

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: P182299

Luminaire Tested: **LXF-E01-LED-E-U-ASYM-BK-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182299
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-8030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2232.3 lumens
Efficiency: N/A
Efficacy: 90.4 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

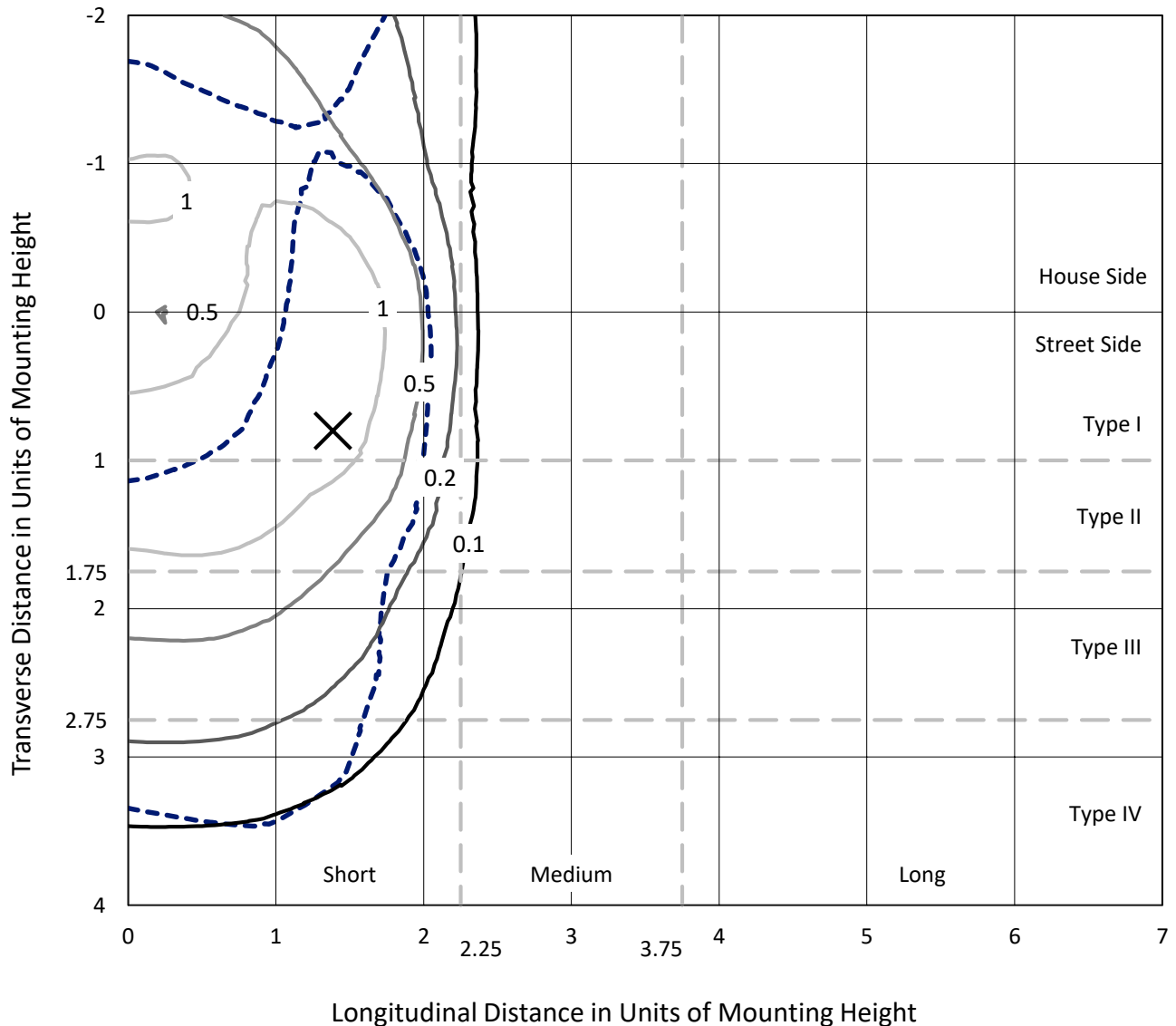
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P182299
 CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

Iso-Footcandle Lines of Horizontal Illumination

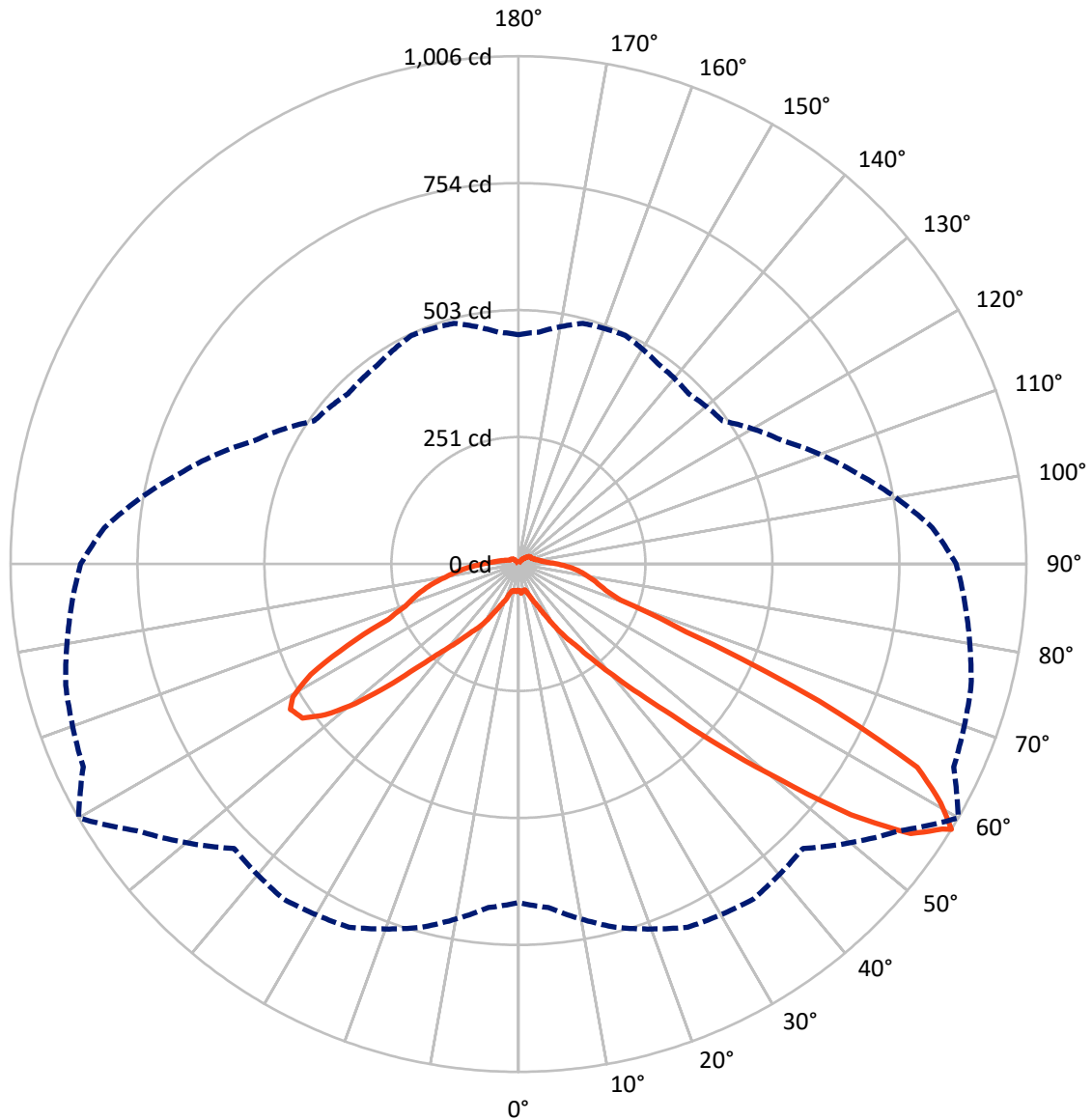
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P182299
CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P182299

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

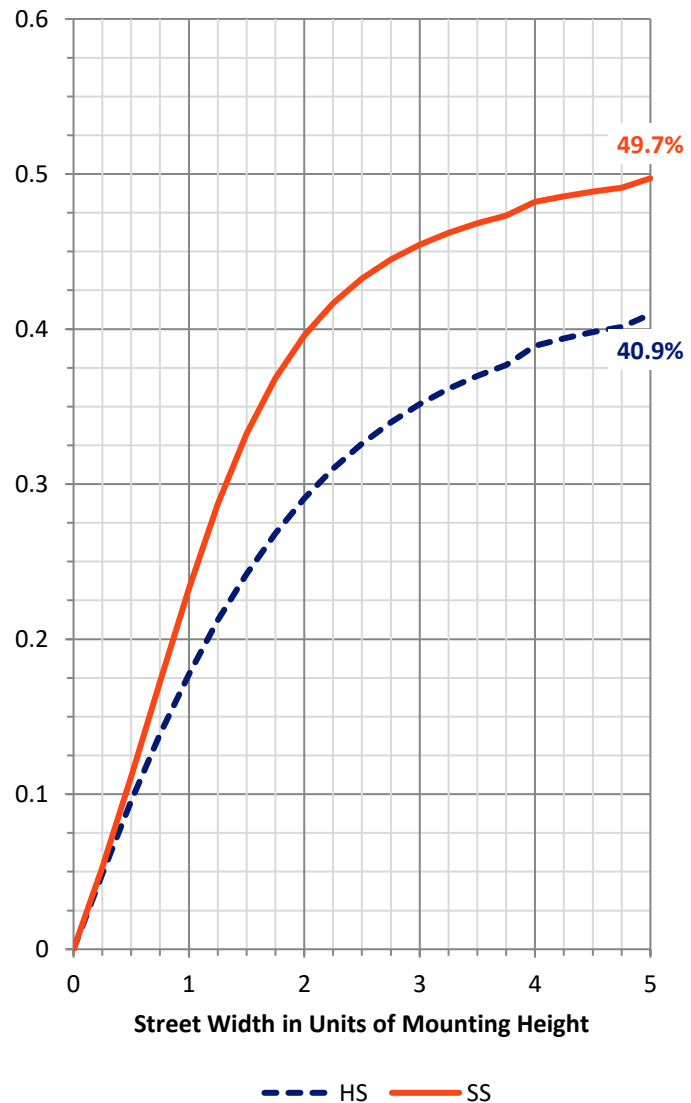
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	954.6	59.4	1014.0
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1153.1	65.2	1218.3
	% Fixture	51.7	2.9	54.6
Total	Lumens	2107.7	124.6	2232.3
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.3	0.2
10°-20°	18.8	0.8
20°-30°	50.4	2.3
30°-40°	122.4	5.5
40°-50°	287.1	12.9
50°-60°	574.2	25.7
60°-70°	554.0	24.8
70°-80°	341.8	15.3
80°-90°	153.8	6.9
90°-100°	52.6	2.4
100°-110°	28.2	1.3
110°-120°	18.8	0.8
120°-130°	14.0	0.6
130°-140°	8.3	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°	2107.7	94.4
0°-180°	2232.3	100.0



REPORT NUMBER: P182299

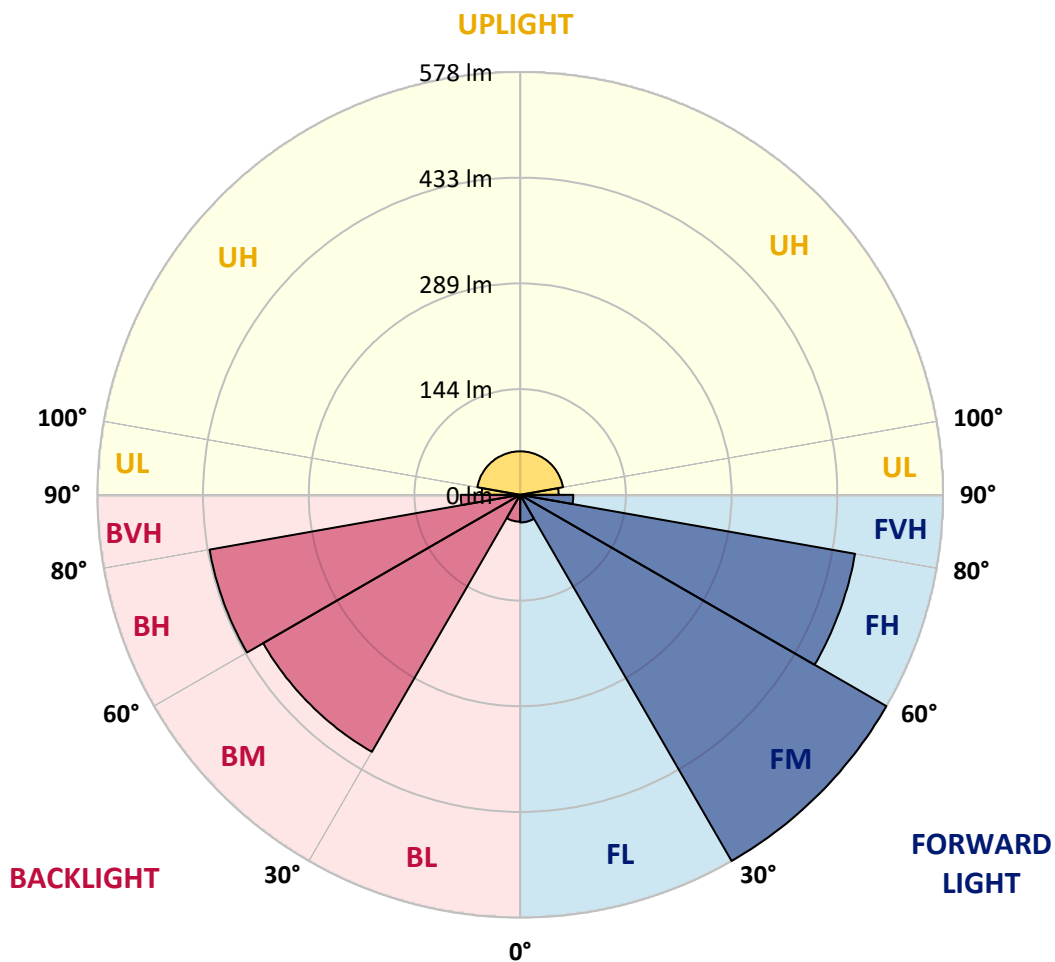
CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	37.8	1.7			
FM (30°-60°)	578.0	25.9			
FH (60°-80°)	464.8	20.8			G0/660
FVH (80°-90°)	72.6	3.3			G1/100
BL (0°-30°)	36.7	1.6	B0/110		
BM (30°-60°)	405.7	18.2	B1/1000		
BH (60°-80°)	431.1	19.3	B1/500		G1/500
BVH (80°-90°)	81.2	3.6			G1/100
UL (90°-100°)	52.6	2.4		U3/500	
UH (100°-180°)	59.4	2.7		U3/500	

BUG Rating: B1-U3-G1

Type IV Short





REPORT NUMBER: P182299
 CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2.5°	58.2	57.8	56.1	55.3	54.0	53.6	52.7	52.7	52.3	50.6	50.2
5°	55.7	55.3	53.2	52.3	54.0	55.7	57.0	58.2	57.0	54.9	51.9
7.5°	59.5	59.9	57.4	59.1	61.2	54.9	53.6	54.9	55.3	54.9	51.9
10°	63.3	62.0	59.9	59.9	58.2	58.7	56.1	54.0	53.6	51.1	50.2
12.5°	67.1	65.0	66.7	67.1	64.1	58.2	53.6	52.7	51.9	51.1	51.5
15°	81.9	76.0	78.1	71.3	67.1	59.5	55.7	55.3	54.9	54.9	55.3
17.5°	85.2	80.6	84.0	82.3	71.3	65.4	62.0	61.6	60.8	60.8	61.6
20°	96.2	96.2	97.9	89.5	80.6	76.4	72.2	71.3	70.1	70.1	72.6
22.5°	108.5	104.2	105.5	99.6	95.8	91.2	86.1	82.7	80.2	81.0	81.0
25°	116.0	117.3	118.6	115.2	111.4	105.9	100.9	96.6	94.5	93.3	91.6
27.5°	138.0	138.4	138.0	134.6	131.7	125.3	121.1	118.2	116.0	111.0	109.3
30°	161.2	162.5	162.5	158.2	154.9	147.3	146.0	145.2	141.4	133.8	131.7
32.5°	188.2	189.1	189.5	186.5	179.3	179.3	177.2	173.9	172.2	159.9	150.7
35°	221.1	222.4	222.0	219.4	212.3	203.4	202.1	200.4	199.2	189.1	181.9
37.5°	256.2	257.0	260.4	254.5	244.8	238.0	243.9	242.2	241.8	226.6	213.5
40°	293.7	295.0	300.9	295.8	286.5	284.0	289.1	289.5	289.9	276.4	262.5
42.5°	339.7	340.1	344.8	343.9	336.8	333.0	342.2	351.1	352.4	331.7	314.0
45°	401.3	401.7	411.9	405.1	398.4	384.4	420.3	426.2	440.6	420.3	414.0
47.5°	461.2	463.4	477.3	475.2	470.1	470.1	538.5	539.7	577.3	579.4	553.2
50°	514.0	520.3	545.2	555.8	571.8	581.9	675.6	669.3	709.4	708.1	671.0
52.5°	578.6	585.7	611.0	638.9	662.1	682.8	781.5	825.0	822.5	828.8	789.6
55°	619.1	629.6	682.4	723.7	720.8	760.0	876.5	942.3	908.1	915.3	874.4
57.5°	663.0	673.9	734.3	781.5	795.9	803.9	920.8	990.0	937.3	921.2	906.0
58°	670.6	682.8	744.8	793.4	810.2	796.3	920.8	1005.6	950.8	928.0	887.5
60°	695.0	707.7	774.4	830.5	833.9	816.1	941.5	960.9	909.0	855.0	827.1
62.5°	726.3	741.0	803.5	823.3	833.4	782.4	862.6	886.2	800.1	745.2	677.3
65°	709.4	726.7	798.0	811.5	757.5	721.6	713.2	654.5	558.7	427.1	372.6
67.5°	676.9	693.3	744.0	739.8	660.0	520.3	449.0	358.3	270.9	170.5	142.6
70°	607.7	622.4	667.2	639.7	542.7	368.4	262.5	214.4	175.1	125.8	104.2
72.5°	516.1	528.8	560.4	534.7	439.3	305.9	211.4	181.9	155.3	115.2	97.1
75°	431.3	438.5	465.9	449.0	369.2	265.9	190.7	165.4	143.5	111.4	97.1
77.5°	368.0	371.4	388.2	374.7	316.9	232.9	173.9	151.9	134.2	105.5	93.3
80°	287.8	292.0	309.7	312.7	263.7	205.1	155.3	136.3	122.4	96.6	85.7
82.5°	217.7	220.7	238.0	243.5	216.9	173.0	138.0	122.8	110.6	88.2	80.6
85°	147.7	148.5	166.3	180.2	169.2	142.6	121.1	107.6	97.5	79.3	73.0
87.5°	95.4	95.8	108.0	122.8	126.2	113.9	101.3	90.3	81.9	65.4	57.0
90°	65.4	66.3	73.4	83.6	91.2	89.0	82.7	73.4	66.7	51.5	42.6
92.5°	49.0	49.4	53.6	60.3	66.3	68.8	65.8	59.1	52.3	40.1	32.9
95°	38.8	38.4	41.8	46.8	51.9	55.7	55.3	49.8	43.9	33.8	29.5
97.5°	31.6	31.6	34.6	38.0	42.6	47.7	48.5	44.7	40.5	32.5	30.4
100°	27.0	27.0	28.7	32.1	36.3	41.4	43.5	40.9	38.4	31.6	31.6
102.5°	22.8	22.8	24.1	27.4	31.6	36.7	38.8	37.1	35.4	29.5	30.4
105°	19.0	19.0	20.3	23.2	28.3	32.9	35.0	34.2	32.9	26.6	28.7
107.5°	15.6	15.6	16.9	20.3	25.3	30.8	32.9	32.5	31.2	25.7	27.4



REPORT NUMBER: P182299

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	13.1	13.1	14.3	18.1	22.8	27.4	30.8	30.4	29.5	26.6	27.0
112.5°	11.0	11.0	12.2	16.5	21.1	25.3	28.3	28.7	27.9	27.4	26.2
115°	9.7	9.7	10.5	15.2	20.3	24.9	27.9	28.3	27.4	27.4	25.3
117.5°	8.9	8.9	9.7	13.9	19.0	23.6	27.0	28.3	28.3	28.3	26.6
120°	8.4	8.4	8.9	12.7	17.3	21.5	25.3	27.0	27.4	28.3	27.0
122.5°	8.0	8.0	8.0	11.0	16.0	19.8	24.5	26.6	26.6	27.9	25.7
125°	7.6	7.6	7.6	9.3	14.8	19.4	23.2	25.3	25.7	27.0	24.9
127.5°	7.2	7.2	7.2	8.0	13.1	18.1	21.9	23.2	23.6	25.3	24.1
130°	6.8	6.8	6.8	6.8	11.0	16.0	19.4	20.3	21.1	22.8	22.4
132.5°	6.3	6.3	5.9	5.9	9.3	13.5	16.9	17.3	18.6	20.7	21.1
135°	5.5	5.5	5.1	5.1	6.8	11.4	14.8	15.6	16.9	18.1	19.0
137.5°	4.6	4.6	4.2	4.2	4.6	9.3	12.7	13.5	15.2	16.9	17.7
140°	3.8	3.8	3.8	3.4	3.4	6.8	10.5	11.8	13.5	15.2	16.0
142.5°	3.4	3.0	3.0	3.0	3.0	4.2	8.0	10.1	11.4	13.5	14.3
145°	2.5	2.5	2.5	2.1	2.1	2.5	5.5	7.2	8.4	11.0	11.8
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: P182299

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2.5°	49.8	50.6	51.9	51.9	52.3	52.3	52.3	53.6	54.9	54.9	54.9
5°	52.7	53.6	54.9	55.3	54.4	53.2	51.9	51.9	54.4	55.7	55.7
7.5°	51.9	53.2	54.0	53.6	52.7	54.9	58.7	56.1	54.4	56.1	56.1
10°	51.1	51.5	51.1	53.6	57.0	56.5	55.7	58.2	58.2	60.3	63.3
12.5°	51.9	52.3	52.3	53.2	54.4	57.4	62.9	63.3	62.5	62.5	63.3
15°	55.3	55.7	55.7	56.1	57.0	59.1	66.3	71.7	76.4	74.3	78.5
17.5°	62.0	62.9	62.9	63.3	63.3	66.7	71.3	78.1	83.1	82.7	84.4
20°	73.4	73.4	73.4	73.4	75.1	78.9	81.9	87.4	92.4	91.6	89.9
22.5°	80.6	79.8	81.0	80.6	86.5	90.3	94.9	98.3	103.0	103.8	102.5
25°	91.6	91.2	90.7	91.6	97.1	102.5	108.9	112.7	115.6	116.5	116.5
27.5°	108.0	106.3	105.5	108.0	111.8	117.7	122.8	127.0	131.2	132.5	132.1
30°	129.6	127.4	124.1	130.4	128.3	133.4	138.0	143.9	149.0	150.7	150.2
32.5°	147.3	143.5	140.1	146.4	148.5	150.2	155.3	162.5	168.8	170.5	170.1
35°	172.6	167.1	160.8	161.6	163.7	166.3	175.1	182.3	186.9	188.6	187.8
37.5°	202.1	196.2	186.5	183.6	186.1	185.7	193.7	203.4	208.5	208.9	208.0
40°	244.3	240.5	223.7	216.1	205.9	206.8	214.4	225.8	231.3	233.4	231.7
42.5°	292.4	285.7	265.4	245.6	238.0	231.7	238.0	251.5	259.9	262.1	259.5
45°	399.6	381.5	346.0	306.8	268.4	259.5	266.3	283.2	290.3	288.6	285.7
47.5°	528.8	496.3	443.1	380.2	330.0	295.0	300.0	316.1	324.5	323.7	320.7
50°	638.1	607.7	528.3	459.6	390.8	346.0	339.7	360.4	362.5	349.4	346.5
52.5°	758.7	725.4	638.9	530.0	440.1	401.7	391.6	403.4	392.0	371.4	368.4
55°	842.3	799.3	700.9	570.5	479.8	443.5	440.6	439.7	426.2	405.1	400.1
57.5°	875.6	836.4	711.9	570.1	496.3	475.2	476.9	488.7	483.2	449.8	443.5
58°	866.8	822.9	693.8	577.3	493.7	476.9	483.2	499.6	493.3	460.8	454.1
60°	797.6	774.4	625.8	544.4	492.9	483.6	512.7	543.5	546.1	510.2	504.7
62.5°	638.1	617.8	517.8	478.5	453.6	489.1	545.2	593.3	592.5	550.7	541.0
65°	336.3	336.8	336.3	339.3	410.6	485.3	566.7	631.3	643.5	606.0	594.6
67.5°	133.4	137.6	164.2	223.2	335.5	454.1	576.4	665.1	687.9	651.1	642.3
70°	95.8	100.9	130.8	190.3	287.4	427.1	562.9	672.2	711.9	684.9	679.4
72.5°	88.2	91.6	119.0	174.3	263.3	395.4	546.1	684.5	726.3	704.3	697.6
75°	86.5	88.6	111.4	159.5	235.9	358.7	515.3	641.0	672.2	650.3	637.2
77.5°	84.4	84.8	103.4	143.9	203.8	308.5	435.5	538.9	538.9	514.0	501.8
80°	79.3	78.5	94.1	126.2	173.0	251.1	337.2	395.8	387.4	369.7	357.0
82.5°	74.7	72.6	85.7	109.7	147.3	200.9	247.3	281.0	270.9	256.6	248.6
85°	68.8	66.3	76.8	96.6	123.2	152.8	187.4	205.1	195.4	178.5	175.1
87.5°	55.3	54.9	65.4	82.7	97.9	121.1	140.9	147.3	133.8	116.9	114.4
90°	42.6	43.9	54.9	68.4	78.5	93.3	102.1	97.5	84.4	73.0	70.1
92.5°	34.2	35.9	46.0	56.1	64.1	69.2	70.9	65.0	58.2	51.9	50.2
95°	31.6	32.1	39.7	47.7	51.9	53.6	51.5	46.8	43.5	40.1	38.8
97.5°	32.5	32.5	37.1	42.2	43.9	43.0	40.5	36.3	33.8	31.2	30.0
100°	33.8	32.9	35.0	38.0	37.1	35.9	33.3	29.5	27.0	24.5	23.6
102.5°	32.5	31.2	31.6	33.3	32.1	30.8	28.3	24.9	21.9	19.4	19.0
105°	30.4	29.1	28.3	29.1	28.3	27.0	24.9	21.1	18.1	15.6	15.2
107.5°	28.3	27.0	25.7	25.7	25.3	24.1	21.5	18.6	15.2	12.7	12.7



REPORT NUMBER: P182299

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-8030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	27.0	25.3	23.6	22.8	22.4	21.1	19.0	16.0	12.7	10.5	10.5
112.5°	26.2	24.5	21.9	20.7	19.8	19.0	17.3	14.3	11.0	9.3	8.9
115°	24.9	23.2	20.7	19.4	18.1	17.3	15.6	13.1	9.7	8.4	8.0
117.5°	25.3	23.2	20.7	19.0	17.3	16.0	14.3	11.8	8.4	7.6	7.6
120°	25.3	23.2	20.3	18.1	16.9	15.2	13.5	10.1	7.6	7.2	7.2
122.5°	24.5	23.2	20.3	17.7	16.0	14.8	12.2	8.9	6.8	6.8	6.8
125°	24.1	22.8	20.7	18.1	16.0	13.9	11.4	7.6	6.8	6.3	6.3
127.5°	23.6	22.4	20.3	17.7	15.2	13.1	9.7	6.8	6.3	6.3	6.3
130°	22.4	21.5	19.4	16.9	14.3	11.8	8.0	5.9	5.5	5.9	5.9
132.5°	21.1	20.3	18.1	15.6	12.7	9.7	6.8	5.5	5.1	5.5	5.5
135°	19.4	18.6	16.5	13.9	11.0	8.4	5.5	4.6	4.6	4.6	4.6
137.5°	17.7	17.7	15.6	12.2	9.7	6.8	4.2	3.8	3.8	4.2	4.2
140°	16.0	16.0	13.9	11.0	8.0	5.1	3.4	3.4	3.4	3.8	3.8
142.5°	14.3	14.3	12.2	9.3	6.3	3.4	2.5	2.5	3.0	3.0	3.0
145°	12.2	11.8	10.1	7.2	4.2	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)