

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: P695044

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695044
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-727-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3706 lumens
Efficiency: N/A
Efficacy: 92.2 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: B1 - U3 - G2

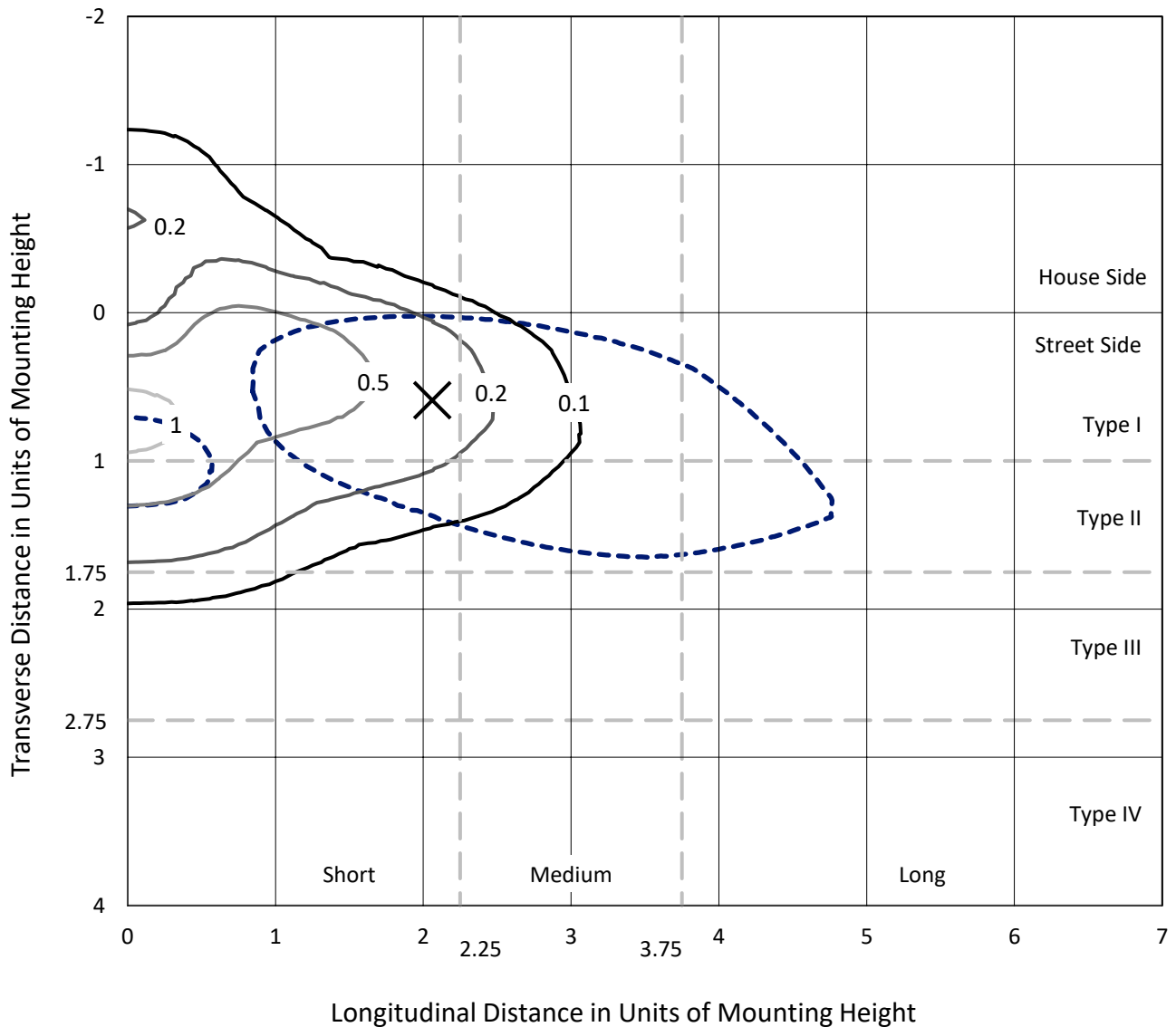
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

Iso-Footcandle Lines of Horizontal Illumination

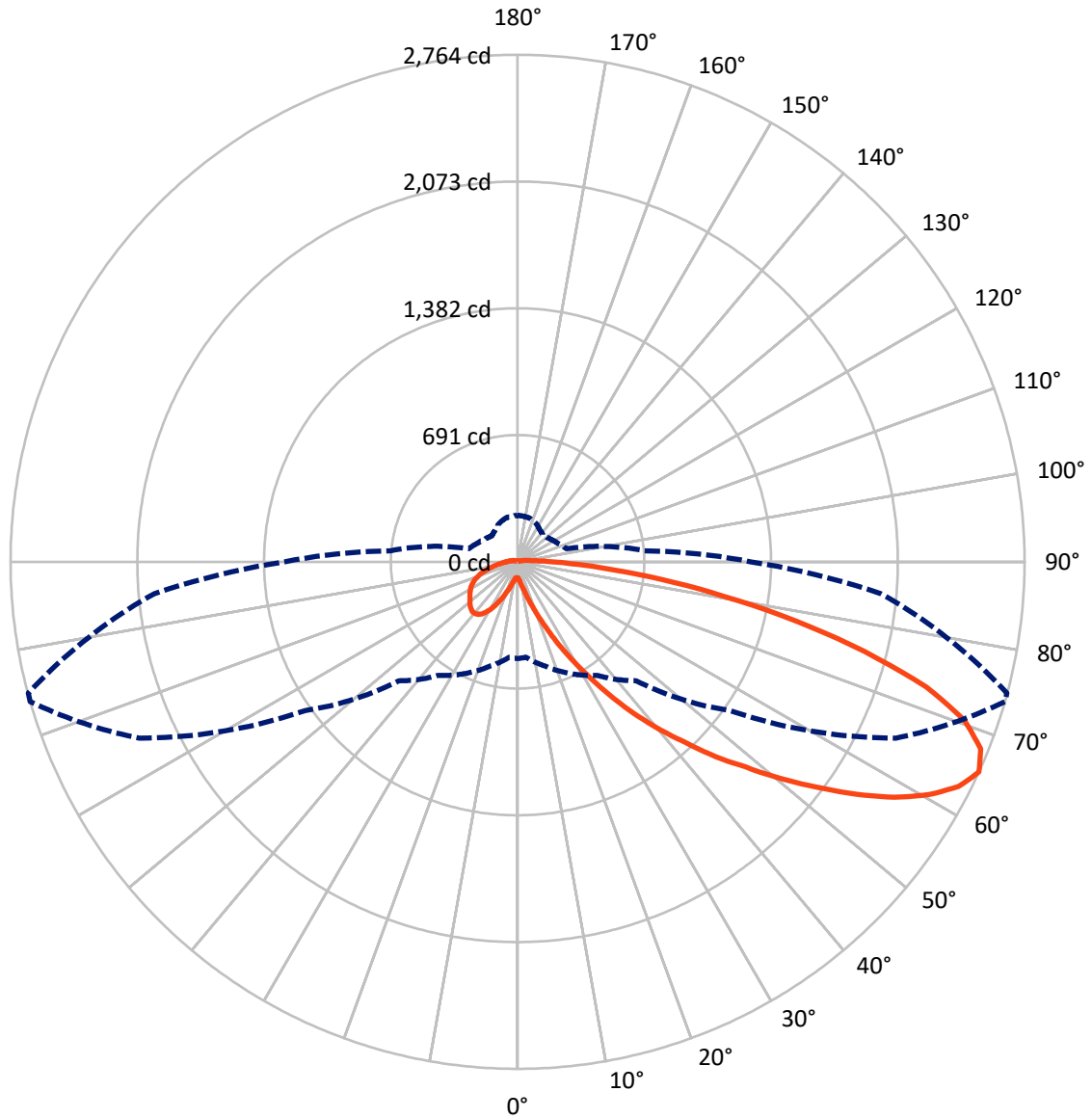
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695044
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

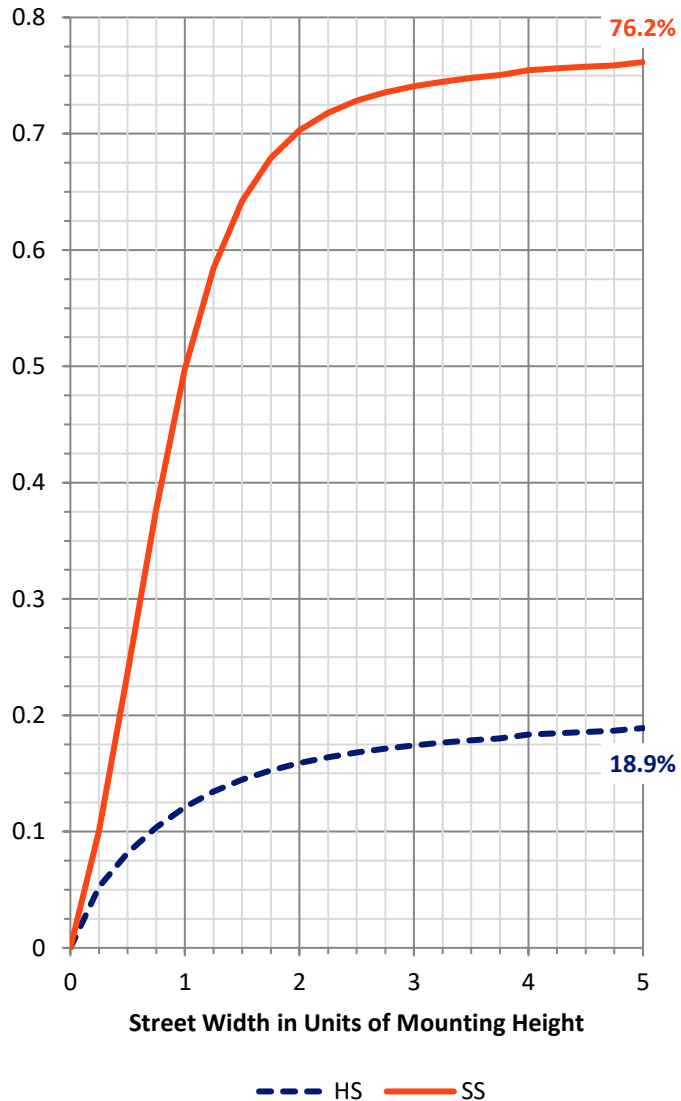
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	735.3	60.0	795.3
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	2857.0	53.7	2910.7
	% Fixture	77.1	1.4	78.5
Total	Lumens	3592.3	113.6	3706.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.3
10°-20°	53.4	1.4
20°-30°	177.6	4.8
30°-40°	407.1	11.0
40°-50°	651.5	17.6
50°-60°	808.7	21.8
60°-70°	784.9	21.2
70°-80°	511.9	13.8
80°-90°	187.2	5.1
90°-100°	55.9	1.5
100°-110°	25.8	0.7
110°-120°	14.3	0.4
120°-130°	8.9	0.2
130°-140°	5.6	0.2
140°-150°	2.8	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3592.3	96.9
0°-180°	3706.0	100.0

Coefficient of Utilization

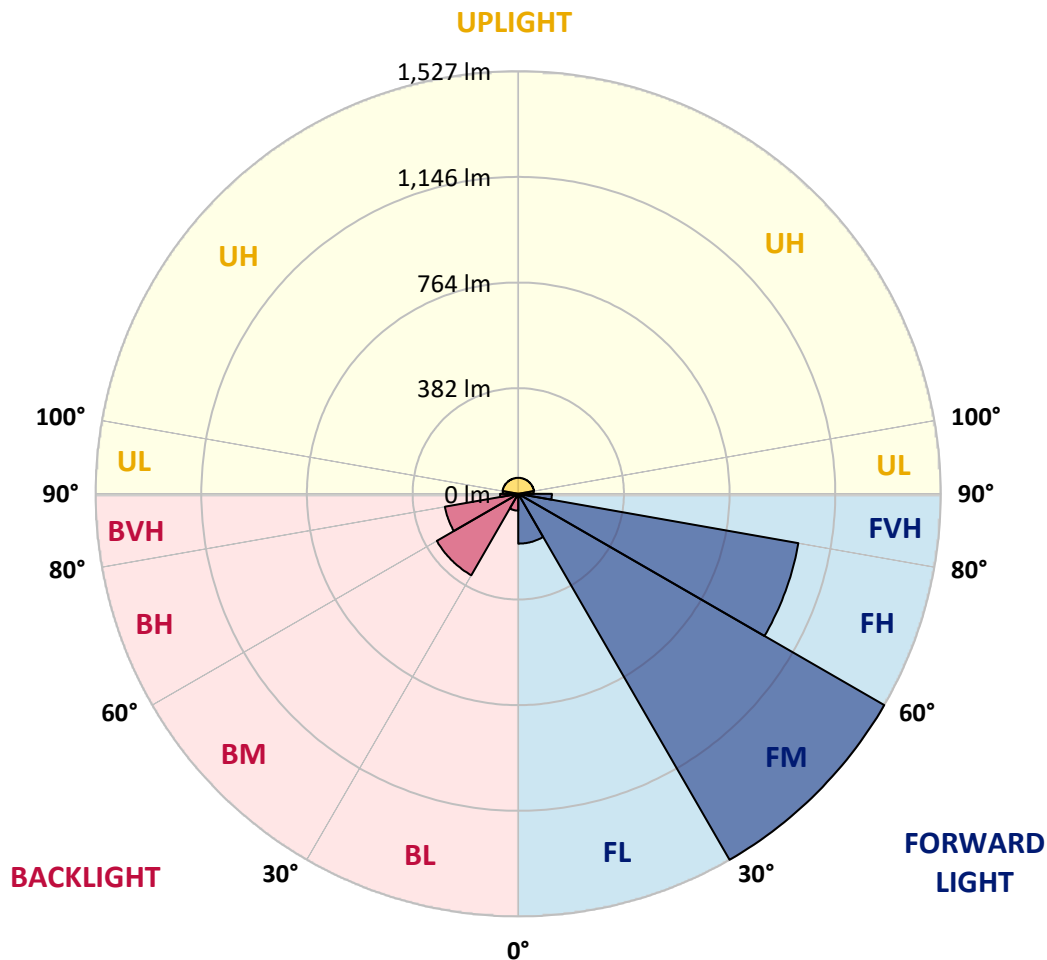


REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.1	4.9			
FM (30°-60°)	1527.4	41.2			
FH (60°-80°)	1027.9	27.7			G1/1800
FVH (80°-90°)	121.5	3.3			G2/225
BL (0°-30°)	60.9	1.6	B0/110		
BM (30°-60°)	339.9	9.2	B1/1000		
BH (60°-80°)	268.9	7.3	B1/500		G1/500
BVH (80°-90°)	65.6	1.8			G1/100
UL (90°-100°)	55.9	1.5		U3/500	
UH (100°-180°)	57.8	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2.5°	100.3	101.7	101.7	100.3	98.9	98.9	96.2	93.4	92.1	92.1	90.7
5°	122.3	123.7	123.7	120.9	116.8	115.4	109.9	105.8	101.7	101.7	96.2
7.5°	153.9	155.2	152.5	149.8	144.3	138.8	131.9	123.7	115.4	114.0	107.2
10°	191.0	195.1	192.3	185.5	177.2	170.4	159.4	145.6	137.4	134.6	122.3
12.5°	248.7	245.9	239.1	232.2	222.6	208.8	193.7	177.2	160.7	162.1	145.6
15°	307.8	313.2	303.6	291.3	272.0	256.9	236.3	218.4	200.6	197.8	175.9
17.5°	394.3	392.9	381.9	357.2	328.4	313.2	291.3	269.3	248.7	241.8	213.0
20°	496.0	494.6	472.6	441.0	413.5	383.3	353.1	329.7	305.0	299.5	262.4
22.5°	616.9	611.4	588.0	542.7	496.0	458.9	427.3	409.4	376.4	371.0	320.1
25°	757.0	744.6	718.5	658.1	586.7	544.1	515.2	494.6	463.0	456.1	390.2
27.5°	912.3	904.0	855.9	776.2	691.1	625.1	604.5	590.8	564.7	556.4	468.5
30°	1057.9	1060.6	1008.4	908.1	799.6	719.9	704.8	706.2	671.8	665.0	560.5
32.5°	1231.0	1220.0	1152.7	1037.3	901.3	818.8	805.1	824.3	795.5	790.0	660.8
35°	1368.4	1376.6	1305.2	1162.3	1004.3	909.5	915.0	946.6	930.1	921.9	750.1
37.5°	1500.3	1493.4	1409.6	1268.1	1093.6	994.7	1015.3	1085.4	1068.9	1059.3	855.9
40°	1588.2	1580.0	1507.2	1354.7	1174.7	1073.0	1112.9	1217.3	1210.4	1206.3	946.6
42.5°	1629.4	1618.4	1559.4	1415.1	1233.8	1134.8	1213.1	1351.9	1350.5	1346.4	1051.0
45°	1619.8	1613.0	1567.6	1450.8	1272.2	1192.5	1302.5	1492.0	1516.8	1497.5	1147.2
47.5°	1577.2	1570.4	1538.8	1450.8	1292.8	1228.3	1382.1	1639.1	1670.7	1652.8	1254.4
50°	1492.0	1489.3	1481.1	1416.5	1290.1	1257.1	1459.1	1772.3	1857.5	1839.6	1376.6
52.5°	1372.5	1371.1	1384.9	1354.7	1264.0	1261.2	1519.5	1926.2	2040.2	2021.0	1496.2
55°	1232.4	1232.4	1255.7	1258.5	1213.1	1246.1	1566.2	2049.8	2236.7	2209.2	1626.7
57.5°	1053.8	1059.3	1111.5	1145.8	1129.3	1202.2	1582.7	2168.0	2422.2	2404.3	1761.3
60°	876.5	879.3	939.7	997.4	1026.3	1140.3	1567.6	2249.1	2577.4	2570.6	1869.9
62.5°	691.1	693.8	757.0	840.8	897.2	1038.7	1511.3	2286.2	2698.3	2694.2	1949.6
65°	527.6	522.1	589.4	671.8	755.6	917.8	1413.7	2275.2	2764.3	2761.5	1988.0
67.5°	379.2	390.2	441.0	520.7	605.9	788.6	1279.1	2168.0	2723.1	2725.8	1946.8
70°	274.8	292.6	328.4	388.8	476.7	648.5	1117.0	1989.4	2582.9	2599.4	1830.0
72.5°	211.6	213.0	241.8	289.9	360.0	513.8	924.6	1746.2	2328.7	2334.2	1628.1
75°	164.9	169.0	188.2	222.6	276.2	398.4	750.1	1445.3	1952.3	1983.9	1380.8
77.5°	134.6	136.0	151.1	171.7	211.6	300.9	560.5	1140.3	1552.5	1555.2	1077.1
80°	105.8	111.3	123.7	137.4	164.9	225.3	412.2	835.3	1141.7	1123.8	762.5
82.5°	81.1	85.2	94.8	109.9	125.0	169.0	295.4	589.4	784.5	770.8	522.1
85°	60.5	63.2	72.8	85.2	98.9	129.1	206.1	380.6	486.4	471.2	317.4
87.5°	42.6	44.0	52.2	63.2	75.6	97.5	142.9	233.6	292.6	287.1	196.5
90°	28.9	30.2	37.1	46.7	59.1	75.6	103.0	145.6	170.4	170.4	125.0
92.5°	20.6	22.0	27.5	35.7	46.7	60.5	75.6	94.8	104.4	103.0	85.2
95°	16.5	16.5	22.0	28.9	38.5	49.5	57.7	64.6	70.1	70.1	64.6
97.5°	13.7	13.7	19.2	24.7	33.0	41.2	46.7	48.1	50.8	50.8	48.1
100°	12.4	12.4	16.5	22.0	27.5	34.3	38.5	37.1	38.5	39.8	37.1
102.5°	11.0	11.0	15.1	19.2	24.7	30.2	31.6	30.2	30.2	30.2	28.9
105°	9.6	9.6	13.7	17.9	22.0	26.1	27.5	24.7	23.4	23.4	23.4
107.5°	8.2	8.2	12.4	15.1	19.2	23.4	23.4	22.0	19.2	19.2	17.9
110°	8.2	8.2	11.0	13.7	17.9	20.6	20.6	17.9	15.1	15.1	15.1

REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	6.9	6.9	9.6	13.7	16.5	17.9	17.9	15.1	13.7	12.4	12.4
115°	6.9	6.9	9.6	12.4	15.1	16.5	16.5	13.7	11.0	11.0	11.0
117.5°	6.9	6.9	8.2	11.0	13.7	15.1	13.7	12.4	9.6	9.6	9.6
120°	6.9	6.9	8.2	9.6	12.4	13.7	13.7	11.0	8.2	8.2	9.6
122.5°	6.9	6.9	8.2	9.6	11.0	12.4	12.4	9.6	8.2	8.2	8.2
125°	6.9	6.9	8.2	9.6	11.0	12.4	11.0	9.6	6.9	6.9	8.2
127.5°	6.9	6.9	8.2	8.2	9.6	11.0	9.6	8.2	6.9	6.9	8.2
130°	6.9	6.9	8.2	8.2	9.6	9.6	9.6	6.9	6.9	6.9	6.9
132.5°	8.2	8.2	8.2	8.2	8.2	9.6	8.2	6.9	5.5	5.5	6.9
135°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	6.9	5.5	5.5	6.9
137.5°	6.9	8.2	6.9	6.9	6.9	8.2	6.9	5.5	5.5	5.5	5.5
140°	6.9	6.9	6.9	6.9	6.9	6.9	5.5	4.1	5.5	5.5	5.5
142.5°	6.9	6.9	6.9	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5
145°	5.5	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	4.1	4.1
147.5°	5.5	5.5	5.5	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1
150°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
2.5°	89.3	87.9	86.6	85.2	82.4	81.1	81.1	79.7	79.7	79.7	79.7
5°	93.4	92.1	87.9	83.8	79.7	76.9	74.2	74.2	72.8	71.4	71.4
7.5°	103.0	98.9	92.1	85.2	81.1	75.6	72.8	70.1	68.7	68.7	68.7
10°	116.8	111.3	100.3	90.7	83.8	76.9	72.8	70.1	68.7	67.3	67.3
12.5°	136.0	129.1	112.7	100.3	87.9	81.1	75.6	72.8	71.4	71.4	71.4
15°	163.5	152.5	131.9	111.3	97.5	85.2	82.4	82.4	83.8	83.8	83.8
17.5°	199.2	182.7	151.1	125.0	107.2	96.2	92.1	93.4	96.2	96.2	96.2
20°	237.7	218.4	175.9	142.9	119.5	109.9	104.4	107.2	111.3	114.0	114.0
22.5°	291.3	263.8	206.1	162.1	134.6	122.3	119.5	122.3	129.1	131.9	131.9
25°	353.1	311.9	237.7	182.7	151.1	137.4	134.6	138.8	147.0	153.9	153.9
27.5°	417.7	365.5	272.0	203.3	166.2	149.8	148.4	155.2	166.2	173.1	174.5
30°	491.9	420.4	303.6	223.9	181.4	162.1	162.1	173.1	185.5	195.1	196.5
32.5°	564.7	478.1	331.1	241.8	195.1	173.1	174.5	188.2	204.7	213.0	215.7
35°	638.9	527.6	355.8	256.9	204.7	182.7	185.5	203.3	219.8	229.4	229.4
37.5°	710.3	572.9	368.2	265.2	213.0	189.6	195.1	215.7	232.2	240.4	241.8
40°	779.0	607.3	376.4	270.7	218.4	196.5	202.0	223.9	241.8	250.0	250.0
42.5°	839.4	636.1	377.8	272.0	222.6	200.6	208.8	230.8	247.3	252.8	254.2
45°	901.3	660.8	371.0	269.3	225.3	204.7	211.6	234.9	250.0	254.2	255.5
47.5°	957.6	681.5	362.7	266.5	226.7	206.1	214.3	237.7	251.4	252.8	254.2
50°	1023.6	697.9	350.3	262.4	228.1	207.5	215.7	237.7	251.4	251.4	251.4
52.5°	1086.7	711.7	338.0	258.3	228.1	207.5	215.7	239.1	251.4	250.0	250.0
55°	1155.4	724.0	325.6	255.5	226.7	207.5	215.7	239.1	250.0	248.7	250.0
57.5°	1209.0	729.5	316.0	252.8	226.7	206.1	214.3	237.7	248.7	248.7	248.7
60°	1255.7	728.2	303.6	250.0	225.3	204.7	214.3	236.3	248.7	248.7	248.7
62.5°	1283.2	715.8	291.3	247.3	222.6	202.0	213.0	236.3	248.7	250.0	250.0
65°	1272.2	693.8	274.8	240.4	217.1	199.2	211.6	233.6	247.3	251.4	252.8
67.5°	1225.5	644.4	256.9	230.8	211.6	196.5	210.2	230.8	244.6	251.4	251.4
70°	1128.0	582.5	233.6	217.1	202.0	192.3	206.1	226.7	239.1	247.3	247.3
72.5°	992.0	502.8	211.6	199.2	191.0	185.5	202.0	219.8	230.8	237.7	237.7
75°	824.3	417.7	185.5	178.6	177.2	175.9	193.7	210.2	217.1	222.6	222.6
77.5°	644.4	336.6	158.0	158.0	158.0	163.5	182.7	193.7	199.2	204.7	204.7
80°	471.2	256.9	133.3	134.6	138.8	149.8	166.2	174.5	177.2	182.7	180.0
82.5°	321.5	186.8	111.3	111.3	119.5	131.9	148.4	152.5	153.9	158.0	153.9
85°	211.6	134.6	92.1	92.1	100.3	112.7	125.0	127.8	127.8	130.5	126.4
87.5°	137.4	98.9	75.6	75.6	81.1	93.4	103.0	103.0	103.0	105.8	101.7
90°	97.5	75.6	63.2	61.8	65.9	75.6	82.4	81.1	81.1	82.4	79.7
92.5°	71.4	61.8	53.6	52.2	55.0	61.8	65.9	64.6	65.9	64.6	63.2
95°	56.3	50.8	46.7	45.3	46.7	50.8	53.6	52.2	52.2	50.8	49.5
97.5°	45.3	42.6	41.2	39.8	39.8	41.2	44.0	42.6	44.0	41.2	39.8
100°	37.1	35.7	35.7	35.7	34.3	35.7	37.1	37.1	37.1	34.3	34.3
102.5°	28.9	30.2	31.6	31.6	30.2	31.6	31.6	31.6	31.6	28.9	28.9
105°	23.4	24.7	27.5	27.5	27.5	27.5	27.5	27.5	27.5	24.7	24.7
107.5°	19.2	20.6	23.4	24.7	23.4	23.4	24.7	24.7	23.4	22.0	22.0
110°	16.5	17.9	19.2	20.6	20.6	20.6	22.0	22.0	20.6	19.2	17.9

REPORT NUMBER: P695044
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.7	15.1	17.9	17.9	19.2	19.2	19.2	19.2	17.9	16.5	16.5
115°	12.4	13.7	15.1	16.5	16.5	16.5	17.9	16.5	15.1	15.1	15.1
117.5°	11.0	12.4	13.7	15.1	15.1	15.1	15.1	15.1	13.7	13.7	13.7
120°	9.6	11.0	12.4	13.7	13.7	13.7	13.7	13.7	12.4	12.4	12.4
122.5°	9.6	9.6	11.0	12.4	12.4	12.4	12.4	12.4	11.0	11.0	11.0
125°	8.2	9.6	11.0	11.0	11.0	11.0	11.0	11.0	9.6	9.6	11.0
127.5°	8.2	8.2	9.6	9.6	11.0	11.0	9.6	9.6	9.6	9.6	9.6
130°	8.2	8.2	8.2	9.6	9.6	9.6	9.6	8.2	8.2	8.2	8.2
132.5°	6.9	8.2	8.2	8.2	8.2	8.2	8.2	6.9	6.9	8.2	8.2
135°	6.9	6.9	6.9	8.2	8.2	6.9	6.9	6.9	6.9	6.9	6.9
137.5°	6.9	6.9	6.9	6.9	6.9	6.9	5.5	5.5	5.5	6.9	6.9
140°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
142.5°	5.5	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5	5.5	5.5
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	4.1	4.1	4.1
150°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	2.7	2.7
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

(END OF REPORT)