

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: P695882

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695882
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6647 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

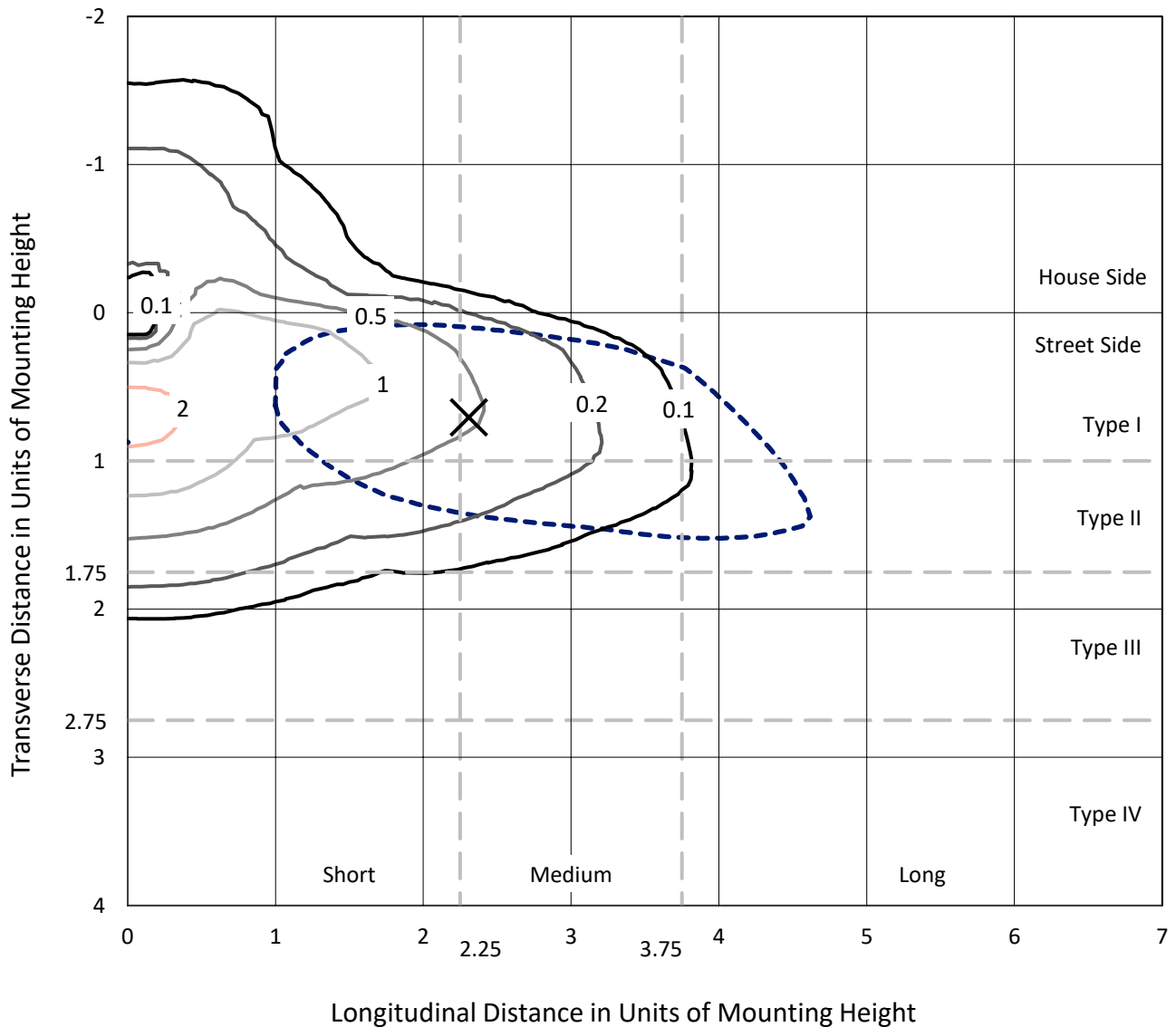
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

Iso-Footcandle Lines of Horizontal Illumination

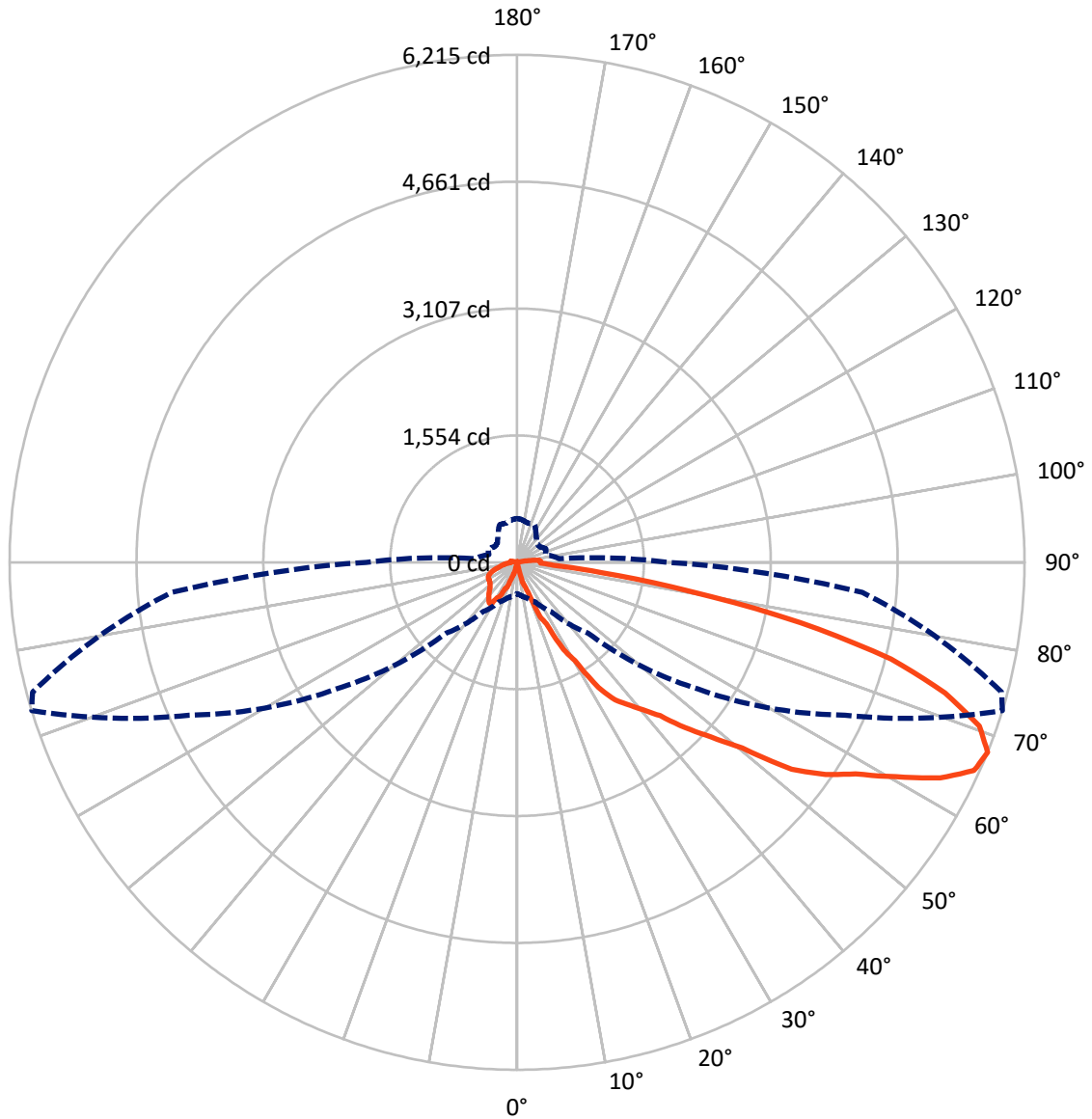
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P695882
CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

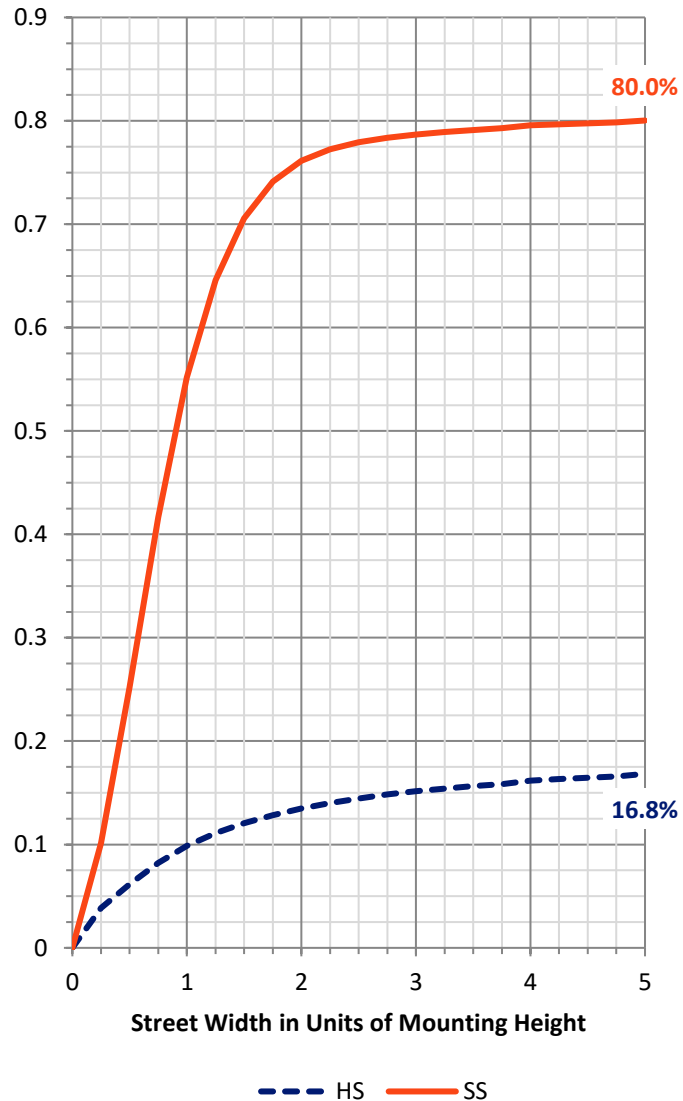
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1175.0	50.0	1225.0
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	5360.5	61.5	5422.0
	% Fixture	80.6	0.9	81.6
Total	Lumens	6535.5	111.5	6647.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	53.8	0.8
20°-30°	332.7	5.0
30°-40°	837.0	12.6
40°-50°	1208.6	18.2
50°-60°	1478.1	22.2
60°-70°	1457.3	21.9
70°-80°	916.8	13.8
80°-90°	250.7	3.8
90°-100°	72.9	1.1
100°-110°	15.6	0.2
110°-120°	8.0	0.1
120°-130°	6.6	0.1
130°-140°	4.6	0.1
140°-150°	3.4	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6535.5	98.3
0°-180°	6647.0	100.0

Coefficient of Utilization

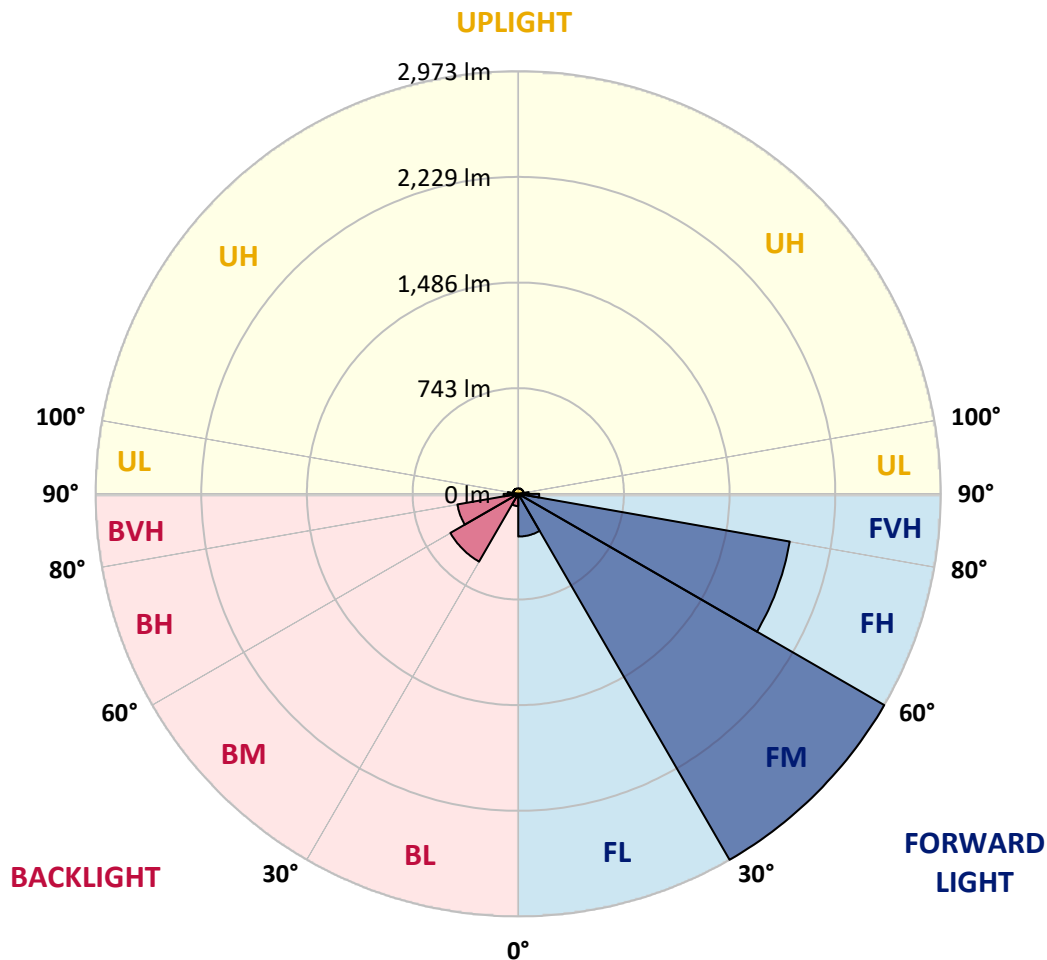


REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.8	4.5			
FM (30°-60°)	2972.5	44.7			
FH (60°-80°)	1939.5	29.2			G2/5000
FVH (80°-90°)	147.7	2.2			G2/225
BL (0°-30°)	86.3	1.3	B0/110		
BM (30°-60°)	551.1	8.3	B1/1000		
BH (60°-80°)	434.6	6.5	B1/500		G1/500
BVH (80°-90°)	103.0	1.5			G2/225
UL (90°-100°)	72.9	1.1		U3/500	
UH (100°-180°)	38.6	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	4.7	4.7	4.7
5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	4.7	4.7	4.7
7.5°	9.4	11.8	9.4	9.4	9.4	9.4	9.4	7.1	4.7	4.7	4.7
10°	40.1	37.8	26.0	23.6	14.2	11.8	9.4	7.1	7.1	7.1	7.1
12.5°	316.3	313.9	306.8	276.2	47.2	23.6	14.2	18.9	26.0	30.7	35.4
15°	363.5	368.2	361.1	354.1	342.3	113.3	49.6	273.8	254.9	245.5	188.8
17.5°	656.2	491.0	431.9	422.5	396.5	332.8	302.1	335.2	304.5	295.0	229.0
20°	901.7	896.9	880.4	849.7	476.8	606.6	580.6	394.2	398.9	422.5	450.8
22.5°	1007.9	1003.2	981.9	948.9	991.4	698.7	658.5	731.7	724.6	703.4	545.2
25°	1652.3	1631.0	1515.4	1104.6	1107.0	974.8	1010.2	941.8	830.8	809.6	634.9
27.5°	1791.5	1803.3	1775.0	1612.1	1267.5	1298.2	1109.4	1083.4	1208.5	1243.9	960.7
30°	2395.8	2452.4	2181.0	1838.7	1661.7	1418.6	1359.6	1487.0	1397.3	1357.2	1050.4
32.5°	2799.4	2773.4	2721.5	2294.3	1885.9	1699.5	1697.1	1640.5	1829.3	1824.6	1475.2
35°	2959.9	2938.6	2886.7	2513.8	2169.2	1994.5	1845.8	2039.4	2070.0	1992.1	1574.4
37.5°	3080.3	3056.7	2995.3	2594.0	2395.8	2114.9	2176.3	2185.7	2214.0	2197.5	1661.7
40°	3087.4	3073.2	3030.7	2707.3	2520.9	2209.3	2358.0	2379.2	2372.2	2414.6	1772.6
42.5°	3061.4	3033.1	3007.1	2728.6	2587.0	2282.5	2497.3	2620.0	2568.1	2629.4	1902.5
45°	2959.9	2926.8	2915.0	2728.6	2577.5	2332.0	2660.1	2846.6	2886.7	2832.4	2044.1
47.5°	2787.6	2780.5	2785.2	2664.8	2568.1	2388.7	2815.9	3018.9	3193.6	3108.6	2251.8
50°	2612.9	2624.7	2657.8	2591.7	2539.7	2421.7	3014.2	3316.3	3573.6	3457.9	2563.4
52.5°	2336.8	2353.3	2447.7	2473.7	2459.5	2419.4	3167.6	3717.6	4210.9	4050.4	2886.7
55°	2084.2	2093.6	2157.4	2251.8	2306.1	2369.8	3229.0	3894.6	4586.2	4404.4	3096.8
57.5°	1796.2	1777.4	1860.0	1996.9	2119.6	2301.4	3292.7	4033.9	4888.3	4789.2	3370.6
60°	1454.0	1413.9	1534.2	1661.7	1848.2	2159.7	3332.8	4274.6	5332.1	5275.4	3769.5
62.5°	979.5	998.4	1118.8	1291.1	1550.8	1921.3	3288.0	4494.1	5813.6	5780.5	4102.3
65°	616.1	642.0	719.9	868.6	1133.0	1616.8	3099.2	4598.0	6148.7	6092.1	4293.5
67.5°	384.7	401.3	450.8	540.5	743.5	1225.0	2707.3	4430.4	6214.8	6141.7	4246.3
70°	318.6	323.4	330.5	351.7	457.9	847.4	2152.6	3996.1	6004.8	6016.6	4050.4
72.5°	285.6	290.3	290.3	288.0	295.0	531.1	1534.2	3389.5	5480.8	5480.8	3660.9
75°	262.0	264.4	257.3	254.9	250.2	330.5	937.1	2686.1	4732.5	4642.8	3059.0
77.5°	231.3	236.0	229.0	229.0	226.6	252.6	542.9	2048.8	3545.3	3394.2	2063.0
80°	198.3	198.3	198.3	198.3	200.6	200.6	339.9	1406.8	2136.1	1968.5	1114.1
82.5°	158.1	155.8	160.5	169.9	165.2	153.4	262.0	819.0	1036.2	939.4	550.0
85°	61.4	75.5	87.3	106.2	110.9	106.2	200.6	403.6	441.4	472.1	339.9
87.5°	35.4	35.4	28.3	28.3	30.7	42.5	125.1	243.1	285.6	321.0	299.8
90°	37.8	37.8	28.3	26.0	26.0	35.4	108.6	221.9	290.3	323.4	304.5
92.5°	40.1	40.1	28.3	26.0	26.0	28.3	89.7	198.3	288.0	330.5	297.4
95°	35.4	37.8	26.0	23.6	26.0	26.0	66.1	158.1	266.7	271.4	278.5
97.5°	23.6	26.0	16.5	18.9	23.6	21.2	35.4	92.1	141.6	108.6	129.8
100°	14.2	16.5	11.8	14.2	16.5	16.5	18.9	40.1	35.4	23.6	23.6
102.5°	14.2	14.2	9.4	11.8	11.8	9.4	9.4	16.5	14.2	14.2	23.6
105°	14.2	14.2	9.4	9.4	7.1	7.1	7.1	11.8	11.8	14.2	23.6
107.5°	9.4	11.8	7.1	7.1	7.1	7.1	4.7	7.1	11.8	11.8	26.0
110°	7.1	7.1	4.7	4.7	4.7	7.1	4.7	7.1	9.4	11.8	18.9

REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	4.7	7.1	4.7	4.7	4.7	4.7	4.7	7.1	9.4	9.4	11.8
115°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	9.4	14.2
117.5°	7.1	7.1	4.7	4.7	2.4	4.7	4.7	4.7	7.1	9.4	14.2
120°	7.1	7.1	4.7	4.7	2.4	2.4	4.7	4.7	9.4	9.4	14.2
122.5°	7.1	7.1	4.7	2.4	2.4	2.4	4.7	4.7	7.1	9.4	14.2
125°	7.1	7.1	4.7	2.4	2.4	2.4	4.7	4.7	7.1	9.4	11.8
127.5°	7.1	7.1	4.7	2.4	2.4	2.4	4.7	4.7	7.1	7.1	11.8
130°	7.1	7.1	4.7	2.4	2.4	2.4	4.7	4.7	7.1	7.1	11.8
132.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	9.4
135°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
140°	7.1	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
142.5°	7.1	7.1	7.1	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7
145°	9.4	9.4	9.4	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	9.4	9.4	9.4	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7
150°	9.4	11.8	9.4	7.1	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: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
2.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
5°	4.7	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7
7.5°	4.7	4.7	4.7	2.4	2.4	2.4	2.4	4.7	4.7	4.7	4.7
10°	7.1	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	4.7	2.4
12.5°	35.4	35.4	26.0	11.8	4.7	2.4	2.4	2.4	7.1	7.1	7.1
15°	172.3	155.8	139.3	122.7	33.0	4.7	4.7	21.2	80.3	113.3	118.0
17.5°	200.6	181.7	162.9	148.7	132.2	49.6	54.3	141.6	146.3	148.7	146.3
20°	387.1	344.6	224.2	169.9	146.3	153.4	134.5	151.1	162.9	167.6	167.6
22.5°	460.3	396.5	339.9	297.4	174.7	210.1	195.9	174.7	271.4	278.5	280.9
25°	533.4	450.8	365.9	316.3	304.5	217.2	231.3	266.7	288.0	292.7	290.3
27.5°	778.9	642.0	512.2	342.3	323.4	271.4	290.3	280.9	306.8	375.3	382.4
30°	837.9	668.0	521.6	415.4	339.9	318.6	299.8	365.9	396.5	396.5	398.9
32.5°	1161.3	892.2	642.0	415.4	375.3	321.0	358.8	382.4	401.3	429.6	420.1
35°	1215.6	901.7	634.9	481.5	375.3	337.5	370.6	394.2	481.5	491.0	488.6
37.5°	1260.4	892.2	599.5	467.4	406.0	358.8	377.7	450.8	486.2	483.9	479.2
40°	1310.0	878.1	564.1	457.9	403.6	361.1	403.6	453.2	474.4	462.6	450.8
42.5°	1366.6	856.8	533.4	436.7	394.2	363.5	406.0	441.4	439.0	431.9	424.9
45°	1439.8	833.2	498.0	417.8	389.5	358.8	398.9	410.7	427.2	422.5	417.8
47.5°	1548.4	809.6	467.4	401.3	384.7	351.7	403.6	417.8	431.9	420.1	417.8
50°	1708.9	776.6	441.4	396.5	382.4	372.9	370.6	429.6	441.4	413.1	408.3
52.5°	1817.5	738.8	427.2	391.8	375.3	363.5	394.2	424.9	436.7	403.6	401.3
55°	1890.6	684.5	415.4	391.8	370.6	342.3	427.2	434.3	434.3	396.5	391.8
57.5°	1970.9	646.7	408.3	398.9	368.2	318.6	446.1	443.7	434.3	384.7	387.1
60°	2086.6	623.1	401.3	406.0	368.2	325.7	439.0	465.0	434.3	391.8	406.0
62.5°	2152.6	599.5	396.5	408.3	363.5	325.7	424.9	495.7	469.7	439.0	441.4
65°	2060.6	568.8	382.4	406.0	356.4	332.8	410.7	507.5	502.8	488.6	491.0
67.5°	1850.5	516.9	356.4	389.5	332.8	337.5	403.6	507.5	498.0	528.7	535.8
70°	1616.8	455.5	318.6	361.1	316.3	332.8	420.1	491.0	491.0	547.6	559.4
72.5°	1369.0	372.9	276.2	330.5	316.3	323.4	439.0	472.1	472.1	547.6	545.2
75°	1123.5	297.4	231.3	283.2	292.7	323.4	436.7	450.8	439.0	500.4	488.6
77.5°	821.4	236.0	198.3	238.4	264.4	323.4	422.5	420.1	401.3	429.6	424.9
80°	505.1	186.5	167.6	203.0	221.9	309.2	398.9	382.4	349.3	363.5	358.8
82.5°	292.7	139.3	141.6	172.3	177.0	283.2	361.1	332.8	297.4	304.5	297.4
85°	188.8	89.7	110.9	132.2	139.3	231.3	309.2	280.9	240.8	311.6	297.4
87.5°	146.3	51.9	75.5	87.3	85.0	101.5	177.0	167.6	165.2	134.5	129.8
90°	136.9	44.8	75.5	75.5	61.4	49.6	68.5	70.8	59.0	63.7	56.6
92.5°	122.7	44.8	80.3	75.5	54.3	40.1	56.6	56.6	44.8	42.5	40.1
95°	101.5	40.1	85.0	77.9	49.6	35.4	47.2	44.8	35.4	33.0	30.7
97.5°	54.3	26.0	80.3	70.8	44.8	33.0	42.5	37.8	26.0	23.6	21.2
100°	18.9	16.5	77.9	61.4	37.8	26.0	30.7	28.3	16.5	14.2	11.8
102.5°	16.5	14.2	44.8	44.8	23.6	14.2	18.9	18.9	14.2	11.8	11.8
105°	18.9	14.2	16.5	23.6	11.8	7.1	9.4	11.8	11.8	14.2	14.2
107.5°	18.9	14.2	11.8	11.8	9.4	7.1	7.1	7.1	11.8	14.2	14.2
110°	16.5	14.2	9.4	11.8	9.4	7.1	7.1	7.1	11.8	16.5	16.5

REPORT NUMBER: P695882
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T2R-CL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	11.8	11.8	9.4	9.4	7.1	7.1	7.1	7.1	11.8	16.5	18.9
115°	11.8	11.8	7.1	7.1	7.1	7.1	4.7	7.1	11.8	18.9	21.2
117.5°	14.2	11.8	7.1	7.1	4.7	4.7	4.7	7.1	14.2	21.2	23.6
120°	14.2	11.8	7.1	7.1	4.7	4.7	4.7	7.1	14.2	23.6	23.6
122.5°	14.2	11.8	7.1	7.1	4.7	4.7	4.7	7.1	14.2	23.6	23.6
125°	11.8	11.8	7.1	7.1	4.7	4.7	4.7	7.1	14.2	23.6	23.6
127.5°	11.8	9.4	7.1	4.7	4.7	4.7	4.7	7.1	14.2	21.2	23.6
130°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	7.1	14.2	21.2	21.2
132.5°	9.4	9.4	7.1	4.7	4.7	4.7	4.7	7.1	11.8	18.9	18.9
135°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	7.1	9.4	14.2	14.2
137.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	9.4	9.4
140°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1	7.1
142.5°	4.7	4.7	4.7	4.7	4.7	2.4	4.7	4.7	7.1	7.1	7.1
145°	4.7	4.7	4.7	4.7	2.4	2.4	4.7	4.7	7.1	7.1	4.7
147.5°	4.7	4.7	4.7	4.7	2.4	2.4	2.4	4.7	7.1	7.1	4.7
150°	4.7	4.7	4.7	2.4	2.4	2.4	2.4	4.7	7.1	7.1	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

(END OF REPORT)