

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: P695894

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-20)
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-T3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6481 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G3

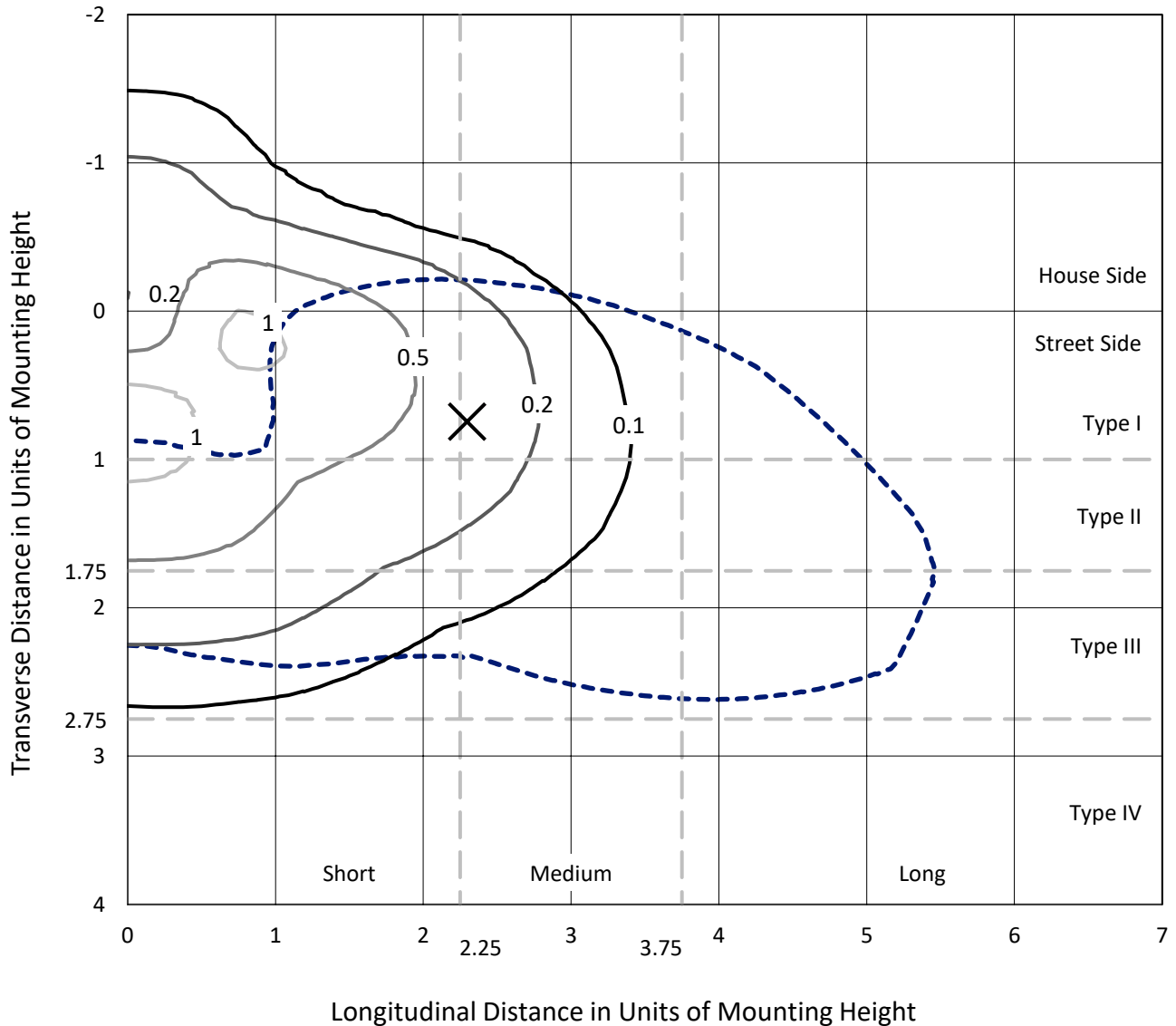
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

Iso-Footcandle Lines of Horizontal Illumination

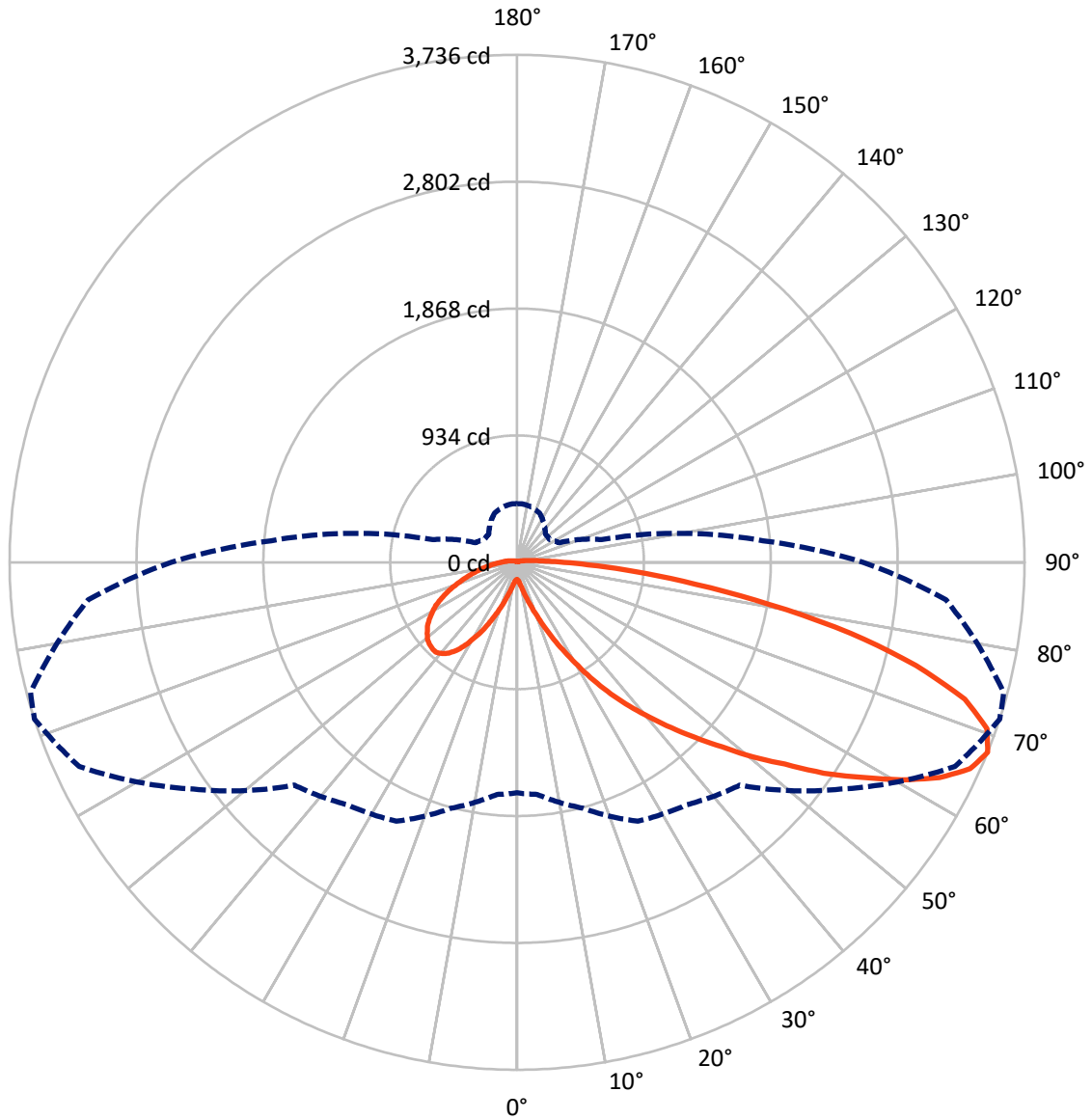
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P695894
CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

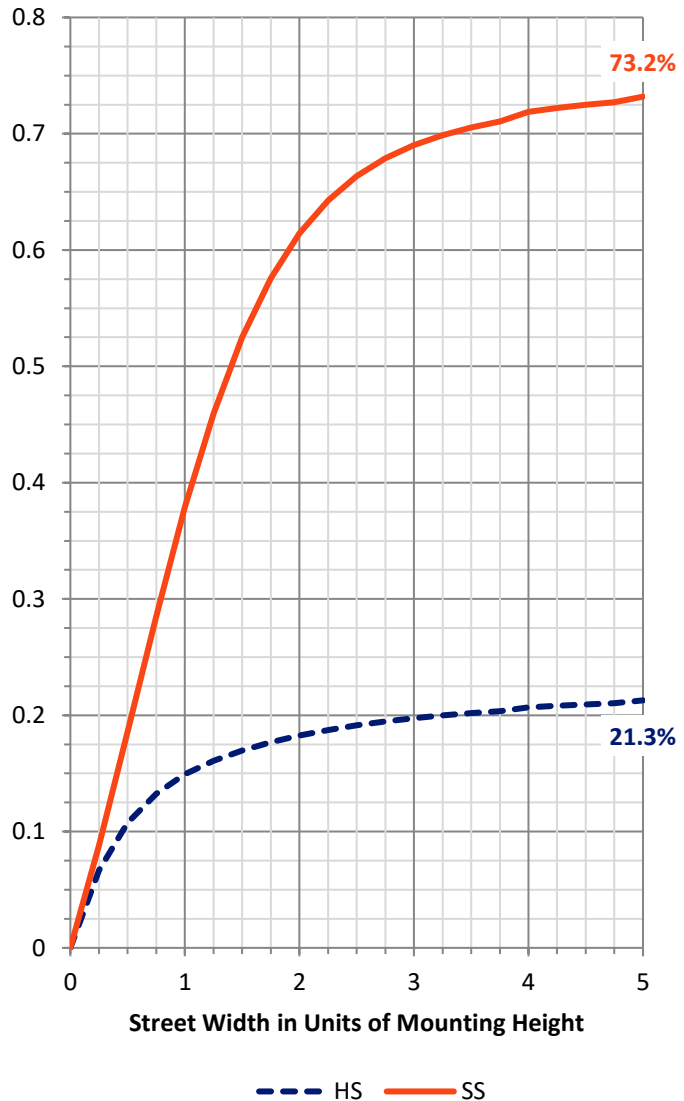
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.6	108.7	1556.3
	% Fixture	22.3	1.7	24.0
Street Side	Lumens	4824.5	100.1	4924.6
	% Fixture	74.4	1.5	76.0
Total	Lumens	6272.2	208.8	6481.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.5	0.2
10°-20°	76.4	1.2
20°-30°	245.4	3.8
30°-40°	548.6	8.5
40°-50°	914.6	14.1
50°-60°	1331.3	20.5
60°-70°	1595.6	24.6
70°-80°	1145.5	17.7
80°-90°	400.3	6.2
90°-100°	109.6	1.7
100°-110°	47.0	0.7
110°-120°	24.2	0.4
120°-130°	14.4	0.2
130°-140°	8.8	0.1
140°-150°	4.5	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6272.2	96.8
0°-180°	6481.0	100.0

Coefficient of Utilization



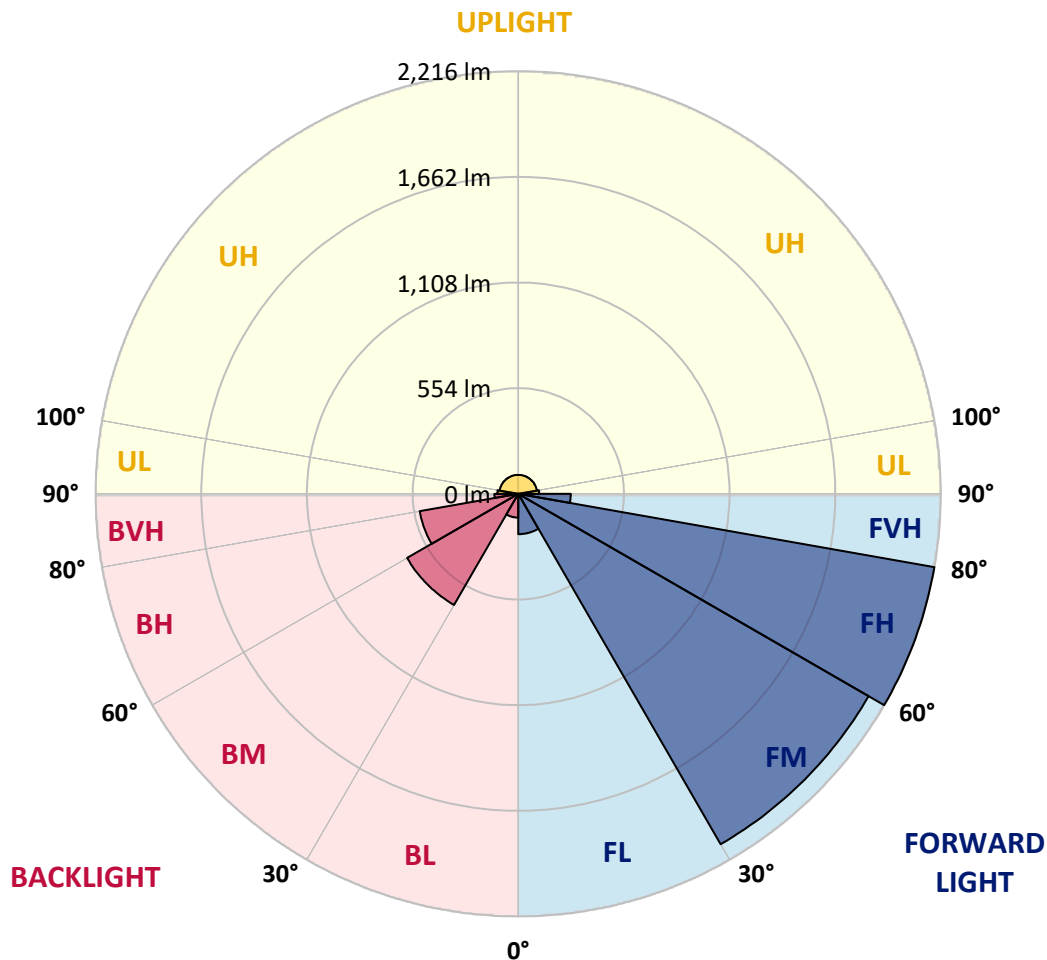
REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	211.5	3.3			
FM (30°-60°)	2121.7	32.7			
FH (60°-80°)	2216.2	34.2			G2/5000
FVH (80°-90°)	275.2	4.2			G3/500
BL (0°-30°)	124.8	1.9	B1/500		
BM (30°-60°)	672.8	10.4	B1/1000		
BH (60°-80°)	524.9	8.1	B2/1000		G2/1000
BVH (80°-90°)	125.1	1.9			G2/225
UL (90°-100°)	109.6	1.7		U3/500	
UH (100°-180°)	99.3	1.5		U3/500	

BUG Rating: B2-U3-G3

Type III Medium



REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	134.5	134.5	134.5	136.9	134.5	134.5	134.5	132.2	132.2	132.2	129.8
5°	155.8	155.8	153.4	153.4	151.1	151.1	148.7	146.3	144.0	141.6	139.3
7.5°	181.7	181.7	179.4	179.4	177.0	172.3	169.9	165.2	162.9	160.5	158.1
10°	221.9	219.5	219.5	217.1	212.4	207.7	203.0	195.9	191.2	188.8	184.1
12.5°	273.8	271.4	269.1	259.6	254.9	247.8	240.7	236.0	231.3	226.6	219.5
15°	339.9	337.5	330.4	323.3	306.8	299.7	290.3	287.9	283.2	280.9	269.1
17.5°	420.1	413.0	408.3	391.8	375.3	358.8	354.0	349.3	346.9	344.6	337.5
20°	519.2	512.2	502.7	472.0	453.2	434.3	422.5	424.8	422.5	422.5	415.4
22.5°	639.6	642.0	616.0	575.9	533.4	509.8	505.1	512.2	516.9	521.6	507.4
25°	785.9	783.6	743.5	689.2	634.9	601.9	597.1	611.3	627.8	637.3	625.5
27.5°	948.8	937.0	896.9	816.6	748.2	698.6	701.0	731.7	748.2	755.3	745.8
30°	1118.7	1114.0	1055.0	958.2	859.1	797.7	807.2	852.0	882.7	899.2	875.6
32.5°	1302.8	1288.7	1220.2	1106.9	977.1	901.6	922.8	986.6	1036.1	1038.5	1026.7
35°	1477.5	1477.5	1397.2	1260.3	1099.9	1010.2	1036.1	1140.0	1189.5	1203.7	1177.7
37.5°	1649.8	1638.0	1569.5	1399.6	1222.6	1116.4	1151.8	1274.5	1343.0	1357.1	1324.1
40°	1793.8	1791.4	1713.5	1553.0	1333.5	1220.2	1267.4	1418.5	1498.7	1522.3	1468.0
42.5°	1940.1	1930.6	1869.3	1687.5	1465.7	1326.4	1390.2	1574.3	1663.9	1678.1	1621.5
45°	2048.7	2041.6	1996.7	1829.2	1590.8	1439.7	1520.0	1730.0	1841.0	1855.1	1767.8
47.5°	2152.5	2152.5	2114.7	1975.5	1720.6	1567.2	1668.7	1914.1	2029.8	2053.4	1954.2
50°	2254.0	2244.6	2235.1	2114.7	1852.8	1708.8	1815.0	2107.7	2251.6	2275.2	2138.3
52.5°	2313.0	2327.2	2339.0	2256.4	2001.5	1843.3	1992.0	2317.7	2468.8	2501.8	2353.1
55°	2367.3	2360.2	2414.5	2360.2	2128.9	1992.0	2190.3	2558.5	2740.2	2752.0	2584.4
57.5°	2364.9	2372.0	2452.2	2457.0	2254.0	2128.9	2376.7	2796.8	2985.7	3025.8	2796.8
60°	2308.3	2327.2	2431.0	2480.6	2353.1	2251.6	2570.3	3047.0	3252.4	3292.5	3006.9
62.5°	2192.6	2199.7	2348.4	2457.0	2381.4	2346.0	2742.6	3278.3	3490.7	3488.4	3167.4
65°	1975.5	1987.3	2145.4	2322.4	2329.5	2369.6	2860.6	3467.1	3665.4	3651.2	3219.3
67.5°	1697.0	1715.9	1874.0	2102.9	2178.5	2320.1	2910.1	3556.8	3736.2	3707.9	3169.7
70°	1347.7	1394.9	1520.0	1760.7	1954.2	2161.9	2844.0	3533.2	3670.1	3632.3	2966.8
72.5°	991.3	1012.5	1144.7	1380.7	1619.1	1928.3	2629.3	3337.3	3448.3	3358.6	2648.1
75°	696.3	703.3	814.3	1017.2	1274.5	1609.7	2305.9	2957.3	3035.2	2947.9	2209.1
77.5°	429.6	443.7	531.0	698.6	937.0	1283.9	1876.4	2464.0	2513.6	2400.3	1722.9
80°	264.3	273.8	335.1	462.6	651.4	937.0	1451.5	1871.6	1888.2	1810.3	1232.0
82.5°	169.9	179.4	219.5	297.4	434.3	653.8	1022.0	1333.5	1324.1	1241.5	830.8
85°	110.9	118.0	144.0	198.3	287.9	450.8	682.1	885.1	863.8	802.5	540.5
87.5°	73.2	77.9	101.5	139.3	198.3	299.7	439.0	535.8	524.0	483.8	337.5
90°	49.6	51.9	70.8	96.8	139.3	205.3	283.2	323.3	302.1	285.6	219.5
92.5°	35.4	40.1	51.9	73.2	106.2	146.3	184.1	200.6	188.8	181.7	148.7
95°	28.3	28.3	42.5	59.0	82.6	110.9	129.8	129.8	122.7	120.4	108.6
97.5°	23.6	23.6	35.4	49.6	68.4	87.3	94.4	92.0	87.3	89.7	82.6
100°	18.9	21.2	30.7	42.5	56.6	70.8	73.2	68.4	66.1	66.1	63.7
102.5°	16.5	18.9	28.3	37.8	49.6	59.0	61.4	56.6	51.9	51.9	49.6
105°	16.5	16.5	23.6	33.0	42.5	49.6	49.6	44.8	42.5	40.1	37.8
107.5°	14.2	14.2	21.2	30.7	37.8	42.5	42.5	37.8	33.0	33.0	30.7
110°	11.8	14.2	18.9	26.0	33.0	37.8	37.8	33.0	28.3	26.0	26.0

REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	11.8	11.8	16.5	23.6	28.3	33.0	30.7	26.0	23.6	21.2	21.2
115°	11.8	11.8	14.2	21.2	26.0	28.3	28.3	23.6	18.9	18.9	18.9
117.5°	11.8	11.8	14.2	18.9	23.6	26.0	23.6	21.2	16.5	16.5	16.5
120°	11.8	11.8	14.2	16.5	21.2	23.6	21.2	18.9	14.2	14.2	16.5
122.5°	9.4	11.8	11.8	16.5	18.9	21.2	18.9	16.5	14.2	14.2	14.2
125°	9.4	11.8	11.8	14.2	16.5	18.9	16.5	14.2	11.8	11.8	14.2
127.5°	9.4	9.4	11.8	14.2	16.5	16.5	16.5	14.2	11.8	11.8	14.2
130°	9.4	11.8	11.8	11.8	14.2	16.5	14.2	11.8	11.8	11.8	11.8
132.5°	9.4	9.4	11.8	11.8	14.2	14.2	11.8	11.8	9.4	9.4	11.8
135°	9.4	9.4	9.4	11.8	11.8	11.8	11.8	9.4	9.4	9.4	11.8
137.5°	9.4	9.4	9.4	9.4	11.8	11.8	9.4	9.4	9.4	9.4	9.4
140°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	7.1	9.4	9.4	9.4
142.5°	9.4	9.4	9.4	7.1	9.4	7.1	7.1	7.1	7.1	7.1	9.4
145°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
147.5°	7.1	7.1	7.1	7.1	7.1	7.1	4.7	4.7	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	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

REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5	127.5
2.5°	127.5	127.5	127.5	125.1	125.1	125.1	122.7	122.7	122.7	122.7	122.7
5°	139.3	136.9	134.5	132.2	127.5	127.5	125.1	125.1	122.7	122.7	122.7
7.5°	155.8	153.4	148.7	144.0	139.3	134.5	132.2	129.8	127.5	127.5	127.5
10°	179.4	177.0	167.6	160.5	153.4	148.7	144.0	141.6	139.3	136.9	136.9
12.5°	214.8	212.4	200.6	186.5	174.7	165.2	158.1	155.8	153.4	151.1	153.4
15°	264.3	259.6	243.1	219.5	203.0	186.5	179.4	177.0	179.4	179.4	177.0
17.5°	330.4	318.6	292.7	262.0	236.0	214.8	205.3	205.3	205.3	207.7	207.7
20°	406.0	394.2	356.4	313.9	271.4	245.5	233.7	233.7	236.0	238.4	243.1
22.5°	495.6	476.8	427.2	365.8	311.5	276.1	262.0	262.0	269.1	276.1	276.1
25°	606.6	583.0	509.8	420.1	351.7	306.8	287.9	290.3	302.1	309.2	311.5
27.5°	726.9	696.3	599.5	483.8	387.1	330.4	311.5	316.3	330.4	342.2	342.2
30°	863.8	811.9	682.1	538.1	417.8	349.3	330.4	339.9	356.4	370.6	372.9
32.5°	988.9	937.0	776.5	590.1	443.7	361.1	342.2	356.4	375.3	391.8	391.8
35°	1128.2	1062.1	854.4	630.2	457.9	368.2	349.3	368.2	389.4	403.6	403.6
37.5°	1262.7	1170.7	915.8	653.8	462.6	368.2	351.7	375.3	394.2	406.0	408.3
40°	1385.4	1276.9	960.6	660.9	457.9	363.5	351.7	375.3	394.2	401.2	403.6
42.5°	1517.6	1366.6	993.6	653.8	446.1	356.4	349.3	372.9	389.4	391.8	394.2
45°	1649.8	1465.7	1003.1	630.2	429.6	346.9	342.2	365.8	380.0	380.0	380.0
47.5°	1793.8	1562.5	1003.1	601.9	408.3	337.5	337.5	361.1	370.6	368.2	368.2
50°	1944.8	1654.5	996.0	568.8	389.4	328.1	330.4	356.4	365.8	358.8	358.8
52.5°	2102.9	1753.6	972.4	528.7	368.2	318.6	328.1	354.0	363.5	356.4	356.4
55°	2294.1	1850.4	946.4	490.9	349.3	311.5	325.7	354.0	363.5	356.4	356.4
57.5°	2428.6	1935.4	906.3	455.5	335.1	306.8	325.7	358.8	368.2	363.5	363.5
60°	2584.4	1992.0	854.4	420.1	321.0	302.1	330.4	363.5	377.6	377.6	377.6
62.5°	2669.4	2006.2	800.1	389.4	311.5	299.7	335.1	372.9	391.8	394.2	396.5
65°	2669.4	1944.8	724.6	363.5	302.1	297.4	339.9	384.7	408.3	415.4	417.8
67.5°	2549.0	1817.4	644.3	339.9	292.7	295.0	344.6	396.5	420.1	431.9	431.9
70°	2350.8	1616.7	559.4	316.3	283.2	292.7	346.9	401.2	427.2	439.0	439.0
72.5°	2025.1	1383.1	479.1	297.4	273.8	287.9	344.6	401.2	424.8	434.3	431.9
75°	1640.3	1104.6	401.2	276.1	262.0	276.1	332.8	389.4	408.3	413.0	413.0
77.5°	1276.9	842.6	337.5	252.5	245.5	262.0	316.3	365.8	382.4	384.7	382.4
80°	908.7	608.9	283.2	231.3	226.6	240.7	287.9	330.4	344.6	346.9	342.2
82.5°	611.3	436.6	231.3	203.0	203.0	217.1	257.3	290.3	302.1	299.7	297.4
85°	396.5	295.0	188.8	174.7	177.0	191.2	219.5	245.5	252.5	250.2	243.1
87.5°	259.6	207.7	151.1	148.7	151.1	162.9	184.1	198.3	207.7	203.0	200.6
90°	177.0	148.7	122.7	122.7	127.5	136.9	151.1	158.1	160.5	160.5	158.1
92.5°	129.8	115.6	101.5	101.5	108.6	115.6	122.7	125.1	129.8	127.5	125.1
95°	99.1	94.4	85.0	85.0	92.0	99.1	101.5	99.1	103.8	103.8	101.5
97.5°	77.9	77.9	73.2	73.2	77.9	82.6	85.0	82.6	85.0	82.6	82.6
100°	61.4	61.4	63.7	63.7	66.1	70.8	70.8	70.8	70.8	68.4	66.1
102.5°	49.6	51.9	54.3	56.6	59.0	59.0	61.4	59.0	59.0	54.3	54.3
105°	40.1	40.1	44.8	47.2	49.6	51.9	51.9	51.9	49.6	44.8	44.8
107.5°	33.0	35.4	37.8	42.5	42.5	44.8	47.2	44.8	40.1	35.4	37.8
110°	26.0	28.3	33.0	35.4	37.8	40.1	40.1	37.8	33.0	30.7	30.7

REPORT NUMBER: P695894
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T3-TL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.6	23.6	28.3	30.7	33.0	35.4	35.4	33.0	28.3	26.0	26.0
115°	21.2	21.2	23.6	26.0	28.3	30.7	30.7	28.3	23.6	21.2	21.2
117.5°	18.9	18.9	21.2	23.6	26.0	28.3	26.0	26.0	21.2	18.9	18.9
120°	16.5	18.9	18.9	21.2	23.6	23.6	23.6	21.2	18.9	18.9	18.9
122.5°	16.5	16.5	18.9	18.9	21.2	21.2	21.2	18.9	16.5	16.5	16.5
125°	14.2	16.5	16.5	16.5	18.9	18.9	18.9	16.5	14.2	14.2	14.2
127.5°	14.2	14.2	14.2	16.5	16.5	16.5	16.5	14.2	14.2	14.2	14.2
130°	14.2	14.2	14.2	14.2	14.2	16.5	14.2	14.2	11.8	14.2	14.2
132.5°	11.8	11.8	11.8	14.2	14.2	14.2	14.2	11.8	11.8	11.8	11.8
135°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
137.5°	11.8	11.8	11.8	11.8	11.8	11.8	9.4	9.4	9.4	11.8	11.8
140°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
142.5°	9.4	9.4	9.4	7.1	7.1	7.1	7.1	7.1	7.1	9.4	9.4
145°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
147.5°	7.1	7.1	7.1	4.7	4.7	4.7	4.7	7.1	7.1	7.1	7.1
150°	4.7	4.7	4.7	4.7	4.7	4.7	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)