

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: P695718

Luminaire Tested: **LXF.LXT-PA16-60-750-U-T4W-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695718
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-PA16-60-750-U-T4W-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1160mA 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: 6336 lumens
Efficiency: N/A
Efficacy: 102.2 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: B2 - U3 - G3

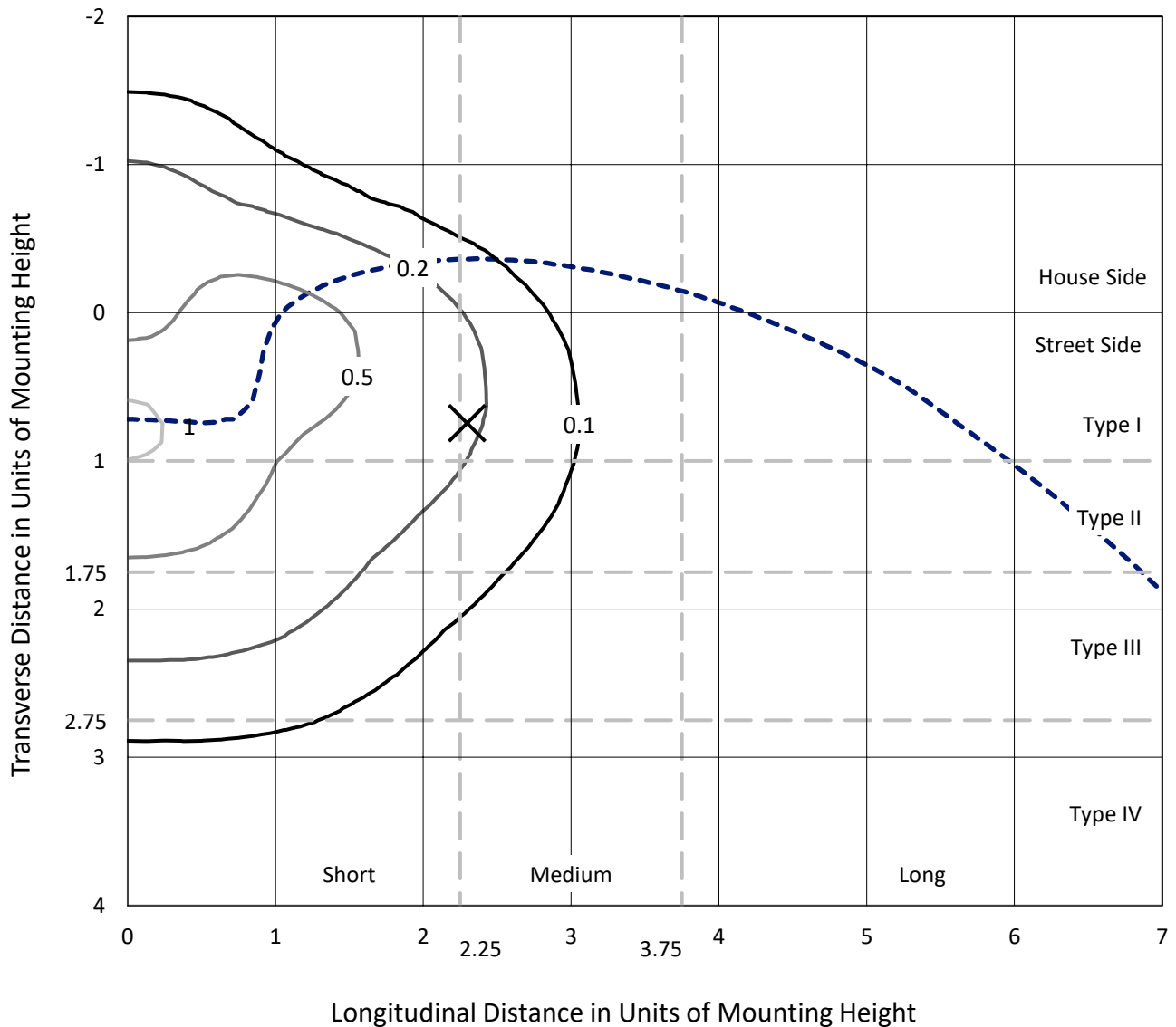
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

Iso-Footcandle Lines of Horizontal Illumination

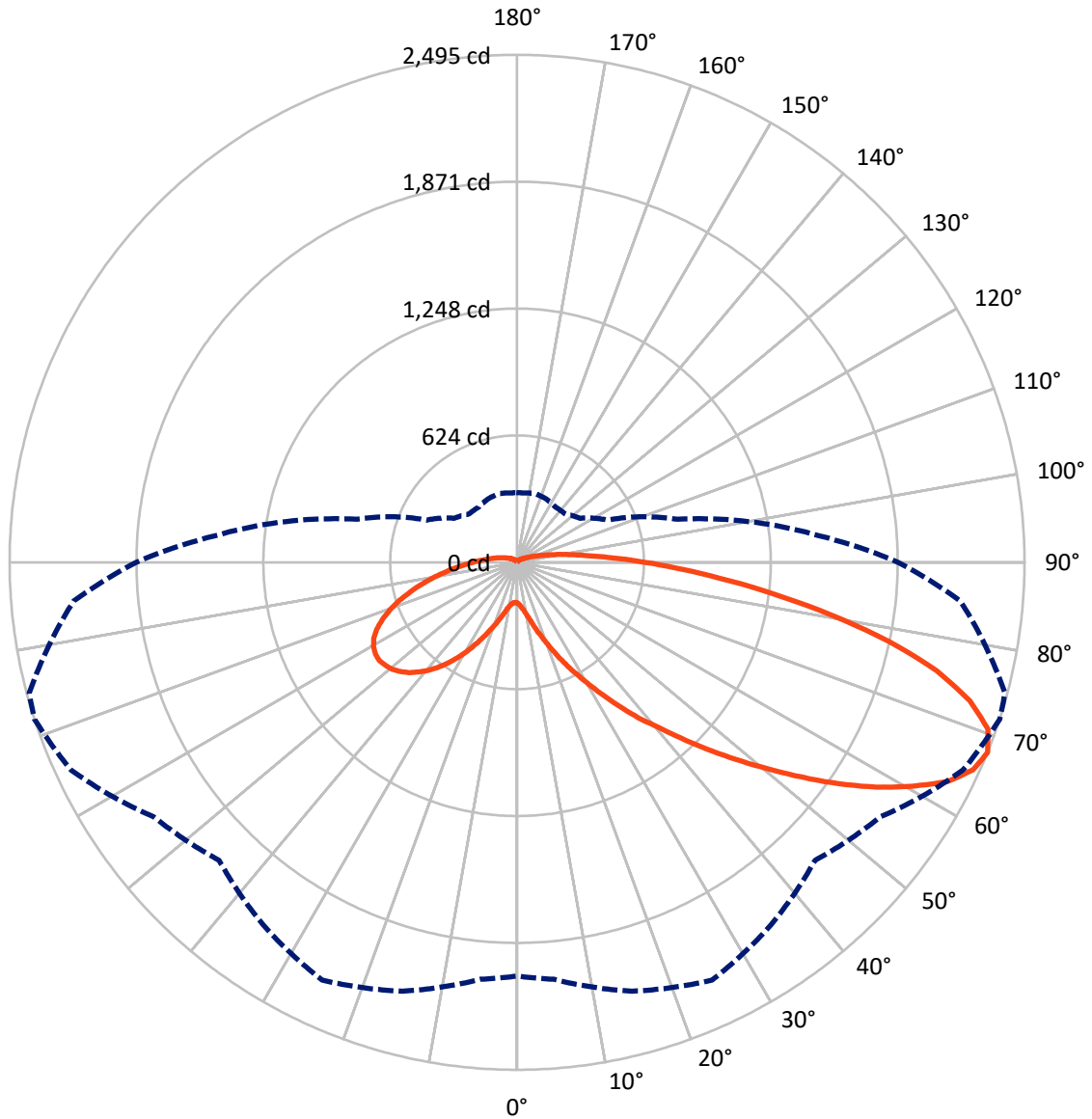
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695718
CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

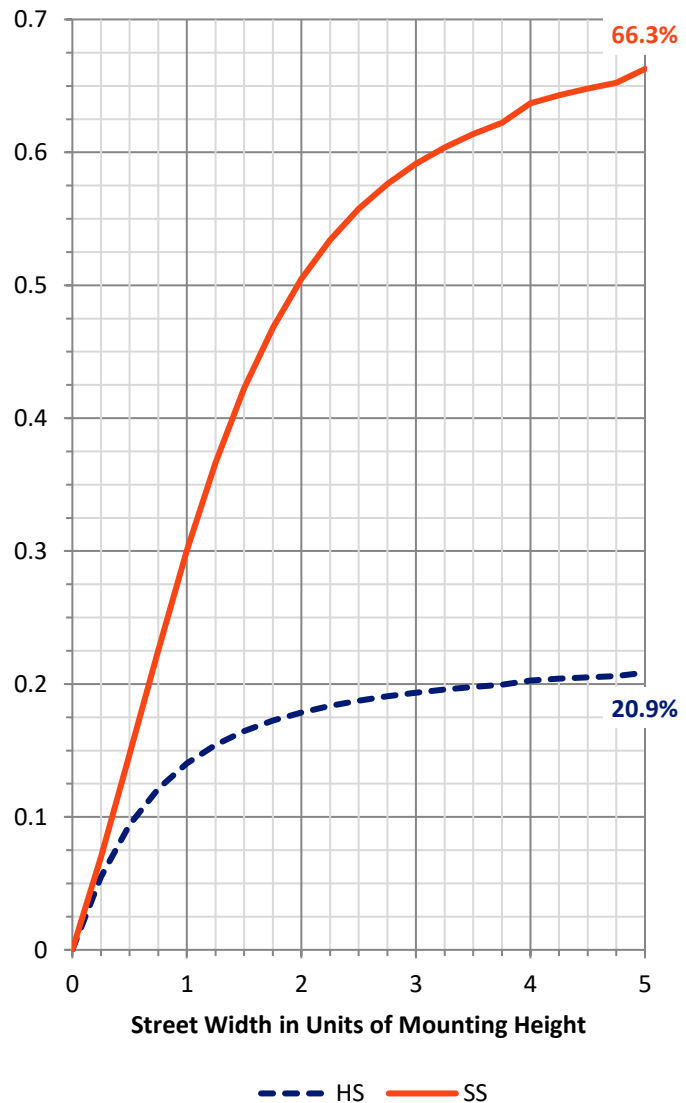
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1399.6	187.5	1587.1
	% Fixture	22.1	3.0	25.0
Street Side	Lumens	4436.1	312.8	4748.9
	% Fixture	70.0	4.9	75.0
Total	Lumens	5835.7	500.3	6336.0
	% Fixture	92.1	7.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.3
10°-20°	86.9	1.4
20°-30°	222.5	3.5
30°-40°	446.9	7.1
40°-50°	752.4	11.9
50°-60°	1111.3	17.5
60°-70°	1369.3	21.6
70°-80°	1182.2	18.7
80°-90°	643.2	10.2
90°-100°	273.4	4.3
100°-110°	119.8	1.9
110°-120°	57.7	0.9
120°-130°	29.4	0.5
130°-140°	14.3	0.2
140°-150°	5.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5835.7	92.1
0°-180°	6336.0	100.0

Coefficient of Utilization

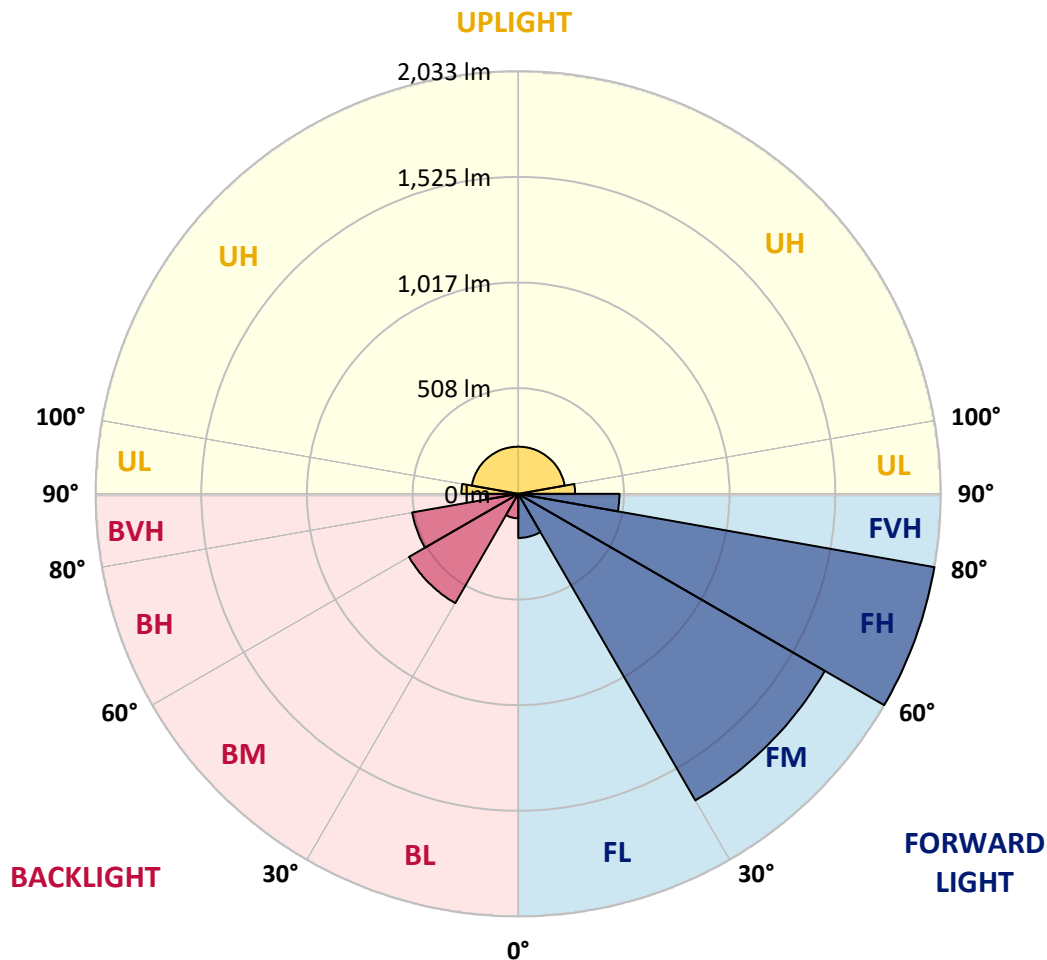


REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.4	3.4			
FM (30°-60°)	1703.4	26.9			
FH (60°-80°)	2033.4	32.1			G2/5000
FVH (80°-90°)	486.8	7.7			G3/500
BL (0°-30°)	118.0	1.9	B1/500		
BM (30°-60°)	607.2	9.6	B1/1000		
BH (60°-80°)	518.0	8.2	B2/1000		G2/1000
BVH (80°-90°)	156.4	2.5			G2/225
UL (90°-100°)	273.4	4.3		U3/500	
UH (100°-180°)	226.9	3.6		U3/500	

BUG Rating: B2-U3-G3
 Type IV Medium



REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
2.5°	218.8	218.8	218.8	216.5	214.1	214.1	211.8	209.5	207.2	204.8	202.5
5°	244.4	244.4	242.1	242.1	237.4	235.1	230.4	223.4	221.1	218.8	211.8
7.5°	277.0	277.0	272.3	272.3	265.3	260.7	253.7	244.4	237.4	235.1	225.8
10°	314.2	311.9	311.9	304.9	297.9	293.3	281.6	270.0	263.0	258.4	246.7
12.5°	363.1	360.8	356.1	349.1	339.8	328.2	316.5	304.9	293.3	288.6	274.7
15°	416.6	416.6	412.0	400.3	388.7	372.4	358.4	344.5	335.2	330.5	311.9
17.5°	479.5	477.2	472.5	458.5	439.9	423.6	407.3	391.0	379.4	374.7	353.8
20°	556.3	554.0	540.0	519.0	502.8	479.5	458.5	439.9	430.6	425.9	402.7
22.5°	640.1	635.4	621.5	595.9	563.3	540.0	516.7	498.1	488.8	481.8	460.9
25°	735.5	728.5	709.9	670.3	633.1	600.5	577.2	558.6	554.0	549.3	521.4
27.5°	840.3	835.6	810.0	761.1	709.9	672.7	642.4	630.8	621.5	616.8	586.5
30°	961.3	954.3	914.7	858.9	791.4	737.8	709.9	702.9	695.9	698.3	670.3
32.5°	1080.0	1080.0	1031.1	956.6	872.8	810.0	777.4	782.1	779.7	779.7	747.1
35°	1208.0	1210.3	1149.8	1068.4	959.0	886.8	854.2	865.9	870.5	868.2	835.6
37.5°	1343.0	1338.4	1277.8	1175.4	1049.7	961.3	933.4	949.6	970.6	963.6	933.4
40°	1492.0	1482.7	1424.5	1291.8	1149.8	1042.7	1017.1	1049.7	1063.7	1073.0	1031.1
42.5°	1627.0	1622.3	1554.8	1417.5	1249.9	1128.9	1100.9	1145.2	1182.4	1184.7	1142.8
45°	1759.6	1750.3	1694.5	1540.8	1347.7	1226.6	1203.4	1266.2	1310.4	1315.1	1268.5
47.5°	1880.7	1880.7	1817.8	1666.5	1468.7	1324.4	1308.1	1391.9	1447.7	1452.4	1401.2
50°	2006.4	2001.7	1948.2	1794.6	1582.7	1431.5	1424.5	1531.5	1594.4	1601.4	1533.9
52.5°	2099.5	2099.5	2064.6	1920.2	1692.1	1536.2	1547.8	1673.5	1755.0	1773.6	1685.2
55°	2180.9	2183.3	2160.0	2029.6	1817.8	1650.2	1666.5	1824.8	1922.6	1948.2	1836.4
57.5°	2234.5	2236.8	2243.8	2141.4	1927.2	1755.0	1796.9	1985.4	2085.5	2106.4	1980.8
60°	2255.4	2262.4	2295.0	2227.5	2025.0	1864.4	1920.2	2129.7	2234.5	2257.7	2097.1
62.5°	2234.5	2246.1	2311.3	2288.0	2113.4	1957.5	2032.0	2262.4	2374.1	2383.4	2190.2
65°	2171.6	2185.6	2274.0	2302.0	2164.6	2032.0	2129.7	2364.8	2462.6	2464.9	2220.5
67.5°	2034.3	2057.6	2183.3	2267.0	2176.3	2071.5	2180.9	2418.3	2495.2	2483.5	2187.9
70°	1866.7	1885.3	2029.6	2164.6	2134.4	2064.6	2187.9	2406.7	2455.6	2427.7	2078.5
72.5°	1634.0	1654.9	1824.8	2001.7	2027.3	2008.7	2129.7	2327.6	2327.6	2285.7	1908.6
75°	1382.6	1422.1	1573.4	1782.9	1876.0	1885.3	2015.7	2164.6	2132.1	2071.5	1668.9
77.5°	1138.2	1152.1	1301.1	1533.9	1654.9	1710.8	1827.1	1927.2	1869.0	1796.9	1415.2
80°	905.4	917.1	1052.1	1266.2	1419.8	1515.2	1610.7	1643.3	1561.8	1489.6	1154.5
82.5°	702.9	716.9	837.9	1026.5	1180.1	1275.5	1354.6	1361.6	1266.2	1201.0	919.4
85°	528.4	542.3	644.7	812.3	956.6	1056.7	1105.6	1100.9	996.2	942.7	712.2
87.5°	409.7	407.3	491.1	623.8	758.8	837.9	875.2	844.9	772.8	726.2	547.0
90°	304.9	314.2	379.4	486.5	591.2	658.7	689.0	654.0	593.5	556.3	421.3
92.5°	235.1	239.7	297.9	379.4	467.8	526.0	547.0	507.4	449.2	428.3	323.5
95°	183.9	188.5	230.4	297.9	363.1	407.3	419.0	388.7	342.2	325.9	251.4
97.5°	149.0	151.3	181.6	237.4	288.6	323.5	328.2	297.9	267.7	249.0	197.8
100°	118.7	118.7	146.6	188.5	228.1	256.0	253.7	235.1	209.5	195.5	153.6
102.5°	97.8	97.8	118.7	155.9	186.2	207.2	207.2	183.9	162.9	151.3	121.0
105°	81.5	81.5	97.8	125.7	153.6	169.9	167.6	149.0	128.0	118.7	95.4
107.5°	69.8	69.8	81.5	104.7	125.7	139.7	137.3	118.7	102.4	95.4	79.1
110°	60.5	60.5	69.8	88.4	107.1	116.4	114.1	95.4	81.5	76.8	65.2

REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	51.2	53.5	58.2	74.5	90.8	100.1	95.4	79.1	65.2	60.5	55.9
115°	46.6	46.6	51.2	62.8	76.8	83.8	79.1	65.2	53.5	51.2	46.6
117.5°	41.9	41.9	46.6	55.9	67.5	72.2	67.5	53.5	46.6	41.9	39.6
120°	37.2	37.2	39.6	48.9	55.9	60.5	55.9	44.2	37.2	37.2	34.9
122.5°	34.9	34.9	37.2	41.9	48.9	51.2	46.6	37.2	32.6	32.6	32.6
125°	30.3	32.6	32.6	37.2	41.9	44.2	39.6	32.6	27.9	27.9	27.9
127.5°	27.9	27.9	30.3	32.6	34.9	37.2	32.6	27.9	25.6	23.3	25.6
130°	25.6	25.6	25.6	27.9	30.3	30.3	27.9	23.3	20.9	20.9	23.3
132.5°	23.3	23.3	23.3	23.3	25.6	25.6	23.3	18.6	18.6	18.6	20.9
135°	20.9	20.9	20.9	20.9	20.9	20.9	18.6	16.3	16.3	16.3	18.6
137.5°	18.6	18.6	18.6	18.6	16.3	16.3	14.0	14.0	14.0	14.0	16.3
140°	16.3	16.3	16.3	14.0	14.0	11.6	11.6	11.6	11.6	11.6	14.0
142.5°	14.0	14.0	14.0	11.6	9.3	9.3	9.3	9.3	9.3	9.3	11.6
145°	11.6	11.6	9.3	9.3	7.0	7.0	7.0	7.0	7.0	7.0	9.3
147.5°	9.3	9.3	7.0	7.0	4.7	4.7	4.7	4.7	4.7	4.7	7.0
150°	7.0	7.0	4.7	4.7	4.7	2.3	2.3	4.7	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

REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2	200.2
2.5°	202.5	200.2	197.8	195.5	193.2	193.2	190.9	188.5	188.5	188.5	186.2
5°	209.5	204.8	200.2	195.5	188.5	186.2	181.6	179.2	176.9	174.6	174.6
7.5°	221.1	216.5	207.2	197.8	190.9	183.9	176.9	172.2	169.9	167.6	167.6
10°	239.7	232.8	218.8	207.2	195.5	186.2	179.2	172.2	169.9	167.6	165.3
12.5°	265.3	258.4	239.7	221.1	207.2	193.2	183.9	176.9	172.2	169.9	169.9
15°	302.6	290.9	267.7	244.4	223.4	207.2	195.5	188.5	186.2	183.9	183.9
17.5°	342.2	325.9	300.3	270.0	246.7	225.8	211.8	207.2	202.5	200.2	200.2
20°	388.7	370.1	337.5	300.3	270.0	249.0	232.8	223.4	218.8	216.5	216.5
22.5°	439.9	423.6	377.1	335.2	297.9	274.7	251.4	239.7	235.1	232.8	235.1
25°	500.4	477.2	423.6	372.4	328.2	295.6	272.3	256.0	253.7	251.4	253.7
27.5°	567.9	537.7	474.8	407.3	356.1	316.5	290.9	274.7	272.3	270.0	272.3
30°	640.1	612.1	528.4	449.2	384.0	335.2	307.2	293.3	288.6	290.9	288.6
32.5°	719.2	675.0	581.9	486.5	407.3	349.1	318.9	307.2	307.2	309.6	309.6
35°	805.3	756.5	635.4	521.4	425.9	363.1	330.5	321.2	321.2	325.9	325.9
37.5°	891.5	833.3	689.0	549.3	439.9	370.1	339.8	332.8	332.8	339.8	339.8
40°	984.6	914.7	737.8	574.9	451.5	377.1	344.5	342.2	344.5	351.5	351.5
42.5°	1084.6	993.9	782.1	593.5	456.2	379.4	349.1	349.1	353.8	358.4	360.8
45°	1189.4	1080.0	826.3	605.2	458.5	379.4	351.5	351.5	360.8	365.4	365.4
47.5°	1303.4	1166.1	861.2	612.1	456.2	377.1	351.5	356.1	363.1	367.8	367.8
50°	1426.8	1259.2	893.8	612.1	451.5	374.7	351.5	356.1	365.4	367.8	367.8
52.5°	1547.8	1350.0	914.7	605.2	444.6	370.1	349.1	356.1	365.4	365.4	365.4
55°	1675.8	1436.1	933.4	595.9	435.3	365.4	346.8	356.1	363.1	363.1	363.1
57.5°	1778.3	1505.9	935.7	581.9	425.9	360.8	344.5	353.8	360.8	358.4	358.4
60°	1866.7	1554.8	928.7	563.3	414.3	353.8	342.2	351.5	358.4	353.8	353.8
62.5°	1924.9	1575.8	907.8	542.3	402.7	349.1	339.8	349.1	356.1	351.5	351.5
65°	1927.2	1554.8	868.2	519.0	388.7	342.2	335.2	346.8	353.8	346.8	346.8
67.5°	1873.7	1492.0	817.0	491.1	377.1	335.2	330.5	342.2	349.1	342.2	342.2
70°	1759.6	1387.2	754.1	463.2	360.8	328.2	325.9	337.5	342.2	335.2	332.8
72.5°	1594.4	1247.6	684.3	430.6	344.5	316.5	316.5	328.2	332.8	325.9	323.5
75°	1380.2	1087.0	607.5	395.7	325.9	304.9	307.2	316.5	321.2	314.2	309.6
77.5°	1161.5	924.0	533.0	365.4	307.2	290.9	293.3	304.9	307.2	300.3	295.6
80°	942.7	751.8	458.5	330.5	286.3	277.0	279.3	286.3	288.6	281.6	277.0
82.5°	756.5	612.1	388.7	297.9	265.3	258.4	263.0	267.7	267.7	260.7	256.0
85°	595.9	486.5	330.5	263.0	242.1	239.7	244.4	246.7	244.4	237.4	232.8
87.5°	460.9	386.4	277.0	230.4	218.8	221.1	223.4	223.4	221.1	216.5	209.5
90°	358.4	307.2	232.8	202.5	197.8	200.2	202.5	202.5	197.8	190.9	186.2
92.5°	284.0	249.0	195.5	176.9	176.9	181.6	181.6	181.6	174.6	167.6	165.3
95°	221.1	197.8	165.3	155.9	155.9	160.6	162.9	160.6	153.6	146.6	144.3
97.5°	176.9	160.6	142.0	135.0	139.7	144.3	144.3	139.7	132.7	128.0	125.7
100°	142.0	130.3	118.7	118.7	123.4	128.0	128.0	123.4	116.4	107.1	107.1
102.5°	114.1	109.4	102.4	104.7	107.1	111.7	111.7	107.1	97.8	90.8	90.8
105°	93.1	90.8	88.4	90.8	95.4	97.8	97.8	93.1	83.8	76.8	76.8
107.5°	76.8	74.5	74.5	79.1	83.8	86.1	86.1	79.1	72.2	65.2	67.5
110°	65.2	62.8	62.8	67.5	72.2	74.5	74.5	69.8	60.5	55.9	58.2

REPORT NUMBER: P695718
 CATALOG NUMBER: LXF.LXT-PA16-60-750-U-T4W-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	53.5	53.5	55.9	60.5	65.2	67.5	65.2	58.2	51.2	48.9	48.9
115°	46.6	46.6	48.9	53.5	55.9	58.2	55.9	51.2	44.2	41.9	41.9
117.5°	39.6	39.6	41.9	46.6	48.9	51.2	48.9	44.2	37.2	37.2	37.2
120°	34.9	34.9	37.2	41.9	44.2	44.2	41.9	37.2	32.6	32.6	32.6
122.5°	32.6	32.6	32.6	34.9	37.2	39.6	37.2	32.6	27.9	27.9	27.9
125°	27.9	27.9	30.3	32.6	32.6	32.6	30.3	27.9	25.6	25.6	25.6
127.5°	25.6	25.6	25.6	27.9	30.3	27.9	25.6	23.3	20.9	23.3	23.3
130°	23.3	23.3	23.3	23.3	25.6	25.6	23.3	20.9	18.6	18.6	18.6
132.5°	20.9	20.9	20.9	20.9	20.9	20.9	18.6	16.3	16.3	18.6	18.6
135°	18.6	18.6	18.6	18.6	18.6	18.6	16.3	14.0	14.0	16.3	16.3
137.5°	16.3	16.3	16.3	14.0	16.3	14.0	14.0	14.0	14.0	14.0	14.0
140°	14.0	14.0	14.0	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
142.5°	11.6	11.6	11.6	9.3	9.3	9.3	9.3	9.3	9.3	11.6	11.6
145°	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
147.5°	7.0	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0	7.0	7.0
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)