

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: P695079

Luminaire Tested: **LXF.LXT-PA16-40-730-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695079
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-15)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4260 lumens
Efficiency: N/A
Efficacy: 106.0 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 - G2

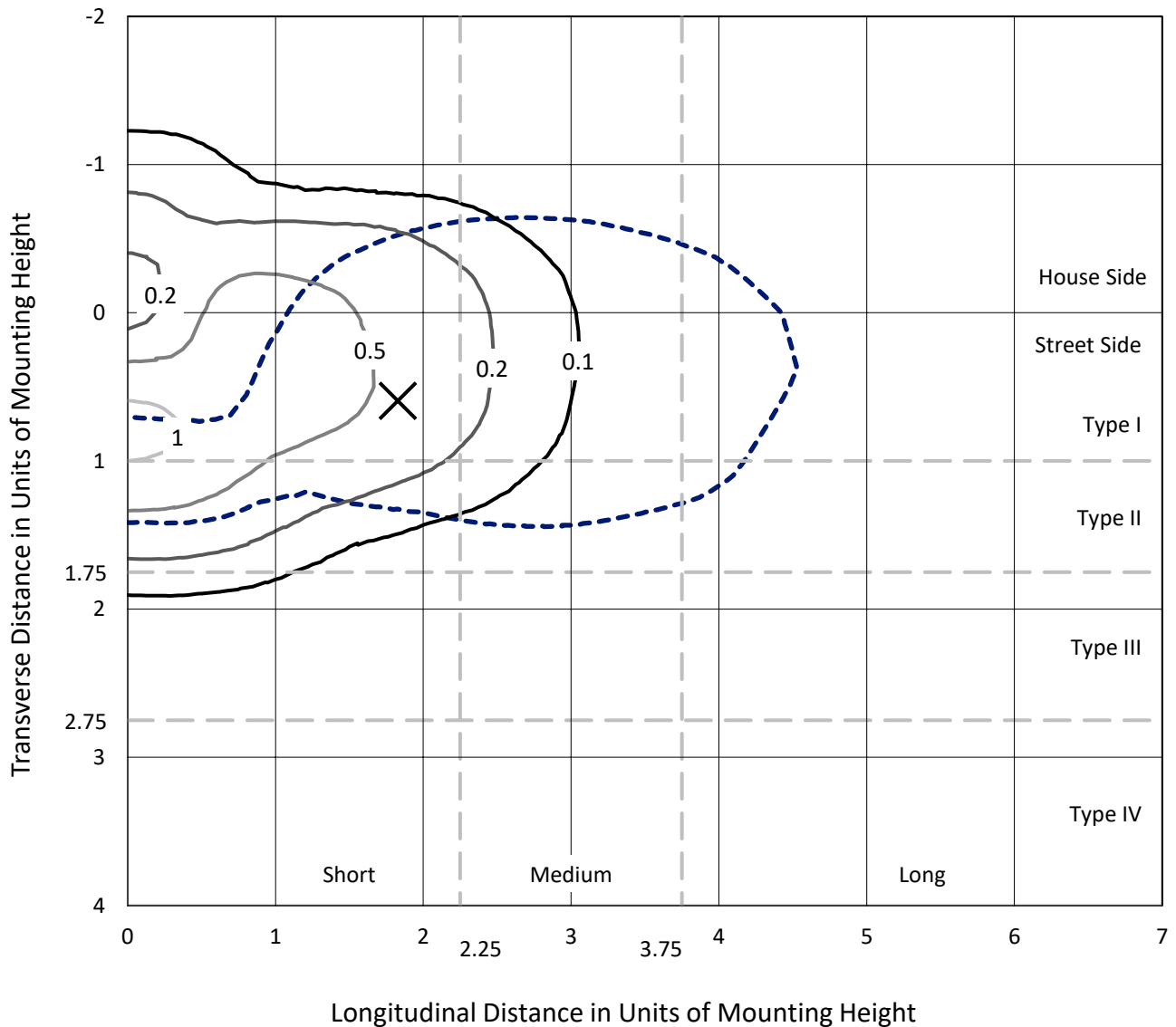
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

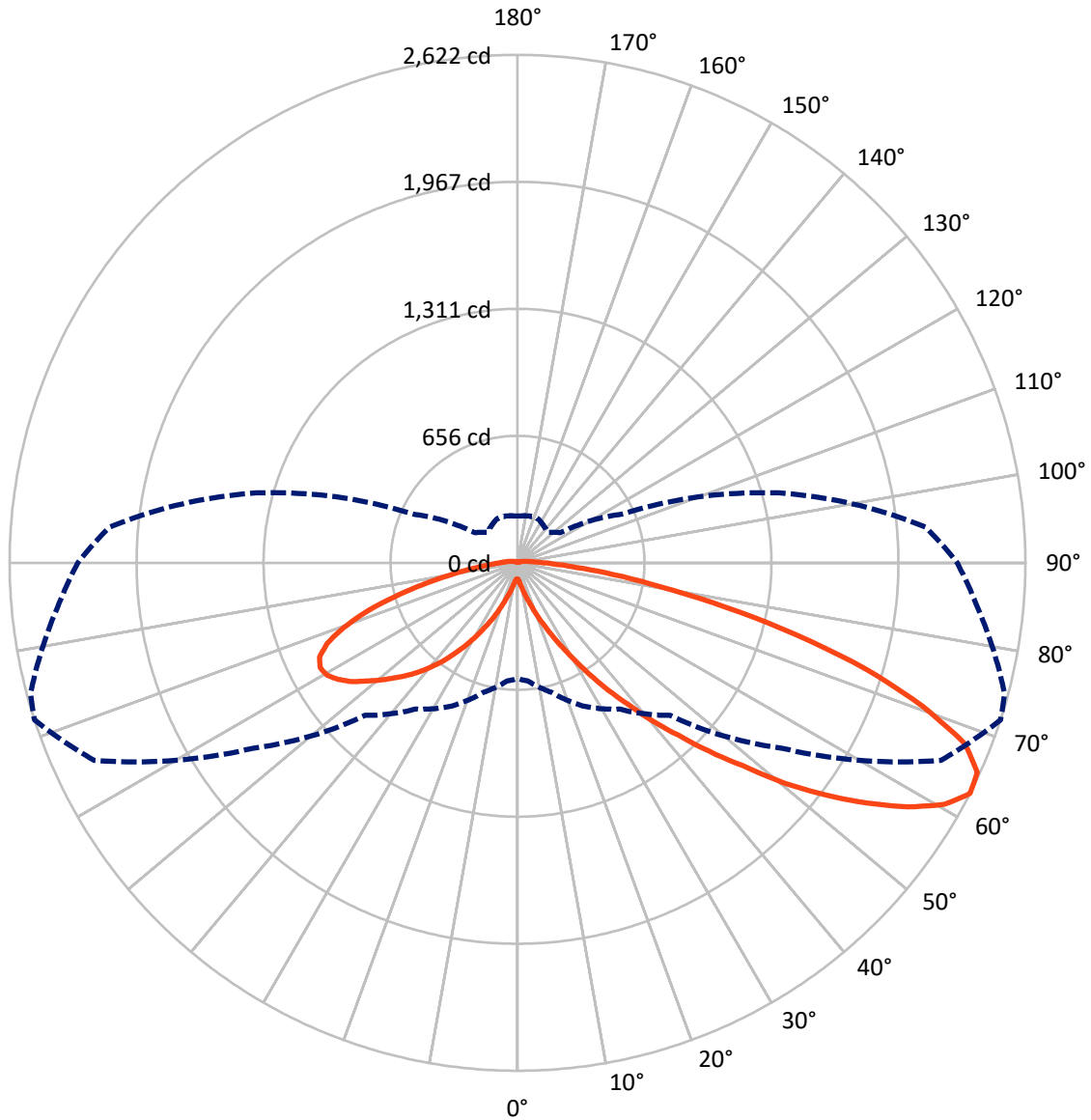
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

REPORT NUMBER: P695079
CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

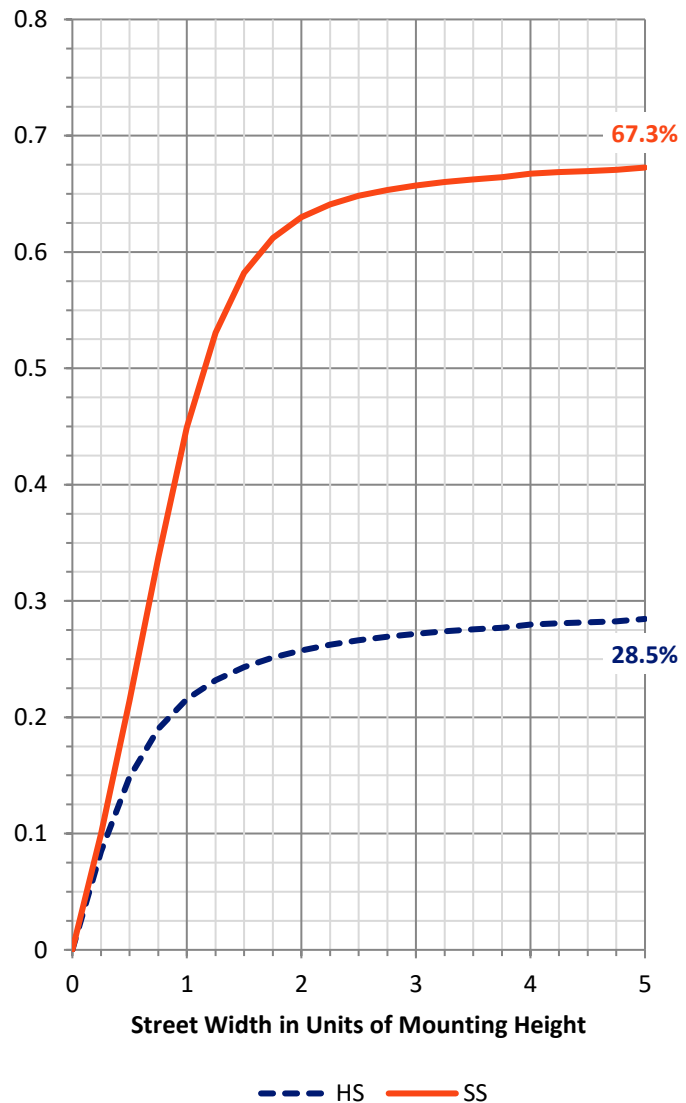
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1249.0	63.6	1312.6
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	2895.9	51.5	2947.4
	% Fixture	68.0	1.2	69.2
Total	Lumens	4144.9	115.1	4260.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	0.2
10°-20°	53.8	1.3
20°-30°	177.6	4.2
30°-40°	424.2	10.0
40°-50°	754.1	17.7
50°-60°	997.1	23.4
60°-70°	958.0	22.5
70°-80°	581.5	13.7
80°-90°	188.7	4.4
90°-100°	58.0	1.4
100°-110°	27.1	0.6
110°-120°	14.0	0.3
120°-130°	8.3	0.2
130°-140°	5.0	0.1
140°-150°	2.5	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4144.9	97.3
0°-180°	4260.0	100.0

Coefficient of Utilization

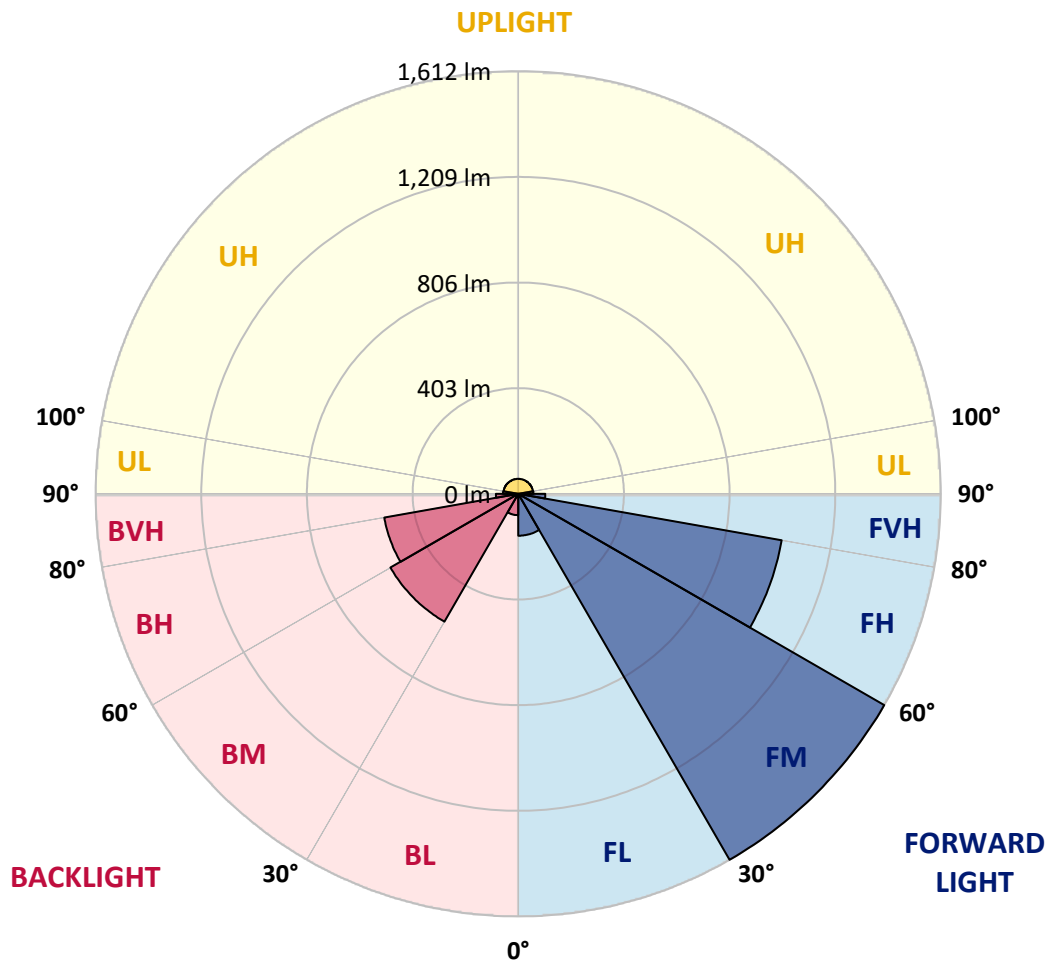


REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	159.8	3.8			
FM (30°-60°)	1612.4	37.8			
FH (60°-80°)	1020.5	24.0			G1/1800
FVH (80°-90°)	103.2	2.4			G2/225
BL (0°-30°)	81.5	1.9	B0/110		
BM (30°-60°)	563.1	13.2	B1/1000		
BH (60°-80°)	519.0	12.2	B2/1000		G2/1000
BVH (80°-90°)	85.4	2.0			G1/100
UL (90°-100°)	58.0	1.4		U3/500	
UH (100°-180°)	57.1	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2.5°	94.0	95.5	94.0	95.5	94.0	92.5	92.5	89.6	89.6	88.1	86.6
5°	111.9	113.4	113.4	111.9	109.0	107.5	103.0	101.5	98.5	97.0	94.0
7.5°	137.3	135.8	137.3	132.8	131.3	128.4	122.4	117.9	113.4	111.9	107.5
10°	170.1	168.7	167.2	164.2	159.7	153.7	147.8	138.8	135.8	134.3	126.9
12.5°	209.0	211.9	207.5	203.0	195.5	188.1	177.6	167.2	162.7	161.2	149.3
15°	265.7	265.7	259.7	252.2	237.3	225.4	214.9	204.5	197.0	194.0	183.6
17.5°	337.3	332.8	325.4	307.5	294.0	274.6	262.7	246.3	238.8	237.3	223.9
20°	416.4	419.4	403.0	380.6	355.2	331.3	313.4	297.0	289.5	288.1	271.6
22.5°	520.9	520.9	498.5	468.7	426.9	394.0	373.1	356.7	346.3	340.3	329.8
25°	641.8	641.8	616.4	558.2	513.4	468.7	438.8	420.9	416.4	410.4	395.5
27.5°	786.6	791.0	743.3	685.1	603.0	549.2	513.4	503.0	494.0	497.0	467.2
30°	953.7	946.3	895.5	806.0	711.9	641.8	606.0	591.0	585.1	586.6	559.7
32.5°	1113.4	1101.5	1055.2	952.2	826.9	747.8	707.5	695.5	691.0	685.1	652.2
35°	1298.5	1288.0	1222.4	1097.0	958.2	855.2	807.5	807.5	807.5	800.0	752.2
37.5°	1477.6	1458.2	1386.6	1249.2	1088.0	971.6	931.3	937.3	928.3	917.9	864.2
40°	1620.9	1607.4	1538.8	1398.5	1220.9	1098.5	1059.7	1068.6	1073.1	1058.2	983.6
42.5°	1722.4	1716.4	1661.2	1529.8	1340.3	1223.9	1208.9	1219.4	1216.4	1200.0	1117.9
45°	1771.6	1765.7	1729.8	1622.4	1456.7	1347.7	1349.2	1395.5	1388.0	1370.1	1252.2
47.5°	1744.8	1752.2	1738.8	1671.6	1529.8	1452.2	1494.0	1576.1	1565.7	1549.2	1404.5
50°	1664.2	1661.2	1682.1	1658.2	1558.2	1522.4	1635.8	1785.1	1788.0	1744.8	1579.1
52.5°	1495.5	1503.0	1562.7	1576.1	1534.3	1549.2	1755.2	1986.5	1992.5	1940.3	1746.3
55°	1295.5	1294.0	1371.6	1440.3	1443.3	1519.4	1823.9	2159.7	2189.5	2150.7	1925.4
57.5°	1029.8	1056.7	1137.3	1246.3	1300.0	1428.3	1847.7	2314.9	2377.6	2323.9	2086.5
60°	797.0	817.9	914.9	1032.8	1119.4	1289.5	1788.0	2400.0	2532.8	2495.5	2259.7
62.5°	598.5	611.9	694.0	817.9	922.4	1113.4	1668.6	2411.9	2622.4	2603.0	2374.6
65°	440.3	447.8	526.9	634.3	737.3	903.0	1453.7	2310.4	2608.9	2622.4	2453.7
67.5°	319.4	331.3	389.5	485.1	573.1	723.9	1219.4	2092.5	2491.0	2529.8	2425.4
70°	252.2	258.2	298.5	373.1	437.3	552.2	983.6	1792.5	2219.4	2307.4	2283.6
72.5°	203.0	206.0	237.3	294.0	335.8	419.4	743.3	1449.2	1888.0	1989.5	2044.8
75°	167.2	170.1	195.5	234.3	267.2	313.4	544.8	1097.0	1483.6	1594.0	1713.4
77.5°	132.8	138.8	158.2	188.1	211.9	238.8	382.1	792.5	1097.0	1183.6	1322.4
80°	106.0	109.0	126.9	150.7	168.7	188.1	280.6	525.4	741.8	849.2	953.7
82.5°	80.6	83.6	97.0	116.4	131.3	144.8	200.0	346.3	498.5	552.2	610.4
85°	58.2	58.2	71.6	88.1	101.5	114.9	146.3	225.4	304.5	335.8	376.1
87.5°	38.8	40.3	49.3	64.2	79.1	89.6	107.5	147.8	194.0	204.5	231.3
90°	26.9	28.4	34.3	46.3	59.7	70.1	80.6	101.5	122.4	132.8	152.2
92.5°	19.4	20.9	26.9	34.3	46.3	56.7	64.2	73.1	86.6	94.0	104.5
95°	14.9	16.4	20.9	28.4	37.3	46.3	52.2	56.7	65.7	70.1	77.6
97.5°	13.4	13.4	17.9	23.9	31.3	38.8	43.3	46.3	52.2	55.2	61.2
100°	11.9	11.9	14.9	20.9	26.9	32.8	35.8	37.3	41.8	43.3	47.8
102.5°	10.4	10.4	13.4	17.9	23.9	28.4	31.3	31.3	34.3	34.3	37.3
105°	9.0	9.0	11.9	16.4	20.9	25.4	26.9	26.9	26.9	28.4	28.4
107.5°	9.0	9.0	10.4	14.9	17.9	22.4	23.9	22.4	22.4	22.4	22.4
110°	7.5	7.5	10.4	13.4	16.4	19.4	19.4	19.4	17.9	17.9	17.9

REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	7.5	7.5	9.0	11.9	14.9	16.4	17.9	16.4	14.9	14.9	14.9
115°	7.5	7.5	9.0	10.4	13.4	14.9	14.9	13.4	11.9	11.9	11.9
117.5°	6.0	7.5	7.5	10.4	11.9	13.4	13.4	11.9	10.4	10.4	10.4
120°	6.0	6.0	7.5	9.0	10.4	11.9	11.9	10.4	9.0	9.0	10.4
122.5°	6.0	6.0	7.5	9.0	10.4	10.4	10.4	9.0	9.0	9.0	9.0
125°	6.0	6.0	6.0	7.5	9.0	10.4	9.0	9.0	7.5	7.5	9.0
127.5°	6.0	6.0	6.0	7.5	9.0	9.0	9.0	7.5	7.5	7.5	7.5
130°	6.0	6.0	6.0	6.0	7.5	7.5	7.5	7.5	6.0	6.0	7.5
132.5°	6.0	6.0	6.0	6.0	7.5	7.5	7.5	6.0	6.0	6.0	6.0
135°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.5	6.0	6.0
137.5°	6.0	6.0	4.5	6.0	6.0	6.0	6.0	4.5	4.5	4.5	6.0
140°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	3.0	3.0	4.5	4.5
145°	4.5	4.5	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0
147.5°	4.5	4.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	3.0	3.0	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	3.0
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

REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2.5°	86.6	85.1	83.6	82.1	82.1	80.6	80.6	79.1	79.1	79.1	79.1
5°	92.5	91.0	88.1	85.1	82.1	80.6	77.6	76.1	76.1	74.6	74.6
7.5°	106.0	101.5	97.0	92.5	88.1	83.6	80.6	77.6	76.1	76.1	76.1
10°	122.4	119.4	110.4	104.5	98.5	92.5	88.1	83.6	80.6	80.6	79.1
12.5°	147.8	143.3	131.3	123.9	113.4	104.5	98.5	92.5	89.6	88.1	88.1
15°	177.6	171.6	161.2	146.3	132.8	120.9	111.9	107.5	104.5	103.0	103.0
17.5°	217.9	209.0	192.5	174.6	156.7	140.3	131.3	123.9	119.4	120.9	120.9
20°	265.7	255.2	232.8	209.0	183.6	165.7	150.7	143.3	140.3	140.3	140.3
22.5°	317.9	306.0	282.1	249.3	216.4	191.0	171.6	162.7	162.7	162.7	162.7
25°	386.6	365.7	335.8	292.5	249.3	213.4	192.5	185.1	185.1	186.6	188.1
27.5°	452.2	438.8	394.0	338.8	283.6	237.3	210.4	203.0	207.5	210.4	211.9
30°	535.8	511.9	458.2	386.6	314.9	256.7	226.9	220.9	228.4	232.8	234.3
32.5°	628.4	595.5	526.9	438.8	343.3	271.6	238.8	235.8	243.3	250.7	250.7
35°	722.4	683.6	597.0	489.5	365.7	280.6	246.3	246.3	255.2	262.7	262.7
37.5°	825.4	773.1	673.1	532.8	383.6	285.1	250.7	252.2	262.7	267.2	268.7
40°	934.3	874.6	744.8	573.1	392.5	283.6	252.2	256.7	264.2	268.7	268.7
42.5°	1047.8	980.6	822.4	603.0	394.0	280.6	250.7	256.7	264.2	265.7	265.7
45°	1176.1	1097.0	897.0	625.4	388.1	274.6	249.3	256.7	261.2	259.7	259.7
47.5°	1317.9	1220.9	968.6	643.3	376.1	267.2	247.8	256.7	258.2	255.2	253.7
50°	1477.6	1358.2	1052.2	650.7	362.7	259.7	246.3	255.2	255.2	249.3	249.3
52.5°	1643.3	1516.4	1137.3	652.2	346.3	252.2	246.3	255.2	253.7	244.8	244.8
55°	1795.5	1671.6	1228.3	650.7	328.4	243.3	243.3	255.2	252.2	243.3	243.3
57.5°	1991.0	1837.3	1304.5	638.8	309.0	237.3	241.8	255.2	250.7	241.8	241.8
60°	2137.3	1989.5	1364.2	622.4	291.0	228.4	238.8	253.7	249.3	241.8	241.8
62.5°	2270.1	2114.9	1394.0	594.0	270.1	220.9	234.3	250.7	249.3	243.3	241.8
65°	2337.3	2168.6	1382.1	550.7	250.7	211.9	229.8	247.8	246.3	241.8	241.8
67.5°	2320.9	2147.7	1314.9	495.5	231.3	203.0	222.4	238.8	240.3	238.8	238.8
70°	2200.0	2008.9	1188.0	426.9	213.4	191.0	213.4	229.8	231.3	231.3	232.8
72.5°	1964.2	1774.6	1023.9	362.7	194.0	179.1	200.0	216.4	219.4	220.9	219.4
75°	1650.7	1458.2	819.4	300.0	176.1	165.7	185.1	200.0	204.5	204.5	204.5
77.5°	1270.1	1114.9	617.9	240.3	158.2	150.7	168.7	182.1	185.1	186.6	185.1
80°	901.5	786.6	435.8	194.0	140.3	135.8	149.3	159.7	162.7	165.7	164.2
82.5°	588.1	525.4	306.0	153.7	120.9	117.9	129.8	137.3	140.3	140.3	138.8
85°	356.7	326.9	201.5	122.4	103.0	100.0	109.0	113.4	114.9	114.9	114.9
87.5°	222.4	201.5	141.8	98.5	86.6	85.1	89.6	91.0	95.5	94.0	92.5
90°	143.3	134.3	104.5	77.6	70.1	70.1	73.1	73.1	76.1	76.1	73.1
92.5°	103.0	98.5	80.6	64.2	58.2	59.7	61.2	59.7	61.2	61.2	61.2
95°	79.1	76.1	67.2	55.2	49.3	50.7	49.3	49.3	50.7	50.7	49.3
97.5°	62.7	62.7	55.2	46.3	43.3	41.8	43.3	41.8	43.3	41.8	40.3
100°	49.3	49.3	46.3	40.3	37.3	35.8	37.3	35.8	37.3	35.8	34.3
102.5°	38.8	40.3	38.8	34.3	32.8	31.3	31.3	31.3	31.3	29.9	29.9
105°	29.9	31.3	32.8	29.9	28.4	26.9	26.9	26.9	26.9	25.4	23.9
107.5°	23.9	25.4	26.9	25.4	25.4	23.9	23.9	23.9	22.4	20.9	20.9
110°	19.4	20.9	22.4	22.4	20.9	20.9	20.9	20.9	19.4	17.9	17.9

REPORT NUMBER: P695079
 CATALOG NUMBER: LXF.LXT-PA16-40-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	16.4	16.4	17.9	19.4	19.4	19.4	19.4	17.9	16.4	16.4	16.4
115°	13.4	14.9	16.4	16.4	16.4	16.4	16.4	14.9	14.9	13.4	13.4
117.5°	11.9	11.9	13.4	14.9	14.9	14.9	14.9	13.4	11.9	11.9	13.4
120°	10.4	10.4	11.9	13.4	13.4	13.4	13.4	11.9	10.4	11.9	11.9
122.5°	10.4	10.4	10.4	11.9	11.9	11.9	11.9	10.4	10.4	10.4	10.4
125°	9.0	9.0	10.4	10.4	10.4	10.4	10.4	9.0	9.0	10.4	10.4
127.5°	9.0	9.0	9.0	9.0	10.4	10.4	9.0	9.0	9.0	9.0	9.0
130°	7.5	7.5	9.0	9.0	9.0	9.0	9.0	7.5	7.5	9.0	9.0
132.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
135°	6.0	6.0	7.5	7.5	7.5	7.5	7.5	6.0	7.5	7.5	7.5
137.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.5	7.5
140°	4.5	4.5	4.5	6.0	6.0	6.0	6.0	4.5	6.0	6.0	6.0
142.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	6.0	6.0
145°	3.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5	4.5
150°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.5	4.5
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)