

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: P695059

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T4W-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-25)
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-T4W-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3801 lumens
Efficiency: N/A
Efficacy: 94.6 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: B1 - U3 - G2

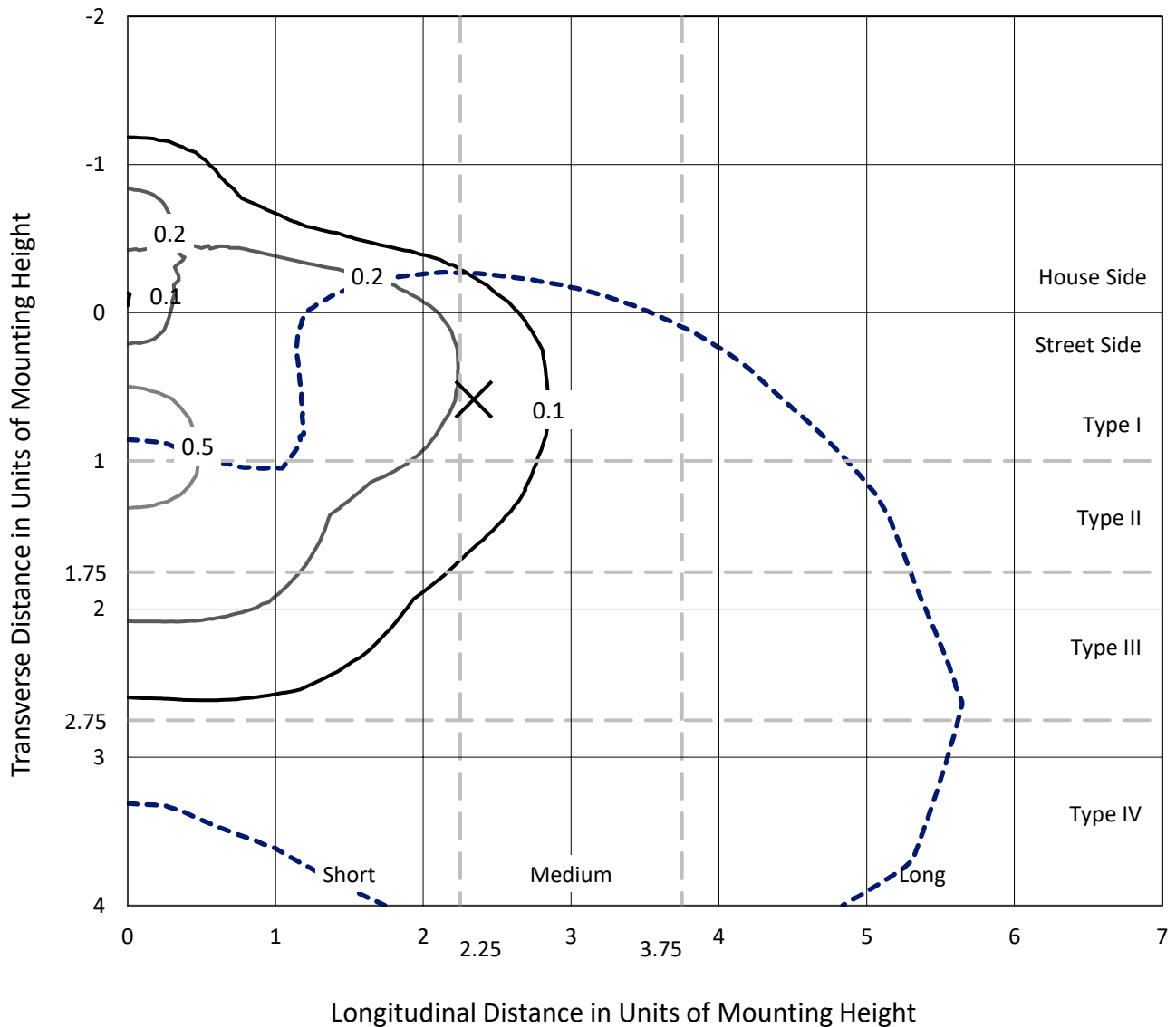
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

Iso-Footcandle Lines of Horizontal Illumination

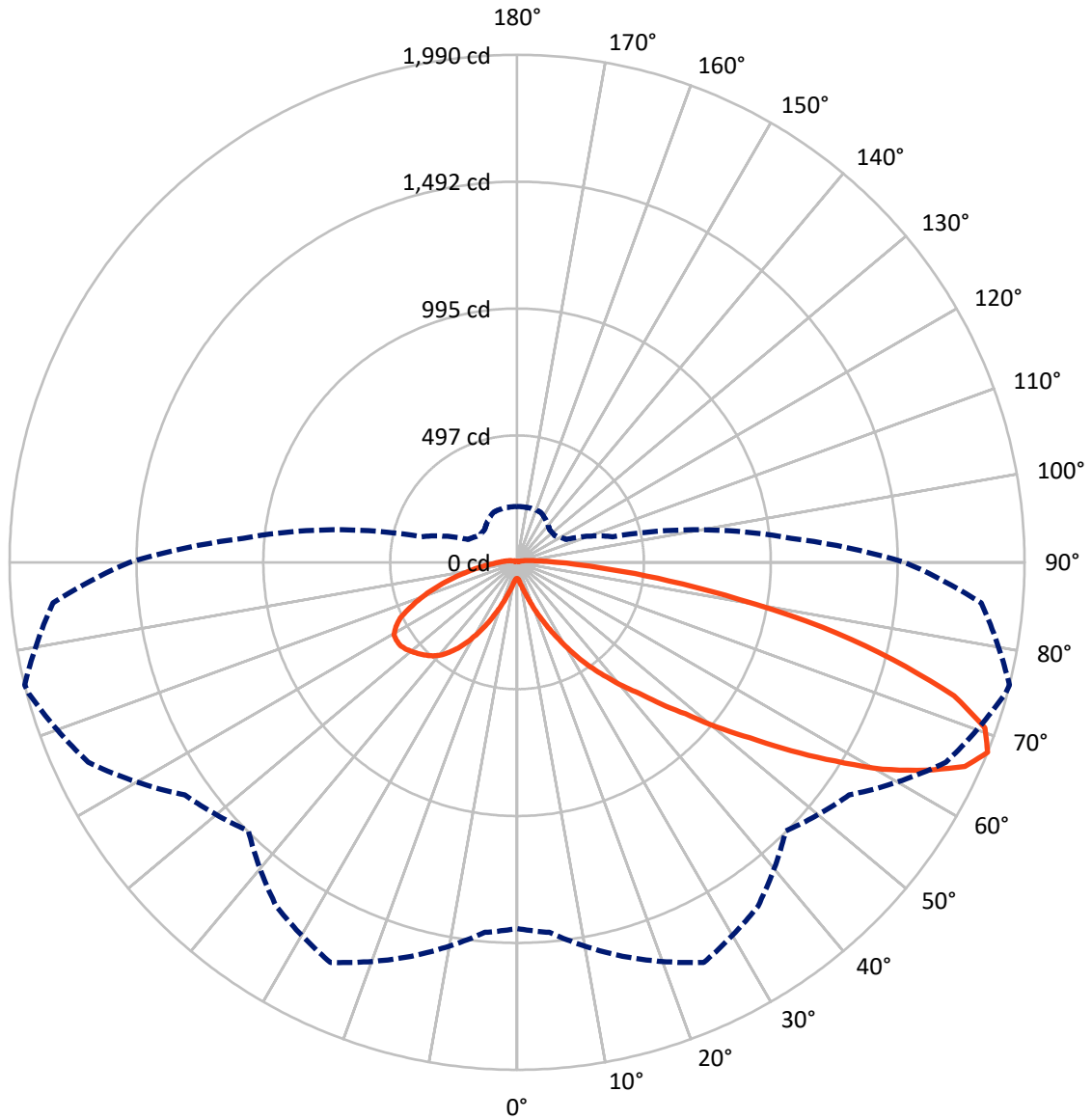
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695059
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

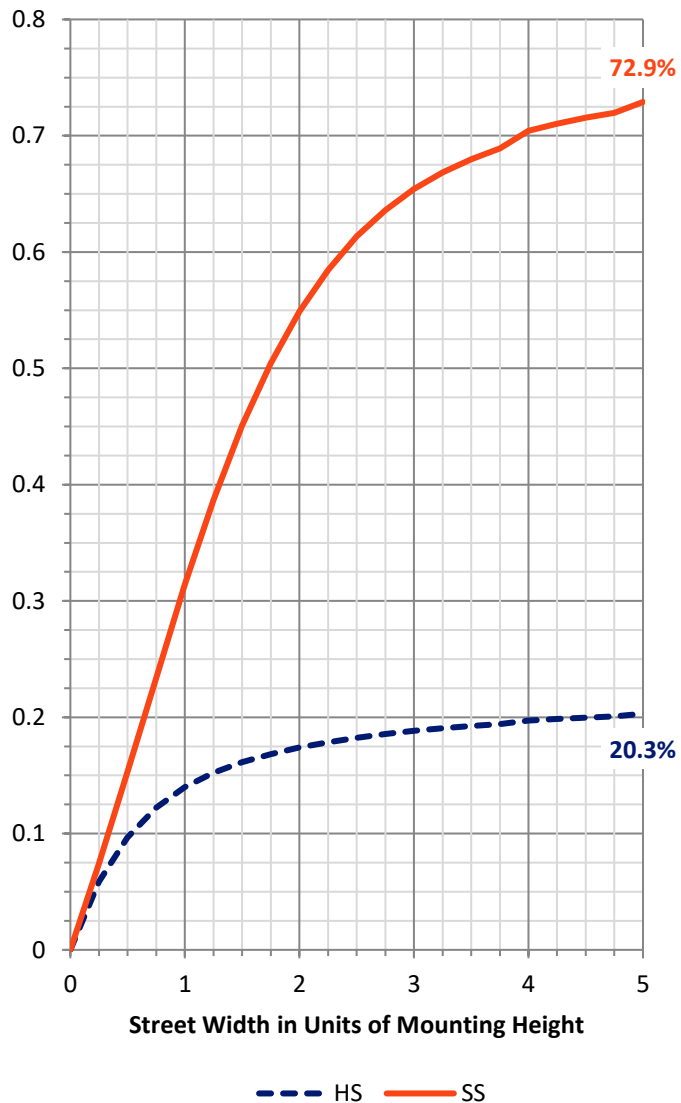
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	814.0	65.6	879.6
	% Fixture	21.4	1.7	23.1
Street Side	Lumens	2855.0	66.3	2921.4
	% Fixture	75.1	1.7	76.9
Total	Lumens	3669.0	132.0	3801.0
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.2	0.2
10°-20°	37.5	1.0
20°-30°	118.6	3.1
30°-40°	264.4	7.0
40°-50°	453.8	11.9
50°-60°	707.9	18.6
60°-70°	969.2	25.5
70°-80°	812.3	21.4
80°-90°	298.1	7.8
90°-100°	75.1	2.0
100°-110°	28.6	0.8
110°-120°	13.7	0.4
120°-130°	7.7	0.2
130°-140°	4.5	0.1
140°-150°	2.3	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3669.0	96.5
0°-180°	3801.0	100.0

Coefficient of Utilization

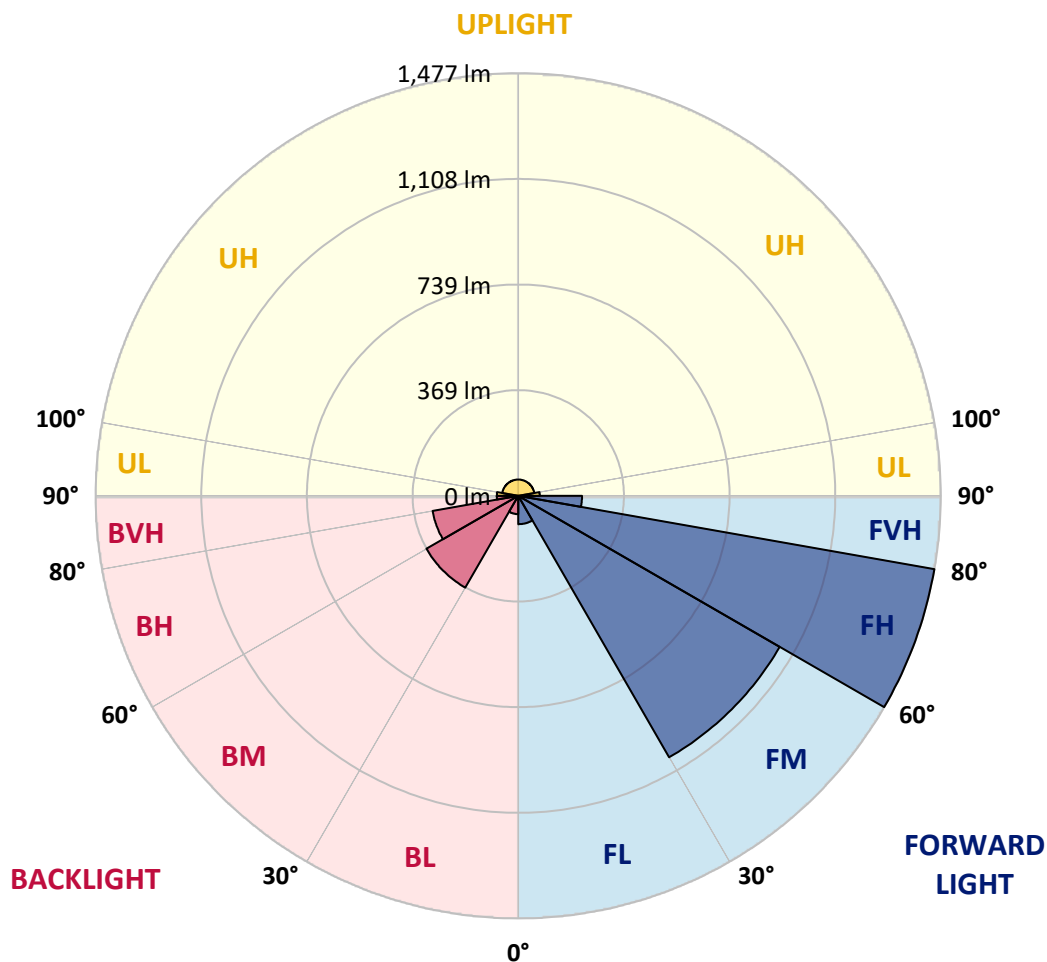


REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	99.2	2.6			
FM (30°-60°)	1055.4	27.8			
FH (60°-80°)	1477.5	38.9			G1/1800
FVH (80°-90°)	222.8	5.9			G2/225
BL (0°-30°)	64.1	1.7	B0/110		
BM (30°-60°)	370.6	9.8	B1/1000		
BH (60°-80°)	304.0	8.0	B1/500		G1/500
BVH (80°-90°)	75.2	2.0			G1/100
UL (90°-100°)	75.1	2.0		U3/500	
UH (100°-180°)	56.9	1.5		U3/500	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
2.5°	67.3	67.3	67.3	67.3	68.7	67.3	67.3	66.0	66.0	64.6	64.6
5°	76.9	76.9	76.9	76.9	76.9	75.6	74.2	72.8	71.4	70.1	70.1
7.5°	90.7	90.7	90.7	89.3	87.9	86.6	85.2	82.4	79.7	79.7	76.9
10°	109.9	109.9	109.9	108.5	104.4	101.7	98.9	94.8	93.4	92.1	89.3
12.5°	136.0	136.0	133.3	130.5	125.0	120.9	116.8	112.7	111.3	109.9	105.8
15°	169.0	167.6	164.9	156.6	151.1	144.3	140.1	136.0	131.9	131.9	130.5
17.5°	208.8	207.5	200.6	189.6	181.4	170.4	164.9	162.1	162.1	160.8	158.0
20°	256.9	256.9	247.3	230.8	214.3	200.6	196.5	195.1	195.1	196.5	192.4
22.5°	318.8	317.4	303.6	276.2	252.8	235.0	230.8	230.8	235.0	235.0	233.6
25°	387.5	386.1	361.4	331.1	294.0	274.8	265.2	272.0	281.7	283.0	284.4
27.5°	471.3	465.8	436.9	390.2	342.1	311.9	305.0	316.0	335.3	333.9	336.6
30°	557.8	555.1	515.2	457.5	393.0	351.7	346.2	366.9	388.8	390.2	397.1
32.5°	659.5	644.4	607.3	530.4	445.2	394.3	386.1	416.3	449.3	452.0	458.9
35°	761.2	759.8	699.4	608.7	500.1	434.2	427.3	463.0	509.7	511.1	520.7
37.5°	864.2	858.7	801.0	685.6	560.6	479.5	468.5	515.2	567.5	570.2	583.9
40°	972.8	965.9	904.1	768.1	623.8	529.0	516.6	571.6	632.0	637.5	654.0
42.5°	1067.6	1066.2	1007.1	858.7	685.6	577.1	568.8	627.9	699.4	702.1	726.8
45°	1172.0	1154.1	1099.2	949.4	762.6	636.2	627.9	700.7	781.8	792.8	813.4
47.5°	1254.4	1246.2	1195.4	1048.3	840.9	700.7	692.5	779.0	878.0	887.6	905.5
50°	1338.3	1328.6	1283.3	1141.8	926.1	776.3	774.9	878.0	998.9	1014.0	1033.2
52.5°	1407.0	1401.5	1374.0	1242.1	1016.7	851.9	867.0	994.8	1132.2	1143.1	1162.4
55°	1471.5	1467.4	1461.9	1353.4	1125.3	952.2	964.5	1125.3	1283.3	1303.9	1334.1
57.5°	1519.6	1526.5	1537.5	1461.9	1239.3	1052.5	1078.6	1284.7	1450.9	1470.2	1500.4
60°	1552.6	1563.6	1603.4	1570.5	1358.9	1163.8	1218.7	1431.7	1625.4	1647.4	1662.5
62.5°	1556.7	1574.6	1655.6	1662.5	1471.5	1280.5	1342.4	1588.3	1791.7	1795.8	1777.9
65°	1525.1	1538.9	1652.9	1718.8	1571.8	1394.6	1478.4	1749.1	1919.4	1929.1	1846.6
67.5°	1435.8	1456.4	1599.3	1731.2	1646.0	1489.4	1589.7	1854.9	1982.6	1989.5	1826.0
70°	1269.6	1306.7	1477.0	1659.8	1661.1	1541.6	1662.5	1900.2	1953.8	1945.6	1702.4
72.5°	1069.0	1078.6	1266.8	1511.4	1603.4	1540.2	1654.3	1845.3	1806.8	1791.7	1471.5
75°	781.8	807.9	983.8	1281.9	1466.0	1449.5	1556.7	1681.7	1549.8	1522.4	1199.5
77.5°	529.0	556.5	695.2	983.8	1233.8	1287.4	1378.1	1415.2	1247.6	1224.2	879.3
80°	332.5	351.7	449.3	687.0	967.3	1051.1	1119.8	1096.4	905.5	883.5	625.2
82.5°	185.5	195.1	274.8	447.9	681.5	799.7	853.2	795.5	623.8	599.1	405.3
85°	97.6	109.9	155.3	272.0	454.8	568.8	611.4	526.2	383.3	375.1	252.8
87.5°	53.6	59.1	89.3	163.5	281.7	386.1	405.3	331.1	237.7	226.7	160.8
90°	33.0	35.7	52.2	97.6	174.5	241.8	254.2	207.5	148.4	145.6	107.2
92.5°	22.0	23.4	35.7	63.2	109.9	155.3	163.5	129.2	97.6	94.8	76.9
95°	16.5	17.9	27.5	45.3	75.6	105.8	104.4	87.9	66.0	64.6	56.3
97.5°	13.7	15.1	23.4	35.7	55.0	71.4	71.4	57.7	48.1	48.1	44.0
100°	12.4	12.4	19.2	28.9	41.2	52.2	52.2	42.6	35.7	35.7	33.0
102.5°	11.0	11.0	16.5	24.7	33.0	41.2	39.8	33.0	27.5	27.5	26.1
105°	9.6	9.6	15.1	20.6	27.5	33.0	31.6	26.1	22.0	20.6	19.2
107.5°	8.2	8.2	12.4	17.9	24.7	27.5	26.1	22.0	16.5	16.5	15.1
110°	8.2	8.2	11.0	16.5	20.6	23.4	22.0	17.9	13.7	13.7	12.4

REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
112.5°	6.9	6.9	9.6	13.7	17.9	20.6	19.2	15.1	11.0	11.0	11.0
115°	6.9	6.9	8.2	12.4	15.1	17.9	16.5	12.4	9.6	9.6	9.6
117.5°	6.9	6.9	8.2	11.0	13.7	15.1	13.7	11.0	8.2	8.2	8.2
120°	5.5	5.5	6.9	9.6	12.4	13.7	12.4	9.6	6.9	6.9	8.2
122.5°	5.5	5.5	6.9	8.2	11.0	12.4	11.0	8.2	6.9	6.9	6.9
125°	5.5	5.5	6.9	8.2	9.6	11.0	9.6	6.9	6.9	6.9	6.9
127.5°	5.5	5.5	5.5	6.9	8.2	9.6	8.2	6.9	5.5	5.5	6.9
130°	5.5	5.5	5.5	6.9	8.2	8.2	6.9	5.5	5.5	5.5	6.9
132.5°	5.5	5.5	5.5	5.5	6.9	6.9	6.9	5.5	5.5	5.5	5.5
135°	5.5	5.5	5.5	5.5	6.9	6.9	5.5	5.5	5.5	5.5	5.5
137.5°	5.5	4.1	4.1	5.5	5.5	5.5	5.5	4.1	4.1	4.1	5.5
140°	4.1	4.1	4.1	4.1	5.5	5.5	4.1	4.1	4.1	4.1	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	2.7	4.1	4.1	2.7	2.7	2.7	4.1	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
150°	2.7	2.7	2.7	2.7	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: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
2.5°	64.6	63.2	63.2	63.2	63.2	61.8	61.8	61.8	61.8	60.5	61.8
5°	68.7	68.7	67.3	64.6	64.6	63.2	63.2	61.8	61.8	60.5	60.5
7.5°	76.9	75.6	72.8	71.4	68.7	67.3	66.0	64.6	64.6	63.2	63.2
10°	87.9	86.6	82.4	79.7	76.9	74.2	72.8	71.4	70.1	68.7	68.7
12.5°	104.4	101.7	97.6	90.7	87.9	83.8	81.1	79.7	79.7	79.7	78.3
15°	127.8	123.7	116.8	108.5	100.3	94.8	93.4	93.4	93.4	94.8	94.8
17.5°	155.3	149.8	141.5	127.8	116.8	109.9	108.5	108.5	109.9	112.7	112.7
20°	189.6	182.7	170.4	152.5	136.0	126.4	123.7	126.4	131.9	133.3	133.3
22.5°	229.5	224.0	203.3	177.2	156.6	144.3	141.5	144.3	151.1	156.6	158.0
25°	277.5	269.3	240.4	206.1	177.2	162.1	158.0	164.9	174.5	182.7	182.7
27.5°	331.1	321.5	281.7	236.3	197.9	177.2	173.1	182.7	199.2	208.8	210.2
30°	388.8	373.7	321.5	265.2	215.7	191.0	188.2	202.0	221.2	233.6	235.0
32.5°	452.0	427.3	362.7	291.3	232.2	200.6	199.2	217.1	240.4	255.6	256.9
35°	511.1	483.6	399.8	310.5	243.2	207.5	207.5	228.1	255.6	270.7	272.0
37.5°	568.8	533.1	431.4	325.6	248.7	210.2	211.6	236.3	263.8	278.9	280.3
40°	632.0	586.7	458.9	332.5	250.1	211.6	214.3	240.4	265.2	280.3	280.3
42.5°	698.0	643.0	476.8	332.5	247.3	210.2	213.0	239.1	262.4	273.4	274.8
45°	774.9	703.5	489.1	327.0	241.8	206.1	210.2	236.3	254.2	259.7	261.1
47.5°	862.9	766.7	498.8	318.8	235.0	202.0	207.5	229.5	244.6	244.6	244.6
50°	974.1	838.1	507.0	305.0	226.7	197.9	203.3	224.0	232.2	229.5	229.5
52.5°	1095.1	916.4	512.5	291.3	218.5	192.4	199.2	218.5	222.6	215.7	215.7
55°	1229.7	1008.5	512.5	277.5	210.2	188.2	196.5	213.0	214.3	207.5	204.7
57.5°	1358.9	1081.3	505.6	262.4	202.0	184.1	193.7	210.2	210.2	203.3	202.0
60°	1474.3	1148.6	494.6	248.7	196.5	181.4	193.7	208.8	208.8	203.3	203.3
62.5°	1556.7	1170.6	467.2	236.3	191.0	181.4	195.1	210.2	211.6	208.8	207.5
65°	1577.3	1159.6	435.6	222.6	185.5	180.0	197.9	214.3	215.7	214.3	214.3
67.5°	1519.6	1078.6	387.5	211.6	181.4	180.0	199.2	217.1	218.5	218.5	218.5
70°	1369.9	957.7	343.5	199.2	177.2	178.6	202.0	219.8	219.8	219.8	219.8
72.5°	1158.3	803.8	298.2	188.2	170.4	175.9	202.0	218.5	218.5	217.1	217.1
75°	915.1	636.2	255.6	177.2	162.1	170.4	199.2	214.3	213.0	211.6	210.2
77.5°	677.4	472.6	214.3	162.1	152.5	163.5	191.0	204.7	203.3	202.0	199.2
80°	467.2	329.8	178.6	147.0	140.1	152.5	178.6	191.0	189.6	186.9	186.9
82.5°	303.6	226.7	144.3	129.2	126.4	140.1	164.9	174.5	171.7	169.0	167.6
85°	196.5	153.9	115.4	109.9	112.7	125.0	144.3	152.5	151.1	148.4	145.6
87.5°	129.2	109.9	90.7	90.7	96.2	109.9	123.7	127.8	126.4	126.4	123.7
90°	90.7	82.4	74.2	75.6	82.4	94.8	101.7	103.0	101.7	103.0	100.3
92.5°	67.3	63.2	60.5	63.2	70.1	79.7	83.8	81.1	82.4	82.4	81.1
95°	52.2	50.8	50.8	53.6	60.5	67.3	68.7	64.6	67.3	67.3	66.0
97.5°	41.2	41.2	42.6	45.3	50.8	56.3	56.3	53.6	55.0	55.0	55.0
100°	33.0	33.0	35.7	38.5	44.0	48.1	46.7	44.0	45.3	44.0	42.6
102.5°	26.1	27.5	30.2	33.0	37.1	39.8	39.8	37.1	37.1	35.7	35.7
105°	20.6	22.0	24.7	28.9	31.6	34.3	34.3	31.6	28.9	27.5	27.5
107.5°	16.5	17.9	20.6	23.4	27.5	28.9	28.9	26.1	23.4	20.6	20.6
110°	13.7	15.1	17.9	20.6	23.4	24.7	24.7	22.0	19.2	16.5	16.5

REPORT NUMBER: P695059
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T4W-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.4	12.4	15.1	17.9	19.2	20.6	20.6	19.2	15.1	13.7	13.7
115°	9.6	11.0	12.4	15.1	16.5	17.9	17.9	15.1	12.4	11.0	11.0
117.5°	9.6	9.6	11.0	13.7	15.1	16.5	15.1	13.7	11.0	9.6	9.6
120°	8.2	9.6	11.0	11.0	13.7	13.7	13.7	11.0	9.6	9.6	9.6
122.5°	8.2	8.2	9.6	11.0	11.0	12.4	12.4	9.6	8.2	8.2	8.2
125°	6.9	8.2	8.2	9.6	11.0	11.0	11.0	8.2	8.2	8.2	8.2
127.5°	6.9	6.9	8.2	8.2	9.6	9.6	9.6	8.2	6.9	6.9	6.9
130°	6.9	6.9	6.9	6.9	8.2	8.2	8.2	6.9	6.9	6.9	6.9
132.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	5.5	6.9	6.9
135°	5.5	5.5	5.5	5.5	6.9	6.9	5.5	5.5	5.5	5.5	5.5
137.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
140°	5.5	5.5	5.5	4.1	5.5	5.5	4.1	4.1	4.1	5.5	5.5
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	2.7	2.7	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	4.1	2.7
150°	2.7	2.7	2.7	2.7	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

(END OF REPORT)