

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: P695978

Luminaire Tested: **LXF.LXT-PA16-750-U-T2U-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695978
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-PA16-750-U-T2U-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA 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: 7197 lumens
Efficiency: N/A
Efficacy: 100.0 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 - G3

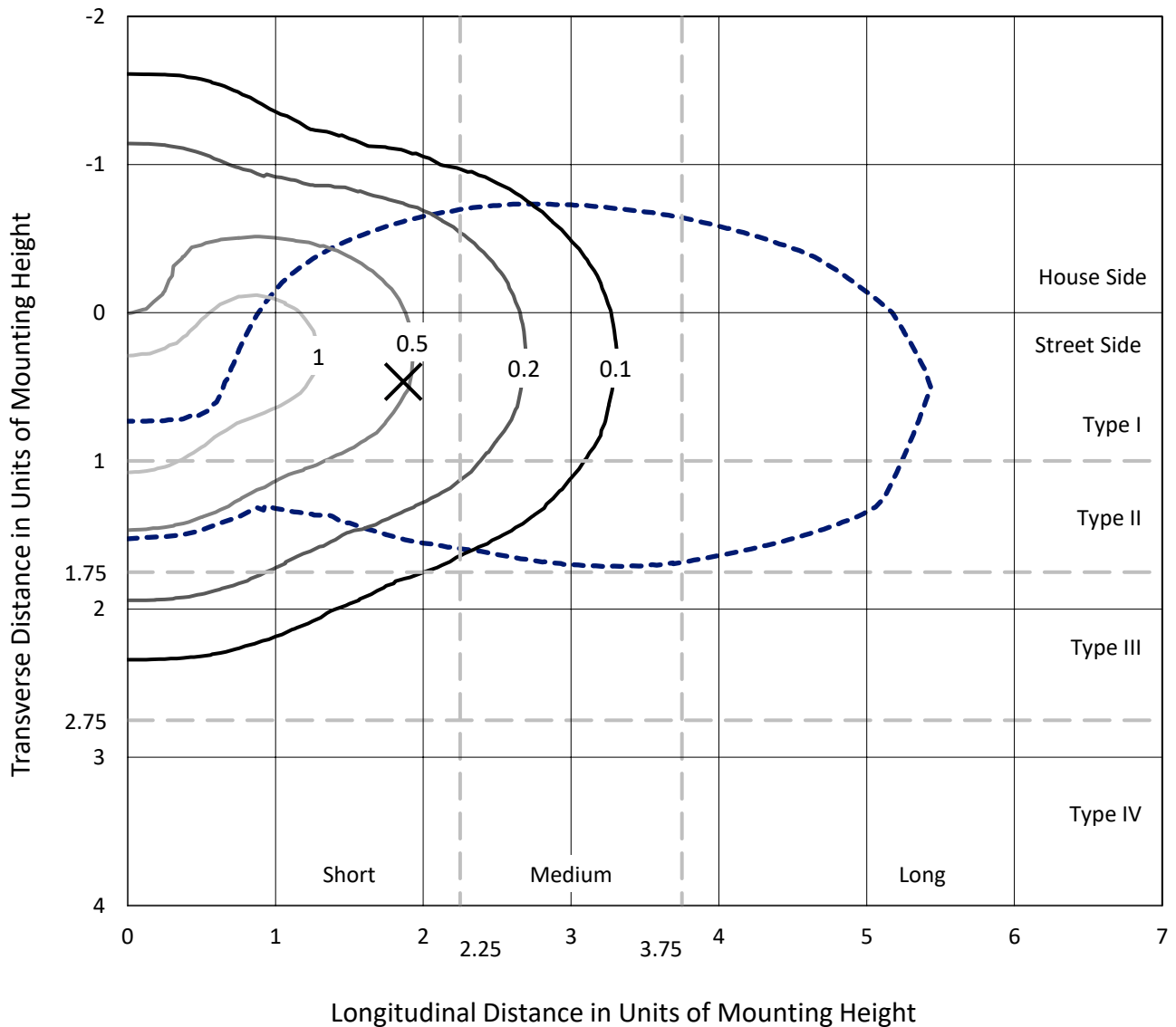
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

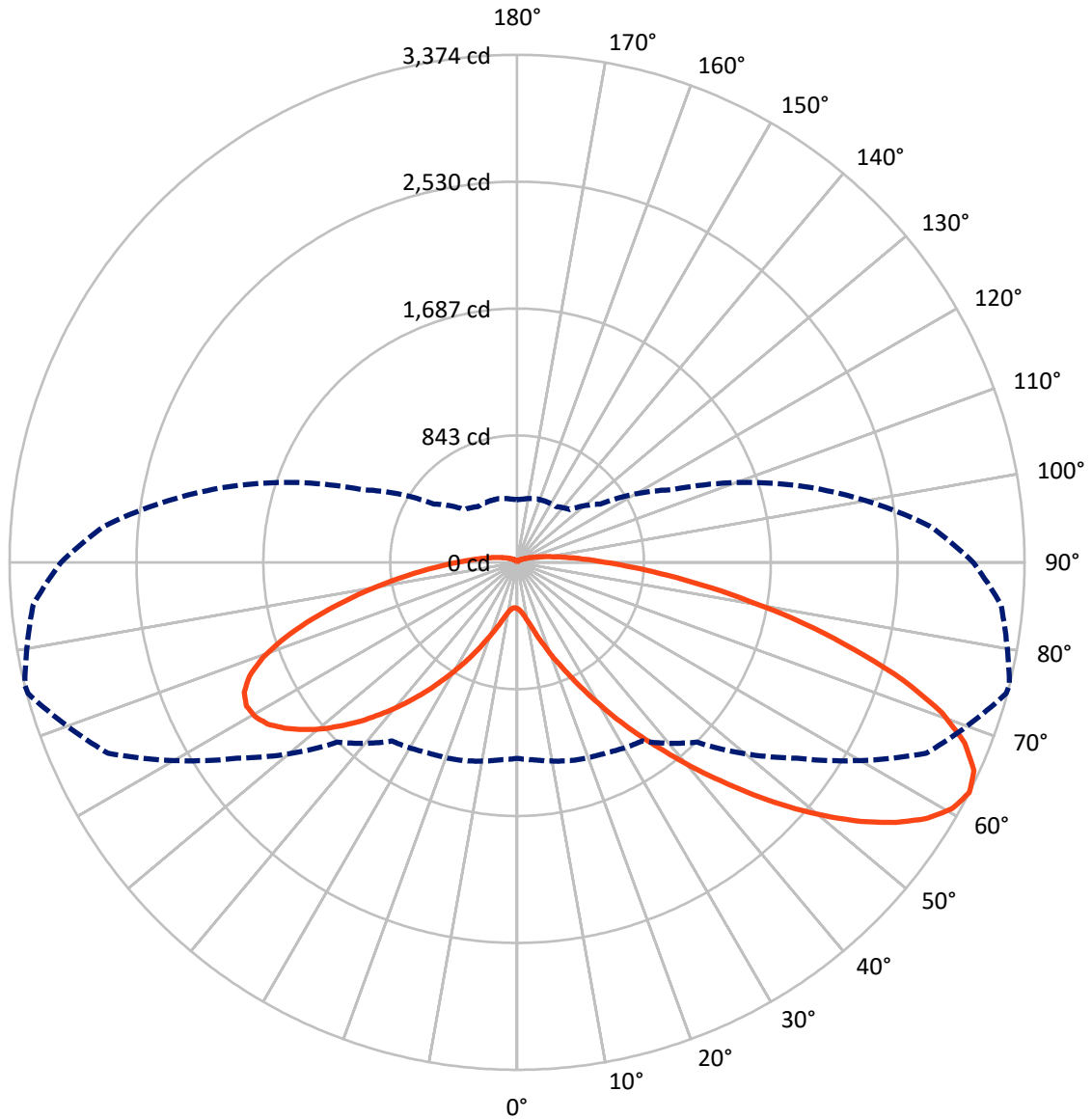
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

REPORT NUMBER: P695978
CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

Luminous Intensity Polar Plot



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

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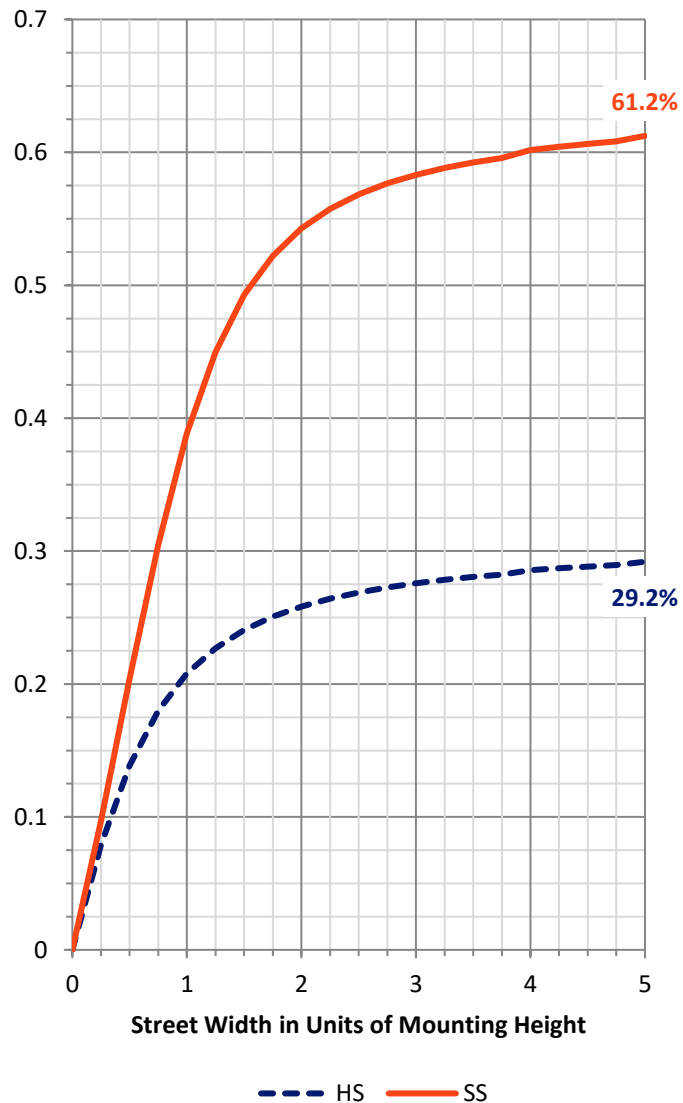
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2189.4	215.1	2404.5
	% Fixture	30.4	3.0	33.4
Street Side	Lumens	4529.2	263.3	4792.5
	% Fixture	62.9	3.7	66.6
Total	Lumens	6718.6	478.4	7197.0
	% Fixture	93.4	6.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	0.4
10°-20°	132.4	1.8
20°-30°	338.2	4.7
30°-40°	675.8	9.4
40°-50°	1092.0	15.2
50°-60°	1428.3	19.8
60°-70°	1449.0	20.1
70°-80°	1041.8	14.5
80°-90°	529.0	7.4
90°-100°	239.2	3.3
100°-110°	117.5	1.6
110°-120°	62.8	0.9
120°-130°	34.6	0.5
130°-140°	17.4	0.2
140°-150°	6.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6718.6	93.4
0°-180°	7197.0	100.0

Coefficient of Utilization



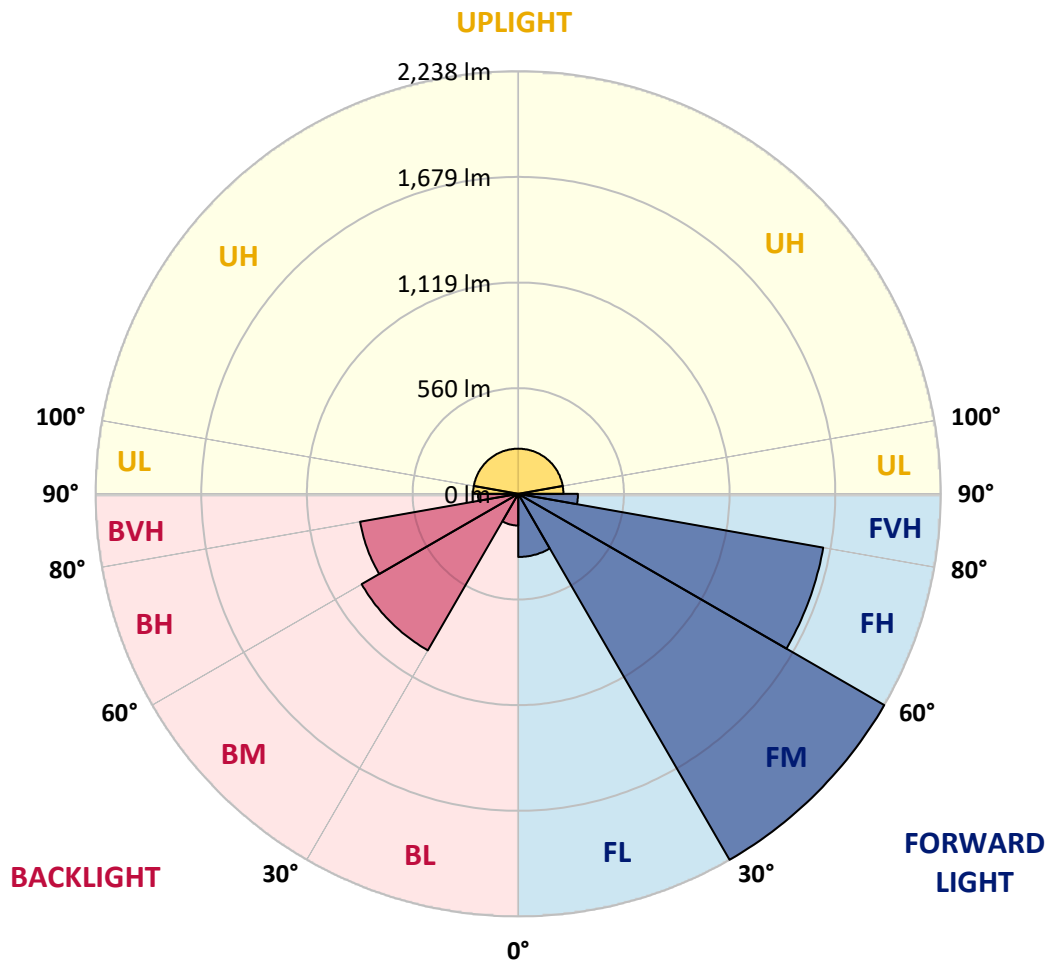
REPORT NUMBER: P695978
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	334.6	4.6			
FM (30°-60°)	2238.4	31.1			
FH (60°-80°)	1640.3	22.8			G1/1800
FVH (80°-90°)	316.0	4.4			G3/500
BL (0°-30°)	168.0	2.3	B1/500		
BM (30°-60°)	957.7	13.3	B1/1000		
BH (60°-80°)	850.6	11.8	B2/1000		G2/1000
BVH (80°-90°)	213.1	3.0			G2/225
UL (90°-100°)	239.2	3.3		U3/500	
UH (100°-180°)	239.1	3.3		U3/500	

BUG Rating: B2-U3-G3

Type II Short



REPORT NUMBER: P695978
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6
2.5°	343.8	341.3	341.3	338.7	336.1	333.5	328.3	323.2	318.0	318.0	312.8
5°	390.4	387.8	387.8	382.6	377.4	367.1	359.4	349.0	338.7	336.1	325.7
7.5°	442.1	444.7	442.1	434.3	426.6	413.6	398.1	382.6	364.5	361.9	346.4
10°	506.7	509.3	501.5	491.2	483.4	470.5	447.2	426.6	403.3	400.7	380.0
12.5°	584.3	579.1	579.1	566.2	550.7	527.4	501.5	478.3	449.8	444.7	421.4
15°	661.8	672.2	664.4	646.3	623.0	599.8	573.9	545.5	517.1	511.9	478.3
17.5°	752.3	765.2	754.9	734.2	710.9	679.9	656.7	620.5	586.9	579.1	540.3
20°	866.1	866.1	853.1	827.3	801.4	778.2	744.6	705.8	667.0	664.4	612.7
22.5°	979.8	974.6	961.7	933.3	902.3	876.4	837.6	801.4	762.7	749.7	705.8
25°	1106.5	1101.3	1078.1	1039.3	1013.4	977.2	946.2	910.0	868.6	855.7	806.6
27.5°	1235.8	1230.6	1202.1	1166.0	1124.6	1088.4	1057.4	1028.9	977.2	977.2	920.4
30°	1370.2	1362.4	1328.8	1290.0	1238.3	1202.1	1184.0	1155.6	1119.4	1111.7	1041.9
32.5°	1496.9	1499.5	1465.8	1411.6	1357.3	1321.1	1313.3	1305.6	1266.8	1264.2	1189.2
35°	1628.7	1623.5	1587.3	1533.1	1476.2	1442.6	1445.2	1460.7	1427.1	1421.9	1331.4
37.5°	1747.6	1747.6	1708.9	1641.6	1579.6	1553.7	1589.9	1631.3	1608.0	1592.5	1499.5
40°	1856.2	1848.5	1814.9	1745.1	1675.2	1672.7	1737.3	1799.3	1791.6	1786.4	1672.7
42.5°	1936.4	1926.0	1895.0	1822.6	1760.6	1773.5	1879.5	1998.4	1995.8	1985.5	1864.0
45°	1980.3	1975.1	1946.7	1879.5	1820.0	1869.1	2024.3	2184.5	2213.0	2205.2	2057.9
47.5°	1988.1	1985.5	1962.2	1902.8	1858.8	1938.9	2166.4	2381.0	2425.0	2427.6	2259.5
50°	1957.0	1957.0	1941.5	1895.0	1869.1	1988.1	2277.6	2582.7	2644.7	2647.3	2463.8
52.5°	1882.1	1882.1	1882.1	1851.0	1845.9	2003.6	2370.7	2743.0	2864.5	2861.9	2675.7
55°	1776.1	1773.5	1783.8	1778.7	1786.4	1977.7	2414.6	2892.9	3060.9	3053.2	2869.6
57.5°	1644.2	1636.5	1662.3	1672.7	1695.9	1915.7	2422.4	2993.7	3218.6	3213.5	3027.3
60°	1473.6	1478.8	1517.5	1535.6	1577.0	1817.4	2370.7	3029.9	3324.6	3324.6	3159.2
62.5°	1303.0	1318.5	1365.0	1398.6	1450.3	1690.8	2269.9	3001.5	3366.0	3373.8	3229.0
65°	1137.5	1158.2	1209.9	1246.1	1310.7	1535.6	2104.4	2890.3	3324.6	3337.6	3234.2
67.5°	987.6	992.7	1049.6	1091.0	1158.2	1370.2	1915.7	2701.6	3187.6	3210.9	3151.4
70°	842.8	850.6	907.4	954.0	1013.4	1197.0	1690.8	2422.4	2957.5	2996.3	2967.9
72.5°	703.2	716.1	765.2	819.5	876.4	1036.7	1450.3	2140.6	2647.3	2688.7	2704.2
75°	592.0	605.0	654.1	705.8	757.5	886.7	1235.8	1812.3	2290.5	2313.8	2388.8
77.5°	491.2	506.7	548.1	599.8	646.3	754.9	1023.8	1494.3	1926.0	1944.1	2008.7
80°	411.1	424.0	457.6	506.7	542.9	633.4	837.6	1209.9	1543.4	1566.7	1623.5
82.5°	341.3	346.4	382.6	424.0	462.8	535.1	685.1	961.7	1209.9	1235.8	1313.3
85°	287.0	289.5	320.6	354.2	390.4	444.7	558.4	752.3	933.3	951.4	1008.3
87.5°	232.7	237.8	268.9	299.9	328.3	374.9	452.4	592.0	718.7	726.5	765.2
90°	193.9	199.1	224.9	253.4	281.8	312.8	372.3	457.6	548.1	553.2	576.5
92.5°	162.9	165.5	188.7	217.2	243.0	268.9	305.1	361.9	426.6	431.7	442.1
95°	137.0	139.6	160.3	183.6	206.8	227.5	255.9	292.1	330.9	333.5	343.8
97.5°	118.9	118.9	137.0	157.7	178.4	193.9	212.0	237.8	261.1	258.5	261.1
100°	100.8	100.8	116.3	137.0	155.1	168.0	178.4	191.3	201.7	204.2	204.2
102.5°	87.9	87.9	100.8	121.5	137.0	147.4	155.1	157.7	162.9	162.9	160.3
105°	75.0	77.6	87.9	106.0	118.9	129.3	131.8	131.8	129.3	129.3	129.3
107.5°	67.2	67.2	77.6	93.1	106.0	113.8	116.3	111.2	106.0	103.4	103.4
110°	62.0	62.0	69.8	82.7	95.7	100.8	100.8	93.1	85.3	87.9	85.3

REPORT NUMBER: P695978
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	54.3	56.9	62.0	75.0	85.3	90.5	87.9	80.1	72.4	69.8	69.8
115°	51.7	51.7	56.9	67.2	77.6	80.1	77.6	69.8	59.5	59.5	59.5
117.5°	46.5	46.5	51.7	59.5	67.2	72.4	67.2	59.5	49.1	49.1	49.1
120°	43.9	43.9	46.5	54.3	62.0	64.6	59.5	51.7	41.4	41.4	43.9
122.5°	41.4	41.4	43.9	49.1	54.3	56.9	54.3	43.9	36.2	36.2	38.8
125°	38.8	38.8	38.8	43.9	49.1	51.7	46.5	38.8	31.0	31.0	33.6
127.5°	36.2	36.2	36.2	38.8	43.9	43.9	41.4	33.6	28.4	28.4	31.0
130°	33.6	33.6	33.6	36.2	38.8	38.8	33.6	28.4	25.9	25.9	25.9
132.5°	31.0	31.0	31.0	31.0	33.6	33.6	28.4	23.3	20.7	23.3	23.3
135°	28.4	28.4	28.4	28.4	28.4	28.4	23.3	18.1	18.1	18.1	20.7
137.5°	25.9	25.9	25.9	23.3	23.3	23.3	18.1	15.5	15.5	15.5	18.1
140°	23.3	23.3	23.3	20.7	18.1	18.1	12.9	12.9	12.9	12.9	15.5
142.5°	20.7	20.7	20.7	18.1	15.5	12.9	10.3	10.3	10.3	10.3	12.9
145°	18.1	18.1	15.5	15.5	10.3	7.8	7.8	7.8	7.8	10.3	10.3
147.5°	15.5	15.5	12.9	10.3	7.8	5.2	2.6	5.2	5.2	5.2	7.8
150°	10.3	10.3	10.3	7.8	5.2	2.6	2.6	2.6	5.2	5.2	5.2
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

REPORT NUMBER: P695978
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6	307.6
2.5°	310.2	307.6	302.5	297.3	292.1	289.5	287.0	284.4	284.4	284.4	284.4
5°	320.6	312.8	302.5	292.1	281.8	274.0	266.3	261.1	258.5	255.9	255.9
7.5°	338.7	328.3	310.2	294.7	279.2	263.7	253.4	245.6	240.4	237.8	237.8
10°	364.5	351.6	328.3	305.1	281.8	263.7	248.2	237.8	230.1	227.5	224.9
12.5°	405.9	390.4	356.8	323.2	294.7	268.9	250.8	235.3	227.5	224.9	224.9
15°	460.2	439.5	395.5	354.2	315.4	281.8	261.1	250.8	245.6	240.4	240.4
17.5°	517.1	493.8	444.7	393.0	346.4	307.6	284.4	274.0	263.7	261.1	261.1
20°	592.0	561.0	499.0	436.9	382.6	343.8	315.4	294.7	284.4	281.8	281.8
22.5°	672.2	633.4	563.6	486.0	426.6	377.4	343.8	318.0	307.6	302.5	302.5
25°	762.7	726.5	636.0	542.9	475.7	416.2	372.3	343.8	330.9	328.3	328.3
27.5°	871.2	827.3	716.1	610.1	522.2	449.8	400.7	367.1	354.2	351.6	351.6
30°	997.9	935.9	804.0	682.5	571.3	480.9	421.4	390.4	374.9	374.9	374.9
32.5°	1116.8	1052.2	899.7	754.9	615.3	506.7	442.1	411.1	395.5	395.5	395.5
35°	1261.6	1186.6	1003.1	824.7	654.1	530.0	457.6	426.6	413.6	411.1	411.1
37.5°	1421.9	1326.2	1106.5	889.3	690.3	545.5	470.5	439.5	426.6	424.0	424.0
40°	1582.2	1471.0	1220.2	956.5	716.1	555.8	478.3	449.8	436.9	431.7	431.7
42.5°	1752.8	1626.1	1328.8	1018.6	739.4	561.0	480.9	457.6	444.7	436.9	436.9
45°	1936.4	1786.4	1445.2	1067.7	754.9	563.6	483.4	460.2	449.8	439.5	439.5
47.5°	2132.8	1957.0	1551.2	1114.2	760.1	561.0	483.4	462.8	449.8	439.5	436.9
50°	2311.2	2122.5	1659.7	1150.4	760.1	555.8	483.4	465.3	452.4	436.9	436.9
52.5°	2499.9	2285.4	1752.8	1173.7	754.9	548.1	480.9	462.8	452.4	434.3	434.3
55°	2686.1	2440.5	1838.1	1186.6	742.0	537.7	475.7	462.8	449.8	431.7	429.2
57.5°	2836.0	2582.7	1907.9	1186.6	723.9	524.8	467.9	460.2	447.2	429.2	426.6
60°	2957.5	2691.3	1946.7	1171.1	700.6	511.9	460.2	455.0	444.7	424.0	421.4
62.5°	3032.5	2755.9	1957.0	1142.7	674.8	496.4	452.4	447.2	439.5	421.4	416.2
65°	3045.4	2763.6	1926.0	1093.6	641.1	475.7	439.5	439.5	431.7	413.6	411.1
67.5°	2970.5	2688.7	1848.5	1026.3	605.0	455.0	424.0	426.6	421.4	405.9	400.7
70°	2810.2	2543.9	1719.2	948.8	563.6	434.3	405.9	408.5	403.3	390.4	387.8
72.5°	2562.0	2306.1	1546.0	855.7	519.6	408.5	387.8	387.8	385.2	372.3	367.1
75°	2254.3	2032.0	1346.9	757.5	475.7	380.0	364.5	364.5	361.9	349.0	343.8
77.5°	1910.5	1716.6	1140.1	661.8	429.2	351.6	336.1	338.7	336.1	320.6	320.6
80°	1543.4	1409.0	951.4	568.8	385.2	320.6	307.6	310.2	305.1	289.5	284.4
82.5°	1238.3	1127.2	770.4	486.0	341.3	292.1	279.2	279.2	271.5	258.5	255.9
85°	946.2	866.1	623.0	408.5	302.5	261.1	250.8	248.2	237.8	224.9	222.3
87.5°	736.8	669.6	499.0	346.4	263.7	232.7	222.3	217.2	206.8	193.9	191.3
90°	555.8	514.5	398.1	289.5	232.7	206.8	196.5	188.7	178.4	165.5	160.3
92.5°	431.7	405.9	323.2	248.2	201.7	183.6	173.2	165.5	152.5	142.2	137.0
95°	333.5	318.0	266.3	212.0	178.4	160.3	152.5	144.8	134.4	121.5	116.3
97.5°	263.7	250.8	217.2	181.0	157.7	144.8	134.4	126.7	113.8	103.4	100.8
100°	206.8	199.1	181.0	155.1	139.6	126.7	118.9	111.2	98.2	87.9	87.9
102.5°	162.9	160.3	149.9	134.4	124.1	113.8	106.0	98.2	87.9	77.6	75.0
105°	131.8	131.8	124.1	116.3	108.6	100.8	95.7	87.9	75.0	67.2	64.6
107.5°	106.0	108.6	106.0	103.4	95.7	90.5	85.3	75.0	64.6	56.9	56.9
110°	87.9	87.9	90.5	87.9	85.3	80.1	75.0	67.2	56.9	51.7	51.7

REPORT NUMBER: P695978
 CATALOG NUMBER: LXF.LXT-PA16-750-U-T2U-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	72.4	75.0	77.6	77.6	75.0	72.4	67.2	59.5	49.1	43.9	43.9
115°	62.0	62.0	67.2	67.2	67.2	64.6	59.5	51.7	43.9	38.8	41.4
117.5°	51.7	54.3	56.9	59.5	59.5	56.9	51.7	43.9	36.2	36.2	36.2
120°	46.5	46.5	49.1	51.7	51.7	51.7	46.5	38.8	33.6	31.0	31.0
122.5°	41.4	41.4	43.9	46.5	46.5	43.9	41.4	33.6	28.4	28.4	28.4
125°	36.2	36.2	38.8	41.4	41.4	38.8	33.6	28.4	25.9	25.9	25.9
127.5°	31.0	33.6	33.6	36.2	36.2	33.6	31.0	25.9	20.7	23.3	23.3
130°	28.4	28.4	31.0	31.0	31.0	28.4	25.9	20.7	20.7	20.7	20.7
132.5°	25.9	25.9	25.9	25.9	25.9	25.9	20.7	18.1	18.1	18.1	18.1
135°	20.7	23.3	23.3	23.3	23.3	20.7	18.1	15.5	15.5	15.5	18.1
137.5°	18.1	18.1	20.7	18.1	18.1	18.1	12.9	12.9	12.9	15.5	15.5
140°	15.5	15.5	15.5	15.5	15.5	12.9	10.3	10.3	12.9	12.9	12.9
142.5°	12.9	12.9	12.9	12.9	10.3	10.3	7.8	7.8	10.3	10.3	12.9
145°	10.3	10.3	10.3	10.3	7.8	7.8	5.2	7.8	7.8	10.3	10.3
147.5°	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	5.2	5.2	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)