

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: P696026

Luminaire Tested: **LXF.LXT-PA16-827-U-SL3-A**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696026
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-27)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-827-U-SL3-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5155 lumens
Efficiency: N/A
Efficacy: 71.6 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: B1 - U3 - G3

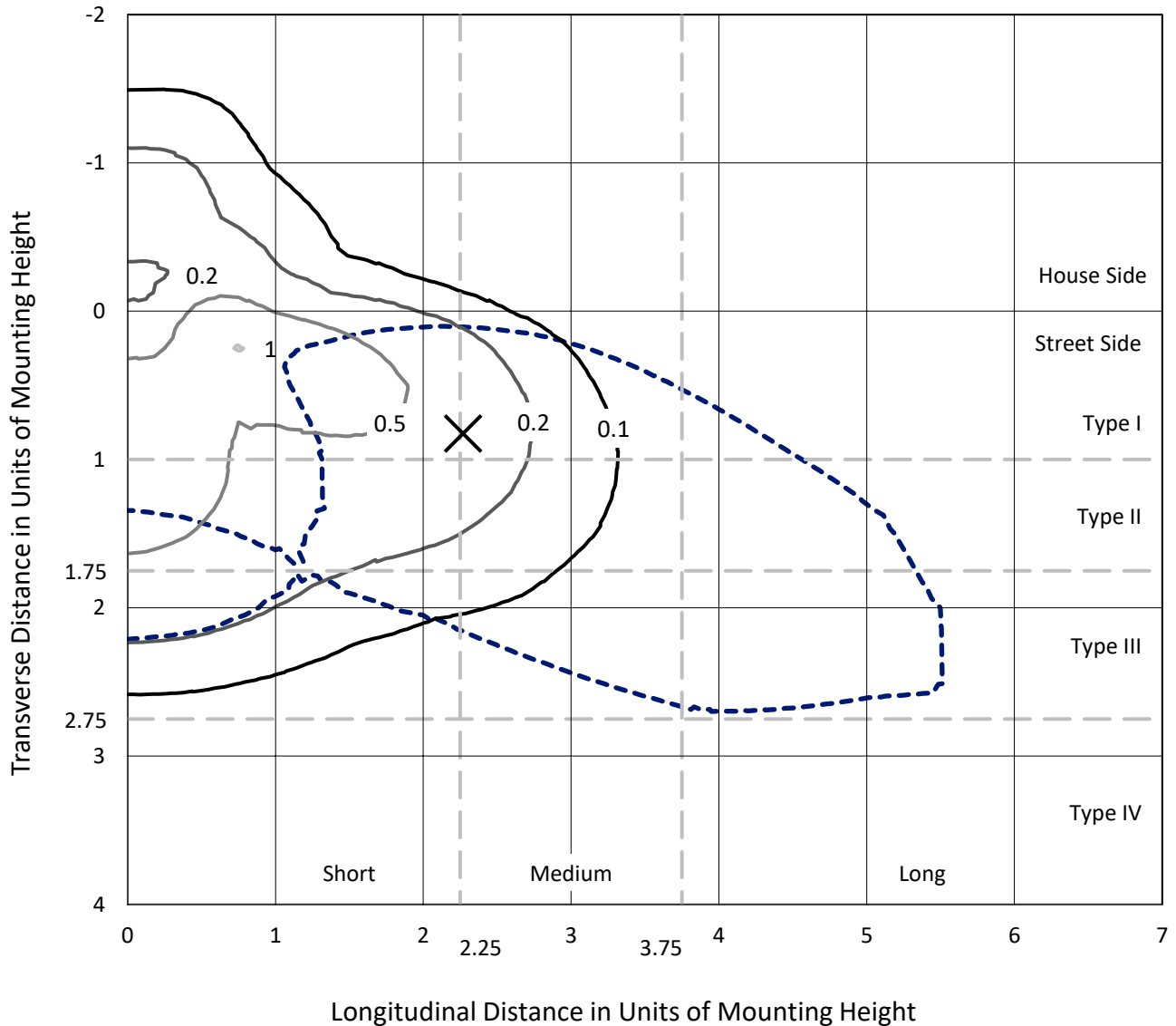
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

Iso-Footcandle Lines of Horizontal Illumination

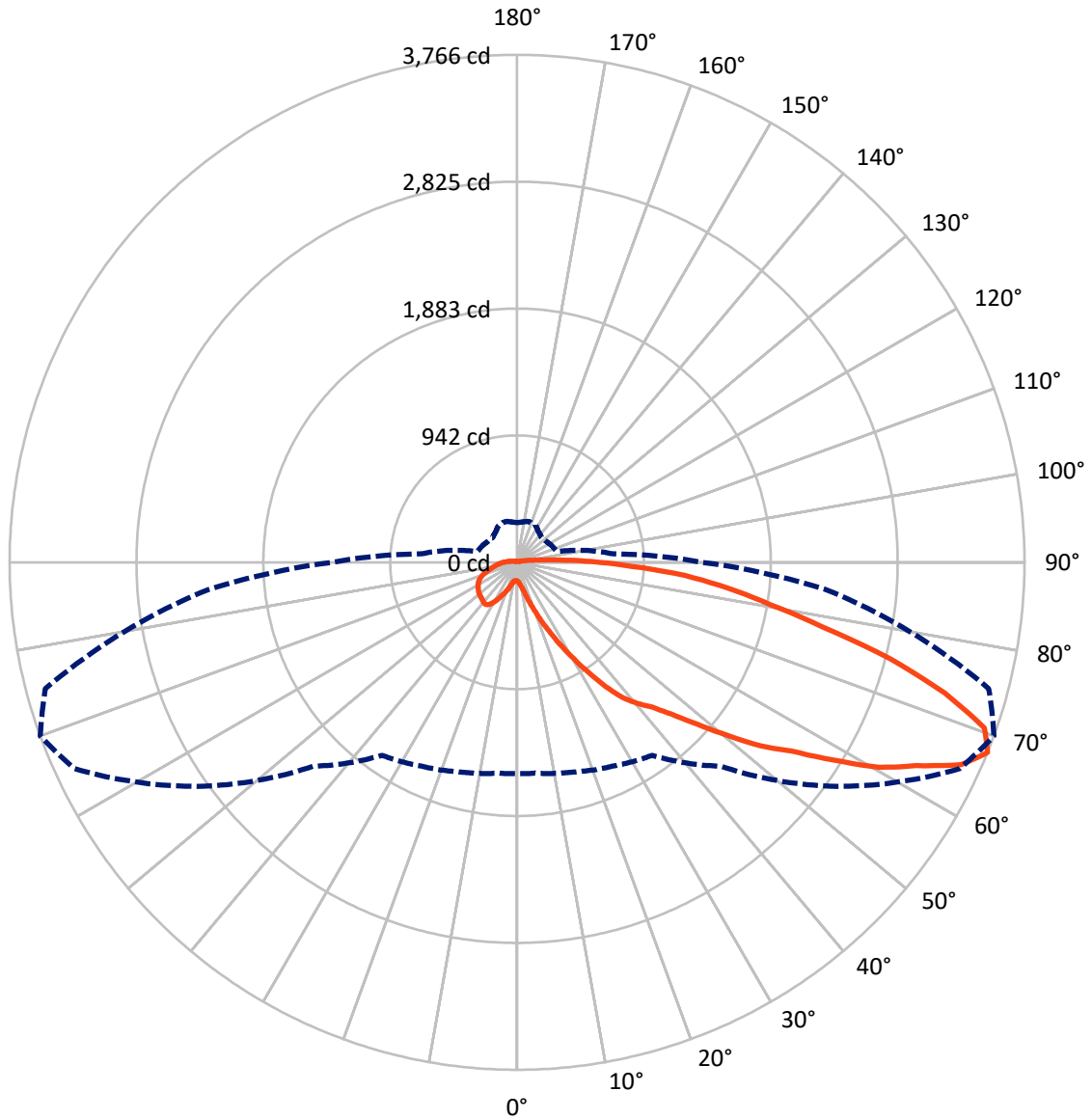
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P696026
CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

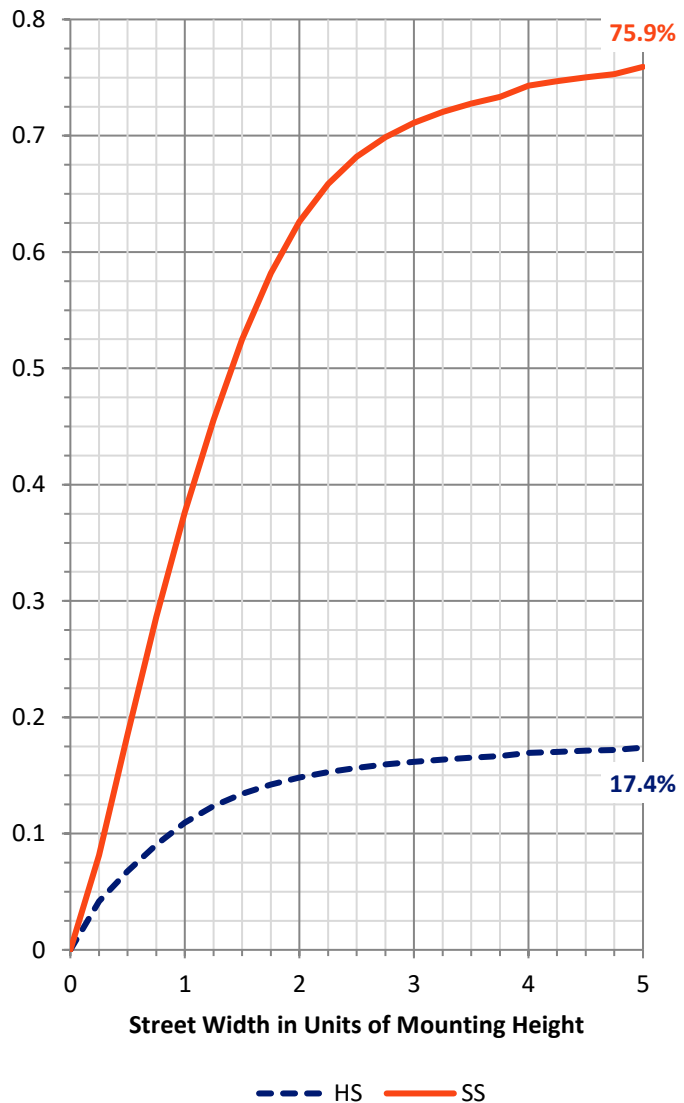
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	941.6	84.1	1025.8
	% Fixture	18.3	1.6	19.9
Street Side	Lumens	4021.8	107.4	4129.2
	% Fixture	78.0	2.1	80.1
Total	Lumens	4963.4	191.5	5155.0
	% Fixture	96.3	3.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.3	0.3
10°-20°	62.8	1.2
20°-30°	185.9	3.6
30°-40°	406.4	7.9
40°-50°	639.6	12.4
50°-60°	989.0	19.2
60°-70°	1321.8	25.6
70°-80°	935.3	18.1
80°-90°	408.4	7.9
90°-100°	115.0	2.2
100°-110°	36.8	0.7
110°-120°	17.9	0.3
120°-130°	11.0	0.2
130°-140°	7.2	0.1
140°-150°	3.4	0.1
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4963.4	96.3
0°-180°	5155.0	100.0

Coefficient of Utilization



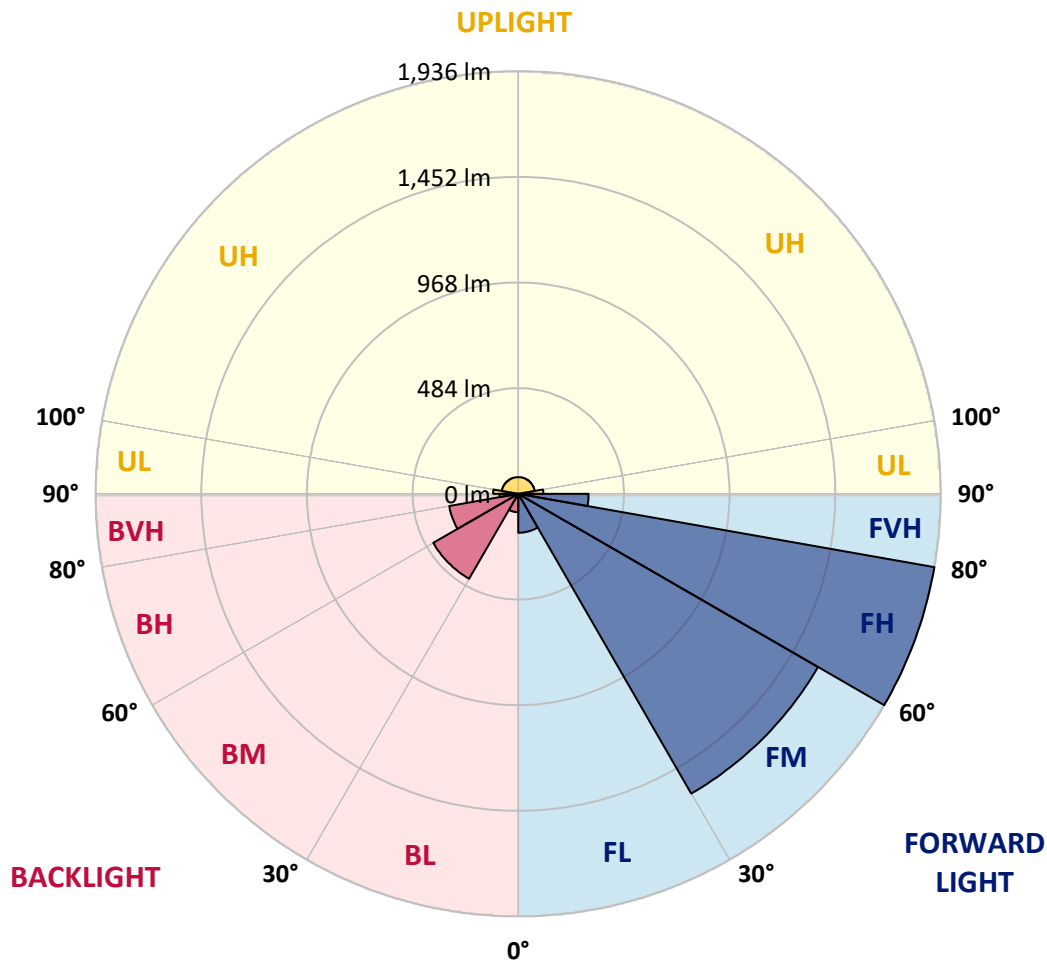
REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.4	3.5			
FM (30°-60°)	1585.3	30.8			
FH (60°-80°)	1935.9	37.6			G2/5000
FVH (80°-90°)	322.2	6.2			G3/500
BL (0°-30°)	84.6	1.6	B0/110		
BM (30°-60°)	449.6	8.7	B1/1000		
BH (60°-80°)	321.2	6.2	B1/500		G1/500
BVH (80°-90°)	86.3	1.7			G1/100
UL (90°-100°)	115.0	2.2		U3/500	
UH (100°-180°)	76.6	1.5		U3/500	

BUG Rating: B1-U3-G3

Type III Medium



REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	148.1	148.1	150.0	148.1	148.1	148.1	146.1	144.2	142.2	142.2	140.3
5°	163.7	163.7	163.7	163.7	161.7	159.8	157.8	153.9	152.0	150.0	146.1
7.5°	183.1	183.1	183.1	183.1	181.2	179.2	173.4	167.6	165.6	163.7	155.9
10°	212.4	212.4	212.4	208.5	206.5	202.6	196.8	190.9	187.0	183.1	171.4
12.5°	251.3	249.4	249.4	245.5	237.7	229.9	227.9	222.1	218.2	214.3	200.7
15°	300.0	300.0	300.0	290.3	282.5	274.7	272.8	266.9	266.9	261.1	243.5
17.5°	354.6	354.6	346.8	337.1	331.2	327.3	329.3	327.3	325.4	317.6	294.2
20°	415.0	413.0	403.3	389.7	381.9	385.8	391.6	397.4	395.5	385.8	352.6
22.5°	492.9	489.0	471.5	452.0	434.5	440.3	459.8	479.3	485.1	469.5	428.6
25°	576.7	576.7	551.4	522.1	500.7	498.8	526.0	580.6	584.5	582.5	524.1
27.5°	687.7	681.9	646.8	604.0	563.0	565.0	607.9	679.9	703.3	701.4	623.4
30°	808.5	806.6	765.7	703.3	633.2	623.4	693.6	802.7	831.9	843.6	738.4
32.5°	902.0	911.8	861.1	800.7	709.2	683.8	771.5	917.6	976.1	980.0	845.5
35°	1007.3	1007.3	958.5	882.6	775.4	742.3	851.4	1042.3	1131.9	1139.7	954.7
37.5°	1050.1	1063.8	1026.7	954.7	837.8	792.9	933.2	1182.6	1274.2	1301.4	1034.5
40°	1106.6	1118.3	1077.4	999.5	888.4	845.5	1003.4	1287.8	1377.4	1391.1	1059.9
42.5°	1215.7	1225.5	1165.1	1056.0	931.3	890.4	1054.0	1357.9	1467.0	1488.5	1102.7
45°	1326.8	1336.5	1282.0	1153.4	985.8	933.2	1102.7	1472.9	1605.4	1624.9	1167.0
47.5°	1476.8	1480.7	1408.6	1262.5	1067.7	983.9	1176.8	1626.8	1792.4	1815.8	1254.7
50°	1640.4	1646.3	1552.8	1389.1	1161.2	1069.6	1282.0	1802.1	2014.5	2051.5	1381.3
52.5°	1804.1	1786.6	1702.8	1533.3	1285.9	1172.9	1404.7	2026.2	2261.9	2283.4	1498.2
55°	1989.2	1961.9	1856.7	1661.9	1424.2	1305.3	1595.6	2242.5	2472.4	2487.9	1626.8
57.5°	2182.1	2156.7	2022.3	1804.1	1564.5	1494.3	1806.0	2480.1	2766.5	2807.5	1823.6
60°	2215.2	2201.5	2104.1	1936.6	1720.3	1698.9	2063.2	2793.8	3090.0	3091.9	1989.2
62.5°	2174.3	2168.4	2078.8	1963.9	1839.2	1911.3	2406.1	3091.9	3323.7	3302.3	2137.2
65°	1977.5	1956.1	1956.1	1899.6	1870.3	2104.1	2708.1	3374.4	3621.8	3555.6	2277.5
67.5°	1568.4	1570.3	1611.2	1669.7	1747.6	2139.2	2899.0	3623.8	3766.0	3623.8	2293.1
70°	1104.7	1133.9	1221.6	1352.1	1506.0	1981.4	2908.8	3594.6	3678.3	3538.1	2191.8
72.5°	808.5	785.2	853.3	972.2	1204.0	1704.7	2659.4	3316.0	3319.8	3113.3	1897.6
75°	547.5	549.4	598.1	701.4	874.8	1387.2	2310.6	2871.7	2860.1	2622.4	1582.0
77.5°	364.3	368.2	413.0	494.9	658.5	1112.5	1932.7	2374.9	2322.3	2160.6	1268.3
80°	249.4	259.1	284.4	342.9	479.3	880.6	1585.9	1948.3	1905.4	1749.5	1022.8
82.5°	179.2	181.2	206.5	251.3	342.9	674.1	1291.7	1634.6	1576.1	1408.6	816.3
85°	136.4	136.4	153.9	185.1	247.4	514.3	1030.6	1301.4	1248.8	1089.1	609.8
87.5°	99.4	101.3	113.0	140.3	183.1	389.7	791.0	935.2	851.4	752.0	418.9
90°	64.3	68.2	76.0	101.3	136.4	276.7	551.4	611.8	555.3	465.6	270.8
92.5°	40.9	40.9	48.7	68.2	99.4	189.0	346.8	362.4	313.7	284.4	165.6
95°	27.3	29.2	35.1	46.8	70.1	128.6	208.5	210.4	185.1	155.9	105.2
97.5°	23.4	23.4	27.3	35.1	52.6	87.7	122.7	118.8	107.2	95.5	74.0
100°	19.5	19.5	23.4	29.2	42.9	64.3	77.9	76.0	70.1	68.2	58.4
102.5°	17.5	17.5	19.5	25.3	35.1	50.7	56.5	52.6	50.7	50.7	44.8
105°	15.6	15.6	17.5	21.4	29.2	40.9	42.9	39.0	39.0	37.0	35.1
107.5°	13.6	13.6	15.6	17.5	25.3	33.1	33.1	29.2	29.2	29.2	29.2
110°	13.6	13.6	13.6	15.6	21.4	27.3	27.3	23.4	23.4	21.4	23.4

REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	11.7	11.7	11.7	15.6	19.5	23.4	21.4	19.5	17.5	17.5	19.5
115°	11.7	9.7	11.7	13.6	17.5	19.5	19.5	15.6	15.6	15.6	17.5
117.5°	9.7	9.7	9.7	11.7	15.6	17.5	15.6	13.6	13.6	13.6	15.6
120°	9.7	9.7	9.7	11.7	15.6	15.6	13.6	11.7	11.7	11.7	13.6
122.5°	9.7	9.7	9.7	11.7	13.6	13.6	13.6	11.7	11.7	11.7	13.6
125°	9.7	9.7	9.7	11.7	13.6	13.6	11.7	9.7	9.7	9.7	13.6
127.5°	9.7	9.7	9.7	11.7	11.7	11.7	9.7	9.7	9.7	9.7	11.7
130°	9.7	9.7	9.7	11.7	11.7	9.7	9.7	9.7	9.7	9.7	11.7
132.5°	9.7	9.7	9.7	11.7	11.7	9.7	9.7	7.8	9.7	9.7	11.7
135°	9.7	9.7	9.7	9.7	9.7	7.8	7.8	7.8	7.8	9.7	9.7
137.5°	9.7	9.7	9.7	9.7	9.7	7.8	5.8	7.8	7.8	7.8	9.7
140°	7.8	7.8	7.8	7.8	7.8	5.8	5.8	5.8	5.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	5.8	5.8	3.9	5.8	5.8	5.8	7.8
145°	5.8	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	5.8	5.8
147.5°	5.8	5.8	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9
150°	3.9	3.9	3.9	3.9	3.9	3.9	1.9	1.9	3.9	3.9	3.9
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: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3	140.3
2.5°	140.3	138.3	138.3	136.4	134.4	134.4	134.4	134.4	132.5	132.5	132.5
5°	144.2	142.2	138.3	134.4	130.5	126.6	126.6	124.7	124.7	122.7	120.8
7.5°	152.0	148.1	140.3	134.4	128.6	122.7	120.8	118.8	116.9	114.9	114.9
10°	167.6	159.8	148.1	136.4	126.6	118.8	114.9	113.0	111.1	109.1	109.1
12.5°	190.9	183.1	163.7	144.2	128.6	118.8	113.0	111.1	109.1	109.1	109.1
15°	229.9	216.3	187.0	159.8	134.4	120.8	114.9	116.9	120.8	120.8	120.8
17.5°	274.7	257.2	214.3	177.3	146.1	130.5	126.6	130.5	134.4	136.4	136.4
20°	327.3	300.0	243.5	194.8	159.8	148.1	144.2	148.1	153.9	157.8	157.8
22.5°	393.5	350.7	274.7	212.4	177.3	165.6	163.7	167.6	175.3	183.1	181.2
25°	469.5	413.0	309.8	231.8	200.7	185.1	187.0	194.8	208.5	216.3	220.2
27.5°	553.3	477.3	344.8	259.1	222.1	206.5	210.4	224.1	245.5	259.1	259.1
30°	642.9	539.7	379.9	286.4	245.5	227.9	235.7	261.1	284.4	302.0	302.0
32.5°	730.6	600.1	407.2	317.6	270.8	249.4	261.1	294.2	325.4	344.8	346.8
35°	798.8	637.1	420.8	340.9	292.2	266.9	282.5	329.3	370.2	391.6	393.5
37.5°	837.8	648.8	422.8	358.5	309.8	282.5	303.9	358.5	403.3	424.7	424.7
40°	831.9	625.4	409.1	368.2	321.5	296.1	323.4	385.8	430.6	446.2	442.3
42.5°	843.6	615.7	399.4	364.3	325.4	303.9	335.1	399.4	436.4	442.3	438.4
45°	857.2	602.0	389.7	360.4	323.4	307.8	340.9	399.4	430.6	428.6	424.7
47.5°	894.3	600.1	383.8	358.5	321.5	305.9	340.9	397.4	420.8	411.1	407.2
50°	944.9	607.9	379.9	354.6	319.5	302.0	337.1	393.5	415.0	405.2	401.3
52.5°	991.7	611.8	372.1	350.7	317.6	300.0	335.1	393.5	411.1	391.6	385.8
55°	1052.1	631.2	362.4	342.9	313.7	296.1	333.2	389.7	393.5	370.2	366.3
57.5°	1163.1	668.3	354.6	333.2	307.8	294.2	329.3	376.0	381.9	360.4	354.6
60°	1244.9	695.5	346.8	325.4	298.1	288.3	319.5	368.2	370.2	340.9	335.1
62.5°	1317.0	715.0	333.2	315.6	292.2	282.5	309.8	350.7	344.8	319.5	317.6
65°	1387.2	730.6	323.4	302.0	280.6	270.8	298.1	327.3	329.3	307.8	303.9
67.5°	1373.5	715.0	303.9	286.4	266.9	257.2	276.7	311.7	313.7	298.1	294.2
70°	1291.7	662.4	280.6	268.9	247.4	237.7	255.2	290.3	296.1	284.4	282.5
72.5°	1118.3	572.8	249.4	243.5	226.0	216.3	233.8	263.0	272.8	263.0	259.1
75°	941.0	483.2	222.1	216.3	204.6	194.8	208.5	235.7	247.4	245.5	245.5
77.5°	754.0	387.7	196.8	192.9	183.1	175.3	187.0	210.4	226.0	227.9	224.1
80°	605.9	315.6	173.4	171.4	165.6	159.8	165.6	185.1	202.6	206.5	204.6
82.5°	487.1	263.0	153.9	153.9	148.1	144.2	148.1	165.6	187.0	194.8	192.9
85°	374.1	216.3	138.3	136.4	132.5	130.5	134.4	146.1	169.5	179.2	179.2
87.5°	272.8	171.4	122.7	118.8	116.9	116.9	118.8	130.5	152.0	159.8	157.8
90°	189.0	132.5	105.2	101.3	99.4	101.3	105.2	114.9	130.5	132.5	132.5
92.5°	128.6	101.3	87.7	83.8	83.8	87.7	91.6	99.4	109.1	107.2	105.2
95°	89.6	76.0	70.1	68.2	68.2	72.1	76.0	83.8	89.6	85.7	83.8
97.5°	66.2	60.4	58.4	56.5	54.6	60.4	62.3	66.2	72.1	70.1	68.2
100°	52.6	50.7	48.7	46.8	44.8	48.7	50.7	54.6	58.4	54.6	54.6
102.5°	42.9	42.9	40.9	39.0	39.0	40.9	42.9	44.8	46.8	44.8	42.9
105°	35.1	35.1	35.1	33.1	33.1	35.1	37.0	37.0	39.0	35.1	35.1
107.5°	29.2	29.2	31.2	29.2	29.2	31.2	31.2	31.2	31.2	29.2	29.2
110°	25.3	25.3	25.3	25.3	25.3	27.3	27.3	27.3	27.3	25.3	23.4

REPORT NUMBER: P696026
 CATALOG NUMBER: LXF.LXT-PA16-827-U-SL3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	21.4	21.4	21.4	21.4	21.4	23.4	23.4	23.4	23.4	21.4	21.4
115°	17.5	19.5	19.5	19.5	19.5	19.5	21.4	19.5	19.5	19.5	19.5
117.5°	15.6	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
120°	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	17.5	17.5
122.5°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	15.6	15.6	15.6
125°	13.6	13.6	13.6	13.6	11.7	11.7	13.6	13.6	13.6	13.6	13.6
127.5°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	13.6
130°	11.7	11.7	11.7	11.7	9.7	9.7	9.7	11.7	11.7	11.7	11.7
132.5°	11.7	11.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	11.7	11.7
135°	9.7	9.7	9.7	9.7	7.8	7.8	9.7	9.7	9.7	9.7	9.7
137.5°	9.7	9.7	7.8	7.8	7.8	7.8	7.8	7.8	9.7	9.7	9.7
140°	7.8	7.8	7.8	5.8	5.8	5.8	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	5.8	5.8	5.8	3.9	3.9	5.8	7.8	7.8	7.8	7.8
145°	5.8	5.8	5.8	3.9	3.9	3.9	5.8	5.8	5.8	5.8	5.8
147.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8	5.8	5.8
150°	3.9	3.9	3.9	1.9	1.9	1.9	3.9	5.8	5.8	3.9	3.9
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)