

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: P182300

Luminaire Tested: **LXF-E01-LED-E-U-ASYM-BK-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P182300
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-7030
Description: LEXINGTON LED OUTDOOR LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - ASYMMETRIC
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2415.7 lumens
Efficiency: N/A
Efficacy: 97.8 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

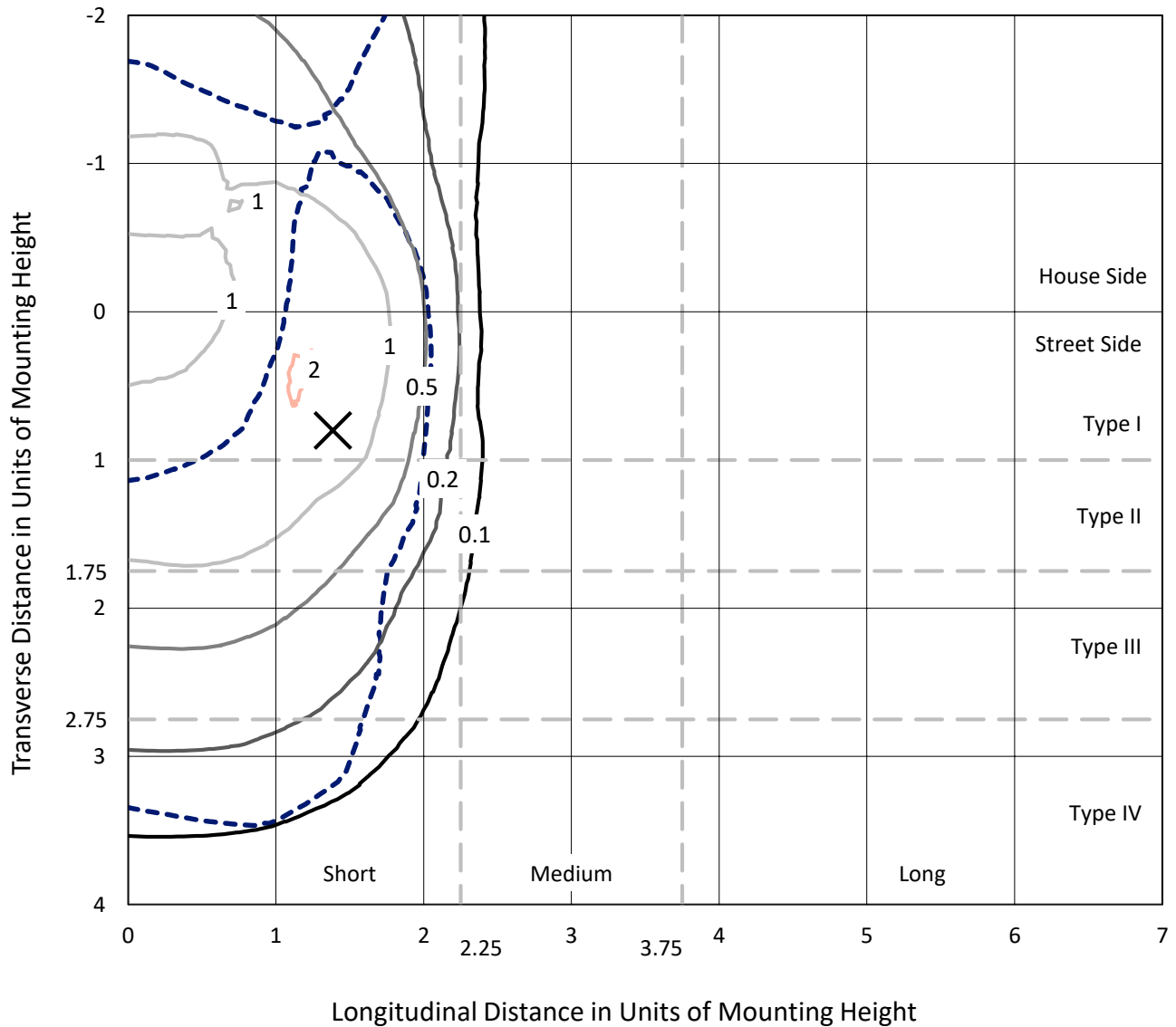
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

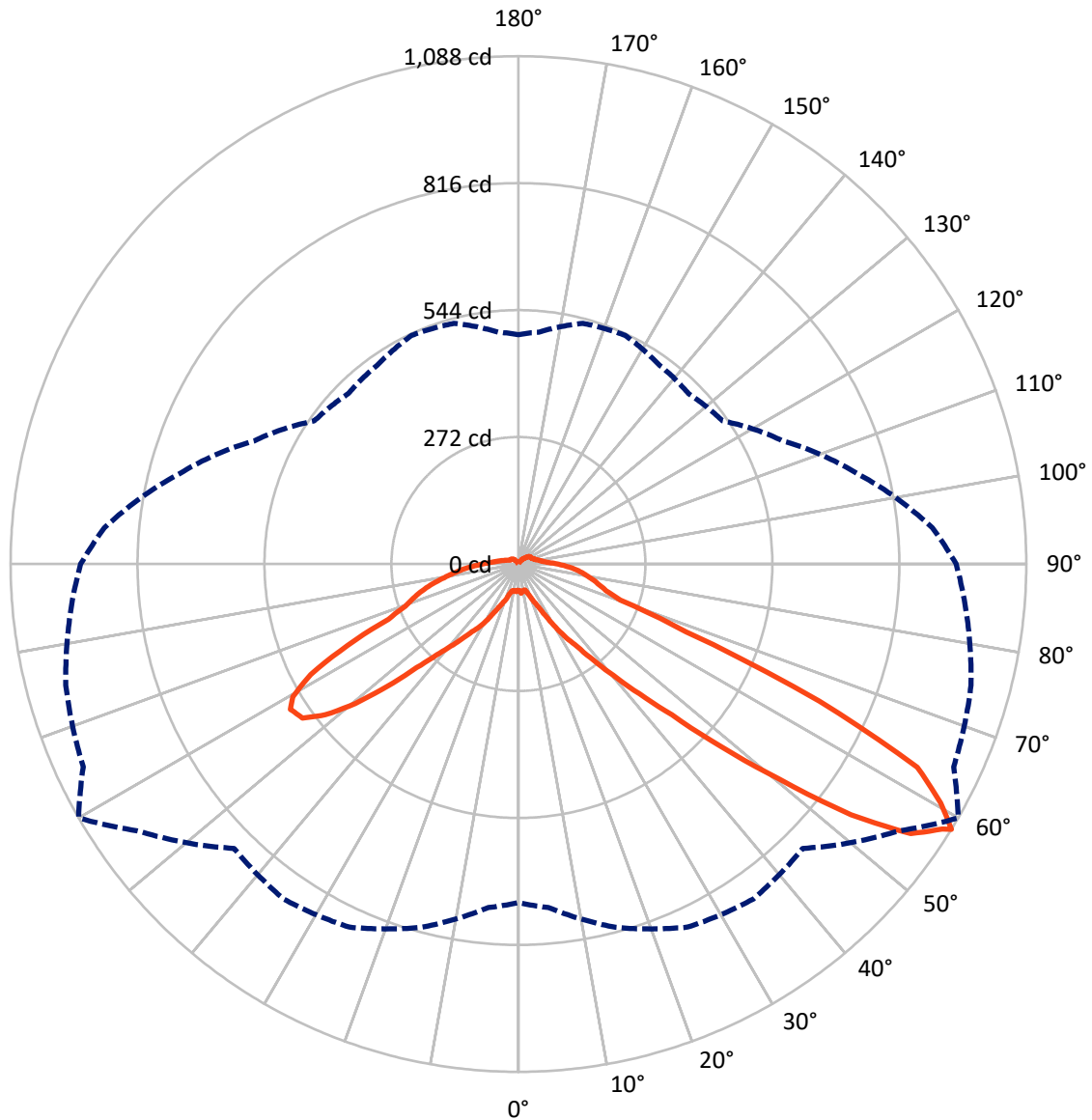
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 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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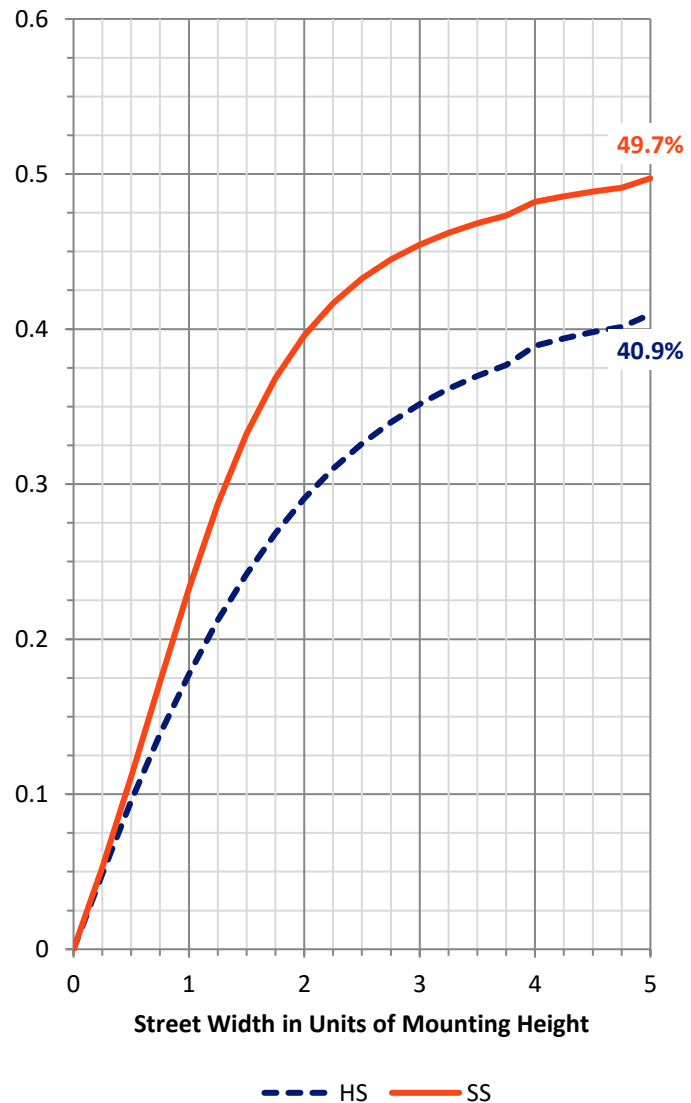
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1033.1	64.3	1097.3
	% Fixture	42.8	2.7	45.4
Street Side	Lumens	1247.9	70.5	1318.4
	% Fixture	51.7	2.9	54.6
Total	Lumens	2280.9	134.8	2415.7
	% Fixture	94.4	5.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.2
10°-20°	20.4	0.8
20°-30°	54.6	2.3
30°-40°	132.4	5.5
40°-50°	310.6	12.9
50°-60°	621.4	25.7
60°-70°	599.5	24.8
70°-80°	369.9	15.3
80°-90°	166.4	6.9
90°-100°	57.0	2.4
100°-110°	30.5	1.3
110°-120°	20.3	0.8
120°-130°	15.2	0.6
130°-140°	9.0	0.4
140°-150°	2.8	0.1
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2280.9	94.4
0°-180°	2415.7	100.0



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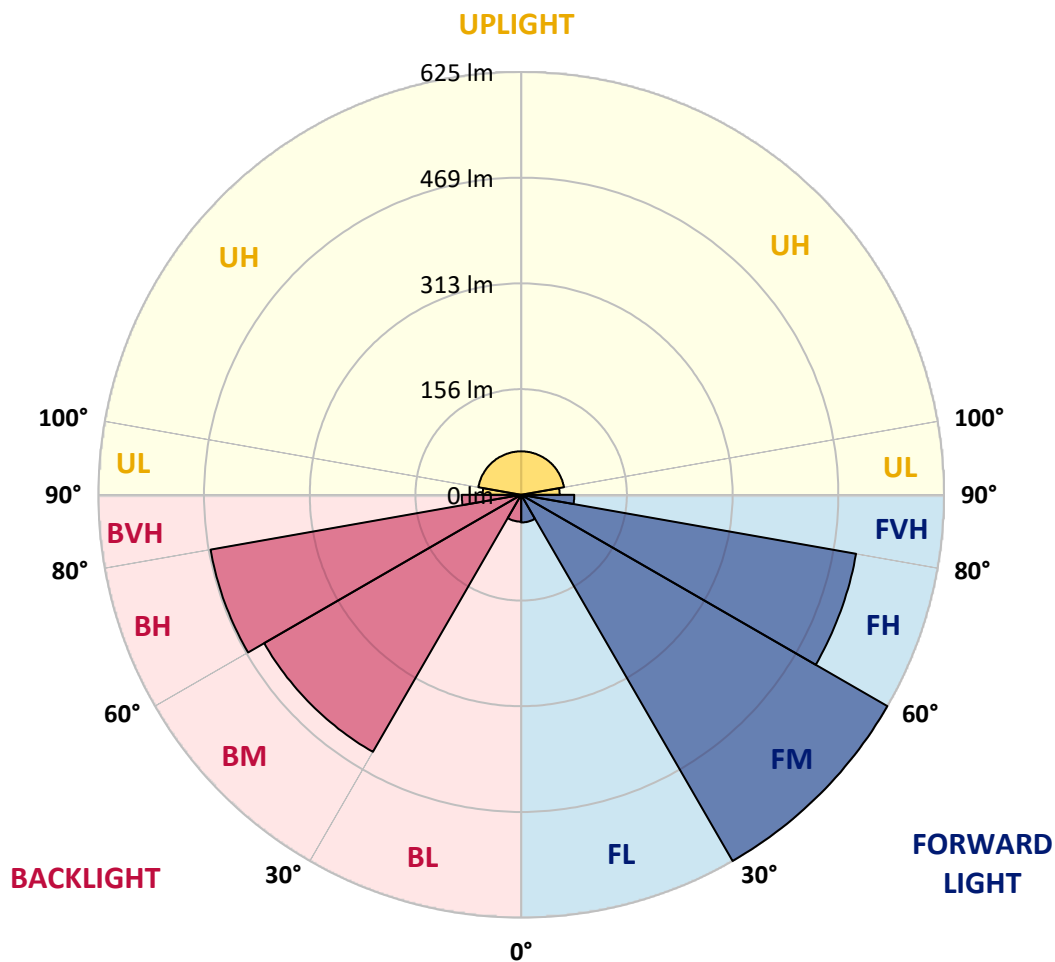
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	40.9	1.7			
FM	(30°-60°)	625.4	25.9			
FH	(60°-80°)	503.0	20.8			G0/660
FVH	(80°-90°)	78.6	3.3			G1/100
BL	(0°-30°)	39.7	1.6	B0/110		
BM	(30°-60°)	439.0	18.2	B1/1000		
BH	(60°-80°)	466.5	19.3	B1/500		G1/500
BVH	(80°-90°)	87.9	3.6			G1/100
UL	(90°-100°)	57.0	2.4		U3/500	
UH	(100°-180°)	64.3	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°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	63.0	62.6	60.7	59.8	58.5	58.0	57.1	57.1	56.6	54.8	54.3
5°	60.3	59.8	57.5	56.6	58.5	60.3	61.7	63.0	61.7	59.4	56.2
7.5°	64.4	64.8	62.1	63.9	66.2	59.4	58.0	59.4	59.8	59.4	56.2
10°	68.5	67.1	64.8	64.8	63.0	63.5	60.7	58.5	58.0	55.3	54.3
12.5°	72.6	70.3	72.2	72.6	69.4	63.0	58.0	57.1	56.2	55.3	55.7
15°	88.6	82.2	84.5	77.2	72.6	64.4	60.3	59.8	59.4	59.4	59.8
17.5°	92.2	87.2	90.9	89.1	77.2	70.8	67.1	66.7	65.8	65.8	66.7
20°	104.1	104.1	105.9	96.8	87.2	82.7	78.1	77.2	75.8	75.8	78.5
22.5°	117.4	112.8	114.2	107.8	103.7	98.6	93.2	89.5	86.8	87.7	87.7
25°	125.6	127.0	128.3	124.7	120.6	114.6	109.1	104.6	102.3	100.9	99.1
27.5°	149.3	149.8	149.3	145.7	142.5	135.6	131.1	127.9	125.6	120.1	118.3
30°	174.4	175.8	175.8	171.3	167.6	159.4	158.0	157.1	153.0	144.8	142.5
32.5°	203.7	204.6	205.0	201.9	194.1	194.1	191.8	188.2	186.3	173.1	163.0
35°	239.3	240.7	240.2	237.5	229.7	220.1	218.7	216.9	215.6	204.6	196.8
37.5°	277.2	278.1	281.8	275.4	264.9	257.6	264.0	262.1	261.7	245.2	231.1
40°	317.8	319.2	325.6	320.1	310.1	307.3	312.8	313.3	313.7	299.1	284.1
42.5°	367.6	368.1	373.1	372.2	364.4	360.3	370.4	380.0	381.3	358.9	339.8
45°	434.3	434.8	445.7	438.4	431.1	416.0	454.8	461.2	476.8	454.8	448.0
47.5°	499.1	501.4	516.5	514.2	508.7	508.7	582.7	584.1	624.7	627.0	598.7
50°	556.2	563.1	590.0	601.4	618.8	629.8	731.1	724.3	767.7	766.3	726.1
52.5°	626.1	633.9	661.3	691.4	716.5	738.9	845.8	892.8	890.1	896.9	854.4
55°	669.9	681.4	738.4	783.2	780.0	822.5	948.5	1019.8	982.8	990.5	946.2
57.5°	717.4	729.3	794.6	845.8	861.3	870.0	996.5	1071.4	1014.3	996.9	980.5
58°	725.7	738.9	806.0	858.5	876.8	861.7	996.5	1088.3	1028.9	1004.2	960.4
60°	752.1	765.8	838.0	898.7	902.4	883.2	1018.8	1039.8	983.7	925.2	895.1
62.5°	785.9	801.9	869.5	891.0	901.9	846.7	933.4	959.0	865.9	806.5	733.0
65°	767.7	786.4	863.6	878.2	819.7	780.9	771.8	708.3	604.6	462.2	403.2
67.5°	732.5	750.3	805.1	800.6	714.2	563.1	485.9	387.7	293.2	184.5	154.4
70°	657.6	673.6	722.0	692.3	587.3	398.7	284.1	232.0	189.5	136.1	112.8
72.5°	558.5	572.2	606.5	578.6	475.4	331.1	228.8	196.8	168.1	124.7	105.0
75°	466.7	474.5	504.2	485.9	399.6	287.7	206.4	179.0	155.3	120.6	105.0
77.5°	398.2	401.9	420.1	405.5	343.0	252.1	188.2	164.4	145.2	114.2	100.9
80°	311.5	316.0	335.2	338.4	285.4	221.9	168.1	147.5	132.4	104.6	92.7
82.5°	235.6	238.8	257.6	263.5	234.7	187.2	149.3	132.9	119.6	95.4	87.2
85°	159.8	160.7	179.9	195.0	183.1	154.4	131.1	116.5	105.5	85.9	79.0
87.5°	103.2	103.7	116.9	132.9	136.5	123.3	109.6	97.7	88.6	70.8	61.7
90°	70.8	71.7	79.5	90.4	98.6	96.4	89.5	79.5	72.2	55.7	46.1
92.5°	53.0	53.4	58.0	65.3	71.7	74.4	71.2	63.9	56.6	43.4	35.6
95°	42.0	41.6	45.2	50.7	56.2	60.3	59.8	53.9	47.5	36.5	32.0
97.5°	34.3	34.3	37.4	41.1	46.1	51.6	52.5	48.4	43.8	35.2	32.9
100°	29.2	29.2	31.1	34.7	39.3	44.8	47.0	44.3	41.6	34.3	34.3
102.5°	24.7	24.7	26.0	29.7	34.3	39.7	42.0	40.2	38.4	32.0	32.9
105°	20.6	20.6	21.9	25.1	30.6	35.6	37.9	37.0	35.6	28.8	31.1
107.5°	16.9	16.9	18.3	21.9	27.4	33.3	35.6	35.2	33.8	27.9	29.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
110°	14.2	14.2	15.5	19.6	24.7	29.7	33.3	32.9	32.0	28.8	29.2
112.5°	11.9	11.9	13.2	17.8	22.8	27.4	30.6	31.1	30.1	29.7	28.3
115°	10.5	10.5	11.4	16.4	21.9	26.9	30.1	30.6	29.7	29.7	27.4
117.5°	9.6	9.6	10.5	15.1	20.6	25.6	29.2	30.6	30.6	30.6	28.8
120°	9.1	9.1	9.6	13.7	18.7	23.3	27.4	29.2	29.7	30.6	29.2
122.5°	8.7	8.7	8.7	11.9	17.4	21.5	26.5	28.8	28.8	30.1	27.9
125°	8.2	8.2	8.2	10.0	16.0	21.0	25.1	27.4	27.9	29.2	26.9
127.5°	7.8	7.8	7.8	8.7	14.2	19.6	23.7	25.1	25.6	27.4	26.0
130°	7.3	7.3	7.3	7.3	11.9	17.4	21.0	21.9	22.8	24.7	24.2
132.5°	6.9	6.9	6.4	6.4	10.0	14.6	18.3	18.7	20.1	22.4	22.8
135°	5.9	5.9	5.5	5.5	7.3	12.3	16.0	16.9	18.3	19.6	20.6
137.5°	5.0	5.0	4.6	4.6	5.0	10.0	13.7	14.6	16.4	18.3	19.2
140°	4.1	4.1	4.1	3.7	3.7	7.3	11.4	12.8	14.6	16.4	17.4
142.5°	3.7	3.2	3.2	3.2	3.2	4.6	8.7	11.0	12.3	14.6	15.5
145°	2.7	2.7	2.7	2.3	2.3	2.7	5.9	7.8	9.1	11.9	12.8
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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2.5°	53.9	54.8	56.2	56.2	56.6	56.6	56.6	58.0	59.4	59.4	59.4
5°	57.1	58.0	59.4	59.8	58.9	57.5	56.2	56.2	58.9	60.3	60.3
7.5°	56.2	57.5	58.5	58.0	57.1	59.4	63.5	60.7	58.9	60.7	60.7
10°	55.3	55.7	55.3	58.0	61.7	61.2	60.3	63.0	63.0	65.3	68.5
12.5°	56.2	56.6	56.6	57.5	58.9	62.1	68.0	68.5	67.6	67.6	68.5
15°	59.8	60.3	60.3	60.7	61.7	63.9	71.7	77.6	82.7	80.4	84.9
17.5°	67.1	68.0	68.0	68.5	68.5	72.2	77.2	84.5	90.0	89.5	91.3
20°	79.5	79.5	79.5	79.5	81.3	85.4	88.6	94.5	100.0	99.1	97.3
22.5°	87.2	86.3	87.7	87.2	93.6	97.7	102.8	106.4	111.4	112.3	111.0
25°	99.1	98.6	98.2	99.1	105.0	111.0	117.8	121.9	125.1	126.0	126.0
27.5°	116.9	115.1	114.2	116.9	121.0	127.4	132.9	137.5	142.0	143.4	142.9
30°	140.2	137.9	134.3	141.1	138.8	144.3	149.3	155.7	161.2	163.0	162.6
32.5°	159.4	155.3	151.6	158.5	160.7	162.6	168.1	175.8	182.7	184.5	184.0
35°	186.8	180.8	174.0	174.9	177.2	179.9	189.5	197.3	202.3	204.1	203.2
37.5°	218.7	212.4	201.9	198.7	201.4	200.9	209.6	220.1	225.6	226.1	225.1
40°	264.4	260.3	242.0	233.8	222.9	223.8	232.0	244.3	250.3	252.5	250.7
42.5°	316.5	309.2	287.2	265.8	257.6	250.7	257.6	272.2	281.3	283.6	280.9
45°	432.5	412.8	374.5	332.0	290.4	280.9	288.2	306.4	314.2	312.4	309.2
47.5°	572.2	537.0	479.5	411.5	357.1	319.2	324.7	342.0	351.2	350.3	347.1
50°	690.5	657.6	571.8	497.3	422.9	374.5	367.6	390.0	392.3	378.1	374.9
52.5°	821.1	785.0	691.4	573.6	476.3	434.8	423.8	436.6	424.3	401.9	398.7
55°	911.5	864.9	758.5	617.4	519.2	480.0	476.8	475.9	461.2	438.4	432.9
57.5°	947.6	905.1	770.4	617.0	537.0	514.2	516.0	528.8	522.9	486.8	480.0
58°	938.0	890.5	750.8	624.7	534.3	516.0	522.9	540.7	533.9	498.7	491.4
60°	863.1	838.0	677.2	589.1	533.4	523.3	554.9	588.2	590.9	552.1	546.2
62.5°	690.5	668.6	560.3	517.9	490.9	529.3	590.0	642.1	641.2	596.0	585.5
65°	364.0	364.4	364.0	367.2	444.3	525.2	613.3	683.2	696.4	655.8	643.5
67.5°	144.3	148.9	177.6	241.6	363.1	491.4	623.8	719.7	744.4	704.6	695.1
70°	103.7	109.1	141.6	206.0	311.0	462.2	609.2	727.5	770.4	741.2	735.2
72.5°	95.4	99.1	128.8	188.6	285.0	427.9	590.9	740.7	785.9	762.2	754.9
75°	93.6	95.9	120.6	172.6	255.3	388.2	557.6	693.7	727.5	703.7	689.6
77.5°	91.3	91.8	111.9	155.7	220.6	333.8	471.3	583.2	583.2	556.2	543.0
80°	85.9	84.9	101.8	136.5	187.2	271.7	364.9	428.4	419.2	400.0	386.3
82.5°	80.8	78.5	92.7	118.7	159.4	217.4	267.6	304.1	293.2	277.7	269.0
85°	74.4	71.7	83.1	104.6	133.3	165.3	202.8	221.9	211.4	193.2	189.5
87.5°	59.8	59.4	70.8	89.5	105.9	131.1	152.5	159.4	144.8	126.5	123.8
90°	46.1	47.5	59.4	74.0	84.9	100.9	110.5	105.5	91.3	79.0	75.8
92.5°	37.0	38.8	49.8	60.7	69.4	74.9	76.7	70.3	63.0	56.2	54.3
95°	34.3	34.7	42.9	51.6	56.2	58.0	55.7	50.7	47.0	43.4	42.0
97.5°	35.2	35.2	40.2	45.7	47.5	46.6	43.8	39.3	36.5	33.8	32.4
100°	36.5	35.6	37.9	41.1	40.2	38.8	36.1	32.0	29.2	26.5	25.6
102.5°	35.2	33.8	34.3	36.1	34.7	33.3	30.6	26.9	23.7	21.0	20.6
105°	32.9	31.5	30.6	31.5	30.6	29.2	26.9	22.8	19.6	16.9	16.4
107.5°	30.6	29.2	27.9	27.9	27.4	26.0	23.3	20.1	16.4	13.7	13.7



REPORT NUMBER: P182300

CATALOG NUMBER: LXF-E01-LED-E-U-ASYM-BK-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	29.2	27.4	25.6	24.7	24.2	22.8	20.6	17.4	13.7	11.4	11.4
112.5°	28.3	26.5	23.7	22.4	21.5	20.6	18.7	15.5	11.9	10.0	9.6
115°	26.9	25.1	22.4	21.0	19.6	18.7	16.9	14.2	10.5	9.1	8.7
117.5°	27.4	25.1	22.4	20.6	18.7	17.4	15.5	12.8	9.1	8.2	8.2
120°	27.4	25.1	21.9	19.6	18.3	16.4	14.6	11.0	8.2	7.8	7.8
122.5°	26.5	25.1	21.9	19.2	17.4	16.0	13.2	9.6	7.3	7.3	7.3
125°	26.0	24.7	22.4	19.6	17.4	15.1	12.3	8.2	7.3	6.9	6.9
127.5°	25.6	24.2	21.9	19.2	16.4	14.2	10.5	7.3	6.9	6.9	6.9
130°	24.2	23.3	21.0	18.3	15.5	12.8	8.7	6.4	5.9	6.4	6.4
132.5°	22.8	21.9	19.6	16.9	13.7	10.5	7.3	5.9	5.5	5.9	5.9
135°	21.0	20.1	17.8	15.1	11.9	9.1	5.9	5.0	5.0	5.0	5.0
137.5°	19.2	19.2	16.9	13.2	10.5	7.3	4.6	4.1	4.1	4.6	4.6
140°	17.4	17.4	15.1	11.9	8.7	5.5	3.7	3.7	3.7	4.1	4.1
142.5°	15.5	15.5	13.2	10.0	6.9	3.7	2.7	2.7	3.2	3.2	3.2
145°	13.2	12.8	11.0	7.8	4.6	2.3	2.3	2.3	2.3	2.7	2.7
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)