

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: P695353

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS AND
FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5075 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Short
BUG Rating: B1 - U3 - G3

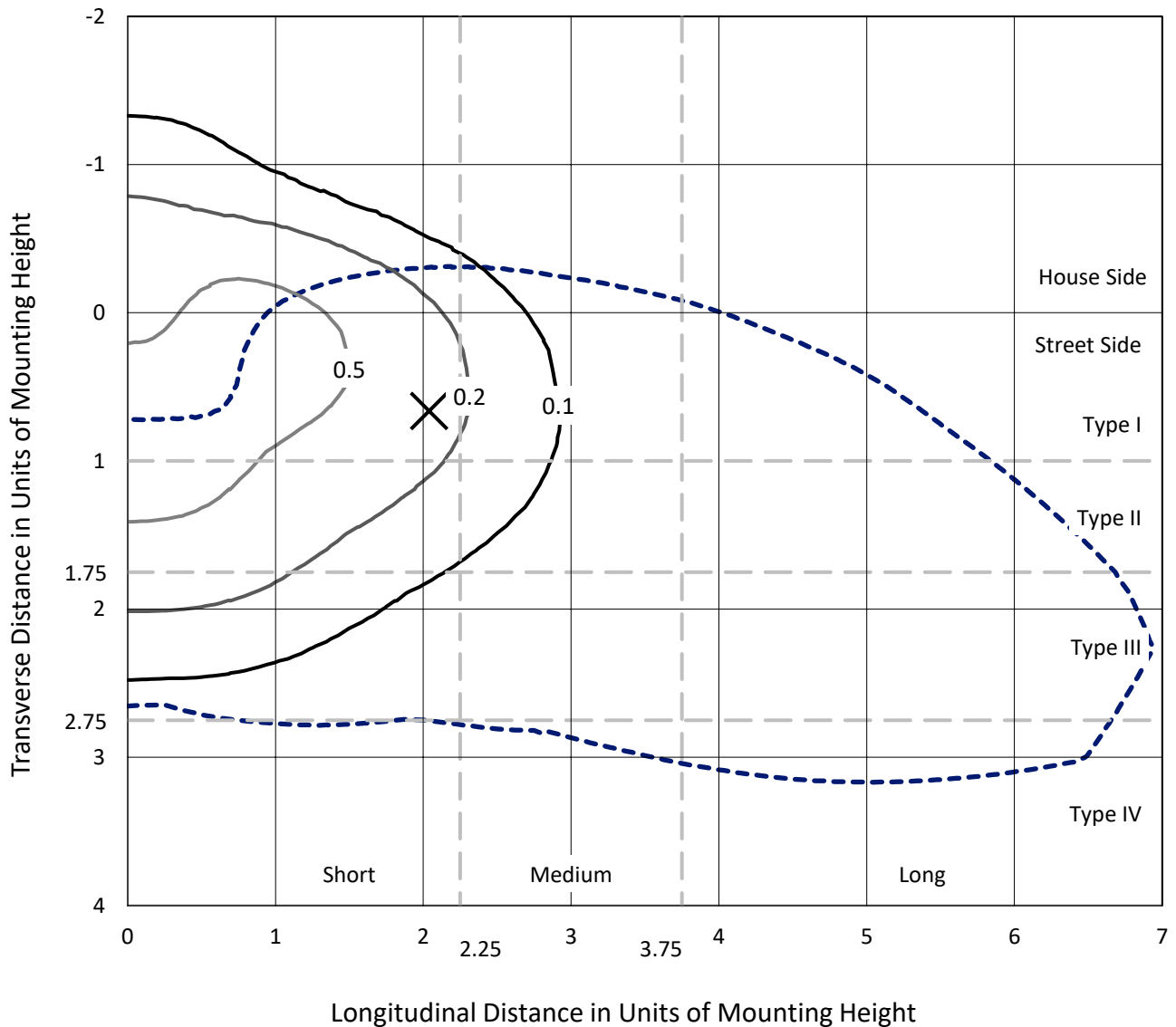
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

Iso-Footcandle Lines of Horizontal Illumination

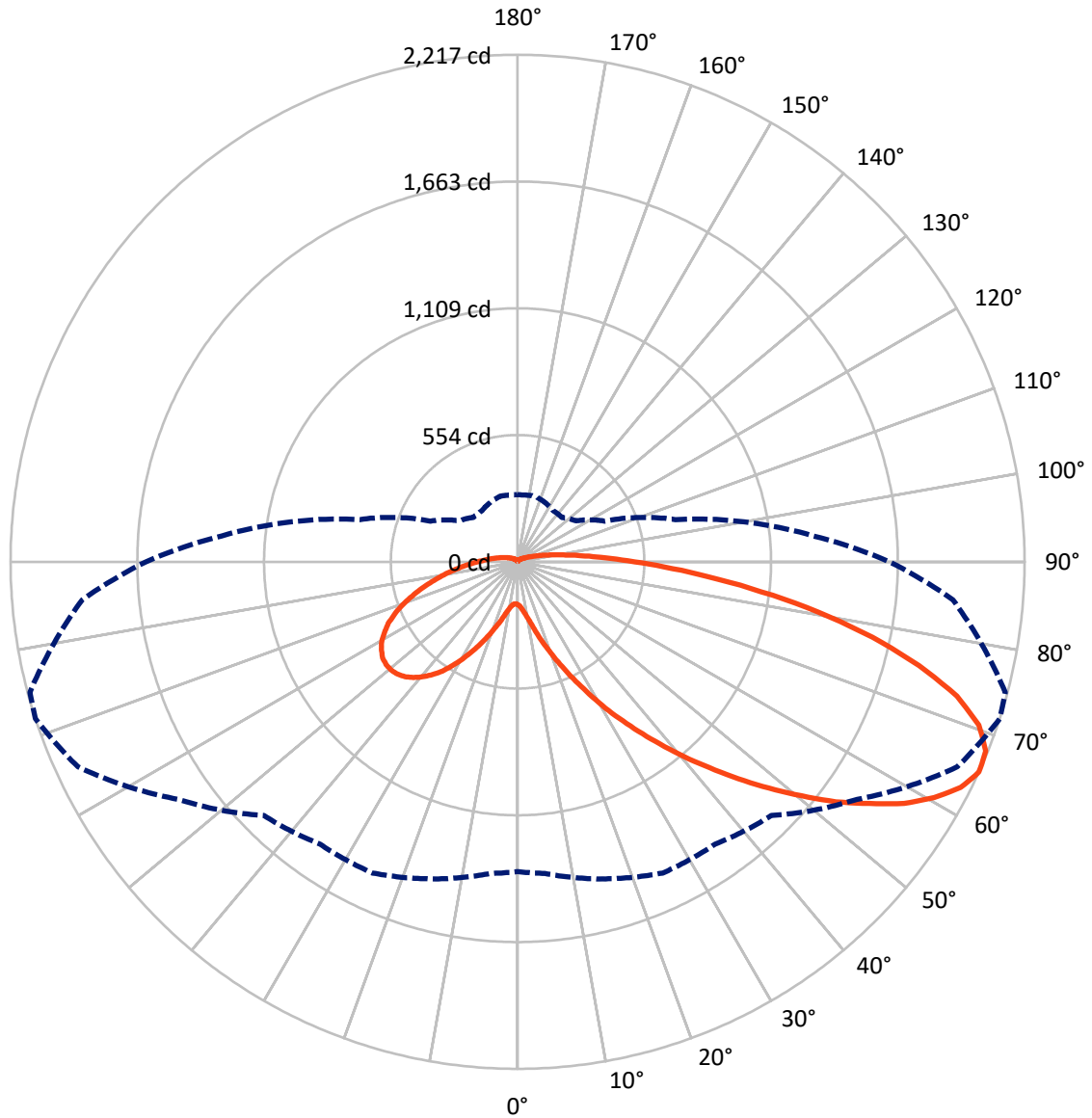
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

REPORT NUMBER: P695353
CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

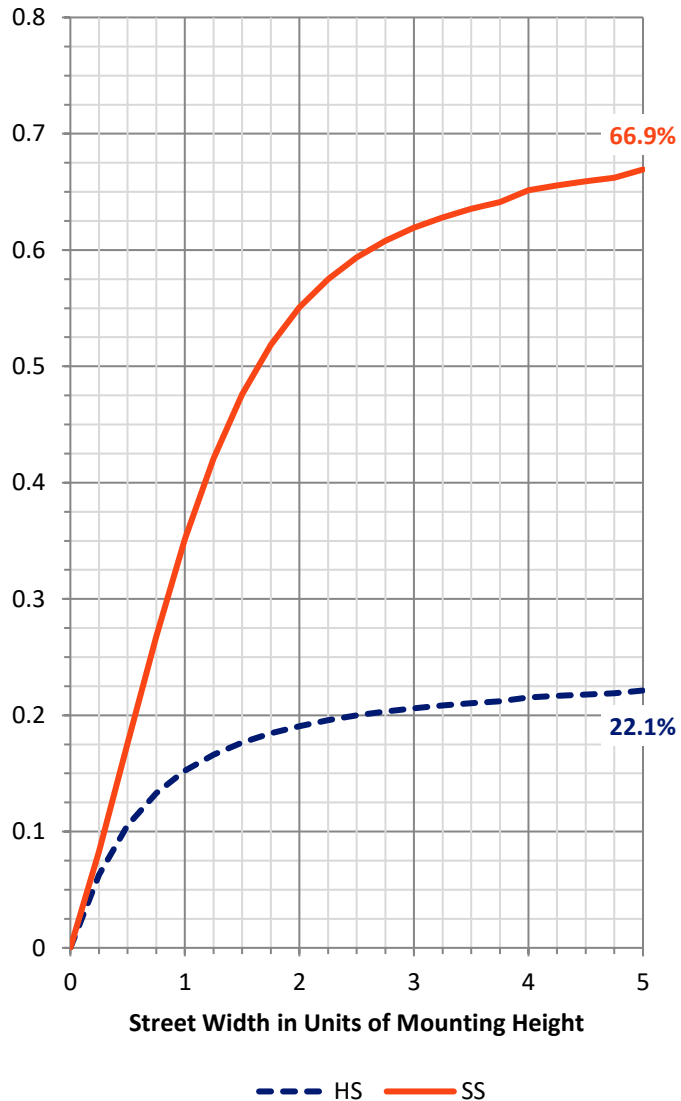
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1186.0	150.0	1336.0
	% Fixture	23.4	3.0	26.3
Street Side	Lumens	3526.8	212.3	3739.0
	% Fixture	69.5	4.2	73.7
Total	Lumens	4712.7	362.3	5075.0
	% Fixture	92.9	7.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.6	0.4
10°-20°	82.5	1.6
20°-30°	212.6	4.2
30°-40°	422.8	8.3
40°-50°	688.4	13.6
50°-60°	952.9	18.8
60°-70°	1064.5	21.0
70°-80°	833.4	16.4
80°-90°	435.9	8.6
90°-100°	189.6	3.7
100°-110°	87.4	1.7
110°-120°	44.5	0.9
120°-130°	23.9	0.5
130°-140°	12.0	0.2
140°-150°	4.6	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4712.7	92.9
0°-180°	5075.0	100.0

Coefficient of Utilization

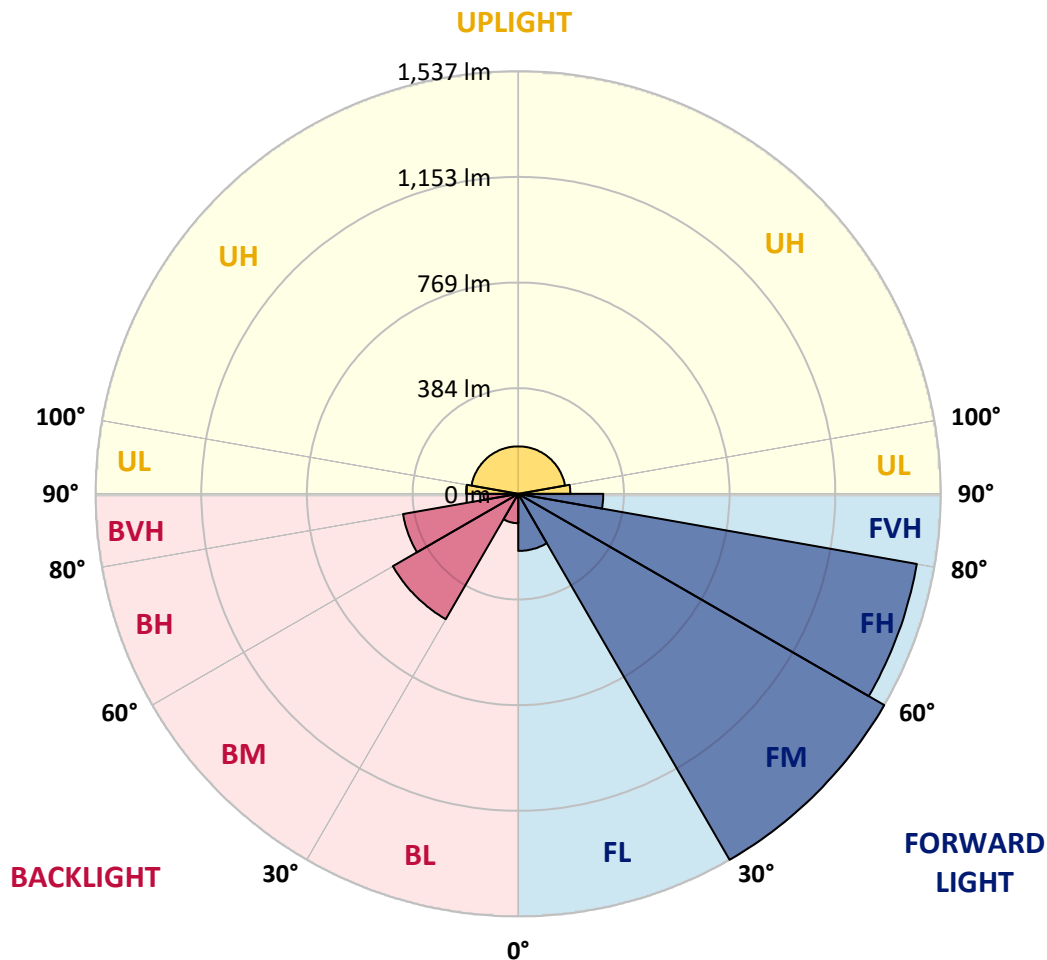


REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.8	4.1			
FM (30°-60°)	1537.3	30.3			
FH (60°-80°)	1472.3	29.0			G1/1800
FVH (80°-90°)	309.3	6.1			G3/500
BL (0°-30°)	107.0	2.1	B0/110		
BM (30°-60°)	526.8	10.4	B1/1000		
BH (60°-80°)	425.7	8.4	B1/500		G1/500
BVH (80°-90°)	126.5	2.5			G2/225
UL (90°-100°)	189.6	3.7		U3/500	
UH (100°-180°)	172.7	3.4		U3/500	

BUG Rating: B1-U3-G3
 Type III Short



REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9
2.5°	203.0	204.8	204.8	203.0	203.0	201.1	199.2	195.4	193.6	193.6	189.8
5°	229.3	231.1	229.3	227.4	225.5	219.9	218.0	212.3	208.6	206.7	199.2
7.5°	263.1	263.1	261.2	257.4	253.7	249.9	240.5	233.0	227.4	223.6	214.2
10°	298.8	298.8	296.9	295.0	289.4	280.0	270.6	261.2	251.8	249.9	236.8
12.5°	347.6	343.9	340.1	334.5	328.9	319.5	306.3	295.0	285.6	283.8	268.7
15°	396.5	398.4	390.9	381.5	374.0	362.7	351.4	342.0	330.7	327.0	306.3
17.5°	452.9	454.8	449.1	441.6	428.5	417.2	402.1	389.0	381.5	374.0	349.5
20°	522.4	522.4	516.8	501.7	488.6	475.4	462.3	447.2	434.1	428.5	402.1
22.5°	595.7	593.8	586.3	567.5	550.6	533.7	522.4	507.4	498.0	490.5	460.4
25°	684.0	678.4	667.1	644.6	622.0	601.3	584.4	578.8	565.6	558.1	529.9
27.5°	770.5	774.2	755.4	725.4	693.4	672.7	657.7	650.2	640.8	637.0	601.3
30°	877.6	870.1	849.4	811.8	766.7	738.5	731.0	729.1	729.1	721.6	684.0
32.5°	977.2	969.7	947.1	902.0	847.5	811.8	806.2	811.8	815.6	813.7	766.7
35°	1078.7	1071.1	1044.8	996.0	922.7	881.3	881.3	903.9	909.5	905.8	858.8
37.5°	1174.5	1170.7	1144.4	1078.7	1009.1	958.4	965.9	1001.6	1011.0	1009.1	949.0
40°	1266.6	1266.6	1240.3	1168.9	1084.3	1033.6	1046.7	1101.2	1120.0	1118.1	1052.3
42.5°	1360.5	1356.8	1332.3	1262.8	1165.1	1108.7	1133.1	1200.8	1230.9	1234.6	1155.7
45°	1441.3	1437.6	1418.8	1341.7	1244.0	1185.8	1221.5	1313.6	1353.0	1351.1	1257.2
47.5°	1510.9	1509.0	1495.8	1424.4	1321.1	1266.6	1317.3	1430.1	1478.9	1478.9	1371.8
50°	1567.2	1569.1	1559.7	1501.5	1392.5	1343.6	1413.1	1548.4	1608.6	1608.6	1480.8
52.5°	1602.9	1606.7	1610.5	1556.0	1460.1	1415.0	1505.2	1672.5	1743.9	1742.0	1591.7
55°	1614.2	1618.0	1636.8	1602.9	1514.6	1480.8	1597.3	1792.7	1866.0	1860.4	1693.1
57.5°	1595.4	1602.9	1634.9	1623.6	1552.2	1533.4	1674.4	1896.1	1993.8	1988.2	1787.1
60°	1548.4	1557.8	1602.9	1616.1	1567.2	1569.1	1745.8	1999.5	2093.4	2089.7	1860.4
62.5°	1465.8	1480.8	1539.1	1574.8	1554.1	1584.2	1792.7	2078.4	2174.2	2168.6	1903.6
65°	1354.9	1368.0	1435.7	1501.5	1507.1	1569.1	1811.5	2121.6	2217.4	2208.0	1911.1
67.5°	1223.3	1217.7	1304.2	1388.7	1422.5	1514.6	1787.1	2116.0	2208.0	2191.1	1864.2
70°	1061.7	1061.7	1150.1	1234.6	1306.0	1430.1	1719.5	2055.8	2140.4	2116.0	1774.0
72.5°	871.9	892.6	969.7	1069.3	1157.6	1307.9	1614.2	1937.4	2008.8	1980.7	1621.7
75°	714.1	731.0	798.7	898.3	999.7	1167.0	1458.2	1766.4	1813.4	1785.2	1435.7
77.5°	573.2	580.7	654.0	738.5	843.8	996.0	1272.2	1552.2	1586.0	1556.0	1225.2
80°	441.6	460.4	511.1	591.9	693.4	841.9	1078.7	1302.3	1334.2	1300.4	1001.6
82.5°	347.6	353.3	400.3	477.3	563.8	689.7	887.0	1058.0	1073.0	1033.6	808.0
85°	268.7	272.5	311.9	377.7	452.9	554.4	708.5	832.5	836.2	813.7	631.4
87.5°	204.8	212.3	248.1	300.7	364.6	452.9	558.1	644.6	638.9	622.0	492.3
90°	161.6	165.4	191.7	238.7	291.3	357.0	436.0	492.3	481.1	473.6	372.1
92.5°	127.8	129.7	157.9	193.6	236.8	289.4	342.0	379.6	364.6	358.9	283.8
95°	101.5	105.2	125.9	157.9	193.6	233.0	268.7	287.5	278.1	268.7	219.9
97.5°	82.7	84.6	103.4	129.7	159.7	189.8	214.2	221.7	212.3	208.6	171.0
100°	69.5	69.5	86.4	109.0	131.5	156.0	171.0	174.8	167.2	157.9	131.5
102.5°	58.3	58.3	71.4	92.1	112.8	129.7	139.1	139.1	129.7	124.0	105.2
105°	48.9	50.7	60.1	78.9	95.8	109.0	116.5	110.9	103.4	99.6	84.6
107.5°	43.2	43.2	52.6	67.7	82.7	92.1	95.8	90.2	82.7	77.0	67.7
110°	39.5	39.5	45.1	58.3	71.4	80.8	80.8	75.2	65.8	62.0	56.4

REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	33.8	35.7	39.5	50.7	62.0	69.5	69.5	62.0	54.5	50.7	47.0
115°	31.9	31.9	35.7	45.1	54.5	60.1	60.1	52.6	45.1	43.2	39.5
117.5°	28.2	28.2	31.9	39.5	47.0	52.6	50.7	45.1	37.6	35.7	33.8
120°	26.3	26.3	28.2	33.8	41.3	45.1	43.2	37.6	31.9	30.1	30.1
122.5°	24.4	24.4	26.3	30.1	37.6	39.5	37.6	31.9	28.2	26.3	28.2
125°	22.6	22.6	24.4	28.2	31.9	33.8	31.9	26.3	24.4	24.4	24.4
127.5°	22.6	22.6	22.6	24.4	28.2	30.1	28.2	22.6	20.7	20.7	22.6
130°	20.7	20.7	20.7	22.6	24.4	26.3	22.6	18.8	18.8	18.8	18.8
132.5°	18.8	18.8	18.8	18.8	20.7	20.7	18.8	16.9	16.9	16.9	16.9
135°	16.9	16.9	16.9	16.9	16.9	16.9	15.0	13.2	15.0	15.0	15.0
137.5°	15.0	15.0	15.0	15.0	15.0	13.2	13.2	11.3	13.2	13.2	13.2
140°	13.2	13.2	13.2	13.2	11.3	11.3	9.4	9.4	9.4	11.3	11.3
142.5°	11.3	11.3	11.3	11.3	9.4	7.5	7.5	7.5	9.4	9.4	9.4
145°	9.4	9.4	9.4	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5
147.5°	7.5	7.5	7.5	5.6	5.6	3.8	3.8	3.8	5.6	5.6	5.6
150°	5.6	5.6	5.6	3.8	3.8	1.9	1.9	3.8	3.8	3.8	3.8
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: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9	187.9
2.5°	187.9	187.9	184.2	182.3	180.4	178.5	176.6	174.8	174.8	174.8	174.8
5°	197.3	191.7	186.0	180.4	174.8	171.0	165.4	163.5	161.6	159.7	159.7
7.5°	208.6	204.8	193.6	184.2	174.8	167.2	161.6	156.0	152.2	150.3	150.3
10°	229.3	221.7	208.6	193.6	180.4	169.1	159.7	152.2	148.5	146.6	146.6
12.5°	259.3	248.1	229.3	208.6	189.8	174.8	163.5	154.1	148.5	148.5	146.6
15°	295.0	281.9	257.4	231.1	204.8	184.2	171.0	163.5	157.9	156.0	156.0
17.5°	336.4	323.2	291.3	255.6	227.4	201.1	184.2	174.8	169.1	165.4	165.4
20°	387.1	368.3	327.0	285.6	248.1	223.6	199.2	187.9	180.4	176.6	174.8
22.5°	441.6	420.9	370.2	317.6	274.4	242.4	216.1	199.2	189.8	187.9	186.0
25°	507.4	477.3	415.3	351.4	300.7	261.2	231.1	210.5	203.0	199.2	199.2
27.5°	576.9	541.2	464.2	387.1	325.1	276.2	242.4	221.7	214.2	212.3	210.5
30°	650.2	608.9	514.9	426.6	347.6	291.3	255.6	234.9	225.5	223.6	223.6
32.5°	731.0	682.1	565.6	456.6	364.6	300.7	263.1	244.3	234.9	234.9	234.9
35°	809.9	753.6	618.3	488.6	379.6	308.2	270.6	253.7	244.3	246.2	246.2
37.5°	894.5	832.5	663.4	511.1	390.9	313.8	274.4	261.2	255.6	255.6	255.6
40°	986.6	898.3	704.7	528.1	394.6	315.7	278.1	266.8	263.1	263.1	265.0
42.5°	1074.9	975.3	740.4	541.2	396.5	315.7	280.0	272.5	270.6	270.6	270.6
45°	1163.2	1042.9	772.3	545.0	394.6	313.8	281.9	276.2	276.2	276.2	276.2
47.5°	1259.1	1110.6	794.9	543.1	389.0	310.1	281.9	278.1	281.9	280.0	280.0
50°	1343.6	1174.5	809.9	537.4	381.5	306.3	280.0	281.9	285.6	283.8	283.8
52.5°	1431.9	1230.9	817.4	524.3	370.2	300.7	280.0	283.8	287.5	285.6	285.6
55°	1510.9	1279.7	817.4	509.3	360.8	296.9	280.0	285.6	291.3	289.4	289.4
57.5°	1574.8	1313.6	804.3	488.6	347.6	291.3	278.1	285.6	293.2	291.3	291.3
60°	1623.6	1332.3	785.5	467.9	336.4	285.6	276.2	285.6	295.0	291.3	293.2
62.5°	1644.3	1330.5	751.7	443.5	325.1	280.0	274.4	285.6	295.0	293.2	293.2
65°	1625.5	1298.5	714.1	420.9	311.9	274.4	272.5	285.6	296.9	293.2	293.2
67.5°	1571.0	1236.5	665.2	392.7	298.8	268.7	268.7	283.8	295.0	291.3	291.3
70°	1471.4	1146.3	608.9	368.3	285.6	261.2	263.1	278.1	289.4	289.4	287.5
72.5°	1338.0	1029.8	546.8	340.1	272.5	251.8	255.6	272.5	281.9	281.9	280.0
75°	1182.0	894.5	484.8	313.8	257.4	242.4	246.2	261.2	272.5	270.6	268.7
77.5°	996.0	757.3	424.7	285.6	240.5	229.3	234.9	249.9	259.3	255.6	253.7
80°	825.0	637.0	370.2	257.4	223.6	216.1	221.7	233.0	240.5	238.7	236.8
82.5°	659.6	514.9	313.8	231.1	206.7	201.1	206.7	216.1	221.7	219.9	216.1
85°	513.0	417.2	268.7	204.8	187.9	184.2	189.8	197.3	201.1	197.3	195.4
87.5°	404.0	327.0	223.6	180.4	169.1	167.2	171.0	178.5	182.3	178.5	172.9
90°	315.7	263.1	189.8	159.7	152.2	152.2	154.1	159.7	159.7	156.0	154.1
92.5°	246.2	210.5	159.7	139.1	135.3	135.3	139.1	140.9	140.9	135.3	133.4
95°	193.6	169.1	135.3	122.1	120.3	120.3	124.0	124.0	122.1	116.5	114.6
97.5°	152.2	137.2	116.5	107.1	105.2	107.1	109.0	109.0	105.2	99.6	97.7
100°	122.1	112.8	97.7	94.0	94.0	95.8	95.8	94.0	90.2	84.6	84.6
102.5°	99.6	92.1	84.6	82.7	82.7	84.6	84.6	82.7	78.9	71.4	71.4
105°	80.8	75.2	71.4	71.4	73.3	73.3	73.3	71.4	65.8	60.1	60.1
107.5°	65.8	63.9	62.0	62.0	63.9	65.8	65.8	62.0	56.4	52.6	52.6
110°	54.5	54.5	54.5	54.5	56.4	58.3	58.3	54.5	48.9	45.1	45.1

REPORT NUMBER: P695353
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	47.0	45.1	47.0	48.9	50.7	52.6	50.7	47.0	41.3	39.5	39.5
115°	39.5	39.5	41.3	43.2	45.1	45.1	45.1	41.3	35.7	33.8	33.8
117.5°	35.7	35.7	35.7	37.6	39.5	41.3	39.5	35.7	30.1	30.1	30.1
120°	30.1	30.1	31.9	33.8	35.7	35.7	33.8	30.1	26.3	26.3	26.3
122.5°	28.2	28.2	28.2	30.1	31.9	31.9	30.1	26.3	22.6	24.4	24.4
125°	24.4	24.4	24.4	26.3	28.2	28.2	26.3	22.6	20.7	20.7	20.7
127.5°	22.6	22.6	22.6	22.6	24.4	24.4	22.6	20.7	18.8	18.8	18.8
130°	20.7	20.7	20.7	20.7	20.7	20.7	18.8	16.9	16.9	16.9	16.9
132.5°	16.9	16.9	16.9	16.9	18.8	18.8	16.9	15.0	15.0	15.0	15.0
135°	15.0	15.0	15.0	15.0	15.0	15.0	13.2	13.2	13.2	13.2	13.2
137.5°	13.2	13.2	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3	11.3
140°	11.3	11.3	11.3	11.3	11.3	9.4	9.4	9.4	9.4	11.3	11.3
142.5°	9.4	9.4	9.4	9.4	7.5	7.5	7.5	7.5	9.4	9.4	9.4
145°	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5	7.5
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	5.6	5.6	7.5	7.5
150°	3.8	3.8	3.8	3.8	1.9	1.9	3.8	3.8	5.6	5.6	5.6
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)