

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: P695896

Luminaire Tested: **LXF.LXT-PA16-730-U-T4W-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-22)
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-T4W-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6566 lumens
Efficiency: N/A
Efficacy: 91.2 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: B2 - U3 - G3

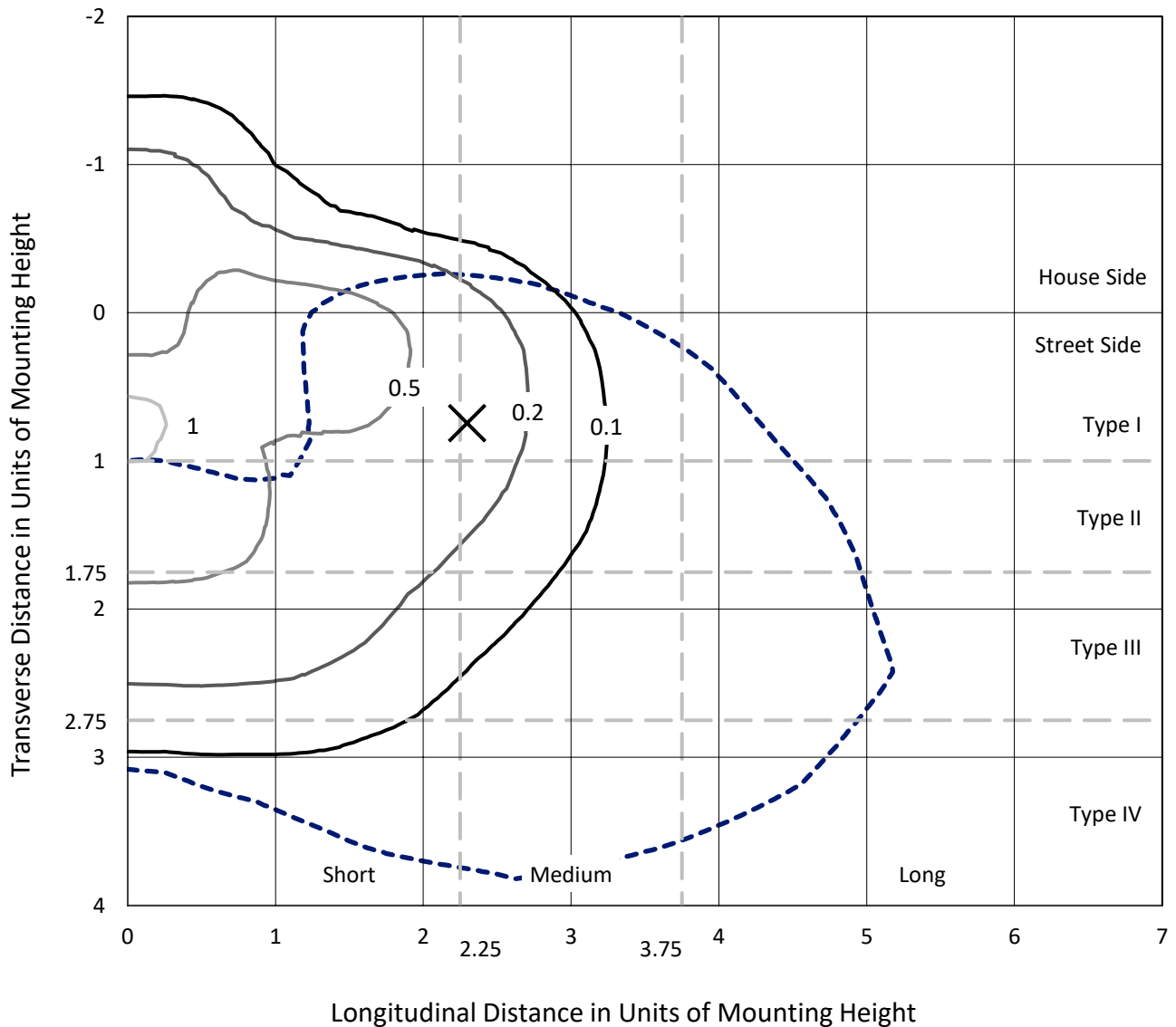
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

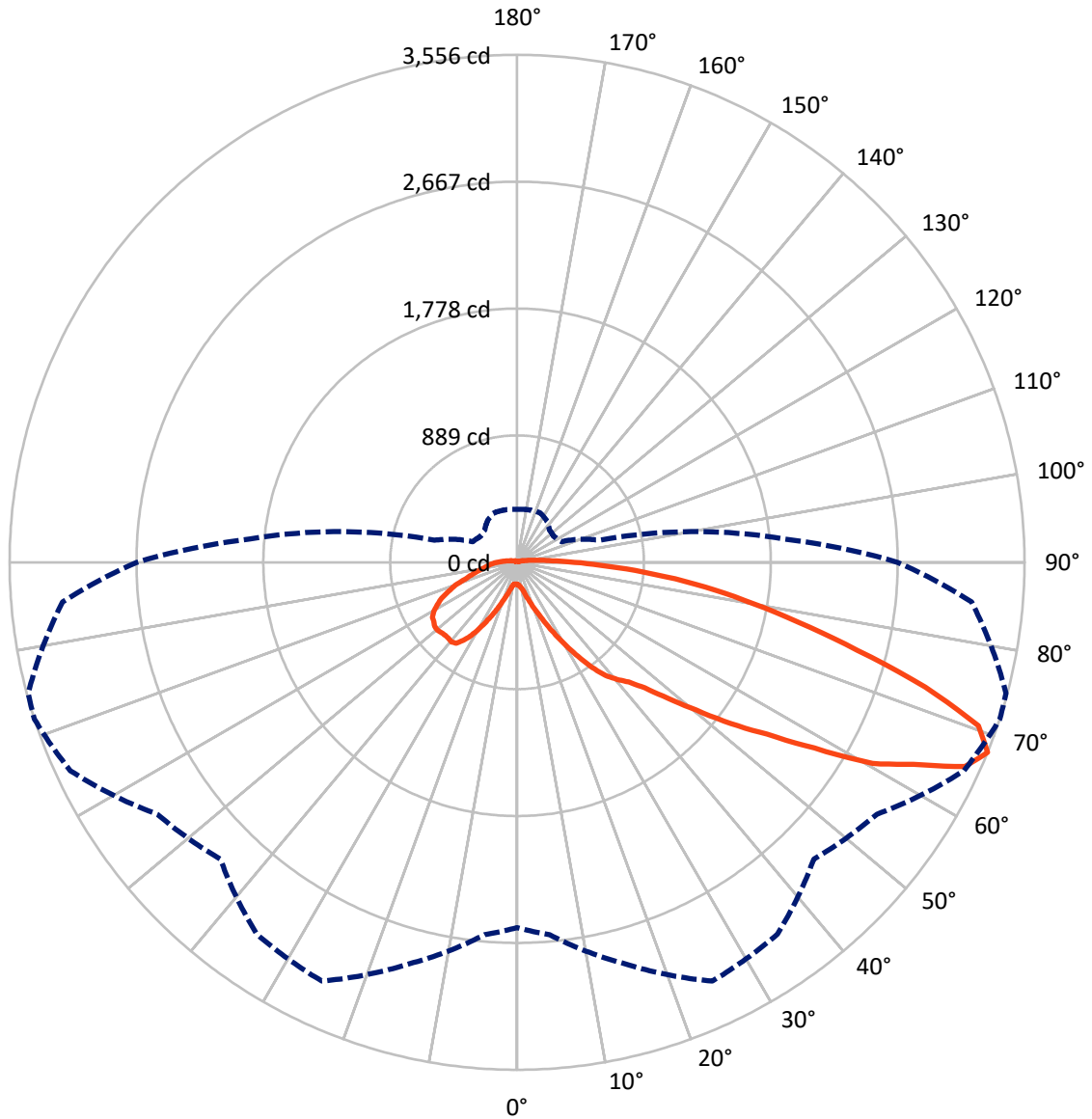
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - N/A

REPORT NUMBER: P695896
CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

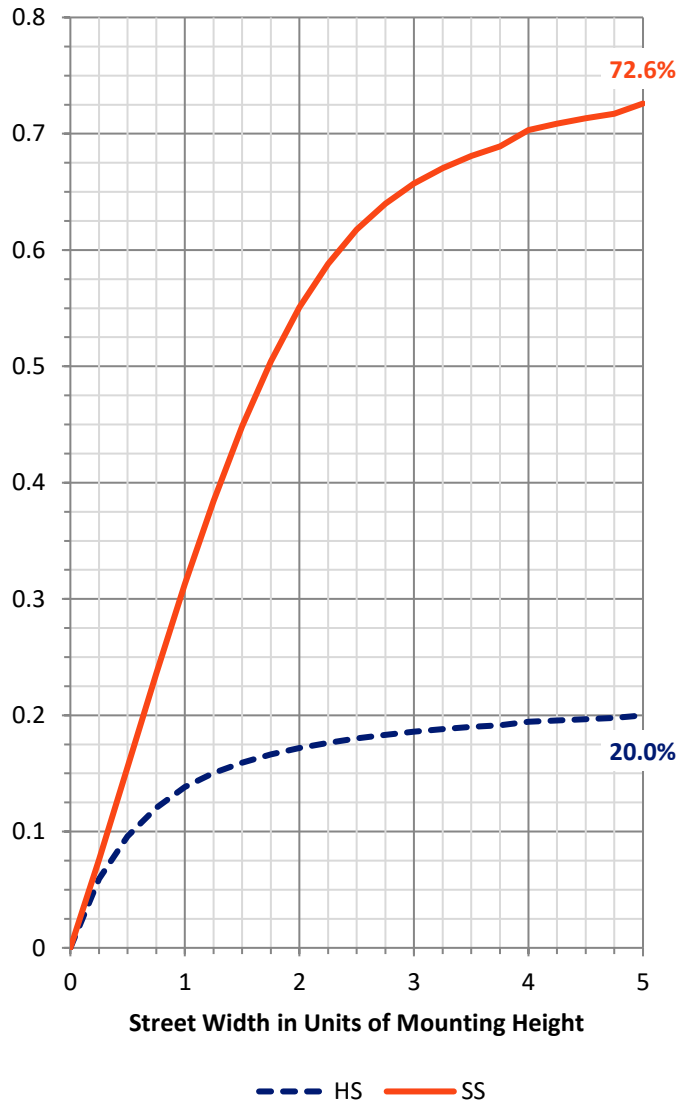
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1385.8	119.2	1504.9
	% Fixture	21.1	1.8	22.9
Street Side	Lumens	4934.3	126.8	5061.1
	% Fixture	75.1	1.9	77.1
Total	Lumens	6320.0	246.0	6566.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	0.2
10°-20°	68.0	1.0
20°-30°	206.1	3.1
30°-40°	463.9	7.1
40°-50°	744.7	11.3
50°-60°	1207.1	18.4
60°-70°	1760.5	26.8
70°-80°	1319.8	20.1
80°-90°	534.3	8.1
90°-100°	148.3	2.3
100°-110°	48.6	0.7
110°-120°	22.4	0.3
120°-130°	13.5	0.2
130°-140°	8.6	0.1
140°-150°	4.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6320.0	96.3
0°-180°	6566.0	100.0

Coefficient of Utilization



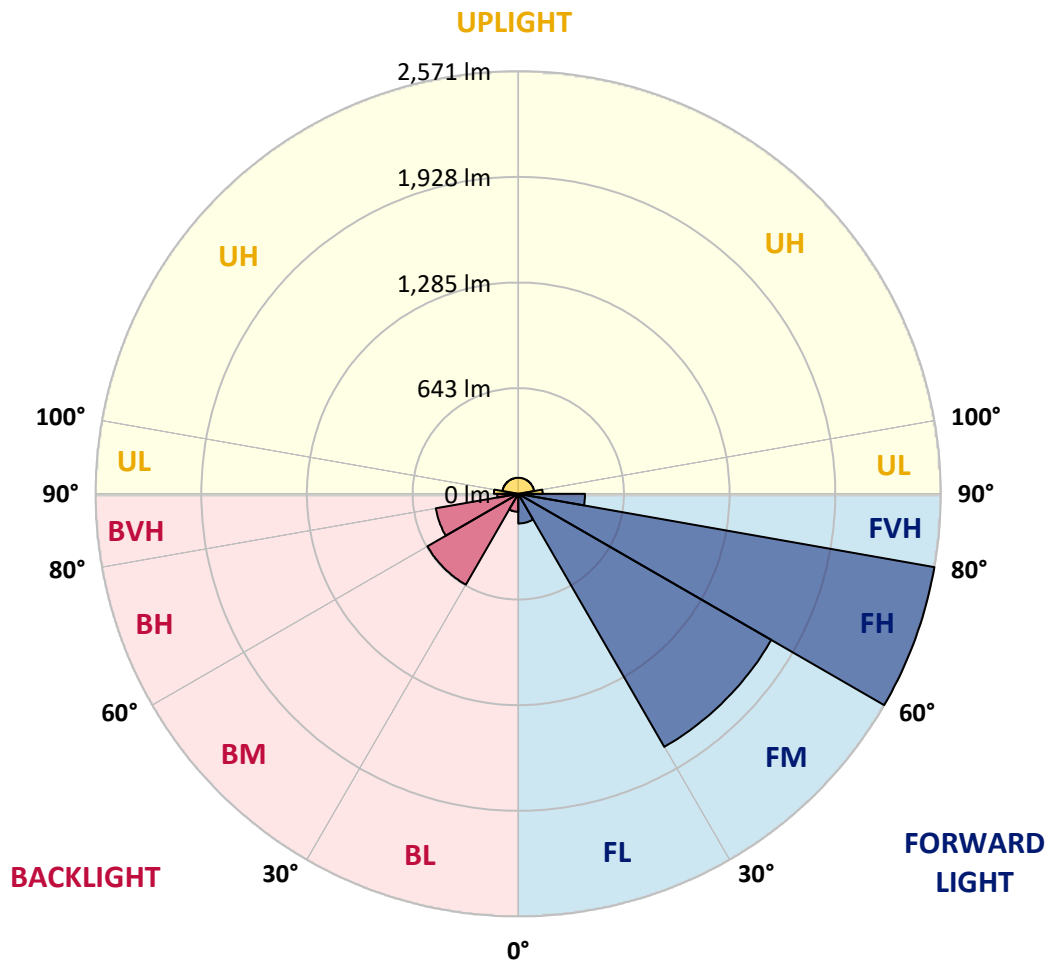
REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.5	2.7			
FM (30°-60°)	1777.4	27.1			
FH (60°-80°)	2570.7	39.2			G2/5000
FVH (80°-90°)	405.7	6.2			G3/500
BL (0°-30°)	109.3	1.7	B0/110		
BM (30°-60°)	638.2	9.7	B1/1000		
BH (60°-80°)	509.6	7.8	B2/1000		G2/1000
BVH (80°-90°)	128.6	2.0			G2/225
UL (90°-100°)	148.3	2.3		U3/500	
UH (100°-180°)	97.7	1.5		U3/500	

BUG Rating: B2-U3-G3

Type IV Medium



REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	162.8	162.8	162.8	162.8	162.8	162.8	162.8	160.5	158.1	158.1	155.8
5°	177.0	177.0	177.0	177.0	177.0	174.6	169.9	167.6	165.2	162.8	160.5
7.5°	198.2	195.9	195.9	193.5	191.1	188.8	184.1	179.3	174.6	172.3	167.6
10°	224.2	224.2	221.8	217.1	214.7	205.3	200.6	193.5	188.8	186.4	179.3
12.5°	271.4	266.7	264.3	257.2	245.4	233.6	224.2	217.1	212.4	212.4	202.9
15°	325.7	323.3	318.6	299.7	285.5	269.0	257.2	252.5	250.1	245.4	238.3
17.5°	391.7	391.7	382.3	356.3	332.7	316.2	302.1	295.0	292.6	292.6	285.5
20°	476.7	476.7	457.8	420.1	391.7	370.5	354.0	344.5	344.5	342.2	337.5
22.5°	575.8	580.5	552.2	502.7	455.5	424.8	405.9	403.5	403.5	413.0	408.3
25°	691.4	691.4	656.0	592.3	538.0	483.8	469.6	479.1	486.1	495.6	497.9
27.5°	840.1	835.4	776.4	696.2	611.2	552.2	535.7	554.6	575.8	582.9	597.0
30°	1010.0	1002.9	929.8	816.5	700.9	613.6	606.5	641.9	679.6	686.7	705.6
32.5°	1154.0	1158.7	1076.1	951.0	792.9	689.1	682.0	738.6	785.8	802.4	837.8
35°	1328.6	1331.0	1231.8	1073.7	882.6	759.9	757.5	835.4	903.8	925.1	962.8
37.5°	1401.8	1415.9	1340.4	1179.9	972.3	835.4	830.7	927.4	1005.3	1028.9	1071.4
40°	1477.3	1486.7	1408.8	1257.8	1045.4	901.5	903.8	1007.7	1078.5	1106.8	1130.4
42.5°	1633.0	1637.7	1531.5	1340.4	1106.8	969.9	972.3	1066.7	1146.9	1182.3	1224.8
45°	1772.3	1793.5	1689.7	1470.2	1189.4	1028.9	1033.6	1163.4	1253.1	1302.6	1354.6
47.5°	1970.5	1970.5	1885.5	1642.5	1312.1	1109.1	1135.1	1300.3	1423.0	1465.5	1541.0
50°	2147.5	2149.8	2086.1	1828.9	1449.0	1220.0	1267.2	1472.6	1628.3	1677.9	1779.3
52.5°	2293.8	2296.1	2251.3	2043.6	1635.4	1366.4	1420.6	1701.5	1876.1	1937.4	2027.1
55°	2475.5	2463.7	2435.4	2258.4	1847.8	1555.1	1635.4	1944.5	2126.2	2208.8	2317.4
57.5°	2669.0	2654.8	2666.6	2492.0	2090.8	1788.8	1871.4	2204.1	2456.6	2562.8	2687.9
60°	2775.2	2779.9	2869.6	2798.8	2385.8	2079.0	2171.1	2600.6	2862.5	2945.1	2973.4
62.5°	2827.1	2831.8	2985.2	3032.4	2735.1	2383.5	2513.3	2928.6	3117.4	3221.2	3200.0
65°	2813.0	2831.8	3077.3	3207.1	3027.7	2711.5	2850.7	3237.7	3450.1	3504.4	3339.2
67.5°	2560.4	2619.4	2912.1	3237.7	3181.1	2940.4	3077.3	3454.8	3556.3	3546.9	3197.6
70°	2168.7	2185.2	2536.8	3008.8	3136.3	2930.9	3098.5	3410.0	3428.9	3379.3	2883.7
72.5°	1668.4	1708.5	2027.1	2539.2	2824.8	2720.9	2862.5	3107.9	2992.3	2867.2	2326.8
75°	1224.8	1208.2	1474.9	1972.8	2338.6	2352.8	2492.0	2636.0	2463.7	2362.2	1899.7
77.5°	830.7	870.8	1061.9	1460.8	1838.3	1965.8	2105.0	2123.9	2010.6	1928.0	1453.7
80°	568.7	575.8	719.8	1066.7	1434.8	1614.1	1736.9	1779.3	1616.5	1522.1	1097.3
82.5°	325.7	332.7	455.5	767.0	1125.7	1333.3	1458.4	1446.6	1260.2	1165.8	762.2
85°	181.7	184.1	264.3	474.3	847.2	1066.7	1175.2	1080.8	894.4	807.1	500.3
87.5°	108.6	113.3	158.1	304.4	575.8	826.0	880.2	752.8	578.2	514.4	330.4
90°	68.4	73.2	96.8	179.3	370.5	580.5	597.0	474.3	358.7	323.3	224.2
92.5°	44.8	47.2	63.7	110.9	228.9	365.8	382.3	285.5	221.8	198.2	153.4
95°	35.4	35.4	44.8	75.5	141.6	214.7	231.3	172.3	144.0	129.8	106.2
97.5°	28.3	28.3	35.4	54.3	96.8	134.5	139.2	113.3	96.8	94.4	80.2
100°	23.6	26.0	30.7	42.5	68.4	89.7	89.7	77.9	70.8	70.8	63.7
102.5°	21.2	21.2	26.0	35.4	54.3	68.4	66.1	59.0	54.3	54.3	51.9
105°	21.2	18.9	23.6	28.3	42.5	51.9	49.6	44.8	42.5	40.1	40.1
107.5°	18.9	16.5	18.9	23.6	35.4	42.5	40.1	35.4	33.0	30.7	33.0
110°	16.5	16.5	16.5	21.2	28.3	35.4	33.0	28.3	26.0	26.0	26.0

REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
112.5°	14.2	14.2	14.2	18.9	23.6	28.3	28.3	23.6	21.2	18.9	21.2
115°	14.2	14.2	14.2	16.5	21.2	26.0	23.6	18.9	16.5	16.5	18.9
117.5°	11.8	11.8	11.8	16.5	18.9	21.2	21.2	16.5	14.2	14.2	16.5
120°	11.8	11.8	11.8	14.2	18.9	18.9	18.9	14.2	14.2	14.2	16.5
122.5°	11.8	11.8	11.8	14.2	16.5	18.9	16.5	14.2	11.8	11.8	14.2
125°	11.8	11.8	11.8	14.2	16.5	16.5	14.2	11.8	11.8	11.8	14.2
127.5°	11.8	11.8	11.8	14.2	14.2	14.2	14.2	11.8	11.8	11.8	14.2
130°	11.8	11.8	11.8	11.8	14.2	14.2	11.8	11.8	11.8	11.8	11.8
132.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	9.4	11.8	11.8	11.8
135°	11.8	11.8	11.8	11.8	11.8	11.8	9.4	9.4	9.4	9.4	11.8
137.5°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	11.8
140°	9.4	9.4	9.4	9.4	9.4	9.4	7.1	7.1	7.1	7.1	9.4
142.5°	9.4	9.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
145°	7.1	7.1	7.1	7.1	7.1	7.1	4.7	4.7	4.7	7.1	7.1
147.5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
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: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8	155.8
2.5°	155.8	155.8	153.4	151.0	151.0	151.0	151.0	151.0	148.7	148.7	148.7
5°	158.1	155.8	153.4	151.0	148.7	146.3	144.0	144.0	141.6	141.6	141.6
7.5°	165.2	162.8	155.8	151.0	146.3	144.0	141.6	139.2	136.9	134.5	134.5
10°	177.0	172.3	162.8	155.8	148.7	144.0	139.2	136.9	134.5	134.5	132.2
12.5°	198.2	193.5	179.3	167.6	155.8	148.7	141.6	139.2	139.2	139.2	141.6
15°	233.6	226.5	207.7	191.1	172.3	158.1	153.4	155.8	158.1	160.5	160.5
17.5°	278.5	269.0	247.8	219.5	193.5	177.0	174.6	177.0	181.7	186.4	186.4
20°	330.4	318.6	285.5	252.5	219.5	205.3	198.2	202.9	210.0	219.5	217.1
22.5°	403.5	384.7	344.5	290.3	252.5	233.6	224.2	231.3	245.4	254.9	254.9
25°	486.1	462.5	410.6	337.5	285.5	257.2	252.5	264.3	290.3	304.4	304.4
27.5°	580.5	552.2	481.4	387.0	320.9	283.2	278.5	304.4	337.5	363.4	361.1
30°	691.4	658.4	566.4	438.9	354.0	304.4	309.1	344.5	389.4	420.1	420.1
32.5°	818.9	767.0	649.0	495.6	379.9	323.3	332.7	379.9	434.2	464.9	469.6
35°	939.2	877.9	717.4	538.0	401.2	339.8	351.6	413.0	476.7	514.4	514.4
37.5°	1043.1	977.0	771.7	566.4	410.6	349.3	368.1	438.9	500.3	538.0	538.0
40°	1092.6	1014.7	788.2	571.1	413.0	354.0	377.6	450.7	509.7	540.4	538.0
42.5°	1182.3	1078.5	790.6	545.1	405.9	356.3	382.3	446.0	490.9	505.0	502.7
45°	1302.6	1168.1	802.4	521.5	389.4	351.6	377.6	429.5	455.5	457.8	453.1
47.5°	1458.4	1297.9	818.9	500.3	375.2	344.5	365.8	405.9	420.1	413.0	410.6
50°	1673.1	1446.6	842.5	476.7	365.8	332.7	354.0	389.4	398.8	384.7	382.3
52.5°	1883.2	1595.3	851.9	453.1	356.3	325.7	346.9	382.3	384.7	361.1	358.7
55°	2138.0	1755.7	840.1	427.1	351.6	323.3	346.9	377.6	368.1	344.5	339.8
57.5°	2456.6	1961.0	837.8	403.5	342.2	323.3	349.3	372.9	365.8	349.3	346.9
60°	2654.8	2048.4	800.0	389.4	335.1	328.0	354.0	379.9	370.5	351.6	349.3
62.5°	2796.4	2086.1	743.4	372.9	330.4	328.0	361.1	382.3	368.1	354.0	351.6
65°	2836.6	2048.4	684.4	356.3	323.3	328.0	363.4	379.9	372.9	363.4	363.4
67.5°	2666.6	1878.4	599.4	342.2	313.9	320.9	358.7	382.3	377.6	372.9	370.5
70°	2357.5	1637.7	521.5	323.3	297.3	309.1	351.6	382.3	382.3	379.9	379.9
72.5°	1880.8	1264.9	420.1	302.1	278.5	295.0	342.2	375.2	372.9	370.5	368.1
75°	1508.0	998.2	356.3	273.7	259.6	276.1	328.0	361.1	356.3	356.3	354.0
77.5°	1135.1	755.2	302.1	247.8	236.0	259.6	306.8	337.5	335.1	332.7	328.0
80°	821.2	559.3	257.2	224.2	217.1	238.3	280.8	306.8	306.8	306.8	304.4
82.5°	594.7	413.0	224.2	202.9	198.2	217.1	252.5	273.7	283.2	290.3	285.5
85°	391.7	290.3	198.2	184.1	184.1	200.6	228.9	247.8	261.9	269.0	266.7
87.5°	266.7	221.8	174.6	162.8	167.6	184.1	210.0	224.2	236.0	243.1	240.7
90°	188.8	172.3	148.7	139.2	144.0	165.2	188.8	200.6	205.3	207.7	205.3
92.5°	134.5	127.4	118.0	113.3	120.4	144.0	165.2	169.9	169.9	167.6	162.8
95°	101.5	96.8	94.4	89.7	99.1	120.4	136.9	136.9	136.9	129.8	129.8
97.5°	77.9	77.9	77.9	73.2	80.2	96.8	108.6	106.2	106.2	101.5	101.5
100°	63.7	63.7	63.7	61.4	66.1	77.9	82.6	82.6	85.0	82.6	82.6
102.5°	51.9	51.9	51.9	51.9	54.3	63.7	68.4	66.1	68.4	68.4	68.4
105°	42.5	42.5	44.8	42.5	47.2	54.3	54.3	54.3	56.6	51.9	54.3
107.5°	33.0	35.4	35.4	35.4	40.1	44.8	47.2	44.8	44.8	42.5	42.5
110°	28.3	30.7	30.7	30.7	33.0	37.8	40.1	37.8	35.4	35.4	35.4

REPORT NUMBER: P695896
 CATALOG NUMBER: LXF.LXT-PA16-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.6	26.0	26.0	26.0	28.3	33.0	33.0	30.7	28.3	28.3	28.3
115°	21.2	21.2	23.6	23.6	26.0	28.3	28.3	26.0	23.6	26.0	26.0
117.5°	18.9	18.9	21.2	21.2	21.2	23.6	23.6	21.2	21.2	23.6	23.6
120°	16.5	18.9	18.9	18.9	18.9	21.2	21.2	18.9	18.9	21.2	21.2
122.5°	16.5	16.5	16.5	16.5	18.9	18.9	18.9	16.5	16.5	18.9	18.9
125°	14.2	16.5	16.5	16.5	16.5	16.5	16.5	14.2	16.5	16.5	18.9
127.5°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	16.5	16.5
130°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	11.8	14.2	14.2	14.2
132.5°	14.2	14.2	11.8	11.8	11.8	11.8	11.8	11.8	11.8	14.2	14.2
135°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	14.2	14.2
137.5°	11.8	11.8	9.4	9.4	9.4	9.4	9.4	9.4	11.8	11.8	11.8
140°	9.4	9.4	9.4	7.1	7.1	7.1	9.4	9.4	9.4	9.4	9.4
142.5°	9.4	9.4	7.1	7.1	7.1	7.1	7.1	7.1	9.4	9.4	9.4
145°	7.1	7.1	7.1	4.7	4.7	7.1	7.1	7.1	7.1	7.1	7.1
147.5°	4.7	4.7	4.7	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	2.4	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

(END OF REPORT)