

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: P695349

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2U-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695349
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-PA16-50-730-U-T2U-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA 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: 5363 lumens
Efficiency: N/A
Efficacy: 101.0 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: B2 - U3 - G2

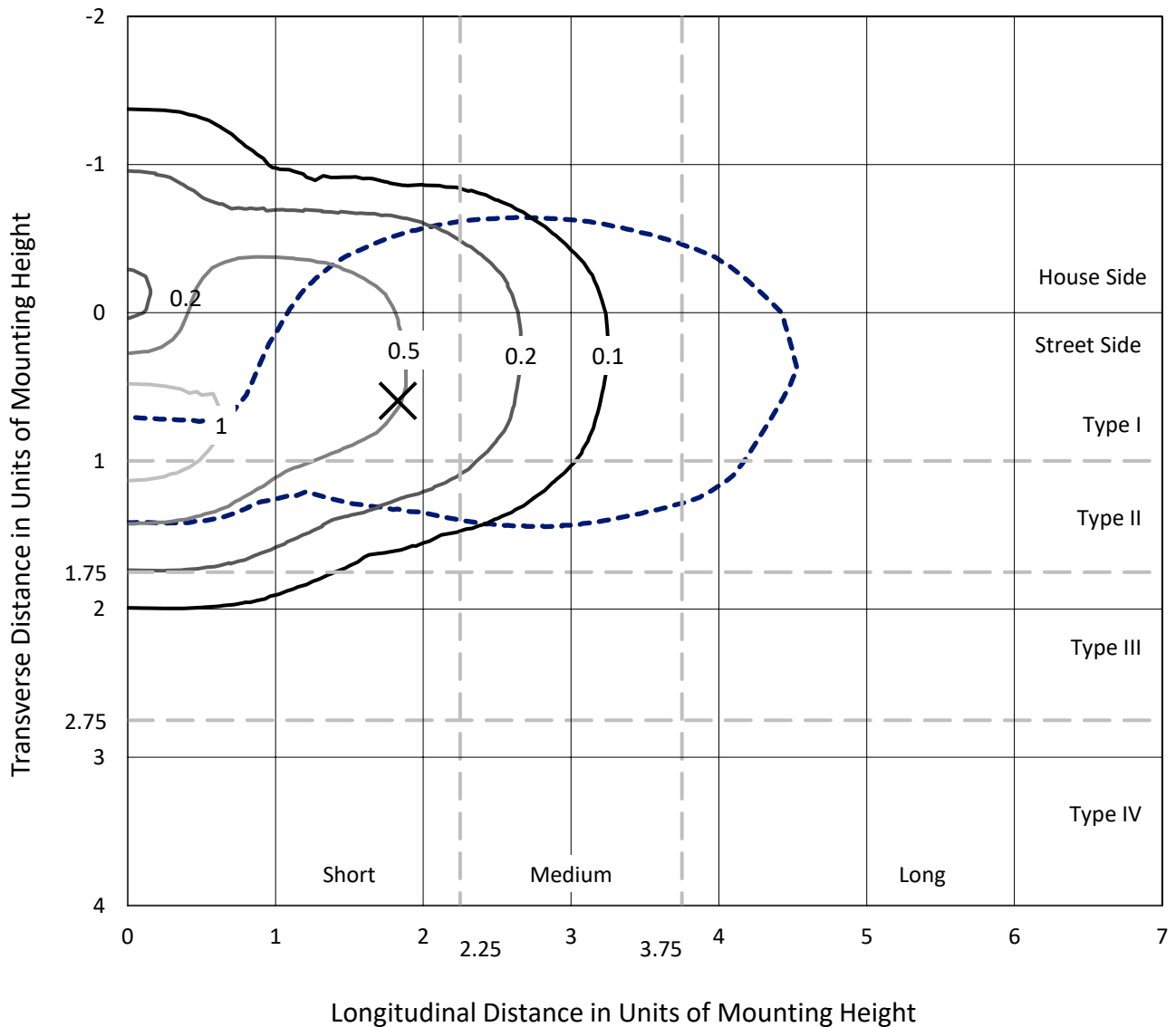
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

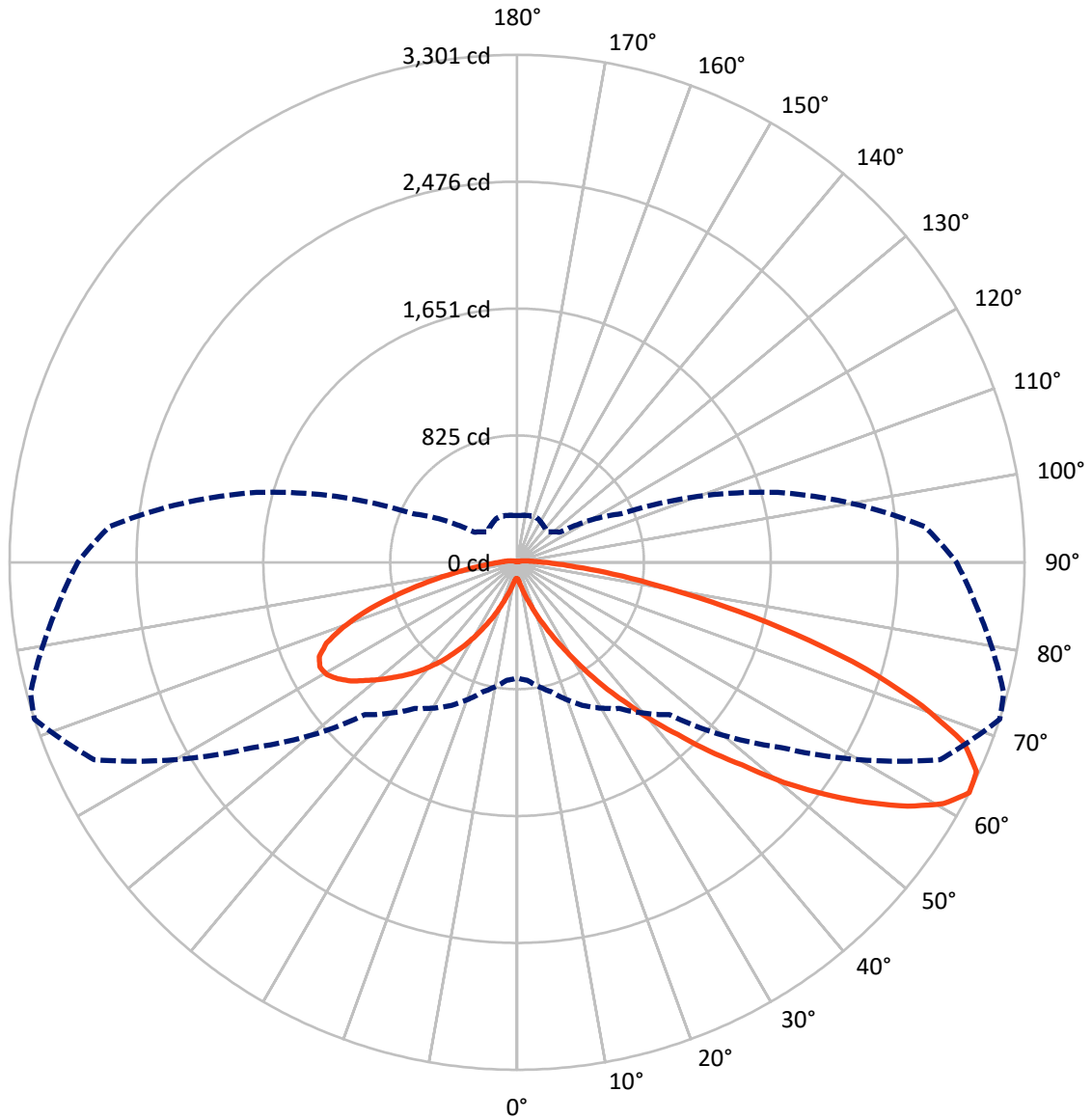
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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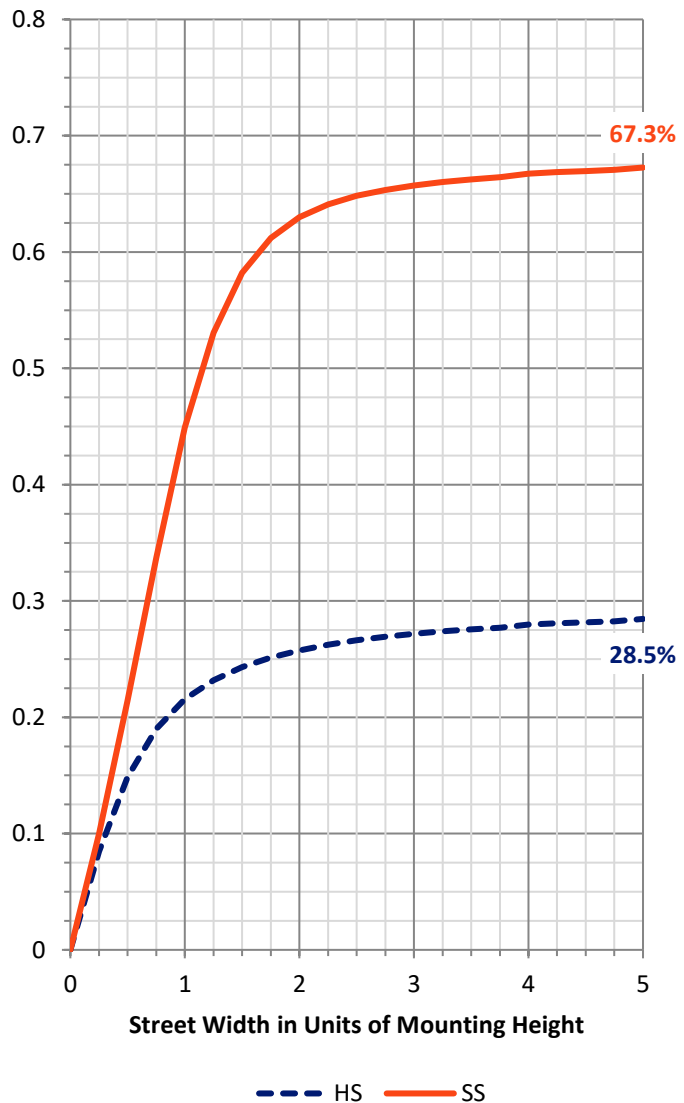
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1572.4	80.0	1652.4
	% Fixture	29.3	1.5	30.8
Street Side	Lumens	3645.7	64.9	3710.6
	% Fixture	68.0	1.2	69.2
Total	Lumens	5218.1	144.9	5363.0
	% Fixture	97.3	2.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.2
10°-20°	67.7	1.3
20°-30°	223.5	4.2
30°-40°	534.0	10.0
40°-50°	949.4	17.7
50°-60°	1255.3	23.4
60°-70°	1206.1	22.5
70°-80°	732.1	13.7
80°-90°	237.5	4.4
90°-100°	73.0	1.4
100°-110°	34.1	0.6
110°-120°	17.7	0.3
120°-130°	10.5	0.2
130°-140°	6.3	0.1
140°-150°	3.1	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5218.1	97.3
0°-180°	5363.0	100.0

Coefficient of Utilization

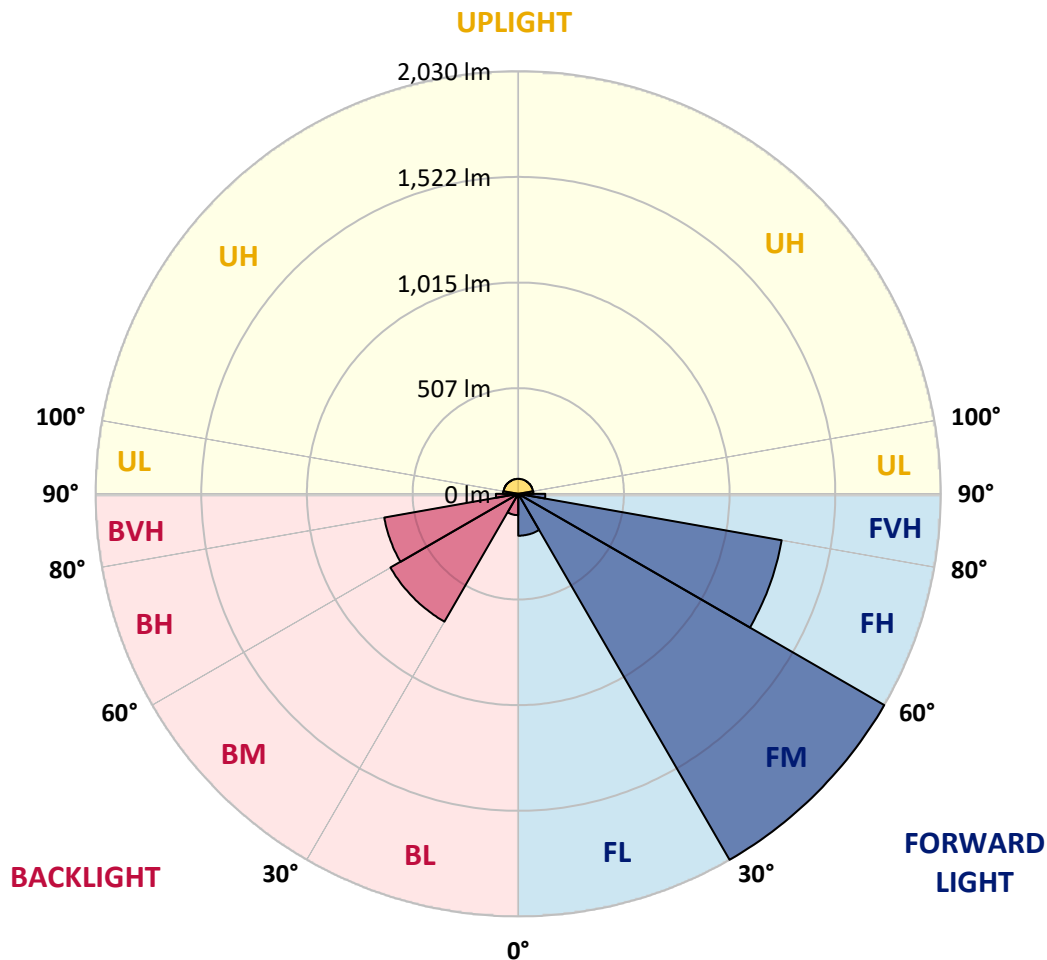


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	201.1	3.8			
FM (30°-60°)	2029.8	37.8			
FH (60°-80°)	1284.8	24.0			G1/1800
FVH (80°-90°)	130.0	2.4			G2/225
BL (0°-30°)	102.6	1.9	B0/110		
BM (30°-60°)	708.9	13.2	B1/1000		
BH (60°-80°)	653.4	12.2	B2/1000		G2/1000
BVH (80°-90°)	107.6	2.0			G2/225
UL (90°-100°)	73.0	1.4		U3/500	
UH (100°-180°)	71.9	1.3		U3/500	

BUG Rating: B2-U3-G2
 Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1
2.5°	118.4	120.3	118.4	120.3	118.4	116.5	116.5	112.7	112.7	110.9	109.0
5°	140.9	142.8	142.8	140.9	137.2	135.3	129.6	127.8	124.0	122.1	118.4
7.5°	172.9	171.0	172.9	167.2	165.3	161.6	154.1	148.4	142.8	140.9	135.3
10°	214.2	212.3	210.4	206.7	201.0	193.5	186.0	174.7	171.0	169.1	159.7
12.5°	263.1	266.8	261.2	255.5	246.1	236.7	223.6	210.4	204.8	202.9	187.9
15°	334.5	334.5	326.9	317.5	298.8	283.7	270.6	257.4	248.0	244.3	231.1
17.5°	424.6	419.0	409.6	387.1	370.2	345.7	330.7	310.0	300.6	298.8	281.8
20°	524.2	528.0	507.3	479.1	447.2	417.1	394.6	373.9	364.5	362.6	342.0
22.5°	655.8	655.8	627.6	590.0	537.4	496.0	469.7	449.1	435.9	428.4	415.3
25°	808.0	808.0	776.0	702.7	646.4	590.0	552.4	529.9	524.2	516.7	497.9
27.5°	990.2	995.9	935.7	862.4	759.1	691.5	646.4	633.2	621.9	625.7	588.1
30°	1200.7	1191.3	1127.4	1014.6	896.3	808.0	762.9	744.1	736.6	738.4	704.6
32.5°	1401.7	1386.7	1328.4	1198.8	1040.9	941.4	890.6	875.6	870.0	862.4	821.1
35°	1634.7	1621.5	1538.9	1381.0	1206.3	1076.6	1016.5	1016.5	1016.5	1007.1	947.0
37.5°	1860.2	1835.8	1745.6	1572.7	1369.8	1223.2	1172.5	1180.0	1168.7	1155.6	1087.9
40°	2040.6	2023.6	1937.2	1760.6	1537.0	1382.9	1334.1	1345.3	1351.0	1332.2	1238.2
42.5°	2168.3	2160.8	2091.3	1925.9	1687.3	1540.8	1522.0	1535.1	1531.4	1510.7	1407.3
45°	2230.3	2222.8	2177.7	2042.4	1833.9	1696.7	1698.6	1756.8	1747.4	1724.9	1576.5
47.5°	2196.5	2205.9	2189.0	2104.4	1925.9	1828.2	1880.8	1984.2	1971.0	1950.4	1768.1
50°	2095.0	2091.3	2117.6	2087.5	1961.6	1916.5	2059.3	2247.2	2251.0	2196.5	1987.9
52.5°	1882.7	1892.1	1967.3	1984.2	1931.6	1950.4	2209.7	2500.9	2508.4	2442.7	2198.4
55°	1630.9	1629.1	1726.8	1813.2	1817.0	1912.8	2296.1	2718.9	2756.4	2707.6	2423.9
57.5°	1296.5	1330.3	1431.8	1568.9	1636.6	1798.2	2326.2	2914.3	2993.2	2925.6	2626.8
60°	1003.4	1029.7	1151.8	1300.2	1409.2	1623.4	2251.0	3021.4	3188.6	3141.6	2844.8
62.5°	753.5	770.4	873.7	1029.7	1161.2	1401.7	2100.7	3036.4	3301.3	3276.9	2989.4
65°	554.3	563.7	663.3	798.6	928.2	1136.8	1830.1	2908.6	3284.4	3301.3	3089.0
67.5°	402.1	417.1	490.4	610.7	721.5	911.3	1535.1	2634.3	3136.0	3184.8	3053.3
70°	317.5	325.1	375.8	469.7	550.5	695.2	1238.2	2256.6	2794.0	2904.9	2874.8
72.5°	255.5	259.3	298.8	370.2	422.8	528.0	935.7	1824.5	2376.9	2504.7	2574.2
75°	210.4	214.2	246.1	295.0	336.3	394.6	685.8	1381.0	1867.7	2006.7	2157.1
77.5°	167.2	174.7	199.2	236.7	266.8	300.6	481.0	997.7	1381.0	1490.0	1664.8
80°	133.4	137.2	159.7	189.8	212.3	236.7	353.2	661.4	933.8	1069.1	1200.7
82.5°	101.5	105.2	122.1	146.6	165.3	182.3	251.8	435.9	627.6	695.2	768.5
85°	73.3	73.3	90.2	110.9	127.8	144.7	184.1	283.7	383.3	422.8	473.5
87.5°	48.9	50.7	62.0	80.8	99.6	112.7	135.3	186.0	244.3	257.4	291.2
90°	33.8	35.7	43.2	58.2	75.2	88.3	101.5	127.8	154.1	167.2	191.7
92.5°	24.4	26.3	33.8	43.2	58.2	71.4	80.8	92.1	109.0	118.4	131.5
95°	18.8	20.7	26.3	35.7	47.0	58.2	65.8	71.4	82.7	88.3	97.7
97.5°	16.9	16.9	22.5	30.1	39.5	48.9	54.5	58.2	65.8	69.5	77.0
100°	15.0	15.0	18.8	26.3	33.8	41.3	45.1	47.0	52.6	54.5	60.1
102.5°	13.2	13.2	16.9	22.5	30.1	35.7	39.5	39.5	43.2	43.2	47.0
105°	11.3	11.3	15.0	20.7	26.3	31.9	33.8	33.8	33.8	35.7	35.7
107.5°	11.3	11.3	13.2	18.8	22.5	28.2	30.1	28.2	28.2	28.2	28.2
110°	9.4	9.4	13.2	16.9	20.7	24.4	24.4	24.4	22.5	22.5	22.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	9.4	9.4	11.3	15.0	18.8	20.7	22.5	20.7	18.8	18.8	18.8
115°	9.4	9.4	11.3	13.2	16.9	18.8	18.8	16.9	15.0	15.0	15.0
117.5°	7.5	9.4	9.4	13.2	15.0	16.9	16.9	15.0	13.2	13.2	13.2
120°	7.5	7.5	9.4	11.3	13.2	15.0	15.0	13.2	11.3	11.3	13.2
122.5°	7.5	7.5	9.4	11.3	13.2	13.2	13.2	11.3	11.3	11.3	11.3
125°	7.5	7.5	7.5	9.4	11.3	13.2	11.3	11.3	9.4	9.4	11.3
127.5°	7.5	7.5	7.5	9.4	11.3	11.3	11.3	9.4	9.4	9.4	9.4
130°	7.5	7.5	7.5	7.5	9.4	9.4	9.4	9.4	7.5	7.5	9.4
132.5°	7.5	7.5	7.5	7.5	9.4	9.4	9.4	7.5	7.5	7.5	7.5
135°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	5.6	7.5	7.5
137.5°	7.5	7.5	5.6	7.5	7.5	7.5	7.5	5.6	5.6	5.6	7.5
140°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	3.8	3.8	5.6	5.6
145°	5.6	5.6	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8
147.5°	5.6	5.6	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
150°	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	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°	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1	107.1
2.5°	109.0	107.1	105.2	103.3	103.3	101.5	101.5	99.6	99.6	99.6	99.6
5°	116.5	114.6	110.9	107.1	103.3	101.5	97.7	95.8	95.8	93.9	93.9
7.5°	133.4	127.8	122.1	116.5	110.9	105.2	101.5	97.7	95.8	95.8	95.8
10°	154.1	150.3	139.0	131.5	124.0	116.5	110.9	105.2	101.5	101.5	99.6
12.5°	186.0	180.4	165.3	156.0	142.8	131.5	124.0	116.5	112.7	110.9	110.9
15°	223.6	216.1	202.9	184.1	167.2	152.2	140.9	135.3	131.5	129.6	129.6
17.5°	274.3	263.1	242.4	219.8	197.3	176.6	165.3	156.0	150.3	152.2	152.2
20°	334.5	321.3	293.1	263.1	231.1	208.6	189.8	180.4	176.6	176.6	176.6
22.5°	400.2	385.2	355.1	313.8	272.5	240.5	216.1	204.8	204.8	204.8	204.8
25°	486.7	460.3	422.8	368.3	313.8	268.7	242.4	233.0	233.0	234.9	236.7
27.5°	569.3	552.4	496.0	426.5	357.0	298.8	264.9	255.5	261.2	264.9	266.8
30°	674.5	644.5	576.8	486.7	396.5	323.2	285.6	278.1	287.5	293.1	295.0
32.5°	791.0	749.7	663.3	552.4	432.2	342.0	300.6	296.9	306.3	315.7	315.7
35°	909.4	860.6	751.6	616.3	460.3	353.2	310.0	310.0	321.3	330.7	330.7
37.5°	1039.1	973.3	847.4	670.8	482.9	358.9	315.7	317.5	330.7	336.3	338.2
40°	1176.2	1101.1	937.6	721.5	494.2	357.0	317.5	323.2	332.6	338.2	338.2
42.5°	1319.0	1234.5	1035.3	759.1	496.0	353.2	315.7	323.2	332.6	334.5	334.5
45°	1480.6	1381.0	1129.3	787.3	488.5	345.7	313.8	323.2	328.8	326.9	326.9
47.5°	1659.1	1537.0	1219.4	809.8	473.5	336.3	311.9	323.2	325.1	321.3	319.4
50°	1860.2	1709.9	1324.7	819.2	456.6	326.9	310.0	321.3	321.3	313.8	313.8
52.5°	2068.7	1909.0	1431.8	821.1	435.9	317.5	310.0	321.3	319.4	308.2	308.2
55°	2260.4	2104.4	1546.4	819.2	413.4	306.3	306.3	321.3	317.5	306.3	306.3
57.5°	2506.5	2313.0	1642.2	804.2	388.9	298.8	304.4	321.3	315.7	304.4	304.4
60°	2690.7	2504.7	1717.4	783.5	366.4	287.5	300.6	319.4	313.8	304.4	304.4
62.5°	2857.9	2662.5	1755.0	747.8	340.1	278.1	295.0	315.7	313.8	306.3	304.4
65°	2942.5	2730.1	1739.9	693.3	315.7	266.8	289.4	311.9	310.0	304.4	304.4
67.5°	2921.8	2703.8	1655.4	623.8	291.2	255.5	280.0	300.6	302.5	300.6	300.6
70°	2769.6	2529.1	1495.7	537.4	268.7	240.5	268.7	289.4	291.2	291.2	293.1
72.5°	2472.7	2234.1	1289.0	456.6	244.3	225.5	251.8	272.5	276.2	278.1	276.2
75°	2078.1	1835.8	1031.6	377.7	221.7	208.6	233.0	251.8	257.4	257.4	257.4
77.5°	1599.0	1403.6	777.9	302.5	199.2	189.8	212.3	229.2	233.0	234.9	233.0
80°	1134.9	990.2	548.7	244.3	176.6	171.0	187.9	201.0	204.8	208.6	206.7
82.5°	740.3	661.4	385.2	193.5	152.2	148.4	163.5	172.9	176.6	176.6	174.7
85°	449.1	411.5	253.7	154.1	129.6	125.9	137.2	142.8	144.7	144.7	144.7
87.5°	280.0	253.7	178.5	124.0	109.0	107.1	112.7	114.6	120.3	118.4	116.5
90°	180.4	169.1	131.5	97.7	88.3	88.3	92.1	92.1	95.8	95.8	92.1
92.5°	129.6	124.0	101.5	80.8	73.3	75.2	77.0	75.2	77.0	77.0	77.0
95°	99.6	95.8	84.6	69.5	62.0	63.9	62.0	62.0	63.9	63.9	62.0
97.5°	78.9	78.9	69.5	58.2	54.5	52.6	54.5	52.6	54.5	52.6	50.7
100°	62.0	62.0	58.2	50.7	47.0	45.1	47.0	45.1	47.0	45.1	43.2
102.5°	48.9	50.7	48.9	43.2	41.3	39.5	39.5	39.5	39.5	37.6	37.6
105°	37.6	39.5	41.3	37.6	35.7	33.8	33.8	33.8	33.8	31.9	30.1
107.5°	30.1	31.9	33.8	31.9	31.9	30.1	30.1	30.1	28.2	26.3	26.3
110°	24.4	26.3	28.2	28.2	26.3	26.3	26.3	26.3	24.4	22.5	22.5

REPORT NUMBER: P695349
 CATALOG NUMBER: LXF.LXT-PA16-50-730-U-T2U-TL

CANDELA DISTRIBUTION (continued):

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