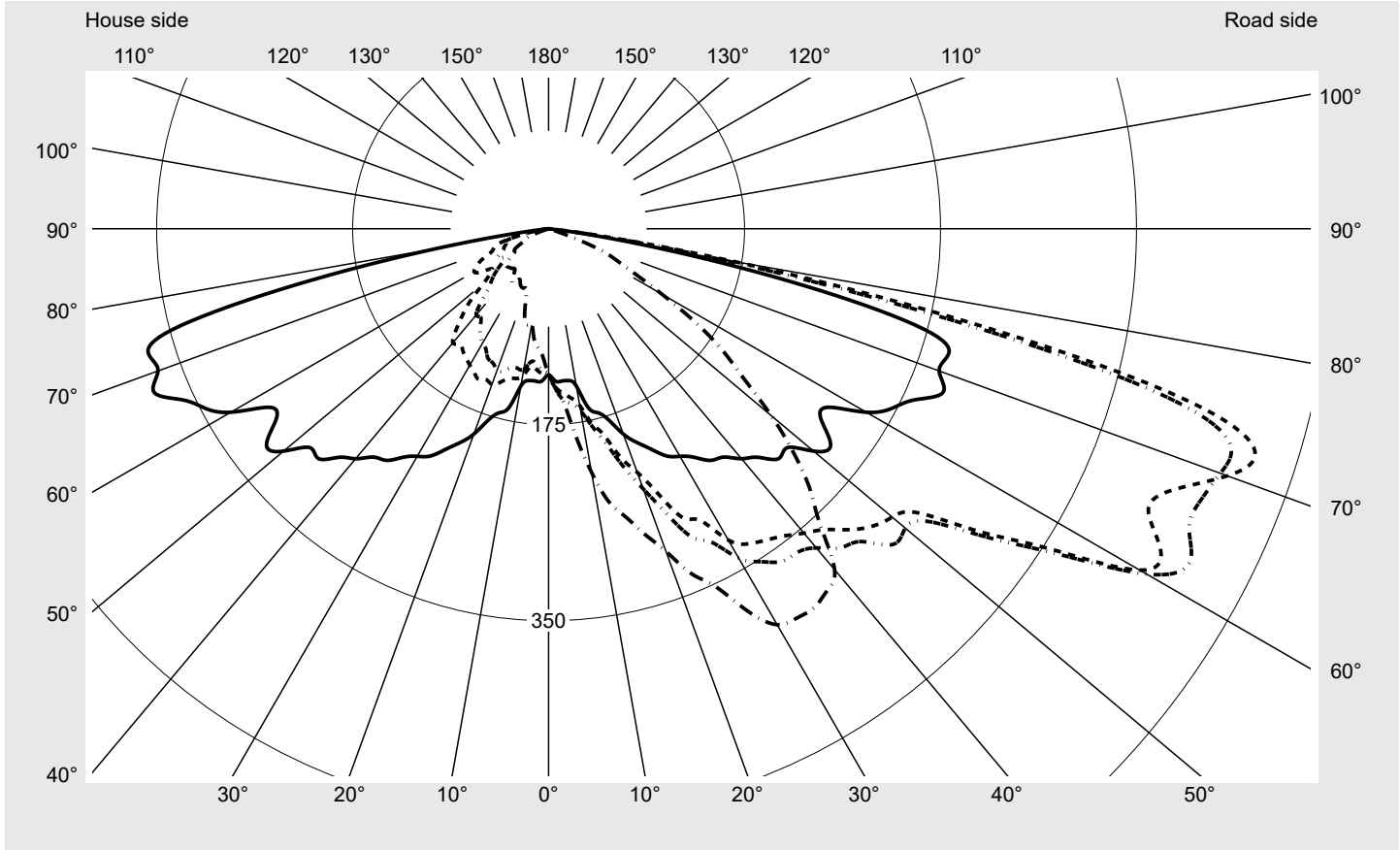


# Photometric test report

<b>Family</b> <b>Streetlight 11 mini LED</b>	<b>Order number: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> <b>59453_271</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extreme wide distribution (ST1.0a) <b>Cover</b> transparent, PMMA <b>Lamps</b> LED 2700 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Setting</b> individual position <b>Rated values</b> Net luminous flux = 3100 lm Power consumption = 23.6 W Luminous efficacy = 131.4 lm/W	<b>serial documentation</b> <b>25.04.2024</b>



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 661 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:	G1
Imax 70°	645.0
Imax 80°	167.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

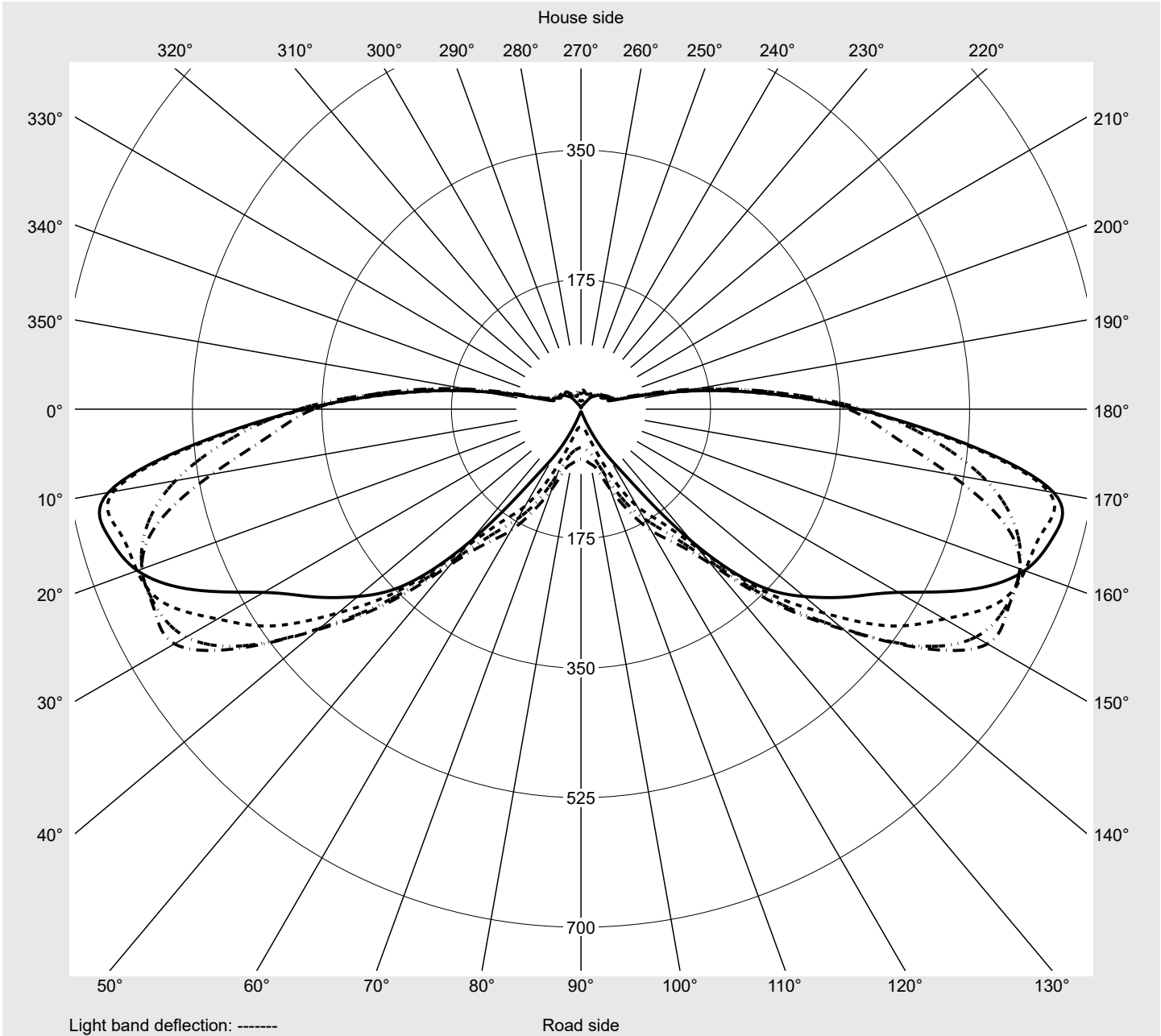
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 11 mini LED	<b>Order number: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> 59453_271
--	--	-------------------------------

**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: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> 59453_271
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

siteco

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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2,5°	136.0	138.5	139.5	141.5	143.1	143.0	142.2	142.5	144.1	144.9	146.0	147.0	146.5
5,0°	136.5	139.7	143.0	147.1	153.5	155.8	154.9	157.2	159.8	161.3	162.4	161.4	159.9
7,5°	136.8	142.1	147.3	152.3	157.6	161.0	165.6	170.9	172.5	171.3	168.7	172.0	177.4
10,0°	142.6	147.8	153.0	160.3	165.1	169.3	177.3	184.1	187.2	191.2	197.2	200.3	201.5
12,5°	163.5	167.3	172.4	177.7	181.1	185.6	192.8	201.2	209.5	215.8	222.2	227.8	228.1
15,0°	170.1	176.4	184.9	190.6	198.6	206.4	211.4	221.4	229.1	235.7	249.5	253.9	257.3
17,5°	179.2	190.7	205.0	214.1	223.0	234.7	240.8	245.8	249.0	249.5	252.7	262.0	271.2
20,0°	195.1	207.0	215.2	231.4	247.2	258.6	268.3	276.9	278.8	279.9	278.5	281.6	289.1
22,5°	206.7	223.1	238.2	256.5	275.4	289.6	298.9	309.0	313.5	307.5	303.6	305.9	310.6
25,0°	217.3	238.7	261.6	285.0	304.1	321.3	330.9	339.9	339.8	328.5	325.0	328.2	331.9
27,5°	228.8	250.7	274.0	293.6	315.7	338.7	353.6	358.1	355.9	348.8	344.1	344.8	350.5
30,0°	234.6	257.8	285.1	320.9	339.6	353.2	369.3	375.8	373.0	369.3	367.3	365.9	370.3
32,5°	242.0	270.2	304.2	333.4	352.5	376.1	390.9	394.3	396.6	397.3	390.7	385.7	391.9
35,0°	252.5	278.7	309.9	339.3	362.7	383.0	387.6	394.2	399.9	400.7	399.8	396.9	399.9
37,5°	257.0	286.3	319.3	345.7	364.5	385.4	398.4	404.7	404.4	401.3	397.7	392.9	395.0
40,0°	268.1	303.0	333.2	354.8	372.0	393.7	405.0	408.1	406.8	400.0	392.0	388.4	386.3
42,5°	276.8	303.3	345.9	364.5	386.3	410.9	422.9	418.4	406.0	399.1	394.1	388.4	385.1
45,0°	290.4	314.6	356.8	380.0	395.0	419.0	427.9	425.9	414.6	410.1	393.1	372.1	367.5
47,5°	289.2	326.3	371.3	392.9	417.2	442.3	443.9	426.0	419.5	419.4	386.4	347.8	344.4
50,0°	308.9	351.5	380.8	400.6	415.9	441.5	454.5	442.7	420.7	400.5	372.2	341.7	317.5
52,5°	317.5	363.9	397.1	416.9	429.8	452.2	458.6	430.6	406.6	377.8	343.7	306.5	283.0
55,0°	297.2	367.5	434.3	472.6	481.5	479.0	482.2	456.7	420.1	362.3	306.7	278.1	254.3
57,5°	296.7	377.7	467.0	532.9	541.4	531.2	516.3	481.5	423.8	352.9	292.5	256.9	237.1
60,0°	327.7	424.7	532.9	609.7	616.7	592.2	550.6	499.9	432.9	346.5	293.2	258.0	225.8
62,5°	346.5	437.1	534.0	615.5	645.4	626.7	593.0	540.4	447.6	365.5	288.9	243.1	205.4
65,0°	361.3	424.1	506.1	591.1	631.1	636.8	634.3	563.0	463.4	371.8	274.1	220.4	189.1
67,5°	381.4	477.6	556.3	606.9	631.1	633.1	615.9	557.5	460.5	362.5	264.1	205.0	170.7
70,0°	371.2	512.4	641.5	645.0	638.4	620.8	567.0	510.7	428.4	345.5	245.1	184.7	151.5
72,5°	374.2	517.9	648.5	661.5	637.8	577.5	495.2	442.1	393.8	335.5	234.2	125.1	75.1
75,0°	347.7	473.1	561.8	587.5	559.1	469.3	379.1	352.4	316.6	217.7	99.9	32.0	9.7
77,5°	231.6	318.2	373.2	380.7	345.4	305.4	256.2	200.5	115.3	39.5	8.3	0.0	0.0
80,0°	101.0	138.7	164.6	167.3	147.4	125.6	89.2	36.7	6.9	0.0	0.0	0.0	0.0
82,5°	20.5	26.6	30.7	35.4	36.7	24.6	7.9	0.0	0.0	0.0	0.0	0.0	0.0
85,0°	0.0	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87,5°	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
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: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> 59453_271
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</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°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5
2,5°	144.8	144.1	144.5	144.0	142.6	142.1	133.5	131.6	129.3	126.9	125.2	124.6	123.8
5,0°	158.2	157.8	158.6	158.1	156.5	155.6	133.0	130.2	125.9	121.7	119.4	118.0	114.8
7,5°	178.7	179.4	181.1	183.4	185.1	186.9	132.9	129.1	124.4	119.7	116.9	115.9	112.8
10,0°	205.7	209.9	211.3	215.8	220.4	220.8	140.7	137.8	133.5	127.5	121.9	117.7	111.5
12,5°	232.7	236.3	237.8	243.2	249.0	250.1	154.5	145.0	136.9	127.7	121.4	117.1	113.6
15,0°	261.2	261.9	264.6	264.9	265.0	266.5	160.7	148.9	138.6	128.1	120.8	113.7	107.5
17,5°	277.5	280.8	283.9	286.2	285.1	286.2	166.3	155.1	143.7	133.1	121.5	111.5	104.3
20,0°	298.0	303.4	307.6	308.4	304.5	306.5	178.5	161.6	148.0	134.3	118.9	109.4	102.2
22,5°	320.7	328.0	334.6	335.8	333.1	333.4	182.1	163.0	145.8	129.8	117.7	105.7	95.7
25,0°	338.4	346.6	350.8	353.0	353.2	352.4	190.0	168.2	148.2	127.8	111.4	98.7	90.7
27,5°	359.7	366.9	370.6	377.0	383.3	384.8	200.1	173.4	144.1	121.3	106.9	93.9	79.2
30,0°	375.7	381.5	390.6	401.2	407.5	408.3	205.1	174.8	140.7	117.5	99.7	85.4	71.7
32,5°	393.6	392.0	404.9	419.2	418.6	412.3	207.4	171.7	136.9	113.1	95.0	80.0	69.1
35,0°	404.5	402.8	409.9	423.8	420.5	413.2	213.2	170.1	133.3	106.3	88.2	76.3	67.6
37,5°	399.5	403.3	410.9	416.6	412.9	408.1	213.8	171.6	130.0	99.6	82.1	71.8	65.5
40,0°	386.3	392.3	396.4	395.6	396.2	397.4	217.2	175.9	133.0	100.6	81.7	68.4	61.2
42,5°	386.4	382.6	367.3	363.4	362.2	359.2	228.1	176.0	122.2	89.8	74.3	61.1	55.4
45,0°	365.8	359.0	351.7	346.0	334.0	330.8	235.4	171.4	108.4	76.4	69.0	58.8	52.0
47,5°	342.4	323.4	311.8	307.1	297.3	297.4	228.3	158.8	93.8	69.4	63.7	55.9	47.6
50,0°	302.7	287.1	278.3	268.0	258.2	259.5	230.0	147.2	75.7	63.0	57.4	50.4	44.1
52,5°	267.1	256.9	246.3	226.1	218.2	219.8	221.6	132.2	65.8	55.3	48.9	43.5	41.7
55,0°	236.1	223.9	208.7	185.6	183.8	190.1	211.1	127.7	62.2	48.9	42.9	40.1	39.1
57,5°	214.9	185.4	166.0	156.8	153.2	155.2	215.4	136.8	71.9	47.9	41.8	36.8	35.6
60,0°	190.0	155.2	132.8	126.9	120.0	116.8	227.3	144.6	76.8	52.7	46.0	38.9	36.5
62,5°	169.1	132.8	109.1	99.1	89.9	86.8	251.8	153.0	72.6	48.8	41.4	37.5	34.4
65,0°	151.1	114.6	84.7	75.2	69.3	67.5	262.0	156.1	66.1	44.4	40.7	36.8	31.7
67,5°	135.0	94.0	68.0	57.8	53.7	51.9	261.8	147.7	56.2	43.0	38.7	36.4	32.8
70,0°	105.8	62.0	38.0	27.3	24.7	24.3	246.4	137.3	52.4	40.5	36.3	34.4	34.0
72,5°	39.1	15.5	7.3	4.1	3.5	3.4	247.9	137.3	48.9	40.1	34.9	31.0	31.9
75,0°	0.8	0.0	0.0	0.0	0.0	0.0	221.1	119.2	39.4	37.2	34.1	29.4	28.2
77,5°	0.0	0.0	0.0	0.0	0.0	0.0	144.4	78.3	25.0	25.1	25.2	20.5	15.8
80,0°	0.0	0.0	0.0	0.0	0.0	0.0	62.8	34.1	12.2	12.0	10.8	6.6	2.1
82,5°	0.0	0.0	0.0	0.0	0.0	0.0	13.0	6.8	2.7	2.6	1.8	0.7	0.0
85,0°	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
87,5°	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
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: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> 59453_271
<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
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	130.5	0.2	0.2
2,5°	122.7	120.0	117.8	117.0	116.9	114.6	112.3	113.9	114.3	113.7	114.7	1.6	1.8
5,0°	111.7	109.2	107.6	107.8	107.6	106.4	106.8	106.6	106.1	106.5	106.6	3.2	5.0
7,5°	109.8	108.4	104.8	100.5	98.9	96.9	95.7	96.6	96.1	97.0	99.1	5.0	10.0
10,0°	107.0	105.7	103.6	102.1	100.6	98.1	97.2	93.4	87.9	86.3	86.3	7.1	17.1
12,5°	108.9	103.0	100.0	97.9	96.7	94.5	92.5	90.1	87.2	86.9	87.7	9.5	26.6
15,0°	102.9	98.9	93.7	89.9	86.2	83.4	81.8	80.9	80.2	81.1	82.5	12.0	38.6
17,5°	97.9	92.0	87.4	83.5	79.7	75.4	71.2	70.8	70.5	69.2	68.3	14.5	53.1
20,0°	94.0	88.2	83.8	80.3	77.8	74.4	69.6	64.6	60.5	58.6	57.5	17.5	70.6
22,5°	87.7	80.7	77.3	76.3	74.7	70.4	67.8	65.8	63.3	59.0	57.3	20.8	91.4
25,0°	82.5	75.7	71.0	69.8	66.1	61.6	60.8	59.7	57.3	56.8	57.3	24.1	115.5
27,5°	74.4	72.4	69.4	66.4	61.7	58.7	57.3	57.1	56.9	55.4	54.9	27.4	142.9
30,0°	64.9	65.9	63.6	59.1	58.8	59.6	58.4	57.0	54.2	52.0	52.1	30.7	173.6
32,5°	64.8	61.8	58.4	57.3	57.7	56.3	53.8	53.2	53.4	55.5	57.3	34.1	207.7
35,0°	62.9	58.8	54.5	54.8	56.4	52.9	48.3	48.1	53.0	56.5	56.7	36.7	244.4
37,5°	60.6	57.7	54.8	53.1	52.5	52.4	51.6	49.2	49.3	50.9	51.0	38.9	283.3
40,0°	57.8	54.5	53.2	51.0	47.8	47.5	49.6	50.7	50.8	48.8	46.9	40.9	324.2
42,5°	54.2	51.8	48.1	46.9	46.8	48.5	49.4	49.8	49.9	48.7	48.0	42.5	366.7
45,0°	52.0	50.5	45.3	46.0	48.5	46.7	50.3	53.4	49.4	48.0	49.1	44.0	410.7
47,5°	44.6	45.0	44.6	44.1	42.0	42.4	45.4	48.7	46.6	46.2	50.1	44.6	455.3
50,0°	42.7	41.3	41.0	44.4	43.6	41.8	43.7	45.3	45.4	47.0	49.3	44.9	500.3
52,5°	42.8	40.1	37.4	40.8	42.8	41.7	39.9	41.4	43.3	44.0	43.9	44.4	544.7
55,0°	39.5	36.8	37.5	39.4	39.1	38.7	37.6	37.9	37.9	37.7	37.2	44.9	589.6
57,5°	37.9	36.2	36.2	35.3	34.2	35.0	34.5	34.9	36.1	36.4	36.3	46.4	636.0
60,0°	36.1	36.7	35.0	31.8	29.8	29.4	31.0	31.5	31.8	32.4	33.0	49.2	685.2
62,5°	31.2	33.6	34.9	30.3	27.4	26.1	26.3	27.8	28.2	27.2	26.2	50.5	735.7
65,0°	29.9	30.4	30.5	26.2	23.6	22.4	21.6	22.8	25.2	25.6	24.1	50.4	786.1
67,5°	30.4	27.7	24.1	21.8	21.1	20.1	18.3	18.6	21.4	21.9	20.8	50.7	836.8
70,0°	32.0	26.4	22.3	18.3	17.7	16.6	13.9	12.3	12.1	11.4	10.9	49.4	886.2
72,5°	29.0	24.5	20.6	12.7	7.4	6.2	4.3	2.6	1.9	1.7	1.6	45.6	931.7
75,0°	24.1	16.9	8.6	3.1	0.8	0.2	0.0	0.0	0.0	0.0	0.0	36.5	968.3
77,5°	10.3	3.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.7	990.0
80,0°	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	998.4
82,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1000.0
85,0°	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
87,5°	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
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: 5XC2MC1F08GE</b> <b>EAN: 4069025076731</b>	<b>LP number</b> 59453_271
--	--	-------------------------------

<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
-----------------------------	---------------------------------	---------------

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	3100	23.6	24.3	24.0
95	241	252	2941	22.4	23.0	22.7
90	229	250	2795	21.3	21.8	21.6
85	216	248	2636	20.1	20.6	20.4
80	203	246	2478	18.9	19.4	19.2
75	190	243	2319	17.7	18.1	17.9
70	178	241	2172	16.6	17.0	16.8
65	165	238	2014	15.5	15.9	15.7
60	152	235	1855	14.3	14.7	14.5
55	140	232	1709	13.3	13.6	13.4
50	127	229	1550	12.2	12.5	12.4
45	114	225	1391	11.0	11.3	11.2
40	102	221	1245	10.0	10.2	10.1
35	89	216	1086	8.9	9.1	9.0
30	76	210	928	7.9	8.1	8.0
25	63	203	769	6.8	6.9	6.8
20	51	195	622	5.8	5.9	5.8
15	38	184	464	4.7	4.8	4.8
12	31	177	378	4.0	4.1	4.0