

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: P695344

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2R-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695344
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-PA16-50-730-U-T2R-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5068 lumens
Efficiency: N/A
Efficacy: 95.4 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

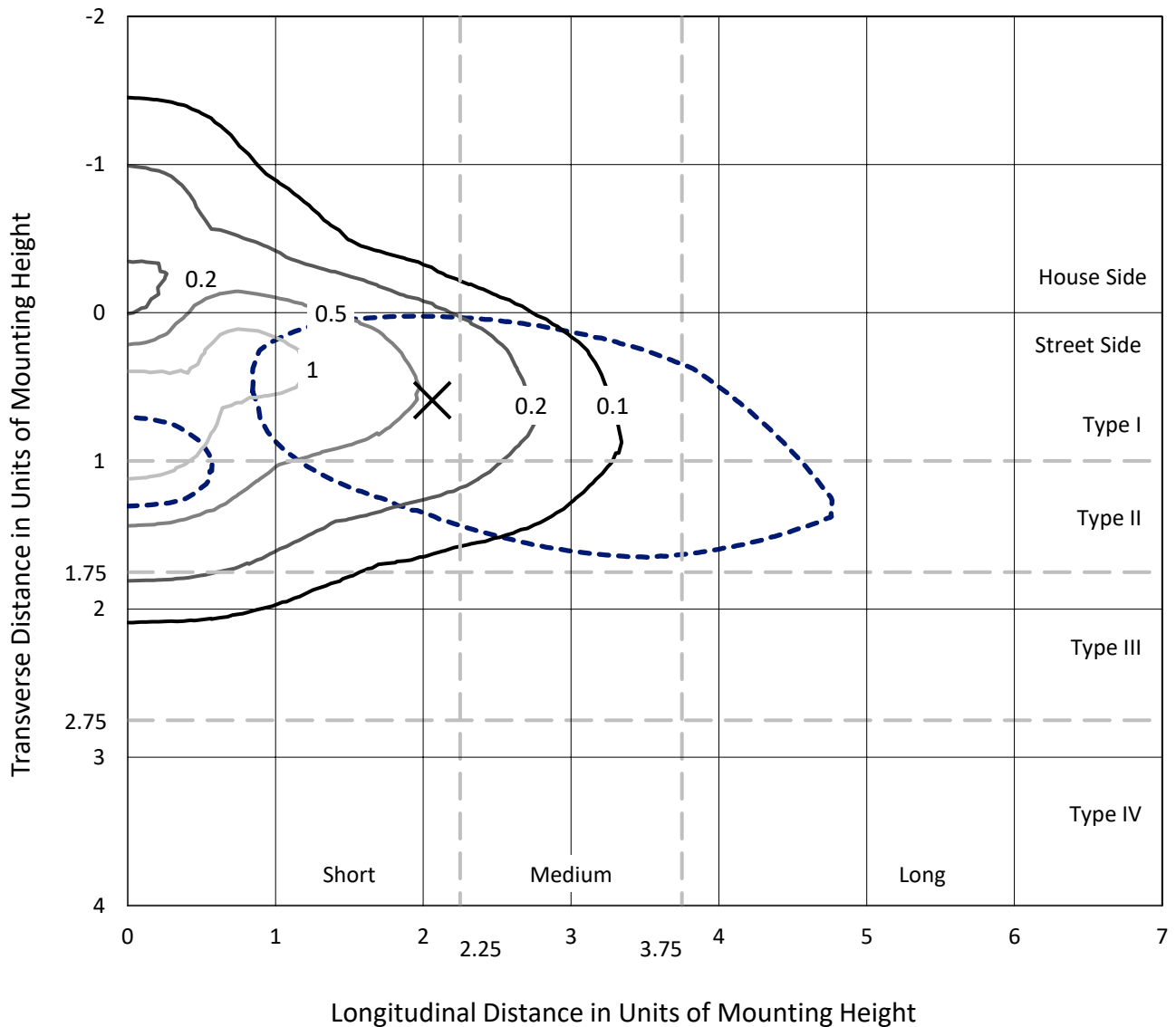
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

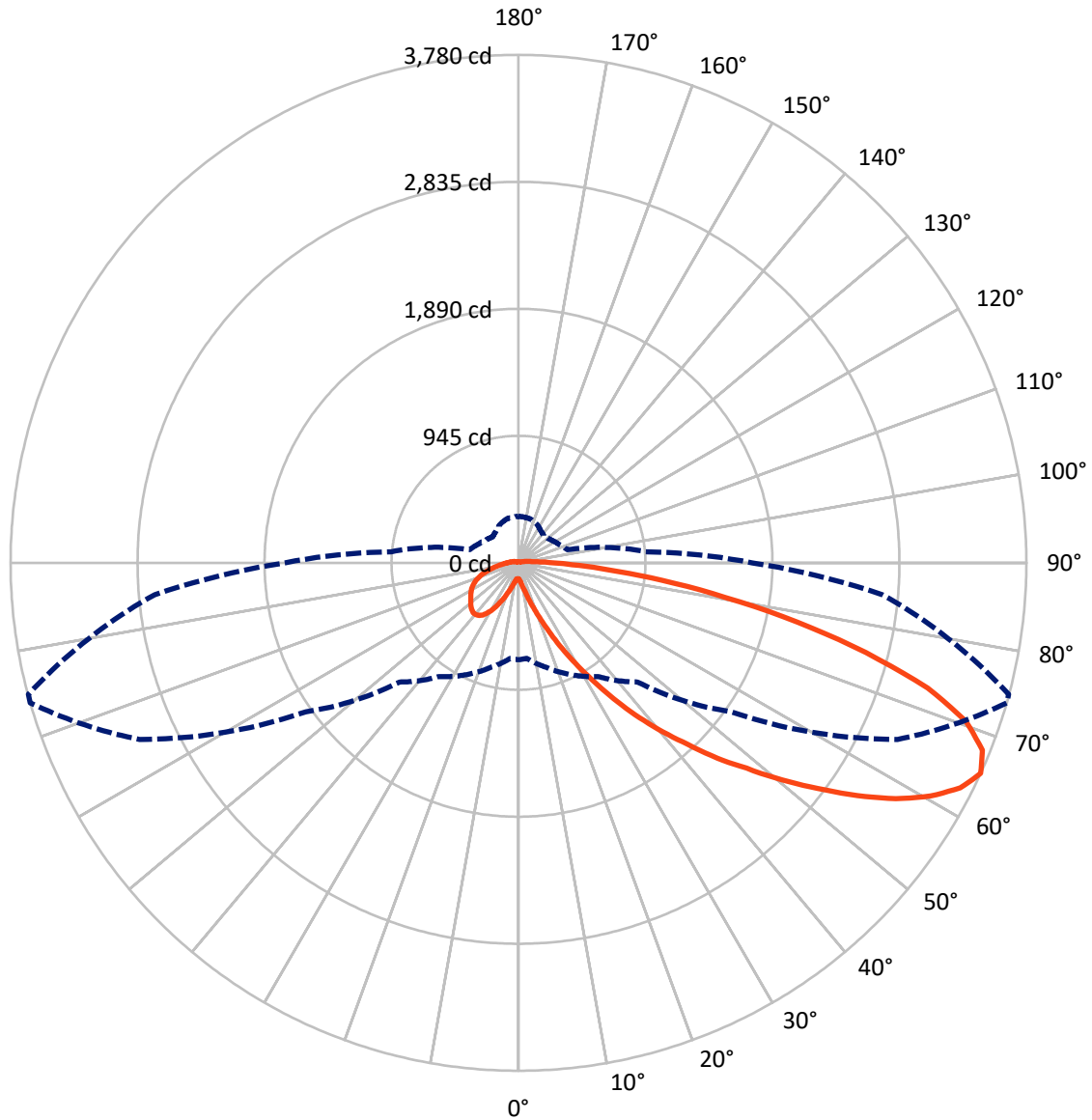
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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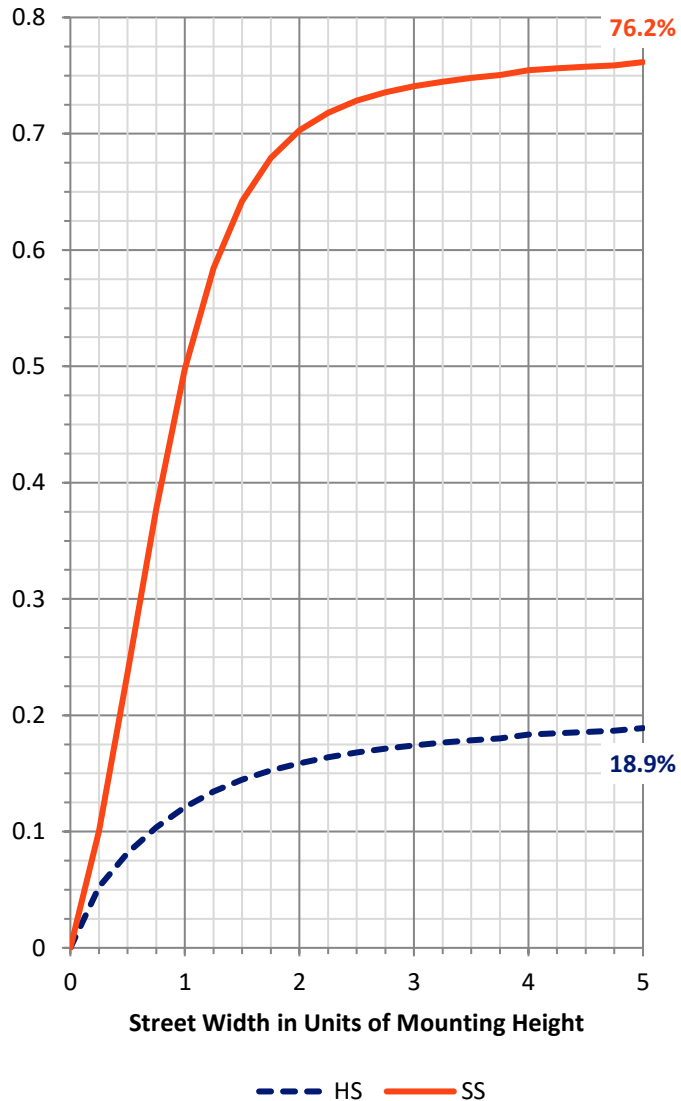
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1005.6	82.0	1087.6
	% Fixture	19.8	1.6	21.5
Street Side	Lumens	3907.0	73.4	3980.4
	% Fixture	77.1	1.4	78.5
Total	Lumens	4912.6	155.4	5068.0
	% Fixture	96.9	3.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.7	0.3
10°-20°	73.0	1.4
20°-30°	242.9	4.8
30°-40°	556.7	11.0
40°-50°	891.0	17.6
50°-60°	1105.9	21.8
60°-70°	1073.3	21.2
70°-80°	700.1	13.8
80°-90°	255.9	5.1
90°-100°	76.4	1.5
100°-110°	35.3	0.7
110°-120°	19.6	0.4
120°-130°	12.2	0.2
130°-140°	7.7	0.2
140°-150°	3.9	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4912.6	96.9
0°-180°	5068.0	100.0

Coefficient of Utilization

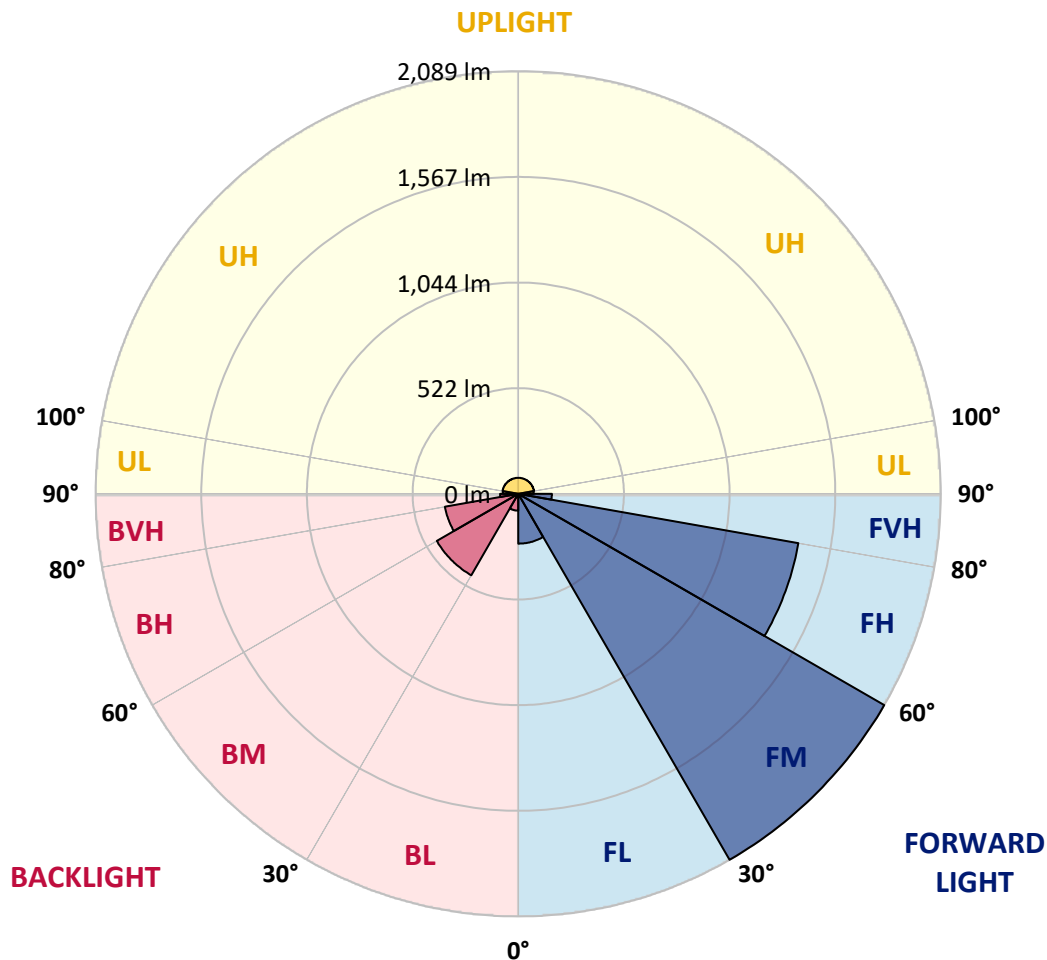


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	246.4	4.9			
FM (30°-60°)	2088.8	41.2			
FH (60°-80°)	1405.7	27.7			G1/1800
FVH (80°-90°)	166.2	3.3			G2/225
BL (0°-30°)	83.3	1.6	B0/110		
BM (30°-60°)	464.8	9.2	B1/1000		
BH (60°-80°)	367.7	7.3	B1/500		G1/500
BVH (80°-90°)	89.8	1.8			G1/100
UL (90°-100°)	76.4	1.5		U3/500	
UH (100°-180°)	79.1	1.6		U3/500	

BUG Rating: B1-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
2.5°	137.2	139.0	139.0	137.2	135.3	135.3	131.5	127.8	125.9	125.9	124.0
5°	167.2	169.1	169.1	165.3	159.7	157.8	150.3	144.7	139.0	139.0	131.5
7.5°	210.4	212.3	208.5	204.8	197.3	189.8	180.4	169.1	157.8	155.9	146.5
10°	261.2	266.8	263.0	253.6	242.4	233.0	217.9	199.2	187.9	184.1	167.2
12.5°	340.1	336.3	326.9	317.5	304.4	285.6	264.9	242.4	219.8	221.7	199.2
15°	420.9	428.4	415.2	398.3	372.0	351.3	323.2	298.7	274.3	270.5	240.5
17.5°	539.2	537.3	522.3	488.5	449.0	428.4	398.3	368.2	340.1	330.7	291.2
20°	678.3	676.4	646.3	603.1	565.5	524.2	482.9	450.9	417.1	409.6	358.9
22.5°	843.6	836.1	804.1	742.1	678.3	627.5	584.3	559.9	514.8	507.3	437.8
25°	1035.2	1018.3	982.6	900.0	802.3	744.0	704.6	676.4	633.2	623.8	533.6
27.5°	1247.5	1236.3	1170.5	1061.5	945.0	854.9	826.7	807.9	772.2	760.9	640.7
30°	1446.7	1450.4	1379.1	1241.9	1093.5	984.5	963.8	965.7	918.7	909.3	766.6
32.5°	1683.4	1668.4	1576.3	1418.5	1232.5	1119.8	1101.0	1127.3	1087.8	1080.3	903.7
35°	1871.3	1882.6	1784.9	1589.5	1373.4	1243.8	1251.3	1294.5	1272.0	1260.7	1025.8
37.5°	2051.7	2042.3	1927.7	1734.1	1495.5	1360.3	1388.4	1484.3	1461.7	1448.6	1170.5
40°	2171.9	2160.6	2061.1	1852.5	1606.4	1467.4	1521.8	1664.6	1655.2	1649.6	1294.5
42.5°	2228.3	2213.2	2132.5	1935.2	1687.2	1551.9	1659.0	1848.8	1846.9	1841.2	1437.3
45°	2215.1	2205.7	2143.7	1984.0	1739.8	1630.8	1781.1	2040.4	2074.2	2047.9	1568.8
47.5°	2156.9	2147.5	2104.3	1984.0	1768.0	1679.7	1890.1	2241.4	2284.6	2260.2	1715.4
50°	2040.4	2036.6	2025.4	1937.1	1764.2	1719.1	1995.3	2423.7	2540.2	2515.7	1882.6
52.5°	1876.9	1875.1	1893.8	1852.5	1728.5	1724.8	2078.0	2634.1	2790.0	2763.7	2046.0
55°	1685.3	1685.3	1717.2	1721.0	1659.0	1704.1	2141.8	2803.2	3058.7	3021.1	2224.5
57.5°	1441.1	1448.6	1520.0	1566.9	1544.4	1644.0	2164.4	2964.8	3312.4	3287.9	2408.6
60°	1198.7	1202.4	1285.1	1364.0	1403.5	1559.4	2143.7	3075.6	3524.7	3515.3	2557.1
62.5°	945.0	948.8	1035.2	1149.8	1226.9	1420.4	2066.7	3126.3	3690.0	3684.4	2666.0
65°	721.5	713.9	806.0	918.7	1033.3	1255.0	1933.3	3111.3	3780.2	3776.4	2718.6
67.5°	518.6	533.6	603.1	712.1	828.6	1078.4	1749.2	2964.8	3723.8	3727.6	2662.3
70°	375.8	400.2	449.0	531.7	651.9	886.8	1527.5	2720.5	3532.2	3554.7	2502.6
72.5°	289.3	291.2	330.7	396.4	492.2	702.7	1264.4	2388.0	3184.6	3192.1	2226.4
75°	225.5	231.1	257.4	304.4	377.6	544.9	1025.8	1976.5	2669.8	2713.0	1888.2
77.5°	184.1	186.0	206.7	234.9	289.3	411.5	766.6	1559.4	2123.1	2126.8	1473.0
80°	144.7	152.2	169.1	187.9	225.5	308.1	563.6	1142.3	1561.3	1536.9	1042.7
82.5°	110.9	116.5	129.6	150.3	171.0	231.1	403.9	806.0	1072.8	1054.0	713.9
85°	82.7	86.4	99.6	116.5	135.3	176.6	281.8	520.4	665.1	644.4	434.0
87.5°	58.2	60.1	71.4	86.4	103.3	133.4	195.4	319.4	400.2	392.7	268.7
90°	39.5	41.3	50.7	63.9	80.8	103.3	140.9	199.2	233.0	233.0	171.0
92.5°	28.2	30.1	37.6	48.8	63.9	82.7	103.3	129.6	142.8	140.9	116.5
95°	22.5	22.5	30.1	39.5	52.6	67.6	78.9	88.3	95.8	95.8	88.3
97.5°	18.8	18.8	26.3	33.8	45.1	56.4	63.9	65.8	69.5	69.5	65.8
100°	16.9	16.9	22.5	30.1	37.6	47.0	52.6	50.7	52.6	54.5	50.7
102.5°	15.0	15.0	20.7	26.3	33.8	41.3	43.2	41.3	41.3	41.3	39.5
105°	13.2	13.2	18.8	24.4	30.1	35.7	37.6	33.8	31.9	31.9	31.9
107.5°	11.3	11.3	16.9	20.7	26.3	31.9	31.9	30.1	26.3	26.3	24.4
110°	11.3	11.3	15.0	18.8	24.4	28.2	28.2	24.4	20.7	20.7	20.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
112.5°	9.4	9.4	13.2	18.8	22.5	24.4	24.4	20.7	18.8	16.9	16.9
115°	9.4	9.4	13.2	16.9	20.7	22.5	22.5	18.8	15.0	15.0	15.0
117.5°	9.4	9.4	11.3	15.0	18.8	20.7	18.8	16.9	13.2	13.2	13.2
120°	9.4	9.4	11.3	13.2	16.9	18.8	18.8	15.0	11.3	11.3	13.2
122.5°	9.4	9.4	11.3	13.2	15.0	16.9	16.9	13.2	11.3	11.3	11.3
125°	9.4	9.4	11.3	13.2	15.0	16.9	15.0	13.2	9.4	9.4	11.3
127.5°	9.4	9.4	11.3	11.3	13.2	15.0	13.2	11.3	9.4	9.4	11.3
130°	9.4	9.4	11.3	11.3	13.2	13.2	13.2	9.4	9.4	9.4	9.4
132.5°	11.3	11.3	11.3	11.3	11.3	13.2	11.3	9.4	7.5	7.5	9.4
135°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	9.4	7.5	7.5	9.4
137.5°	9.4	11.3	9.4	9.4	9.4	11.3	9.4	7.5	7.5	7.5	7.5
140°	9.4	9.4	9.4	9.4	9.4	9.4	7.5	5.6	7.5	7.5	7.5
142.5°	9.4	9.4	9.4	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5
145°	7.5	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	5.6	5.6
147.5°	7.5	7.5	7.5	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6
150°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2	120.2
2.5°	122.1	120.2	118.4	116.5	112.7	110.9	110.9	109.0	109.0	109.0	109.0
5°	127.8	125.9	120.2	114.6	109.0	105.2	101.5	101.5	99.6	97.7	97.7
7.5°	140.9	135.3	125.9	116.5	110.9	103.3	99.6	95.8	93.9	93.9	93.9
10°	159.7	152.2	137.2	124.0	114.6	105.2	99.6	95.8	93.9	92.1	92.1
12.5°	186.0	176.6	154.1	137.2	120.2	110.9	103.3	99.6	97.7	97.7	97.7
15°	223.6	208.5	180.4	152.2	133.4	116.5	112.7	112.7	114.6	114.6	114.6
17.5°	272.4	249.9	206.7	171.0	146.5	131.5	125.9	127.8	131.5	131.5	131.5
20°	325.0	298.7	240.5	195.4	163.5	150.3	142.8	146.5	152.2	155.9	155.9
22.5°	398.3	360.7	281.8	221.7	184.1	167.2	163.5	167.2	176.6	180.4	180.4
25°	482.9	426.5	325.0	249.9	206.7	187.9	184.1	189.8	201.0	210.4	210.4
27.5°	571.2	499.8	372.0	278.1	227.3	204.8	202.9	212.3	227.3	236.7	238.6
30°	672.6	574.9	415.2	306.2	248.0	221.7	221.7	236.7	253.6	266.8	268.7
32.5°	772.2	653.8	452.8	330.7	266.8	236.7	238.6	257.4	279.9	291.2	295.0
35°	873.6	721.5	486.6	351.3	279.9	249.9	253.6	278.1	300.6	313.8	313.8
37.5°	971.3	783.5	503.5	362.6	291.2	259.3	266.8	295.0	317.5	328.8	330.7
40°	1065.3	830.4	514.8	370.1	298.7	268.7	276.2	306.2	330.7	341.9	341.9
42.5°	1148.0	869.9	516.7	372.0	304.4	274.3	285.6	315.6	338.2	345.7	347.6
45°	1232.5	903.7	507.3	368.2	308.1	279.9	289.3	321.3	341.9	347.6	349.5
47.5°	1309.5	931.9	496.0	364.5	310.0	281.8	293.1	325.0	343.8	345.7	347.6
50°	1399.7	954.4	479.1	358.9	311.9	283.7	295.0	325.0	343.8	343.8	343.8
52.5°	1486.1	973.2	462.2	353.2	311.9	283.7	295.0	326.9	343.8	341.9	341.9
55°	1580.1	990.1	445.3	349.5	310.0	283.7	295.0	326.9	341.9	340.1	341.9
57.5°	1653.4	997.7	432.1	345.7	310.0	281.8	293.1	325.0	340.1	340.1	340.1
60°	1717.2	995.8	415.2	341.9	308.1	279.9	293.1	323.2	340.1	340.1	340.1
62.5°	1754.8	978.9	398.3	338.2	304.4	276.2	291.2	323.2	340.1	341.9	341.9
65°	1739.8	948.8	375.8	328.8	296.9	272.4	289.3	319.4	338.2	343.8	345.7
67.5°	1675.9	881.2	351.3	315.6	289.3	268.7	287.5	315.6	334.4	343.8	343.8
70°	1542.5	796.6	319.4	296.9	276.2	263.0	281.8	310.0	326.9	338.2	338.2
72.5°	1356.5	687.6	289.3	272.4	261.2	253.6	276.2	300.6	315.6	325.0	325.0
75°	1127.3	571.2	253.6	244.2	242.4	240.5	264.9	287.5	296.9	304.4	304.4
77.5°	881.2	460.3	216.1	216.1	216.1	223.6	249.9	264.9	272.4	279.9	279.9
80°	644.4	351.3	182.2	184.1	189.8	204.8	227.3	238.6	242.4	249.9	246.1
82.5°	439.6	255.5	152.2	152.2	163.5	180.4	202.9	208.5	210.4	216.1	210.4
85°	289.3	184.1	125.9	125.9	137.2	154.1	171.0	174.7	174.7	178.5	172.9
87.5°	187.9	135.3	103.3	103.3	110.9	127.8	140.9	140.9	140.9	144.7	139.0
90°	133.4	103.3	86.4	84.5	90.2	103.3	112.7	110.9	110.9	112.7	109.0
92.5°	97.7	84.5	73.3	71.4	75.2	84.5	90.2	88.3	90.2	88.3	86.4
95°	77.0	69.5	63.9	62.0	63.9	69.5	73.3	71.4	71.4	69.5	67.6
97.5°	62.0	58.2	56.4	54.5	54.5	56.4	60.1	58.2	60.1	56.4	54.5
100°	50.7	48.8	48.8	48.8	47.0	48.8	50.7	50.7	50.7	47.0	47.0
102.5°	39.5	41.3	43.2	43.2	41.3	43.2	43.2	43.2	43.2	39.5	39.5
105°	31.9	33.8	37.6	37.6	37.6	37.6	37.6	37.6	37.6	33.8	33.8
107.5°	26.3	28.2	31.9	33.8	31.9	31.9	33.8	33.8	31.9	30.1	30.1
110°	22.5	24.4	26.3	28.2	28.2	28.2	30.1	30.1	28.2	26.3	24.4

REPORT NUMBER: P695344
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2R-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.8	20.7	24.4	24.4	26.3	26.3	26.3	26.3	24.4	22.5	22.5
115°	16.9	18.8	20.7	22.5	22.5	22.5	24.4	22.5	20.7	20.7	20.7
117.5°	15.0	16.9	18.8	20.7	20.7	20.7	20.7	20.7	18.8	18.8	18.8
120°	13.2	15.0	16.9	18.8	18.8	18.8	18.8	18.8	16.9	16.9	16.9
122.5°	13.2	13.2	15.0	16.9	16.9	16.9	16.9	16.9	15.0	15.0	15.0
125°	11.3	13.2	15.0	15.0	15.0	15.0	15.0	15.0	13.2	13.2	15.0
127.5°	11.3	11.3	13.2	13.2	15.0	15.0	13.2	13.2	13.2	13.2	13.2
130°	11.3	11.3	11.3	13.2	13.2	13.2	13.2	11.3	11.3	11.3	11.3
132.5°	9.4	11.3	11.3	11.3	11.3	11.3	11.3	9.4	9.4	11.3	11.3
135°	9.4	9.4	9.4	11.3	11.3	9.4	9.4	9.4	9.4	9.4	9.4
137.5°	9.4	9.4	9.4	9.4	9.4	9.4	7.5	7.5	7.5	9.4	9.4
140°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
142.5°	7.5	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5	7.5	7.5
145°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
147.5°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	5.6	5.6	5.6
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	5.6	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

(END OF REPORT)