

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: P695487

Luminaire Tested: **LXF.LXT-PA16-50-827-U-SL3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-827-U-SL3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4236.1 lumens
Efficiency: N/A
Efficacy: 79.8 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 - G2

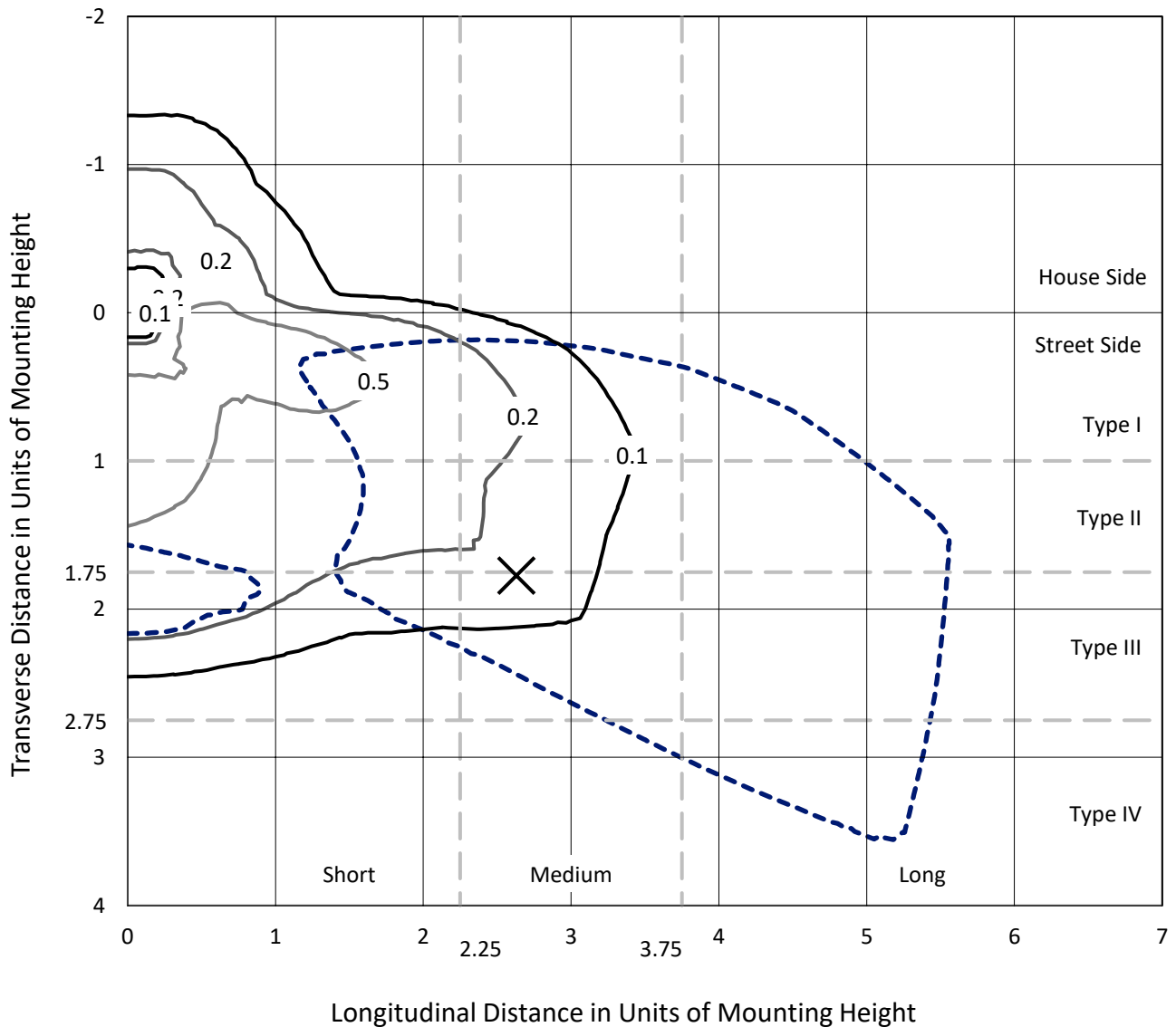
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695487
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

Iso-Footcandle Lines of Horizontal Illumination

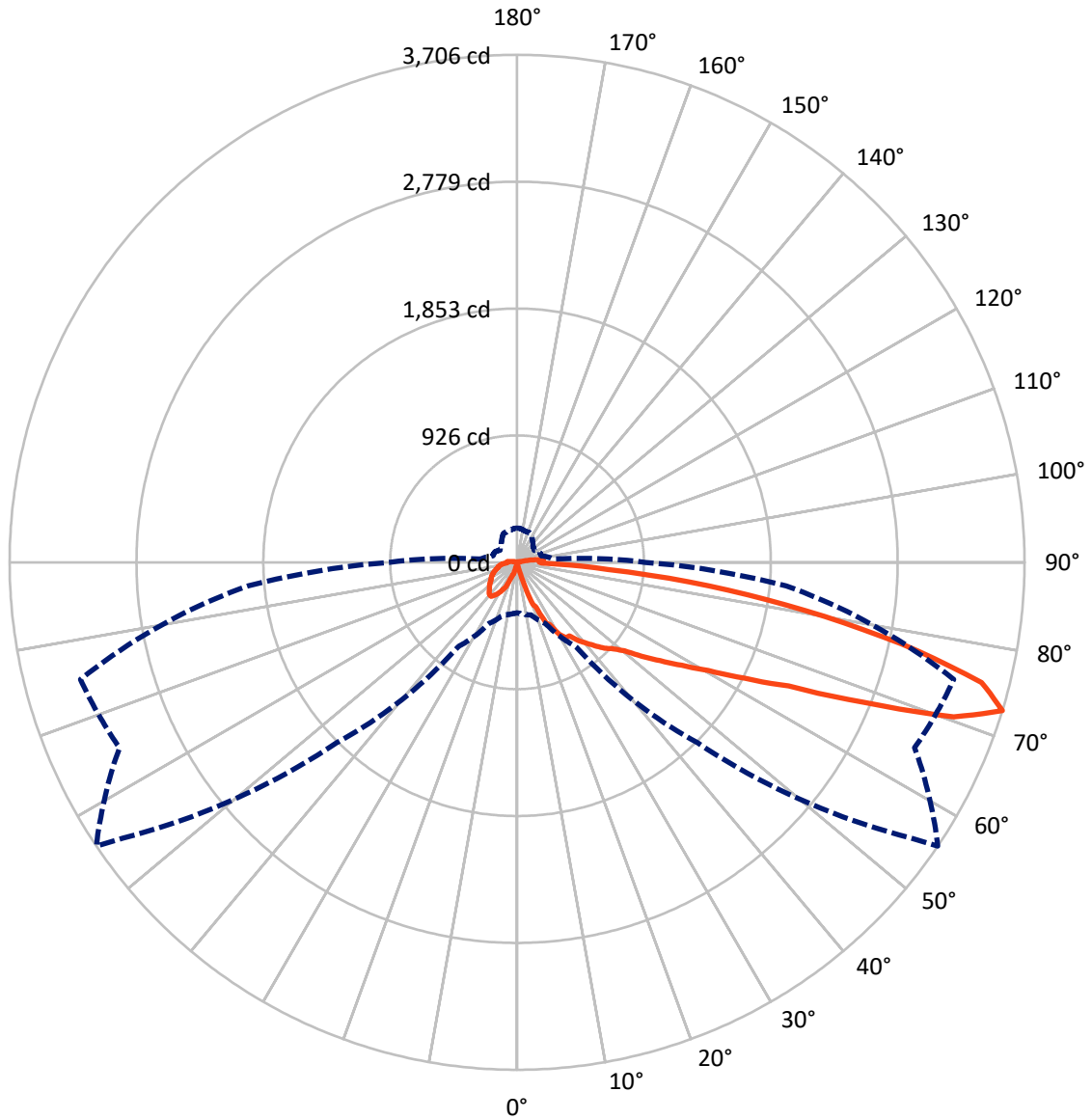
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P695487
CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

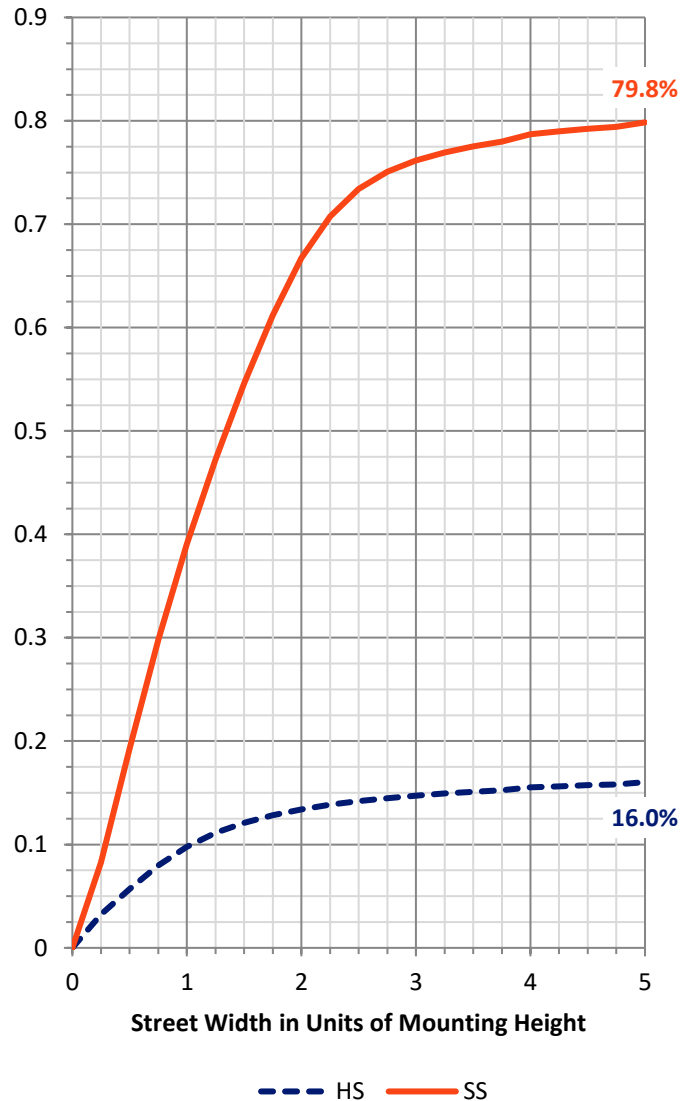
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.6	45.9	769.5
	% Fixture	17.1	1.1	18.2
Street Side	Lumens	3418.2	48.3	3466.5
	% Fixture	80.7	1.1	81.8
Total	Lumens	4141.8	94.2	4236.1
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	34.8	0.8
20°-30°	163.7	3.9
30°-40°	360.5	8.5
40°-50°	540.6	12.8
50°-60°	796.1	18.8
60°-70°	1105.4	26.1
70°-80°	890.6	21.0
80°-90°	249.6	5.9
90°-100°	67.2	1.6
100°-110°	13.0	0.3
110°-120°	5.1	0.1
120°-130°	3.9	0.1
130°-140°	2.7	0.1
140°-150°	2.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4141.8	97.8
0°-180°	4236.1	100.0

Coefficient of Utilization

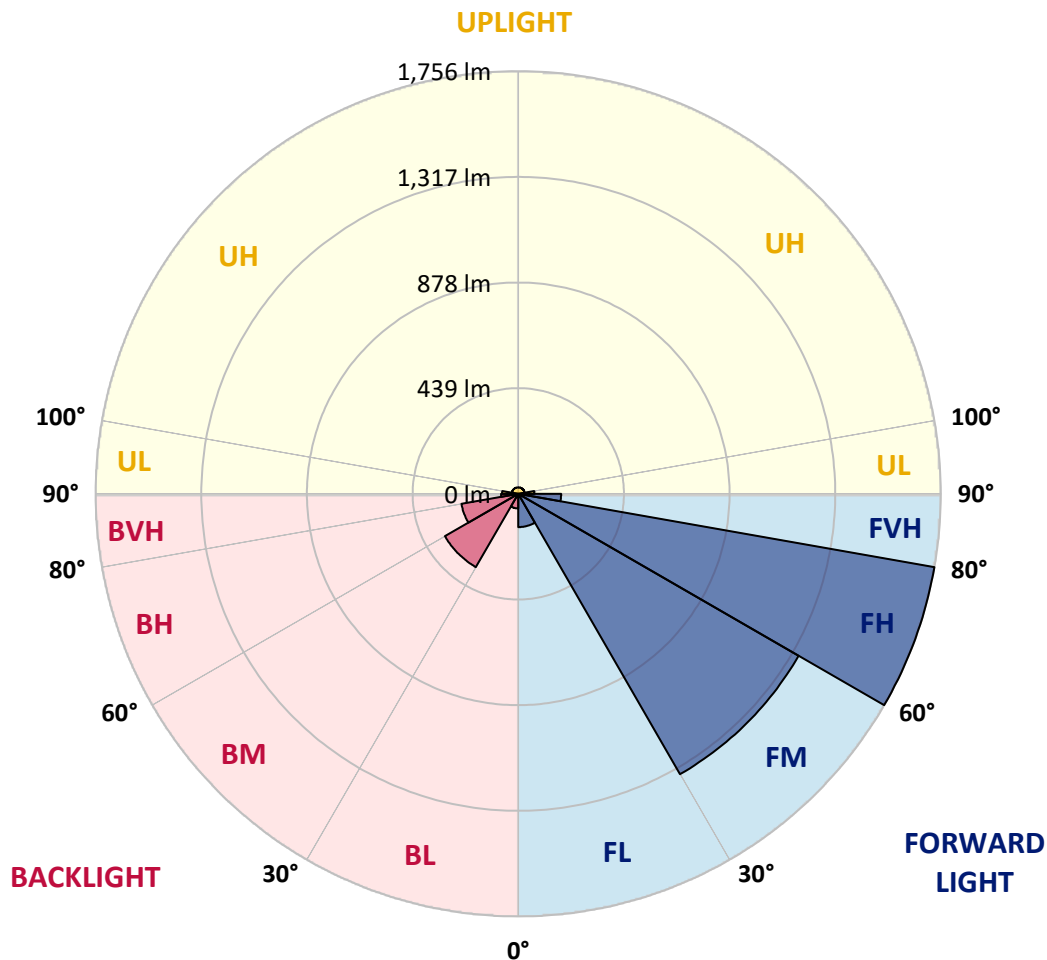


REPORT NUMBER: P695487
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	138.3	3.3			
FM (30°-60°)	1345.4	31.8			
FH (60°-80°)	1756.3	41.5			G1/1800
FVH (80°-90°)	178.1	4.2			G2/225
BL (0°-30°)	60.8	1.4	B0/110		
BM (30°-60°)	351.8	8.3	B1/1000		
BH (60°-80°)	239.6	5.7	B1/500		G1/500
BVH (80°-90°)	71.4	1.7			G1/100
UL (90°-100°)	67.2	1.6		U3/500	
UH (100°-180°)	27.0	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type IV Medium



REPORT NUMBER: P695487

CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	4.7	4.7	6.2	6.2	4.7	4.7	4.7	4.7	4.7
7.5°	7.8	7.8	6.2	6.2	6.2	6.2	6.2	6.2	4.7	4.7	4.7
10°	45.0	43.4	38.8	26.4	15.5	7.8	6.2	6.2	6.2	6.2	7.8
12.5°	197.0	195.4	197.0	184.6	49.6	26.4	12.4	12.4	18.6	24.8	32.6
15°	207.9	209.4	209.4	203.2	203.2	86.9	48.1	66.7	190.8	207.9	203.2
17.5°	273.0	263.7	226.5	217.2	221.8	220.3	190.8	190.8	221.8	234.2	231.1
20°	321.1	321.1	322.6	319.5	237.3	304.0	327.3	328.8	262.1	363.0	392.4
22.5°	359.9	363.0	347.5	335.0	361.4	314.9	355.2	355.2	443.6	497.9	477.7
25°	499.5	497.9	470.0	375.4	375.4	381.6	482.4	491.7	555.3	553.8	532.0
27.5°	575.5	575.5	544.4	488.6	415.7	435.9	496.4	518.1	629.8	800.4	724.4
30°	777.1	780.2	712.0	583.2	502.6	463.8	575.5	614.2	789.5	840.7	752.3
32.5°	836.1	837.6	842.3	746.1	581.7	515.0	628.2	656.1	846.9	1064.1	947.7
35°	853.1	856.2	856.2	788.0	729.0	598.7	639.1	659.2	1008.2	1121.5	949.3
37.5°	909.0	907.4	895.0	815.9	786.4	662.3	705.8	725.9	1074.9	1206.8	944.6
40°	988.1	988.1	967.9	870.2	809.7	727.5	752.3	774.0	1152.5	1307.6	947.7
42.5°	1079.6	1071.8	1048.6	932.2	846.9	767.8	814.3	833.0	1233.2	1434.8	952.4
45°	1189.7	1182.0	1135.4	1019.1	912.1	784.9	859.3	895.0	1324.7	1569.7	980.3
47.5°	1295.2	1292.1	1239.4	1106.0	977.2	809.7	893.5	943.1	1434.8	1741.9	1034.6
50°	1425.5	1410.0	1341.7	1191.3	1036.2	857.8	981.9	1014.4	1551.1	1907.9	1116.8
52.5°	1543.4	1515.5	1444.1	1278.1	1107.5	924.5	1116.8	1138.5	1684.5	2081.6	1211.4
55°	1658.2	1617.8	1520.1	1368.1	1175.8	1002.0	1262.6	1267.3	1836.5	2260.0	1327.8
57.5°	1830.3	1788.5	1647.3	1451.9	1265.7	1101.3	1403.8	1419.3	1987.0	2460.1	1464.3
60°	2069.2	2039.7	1869.1	1650.4	1425.5	1233.2	1572.9	1603.9	2135.9	2660.2	1599.2
62.5°	2160.7	2126.6	1997.9	1845.9	1653.5	1470.5	1782.3	1866.0	2270.9	2861.8	1755.9
65°	1912.6	1912.6	1844.3	1853.6	1796.2	1850.5	2080.1	2177.8	2429.1	3021.6	1890.8
67.5°	1244.0	1250.2	1293.6	1478.2	1683.0	2157.6	2593.5	2728.4	2669.5	3193.8	2004.1
70°	564.6	586.3	680.9	936.9	1281.2	2176.2	3184.5	3381.5	2948.7	3311.7	2044.4
72.5°	369.2	376.9	398.6	494.8	753.9	1864.5	3511.8	3705.7	3203.1	3300.8	1971.5
75°	308.7	304.0	316.4	350.6	380.0	1279.7	3341.1	3502.5	3170.5	3105.4	1794.7
77.5°	255.9	251.3	263.7	282.3	224.9	702.7	2778.1	2871.2	2742.4	2654.0	1464.3
80°	197.0	197.0	203.2	228.0	164.4	341.2	2064.6	2134.4	2030.4	1895.5	876.4
82.5°	134.9	133.4	147.4	175.3	131.8	197.0	1410.0	1411.5	1213.0	922.9	412.6
85°	60.5	60.5	72.9	100.8	77.6	122.5	643.7	667.0	412.6	294.7	184.6
87.5°	20.2	20.2	21.7	24.8	26.4	57.4	179.9	183.0	159.8	181.5	136.5
90°	18.6	18.6	18.6	18.6	20.2	55.8	161.3	161.3	142.7	169.1	136.5
92.5°	18.6	18.6	17.1	15.5	17.1	51.2	178.4	192.3	156.7	176.8	142.7
95°	18.6	18.6	15.5	14.0	15.5	37.2	178.4	190.8	164.4	153.6	128.7
97.5°	12.4	12.4	10.9	10.9	12.4	21.7	130.3	134.9	105.5	77.6	77.6
100°	10.9	10.9	7.8	7.8	9.3	12.4	69.8	74.5	51.2	24.8	24.8
102.5°	10.9	10.9	6.2	6.2	6.2	7.8	20.2	21.7	18.6	10.9	12.4
105°	12.4	12.4	6.2	4.7	4.7	6.2	9.3	9.3	10.9	9.3	12.4
107.5°	10.9	10.9	4.7	4.7	4.7	4.7	4.7	4.7	6.2	9.3	12.4
110°	7.8	6.2	4.7	4.7	3.1	4.7	4.7	4.7	4.7	7.8	10.9

REPORT NUMBER: P695487
 CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-CL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	4.7	4.7	3.1	3.1	3.1	4.7	3.1	3.1	4.7	6.2	9.3
115°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	7.8
117.5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3
120°	4.7	4.7	3.1	1.6	3.1	3.1	3.1	3.1	3.1	6.2	9.3
122.5°	4.7	4.7	3.1	1.6	3.1	3.1	3.1	3.1	3.1	6.2	9.3
125°	4.7	4.7	3.1	1.6	3.1	1.6	3.1	3.1	3.1	6.2	7.8
127.5°	4.7	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	4.7	7.8
130°	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	4.7	7.8
132.5°	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	4.7	6.2
135°	3.1	3.1	1.6	1.6	3.1	3.1	3.1	3.1	3.1	3.1	4.7
137.5°	3.1	3.1	3.1	1.6	3.1	3.1	3.1	3.1	3.1	3.1	4.7
140°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
147.5°	3.1	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7
150°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	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: P695487

CATALOG NUMBER: LXF.LXT-PA16-50-827-U-SL3-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	3.1	3.1	3.1	3.1	4.7	4.7	4.7	4.7	4.7
5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
7.5°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
10°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
12.5°	37.2	32.6	24.8	14.0	6.2	3.1	3.1	3.1	4.7	6.2	6.2
15°	193.9	181.5	145.8	96.2	31.0	7.8	4.7	14.0	43.4	58.9	57.4
17.5°	221.8	203.2	152.0	105.5	85.3	38.8	40.3	72.9	85.3	91.5	90.0
20°	383.1	316.4	187.7	122.5	99.3	93.1	82.2	93.1	105.5	113.2	114.8
22.5°	435.9	363.0	223.4	183.0	127.2	131.8	122.5	117.9	167.5	179.9	183.0
25°	471.5	376.9	234.2	206.3	193.9	153.6	169.1	173.7	193.9	201.6	203.2
27.5°	604.9	443.6	288.5	235.8	217.2	193.9	200.1	200.1	221.8	259.0	260.6
30°	597.2	417.3	302.5	276.1	243.5	228.0	218.7	254.4	282.3	290.1	291.6
32.5°	699.6	451.4	338.1	291.6	271.4	242.0	259.0	279.2	296.3	318.0	330.4
35°	640.6	407.9	352.1	327.3	287.0	265.2	280.8	299.4	356.8	375.4	375.4
37.5°	575.5	372.3	339.7	330.4	308.7	282.3	287.0	338.1	364.5	356.8	356.8
40°	516.5	347.5	328.8	324.2	310.2	282.3	304.0	328.8	353.7	347.5	347.5
42.5°	479.3	331.9	318.0	314.9	304.0	277.7	294.7	324.2	352.1	341.2	339.7
45°	465.3	318.0	310.2	304.0	287.0	266.8	288.5	327.3	349.0	336.6	335.0
47.5°	479.3	310.2	302.5	294.7	273.0	249.7	291.6	322.6	342.8	324.2	321.1
50°	524.3	310.2	293.2	282.3	262.1	249.7	287.0	311.8	327.3	305.6	300.9
52.5°	583.2	316.4	283.9	268.3	251.3	248.2	280.8	305.6	314.9	291.6	290.1
55°	663.9	327.3	271.4	257.5	234.2	242.0	280.8	307.1	304.0	277.7	276.1
57.5°	746.1	339.7	260.6	249.7	223.4	234.2	277.7	308.7	290.1	257.5	257.5
60°	834.5	355.2	246.6	240.4	215.6	223.4	268.3	305.6	276.1	242.0	242.0
62.5°	922.9	363.0	235.8	231.1	206.3	212.5	257.5	296.3	271.4	238.9	238.9
65°	994.3	355.2	224.9	218.7	193.9	200.1	242.0	288.5	263.7	240.4	242.0
67.5°	1034.6	333.5	214.1	209.4	181.5	187.7	223.4	271.4	251.3	238.9	242.0
70°	1016.0	296.3	200.1	193.9	169.1	176.8	206.3	251.3	243.5	238.9	243.5
72.5°	935.3	268.3	183.0	179.9	153.6	164.4	195.4	234.2	234.2	248.2	249.7
75°	833.0	238.9	169.1	166.0	142.7	150.5	190.8	214.1	218.7	237.3	242.0
77.5°	676.3	200.1	148.9	152.0	139.6	139.6	181.5	201.6	206.3	228.0	229.6
80°	414.2	147.4	128.7	136.5	128.7	133.4	170.6	187.7	190.8	220.3	223.4
82.5°	206.3	103.9	110.1	121.0	114.8	131.8	162.9	178.4	193.9	223.4	224.9
85°	105.5	63.6	83.8	97.7	99.3	145.8	159.8	184.6	181.5	201.6	206.3
87.5°	66.7	32.6	48.1	52.7	74.5	138.1	141.2	152.0	148.9	172.2	172.2
90°	65.1	26.4	41.9	40.3	74.5	117.9	108.6	110.1	117.9	145.8	147.4
92.5°	68.2	24.8	43.4	40.3	79.1	93.1	86.9	83.8	93.1	110.1	113.2
95°	60.5	23.3	46.5	43.4	68.2	62.0	55.8	62.0	60.5	60.5	62.0
97.5°	35.7	17.1	45.0	43.4	54.3	32.6	37.2	46.5	35.7	26.4	24.8
100°	15.5	10.9	43.4	41.9	34.1	20.2	31.0	38.8	26.4	10.9	10.9
102.5°	9.3	9.3	31.0	38.8	20.2	10.9	23.3	26.4	15.5	9.3	9.3
105°	9.3	9.3	15.5	23.3	7.8	6.2	10.9	12.4	7.8	7.8	7.8
107.5°	9.3	9.3	7.8	7.8	6.2	6.2	6.2	6.2	6.2	7.8	7.8
110°	9.3	9.3	6.2	7.8	6.2	4.7	4.7	4.7	6.2	7.8	7.8

REPORT NUMBER: P695487
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.8	7.8	6.2	6.2	4.7	4.7	4.7	4.7	6.2	7.8	7.8
115°	7.8	7.8	6.2	4.7	4.7	4.7	4.7	4.7	6.2	7.8	7.8
117.5°	7.8	6.2	4.7	4.7	4.7	4.7	4.7	4.7	6.2	9.3	9.3
120°	7.8	6.2	4.7	4.7	3.1	3.1	4.7	4.7	6.2	9.3	9.3
122.5°	7.8	7.8	4.7	4.7	3.1	3.1	3.1	4.7	6.2	9.3	9.3
125°	7.8	6.2	4.7	4.7	3.1	3.1	3.1	3.1	6.2	9.3	9.3
127.5°	7.8	6.2	4.7	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
130°	6.2	6.2	4.7	3.1	3.1	3.1	3.1	3.1	6.2	7.8	9.3
132.5°	6.2	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	7.8	7.8
135°	4.7	4.7	3.1	3.1	3.1	3.1	3.1	3.1	4.7	6.2	6.2
137.5°	4.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	4.7	4.7	4.7
140°	3.1	3.1	3.1	3.1	1.6	1.6	3.1	3.1	3.1	4.7	4.7
142.5°	3.1	3.1	3.1	3.1	1.6	3.1	3.1	3.1	4.7	4.7	4.7
145°	4.7	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	4.7
147.5°	4.7	3.1	3.1	3.1	1.6	1.6	3.1	3.1	4.7	4.7	4.7
150°	4.7	4.7	3.1	3.1	1.6	1.6	3.1	3.1	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)