	15.7
50°-60°	1311.8	19.2
60°-70°	1268.5	18.5
70°-80°	936.9	13.7
80°-90°	519.4	7.6
90°-100°	246.7	3.6
100°-110°	121.5	1.8
110°-120°	65.3	1.0
120°-130°	36.3	0.5
130°-140°	18.9	0.3
140°-150°	7.4	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6351.5	92.7
0°-180°	6848.0	100.0

Coefficient of Utilization



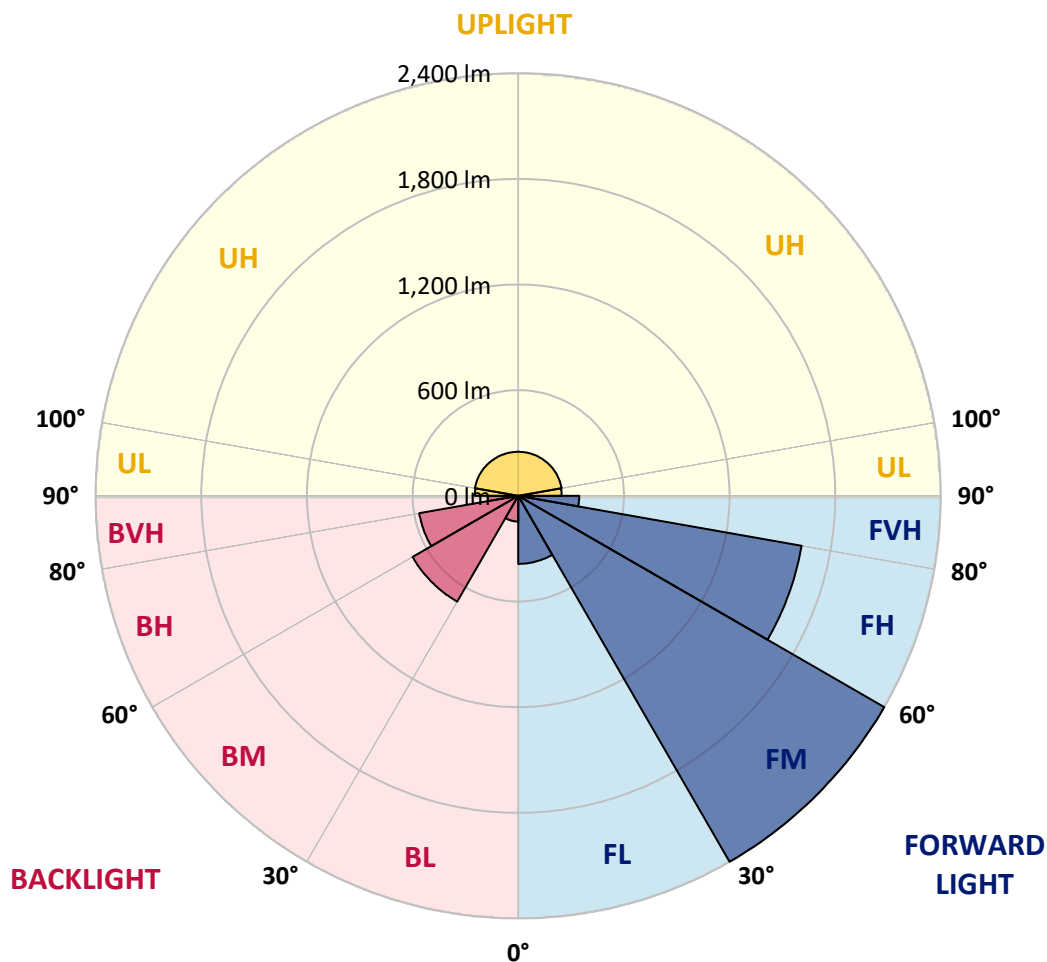
REPORT NUMBER: P695973
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.7	5.6			
FM (30°-60°)	2400.2	35.0			
FH (60°-80°)	1634.6	23.9			G1/1800
FVH (80°-90°)	346.0	5.1			G3/500
BL (0°-30°)	146.1	2.1	B1/500		
BM (30°-60°)	693.6	10.1	B1/1000		
BH (60°-80°)	570.9	8.3	B2/1000		G2/1000
BVH (80°-90°)	173.4	2.5			G2/225
UL (90°-100°)	246.7	3.6		U3/500	
UH (100°-180°)	249.8	3.6		U3/500	

BUG Rating: B2-U3-G3

Type III Short



REPORT NUMBER: P695973
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0
2.5°	359.3	356.8	359.3	356.8	351.6	346.4	341.2	333.5	330.9	328.3	320.6
5°	418.8	421.4	418.8	408.5	403.3	392.9	382.6	367.1	354.2	351.6	336.1
7.5°	491.2	488.6	486.0	478.3	465.3	447.2	429.1	408.5	390.4	385.2	359.3
10°	576.5	568.7	571.3	553.2	537.7	514.4	491.2	460.2	429.1	424.0	390.4
12.5°	674.7	672.1	667.0	643.7	620.4	594.6	558.4	519.6	486.0	475.7	434.3
15°	793.6	783.3	778.1	752.3	721.3	687.7	643.7	597.2	555.8	548.1	488.6
17.5°	925.5	912.6	897.1	863.4	832.4	788.5	736.8	685.1	636.0	625.6	550.6
20°	1062.5	1057.3	1039.2	997.9	951.3	904.8	847.9	785.9	723.8	710.9	625.6
22.5°	1228.0	1222.8	1191.8	1140.1	1083.2	1028.9	964.3	897.1	827.3	806.6	705.8
25°	1408.9	1393.4	1357.2	1292.6	1228.0	1153.0	1088.4	1016.0	941.0	915.2	798.8
27.5°	1592.5	1579.5	1530.4	1458.0	1370.1	1287.4	1215.0	1145.2	1057.3	1044.4	894.5
30°	1773.4	1773.4	1708.8	1626.1	1509.7	1416.7	1346.9	1282.2	1202.1	1184.0	1010.8
32.5°	1954.4	1949.2	1894.9	1783.8	1654.5	1545.9	1478.7	1424.4	1352.0	1318.4	1137.5
35°	2122.4	2119.8	2047.5	1928.5	1786.4	1672.6	1615.7	1579.5	1507.2	1478.7	1264.2
37.5°	2277.5	2267.2	2187.1	2065.6	1892.3	1781.2	1747.6	1745.0	1672.6	1636.4	1398.6
40°	2383.5	2375.8	2306.0	2169.0	1990.6	1882.0	1879.4	1907.9	1856.2	1817.4	1538.2
42.5°	2448.2	2437.8	2380.9	2246.5	2068.1	1967.3	1998.3	2070.7	2042.3	1998.3	1680.4
45°	2463.7	2455.9	2409.4	2285.3	2119.8	2037.1	2104.3	2233.6	2228.4	2187.1	1820.0
47.5°	2424.9	2424.9	2393.9	2290.5	2140.5	2083.7	2207.7	2391.3	2401.6	2380.9	1967.3
50°	2349.9	2344.8	2337.0	2254.3	2132.8	2109.5	2287.9	2551.6	2598.1	2567.1	2119.8
52.5°	2223.2	2220.7	2228.4	2181.9	2094.0	2106.9	2344.8	2688.6	2773.9	2745.5	2249.1
55°	2055.2	2050.0	2083.7	2070.7	2019.0	2075.9	2373.2	2799.7	2931.6	2905.7	2375.8
57.5°	1853.6	1843.2	1907.9	1931.1	1915.6	2016.4	2373.2	2877.3	3058.3	3035.0	2474.0
60°	1620.9	1628.7	1695.9	1760.5	1778.6	1926.0	2334.4	2916.1	3148.7	3133.2	2538.6
62.5°	1393.4	1416.7	1491.6	1558.9	1636.4	1809.6	2267.2	2913.5	3190.1	3179.8	2572.2
65°	1176.3	1202.1	1277.1	1370.1	1465.8	1672.6	2163.8	2851.4	3169.4	3164.3	2556.7
67.5°	974.6	992.7	1070.3	1178.8	1292.6	1520.1	2019.0	2735.1	3076.4	3078.9	2484.4
70°	801.4	811.7	894.5	1003.0	1119.4	1349.5	1845.8	2551.6	2905.7	2913.5	2347.3
72.5°	659.2	677.3	739.4	840.2	964.3	1194.4	1662.3	2329.2	2686.0	2683.4	2163.8
75°	537.7	548.1	612.7	703.2	811.7	1028.9	1463.2	2063.0	2375.8	2396.5	1926.0
77.5°	434.3	442.1	506.7	586.8	692.8	884.1	1259.0	1786.4	2078.5	2073.3	1675.2
80°	351.6	361.9	416.2	488.6	584.2	752.3	1065.1	1496.8	1742.4	1747.6	1393.4
82.5°	281.8	292.1	341.2	405.9	498.9	630.8	894.5	1253.8	1419.3	1419.3	1150.4
85°	224.9	235.3	281.8	338.7	413.6	535.1	734.2	1003.0	1132.3	1140.1	930.7
87.5°	183.5	188.7	230.1	284.4	349.0	449.8	604.9	793.6	897.1	886.7	731.6
90°	147.4	152.5	188.7	235.3	294.7	377.4	493.8	641.1	695.4	692.8	571.3
92.5°	121.5	124.1	157.7	201.6	250.8	318.0	405.9	498.9	540.3	537.7	452.4
95°	100.8	103.4	134.4	170.6	214.6	268.9	330.9	400.7	426.6	421.4	354.2
97.5°	85.3	85.3	113.7	147.4	186.1	227.5	276.6	320.6	333.5	330.9	284.4
100°	72.4	72.4	95.7	129.3	162.9	196.5	230.1	255.9	261.1	263.7	224.9
102.5°	62.0	64.6	85.3	113.7	139.6	168.0	191.3	209.4	209.4	206.8	178.4
105°	56.9	56.9	72.4	98.2	124.1	144.8	162.9	173.2	168.0	162.9	142.2
107.5°	49.1	49.1	64.6	87.9	108.6	126.7	139.6	142.2	134.4	131.8	118.9
110°	43.9	46.5	56.9	77.6	98.2	111.2	118.9	118.9	111.2	108.6	98.2

REPORT NUMBER: P695973
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	41.4	41.4	51.7	69.8	85.3	98.2	103.4	100.8	93.1	90.5	82.7
115°	38.8	38.8	46.5	62.0	77.6	87.9	90.5	85.3	77.6	75.0	69.8
117.5°	36.2	36.2	41.4	54.3	69.8	77.6	80.1	72.4	64.6	64.6	62.0
120°	33.6	33.6	38.8	49.1	62.0	69.8	69.8	62.0	56.9	54.3	54.3
122.5°	33.6	33.6	36.2	43.9	54.3	59.5	62.0	54.3	49.1	46.5	46.5
125°	31.0	31.0	33.6	38.8	49.1	54.3	51.7	46.5	41.4	41.4	41.4
127.5°	31.0	31.0	31.0	36.2	41.4	46.5	46.5	41.4	36.2	36.2	38.8
130°	28.4	28.4	28.4	31.0	36.2	41.4	38.8	33.6	31.0	31.0	33.6
132.5°	28.4	28.4	28.4	28.4	31.0	36.2	33.6	28.4	28.4	28.4	28.4
135°	25.9	25.9	25.9	25.9	28.4	28.4	28.4	25.9	23.3	25.9	25.9
137.5°	23.3	23.3	23.3	23.3	23.3	23.3	23.3	20.7	20.7	20.7	23.3
140°	20.7	20.7	20.7	20.7	18.1	18.1	18.1	15.5	18.1	18.1	20.7
142.5°	20.7	20.7	18.1	18.1	15.5	15.5	12.9	12.9	15.5	15.5	15.5
145°	18.1	18.1	15.5	12.9	10.3	10.3	10.3	10.3	10.3	12.9	12.9
147.5°	12.9	12.9	12.9	10.3	7.8	5.2	5.2	7.8	7.8	7.8	10.3
150°	10.3	10.3	10.3	7.8	5.2	2.6	2.6	5.2	5.2	5.2	7.8
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

REPORT NUMBER: P695973
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0	318.0
2.5°	318.0	315.4	307.6	302.5	297.3	294.7	289.5	287.0	287.0	284.4	287.0
5°	328.3	320.6	305.1	292.1	279.2	268.9	261.1	255.9	253.3	250.8	248.2
7.5°	346.4	333.5	310.2	289.5	268.9	253.3	240.4	232.7	227.5	222.3	222.3
10°	372.3	354.2	320.6	292.1	266.3	245.6	227.5	217.2	212.0	206.8	206.8
12.5°	411.0	387.8	343.8	299.9	268.9	243.0	224.9	212.0	206.8	204.2	201.6
15°	460.2	431.7	374.9	323.1	279.2	245.6	227.5	222.3	217.2	214.6	214.6
17.5°	517.0	478.3	408.5	346.4	297.3	261.1	243.0	235.3	232.7	230.1	227.5
20°	579.1	535.1	447.2	372.3	318.0	287.0	261.1	253.3	250.8	248.2	248.2
22.5°	654.0	594.6	488.6	400.7	343.8	307.6	284.4	271.4	268.9	268.9	266.3
25°	731.6	667.0	535.1	431.7	369.7	330.9	305.1	292.1	289.5	292.1	292.1
27.5°	822.1	739.4	584.2	465.3	395.5	349.0	325.7	312.8	312.8	318.0	318.0
30°	920.3	814.3	633.4	498.9	418.8	367.1	343.8	336.1	338.7	341.2	343.8
32.5°	1016.0	894.5	679.9	532.5	436.9	382.6	361.9	359.3	361.9	367.1	367.1
35°	1127.1	985.0	726.4	561.0	452.4	395.5	377.4	380.0	385.2	390.4	392.9
37.5°	1238.3	1065.1	773.0	581.7	465.3	408.5	392.9	398.1	403.3	413.6	413.6
40°	1344.3	1147.8	809.2	599.8	475.7	416.2	403.3	413.6	424.0	429.1	429.1
42.5°	1455.5	1230.5	847.9	612.7	483.4	424.0	413.6	429.1	439.5	442.1	442.1
45°	1569.2	1300.3	876.4	623.0	488.6	429.1	421.4	436.9	449.8	452.4	452.4
47.5°	1670.0	1365.0	897.1	625.6	488.6	431.7	426.6	444.6	457.6	457.6	457.6
50°	1776.0	1429.6	910.0	628.2	491.2	434.3	429.1	449.8	462.7	460.2	462.7
52.5°	1866.5	1481.3	915.2	623.0	488.6	431.7	431.7	455.0	467.9	462.7	462.7
55°	1946.6	1520.1	912.6	615.3	483.4	431.7	431.7	455.0	467.9	462.7	462.7
57.5°	2006.1	1543.3	902.2	604.9	478.3	429.1	431.7	455.0	467.9	462.7	462.7
60°	2042.3	1545.9	881.5	592.0	470.5	424.0	426.6	452.4	465.3	460.2	460.2
62.5°	2047.5	1533.0	855.7	573.9	460.2	418.8	424.0	449.8	462.7	457.6	460.2
65°	2019.0	1494.2	822.1	553.2	449.8	411.0	418.8	444.6	457.6	455.0	455.0
67.5°	1946.6	1427.0	775.6	527.4	434.3	400.7	411.0	434.3	452.4	447.2	447.2
70°	1830.3	1333.9	726.4	498.9	413.6	387.8	398.1	424.0	439.5	436.9	436.9
72.5°	1677.8	1222.8	667.0	465.3	392.9	372.3	385.2	408.5	421.4	421.4	418.8
75°	1494.2	1098.7	602.3	429.1	369.7	354.2	369.7	387.8	398.1	395.5	392.9
77.5°	1297.8	964.3	540.3	392.9	343.8	333.5	346.4	367.1	372.3	369.7	364.5
80°	1098.7	827.3	478.3	354.2	315.4	307.6	320.6	336.1	341.2	333.5	330.9
82.5°	917.7	690.2	416.2	318.0	287.0	281.8	294.7	305.1	305.1	299.9	292.1
85°	741.9	581.7	364.5	281.8	258.5	255.9	266.3	271.4	268.9	261.1	253.3
87.5°	597.2	475.7	312.8	250.8	230.1	227.5	235.3	237.8	232.7	222.3	217.2
90°	483.4	390.4	268.9	222.3	204.2	204.2	206.8	206.8	199.1	186.1	181.0
92.5°	385.2	320.6	232.7	193.9	183.5	178.4	181.0	178.4	168.0	160.3	152.5
95°	310.2	263.7	201.6	173.2	162.9	157.7	160.3	155.1	142.2	131.8	126.7
97.5°	250.8	217.2	173.2	152.5	144.8	139.6	139.6	131.8	124.1	111.2	106.0
100°	201.6	178.4	149.9	134.4	126.7	124.1	121.5	116.3	106.0	93.1	90.5
102.5°	162.9	149.9	129.3	118.9	113.7	111.2	108.6	100.8	90.5	77.6	77.6
105°	134.4	126.7	113.7	106.0	100.8	98.2	95.7	87.9	77.6	67.2	67.2
107.5°	111.2	106.0	98.2	93.1	90.5	87.9	85.3	77.6	67.2	56.9	59.5
110°	95.7	90.5	85.3	82.7	82.7	80.1	75.0	69.8	59.5	51.7	51.7

REPORT NUMBER: P695973
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2R-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	80.1	77.6	75.0	75.0	72.4	69.8	67.2	59.5	51.7	46.5	46.5
115°	69.8	67.2	67.2	67.2	64.6	64.6	59.5	54.3	43.9	41.4	41.4
117.5°	59.5	59.5	59.5	59.5	59.5	56.9	54.3	46.5	38.8	36.2	36.2
120°	54.3	54.3	51.7	51.7	51.7	51.7	46.5	41.4	33.6	33.6	33.6
122.5°	46.5	46.5	46.5	46.5	46.5	43.9	41.4	36.2	31.0	31.0	31.0
125°	41.4	41.4	41.4	43.9	41.4	41.4	36.2	31.0	25.9	28.4	28.4
127.5°	38.8	38.8	38.8	36.2	36.2	36.2	31.0	25.9	23.3	25.9	25.9
130°	33.6	33.6	33.6	33.6	33.6	31.0	28.4	23.3	20.7	23.3	23.3
132.5°	31.0	31.0	31.0	28.4	28.4	25.9	23.3	20.7	18.1	20.7	20.7
135°	25.9	25.9	25.9	25.9	23.3	23.3	20.7	15.5	18.1	18.1	18.1
137.5°	23.3	23.3	23.3	20.7	20.7	18.1	15.5	12.9	15.5	15.5	15.5
140°	20.7	20.7	20.7	18.1	15.5	15.5	12.9	12.9	12.9	15.5	15.5
142.5°	15.5	15.5	15.5	15.5	12.9	10.3	10.3	10.3	12.9	12.9	12.9
145°	12.9	12.9	12.9	10.3	10.3	7.8	7.8	7.8	10.3	10.3	10.3
147.5°	10.3	10.3	10.3	7.8	7.8	5.2	5.2	7.8	10.3	10.3	10.3
150°	7.8	7.8	7.8	5.2	5.2	2.6	5.2	5.2	7.8	7.8	7.8
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)