

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: P182301

Luminaire Tested: **LXF-E01-LED-E-U-ASYM-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182301
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-E01-LED-E-U-ASYM-BK
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2644.9 lumens
Efficiency: N/A
Efficacy: 107.1 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: B2 - U3 - G2

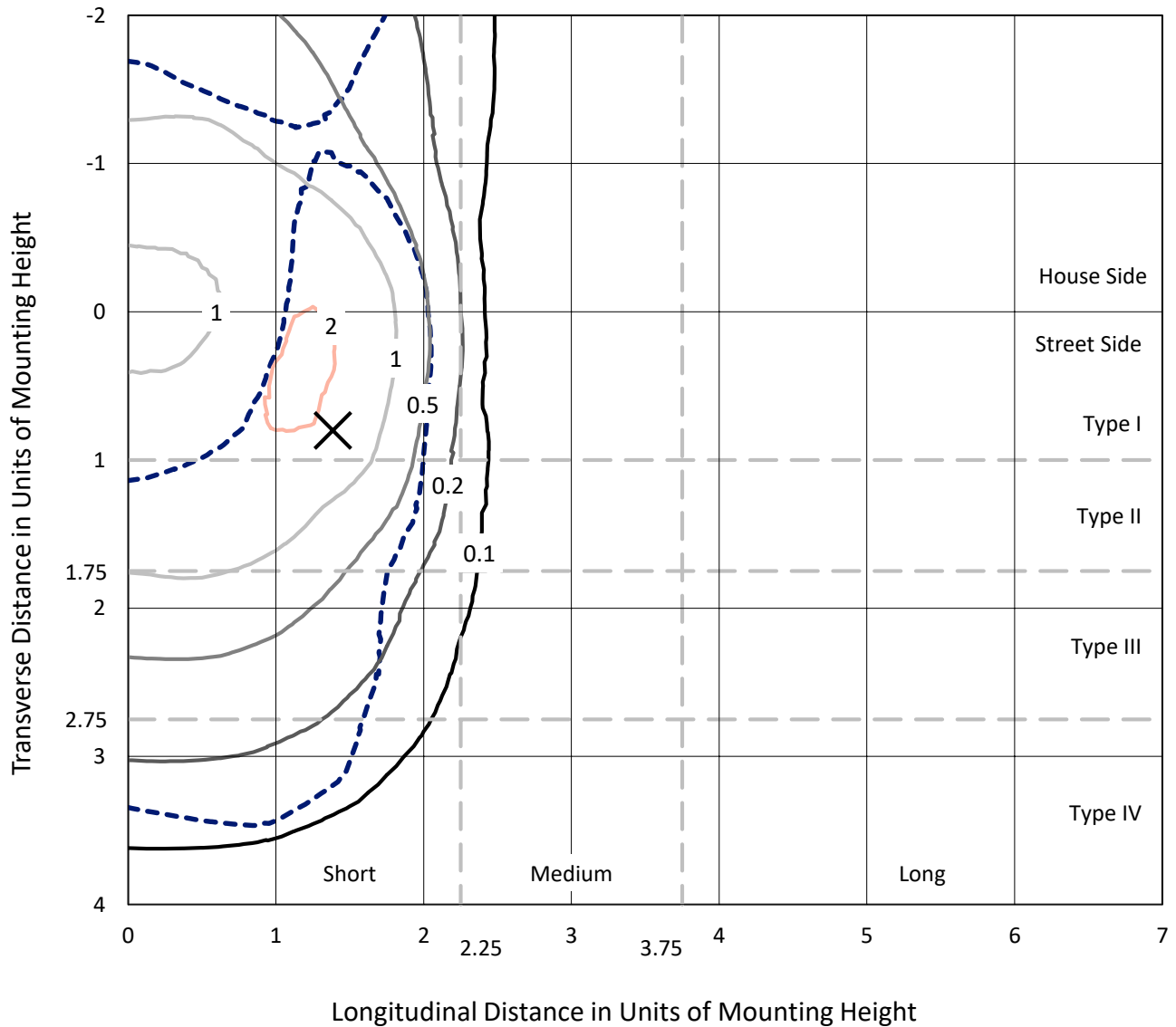
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

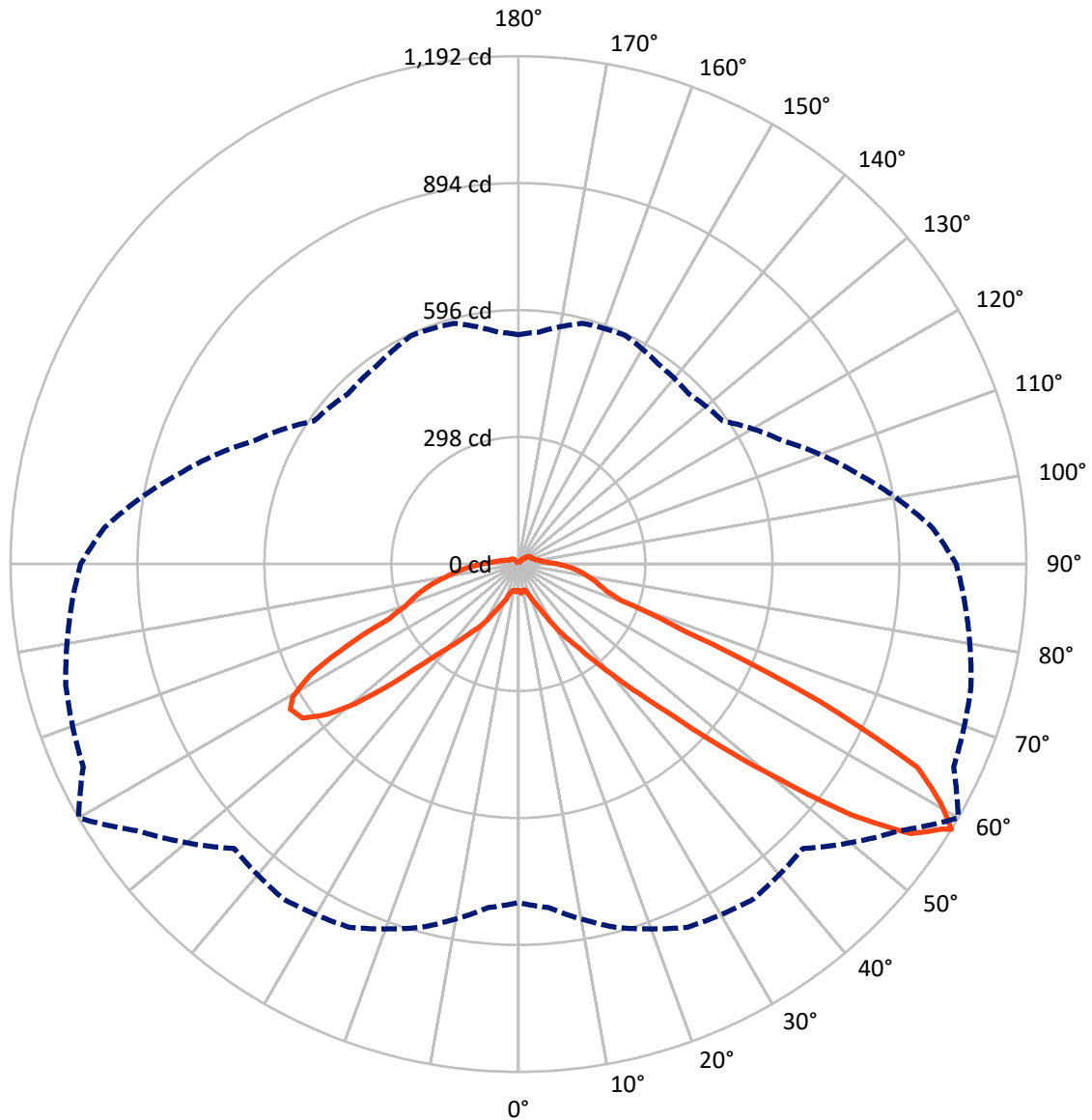
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 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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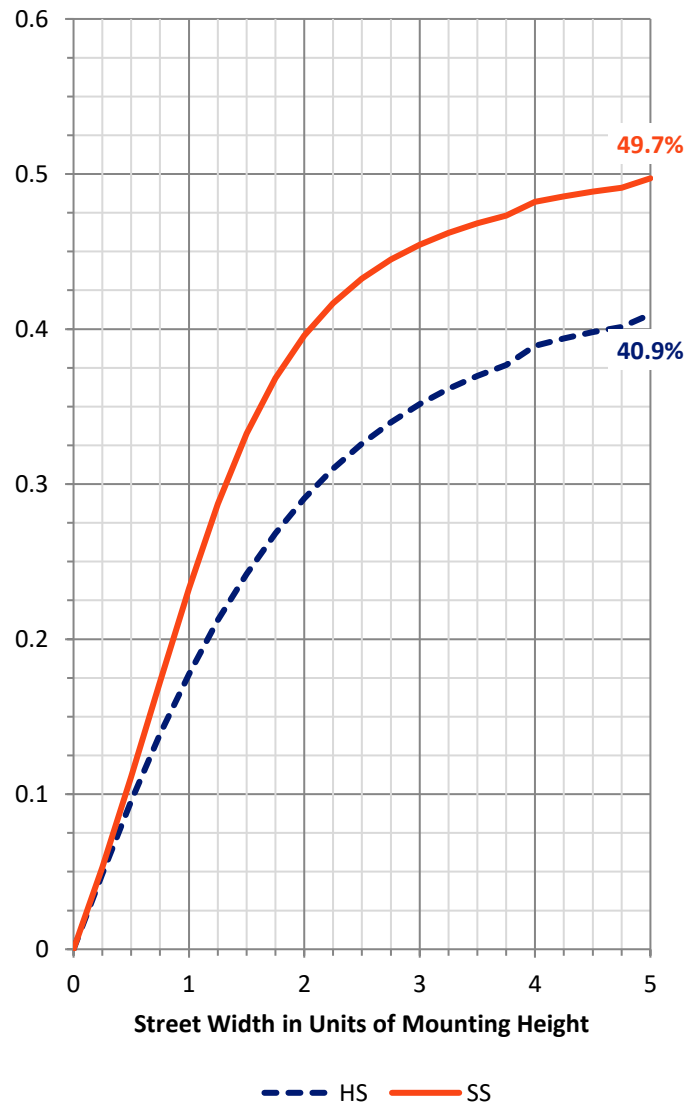
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1131.1	70.4	1201.4
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1366.3	77.2	1443.5
	% Fixture	51.7	2.9	54.6
Total	Lumens	2497.3	147.6	2644.9
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.2	0.2
10°-20°	22.3	0.8
20°-30°	59.7	2.3
30°-40°	145.0	5.5
40°-50°	340.1	12.9
50°-60°	680.3	25.7
60°-70°	656.4	24.8
70°-80°	405.0	15.3
80°-90°	182.2	6.9
90°-100°	62.4	2.4
100°-110°	33.4	1.3
110°-120°	22.2	0.8
120°-130°	16.6	0.6
130°-140°	9.9	0.4
140°-150°	3.1	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2497.3	94.4
0°-180°	2644.9	100.0



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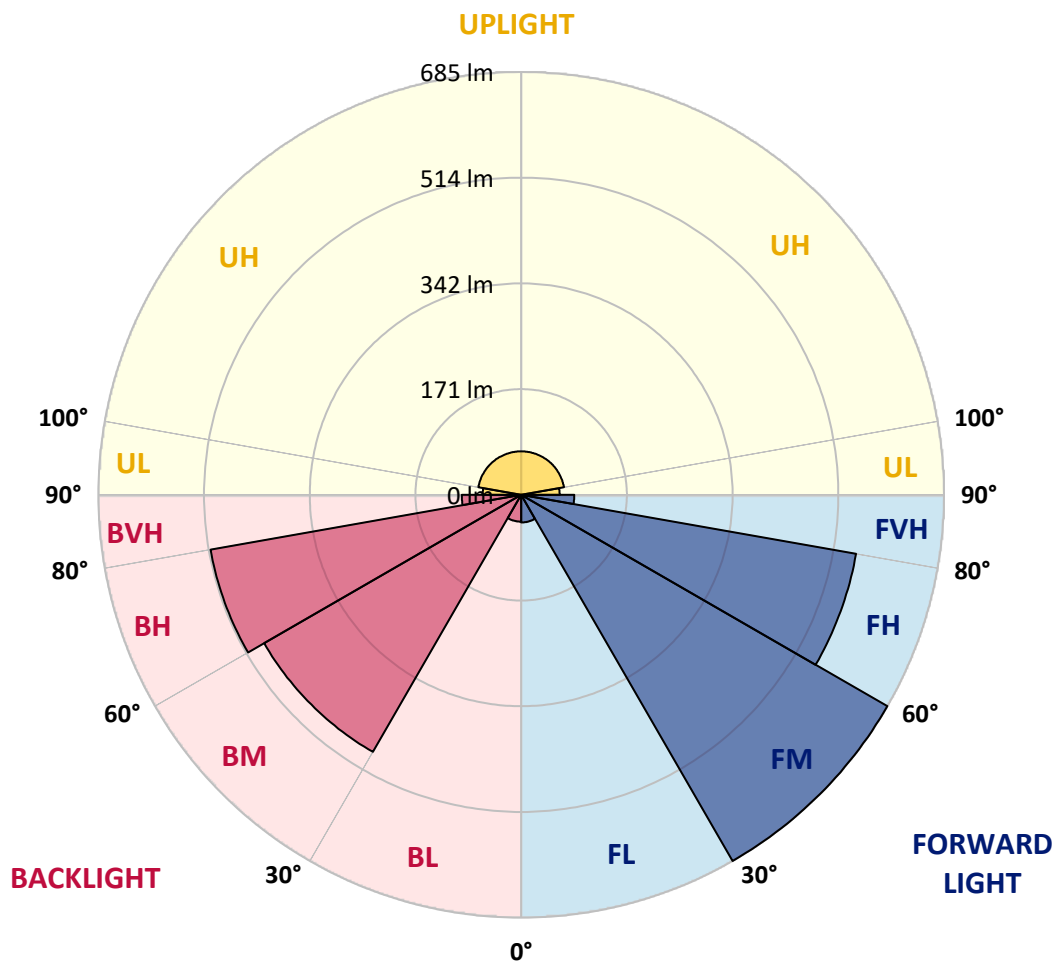
CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	44.8	1.7			
FM	(30°-60°)	684.8	25.9			
FH	(60°-80°)	550.7	20.8			G0/660
FVH	(80°-90°)	86.0	3.3			G1/100
BL	(0°-30°)	43.5	1.6	B0/110		
BM	(30°-60°)	480.6	18.2	B1/1000		
BH	(60°-80°)	510.7	19.3	B2/1000		G2/1000
BVH	(80°-90°)	96.2	3.6			G1/100
UL	(90°-100°)	62.4	2.4		U3/500	
UH	(100°-180°)	70.4	2.7		U3/500	

BUG Rating: B2-U3-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2.5°	69.0	68.5	66.5	65.5	64.0	63.5	62.5	62.5	62.0	60.0	59.5
5°	66.0	65.5	63.0	62.0	64.0	66.0	67.5	69.0	67.5	65.0	61.5
7.5°	70.5	71.0	68.0	70.0	72.5	65.0	63.5	65.0	65.5	65.0	61.5
10°	75.0	73.5	71.0	71.0	69.0	69.5	66.5	64.0	63.5	60.5	59.5
12.5°	79.5	77.0	79.0	79.5	76.0	69.0	63.5	62.5	61.5	60.5	61.0
15°	97.0	90.0	92.5	84.5	79.5	70.5	66.0	65.5	65.0	65.0	65.5
17.5°	101.0	95.5	99.5	97.5	84.5	77.5	73.5	73.0	72.0	72.0	73.0
20°	114.0	114.0	116.0	106.0	95.5	90.5	85.5	84.5	83.0	83.0	86.0
22.5°	128.5	123.5	125.0	118.0	113.5	108.0	102.0	98.0	95.0	96.0	96.0
25°	137.5	139.0	140.5	136.5	132.0	125.5	119.5	114.5	112.0	110.5	108.5
27.5°	163.5	164.0	163.5	159.5	156.0	148.5	143.5	140.0	137.5	131.5	129.5
30°	191.0	192.5	192.5	187.5	183.5	174.5	173.0	172.0	167.5	158.5	156.0
32.5°	223.0	224.0	224.5	221.0	212.5	212.5	210.0	206.0	204.0	189.5	178.5
35°	262.0	263.5	263.0	260.0	251.5	241.0	239.5	237.5	236.0	224.0	215.5
37.5°	303.5	304.5	308.5	301.5	290.0	282.0	289.0	287.0	286.5	268.5	253.0
40°	348.0	349.5	356.5	350.5	339.5	336.5	342.5	343.0	343.5	327.5	311.0
42.5°	402.5	403.0	408.5	407.5	399.0	394.5	405.5	416.0	417.5	393.0	372.0
45°	475.5	476.0	488.0	480.0	472.0	455.5	498.0	505.0	522.0	498.0	490.5
47.5°	546.5	549.0	565.5	563.0	557.0	557.0	638.0	639.5	684.0	686.5	655.5
50°	609.0	616.5	646.0	658.5	677.5	689.5	800.5	793.0	840.5	839.0	795.0
52.5°	685.5	694.0	724.0	757.0	784.5	809.0	926.0	977.5	974.5	982.0	935.5
55°	733.5	746.0	808.5	857.5	854.0	900.5	1038.5	1116.5	1076.0	1084.5	1036.0
57.5°	785.5	798.5	870.0	926.0	943.0	952.5	1091.0	1173.0	1110.5	1091.5	1073.5
58°	794.5	809.0	882.5	940.0	960.0	943.5	1091.0	1191.5	1126.5	1099.5	1051.5
60°	823.5	838.5	917.5	984.0	988.0	967.0	1115.5	1138.5	1077.0	1013.0	980.0
62.5°	860.5	878.0	952.0	975.5	987.5	927.0	1022.0	1050.0	948.0	883.0	802.5
65°	840.5	861.0	945.5	961.5	897.5	855.0	845.0	775.5	662.0	506.0	441.5
67.5°	802.0	821.5	881.5	876.5	782.0	616.5	532.0	424.5	321.0	202.0	169.0
70°	720.0	737.5	790.5	758.0	643.0	436.5	311.0	254.0	207.5	149.0	123.5
72.5°	611.5	626.5	664.0	633.5	520.5	362.5	250.5	215.5	184.0	136.5	115.0
75°	511.0	519.5	552.0	532.0	437.5	315.0	226.0	196.0	170.0	132.0	115.0
77.5°	436.0	440.0	460.0	444.0	375.5	276.0	206.0	180.0	159.0	125.0	110.5
80°	341.0	346.0	367.0	370.5	312.5	243.0	184.0	161.5	145.0	114.5	101.5
82.5°	258.0	261.5	282.0	288.5	257.0	205.0	163.5	145.5	131.0	104.5	95.5
85°	175.0	176.0	197.0	213.5	200.5	169.0	143.5	127.5	115.5	94.0	86.5
87.5°	113.0	113.5	128.0	145.5	149.5	135.0	120.0	107.0	97.0	77.5	67.5
90°	77.5	78.5	87.0	99.0	108.0	105.5	98.0	87.0	79.0	61.0	50.5
92.5°	58.0	58.5	63.5	71.5	78.5	81.5	78.0	70.0	62.0	47.5	39.0
95°	46.0	45.5	49.5	55.5	61.5	66.0	65.5	59.0	52.0	40.0	35.0
97.5°	37.5	37.5	41.0	45.0	50.5	56.5	57.5	53.0	48.0	38.5	36.0
100°	32.0	32.0	34.0	38.0	43.0	49.0	51.5	48.5	45.5	37.5	37.5
102.5°	27.0	27.0	28.5	32.5	37.5	43.5	46.0	44.0	42.0	35.0	36.0
105°	22.5	22.5	24.0	27.5	33.5	39.0	41.5	40.5	39.0	31.5	34.0
107.5°	18.5	18.5	20.0	24.0	30.0	36.5	39.0	38.5	37.0	30.5	32.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	15.5	15.5	17.0	21.5	27.0	32.5	36.5	36.0	35.0	31.5	32.0
112.5°	13.0	13.0	14.5	19.5	25.0	30.0	33.5	34.0	33.0	32.5	31.0
115°	11.5	11.5	12.5	18.0	24.0	29.5	33.0	33.5	32.5	32.5	30.0
117.5°	10.5	10.5	11.5	16.5	22.5	28.0	32.0	33.5	33.5	33.5	31.5
120°	10.0	10.0	10.5	15.0	20.5	25.5	30.0	32.0	32.5	33.5	32.0
122.5°	9.5	9.5	9.5	13.0	19.0	23.5	29.0	31.5	31.5	33.0	30.5
125°	9.0	9.0	9.0	11.0	17.5	23.0	27.5	30.0	30.5	32.0	29.5
127.5°	8.5	8.5	8.5	9.5	15.5	21.5	26.0	27.5	28.0	30.0	28.5
130°	8.0	8.0	8.0	8.0	13.0	19.0	23.0	24.0	25.0	27.0	26.5
132.5°	7.5	7.5	7.0	7.0	11.0	16.0	20.0	20.5	22.0	24.5	25.0
135°	6.5	6.5	6.0	6.0	8.0	13.5	17.5	18.5	20.0	21.5	22.5
137.5°	5.5	5.5	5.0	5.0	5.5	11.0	15.0	16.0	18.0	20.0	21.0
140°	4.5	4.5	4.5	4.0	4.0	8.0	12.5	14.0	16.0	18.0	19.0
142.5°	4.0	3.5	3.5	3.5	3.5	5.0	9.5	12.0	13.5	16.0	17.0
145°	3.0	3.0	3.0	2.5	2.5	3.0	6.5	8.5	10.0	13.0	14.0
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°	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
2.5°	59.0	60.0	61.5	61.5	62.0	62.0	62.0	63.5	65.0	65.0	65.0
5°	62.5	63.5	65.0	65.5	64.5	63.0	61.5	61.5	64.5	66.0	66.0
7.5°	61.5	63.0	64.0	63.5	62.5	65.0	69.5	66.5	64.5	66.5	66.5
10°	60.5	61.0	60.5	63.5	67.5	67.0	66.0	69.0	69.0	71.5	75.0
12.5°	61.5	62.0	62.0	63.0	64.5	68.0	74.5	75.0	74.0	74.0	75.0
15°	65.5	66.0	66.0	66.5	67.5	70.0	78.5	85.0	90.5	88.0	93.0
17.5°	73.5	74.5	74.5	75.0	75.0	79.0	84.5	92.5	98.5	98.0	100.0
20°	87.0	87.0	87.0	87.0	89.0	93.5	97.0	103.5	109.5	108.5	106.5
22.5°	95.5	94.5	96.0	95.5	102.5	107.0	112.5	116.5	122.0	123.0	121.5
25°	108.5	108.0	107.5	108.5	115.0	121.5	129.0	133.5	137.0	138.0	138.0
27.5°	128.0	126.0	125.0	128.0	132.5	139.5	145.5	150.5	155.5	157.0	156.5
30°	153.5	151.0	147.0	154.5	152.0	158.0	163.5	170.5	176.5	178.5	178.0
32.5°	174.5	170.0	166.0	173.5	176.0	178.0	184.0	192.5	200.0	202.0	201.5
35°	204.5	198.0	190.5	191.5	194.0	197.0	207.5	216.0	221.5	223.5	222.5
37.5°	239.5	232.5	221.0	217.5	220.5	220.0	229.5	241.0	247.0	247.5	246.5
40°	289.5	285.0	265.0	256.0	244.0	245.0	254.0	267.5	274.0	276.5	274.5
42.5°	346.5	338.5	314.5	291.0	282.0	274.5	282.0	298.0	308.0	310.5	307.5
45°	473.5	452.0	410.0	363.5	318.0	307.5	315.5	335.5	344.0	342.0	338.5
47.5°	626.5	588.0	525.0	450.5	391.0	349.5	355.5	374.5	384.5	383.5	380.0
50°	756.0	720.0	626.0	544.5	463.0	410.0	402.5	427.0	429.5	414.0	410.5
52.5°	899.0	859.5	757.0	628.0	521.5	476.0	464.0	478.0	464.5	440.0	436.5
55°	998.0	947.0	830.5	676.0	568.5	525.5	522.0	521.0	505.0	480.0	474.0
57.5°	1037.5	991.0	843.5	675.5	588.0	563.0	565.0	579.0	572.5	533.0	525.5
58°	1027.0	975.0	822.0	684.0	585.0	565.0	572.5	592.0	584.5	546.0	538.0
60°	945.0	917.5	741.5	645.0	584.0	573.0	607.5	644.0	647.0	604.5	598.0
62.5°	756.0	732.0	613.5	567.0	537.5	579.5	646.0	703.0	702.0	652.5	641.0
65°	398.5	399.0	398.5	402.0	486.5	575.0	671.5	748.0	762.5	718.0	704.5
67.5°	158.0	163.0	194.5	264.5	397.5	538.0	683.0	788.0	815.0	771.5	761.0
70°	113.5	119.5	155.0	225.5	340.5	506.0	667.0	796.5	843.5	811.5	805.0
72.5°	104.5	108.5	141.0	206.5	312.0	468.5	647.0	811.0	860.5	834.5	826.5
75°	102.5	105.0	132.0	189.0	279.5	425.0	610.5	759.5	796.5	770.5	755.0
77.5°	100.0	100.5	122.5	170.5	241.5	365.5	516.0	638.5	638.5	609.0	594.5
80°	94.0	93.0	111.5	149.5	205.0	297.5	399.5	469.0	459.0	438.0	423.0
82.5°	88.5	86.0	101.5	130.0	174.5	238.0	293.0	333.0	321.0	304.0	294.5
85°	81.5	78.5	91.0	114.5	146.0	181.0	222.0	243.0	231.5	211.5	207.5
87.5°	65.5	65.0	77.5	98.0	116.0	143.5	167.0	174.5	158.5	138.5	135.5
90°	50.5	52.0	65.0	81.0	93.0	110.5	121.0	115.5	100.0	86.5	83.0
92.5°	40.5	42.5	54.5	66.5	76.0	82.0	84.0	77.0	69.0	61.5	59.5
95°	37.5	38.0	47.0	56.5	61.5	63.5	61.0	55.5	51.5	47.5	46.0
97.5°	38.5	38.5	44.0	50.0	52.0	51.0	48.0	43.0	40.0	37.0	35.5
100°	40.0	39.0	41.5	45.0	44.0	42.5	39.5	35.0	32.0	29.0	28.0
102.5°	38.5	37.0	37.5	39.5	38.0	36.5	33.5	29.5	26.0	23.0	22.5
105°	36.0	34.5	33.5	34.5	33.5	32.0	29.5	25.0	21.5	18.5	18.0
107.5°	33.5	32.0	30.5	30.5	30.0	28.5	25.5	22.0	18.0	15.0	15.0



REPORT NUMBER: P182301

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	32.0	30.0	28.0	27.0	26.5	25.0	22.5	19.0	15.0	12.5	12.5
112.5°	31.0	29.0	26.0	24.5	23.5	22.5	20.5	17.0	13.0	11.0	10.5
115°	29.5	27.5	24.5	23.0	21.5	20.5	18.5	15.5	11.5	10.0	9.5
117.5°	30.0	27.5	24.5	22.5	20.5	19.0	17.0	14.0	10.0	9.0	9.0
120°	30.0	27.5	24.0	21.5	20.0	18.0	16.0	12.0	9.0	8.5	8.5
122.5°	29.0	27.5	24.0	21.0	19.0	17.5	14.5	10.5	8.0	8.0	8.0
125°	28.5	27.0	24.5	21.5	19.0	16.5	13.5	9.0	8.0	7.5	7.5
127.5°	28.0	26.5	24.0	21.0	18.0	15.5	11.5	8.0	7.5	7.5	7.5
130°	26.5	25.5	23.0	20.0	17.0	14.0	9.5	7.0	6.5	7.0	7.0
132.5°	25.0	24.0	21.5	18.5	15.0	11.5	8.0	6.5	6.0	6.5	6.5
135°	23.0	22.0	19.5	16.5	13.0	10.0	6.5	5.5	5.5	5.5	5.5
137.5°	21.0	21.0	18.5	14.5	11.5	8.0	5.0	4.5	4.5	5.0	5.0
140°	19.0	19.0	16.5	13.0	9.5	6.0	4.0	4.0	4.0	4.5	4.5
142.5°	17.0	17.0	14.5	11.0	7.5	4.0	3.0	3.0	3.5	3.5	3.5
145°	14.5	14.0	12.0	8.5	5.0	2.5	2.5	2.5	2.5	3.0	3.0
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)