

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: P182304

Luminaire Tested: **LXF-F01-LED-E-U-ASYM-BK-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182304
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-8030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1842.8 lumens
Efficiency: N/A
Efficacy: 71.2 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

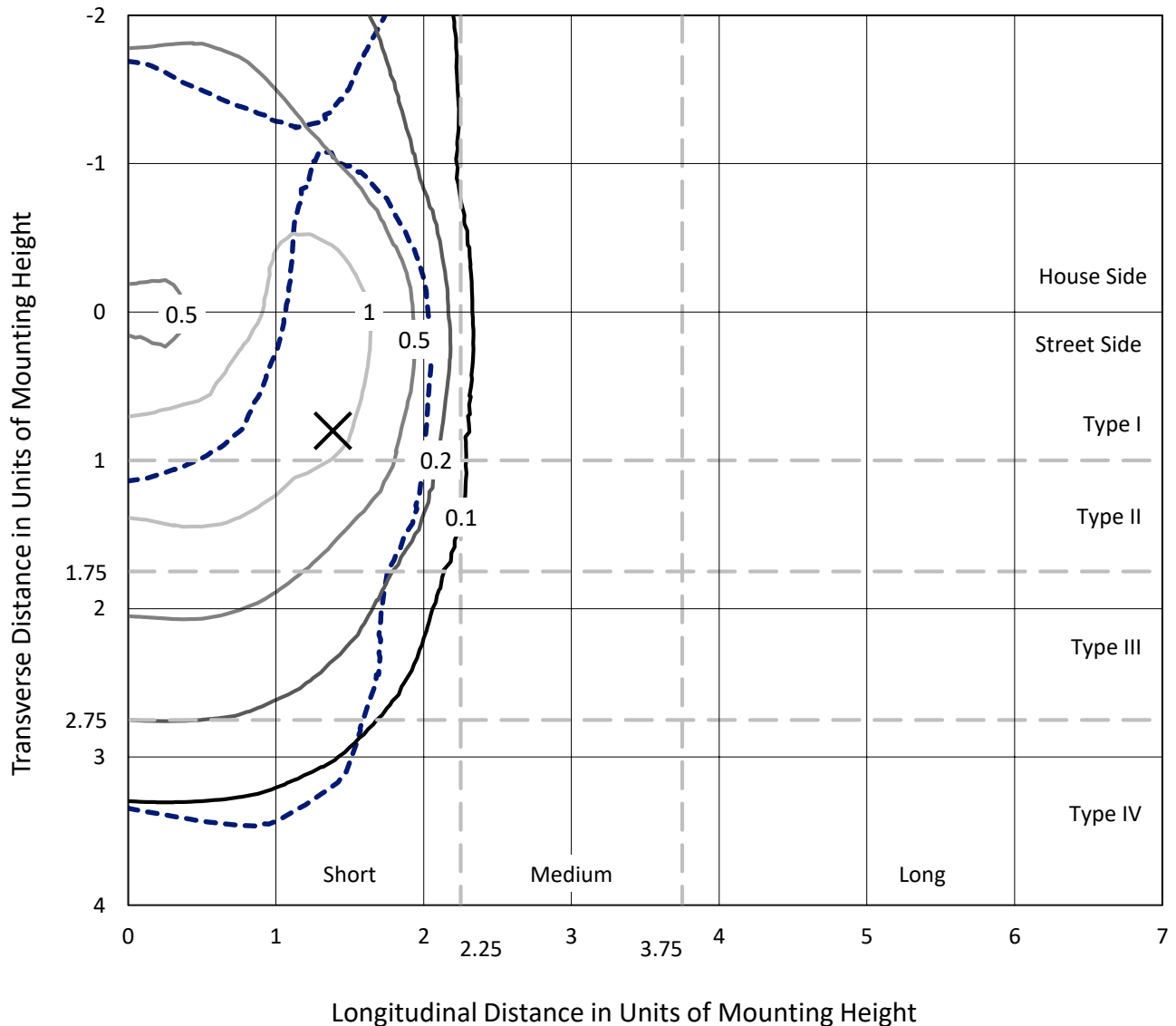
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P182304
 CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

Iso-Footcandle Lines of Horizontal Illumination

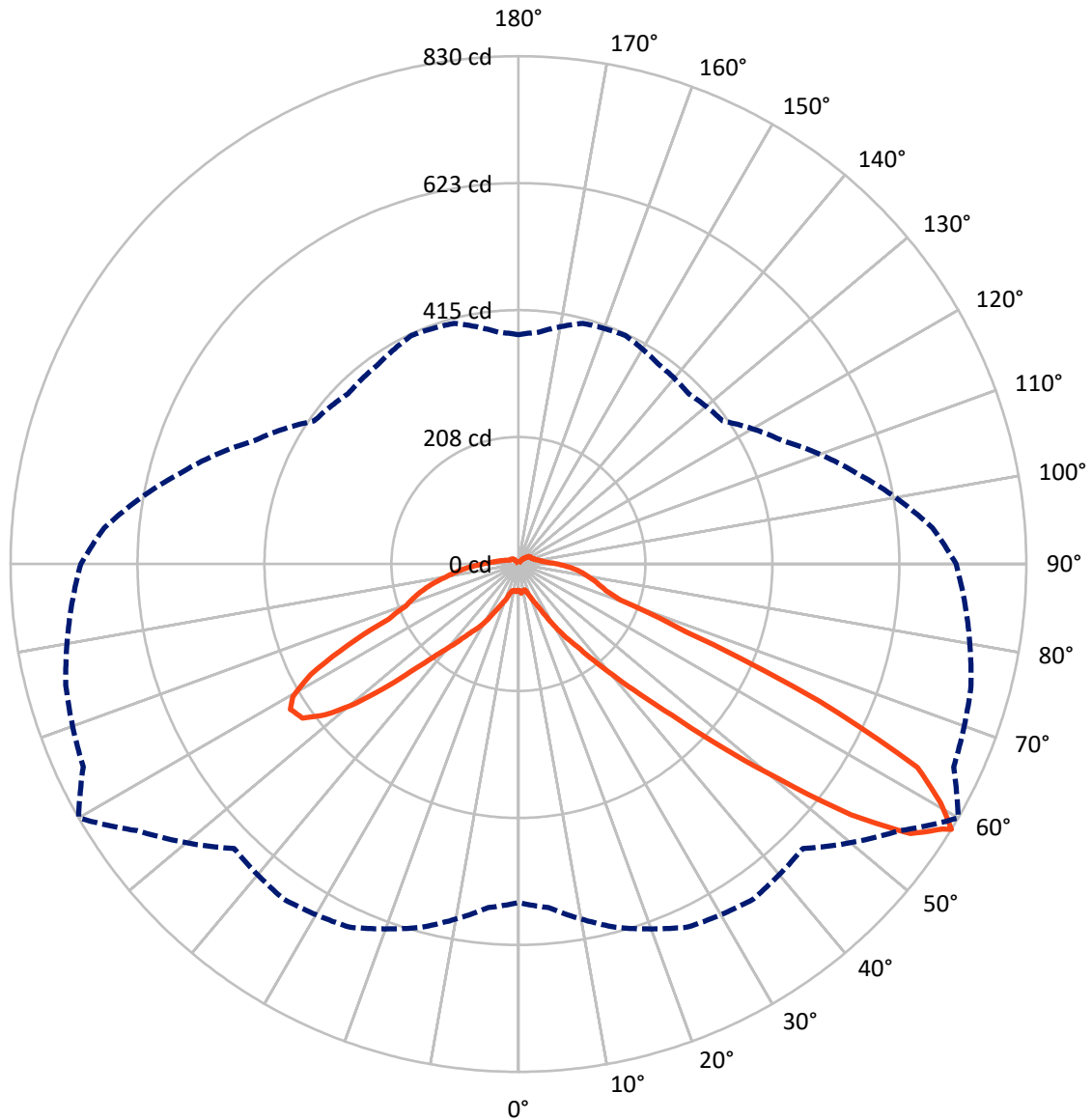
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P182304
CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P182304

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

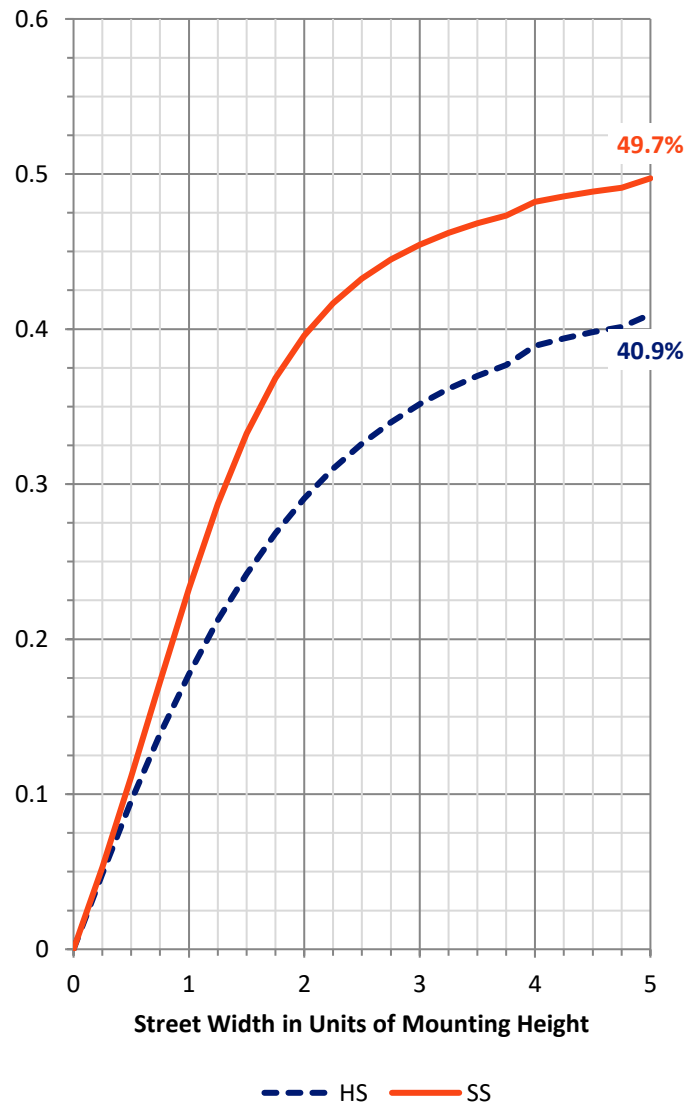
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	788.1	49.0	837.1
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	951.9	53.8	1005.7
	% Fixture	51.7	2.9	54.6
Total	Lumens	1740.0	102.8	1842.8
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.2
10°-20°	15.5	0.8
20°-30°	41.6	2.3
30°-40°	101.0	5.5
40°-50°	237.0	12.9
50°-60°	474.0	25.7
60°-70°	457.3	24.8
70°-80°	282.2	15.3
80°-90°	127.0	6.9
90°-100°	43.5	2.4
100°-110°	23.3	1.3
110°-120°	15.5	0.8
120°-130°	11.6	0.6
130°-140°	6.9	0.4
140°-150°	2.2	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1740.0	94.4
0°-180°	1842.8	100.0



REPORT NUMBER: P182304

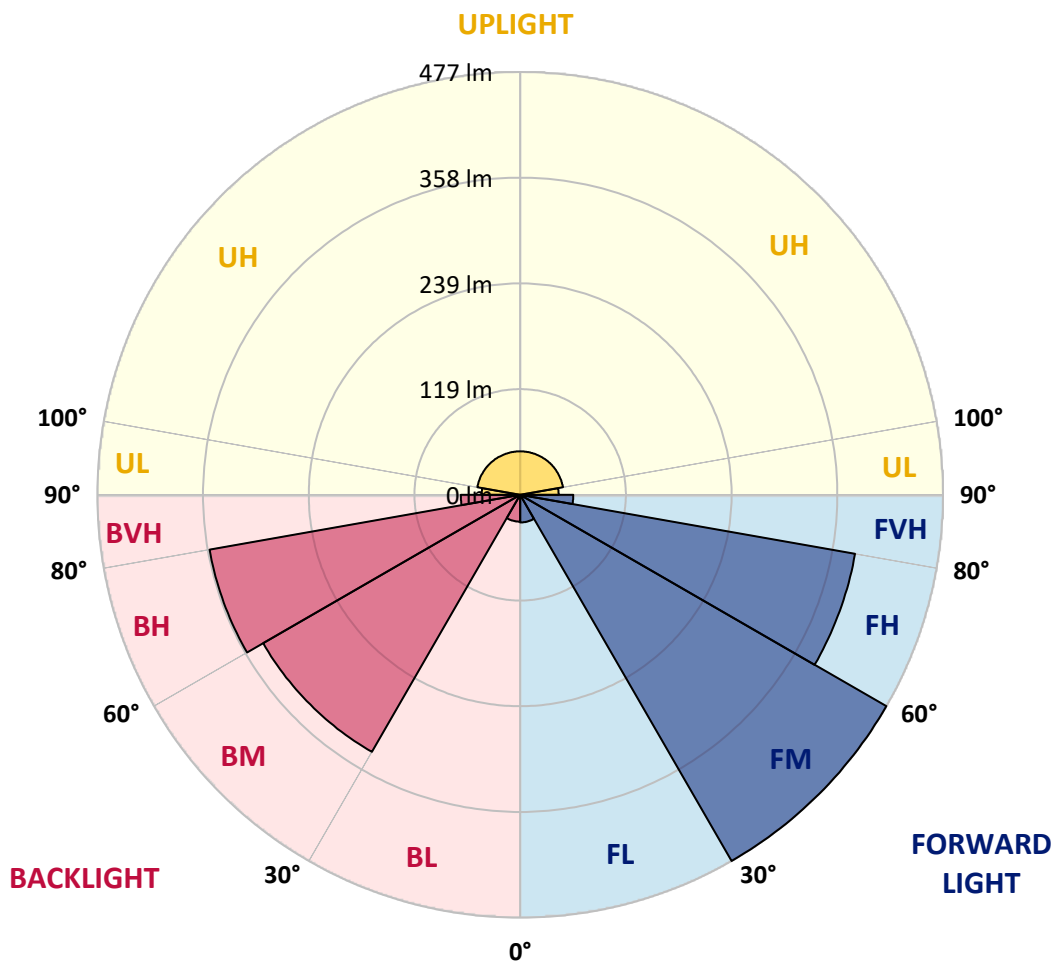
CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	31.2	1.7			
FM	(30°-60°)	477.1	25.9			
FH	(60°-80°)	383.7	20.8			G0/660
FVH	(80°-90°)	59.9	3.3			G1/100
BL	(0°-30°)	30.3	1.6	B0/110		
BM	(30°-60°)	334.9	18.2	B1/1000		
BH	(60°-80°)	355.8	19.3	B1/500		G1/500
BVH	(80°-90°)	67.0	3.6			G1/100
UL	(90°-100°)	43.5	2.4		U2/50	
UH	(100°-180°)	49.0	2.7		U2/50	

BUG Rating: B1-U3-G1

Type IV Short





REPORT NUMBER: P182304

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
2.5°	48.1	47.7	46.3	45.6	44.6	44.2	43.5	43.5	43.2	41.8	41.5
5°	46.0	45.6	43.9	43.2	44.6	46.0	47.0	48.1	47.0	45.3	42.8
7.5°	49.1	49.5	47.4	48.8	50.5	45.3	44.2	45.3	45.6	45.3	42.8
10°	52.3	51.2	49.5	49.5	48.1	48.4	46.3	44.6	44.2	42.2	41.5
12.5°	55.4	53.6	55.0	55.4	53.0	48.1	44.2	43.5	42.8	42.2	42.5
15°	67.6	62.7	64.4	58.9	55.4	49.1	46.0	45.6	45.3	45.3	45.6
17.5°	70.4	66.5	69.3	67.9	58.9	54.0	51.2	50.9	50.2	50.2	50.9
20°	79.4	79.4	80.8	73.9	66.5	63.1	59.6	58.9	57.8	57.8	59.9
22.5°	89.5	86.0	87.1	82.2	79.1	75.2	71.1	68.3	66.2	66.9	66.9
25°	95.8	96.8	97.9	95.1	92.0	87.4	83.3	79.8	78.0	77.0	75.6
27.5°	113.9	114.3	113.9	111.1	108.7	103.5	100.0	97.5	95.8	91.6	90.2
30°	133.1	134.1	134.1	130.6	127.9	121.6	120.5	119.8	116.7	110.4	108.7
32.5°	155.4	156.1	156.4	154.0	148.1	148.1	146.3	143.5	142.1	132.0	124.4
35°	182.5	183.6	183.2	181.2	175.2	167.9	166.9	165.5	164.4	156.1	150.1
37.5°	211.5	212.2	214.9	210.1	202.1	196.5	201.4	200.0	199.6	187.1	176.3
40°	242.5	243.5	248.4	244.2	236.5	234.5	238.6	239.0	239.3	228.2	216.7
42.5°	280.4	280.8	284.6	283.9	278.0	274.9	282.5	289.8	290.9	273.8	259.2
45°	331.3	331.6	340.0	334.4	328.9	317.4	347.0	351.9	363.7	347.0	341.7
47.5°	380.8	382.5	394.0	392.3	388.1	388.1	444.5	445.6	476.6	478.3	456.7
50°	424.3	429.5	450.1	458.8	472.0	480.4	557.7	552.5	585.6	584.6	553.9
52.5°	477.6	483.5	504.4	527.4	546.6	563.7	645.2	681.1	679.0	684.2	651.8
55°	511.1	519.8	563.3	597.5	595.0	627.4	723.6	777.9	749.7	755.6	721.8
57.5°	547.3	556.3	606.2	645.2	657.0	663.6	760.1	817.3	773.7	760.5	747.9
58°	553.6	563.7	614.9	654.9	668.9	657.4	760.1	830.2	784.9	766.1	732.6
60°	573.8	584.2	639.3	685.6	688.4	673.7	777.2	793.2	750.4	705.8	682.8
62.5°	599.5	611.7	663.3	679.7	688.0	645.9	712.1	731.6	660.5	615.2	559.1
65°	585.6	599.9	658.8	669.9	625.3	595.7	588.7	540.3	461.2	352.5	307.6
67.5°	558.8	572.4	614.2	610.7	544.8	429.5	370.7	295.8	223.7	140.7	117.7
70°	501.6	513.8	550.8	528.1	448.0	304.1	216.7	177.0	144.6	103.8	86.0
72.5°	426.1	436.5	462.6	441.4	362.7	252.6	174.5	150.1	128.2	95.1	80.1
75°	356.0	362.0	384.6	370.7	304.8	219.5	157.5	136.6	118.4	92.0	80.1
77.5°	303.8	306.6	320.5	309.4	261.6	192.3	143.5	125.4	110.8	87.1	77.0
80°	237.6	241.1	255.7	258.1	217.7	169.3	128.2	112.5	101.0	79.8	70.7
82.5°	179.8	182.2	196.5	201.0	179.1	142.8	113.9	101.4	91.3	72.8	66.5
85°	121.9	122.6	137.3	148.8	139.7	117.7	100.0	88.8	80.5	65.5	60.3
87.5°	78.7	79.1	89.2	101.4	104.2	94.1	83.6	74.6	67.6	54.0	47.0
90°	54.0	54.7	60.6	69.0	75.2	73.5	68.3	60.6	55.0	42.5	35.2
92.5°	40.4	40.8	44.2	49.8	54.7	56.8	54.3	48.8	43.2	33.1	27.2
95°	32.0	31.7	34.5	38.7	42.8	46.0	45.6	41.1	36.2	27.9	24.4
97.5°	26.1	26.1	28.6	31.4	35.2	39.4	40.1	36.9	33.4	26.8	25.1
100°	22.3	22.3	23.7	26.5	30.0	34.1	35.9	33.8	31.7	26.1	26.1
102.5°	18.8	18.8	19.9	22.6	26.1	30.3	32.0	30.7	29.3	24.4	25.1
105°	15.7	15.7	16.7	19.2	23.3	27.2	28.9	28.2	27.2	21.9	23.7
107.5°	12.9	12.9	13.9	16.7	20.9	25.4	27.2	26.8	25.8	21.3	22.6



REPORT NUMBER: P182304

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	10.8	10.8	11.8	15.0	18.8	22.6	25.4	25.1	24.4	21.9	22.3
112.5°	9.1	9.1	10.1	13.6	17.4	20.9	23.3	23.7	23.0	22.6	21.6
115°	8.0	8.0	8.7	12.5	16.7	20.6	23.0	23.3	22.6	22.6	20.9
117.5°	7.3	7.3	8.0	11.5	15.7	19.5	22.3	23.3	23.3	23.3	21.9
120°	7.0	7.0	7.3	10.5	14.3	17.8	20.9	22.3	22.6	23.3	22.3
122.5°	6.6	6.6	6.6	9.1	13.2	16.4	20.2	21.9	21.9	23.0	21.3
125°	6.3	6.3	6.3	7.7	12.2	16.0	19.2	20.9	21.3	22.3	20.6
127.5°	5.9	5.9	5.9	6.6	10.8	15.0	18.1	19.2	19.5	20.9	19.9
130°	5.6	5.6	5.6	5.6	9.1	13.2	16.0	16.7	17.4	18.8	18.5
132.5°	5.2	5.2	4.9	4.9	7.7	11.1	13.9	14.3	15.3	17.1	17.4
135°	4.5	4.5	4.2	4.2	5.6	9.4	12.2	12.9	13.9	15.0	15.7
137.5°	3.8	3.8	3.5	3.5	3.8	7.7	10.5	11.1	12.5	13.9	14.6
140°	3.1	3.1	3.1	2.8	2.8	5.6	8.7	9.8	11.1	12.5	13.2
142.5°	2.8	2.4	2.4	2.4	2.4	3.5	6.6	8.4	9.4	11.1	11.8
145°	2.1	2.1	2.1	1.7	1.7	2.1	4.5	5.9	7.0	9.1	9.8
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: P182304

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
2.5°	41.1	41.8	42.8	42.8	43.2	43.2	43.2	44.2	45.3	45.3	45.3
5°	43.5	44.2	45.3	45.6	44.9	43.9	42.8	42.8	44.9	46.0	46.0
7.5°	42.8	43.9	44.6	44.2	43.5	45.3	48.4	46.3	44.9	46.3	46.3
10°	42.2	42.5	42.2	44.2	47.0	46.7	46.0	48.1	48.1	49.8	52.3
12.5°	42.8	43.2	43.2	43.9	44.9	47.4	51.9	52.3	51.6	51.6	52.3
15°	45.6	46.0	46.0	46.3	47.0	48.8	54.7	59.2	63.1	61.3	64.8
17.5°	51.2	51.9	51.9	52.3	52.3	55.0	58.9	64.4	68.6	68.3	69.7
20°	60.6	60.6	60.6	60.6	62.0	65.1	67.6	72.1	76.3	75.6	74.2
22.5°	66.5	65.8	66.9	66.5	71.4	74.6	78.4	81.2	85.0	85.7	84.7
25°	75.6	75.2	74.9	75.6	80.1	84.7	89.9	93.0	95.5	96.1	96.1
27.5°	89.2	87.8	87.1	89.2	92.3	97.2	101.4	104.9	108.3	109.4	109.0
30°	106.9	105.2	102.4	107.6	105.9	110.1	113.9	118.8	123.0	124.4	124.0
32.5°	121.6	118.4	115.7	120.9	122.6	124.0	128.2	134.1	139.3	140.7	140.4
35°	142.5	138.0	132.7	133.4	135.2	137.3	144.6	150.5	154.3	155.7	155.0
37.5°	166.9	162.0	154.0	151.5	153.6	153.3	159.9	167.9	172.1	172.4	171.7
40°	201.7	198.6	184.6	178.4	170.0	170.7	177.0	186.4	190.9	192.6	191.3
42.5°	241.4	235.8	219.1	202.8	196.5	191.3	196.5	207.6	214.6	216.3	214.2
45°	329.9	314.9	285.7	253.3	221.6	214.2	219.8	233.8	239.7	238.3	235.8
47.5°	436.5	409.7	365.8	313.9	272.4	243.5	247.7	260.9	267.9	267.2	264.8
50°	526.7	501.6	436.2	379.4	322.6	285.7	280.4	297.5	299.2	288.4	286.0
52.5°	626.4	598.8	527.4	437.5	363.3	331.6	323.3	333.0	323.6	306.6	304.1
55°	695.3	659.8	578.6	471.0	396.1	366.1	363.7	363.0	351.9	334.4	330.3
57.5°	722.9	690.5	587.7	470.6	409.7	392.3	393.7	403.4	398.9	371.4	366.1
58°	715.5	679.3	572.7	476.6	407.6	393.7	398.9	412.5	407.2	380.4	374.8
60°	658.4	639.3	516.6	449.4	406.9	399.2	423.3	448.7	450.8	421.2	416.6
62.5°	526.7	510.0	427.4	395.0	374.5	403.8	450.1	489.8	489.1	454.6	446.6
65°	277.6	278.0	277.6	280.1	339.0	400.6	467.9	521.2	531.3	500.3	490.9
67.5°	110.1	113.6	135.5	184.3	277.0	374.8	475.9	549.0	567.8	537.5	530.2
70°	79.1	83.3	108.0	157.1	237.2	352.5	464.7	554.9	587.7	565.4	560.9
72.5°	72.8	75.6	98.2	143.9	217.4	326.4	450.8	565.1	599.5	581.4	575.9
75°	71.4	73.2	92.0	131.7	194.7	296.1	425.4	529.2	554.9	536.8	526.0
77.5°	69.7	70.0	85.4	118.8	168.3	254.7	359.5	444.9	444.9	424.3	414.2
80°	65.5	64.8	77.7	104.2	142.8	207.3	278.3	326.8	319.8	305.2	294.7
82.5°	61.7	59.9	70.7	90.6	121.6	165.8	204.1	232.0	223.7	211.8	205.2
85°	56.8	54.7	63.4	79.8	101.7	126.1	154.7	169.3	161.3	147.4	144.6
87.5°	45.6	45.3	54.0	68.3	80.8	100.0	116.4	121.6	110.4	96.5	94.4
90°	35.2	36.2	45.3	56.4	64.8	77.0	84.3	80.5	69.7	60.3	57.8
92.5°	28.2	29.6	38.0	46.3	53.0	57.1	58.5	53.6	48.1	42.8	41.5
95°	26.1	26.5	32.7	39.4	42.8	44.2	42.5	38.7	35.9	33.1	32.0
97.5°	26.8	26.8	30.7	34.8	36.2	35.5	33.4	30.0	27.9	25.8	24.7
100°	27.9	27.2	28.9	31.4	30.7	29.6	27.5	24.4	22.3	20.2	19.5
102.5°	26.8	25.8	26.1	27.5	26.5	25.4	23.3	20.6	18.1	16.0	15.7
105°	25.1	24.0	23.3	24.0	23.3	22.3	20.6	17.4	15.0	12.9	12.5
107.5°	23.3	22.3	21.3	21.3	20.9	19.9	17.8	15.3	12.5	10.5	10.5



REPORT NUMBER: P182304

CATALOG NUMBER: LXF-F01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	22.3	20.9	19.5	18.8	18.5	17.4	15.7	13.2	10.5	8.7	8.7
112.5°	21.6	20.2	18.1	17.1	16.4	15.7	14.3	11.8	9.1	7.7	7.3
115°	20.6	19.2	17.1	16.0	15.0	14.3	12.9	10.8	8.0	7.0	6.6
117.5°	20.9	19.2	17.1	15.7	14.3	13.2	11.8	9.8	7.0	6.3	6.3
120°	20.9	19.2	16.7	15.0	13.9	12.5	11.1	8.4	6.3	5.9	5.9
122.5°	20.2	19.2	16.7	14.6	13.2	12.2	10.1	7.3	5.6	5.6	5.6
125°	19.9	18.8	17.1	15.0	13.2	11.5	9.4	6.3	5.6	5.2	5.2
127.5°	19.5	18.5	16.7	14.6	12.5	10.8	8.0	5.6	5.2	5.2	5.2
130°	18.5	17.8	16.0	13.9	11.8	9.8	6.6	4.9	4.5	4.9	4.9
132.5°	17.4	16.7	15.0	12.9	10.5	8.0	5.6	4.5	4.2	4.5	4.5
135°	16.0	15.3	13.6	11.5	9.1	7.0	4.5	3.8	3.8	3.8	3.8
137.5°	14.6	14.6	12.9	10.1	8.0	5.6	3.5	3.1	3.1	3.5	3.5
140°	13.2	13.2	11.5	9.1	6.6	4.2	2.8	2.8	2.8	3.1	3.1
142.5°	11.8	11.8	10.1	7.7	5.2	2.8	2.1	2.1	2.4	2.4	2.4
145°	10.1	9.8	8.4	5.9	3.5	1.7	1.7	1.7	1.7	2.1	2.1
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)