

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: P695049

Luminaire Tested: **LXF.LXT-PA16-40-727-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695049
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-PA16-40-727-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3922 lumens
Efficiency: N/A
Efficacy: 97.6 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 - G1

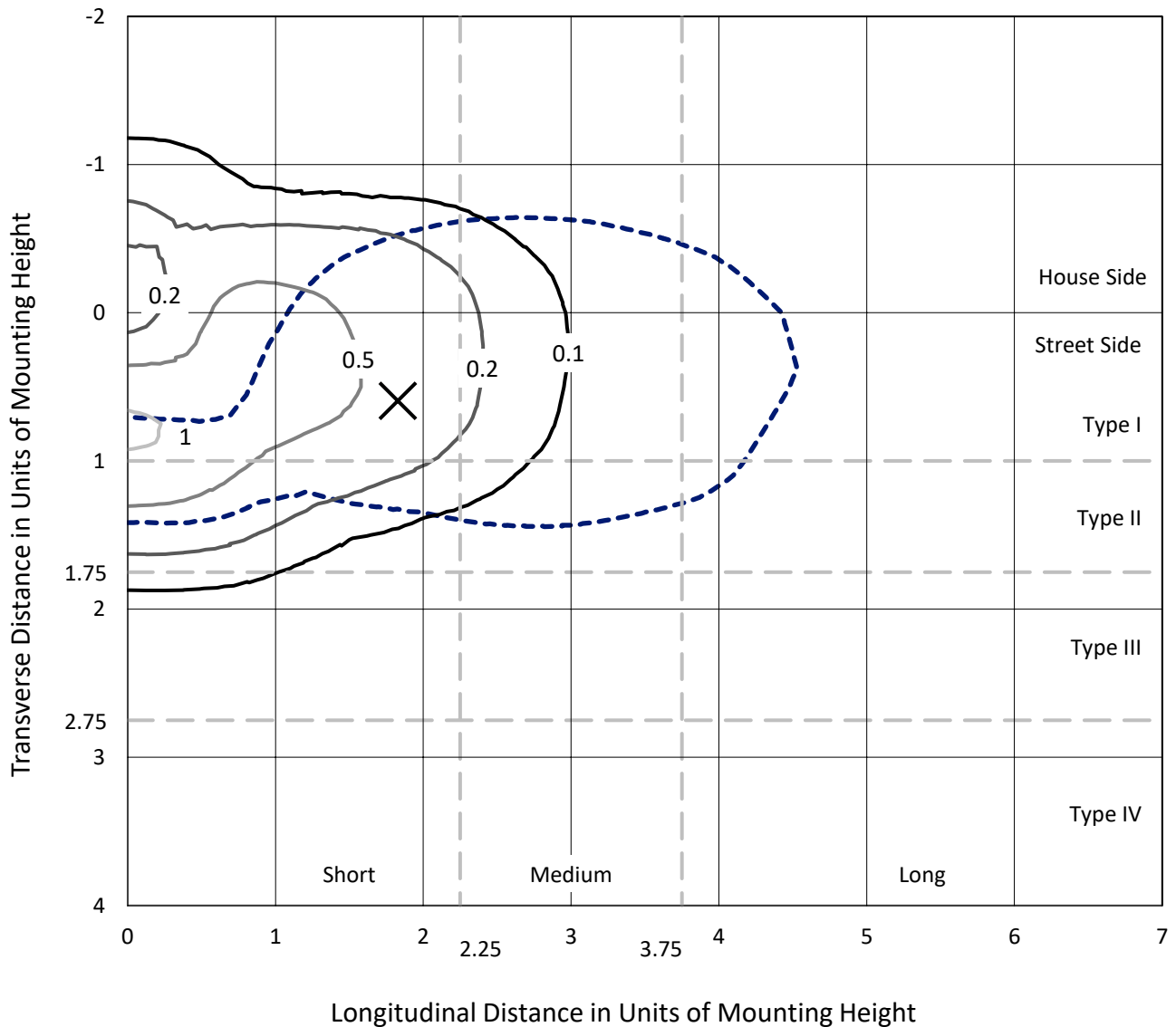
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695049
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

Iso-Footcandle Lines of Horizontal Illumination

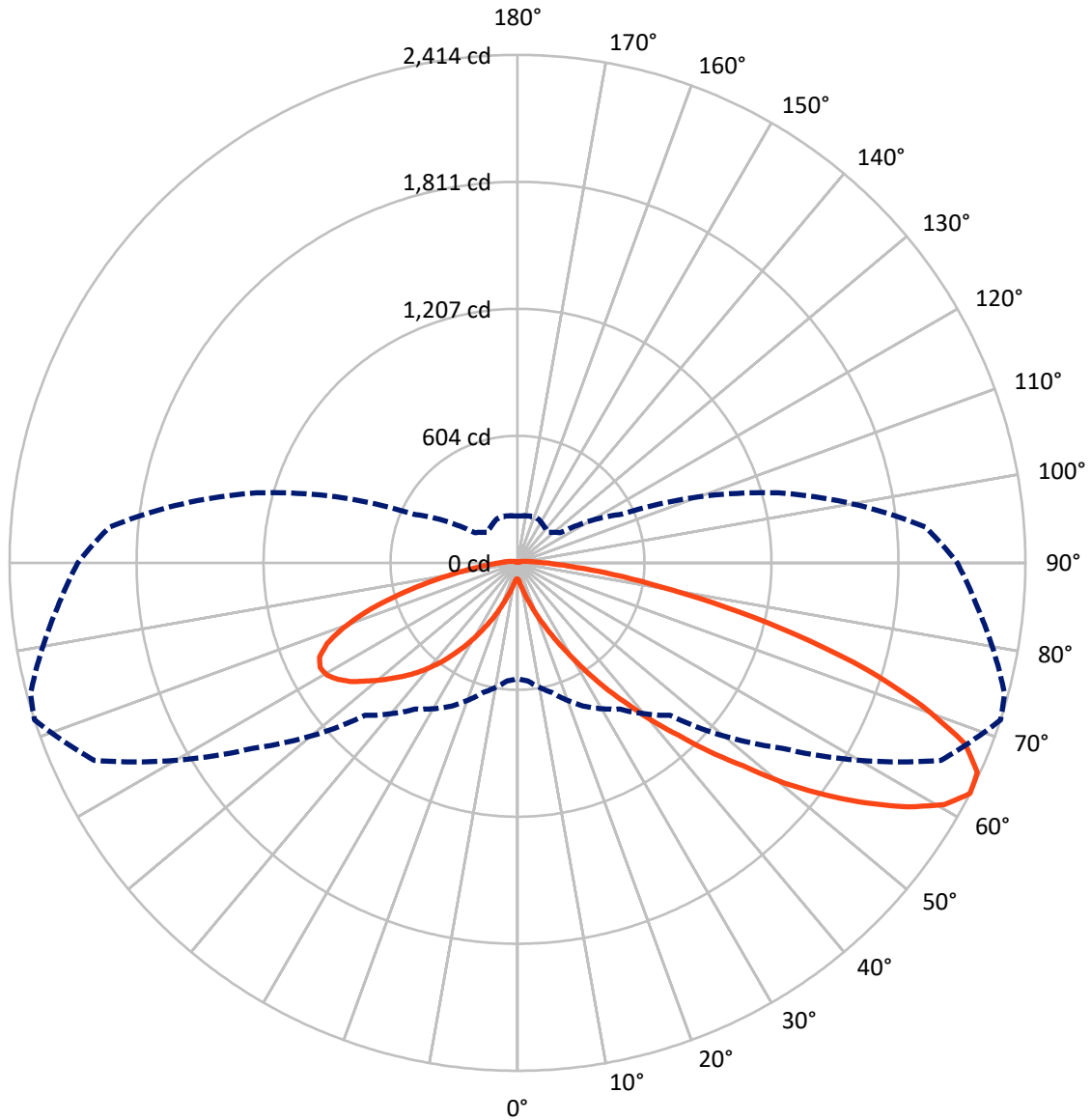
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695049
CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

Luminous Intensity Polar Plot



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

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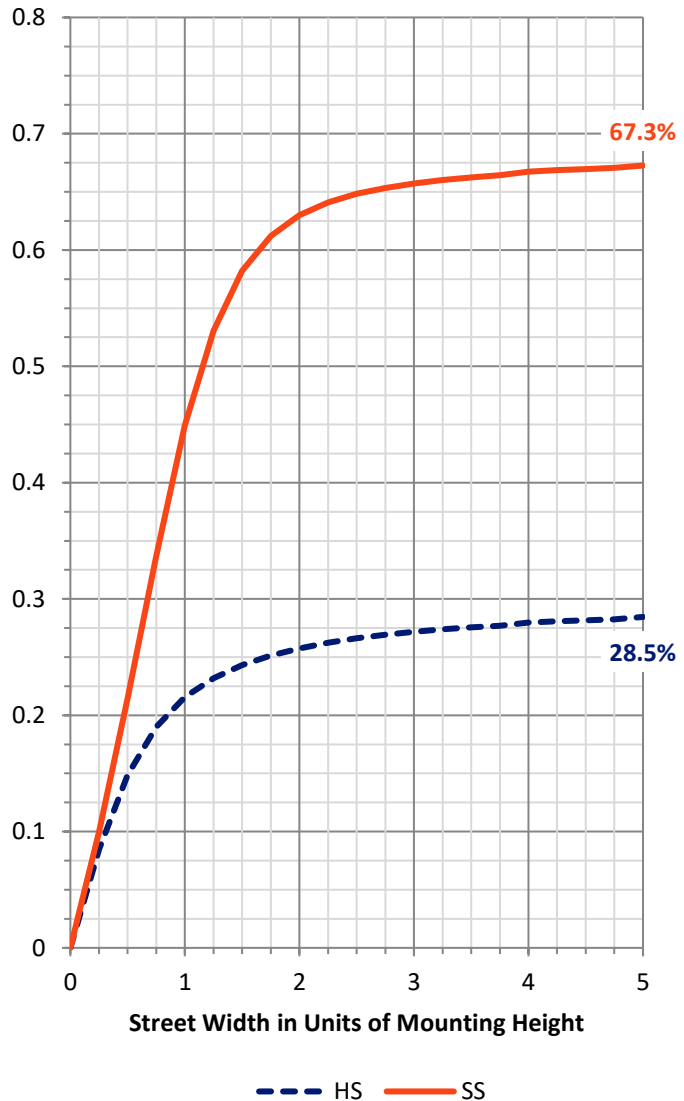
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1149.9	58.5	1208.4
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	2666.1	47.4	2713.5
	% Fixture	68.0	1.2	69.2
Total	Lumens	3816.1	105.9	3922.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	0.2
10°-20°	49.5	1.3
20°-30°	163.5	4.2
30°-40°	390.5	10.0
40°-50°	694.3	17.7
50°-60°	918.0	23.4
60°-70°	882.0	22.5
70°-80°	535.4	13.7
80°-90°	173.7	4.4
90°-100°	53.4	1.4
100°-110°	24.9	0.6
110°-120°	12.9	0.3
120°-130°	7.6	0.2
130°-140°	4.6	0.1
140°-150°	2.2	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3816.1	97.3
0°-180°	3922.0	100.0

Coefficient of Utilization

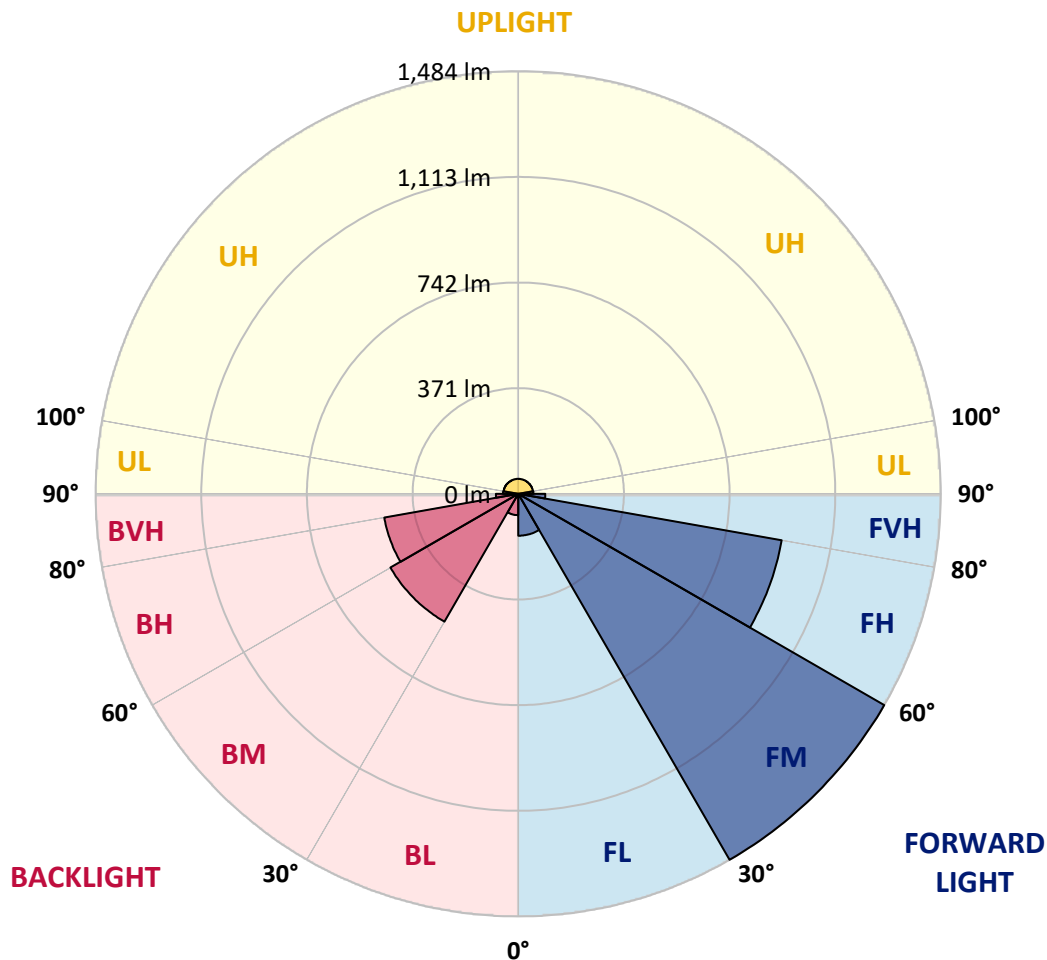


REPORT NUMBER: P695049
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	147.1	3.8			
FM (30°-60°)	1484.4	37.8			
FH (60°-80°)	939.6	24.0			G1/1800
FVH (80°-90°)	95.0	2.4			G1/100
BL (0°-30°)	75.0	1.9	B0/110		
BM (30°-60°)	518.4	13.2	B1/1000		
BH (60°-80°)	477.8	12.2	B1/500		G1/500
BVH (80°-90°)	78.7	2.0			G1/100
UL (90°-100°)	53.4	1.4		U3/500	
UH (100°-180°)	52.5	1.3		U3/500	

BUG Rating: B1-U3-G1
 Type II Short



REPORT NUMBER: P695049

CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	86.6	87.9	86.6	87.9	86.6	85.2	85.2	82.4	82.4	81.1	79.7
5°	103.1	104.4	104.4	103.1	100.3	98.9	94.8	93.4	90.7	89.3	86.6
7.5°	126.4	125.0	126.4	122.3	120.9	118.2	112.7	108.6	104.4	103.1	98.9
10°	156.6	155.3	153.9	151.2	147.0	141.5	136.0	127.8	125.0	123.7	116.8
12.5°	192.4	195.1	191.0	186.9	180.0	173.1	163.5	153.9	149.8	148.4	137.4
15°	244.6	244.6	239.1	232.2	218.5	207.5	197.9	188.3	181.4	178.6	169.0
17.5°	310.5	306.4	299.6	283.1	270.7	252.8	241.8	226.7	219.9	218.5	206.1
20°	383.4	386.1	371.0	350.4	327.0	305.1	288.6	273.4	266.6	265.2	250.1
22.5°	479.6	479.6	459.0	431.5	393.0	362.8	343.5	328.4	318.8	313.3	303.7
25°	590.9	590.9	567.5	513.9	472.7	431.5	404.0	387.5	383.4	377.9	364.1
27.5°	724.2	728.3	684.3	630.7	555.1	505.7	472.7	463.1	454.8	457.6	430.1
30°	878.1	871.2	824.5	742.0	655.4	590.9	557.9	544.1	538.6	540.0	515.3
32.5°	1025.1	1014.1	971.5	876.7	761.3	688.4	651.3	640.3	636.2	630.7	600.5
35°	1195.5	1185.9	1125.4	1010.0	882.2	787.4	743.4	743.4	743.4	736.5	692.5
37.5°	1360.4	1342.5	1276.5	1150.1	1001.7	894.5	857.4	862.9	854.7	845.1	795.6
40°	1492.3	1479.9	1416.7	1287.5	1124.0	1011.3	975.6	983.9	988.0	974.2	905.5
42.5°	1585.7	1580.2	1529.4	1408.5	1233.9	1126.8	1113.0	1122.6	1119.9	1104.8	1029.2
45°	1631.1	1625.6	1592.6	1493.6	1341.1	1240.8	1242.2	1284.8	1277.9	1261.4	1152.9
47.5°	1606.3	1613.2	1600.8	1539.0	1408.5	1337.0	1375.5	1451.1	1441.4	1426.3	1293.0
50°	1532.1	1529.4	1548.6	1526.6	1434.6	1401.6	1506.0	1643.4	1646.2	1606.3	1453.8
52.5°	1376.9	1383.7	1438.7	1451.1	1412.6	1426.3	1615.9	1828.9	1834.4	1786.3	1607.7
55°	1192.7	1191.3	1262.8	1326.0	1328.8	1398.8	1679.2	1988.3	2015.8	1980.1	1772.6
57.5°	948.1	972.9	1047.1	1147.4	1196.8	1315.0	1701.1	2131.2	2188.9	2139.5	1921.0
60°	733.8	753.0	842.3	950.9	1030.6	1187.2	1646.2	2209.6	2331.9	2297.5	2080.4
62.5°	551.0	563.4	639.0	753.0	849.2	1025.1	1536.2	2220.5	2414.3	2396.4	2186.2
65°	405.4	412.2	485.1	584.0	678.8	831.3	1338.4	2127.1	2401.9	2414.3	2259.0
67.5°	294.1	305.1	358.6	446.6	527.7	666.4	1122.6	1926.5	2293.4	2329.1	2232.9
70°	232.2	237.7	274.8	343.5	402.6	508.4	905.5	1650.3	2043.3	2124.4	2102.4
72.5°	186.9	189.6	218.5	270.7	309.2	386.1	684.3	1334.3	1738.2	1831.7	1882.5
75°	153.9	156.6	180.0	215.7	246.0	288.6	501.5	1010.0	1365.9	1467.5	1577.5
77.5°	122.3	127.8	145.7	173.1	195.1	219.9	351.8	729.6	1010.0	1089.7	1217.5
80°	97.6	100.3	116.8	138.8	155.3	173.1	258.3	483.7	682.9	781.9	878.1
82.5°	74.2	76.9	89.3	107.2	120.9	133.3	184.1	318.8	459.0	508.4	562.0
85°	53.6	53.6	66.0	81.1	93.4	105.8	134.7	207.5	280.3	309.2	346.3
87.5°	35.7	37.1	45.3	59.1	72.8	82.4	98.9	136.0	178.6	188.3	213.0
90°	24.7	26.1	31.6	42.6	55.0	64.6	74.2	93.4	112.7	122.3	140.2
92.5°	17.9	19.2	24.7	31.6	42.6	52.2	59.1	67.3	79.7	86.6	96.2
95°	13.7	15.1	19.2	26.1	34.4	42.6	48.1	52.2	60.5	64.6	71.5
97.5°	12.4	12.4	16.5	22.0	28.9	35.7	39.8	42.6	48.1	50.8	56.3
100°	11.0	11.0	13.7	19.2	24.7	30.2	33.0	34.4	38.5	39.8	44.0
102.5°	9.6	9.6	12.4	16.5	22.0	26.1	28.9	28.9	31.6	31.6	34.4
105°	8.2	8.2	11.0	15.1	19.2	23.4	24.7	24.7	24.7	26.1	26.1
107.5°	8.2	8.2	9.6	13.7	16.5	20.6	22.0	20.6	20.6	20.6	20.6
110°	6.9	6.9	9.6	12.4	15.1	17.9	17.9	17.9	16.5	16.5	16.5

REPORT NUMBER: P695049
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	6.9	6.9	8.2	11.0	13.7	15.1	16.5	15.1	13.7	13.7	13.7
115°	6.9	6.9	8.2	9.6	12.4	13.7	13.7	12.4	11.0	11.0	11.0
117.5°	5.5	6.9	6.9	9.6	11.0	12.4	12.4	11.0	9.6	9.6	9.6
120°	5.5	5.5	6.9	8.2	9.6	11.0	11.0	9.6	8.2	8.2	9.6
122.5°	5.5	5.5	6.9	8.2	9.6	9.6	9.6	8.2	8.2	8.2	8.2
125°	5.5	5.5	5.5	6.9	8.2	9.6	8.2	8.2	6.9	6.9	8.2
127.5°	5.5	5.5	5.5	6.9	8.2	8.2	8.2	6.9	6.9	6.9	6.9
130°	5.5	5.5	5.5	5.5	6.9	6.9	6.9	6.9	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	5.5	5.5	5.5	5.5	4.1	5.5	5.5
137.5°	5.5	5.5	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	4.1	4.1	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	2.7	2.7	4.1	4.1
145°	4.1	4.1	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
147.5°	4.1	4.1	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	1.4	1.4	1.4	1.4	1.4	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: P695049
 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2.5°	79.7	78.3	76.9	75.6	75.6	74.2	74.2	72.8	72.8	72.8	72.8
5°	85.2	83.8	81.1	78.3	75.6	74.2	71.5	70.1	70.1	68.7	68.7
7.5°	97.6	93.4	89.3	85.2	81.1	76.9	74.2	71.5	70.1	70.1	70.1
10°	112.7	109.9	101.7	96.2	90.7	85.2	81.1	76.9	74.2	74.2	72.8
12.5°	136.0	131.9	120.9	114.1	104.4	96.2	90.7	85.2	82.4	81.1	81.1
15°	163.5	158.0	148.4	134.7	122.3	111.3	103.1	98.9	96.2	94.8	94.8
17.5°	200.6	192.4	177.3	160.8	144.3	129.2	120.9	114.1	109.9	111.3	111.3
20°	244.6	235.0	214.4	192.4	169.0	152.5	138.8	131.9	129.2	129.2	129.2
22.5°	292.7	281.7	259.7	229.5	199.2	175.9	158.0	149.8	149.8	149.8	149.8
25°	355.9	336.7	309.2	269.3	229.5	196.5	177.3	170.4	170.4	171.8	173.1
27.5°	416.4	404.0	362.8	311.9	261.1	218.5	193.7	186.9	191.0	193.7	195.1
30°	493.3	471.3	421.8	355.9	289.9	236.3	208.9	203.4	210.2	214.4	215.7
32.5°	578.5	548.3	485.1	404.0	316.0	250.1	219.9	217.1	224.0	230.8	230.8
35°	665.1	629.3	549.6	450.7	336.7	258.3	226.7	226.7	235.0	241.8	241.8
37.5°	759.9	711.8	619.7	490.6	353.1	262.5	230.8	232.2	241.8	246.0	247.3
40°	860.2	805.2	685.7	527.7	361.4	261.1	232.2	236.3	243.2	247.3	247.3
42.5°	964.6	902.8	757.1	555.1	362.8	258.3	230.8	236.3	243.2	244.6	244.6
45°	1082.8	1010.0	825.8	575.7	357.3	252.8	229.5	236.3	240.5	239.1	239.1
47.5°	1213.3	1124.0	891.8	592.2	346.3	246.0	228.1	236.3	237.7	235.0	233.6
50°	1360.4	1250.4	968.7	599.1	333.9	239.1	226.7	235.0	235.0	229.5	229.5
52.5°	1512.9	1396.1	1047.1	600.5	318.8	232.2	226.7	235.0	233.6	225.4	225.4
55°	1653.0	1539.0	1130.9	599.1	302.3	224.0	224.0	235.0	232.2	224.0	224.0
57.5°	1833.1	1691.5	1201.0	588.1	284.4	218.5	222.6	235.0	230.8	222.6	222.6
60°	1967.7	1831.7	1255.9	573.0	267.9	210.2	219.9	233.6	229.5	222.6	222.6
62.5°	2090.0	1947.1	1283.4	546.9	248.7	203.4	215.7	230.8	229.5	224.0	222.6
65°	2151.8	1996.6	1272.4	507.0	230.8	195.1	211.6	228.1	226.7	222.6	222.6
67.5°	2136.7	1977.3	1210.6	456.2	213.0	186.9	204.7	219.9	221.2	219.9	219.9
70°	2025.4	1849.5	1093.8	393.0	196.5	175.9	196.5	211.6	213.0	213.0	214.4
72.5°	1808.3	1633.8	942.6	333.9	178.6	164.9	184.1	199.2	202.0	203.4	202.0
75°	1519.8	1342.5	754.4	276.2	162.1	152.5	170.4	184.1	188.3	188.3	188.3
77.5°	1169.4	1026.5	568.9	221.2	145.7	138.8	155.3	167.6	170.4	171.8	170.4
80°	830.0	724.2	401.2	178.6	129.2	125.0	137.4	147.0	149.8	152.5	151.2
82.5°	541.4	483.7	281.7	141.5	111.3	108.6	119.5	126.4	129.2	129.2	127.8
85°	328.4	300.9	185.5	112.7	94.8	92.1	100.3	104.4	105.8	105.8	105.8
87.5°	204.7	185.5	130.5	90.7	79.7	78.3	82.4	83.8	87.9	86.6	85.2
90°	131.9	123.7	96.2	71.5	64.6	64.6	67.3	67.3	70.1	70.1	67.3
92.5°	94.8	90.7	74.2	59.1	53.6	55.0	56.3	55.0	56.3	56.3	56.3
95°	72.8	70.1	61.8	50.8	45.3	46.7	45.3	45.3	46.7	46.7	45.3
97.5°	57.7	57.7	50.8	42.6	39.8	38.5	39.8	38.5	39.8	38.5	37.1
100°	45.3	45.3	42.6	37.1	34.4	33.0	34.4	33.0	34.4	33.0	31.6
102.5°	35.7	37.1	35.7	31.6	30.2	28.9	28.9	28.9	28.9	27.5	27.5
105°	27.5	28.9	30.2	27.5	26.1	24.7	24.7	24.7	24.7	23.4	22.0
107.5°	22.0	23.4	24.7	23.4	23.4	22.0	22.0	22.0	20.6	19.2	19.2
110°	17.9	19.2	20.6	20.6	19.2	19.2	19.2	19.2	17.9	16.5	16.5

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 CATALOG NUMBER: LXF.LXT-PA16-40-727-U-T2U-TL

CANDELA DISTRIBUTION (continued):

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