
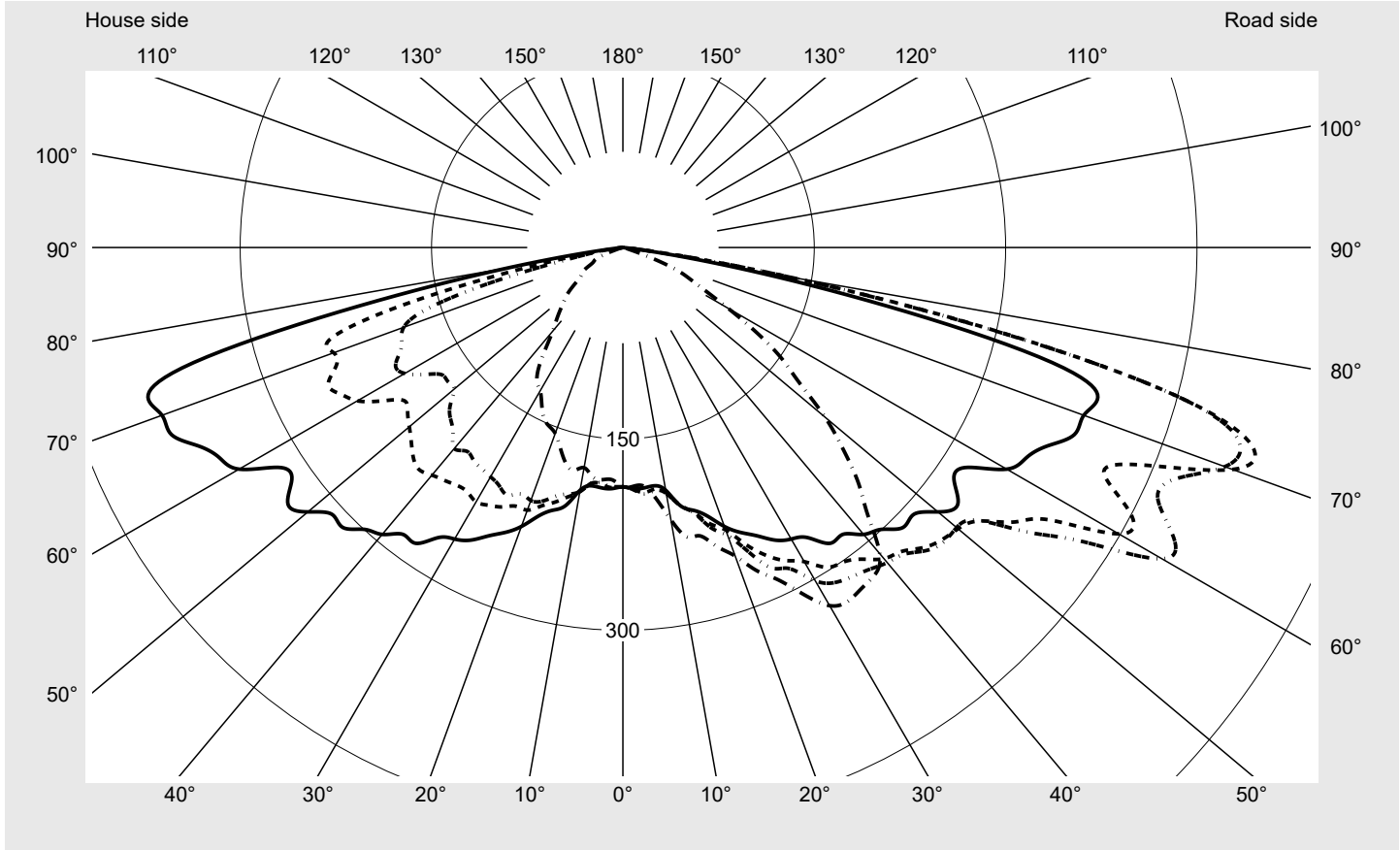


# Photometric test report

<b>Family</b> <b>Streetlight 11 mini LED</b>	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> <b>59599_6</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution with an additional rear light component (ST1.0ST0.5) <b>Cover</b> transparent, PMMA <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 3480 lm Power consumption = 22.7 W Luminous efficacy = 153.3 lm/W	<b>serial documentation</b> <b>23.05.2024</b>



**Luminous intensity in cd/klm** C180-0 C190-10 C195-15 C270-90 **Imax: 517 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

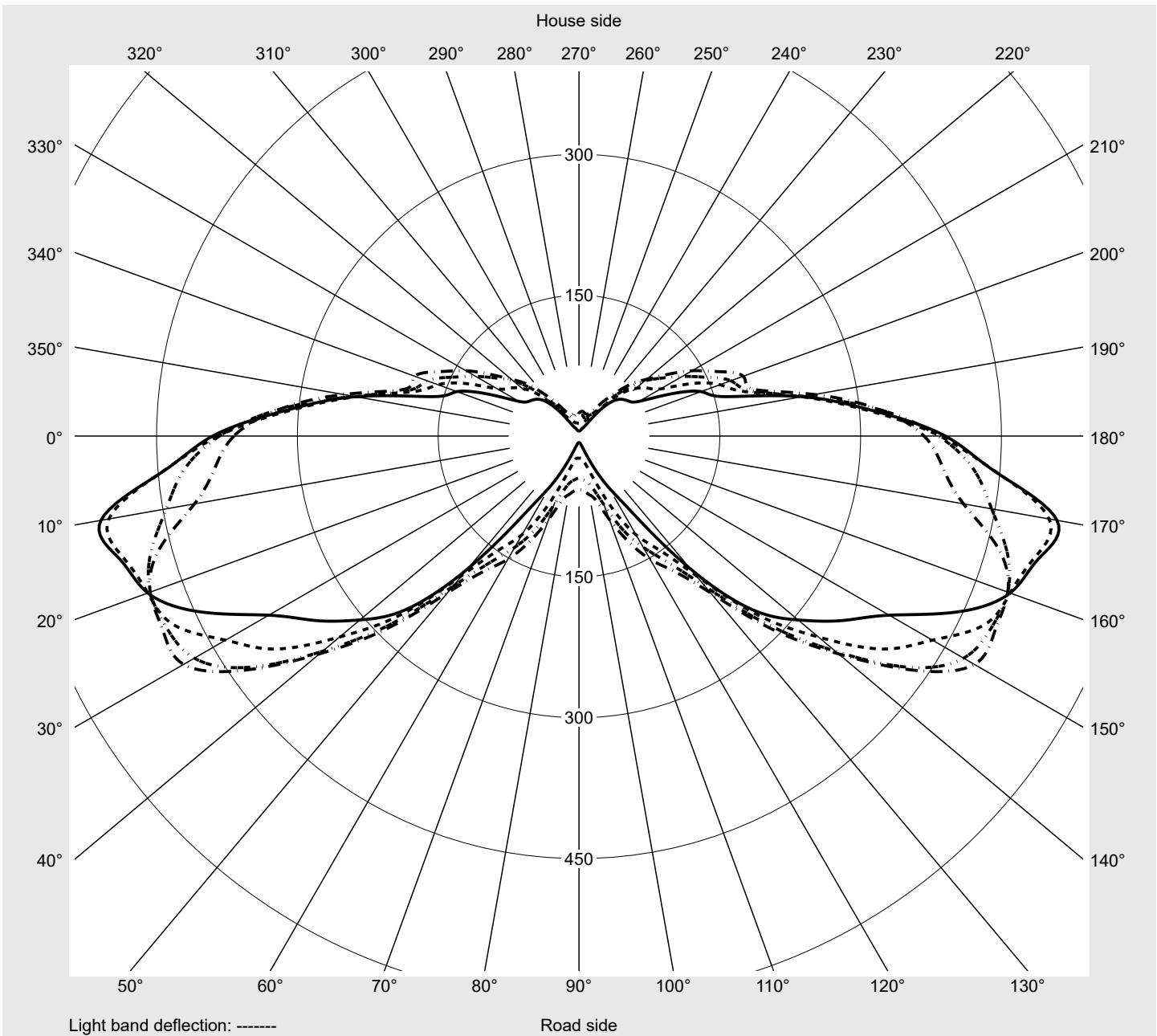
Luminous intensity class acc. to EN13201-2	
Class:	G2
Imax 70°	508.6
Imax 80°	129.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Measurement conditions**  
DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 11 mini LED	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> 59599_6
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**Envelope curve in cd/klm**      **KMK 72.5°**    **KMK 70°**    **KMK 67.5°**    **KMK 65°**      **siteco**



## Photometric test report

<b>Family</b> Streetlight 11 mini LED	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> 59599_6
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	0° 180°	5° 175°	10° 170°	15° 165°	20° 160°	25° 155°	30° 150°	35° 145°	40° 140°	45° 135°	50° 130°	55° 125°	60° 120°
γ	Luminous intensity in cd/klm												
0,0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2,5°	189.1	189.4	189.7	190.1	190.6	191.4	191.4	191.4	191.2	190.9	190.8	190.8	189.9
5,0°	189.1	190.9	192.7	193.8	194.6	195.1	196.0	196.0	196.2	196.1	195.3	193.9	192.8
7,5°	188.4	189.1	190.9	192.0	194.2	196.1	198.2	199.3	198.6	197.2	196.0	195.1	195.6
10,0°	193.1	192.8	194.5	195.7	197.5	199.0	200.7	202.6	203.2	204.5	205.9	206.4	207.3
12,5°	207.1	207.4	206.8	207.0	205.9	204.9	207.6	210.5	213.4	215.9	219.6	221.3	221.0
15,0°	213.2	213.9	215.1	215.3	215.4	216.8	218.3	219.3	221.4	225.0	230.3	233.5	234.7
17,5°	220.8	224.4	227.0	230.5	232.0	233.3	233.1	232.6	231.8	228.7	228.6	234.0	239.3
20,0°	232.7	235.4	235.6	240.2	246.3	248.1	251.0	253.1	250.8	248.0	243.6	243.0	247.2
22,5°	241.8	247.8	251.9	258.6	265.4	268.3	270.2	273.5	273.0	264.4	258.2	259.1	261.4
25,0°	249.4	257.8	266.3	277.3	286.2	290.8	292.6	292.4	289.3	277.1	271.6	273.5	274.2
27,5°	258.6	266.8	276.6	283.8	292.5	300.8	307.3	304.9	298.9	289.9	285.1	281.1	285.8
30,0°	263.8	274.9	284.3	301.7	306.4	311.5	316.4	315.8	311.5	304.2	298.8	295.6	299.7
32,5°	269.6	282.6	297.2	311.1	315.1	325.5	329.9	326.4	325.7	322.3	315.2	311.0	314.7
35,0°	283.0	289.9	301.0	314.5	321.6	329.2	324.5	326.1	326.3	323.5	321.5	317.6	319.1
37,5°	283.4	295.2	307.9	317.8	322.2	328.6	331.2	331.2	328.9	322.7	321.3	313.9	314.8
40,0°	293.5	307.9	318.4	322.3	325.9	332.8	335.7	330.0	329.4	320.2	313.8	310.8	307.8
42,5°	299.7	306.0	323.2	326.0	334.2	341.9	344.5	337.5	327.4	320.8	316.4	311.8	304.4
45,0°	310.4	313.5	332.7	335.9	335.6	345.9	346.1	341.0	334.2	328.8	313.5	298.6	291.8
47,5°	309.4	320.3	339.1	341.3	346.5	357.8	355.3	341.7	336.1	332.7	308.7	279.5	276.5
50,0°	322.4	339.4	343.0	341.5	341.7	354.3	359.8	353.8	335.4	319.9	297.5	273.2	254.5
52,5°	330.8	344.2	352.1	351.2	348.1	359.1	364.3	343.3	324.0	303.4	275.7	247.5	227.2
55,0°	316.8	346.8	375.0	389.5	383.4	376.6	380.4	360.5	332.6	291.1	245.8	224.1	204.6
57,5°	320.7	355.6	397.6	429.8	426.5	416.9	401.5	378.0	334.6	280.5	235.8	208.0	191.6
60,0°	347.4	395.1	448.9	488.1	481.1	459.2	428.0	390.9	339.9	275.8	235.1	206.7	182.0
62,5°	356.6	405.1	447.5	485.3	498.4	483.6	459.4	419.2	348.6	287.8	229.7	195.1	165.7
65,0°	367.6	389.3	415.9	462.5	486.1	489.2	486.4	434.7	360.9	290.9	218.0	175.5	151.5
67,5°	383.1	423.0	446.4	471.8	486.1	484.4	473.2	429.4	356.5	283.3	208.9	163.8	136.7
70,0°	384.5	447.0	508.6	502.2	488.9	476.2	434.8	395.5	332.9	269.7	193.5	147.4	121.4
72,5°	390.3	446.6	517.1	506.5	488.8	443.6	381.6	342.6	304.7	261.8	184.8	101.2	63.2
75,0°	348.3	408.5	449.2	449.2	425.3	358.9	292.4	272.0	244.8	171.5	82.2	30.3	13.1
77,5°	212.3	272.5	293.1	290.5	265.5	234.8	198.2	156.8	93.2	36.0	12.3	5.4	4.9
80,0°	88.8	115.3	129.6	128.3	113.9	98.6	71.2	32.4	10.0	5.0	4.8	4.4	4.0
82,5°	18.0	22.3	25.1	28.5	29.7	20.8	8.6	2.9	3.0	3.1	3.2	3.2	3.0
85,0°	1.5	1.4	1.3	1.3	1.3	1.2	1.0	1.0	1.0	1.0	1.2	1.5	1.6
87,5°	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Photometric test report

<b>Family</b> Streetlight 11 mini LED	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> 59599_6
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
<b>siteco</b>		

C-planes	65° 115°	70° 110°	75° 105°	80° 100°	85° 95°	90°	185° 355°	190° 350°	195° 345°	200° 340°	205° 335°	210° 330°	215° 325°
$\gamma$	Luminous intensity in cd/klm												
0,0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2,5°	189.2	188.2	188.3	188.0	187.9	187.3	188.7	188.5	187.5	186.7	186.8	185.8	185.5
5,0°	191.5	190.3	188.9	187.9	188.1	187.7	188.3	186.6	185.7	185.6	184.8	184.5	184.2
7,5°	196.3	196.3	197.0	197.6	197.9	198.3	187.4	186.2	186.0	185.8	185.3	185.1	184.1
10,0°	208.2	209.6	212.5	214.2	216.3	216.7	193.6	194.4	194.1	193.0	190.7	188.8	186.7
12,5°	221.3	222.9	223.4	227.2	230.8	232.3	204.2	200.3	197.9	195.0	193.3	191.6	190.1
15,0°	236.0	235.5	235.7	236.1	234.6	234.0	211.2	206.7	201.6	197.6	194.8	191.1	187.8
17,5°	242.2	243.1	245.4	246.3	246.0	245.8	217.2	212.3	208.3	202.7	195.6	190.9	187.1
20,0°	252.1	256.1	259.5	258.7	255.8	257.3	226.2	219.0	211.0	203.1	196.5	191.2	186.5
22,5°	266.1	271.5	276.3	276.2	275.1	274.1	229.2	219.4	209.0	200.7	195.1	188.5	181.6
25,0°	280.3	283.3	286.0	287.6	287.1	287.2	235.2	224.3	214.1	200.3	190.1	181.8	176.5
27,5°	290.3	294.9	299.3	304.4	309.3	306.4	243.4	227.7	210.3	195.1	186.9	177.4	168.2
30,0°	301.5	305.0	313.5	320.4	325.3	324.1	247.2	230.2	207.5	192.7	181.8	170.5	160.1
32,5°	315.4	313.3	321.2	331.9	331.4	328.6	252.1	227.1	205.6	190.3	177.7	166.0	157.3
35,0°	321.7	321.5	324.9	334.5	333.3	326.2	256.9	227.4	203.9	185.4	172.9	162.7	154.1
37,5°	317.8	320.7	327.1	328.9	327.0	323.8	257.5	230.0	201.2	181.9	167.3	158.7	151.9
40,0°	307.3	310.5	312.3	313.0	311.4	313.2	259.2	232.9	205.7	182.2	167.4	156.0	145.4
42,5°	305.4	303.1	291.1	288.4	285.4	284.0	267.7	236.2	197.2	174.9	162.2	148.5	139.8
45,0°	290.8	284.4	277.0	272.8	265.0	261.1	275.9	232.4	190.8	167.2	159.5	146.7	134.0
47,5°	270.6	255.9	246.6	242.7	234.4	234.3	272.0	225.0	183.7	166.1	158.9	145.7	131.9
50,0°	241.3	228.6	222.0	212.9	205.7	206.8	273.0	218.6	172.5	164.5	157.6	142.5	128.6
52,5°	214.3	205.4	196.5	180.2	174.2	174.7	269.4	212.7	172.7	162.4	153.3	140.9	125.8
55,0°	190.7	179.3	168.0	149.3	147.3	152.3	261.5	209.3	173.7	162.6	152.1	138.5	125.9
57,5°	172.4	150.1	133.4	126.9	123.7	124.8	270.7	223.7	185.2	166.8	152.0	136.9	120.4
60,0°	153.5	126.7	108.7	103.7	98.3	95.0	283.7	240.3	197.4	180.7	159.1	141.2	120.8
62,5°	137.5	108.9	90.1	82.0	74.6	71.9	301.0	249.2	200.9	188.4	164.4	142.9	116.9
65,0°	123.3	94.4	71.3	63.4	58.7	57.3	321.5	254.8	192.5	186.2	162.5	139.1	114.1
67,5°	109.4	78.0	58.2	49.5	46.5	44.6	321.8	243.5	187.7	172.1	148.4	127.0	107.7
70,0°	86.9	53.4	34.8	26.2	23.6	23.7	309.9	241.2	182.8	159.9	132.1	100.7	89.1
72,5°	35.7	17.6	10.9	8.0	7.2	7.0	313.4	241.5	162.1	138.4	104.7	73.8	64.8
75,0°	6.0	5.1	4.6	4.2	3.8	3.6	256.9	189.9	109.6	95.2	79.3	59.6	52.0
77,5°	4.5	4.1	3.8	3.4	3.0	2.9	160.2	101.0	50.6	48.8	49.7	40.8	30.9
80,0°	3.6	3.2	2.9	2.5	2.2	2.1	62.6	36.5	23.8	23.4	21.7	16.7	10.2
82,5°	2.8	2.5	2.0	1.7	1.5	1.4	12.4	8.0	6.0	5.5	4.8	3.3	2.6
85,0°	1.6	1.5	1.2	0.9	0.7	0.6	1.6	1.6	1.6	1.5	1.5	1.4	1.3
87,5°	0.3	0.3	0.3	0.3	0.1	0.1	0.8	0.8	0.8	0.8	0.7	0.7	0.7
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Photometric test report

<b>Family</b> <b>Streetlight 11 mini LED</b>	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> <b>59599_6</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sITeco</b>

C-planes	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-zone	Total Phi-zone
$\gamma$	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	0.3	0.3
2,5°	184.9	184.3	182.8	182.5	182.9	182.3	182.0	181.5	181.6	182.2	182.4	2.2	2.5
5,0°	183.4	182.4	182.6	182.3	182.0	182.0	181.9	182.3	183.4	183.0	182.7	4.5	7.0
7,5°	183.2	183.3	182.2	181.8	180.9	180.2	180.5	181.0	181.4	182.1	181.4	6.8	13.8
10,0°	185.3	184.9	185.3	185.6	184.5	183.8	182.3	181.0	177.2	176.3	175.2	9.3	23.1
12,5°	188.2	185.6	184.4	184.6	183.6	182.2	180.8	179.6	179.7	179.1	178.8	12.0	35.1
15,0°	185.3	183.5	181.4	179.6	177.4	176.4	174.6	174.8	175.5	174.7	174.3	14.6	49.7
17,5°	183.8	180.2	176.7	173.6	171.5	169.0	166.5	166.3	166.5	165.1	163.9	17.3	67.0
20,0°	180.6	178.8	175.2	170.8	168.8	166.9	163.2	159.9	157.7	156.3	155.1	20.2	87.3
22,5°	176.9	171.7	169.0	166.0	163.9	160.2	158.0	157.1	154.5	152.5	151.4	23.4	110.7
25,0°	170.6	165.6	162.3	159.6	155.4	151.0	148.8	147.9	146.3	146.6	147.0	26.4	137.1
27,5°	163.4	161.2	157.4	153.8	147.7	143.4	140.5	139.9	140.0	137.8	137.9	29.3	166.5
30,0°	154.1	152.3	148.7	142.7	139.5	137.0	135.7	134.0	130.7	129.5	129.7	32.3	198.7
32,5°	150.3	145.6	140.8	135.7	132.8	128.2	124.1	122.4	122.0	123.1	125.2	35.1	233.8
35,0°	146.1	139.9	132.0	126.7	124.1	117.4	111.6	108.6	111.6	114.0	115.1	37.3	271.2
37,5°	141.8	135.1	127.6	120.4	113.6	108.7	105.6	101.3	99.1	99.0	99.1	39.2	310.4
40,0°	137.6	128.7	120.7	111.5	103.5	97.6	94.8	92.9	90.7	87.5	85.6	40.7	351.1
42,5°	130.8	122.7	110.3	103.5	96.6	90.8	86.7	83.7	81.0	78.3	77.1	42.0	393.1
45,0°	126.1	116.1	105.3	96.9	91.3	82.7	80.4	79.2	72.3	68.9	69.6	43.1	436.2
47,5°	118.5	108.0	98.7	89.8	80.1	73.5	71.3	68.3	63.3	60.6	62.9	43.6	479.7
50,0°	116.2	101.3	90.2	84.0	75.4	67.5	63.3	60.4	56.9	55.5	56.8	43.8	523.5
52,5°	113.1	96.2	82.5	75.1	69.1	62.2	55.8	52.4	50.7	49.4	48.5	43.5	567.0
55,0°	109.5	89.8	77.7	67.8	61.2	55.6	49.4	45.7	42.9	41.5	41.1	43.8	610.8
57,5°	105.8	88.0	75.5	61.7	53.6	48.0	42.9	40.0	38.9	38.8	38.3	45.0	655.9
60,0°	104.3	88.1	72.7	56.3	46.8	39.5	36.6	34.8	33.9	34.0	34.7	47.5	703.4
62,5°	97.7	83.9	68.4	53.1	39.0	33.0	30.5	30.0	29.6	28.6	27.7	48.5	751.9
65,0°	94.0	78.2	59.3	44.6	32.3	27.4	24.9	24.9	26.2	26.2	24.9	48.2	800.1
67,5°	91.3	71.2	50.3	33.6	26.9	23.6	20.7	20.3	22.2	22.5	21.6	47.9	848.0
70,0°	78.9	64.3	44.4	28.0	21.7	19.1	16.1	14.6	14.2	13.7	13.2	46.3	894.4
72,5°	60.7	53.7	39.3	20.5	12.0	9.6	7.8	6.3	5.7	5.4	5.3	42.4	936.8
75,0°	42.2	33.3	19.7	10.2	5.1	4.0	3.6	3.5	3.5	3.3	3.3	33.4	970.2
77,5°	22.1	14.1	7.8	4.9	3.3	3.0	2.8	2.6	2.6	2.5	2.4	19.7	989.9
80,0°	6.4	4.3	3.3	3.2	2.4	2.2	2.1	1.9	1.8	1.7	1.7	7.9	997.7
82,5°	2.2	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.1	1.8	999.5
85,0°	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.6	0.6	0.3	999.9
87,5°	0.6	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.3	0.2	0.2	0.1	1000.0
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

## Photometric test report

<b>Family</b> Streetlight 11 mini LED	<b>Order number: 5XC2J51F08GE</b> <b>EAN: 4058352991312</b>	<b>LP number</b> 59599_6
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	3480	22.7	23.4	23.0
95	241	252	3302	21.6	22.2	21.9
90	229	250	3137	20.5	21.0	20.8
85	216	248	2959	19.3	19.9	19.6
80	203	246	2781	18.2	18.7	18.4
75	190	243	2603	17.0	17.5	17.2
70	178	241	2439	15.9	16.4	16.2
65	165	238	2261	14.9	15.2	15.0
60	152	235	2083	13.7	14.0	13.8
55	140	232	1918	12.7	13.0	12.8
50	127	229	1740	11.6	11.8	11.7
45	114	225	1562	10.5	10.8	10.6
40	102	221	1397	9.5	9.8	9.6
35	89	216	1219	8.4	8.6	8.5
30	76	210	1041	7.4	7.5	7.4
25	63	203	863	6.3	6.5	6.4
20	51	195	699	5.4	5.5	5.4
18	45	191	617	4.9	5.0	5.0