

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: P695681

Luminaire Tested: **LXF.LXT-PA16-60-740-U-T3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-17)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-740-U-T3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6425 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G3

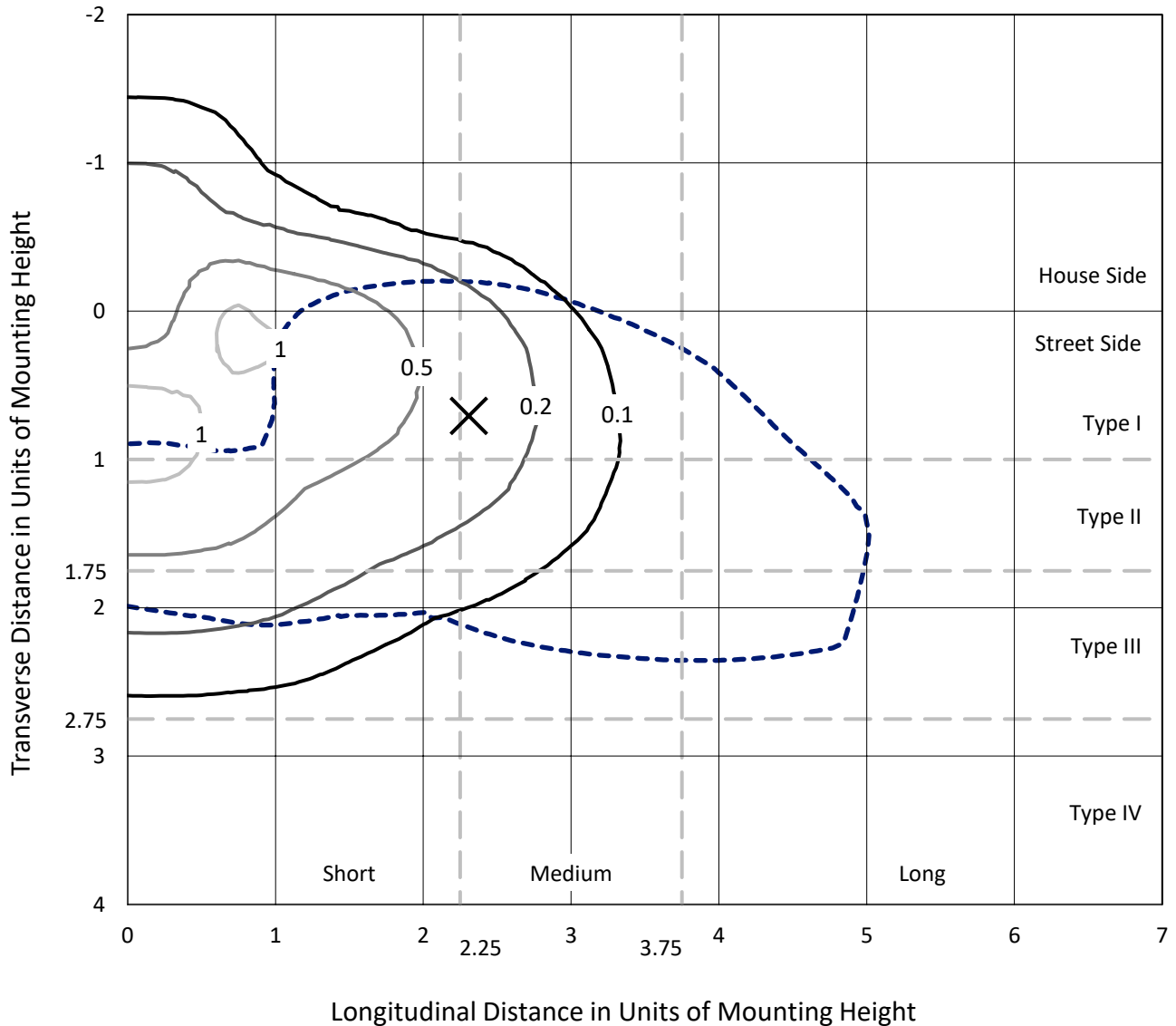
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

Iso-Footcandle Lines of Horizontal Illumination

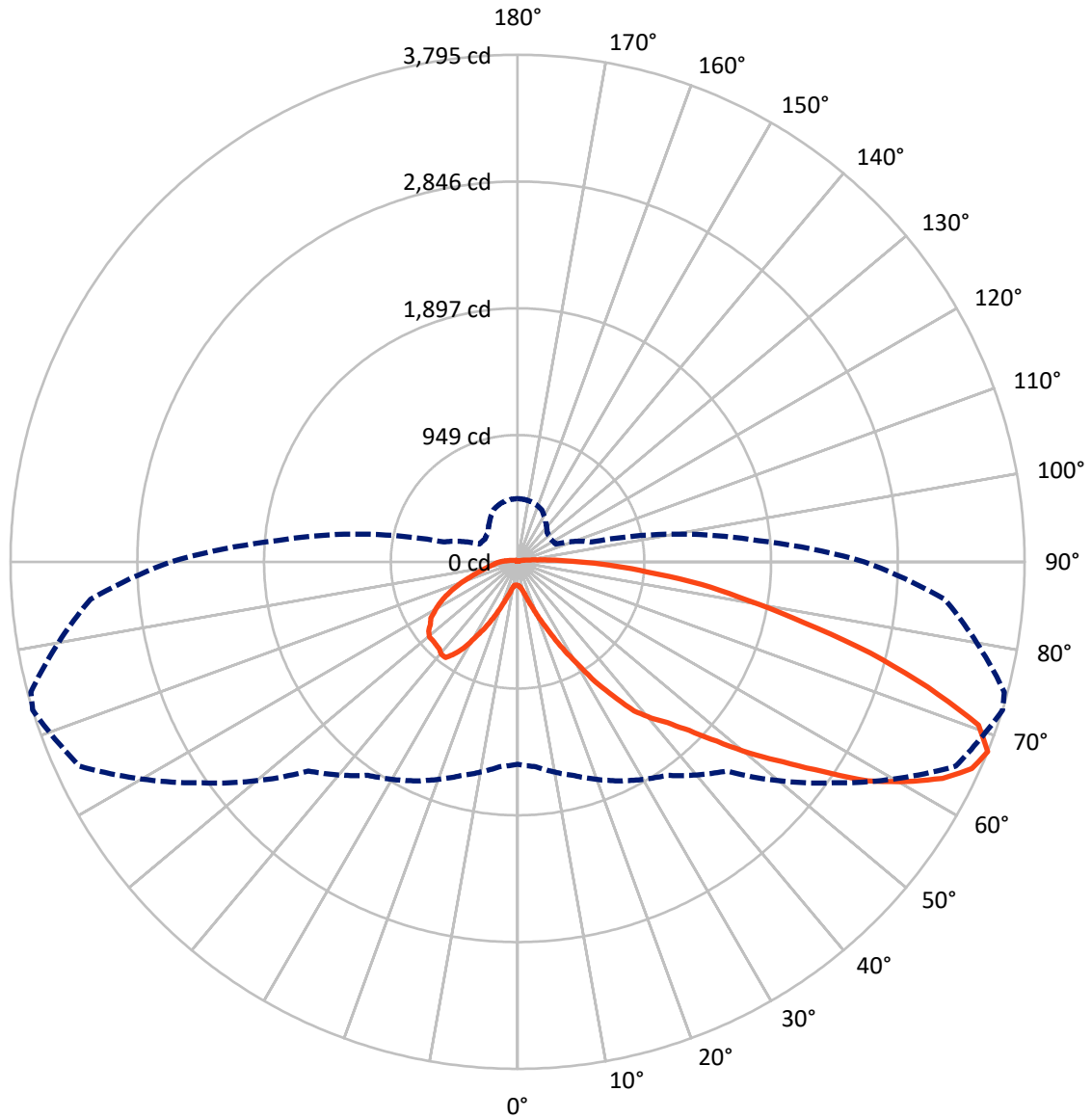
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695681
CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

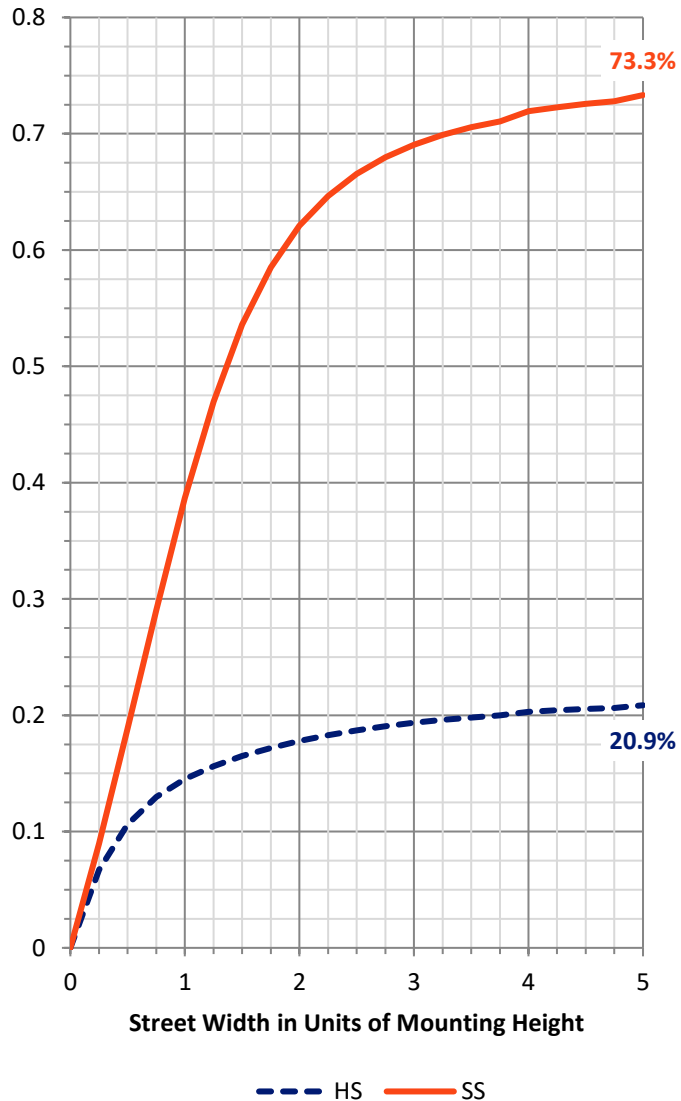
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1406.0	105.1	1511.1
	% Fixture	21.9	1.6	23.5
Street Side	Lumens	4806.3	107.6	4913.9
	% Fixture	74.8	1.7	76.5
Total	Lumens	6212.3	212.7	6425.0
	% Fixture	96.7	3.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.0	0.3
10°-20°	79.0	1.2
20°-30°	243.0	3.8
30°-40°	559.6	8.7
40°-50°	906.7	14.1
50°-60°	1345.0	20.9
60°-70°	1566.1	24.4
70°-80°	1075.8	16.7
80°-90°	419.1	6.5
90°-100°	118.9	1.9
100°-110°	43.5	0.7
110°-120°	22.4	0.3
120°-130°	14.0	0.2
130°-140°	9.3	0.1
140°-150°	4.3	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6212.3	96.7
0°-180°	6425.0	100.0

Coefficient of Utilization



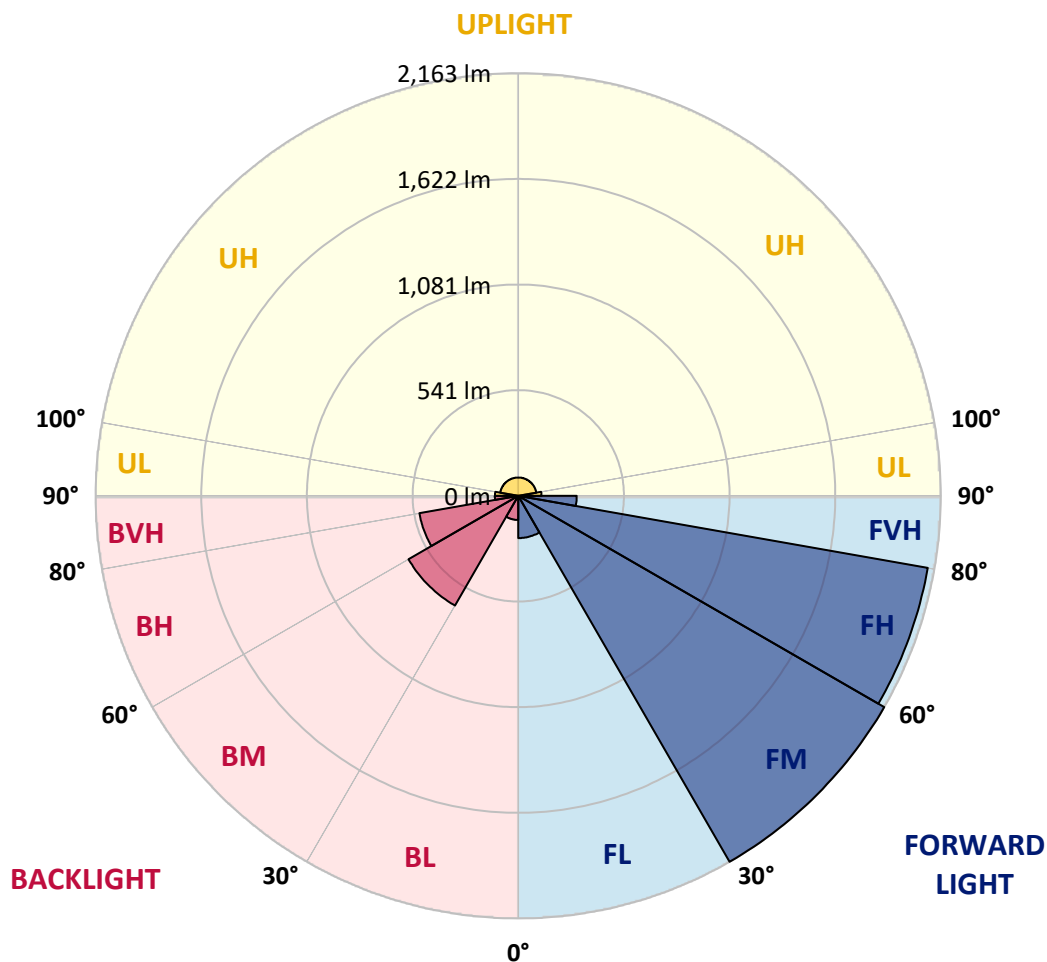
REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	216.4	3.4			
FM (30°-60°)	2162.9	33.7			
FH (60°-80°)	2128.1	33.1			G2/5000
FVH (80°-90°)	299.0	4.7			G3/500
BL (0°-30°)	123.7	1.9	B1/500		
BM (30°-60°)	648.5	10.1	B1/1000		
BH (60°-80°)	513.8	8.0	B2/1000		G2/1000
BVH (80°-90°)	120.1	1.9			G2/225
UL (90°-100°)	118.9	1.9		U3/500	
UH (100°-180°)	93.8	1.5		U3/500	

BUG Rating: B2-U3-G3

Type III Medium



REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9
2.5°	186.3	188.6	188.6	188.6	188.6	186.3	183.9	181.6	181.6	179.3	176.9
5°	209.5	209.5	207.2	207.2	204.9	202.6	197.9	193.2	188.6	188.6	183.9
7.5°	230.5	232.8	232.8	228.2	225.8	221.2	214.2	207.2	202.6	200.2	193.2
10°	263.1	265.4	263.1	258.4	253.8	246.8	237.5	230.5	223.5	218.8	211.9
12.5°	307.3	307.3	305.0	295.7	286.4	279.4	270.1	263.1	253.8	253.8	244.5
15°	360.9	363.2	356.2	349.2	335.3	323.6	312.0	307.3	302.7	302.7	291.0
17.5°	428.4	430.7	421.4	402.8	386.5	377.2	370.2	363.2	358.5	358.5	346.9
20°	528.5	514.5	512.2	472.6	454.0	440.0	435.4	430.7	433.0	428.4	421.4
22.5°	640.2	630.9	617.0	570.4	535.5	514.5	507.5	509.9	516.9	516.9	514.5
25°	773.0	775.3	740.4	682.2	628.6	598.3	596.0	619.3	626.3	630.9	628.6
27.5°	924.3	933.6	877.7	814.9	740.4	689.1	693.8	733.4	756.7	759.0	756.7
30°	1119.9	1124.5	1054.7	956.9	852.1	793.9	807.9	863.8	889.4	898.7	903.3
32.5°	1343.4	1343.4	1264.2	1136.2	980.2	898.7	912.6	1010.4	1071.0	1068.6	1082.6
35°	1557.6	1541.3	1473.7	1310.8	1122.2	1010.4	1045.4	1157.1	1231.6	1245.6	1238.6
37.5°	1706.6	1718.2	1655.3	1497.0	1266.5	1126.8	1175.7	1317.7	1415.5	1415.5	1396.9
40°	1804.3	1818.3	1760.1	1625.1	1408.5	1254.9	1308.4	1462.1	1536.6	1541.3	1473.7
42.5°	1909.1	1920.7	1881.2	1741.5	1527.3	1376.0	1424.8	1571.5	1646.0	1643.7	1573.8
45°	2025.5	2041.8	2023.2	1881.2	1646.0	1490.0	1531.9	1701.9	1799.7	1816.0	1725.2
47.5°	2167.5	2179.2	2158.2	2018.5	1778.7	1606.4	1671.6	1878.8	2006.9	2009.2	1904.4
50°	2246.7	2270.0	2302.6	2193.1	1930.1	1736.8	1836.9	2102.3	2251.3	2279.3	2139.6
52.5°	2295.6	2321.2	2374.7	2351.5	2121.0	1909.1	2058.1	2358.4	2486.5	2526.1	2323.5
55°	2377.1	2405.0	2463.2	2430.6	2270.0	2107.0	2265.3	2619.2	2768.2	2786.8	2607.6
57.5°	2263.0	2290.9	2449.2	2512.1	2372.4	2279.3	2486.5	2910.2	3094.1	3122.1	2873.0
60°	2160.5	2179.2	2283.9	2463.2	2432.9	2402.7	2724.0	3189.6	3340.9	3350.2	3031.3
62.5°	1969.6	2011.5	2132.6	2279.3	2360.8	2446.9	2896.3	3410.8	3569.1	3585.4	3187.3
65°	1704.2	1734.5	1869.5	2079.1	2176.8	2374.7	2968.4	3590.0	3734.4	3725.1	3264.1
67.5°	1515.6	1538.9	1657.7	1809.0	1951.0	2214.1	2884.6	3618.0	3794.9	3771.6	3208.2
70°	1189.7	1217.6	1352.7	1590.1	1701.9	1962.7	2686.7	3506.2	3659.9	3638.9	2954.5
72.5°	947.6	973.2	1101.2	1301.5	1490.0	1699.6	2423.6	3150.0	3210.6	3157.0	2488.8
75°	693.8	728.7	814.9	996.5	1222.3	1469.1	2041.8	2677.4	2726.3	2675.1	2020.9
77.5°	479.6	481.9	558.8	731.0	926.6	1238.6	1694.9	2223.4	2190.8	2137.3	1545.9
80°	307.3	312.0	360.9	472.6	672.8	935.9	1369.0	1771.7	1741.5	1718.2	1185.0
82.5°	197.9	190.9	232.8	309.6	456.3	679.8	1064.0	1420.2	1387.6	1331.7	896.3
85°	125.7	130.4	153.7	202.6	312.0	495.9	793.9	1017.4	975.5	924.3	612.3
87.5°	95.5	97.8	111.8	144.3	211.9	349.2	542.5	707.8	679.8	630.9	412.1
90°	72.2	74.5	83.8	104.8	146.7	237.5	360.9	444.7	412.1	386.5	265.4
92.5°	51.2	53.5	62.9	79.2	109.4	165.3	232.8	260.8	242.1	232.8	172.3
95°	37.3	39.6	46.6	58.2	81.5	114.1	146.7	158.3	146.7	142.0	121.1
97.5°	30.3	32.6	34.9	44.2	62.9	83.8	100.1	102.4	100.1	95.5	90.8
100°	25.6	25.6	30.3	34.9	48.9	67.5	74.5	74.5	74.5	74.5	69.8
102.5°	21.0	21.0	25.6	30.3	39.6	53.5	58.2	58.2	55.9	58.2	55.9
105°	18.6	18.6	21.0	25.6	34.9	44.2	46.6	44.2	44.2	44.2	44.2
107.5°	16.3	16.3	18.6	23.3	30.3	37.3	39.6	37.3	34.9	34.9	37.3
110°	14.0	14.0	16.3	18.6	25.6	32.6	32.6	27.9	27.9	27.9	30.3

REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	14.0	14.0	16.3	18.6	23.3	27.9	25.6	23.3	23.3	23.3	25.6
115°	14.0	14.0	14.0	16.3	21.0	23.3	23.3	21.0	18.6	21.0	23.3
117.5°	14.0	14.0	14.0	16.3	18.6	21.0	21.0	18.6	16.3	18.6	21.0
120°	14.0	14.0	14.0	16.3	18.6	18.6	18.6	16.3	16.3	16.3	18.6
122.5°	11.6	11.6	14.0	14.0	16.3	16.3	16.3	14.0	14.0	14.0	18.6
125°	11.6	11.6	14.0	14.0	16.3	16.3	14.0	14.0	14.0	14.0	16.3
127.5°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	11.6	14.0	14.0	16.3
130°	14.0	14.0	14.0	14.0	14.0	14.0	11.6	11.6	14.0	14.0	16.3
132.5°	14.0	14.0	14.0	14.0	14.0	11.6	11.6	11.6	11.6	14.0	14.0
135°	14.0	14.0	14.0	14.0	11.6	11.6	9.3	11.6	11.6	11.6	14.0
137.5°	11.6	11.6	11.6	11.6	11.6	9.3	9.3	9.3	9.3	11.6	11.6
140°	11.6	9.3	9.3	9.3	9.3	9.3	7.0	7.0	9.3	9.3	11.6
142.5°	9.3	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3	9.3
145°	7.0	7.0	7.0	7.0	7.0	4.7	4.7	4.7	7.0	7.0	7.0
147.5°	7.0	4.7	7.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.0
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9	176.9
2.5°	176.9	174.6	174.6	172.3	170.0	170.0	167.6	167.6	167.6	167.6	165.3
5°	181.6	179.3	174.6	170.0	165.3	163.0	160.6	158.3	156.0	156.0	156.0
7.5°	188.6	186.3	179.3	172.3	165.3	158.3	153.7	151.3	149.0	146.7	146.7
10°	207.2	200.2	188.6	176.9	167.6	158.3	151.3	146.7	144.3	142.0	142.0
12.5°	232.8	230.5	211.9	193.2	176.9	163.0	153.7	151.3	149.0	149.0	146.7
15°	281.7	272.4	251.4	221.2	195.6	174.6	167.6	165.3	170.0	170.0	172.3
17.5°	335.3	323.6	295.7	258.4	223.5	200.2	190.9	193.2	197.9	202.6	202.6
20°	405.1	393.5	356.2	302.7	260.8	232.8	221.2	221.2	230.5	237.5	237.5
22.5°	500.6	479.6	426.1	353.9	298.0	265.4	249.1	246.8	258.4	265.4	265.4
25°	612.3	582.0	512.2	416.7	337.6	291.0	272.4	274.7	288.7	300.3	300.3
27.5°	728.7	696.1	598.3	474.9	374.8	309.6	293.4	302.7	321.3	332.9	335.3
30°	870.7	826.5	689.1	533.2	402.8	325.9	309.6	323.6	346.9	363.2	365.5
32.5°	1031.4	975.5	803.2	591.4	423.7	335.3	319.0	346.9	374.8	398.1	398.1
35°	1185.0	1110.5	887.0	635.6	435.4	337.6	328.3	363.2	395.8	416.7	416.7
37.5°	1322.4	1226.9	956.9	658.9	435.4	337.6	330.6	370.2	400.4	414.4	412.1
40°	1376.0	1261.9	959.2	647.2	428.4	332.9	328.3	365.5	388.8	393.5	388.8
42.5°	1457.4	1317.7	942.9	607.7	405.1	325.9	321.3	349.2	363.2	363.2	358.5
45°	1583.2	1403.9	945.2	568.1	379.5	312.0	309.6	335.3	351.6	356.2	351.6
47.5°	1736.8	1511.0	947.6	533.2	356.2	300.3	302.7	332.9	349.2	344.6	342.2
50°	1939.4	1653.0	959.2	500.6	342.2	291.0	302.7	335.3	346.9	337.6	332.9
52.5°	2088.4	1736.8	938.3	470.3	332.9	288.7	307.3	339.9	346.9	332.9	332.9
55°	2307.2	1853.2	894.0	430.7	323.6	291.0	312.0	344.6	346.9	335.3	332.9
57.5°	2500.5	1958.0	868.4	395.8	314.3	295.7	319.0	351.6	356.2	349.2	346.9
60°	2588.9	1983.6	800.9	372.5	307.3	300.3	328.3	363.2	379.5	374.8	377.2
62.5°	2696.0	1988.3	735.7	351.6	305.0	305.0	339.9	386.5	407.4	407.4	409.8
65°	2689.0	1927.7	658.9	332.9	302.7	309.6	353.9	407.4	433.0	440.0	442.4
67.5°	2595.9	1809.0	575.1	314.3	298.0	312.0	365.5	428.4	458.7	470.3	472.6
70°	2307.2	1587.8	491.2	298.0	288.7	307.3	367.9	440.0	470.3	481.9	484.3
72.5°	1892.8	1259.5	400.4	274.7	272.4	293.4	358.5	433.0	456.3	461.0	465.6
75°	1511.0	998.8	332.9	249.1	249.1	270.1	332.9	398.1	414.4	419.1	412.1
77.5°	1131.5	756.7	277.1	225.8	225.8	246.8	300.3	351.6	365.5	363.2	365.5
80°	856.8	572.7	235.1	202.6	202.6	218.8	267.7	312.0	323.6	319.0	316.6
82.5°	642.6	428.4	204.9	181.6	181.6	195.6	232.8	270.1	279.4	279.4	272.4
85°	440.0	307.3	179.3	160.6	160.6	172.3	200.2	228.2	242.1	239.8	235.1
87.5°	307.3	232.8	158.3	144.3	142.0	151.3	172.3	197.9	214.2	216.5	211.9
90°	211.9	174.6	137.4	123.4	123.4	130.4	149.0	170.0	186.3	188.6	183.9
92.5°	149.0	132.7	114.1	104.8	102.4	111.8	123.4	137.4	146.7	146.7	149.0
95°	109.4	102.4	90.8	81.5	81.5	90.8	97.8	100.1	107.1	107.1	104.8
97.5°	83.8	81.5	74.5	65.2	62.9	72.2	74.5	76.8	81.5	79.2	76.8
100°	69.8	67.5	60.5	53.5	51.2	58.2	60.5	62.9	67.5	62.9	62.9
102.5°	55.9	55.9	51.2	44.2	44.2	48.9	51.2	53.5	55.9	53.5	51.2
105°	46.6	46.6	44.2	39.6	37.3	41.9	44.2	44.2	46.6	44.2	44.2
107.5°	37.3	39.6	37.3	32.6	32.6	34.9	37.3	37.3	37.3	37.3	37.3
110°	32.6	32.6	32.6	27.9	30.3	32.6	32.6	32.6	32.6	32.6	32.6

REPORT NUMBER: P695681
 CATALOG NUMBER: LXF.LXT-PA16-60-740-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.9	27.9	27.9	25.6	25.6	27.9	27.9	27.9	27.9	27.9	27.9
115°	25.6	25.6	25.6	23.3	23.3	25.6	23.3	23.3	23.3	25.6	25.6
117.5°	23.3	23.3	23.3	21.0	21.0	21.0	21.0	21.0	21.0	23.3	23.3
120°	21.0	21.0	21.0	18.6	18.6	18.6	18.6	18.6	18.6	21.0	21.0
122.5°	18.6	18.6	18.6	18.6	16.3	18.6	16.3	16.3	16.3	18.6	18.6
125°	16.3	18.6	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	18.6
127.5°	16.3	16.3	16.3	16.3	14.0	14.0	14.0	14.0	14.0	16.3	16.3
130°	16.3	16.3	16.3	14.0	14.0	14.0	11.6	11.6	14.0	14.0	16.3
132.5°	16.3	16.3	14.0	14.0	11.6	11.6	11.6	11.6	14.0	14.0	14.0
135°	14.0	14.0	14.0	11.6	11.6	11.6	9.3	11.6	11.6	14.0	14.0
137.5°	11.6	11.6	11.6	11.6	9.3	9.3	9.3	9.3	11.6	11.6	11.6
140°	11.6	11.6	9.3	9.3	9.3	7.0	7.0	9.3	9.3	11.6	11.6
142.5°	9.3	9.3	9.3	7.0	7.0	7.0	7.0	7.0	9.3	9.3	9.3
145°	7.0	7.0	7.0	7.0	4.7	4.7	7.0	7.0	7.0	9.3	9.3
147.5°	7.0	7.0	7.0	4.7	4.7	4.7	4.7	7.0	7.0	7.0	7.0
150°	4.7	4.7	4.7	4.7	2.3	2.3	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)