

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: P695878

Luminaire Tested: **LXF.LXT-PA16-730-U-SL3-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-29)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-SL3-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6097 lumens
Efficiency: N/A
Efficacy: 84.7 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 - G3

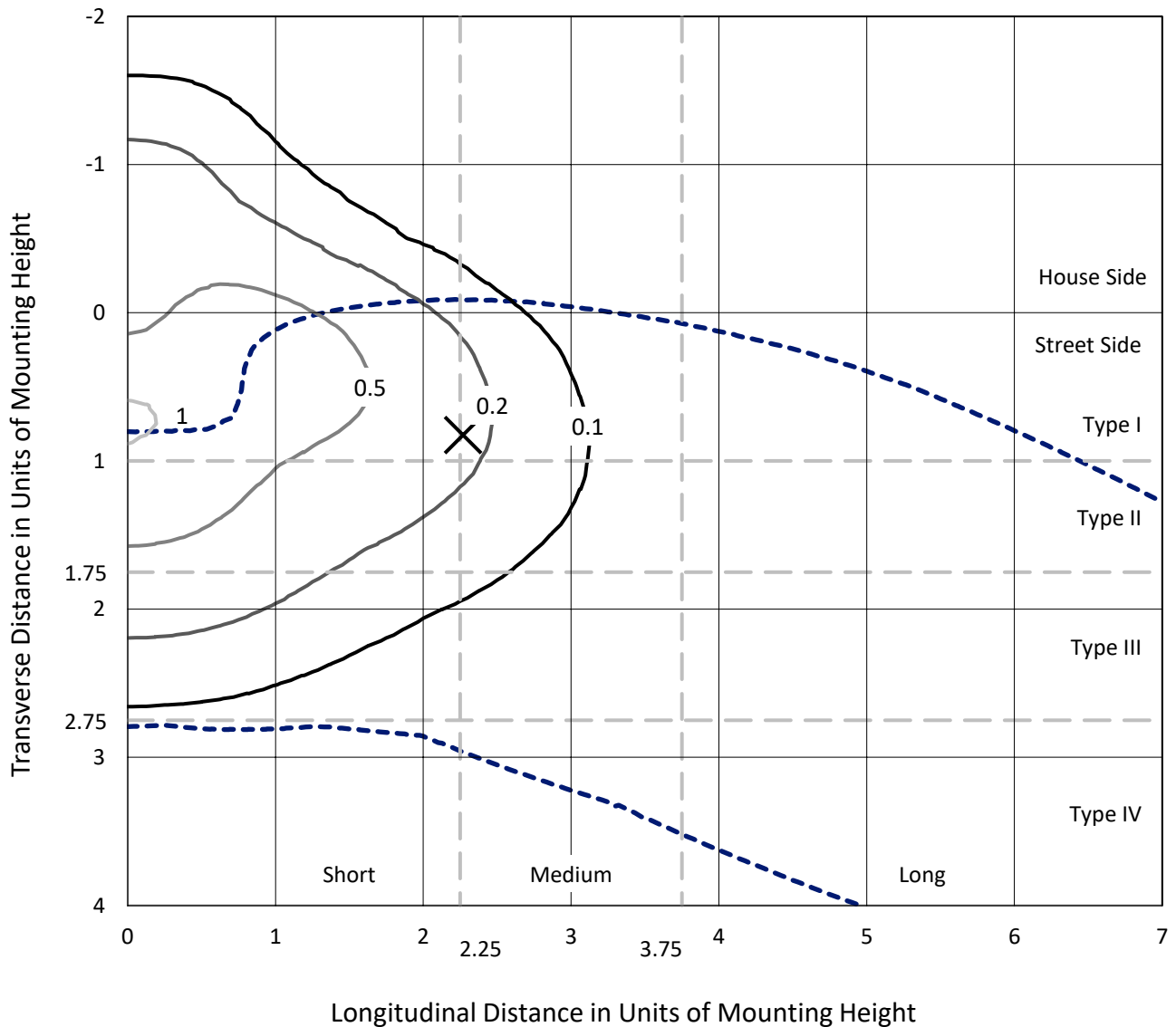
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

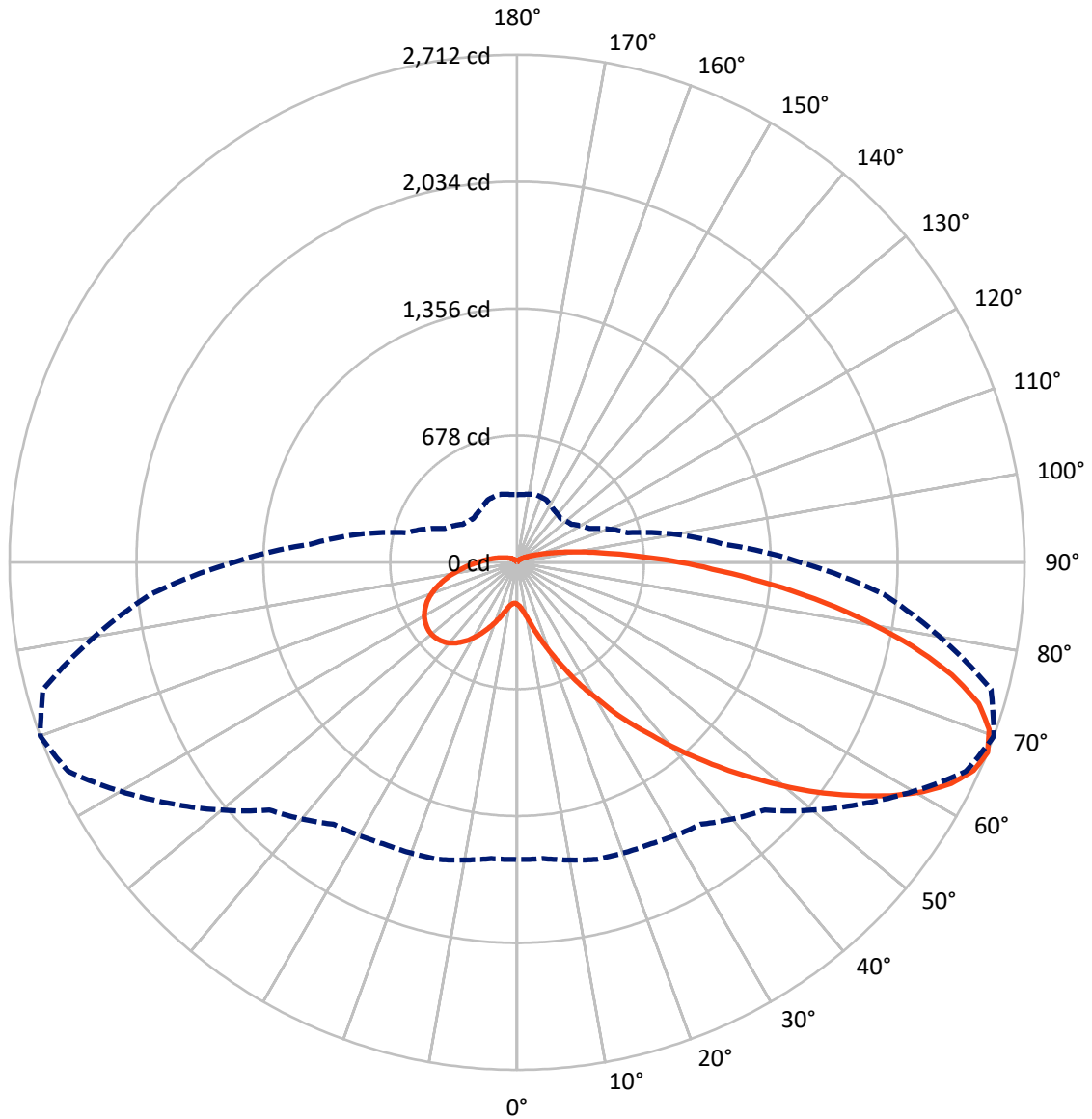
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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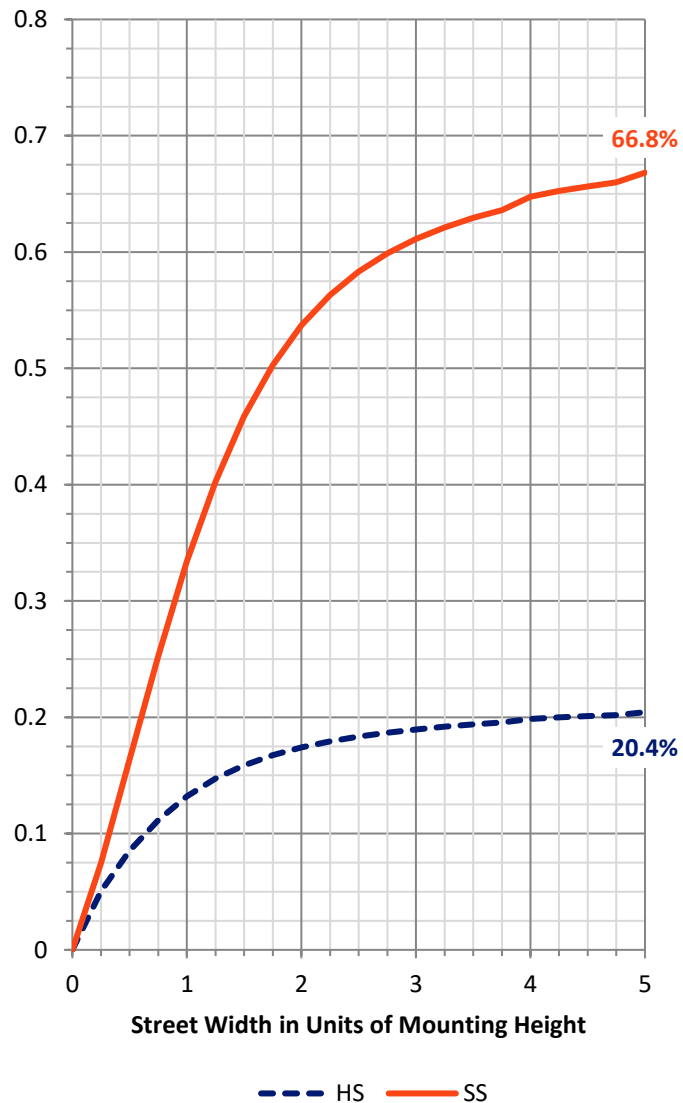
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1314.4	178.9	1493.3
	% Fixture	21.6	2.9	24.5
Street Side	Lumens	4268.6	335.0	4603.7
	% Fixture	70.0	5.5	75.5
Total	Lumens	5583.0	514.0	6097.0
	% Fixture	91.6	8.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	0.4
10°-20°	96.5	1.6
20°-30°	243.2	4.0
30°-40°	476.4	7.8
40°-50°	775.7	12.7
50°-60°	1086.8	17.8
60°-70°	1246.7	20.4
70°-80°	1037.6	17.0
80°-90°	596.7	9.8
90°-100°	273.7	4.5
100°-110°	125.3	2.1
110°-120°	61.6	1.0
120°-130°	31.8	0.5
130°-140°	15.5	0.3
140°-150°	5.7	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5583.0	91.6
0°-180°	6097.0	100.0

Coefficient of Utilization

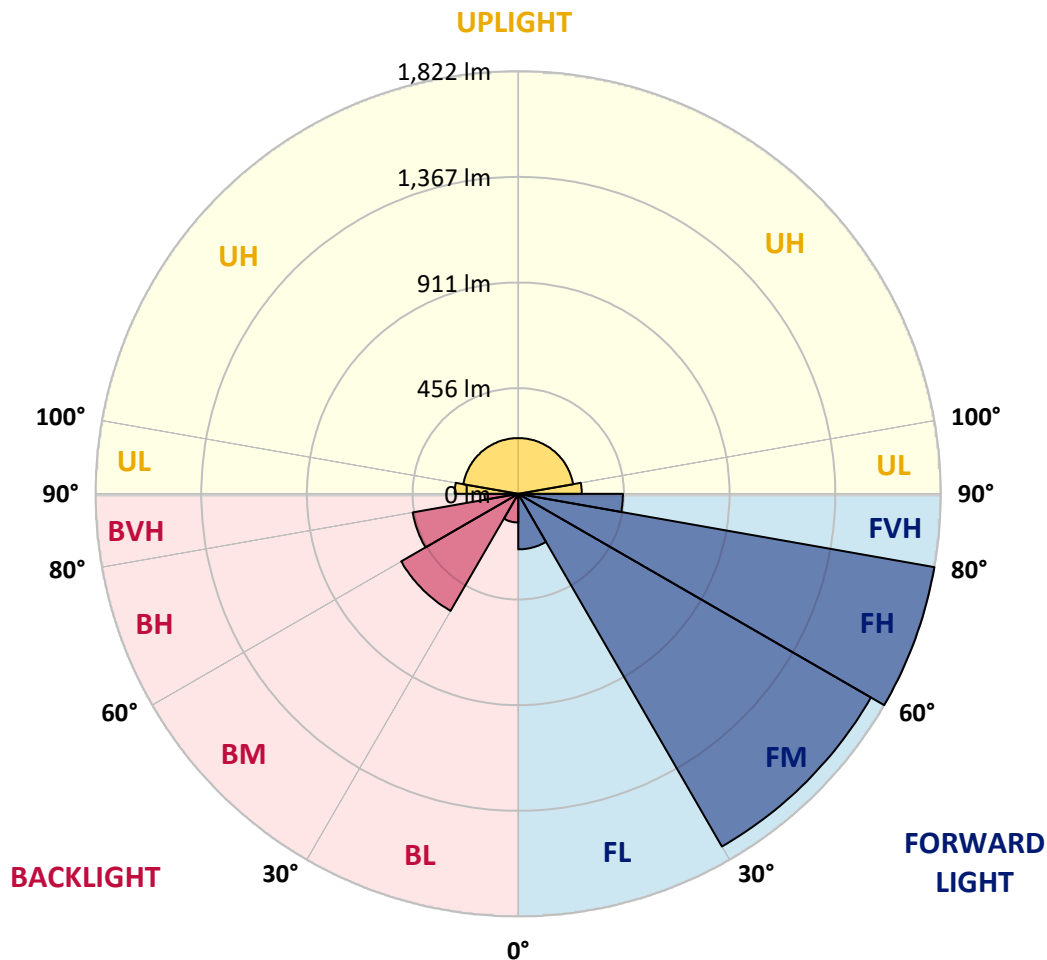


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.4	3.9			
FM (30°-60°)	1756.0	28.8			
FH (60°-80°)	1822.1	29.9			G2/5000
FVH (80°-90°)	451.1	7.4			G3/500
BL (0°-30°)	123.7	2.0	B1/500		
BM (30°-60°)	582.9	9.6	B1/1000		
BH (60°-80°)	462.1	7.6	B1/500		G1/500
BVH (80°-90°)	145.6	2.4			G2/225
UL (90°-100°)	273.7	4.5		U3/500	
UH (100°-180°)	240.2	3.9		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
2.5°	245.5	245.5	245.5	243.1	243.1	238.4	238.4	233.7	233.7	231.3	226.6
5°	276.1	276.1	273.8	273.8	269.1	264.3	259.6	252.5	247.8	245.5	238.4
7.5°	311.5	311.5	309.2	304.5	302.1	295.0	285.6	276.1	271.4	266.7	254.9
10°	354.0	354.0	349.3	346.9	342.2	332.8	323.3	309.2	302.1	295.0	278.5
12.5°	403.6	398.9	398.9	391.8	384.7	377.6	365.8	349.3	342.2	332.8	311.5
15°	455.5	455.5	455.5	448.4	439.0	427.2	417.7	401.2	396.5	382.3	358.7
17.5°	516.9	521.6	514.5	505.1	500.4	488.6	476.8	465.0	453.2	439.0	408.3
20°	592.4	590.0	583.0	573.5	566.4	554.6	547.6	526.3	516.9	502.7	457.9
22.5°	665.6	667.9	660.8	646.7	637.2	630.2	618.4	601.8	587.7	571.2	521.6
25°	762.3	760.0	743.5	722.2	712.8	703.3	696.2	679.7	670.3	656.1	592.4
27.5°	859.1	849.7	837.9	819.0	795.4	778.9	774.1	767.1	760.0	736.4	665.6
30°	960.6	951.1	937.0	906.3	873.3	854.4	854.4	863.8	847.3	828.4	748.2
32.5°	1069.2	1057.4	1038.5	1000.7	955.9	934.6	944.1	960.6	958.2	929.9	830.8
35°	1177.7	1175.4	1147.0	1099.8	1043.2	1017.2	1031.4	1064.4	1064.4	1043.2	920.5
37.5°	1283.9	1286.3	1260.3	1201.3	1128.2	1099.8	1121.1	1175.4	1175.4	1158.8	1007.8
40°	1418.5	1413.7	1366.5	1298.1	1217.8	1182.4	1224.9	1295.7	1307.5	1276.9	1104.6
42.5°	1534.1	1524.7	1486.9	1401.9	1305.2	1262.7	1321.7	1418.5	1442.1	1406.7	1203.7
45°	1652.1	1640.3	1595.5	1501.1	1392.5	1342.9	1425.5	1555.3	1586.0	1553.0	1307.5
47.5°	1763.0	1751.2	1711.1	1597.8	1484.5	1439.7	1531.7	1694.6	1732.4	1704.0	1409.0
50°	1864.5	1862.2	1812.6	1694.6	1564.8	1522.3	1642.7	1840.9	1890.5	1848.0	1512.9
52.5°	1951.9	1942.4	1895.2	1781.9	1645.0	1612.0	1756.0	1994.3	2048.6	2006.1	1616.7
55°	2006.1	2001.4	1958.9	1848.0	1718.2	1694.6	1869.3	2133.6	2199.7	2161.9	1713.5
57.5°	2032.1	2025.0	1989.6	1890.5	1772.5	1770.1	1973.1	2277.6	2353.1	2303.5	1812.6
60°	2006.1	2001.4	1977.8	1902.3	1807.9	1829.1	2081.7	2409.7	2490.0	2435.7	1890.5
62.5°	1918.8	1918.8	1916.5	1871.6	1815.0	1878.7	2166.6	2523.0	2603.3	2537.2	1947.1
65°	1781.9	1789.0	1803.2	1793.7	1784.3	1895.2	2223.3	2608.0	2681.1	2603.3	1977.8
67.5°	1588.4	1588.4	1642.7	1663.9	1708.8	1871.6	2249.2	2645.7	2711.8	2622.1	1966.0
70°	1373.6	1373.6	1435.0	1496.3	1595.5	1810.2	2220.9	2624.5	2676.4	2577.3	1914.1
72.5°	1149.4	1151.8	1224.9	1309.9	1446.8	1704.0	2145.4	2532.5	2579.7	2461.7	1810.2
75°	929.9	948.8	1010.2	1121.1	1279.2	1562.4	2003.8	2372.0	2400.3	2287.0	1663.9
77.5°	736.4	760.0	833.1	941.7	1106.9	1383.1	1812.6	2157.2	2161.9	2053.3	1486.9
80°	583.0	599.5	675.0	776.5	937.0	1201.3	1586.0	1890.5	1885.8	1779.6	1274.5
82.5°	460.2	472.0	531.0	630.2	783.6	1029.0	1361.8	1586.0	1602.6	1498.7	1069.2
85°	354.0	368.2	422.5	509.8	646.7	856.7	1125.8	1300.5	1307.5	1215.5	880.3
87.5°	271.4	285.6	335.1	417.7	533.4	703.3	918.1	1055.0	1043.2	970.0	696.2
90°	210.1	217.1	266.7	335.1	436.6	580.6	738.7	828.4	828.4	757.6	557.0
92.5°	167.6	169.9	214.8	276.1	361.1	472.0	594.8	651.4	634.9	594.8	439.0
95°	132.2	136.9	172.3	226.6	297.4	387.1	469.7	509.8	495.6	457.9	344.6
97.5°	106.2	110.9	141.6	188.8	247.8	316.3	377.6	396.5	389.4	363.5	273.8
100°	87.3	89.7	115.6	160.5	207.7	262.0	302.1	313.9	299.7	283.2	214.8
102.5°	73.2	75.5	99.1	134.5	177.0	214.8	245.5	250.2	238.4	219.5	172.3
105°	61.4	63.7	82.6	115.6	148.7	181.7	200.6	198.3	186.5	172.3	139.2
107.5°	54.3	54.3	70.8	99.1	129.8	151.1	165.2	160.5	148.7	134.5	113.3
110°	47.2	47.2	59.0	85.0	110.9	129.8	136.9	129.8	118.0	108.6	92.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	42.5	42.5	51.9	73.2	94.4	110.9	113.3	103.8	96.8	89.7	75.5
115°	37.8	40.1	44.8	61.4	80.2	94.4	94.4	87.3	80.2	73.2	66.1
117.5°	35.4	35.4	40.1	54.3	70.8	80.2	80.2	73.2	66.1	61.4	56.6
120°	33.0	33.0	37.8	47.2	61.4	68.4	68.4	61.4	56.6	51.9	49.6
122.5°	30.7	30.7	33.0	40.1	51.9	59.0	59.0	51.9	47.2	44.8	42.5
125°	28.3	28.3	30.7	35.4	44.8	49.6	49.6	42.5	40.1	37.8	37.8
127.5°	26.0	26.0	28.3	30.7	37.8	42.5	40.1	35.4	33.0	33.0	33.0
130°	23.6	23.6	26.0	28.3	33.0	35.4	33.0	30.7	28.3	28.3	28.3
132.5°	23.6	23.6	23.6	23.6	26.0	28.3	28.3	26.0	23.6	26.0	26.0
135°	21.2	21.2	21.2	21.2	21.2	23.6	21.2	21.2	21.2	21.2	21.2
137.5°	18.9	18.9	18.9	18.9	18.9	18.9	16.5	16.5	16.5	18.9	18.9
140°	16.5	16.5	16.5	14.2	14.2	14.2	14.2	14.2	14.2	14.2	16.5
142.5°	14.2	14.2	14.2	11.8	11.8	9.4	9.4	9.4	11.8	11.8	14.2
145°	11.8	11.8	11.8	9.4	7.1	7.1	7.1	7.1	9.4	9.4	9.4
147.5°	9.4	9.4	9.4	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1
150°	7.1	7.1	7.1	4.7	4.7	2.4	2.4	4.7	4.7	4.7	4.7
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2	224.2
2.5°	226.6	224.2	221.9	217.1	214.8	214.8	214.8	212.4	212.4	210.1	210.1
5°	233.7	231.3	221.9	214.8	210.1	205.3	200.6	198.3	195.9	193.5	193.5
7.5°	247.8	243.1	231.3	219.5	210.1	200.6	193.5	188.8	186.5	184.1	184.1
10°	269.1	262.0	243.1	226.6	212.4	200.6	191.2	186.5	181.7	179.4	179.4
12.5°	299.7	290.3	264.3	240.7	221.9	205.3	195.9	188.8	184.1	181.7	181.7
15°	342.2	325.7	292.7	262.0	236.0	214.8	203.0	198.3	195.9	195.9	195.9
17.5°	387.1	363.5	325.7	285.6	254.9	231.3	219.5	214.8	212.4	212.4	212.4
20°	436.6	410.7	358.7	311.5	273.8	252.5	238.4	233.7	231.3	231.3	231.3
22.5°	490.9	462.6	394.1	335.1	297.4	273.8	259.6	252.5	254.9	254.9	254.9
25°	552.3	512.2	431.9	363.5	318.6	295.0	280.9	273.8	278.5	280.9	280.9
27.5°	620.7	566.4	467.3	389.4	342.2	313.9	302.1	297.4	304.5	306.8	309.2
30°	686.8	625.4	502.7	417.7	361.1	332.8	321.0	323.3	328.1	332.8	337.5
32.5°	760.0	679.7	540.5	441.4	380.0	346.9	339.9	346.9	356.4	361.1	363.5
35°	830.8	736.4	568.8	462.6	394.1	361.1	356.4	368.2	380.0	389.4	389.4
37.5°	901.6	788.3	599.5	479.1	405.9	370.5	370.5	387.1	401.2	413.0	413.0
40°	974.7	844.9	625.4	493.3	415.4	380.0	382.3	403.6	422.5	429.6	431.9
42.5°	1050.3	892.1	646.7	502.7	420.1	387.1	391.8	417.7	436.6	443.7	446.1
45°	1123.4	941.7	663.2	507.4	424.8	389.4	396.5	427.2	446.1	453.2	453.2
47.5°	1191.9	984.2	675.0	509.8	424.8	389.4	401.2	431.9	453.2	455.5	455.5
50°	1265.0	1026.7	684.4	509.8	422.5	389.4	401.2	434.3	453.2	453.2	453.2
52.5°	1335.9	1064.4	689.2	505.1	417.7	387.1	398.9	431.9	450.8	446.1	446.1
55°	1401.9	1095.1	686.8	498.0	410.7	380.0	394.1	427.2	443.7	436.6	436.6
57.5°	1456.2	1121.1	682.1	488.6	403.6	372.9	387.1	420.1	434.3	424.8	422.5
60°	1503.4	1137.6	672.6	476.8	391.8	363.5	380.0	410.7	422.5	410.7	408.3
62.5°	1529.4	1144.7	658.5	460.2	382.3	354.0	368.2	398.9	408.3	394.1	394.1
65°	1538.8	1135.2	637.2	443.7	368.2	344.6	356.4	384.7	391.8	380.0	377.6
67.5°	1515.2	1109.3	611.3	427.2	354.0	330.4	342.2	368.2	375.3	363.5	361.1
70°	1465.7	1059.7	578.2	403.6	337.5	316.3	325.7	346.9	356.4	346.9	344.6
72.5°	1373.6	998.4	540.5	380.0	318.6	299.7	309.2	328.1	337.5	328.1	325.7
75°	1265.0	918.1	498.0	354.0	299.7	283.2	290.3	304.5	313.9	309.2	304.5
77.5°	1121.1	821.3	453.2	328.1	280.9	264.3	269.1	283.2	290.3	285.6	285.6
80°	970.0	715.1	408.3	299.7	262.0	247.8	247.8	259.6	266.7	264.3	259.6
82.5°	823.7	611.3	361.1	271.4	238.4	226.6	228.9	233.7	243.1	238.4	236.0
85°	677.4	519.2	316.3	245.5	217.1	207.7	207.7	210.1	217.1	214.8	212.4
87.5°	554.6	427.2	276.1	217.1	195.9	188.8	184.1	188.8	188.8	188.8	184.1
90°	450.8	354.0	238.4	193.5	179.4	169.9	165.2	165.2	165.2	162.9	160.5
92.5°	358.7	292.7	207.7	172.3	160.5	153.4	148.7	146.3	144.0	139.2	139.2
95°	295.0	240.7	179.4	151.1	144.0	136.9	132.2	129.8	125.1	120.4	118.0
97.5°	233.7	200.6	153.4	134.5	127.4	122.7	118.0	113.3	106.2	101.5	99.1
100°	186.5	162.9	132.2	118.0	113.3	108.6	103.8	99.1	92.0	85.0	82.6
102.5°	153.4	136.9	113.3	106.2	101.5	96.8	94.4	87.3	77.9	70.8	70.8
105°	125.1	113.3	99.1	92.0	89.7	87.3	82.6	75.5	66.1	59.0	59.0
107.5°	103.8	96.8	85.0	82.6	80.2	77.9	73.2	66.1	56.6	49.6	49.6
110°	87.3	80.2	73.2	70.8	70.8	68.4	66.1	56.6	49.6	42.5	42.5

REPORT NUMBER: P695878
 CATALOG NUMBER: LXF.LXT-PA16-730-U-SL3-FL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	73.2	68.4	66.1	63.7	63.7	61.4	59.0	49.6	42.5	37.8	37.8
115°	61.4	59.0	56.6	56.6	56.6	54.3	51.9	44.8	35.4	33.0	33.0
117.5°	54.3	51.9	49.6	49.6	49.6	49.6	44.8	37.8	30.7	28.3	28.3
120°	47.2	47.2	44.8	44.8	44.8	42.5	40.1	33.0	26.0	26.0	26.0
122.5°	42.5	40.1	40.1	40.1	40.1	37.8	33.0	28.3	23.6	23.6	23.6
125°	37.8	35.4	35.4	35.4	35.4	33.0	28.3	23.6	21.2	21.2	21.2
127.5°	33.0	33.0	30.7	30.7	30.7	28.3	26.0	21.2	18.9	18.9	18.9
130°	28.3	28.3	28.3	28.3	26.0	23.6	21.2	18.9	16.5	16.5	16.5
132.5°	26.0	26.0	23.6	23.6	23.6	21.2	18.9	16.5	14.2	16.5	16.5
135°	21.2	21.2	21.2	21.2	18.9	16.5	16.5	14.2	14.2	14.2	14.2
137.5°	18.9	18.9	18.9	16.5	16.5	14.2	14.2	11.8	11.8	11.8	14.2
140°	16.5	16.5	14.2	14.2	11.8	11.8	11.8	9.4	11.8	11.8	11.8
142.5°	14.2	14.2	11.8	11.8	9.4	9.4	9.4	9.4	9.4	9.4	9.4
145°	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	9.4	9.4	9.4
147.5°	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	7.1	7.1	7.1
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)