

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: P182305

Luminaire Tested: **LXF-F01-LED-E-U-ASYM-BK-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P182305  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P26824)  
Test Lab: INNOVATION CENTER-P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF-F01-LED-E-U-ASYM-BK-7030  
Description: LEXINGTON LED OUTDOOR LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC  
Light Source: (7) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1994.2 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.83')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B1 - U3 - G1

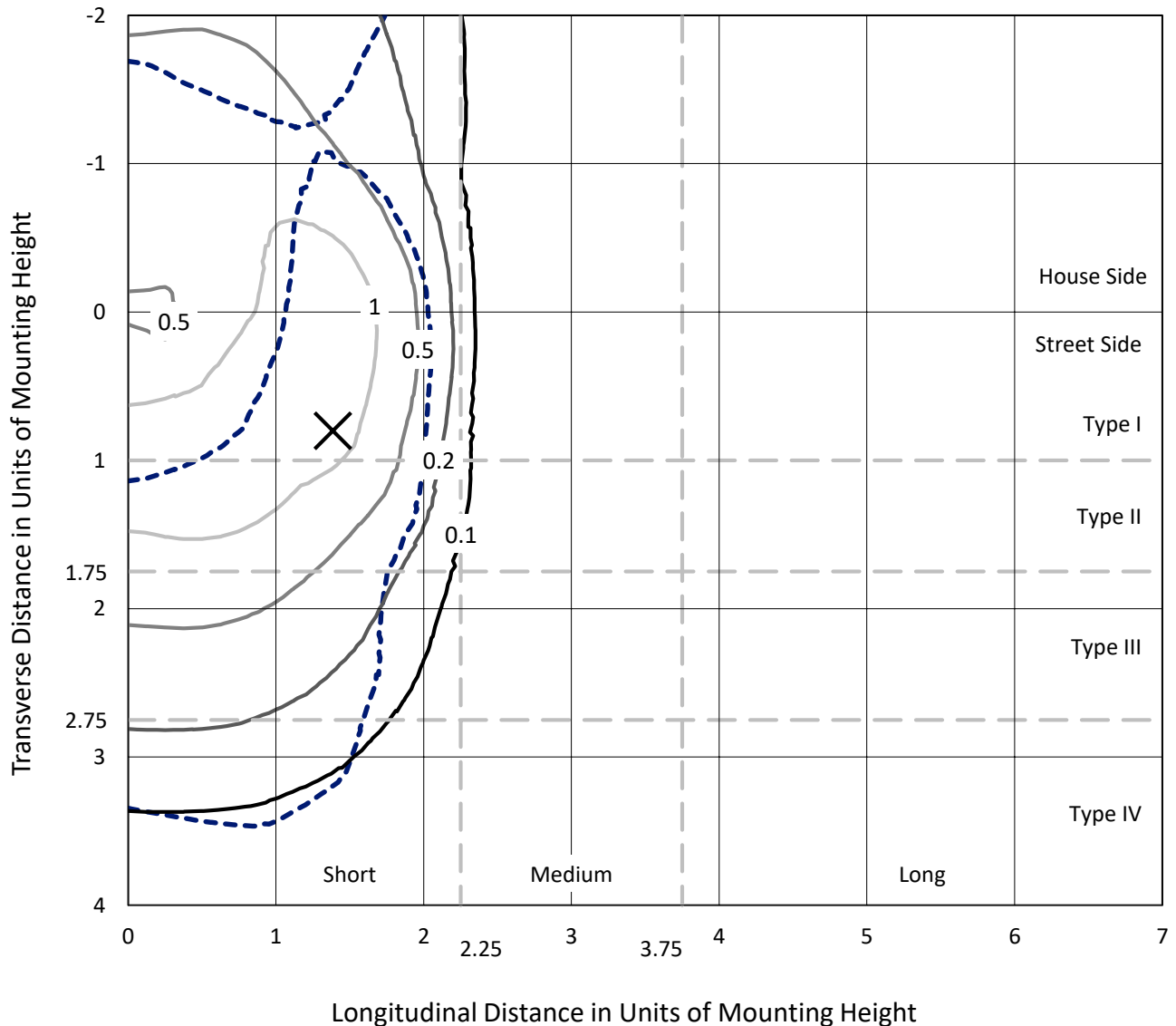
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P182305  
 CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

### Iso-Footcandle Lines of Horizontal Illumination

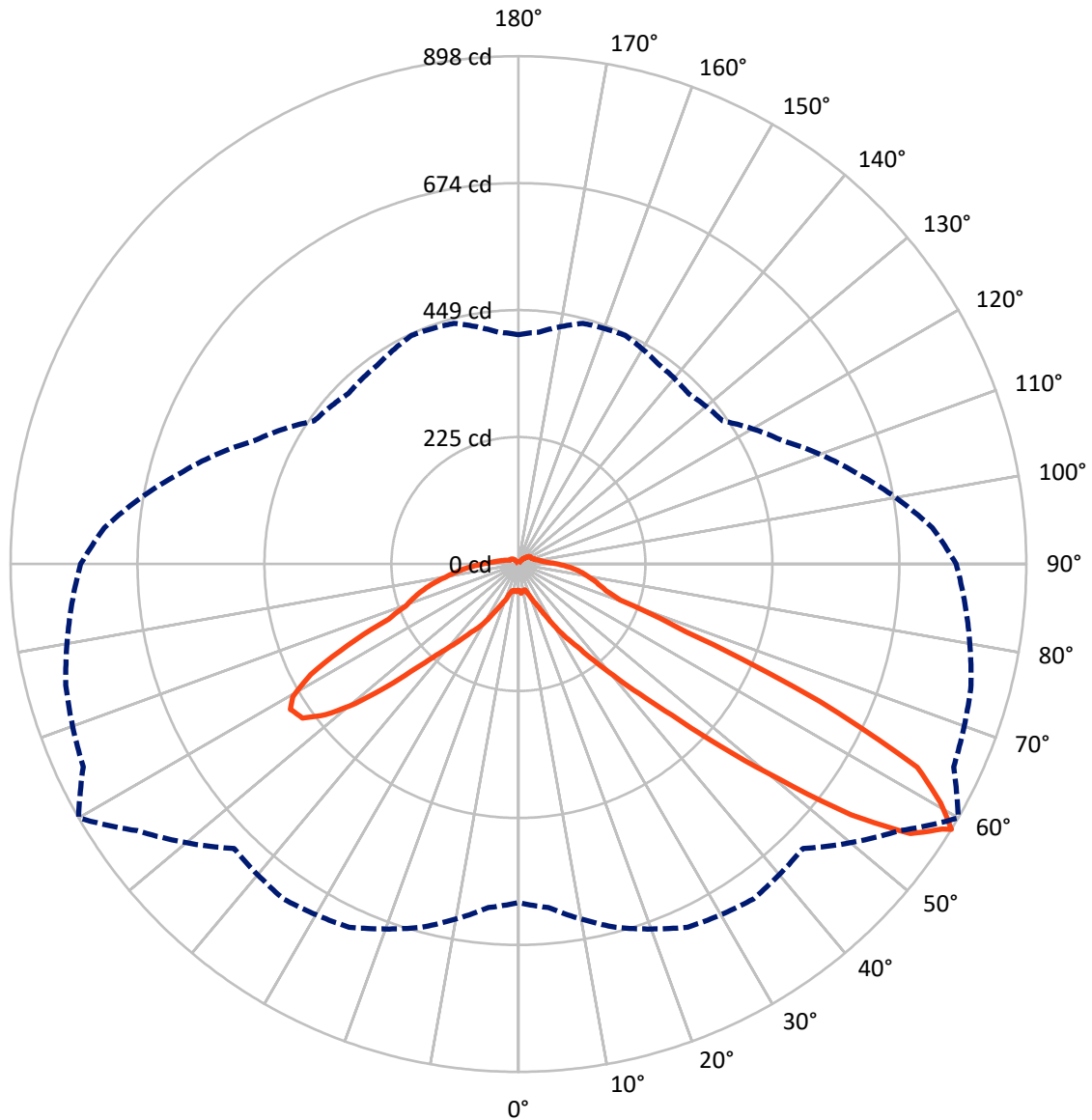
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.7 fc  
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P182305  
CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical



REPORT NUMBER: P182305

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

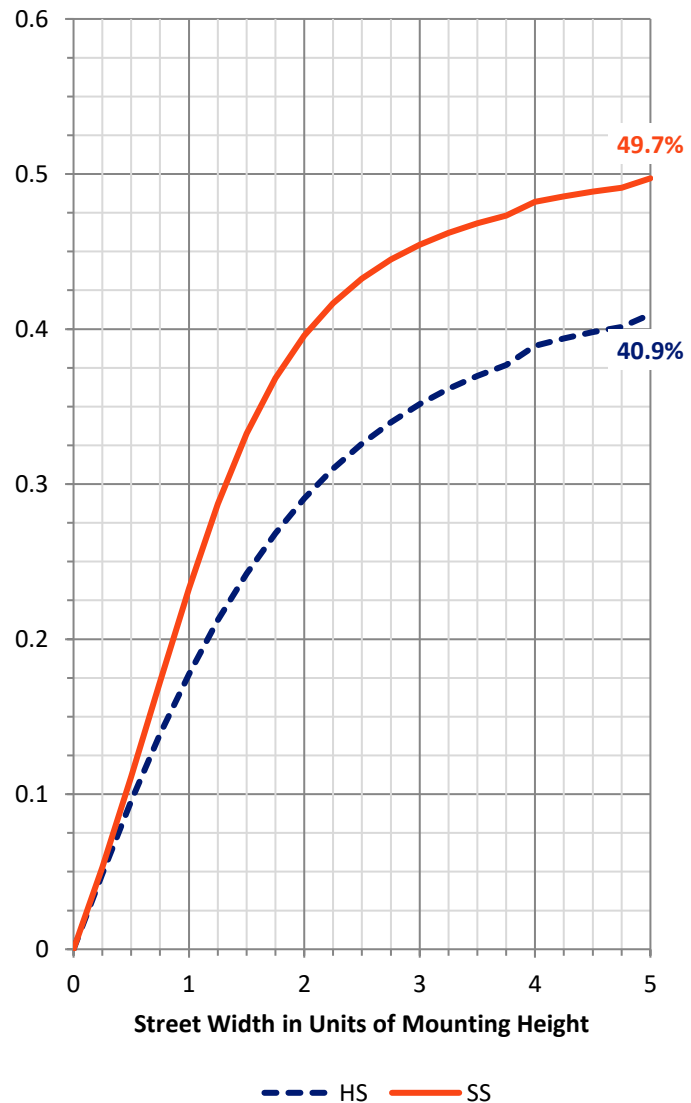
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	852.8	53.1	905.9
	% Fixture	42.8	2.7	45.4
<b>Street Side</b>	Lumens	1030.1	58.2	1088.4
	% Fixture	51.7	2.9	54.6
<b>Total</b>	Lumens	1883.0	111.3	1994.2
	% Fixture	94.4	5.6	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.2
10°-20°	16.8	0.8
20°-30°	45.0	2.3
30°-40°	109.3	5.5
40°-50°	256.4	12.9
50°-60°	513.0	25.7
60°-70°	494.9	24.8
70°-80°	305.4	15.3
80°-90°	137.4	6.9
90°-100°	47.0	2.4
100°-110°	25.2	1.3
110°-120°	16.8	0.8
120°-130°	12.5	0.6
130°-140°	7.4	0.4
140°-150°	2.3	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1883.0	94.4
0°-180°	1994.2	100.0



REPORT NUMBER: P182305

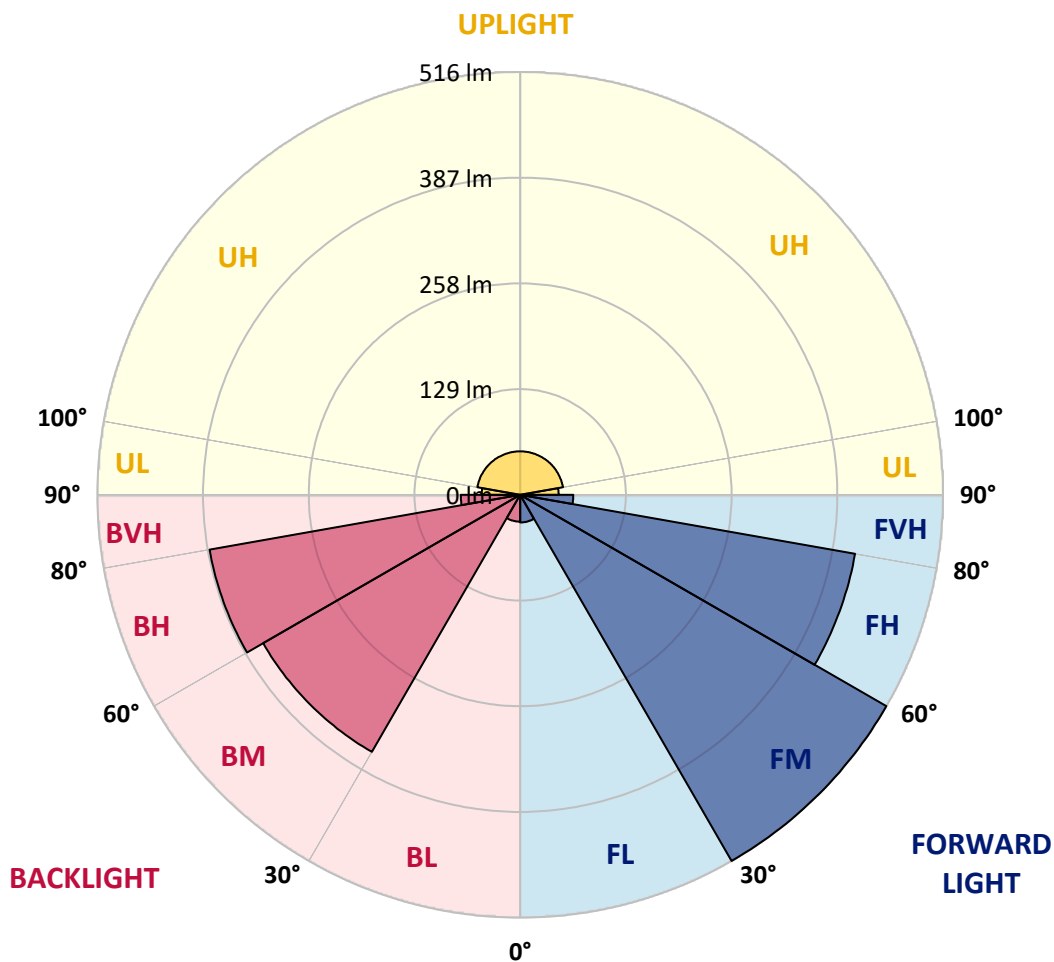
CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	33.8	1.7			
FM	(30°-60°)	516.3	25.9			
FH	(60°-80°)	415.2	20.8			G0/660
FVH	(80°-90°)	64.8	3.3			G1/100
BL	(0°-30°)	32.8	1.6	B0/110		
BM	(30°-60°)	362.4	18.2	B1/1000		
BH	(60°-80°)	385.1	19.3	B1/500		G1/500
BVH	(80°-90°)	72.5	3.6			G1/100
UL	(90°-100°)	47.0	2.4		U2/50	
UH	(100°-180°)	53.1	2.7		U3/500	

**BUG Rating: B1-U3-G1**

Type IV Short





REPORT NUMBER: P182305  
 CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	52.0	51.6	50.1	49.4	48.3	47.9	47.1	47.1	46.7	45.2	44.9
5°	49.8	49.4	47.5	46.7	48.3	49.8	50.9	52.0	50.9	49.0	46.4
7.5°	53.2	53.5	51.3	52.8	54.7	49.0	47.9	49.0	49.4	49.0	46.4
10°	56.5	55.4	53.5	53.5	52.0	52.4	50.1	48.3	47.9	45.6	44.9
12.5°	59.9	58.1	59.6	59.9	57.3	52.0	47.9	47.1	46.4	45.6	46.0
15°	73.1	67.9	69.7	63.7	59.9	53.2	49.8	49.4	49.0	49.0	49.4
17.5°	76.2	72.0	75.0	73.5	63.7	58.4	55.4	55.0	54.3	54.3	55.0
20°	86.0	86.0	87.5	79.9	72.0	68.2	64.5	63.7	62.6	62.6	64.8
22.5°	96.9	93.1	94.2	89.0	85.6	81.4	76.9	73.9	71.6	72.4	72.4
25°	103.7	104.8	105.9	102.9	99.5	94.6	90.1	86.3	84.4	83.3	81.8
27.5°	123.3	123.7	123.3	120.3	117.6	112.0	108.2	105.6	103.7	99.2	97.6
30°	144.0	145.1	145.1	141.4	138.4	131.6	130.4	129.7	126.3	119.5	117.6
32.5°	168.1	168.9	169.3	166.6	160.2	160.2	158.3	155.3	153.8	142.9	134.6
35°	197.5	198.7	198.3	196.0	189.6	181.7	180.6	179.1	177.9	168.9	162.5
37.5°	228.8	229.6	232.6	227.3	218.7	212.6	217.9	216.4	216.0	202.4	190.8
40°	262.4	263.5	268.8	264.3	256.0	253.7	258.2	258.6	259.0	246.9	234.5
42.5°	303.5	303.9	308.0	307.3	300.8	297.5	305.7	313.7	314.8	296.3	280.5
45°	358.5	358.9	367.9	361.9	355.9	343.4	375.5	380.8	393.6	375.5	369.8
47.5°	412.1	413.9	426.4	424.5	420.0	420.0	481.0	482.2	515.7	517.6	494.2
50°	459.2	464.8	487.1	496.5	510.8	519.9	603.6	597.9	633.7	632.6	599.4
52.5°	516.9	523.3	545.9	570.8	591.5	610.0	698.2	737.0	734.8	740.4	705.4
55°	553.1	562.5	609.6	646.5	643.9	679.0	783.0	841.8	811.3	817.7	781.1
57.5°	592.3	602.1	656.0	698.2	711.0	718.2	822.6	884.4	837.3	823.0	809.4
58°	599.0	610.0	665.4	708.8	723.8	711.4	822.6	898.4	849.4	829.0	792.8
60°	620.9	632.2	691.8	741.9	744.9	729.1	841.1	858.4	812.1	763.8	738.9
62.5°	648.8	662.0	717.8	735.5	744.6	699.0	770.6	791.7	714.8	665.8	605.1
65°	633.7	649.2	712.9	725.0	676.7	644.7	637.1	584.7	499.1	381.5	332.9
67.5°	604.7	619.4	664.6	660.9	589.6	464.8	401.1	320.1	242.0	152.3	127.4
70°	542.9	556.1	596.0	571.5	484.8	329.1	234.5	191.5	156.5	112.3	93.1
72.5°	461.1	472.4	500.7	477.7	392.5	273.3	188.9	162.5	138.7	102.9	86.7
75°	385.3	391.7	416.2	401.1	329.9	237.5	170.4	147.8	128.2	99.5	86.7
77.5°	328.7	331.8	346.8	334.8	283.1	208.1	155.3	135.7	119.9	94.2	83.3
80°	257.1	260.9	276.7	279.4	235.6	183.2	138.7	121.8	109.3	86.3	76.5
82.5°	194.5	197.2	212.6	217.5	193.8	154.6	123.3	109.7	98.8	78.8	72.0
85°	131.9	132.7	148.5	161.0	151.2	127.4	108.2	96.1	87.1	70.9	65.2
87.5°	85.2	85.6	96.5	109.7	112.7	101.8	90.5	80.7	73.1	58.4	50.9
90°	58.4	59.2	65.6	74.6	81.4	79.5	73.9	65.6	59.6	46.0	38.1
92.5°	43.7	44.1	47.9	53.9	59.2	61.5	58.8	52.8	46.7	35.8	29.4
95°	34.7	34.3	37.3	41.8	46.4	49.8	49.4	44.5	39.2	30.2	26.4
97.5°	28.3	28.3	30.9	33.9	38.1	42.6	43.4	40.0	36.2	29.0	27.1
100°	24.1	24.1	25.6	28.7	32.4	36.9	38.8	36.6	34.3	28.3	28.3
102.5°	20.4	20.4	21.5	24.5	28.3	32.8	34.7	33.2	31.7	26.4	27.1
105°	17.0	17.0	18.1	20.7	25.3	29.4	31.3	30.5	29.4	23.8	25.6
107.5°	13.9	13.9	15.1	18.1	22.6	27.5	29.4	29.0	27.9	23.0	24.5



REPORT NUMBER: P182305

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	11.7	11.7	12.8	16.2	20.4	24.5	27.5	27.1	26.4	23.8	24.1
112.5°	9.8	9.8	10.9	14.7	18.8	22.6	25.3	25.6	24.9	24.5	23.4
115°	8.7	8.7	9.4	13.6	18.1	22.2	24.9	25.3	24.5	24.5	22.6
117.5°	7.9	7.9	8.7	12.4	17.0	21.1	24.1	25.3	25.3	25.3	23.8
120°	7.5	7.5	7.9	11.3	15.5	19.2	22.6	24.1	24.5	25.3	24.1
122.5°	7.2	7.2	7.2	9.8	14.3	17.7	21.9	23.8	23.8	24.9	23.0
125°	6.8	6.8	6.8	8.3	13.2	17.3	20.7	22.6	23.0	24.1	22.2
127.5°	6.4	6.4	6.4	7.2	11.7	16.2	19.6	20.7	21.1	22.6	21.5
130°	6.0	6.0	6.0	6.0	9.8	14.3	17.3	18.1	18.8	20.4	20.0
132.5°	5.7	5.7	5.3	5.3	8.3	12.1	15.1	15.5	16.6	18.5	18.8
135°	4.9	4.9	4.5	4.5	6.0	10.2	13.2	13.9	15.1	16.2	17.0
137.5°	4.1	4.1	3.8	3.8	4.1	8.3	11.3	12.1	13.6	15.1	15.8
140°	3.4	3.4	3.4	3.0	3.0	6.0	9.4	10.6	12.1	13.6	14.3
142.5°	3.0	2.6	2.6	2.6	2.6	3.8	7.2	9.0	10.2	12.1	12.8
145°	2.3	2.3	2.3	1.9	1.9	2.3	4.9	6.4	7.5	9.8	10.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P182305  
 CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
2.5°	44.5	45.2	46.4	46.4	46.7	46.7	46.7	47.9	49.0	49.0	49.0
5°	47.1	47.9	49.0	49.4	48.6	47.5	46.4	46.4	48.6	49.8	49.8
7.5°	46.4	47.5	48.3	47.9	47.1	49.0	52.4	50.1	48.6	50.1	50.1
10°	45.6	46.0	45.6	47.9	50.9	50.5	49.8	52.0	52.0	53.9	56.5
12.5°	46.4	46.7	46.7	47.5	48.6	51.3	56.2	56.5	55.8	55.8	56.5
15°	49.4	49.8	49.8	50.1	50.9	52.8	59.2	64.1	68.2	66.4	70.1
17.5°	55.4	56.2	56.2	56.5	56.5	59.6	63.7	69.7	74.3	73.9	75.4
20°	65.6	65.6	65.6	65.6	67.1	70.5	73.1	78.0	82.6	81.8	80.3
22.5°	72.0	71.3	72.4	72.0	77.3	80.7	84.8	87.8	92.0	92.7	91.6
25°	81.8	81.4	81.1	81.8	86.7	91.6	97.3	100.7	103.3	104.1	104.1
27.5°	96.5	95.0	94.2	96.5	99.9	105.2	109.7	113.5	117.2	118.4	118.0
30°	115.7	113.9	110.8	116.5	114.6	119.1	123.3	128.6	133.1	134.6	134.2
32.5°	131.6	128.2	125.2	130.8	132.7	134.2	138.7	145.1	150.8	152.3	151.9
35°	154.2	149.3	143.6	144.4	146.3	148.5	156.5	162.9	167.0	168.5	167.8
37.5°	180.6	175.3	166.6	164.0	166.3	165.9	173.0	181.7	186.2	186.6	185.9
40°	218.3	214.9	199.8	193.0	184.0	184.7	191.5	201.7	206.6	208.5	207.0
42.5°	261.3	255.2	237.1	219.4	212.6	207.0	212.6	224.7	232.2	234.1	231.9
45°	357.0	340.8	309.1	274.1	239.8	231.9	237.9	253.0	259.4	257.9	255.2
47.5°	472.4	443.3	395.8	339.7	294.8	263.5	268.0	282.4	289.9	289.2	286.5
50°	570.0	542.9	472.0	410.5	349.1	309.1	303.5	322.0	323.8	312.2	309.5
52.5°	677.8	648.1	570.8	473.5	393.2	358.9	349.9	360.4	350.2	331.8	329.1
55°	752.5	714.0	626.2	509.7	428.6	396.2	393.6	392.8	380.8	361.9	357.4
57.5°	782.3	747.2	636.0	509.3	443.3	424.5	426.0	436.6	431.7	401.9	396.2
58°	774.4	735.1	619.8	515.7	441.1	426.0	431.7	446.4	440.7	411.7	405.6
60°	712.5	691.8	559.1	486.3	440.3	432.0	458.1	485.6	487.8	455.8	450.9
62.5°	570.0	551.9	462.6	427.5	405.3	436.9	487.1	530.1	529.3	492.0	483.3
65°	300.5	300.8	300.5	303.1	366.8	433.5	506.3	564.0	574.9	541.4	531.2
67.5°	119.1	122.9	146.7	199.4	299.7	405.6	515.0	594.1	614.5	581.7	573.8
70°	85.6	90.1	116.9	170.0	256.7	381.5	502.9	600.6	636.0	611.9	607.0
72.5°	78.8	81.8	106.3	155.7	235.2	353.2	487.8	611.5	648.8	629.2	623.2
75°	77.3	79.2	99.5	142.5	210.7	320.4	460.3	572.7	600.6	581.0	569.3
77.5°	75.4	75.8	92.4	128.6	182.1	275.6	389.1	481.4	481.4	459.2	448.2
80°	70.9	70.1	84.1	112.7	154.6	224.3	301.2	353.6	346.1	330.2	318.9
82.5°	66.7	64.8	76.5	98.0	131.6	179.5	220.9	251.1	242.0	229.2	222.1
85°	61.5	59.2	68.6	86.3	110.1	136.5	167.4	183.2	174.5	159.5	156.5
87.5°	49.4	49.0	58.4	73.9	87.5	108.2	125.9	131.6	119.5	104.4	102.2
90°	38.1	39.2	49.0	61.1	70.1	83.3	91.2	87.1	75.4	65.2	62.6
92.5°	30.5	32.0	41.1	50.1	57.3	61.8	63.3	58.1	52.0	46.4	44.9
95°	28.3	28.7	35.4	42.6	46.4	47.9	46.0	41.8	38.8	35.8	34.7
97.5°	29.0	29.0	33.2	37.7	39.2	38.5	36.2	32.4	30.2	27.9	26.8
100°	30.2	29.4	31.3	33.9	33.2	32.0	29.8	26.4	24.1	21.9	21.1
102.5°	29.0	27.9	28.3	29.8	28.7	27.5	25.3	22.2	19.6	17.3	17.0
105°	27.1	26.0	25.3	26.0	25.3	24.1	22.2	18.8	16.2	13.9	13.6
107.5°	25.3	24.1	23.0	23.0	22.6	21.5	19.2	16.6	13.6	11.3	11.3



REPORT NUMBER: P182305

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-7030

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	24.1	22.6	21.1	20.4	20.0	18.8	17.0	14.3	11.3	9.4	9.4
112.5°	23.4	21.9	19.6	18.5	17.7	17.0	15.5	12.8	9.8	8.3	7.9
115°	22.2	20.7	18.5	17.3	16.2	15.5	13.9	11.7	8.7	7.5	7.2
117.5°	22.6	20.7	18.5	17.0	15.5	14.3	12.8	10.6	7.5	6.8	6.8
120°	22.6	20.7	18.1	16.2	15.1	13.6	12.1	9.0	6.8	6.4	6.4
122.5°	21.9	20.7	18.1	15.8	14.3	13.2	10.9	7.9	6.0	6.0	6.0
125°	21.5	20.4	18.5	16.2	14.3	12.4	10.2	6.8	6.0	5.7	5.7
127.5°	21.1	20.0	18.1	15.8	13.6	11.7	8.7	6.0	5.7	5.7	5.7
130°	20.0	19.2	17.3	15.1	12.8	10.6	7.2	5.3	4.9	5.3	5.3
132.5°	18.8	18.1	16.2	13.9	11.3	8.7	6.0	4.9	4.5	4.9	4.9
135°	17.3	16.6	14.7	12.4	9.8	7.5	4.9	4.1	4.1	4.1	4.1
137.5°	15.8	15.8	13.9	10.9	8.7	6.0	3.8	3.4	3.4	3.8	3.8
140°	14.3	14.3	12.4	9.8	7.2	4.5	3.0	3.0	3.0	3.4	3.4
142.5°	12.8	12.8	10.9	8.3	5.7	3.0	2.3	2.3	2.6	2.6	2.6
145°	10.9	10.6	9.0	6.4	3.8	1.9	1.9	1.9	1.9	2.3	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)