

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: P182306

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182306
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
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2183.5 lumens
Efficiency: N/A
Efficacy: 84.3 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

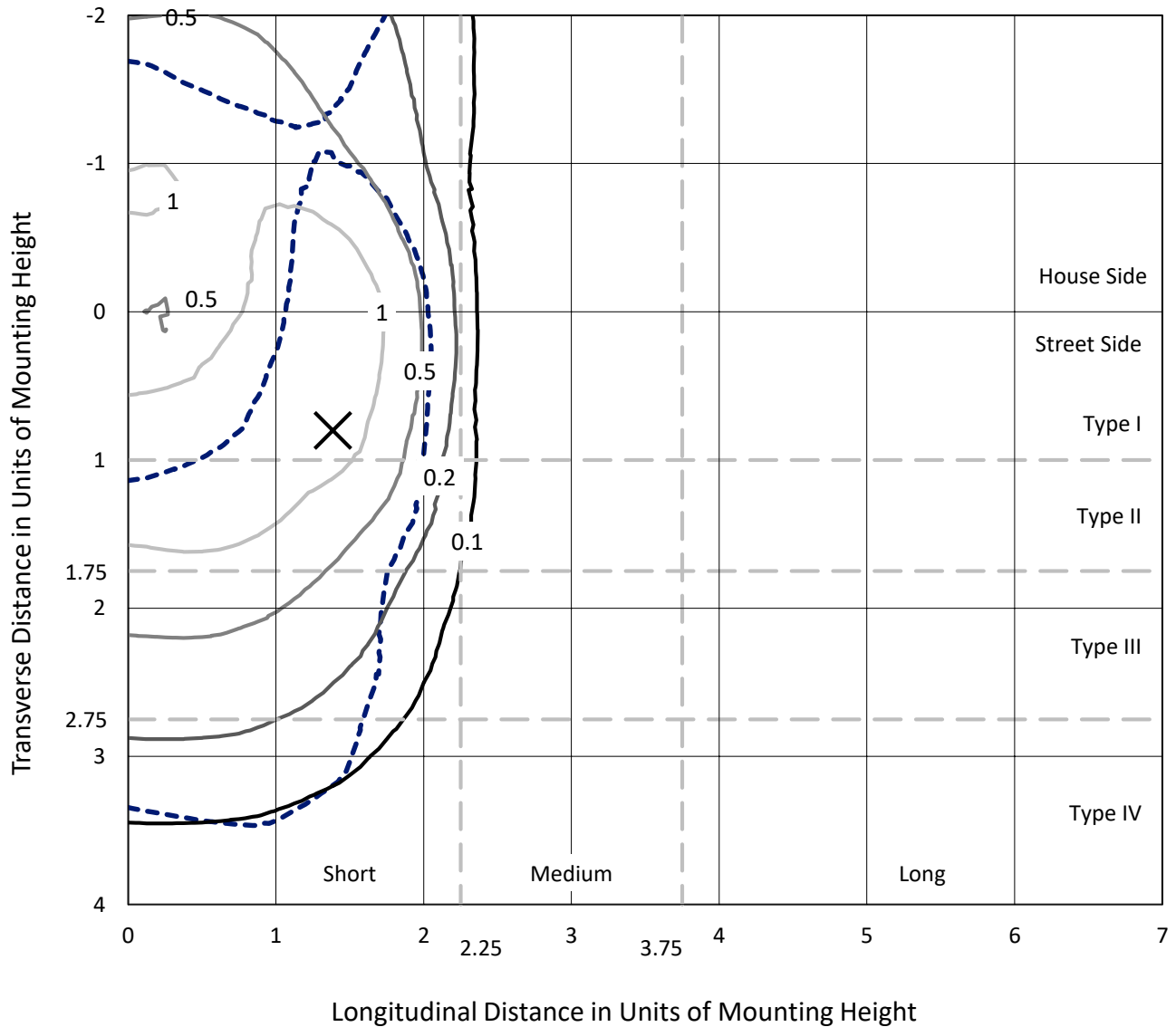
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

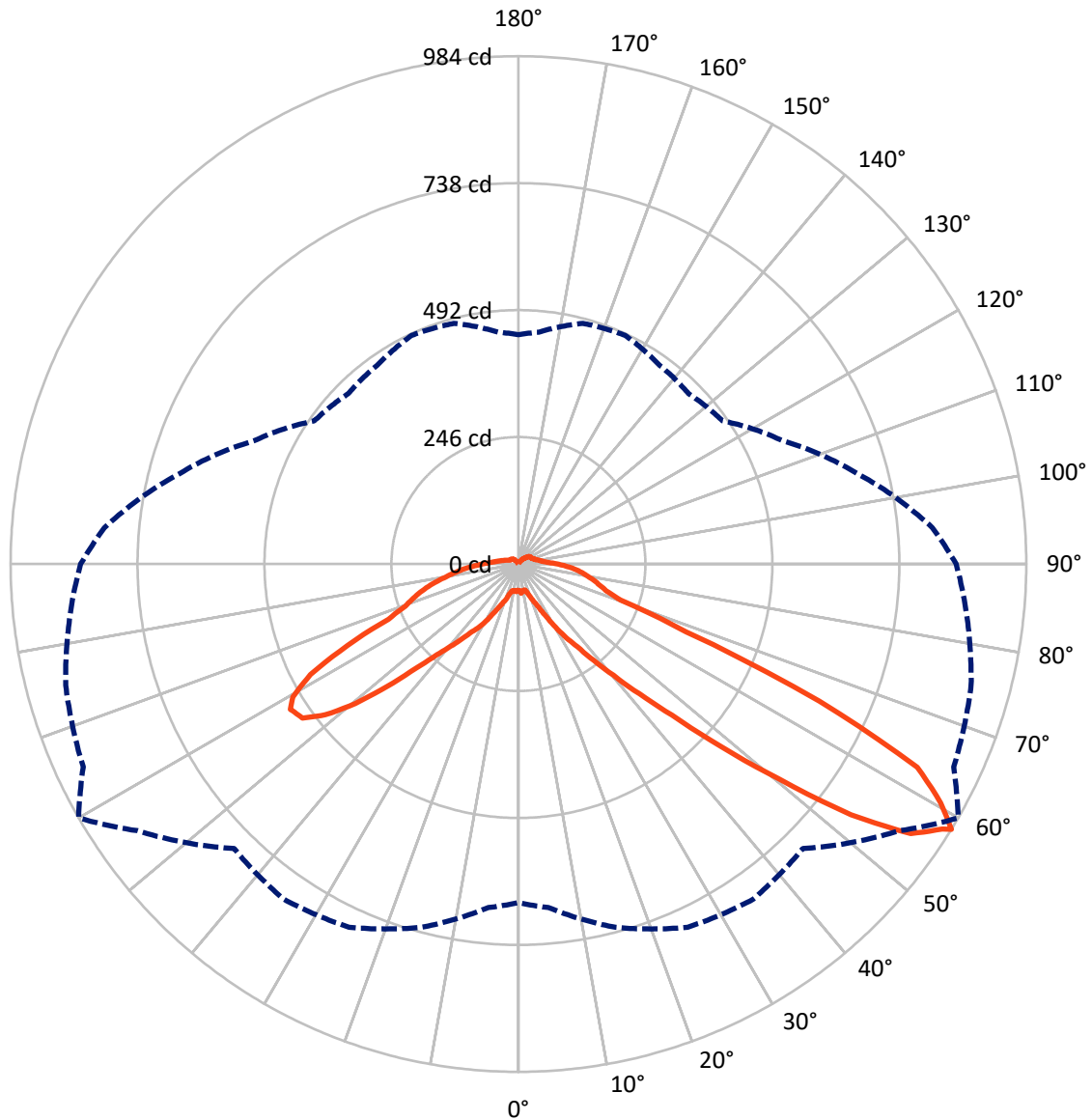
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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

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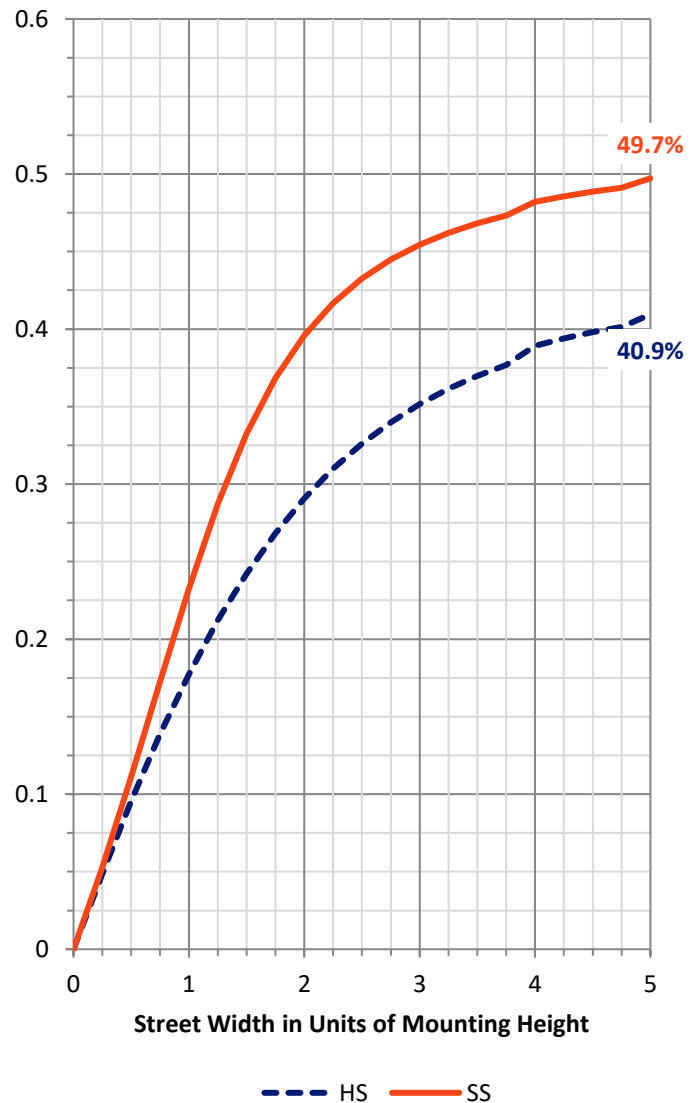
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	933.7	58.1	991.8
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1127.9	63.7	1191.6
	% Fixture	51.7	2.9	54.6
Total	Lumens	2061.6	121.8	2183.5
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.2
10°-20°	18.4	0.8
20°-30°	49.3	2.3
30°-40°	119.7	5.5
40°-50°	280.8	12.9
50°-60°	561.6	25.7
60°-70°	541.9	24.8
70°-80°	334.4	15.3
80°-90°	150.4	6.9
90°-100°	51.5	2.4
100°-110°	27.6	1.3
110°-120°	18.4	0.8
120°-130°	13.7	0.6
130°-140°	8.1	0.4
140°-150°	2.6	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2061.6	94.4
0°-180°	2183.5	100.0



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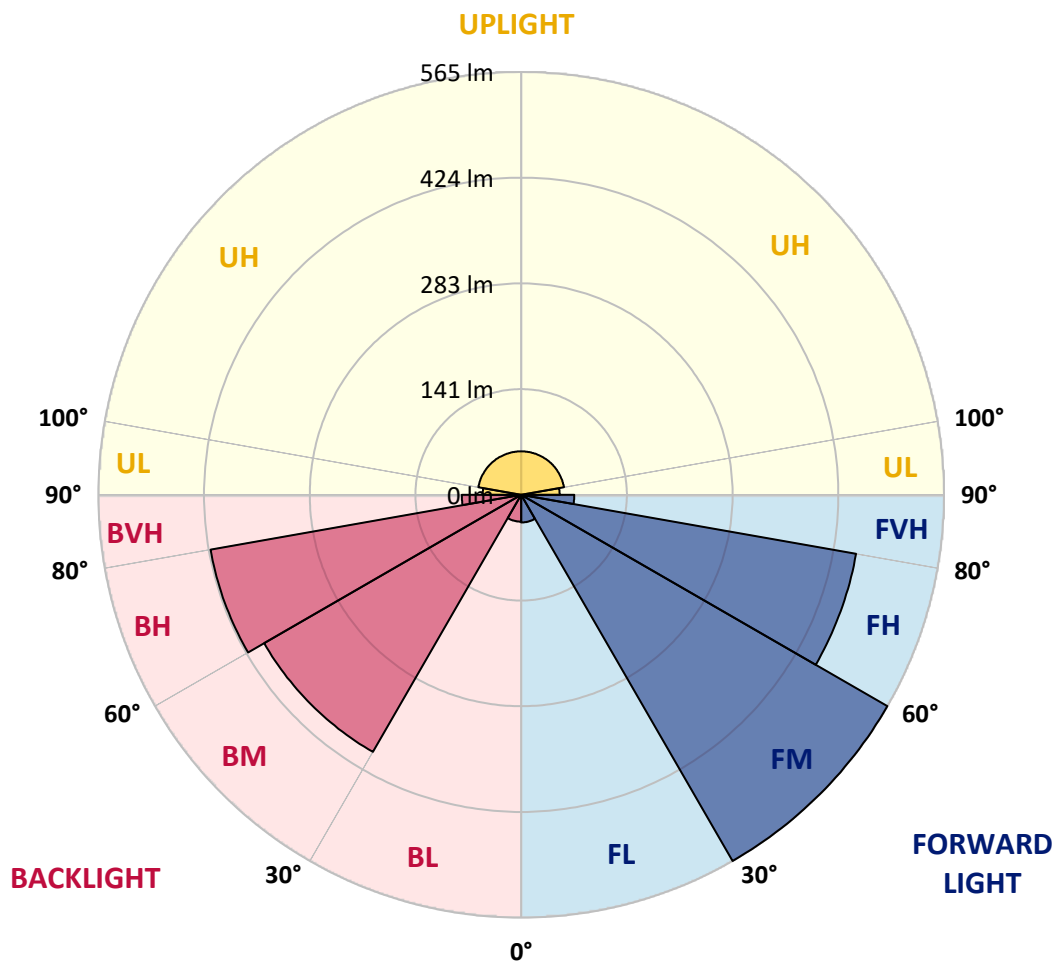
CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	37.0	1.7			
FM (30°-60°)	565.3	25.9			
FH (60°-80°)	454.6	20.8			G0/660
FVH (80°-90°)	71.0	3.3			G1/100
BL (0°-30°)	35.9	1.6	B0/110		
BM (30°-60°)	396.8	18.2	B1/1000		
BH (60°-80°)	421.6	19.3	B1/500		G1/500
BVH (80°-90°)	79.4	3.6			G1/100
UL (90°-100°)	51.5	2.4		U3/500	
UH (100°-180°)	58.1	2.7		U3/500	

BUG Rating: B1-U3-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2.5°	57.0	56.5	54.9	54.1	52.8	52.4	51.6	51.6	51.2	49.5	49.1
5°	54.5	54.1	52.0	51.2	52.8	54.5	55.7	57.0	55.7	53.7	50.8
7.5°	58.2	58.6	56.1	57.8	59.9	53.7	52.4	53.7	54.1	53.7	50.8
10°	61.9	60.7	58.6	58.6	57.0	57.4	54.9	52.8	52.4	49.9	49.1
12.5°	65.6	63.6	65.2	65.6	62.7	57.0	52.4	51.6	50.8	49.9	50.4
15°	80.1	74.3	76.4	69.8	65.6	58.2	54.5	54.1	53.7	53.7	54.1
17.5°	83.4	78.8	82.1	80.5	69.8	64.0	60.7	60.3	59.4	59.4	60.3
20°	94.1	94.1	95.8	87.5	78.8	74.7	70.6	69.8	68.5	68.5	71.0
22.5°	106.1	102.0	103.2	97.4	93.7	89.2	84.2	80.9	78.4	79.3	79.3
25°	113.5	114.7	116.0	112.7	109.0	103.6	98.7	94.5	92.5	91.2	89.6
27.5°	135.0	135.4	135.0	131.7	128.8	122.6	118.5	115.6	113.5	108.6	106.9
30°	157.7	158.9	158.9	154.8	151.5	144.1	142.8	142.0	138.3	130.8	128.8
32.5°	184.1	184.9	185.3	182.4	175.4	175.4	173.4	170.1	168.4	156.4	147.4
35°	216.3	217.5	217.1	214.6	207.6	199.0	197.7	196.1	194.8	184.9	177.9
37.5°	250.5	251.4	254.7	248.9	239.4	232.8	238.6	236.9	236.5	221.7	208.9
40°	287.3	288.5	294.3	289.3	280.3	277.8	282.7	283.2	283.6	270.4	256.7
42.5°	332.3	332.7	337.2	336.4	329.4	325.7	334.8	343.4	344.7	324.4	307.1
45°	392.5	392.9	402.9	396.3	389.6	376.0	411.1	416.9	430.9	411.1	404.9
47.5°	451.1	453.2	466.8	464.8	459.8	459.8	526.7	527.9	564.7	566.7	541.1
50°	502.7	508.9	533.3	543.6	559.3	569.2	660.8	654.6	693.9	692.6	656.3
52.5°	565.9	572.9	597.7	624.9	647.6	667.8	764.4	807.0	804.5	810.7	772.3
55°	605.5	615.8	667.4	707.9	705.0	743.4	857.3	921.7	888.3	895.3	855.2
57.5°	648.4	659.2	718.2	764.4	778.5	786.3	900.6	968.3	916.7	901.1	886.2
58°	655.9	667.8	728.5	776.0	792.5	778.9	900.6	983.6	930.0	907.7	868.0
60°	679.8	692.2	757.4	812.3	815.6	798.3	920.9	939.9	889.1	836.3	809.0
62.5°	710.4	724.8	785.9	805.3	815.2	765.3	843.7	866.8	782.6	728.9	662.5
65°	693.9	710.8	780.5	793.7	740.9	705.8	697.6	640.2	546.5	417.7	364.5
67.5°	662.1	678.2	727.7	723.6	645.6	508.9	439.2	350.4	265.0	166.8	139.5
70°	594.4	608.8	652.6	625.7	530.8	360.3	256.7	209.7	171.3	123.0	102.0
72.5°	504.8	517.2	548.1	523.0	429.7	299.3	206.8	177.9	151.9	112.7	94.9
75°	421.8	428.9	455.7	439.2	361.2	260.0	186.6	161.8	140.3	109.0	94.9
77.5°	359.9	363.2	379.7	366.5	310.0	227.8	170.1	148.6	131.3	103.2	91.2
80°	281.5	285.6	303.0	305.9	258.0	200.6	151.9	133.3	119.7	94.5	83.8
82.5°	213.0	215.9	232.8	238.2	212.2	169.2	135.0	120.1	108.1	86.3	78.8
85°	144.5	145.3	162.6	176.2	165.5	139.5	118.5	105.3	95.3	77.6	71.4
87.5°	93.3	93.7	105.7	120.1	123.4	111.4	99.1	88.3	80.1	64.0	55.7
90°	64.0	64.8	71.8	81.7	89.2	87.1	80.9	71.8	65.2	50.4	41.7
92.5°	47.9	48.3	52.4	59.0	64.8	67.3	64.4	57.8	51.2	39.2	32.2
95°	38.0	37.6	40.9	45.8	50.8	54.5	54.1	48.7	42.9	33.0	28.9
97.5°	31.0	31.0	33.8	37.1	41.7	46.6	47.5	43.8	39.6	31.8	29.7
100°	26.4	26.4	28.1	31.4	35.5	40.5	42.5	40.0	37.6	31.0	31.0
102.5°	22.3	22.3	23.5	26.8	31.0	35.9	38.0	36.3	34.7	28.9	29.7
105°	18.6	18.6	19.8	22.7	27.7	32.2	34.3	33.4	32.2	26.0	28.1
107.5°	15.3	15.3	16.5	19.8	24.8	30.1	32.2	31.8	30.5	25.2	26.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	12.8	12.8	14.0	17.7	22.3	26.8	30.1	29.7	28.9	26.0	26.4
112.5°	10.7	10.7	12.0	16.1	20.6	24.8	27.7	28.1	27.2	26.8	25.6
115°	9.5	9.5	10.3	14.9	19.8	24.4	27.2	27.7	26.8	26.8	24.8
117.5°	8.7	8.7	9.5	13.6	18.6	23.1	26.4	27.7	27.7	27.7	26.0
120°	8.3	8.3	8.7	12.4	16.9	21.1	24.8	26.4	26.8	27.7	26.4
122.5°	7.8	7.8	7.8	10.7	15.7	19.4	23.9	26.0	26.0	27.2	25.2
125°	7.4	7.4	7.4	9.1	14.4	19.0	22.7	24.8	25.2	26.4	24.4
127.5°	7.0	7.0	7.0	7.8	12.8	17.7	21.5	22.7	23.1	24.8	23.5
130°	6.6	6.6	6.6	6.6	10.7	15.7	19.0	19.8	20.6	22.3	21.9
132.5°	6.2	6.2	5.8	5.8	9.1	13.2	16.5	16.9	18.2	20.2	20.6
135°	5.4	5.4	5.0	5.0	6.6	11.1	14.4	15.3	16.5	17.7	18.6
137.5°	4.5	4.5	4.1	4.1	4.5	9.1	12.4	13.2	14.9	16.5	17.3
140°	3.7	3.7	3.7	3.3	3.3	6.6	10.3	11.6	13.2	14.9	15.7
142.5°	3.3	2.9	2.9	2.9	2.9	4.1	7.8	9.9	11.1	13.2	14.0
145°	2.5	2.5	2.5	2.1	2.1	2.5	5.4	7.0	8.3	10.7	11.6
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
2.5°	48.7	49.5	50.8	50.8	51.2	51.2	51.2	52.4	53.7	53.7	53.7
5°	51.6	52.4	53.7	54.1	53.2	52.0	50.8	50.8	53.2	54.5	54.5
7.5°	50.8	52.0	52.8	52.4	51.6	53.7	57.4	54.9	53.2	54.9	54.9
10°	49.9	50.4	49.9	52.4	55.7	55.3	54.5	57.0	57.0	59.0	61.9
12.5°	50.8	51.2	51.2	52.0	53.2	56.1	61.5	61.9	61.1	61.1	61.9
15°	54.1	54.5	54.5	54.9	55.7	57.8	64.8	70.2	74.7	72.6	76.8
17.5°	60.7	61.5	61.5	61.9	61.9	65.2	69.8	76.4	81.3	80.9	82.6
20°	71.8	71.8	71.8	71.8	73.5	77.2	80.1	85.4	90.4	89.6	87.9
22.5°	78.8	78.0	79.3	78.8	84.6	88.3	92.9	96.2	100.7	101.5	100.3
25°	89.6	89.2	88.7	89.6	94.9	100.3	106.5	110.2	113.1	113.9	113.9
27.5°	105.7	104.0	103.2	105.7	109.4	115.2	120.1	124.2	128.4	129.6	129.2
30°	126.7	124.7	121.4	127.5	125.5	130.4	135.0	140.8	145.7	147.4	146.9
32.5°	144.1	140.3	137.0	143.2	145.3	146.9	151.9	158.9	165.1	166.8	166.3
35°	168.8	163.5	157.3	158.1	160.2	162.6	171.3	178.3	182.9	184.5	183.7
37.5°	197.7	191.9	182.4	179.6	182.0	181.6	189.5	199.0	203.9	204.3	203.5
40°	239.0	235.3	218.8	211.3	201.4	202.3	209.7	220.8	226.2	228.3	226.6
42.5°	286.0	279.4	259.6	240.2	232.8	226.6	232.8	246.0	254.3	256.3	253.8
45°	390.9	373.1	338.5	300.1	262.5	253.8	260.5	277.0	284.0	282.3	279.4
47.5°	517.2	485.4	433.4	371.9	322.8	288.5	293.5	309.2	317.4	316.6	313.7
50°	624.1	594.4	516.8	449.5	382.2	338.5	332.3	352.5	354.6	341.8	338.9
52.5°	742.1	709.5	624.9	518.4	430.5	392.9	383.0	394.6	383.5	363.2	360.3
55°	823.9	781.8	685.6	558.1	469.3	433.8	430.9	430.1	416.9	396.3	391.3
57.5°	856.5	818.1	696.3	557.6	485.4	464.8	466.4	478.0	472.6	440.0	433.8
58°	847.8	804.9	678.6	564.7	482.9	466.4	472.6	488.7	482.5	450.7	444.1
60°	780.1	757.4	612.1	532.5	482.1	473.0	501.5	531.6	534.1	499.0	493.7
62.5°	624.1	604.3	506.5	468.1	443.7	478.4	533.3	580.3	579.5	538.7	529.2
65°	329.0	329.4	329.0	331.9	401.6	474.7	554.3	617.5	629.5	592.7	581.6
67.5°	130.4	134.6	160.6	218.4	328.1	444.1	563.8	650.5	672.8	636.9	628.2
70°	93.7	98.7	128.0	186.2	281.1	417.7	550.6	657.5	696.3	669.9	664.5
72.5°	86.3	89.6	116.4	170.5	257.6	386.8	534.1	669.5	710.4	688.9	682.3
75°	84.6	86.7	109.0	156.0	230.7	350.8	504.0	627.0	657.5	636.1	623.3
77.5°	82.6	83.0	101.1	140.8	199.4	301.7	426.0	527.1	527.1	502.7	490.8
80°	77.6	76.8	92.0	123.4	169.2	245.6	329.8	387.2	378.9	361.6	349.2
82.5°	73.1	71.0	83.8	107.3	144.1	196.5	241.9	274.9	265.0	251.0	243.1
85°	67.3	64.8	75.1	94.5	120.5	149.4	183.3	200.6	191.1	174.6	171.3
87.5°	54.1	53.7	64.0	80.9	95.8	118.5	137.9	144.1	130.8	114.3	111.9
90°	41.7	42.9	53.7	66.9	76.8	91.2	99.9	95.3	82.6	71.4	68.5
92.5°	33.4	35.1	45.0	54.9	62.7	67.7	69.3	63.6	57.0	50.8	49.1
95°	31.0	31.4	38.8	46.6	50.8	52.4	50.4	45.8	42.5	39.2	38.0
97.5°	31.8	31.8	36.3	41.3	42.9	42.1	39.6	35.5	33.0	30.5	29.3
100°	33.0	32.2	34.3	37.1	36.3	35.1	32.6	28.9	26.4	23.9	23.1
102.5°	31.8	30.5	31.0	32.6	31.4	30.1	27.7	24.4	21.5	19.0	18.6
105°	29.7	28.5	27.7	28.5	27.7	26.4	24.4	20.6	17.7	15.3	14.9
107.5°	27.7	26.4	25.2	25.2	24.8	23.5	21.1	18.2	14.9	12.4	12.4



REPORT NUMBER: P182306

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

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	26.4	24.8	23.1	22.3	21.9	20.6	18.6	15.7	12.4	10.3	10.3
112.5°	25.6	23.9	21.5	20.2	19.4	18.6	16.9	14.0	10.7	9.1	8.7
115°	24.4	22.7	20.2	19.0	17.7	16.9	15.3	12.8	9.5	8.3	7.8
117.5°	24.8	22.7	20.2	18.6	16.9	15.7	14.0	11.6	8.3	7.4	7.4
120°	24.8	22.7	19.8	17.7	16.5	14.9	13.2	9.9	7.4	7.0	7.0
122.5°	23.9	22.7	19.8	17.3	15.7	14.4	12.0	8.7	6.6	6.6	6.6
125°	23.5	22.3	20.2	17.7	15.7	13.6	11.1	7.4	6.6	6.2	6.2
127.5°	23.1	21.9	19.8	17.3	14.9	12.8	9.5	6.6	6.2	6.2	6.2
130°	21.9	21.1	19.0	16.5	14.0	11.6	7.8	5.8	5.4	5.8	5.8
132.5°	20.6	19.8	17.7	15.3	12.4	9.5	6.6	5.4	5.0	5.4	5.4
135°	19.0	18.2	16.1	13.6	10.7	8.3	5.4	4.5	4.5	4.5	4.5
137.5°	17.3	17.3	15.3	12.0	9.5	6.6	4.1	3.7	3.7	4.1	4.1
140°	15.7	15.7	13.6	10.7	7.8	5.0	3.3	3.3	3.3	3.7	3.7
142.5°	14.0	14.0	12.0	9.1	6.2	3.3	2.5	2.5	2.9	2.9	2.9
145°	12.0	11.6	9.9	7.0	4.1	2.1	2.1	2.1	2.1	2.5	2.5
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)