



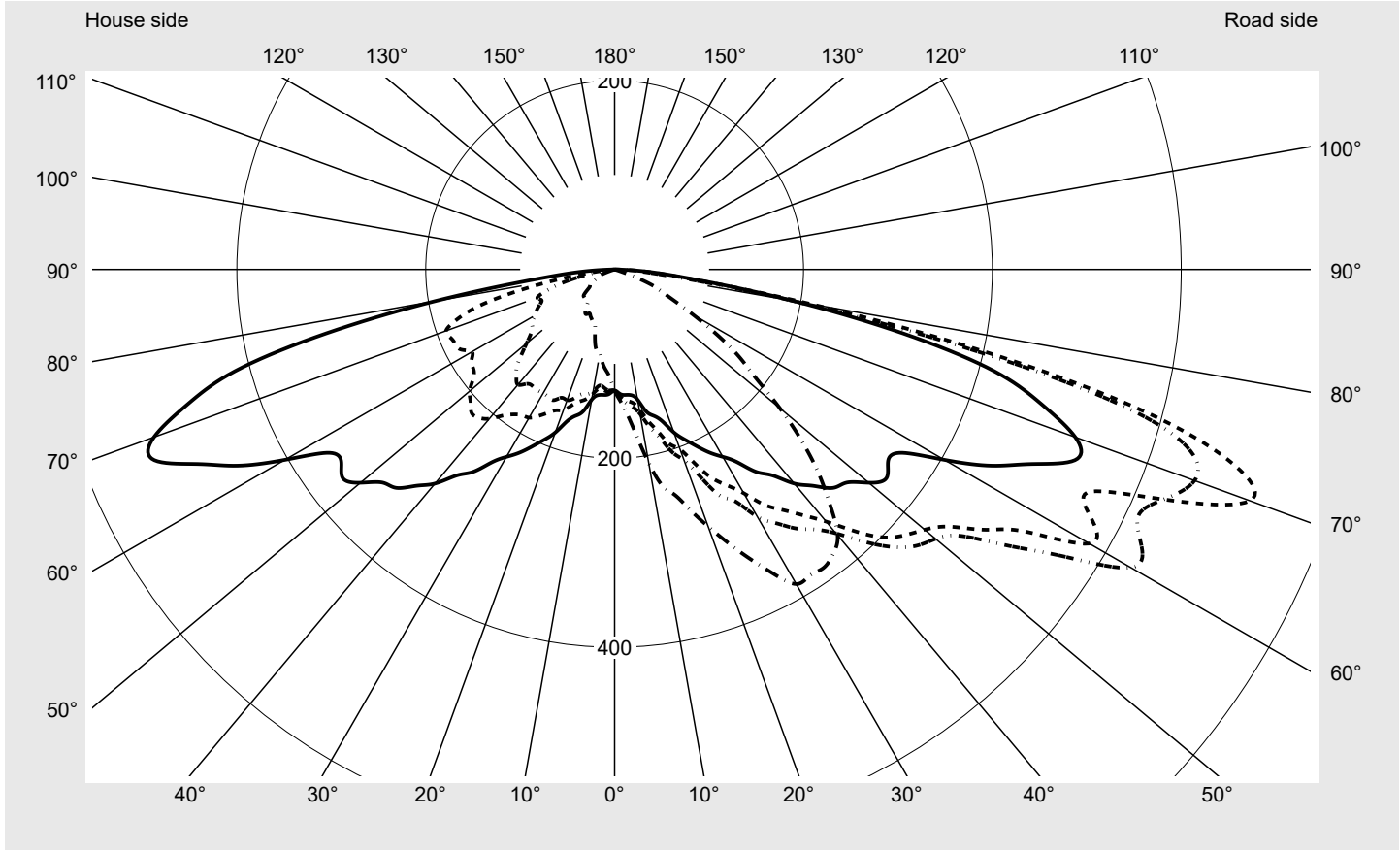
# Photometric test report

<b>Family</b> <b>Streetlight 11 mini LED</b>	<b>Order number: 5XC2K51F08HE</b> <b>EAN: 4058352991459</b>	<b>LP number</b> <b>59352_99</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution with an additional rear light component (ST1.0P1.0) <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 = 8000 lm Power consumption = 58.6 W Luminous efficacy = 136.5 lm/W	<b>serial documentation</b> <b>13.11.2023</b>





**Luminous intensity in cd/klm** C180-0 C190-10 C195-15 C270-90 **Imax: 716 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:	---
Imax 70°	715.9
Imax 80°	211.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

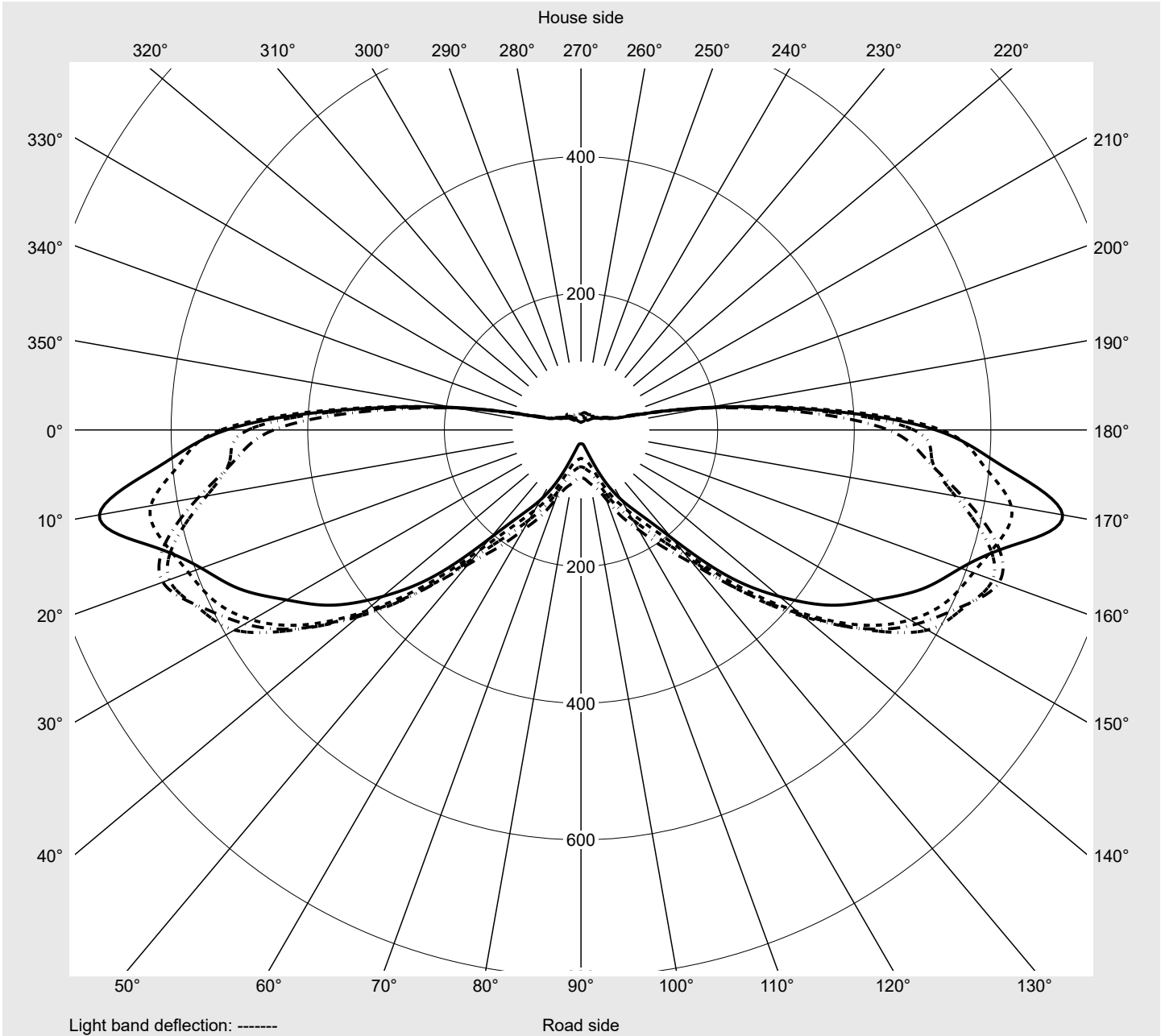
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

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**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



## Photometric test report

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<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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2,5°	131.9	133.1	134.4	135.3	136.1	137.2	138.1	138.5	138.9	139.0	139.3	139.7	140.0
5,0°	133.3	136.3	139.2	142.0	144.2	146.8	149.3	150.8	152.3	154.0	154.1	154.1	154.2
7,5°	134.2	137.3	142.1	147.0	151.6	156.3	160.9	163.9	165.5	166.2	166.4	167.5	169.8
10,0°	140.0	143.8	149.6	155.4	160.3	165.9	171.0	176.6	180.6	184.8	189.2	191.7	194.2
12,5°	153.8	159.9	164.5	170.5	174.5	179.0	185.9	193.5	201.5	207.2	212.6	217.0	218.2
15,0°	160.5	168.7	177.7	183.9	189.8	198.0	203.8	210.6	218.6	226.9	235.9	241.4	244.7
17,5°	168.8	181.3	193.8	202.8	211.2	220.6	226.5	232.5	237.6	240.4	243.6	251.6	259.6
20,0°	183.7	194.6	202.9	215.1	230.5	240.6	251.4	262.0	264.0	267.2	266.7	270.0	277.4
22,5°	195.2	209.8	222.8	237.7	255.0	268.7	279.1	288.6	294.5	291.2	288.3	291.7	296.8
25,0°	206.8	223.4	243.5	264.4	283.7	298.5	310.0	318.7	318.7	310.6	309.8	312.9	314.5
27,5°	218.8	238.9	257.7	276.8	296.1	315.4	328.9	335.6	334.9	328.2	328.2	328.1	333.0
30,0°	229.1	251.4	273.7	302.4	319.0	329.9	343.0	351.4	352.9	349.2	351.7	347.0	346.1
32,5°	242.1	269.4	295.4	318.6	334.2	353.6	363.1	368.9	375.2	371.5	368.4	360.1	360.1
35,0°	261.7	283.1	310.9	334.7	348.2	363.7	367.7	375.9	382.1	380.9	376.9	366.9	362.4
37,5°	275.0	302.3	328.0	346.9	361.7	374.6	383.0	386.3	384.6	381.1	372.6	362.9	351.7
40,0°	295.9	325.1	348.4	364.7	379.0	389.7	398.2	394.9	389.9	378.8	363.5	351.0	337.2
42,5°	310.6	339.7	375.5	390.8	405.9	417.4	419.7	407.0	389.2	375.6	363.2	351.1	338.1
45,0°	327.0	356.8	401.0	415.5	422.4	435.0	432.0	419.7	398.7	383.6	359.5	333.6	325.0
47,5°	333.9	374.9	416.5	433.1	447.7	461.2	453.6	427.5	405.6	391.2	348.5	311.8	303.8
50,0°	351.3	396.6	428.7	443.8	458.8	467.3	466.8	442.8	412.8	374.7	335.7	302.3	279.2
52,5°	362.8	409.2	447.3	463.6	472.4	479.1	473.9	438.9	404.4	361.4	312.7	270.8	244.5
55,0°	353.5	419.5	480.5	510.4	523.1	504.3	493.2	458.8	414.4	346.1	280.2	243.6	218.3
57,5°	361.3	439.7	516.9	566.3	574.9	547.1	515.9	475.9	416.0	335.6	267.1	224.4	202.3
60,0°	403.1	486.3	580.4	631.1	636.4	593.2	539.7	488.6	417.9	327.6	263.9	223.6	188.6
62,5°	449.9	508.7	568.4	628.4	651.5	613.4	567.9	507.1	419.8	334.7	257.1	208.9	168.8
65,0°	487.4	516.0	556.5	612.9	641.3	617.4	585.9	509.9	425.2	335.5	244.6	189.6	152.1
67,5°	527.6	591.0	639.4	632.8	611.2	592.2	556.2	497.7	413.8	320.6	228.0	170.6	135.9
70,0°	519.1	621.7	715.9	653.5	591.6	551.0	497.6	447.4	379.4	300.9	206.4	151.2	117.8
72,5°	473.8	582.3	687.8	639.5	567.2	504.4	431.3	383.3	340.4	281.0	189.5	101.8	60.1
75,0°	416.3	513.3	580.7	556.3	489.7	409.1	328.8	303.1	269.2	185.1	81.6	28.7	9.7
77,5°	313.0	368.1	399.1	375.0	320.3	276.7	231.0	180.0	107.5	42.5	10.9	3.3	1.9
80,0°	193.3	205.6	211.6	192.3	158.7	133.4	99.0	48.9	15.9	5.9	2.9	2.1	1.5
82,5°	95.8	94.8	91.2	78.0	60.2	46.5	29.0	15.0	7.5	4.3	2.2	1.6	1.2
85,0°	49.4	47.7	46.4	32.8	19.7	17.3	14.3	9.4	4.8	2.7	1.4	1.1	0.8
87,5°	18.5	18.0	17.4	12.3	7.3	6.4	5.3	3.5	1.8	1.0	0.5	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> <b>Streetlight 11 mini LED</b>	<b>Order number: 5XC2K51F08HE</b> <b>EAN: 4058352991459</b>	<b>LP number</b> <b>59352_99</b>
<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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2,5°	139.7	139.2	139.3	139.5	139.6	139.5	130.6	129.3	128.1	127.1	125.8	124.4	123.2
5,0°	154.0	153.5	153.4	153.5	154.3	153.9	131.0	128.3	125.8	123.5	120.9	118.8	116.8
7,5°	171.5	172.2	173.4	174.8	176.4	177.3	130.7	127.2	124.0	121.7	119.7	117.5	115.2
10,0°	196.7	199.5	202.4	204.3	207.0	208.0	136.6	134.1	131.0	128.3	124.5	120.1	115.3
12,5°	220.5	223.4	225.6	229.3	233.0	234.6	147.2	140.8	135.1	129.1	123.4	118.9	115.0
15,0°	246.7	246.7	249.3	249.3	247.0	247.3	153.2	144.8	137.0	130.4	123.2	116.0	110.6
17,5°	263.7	263.9	267.0	268.9	268.4	267.3	159.5	150.7	143.2	135.1	124.2	115.1	110.9
20,0°	283.7	287.5	288.9	289.9	287.7	289.6	170.7	158.5	147.2	136.2	123.9	115.3	112.5
22,5°	302.3	308.6	313.5	316.4	314.2	313.1	176.9	161.4	147.0	134.8	124.0	114.1	108.1
25,0°	319.6	325.0	330.2	333.5	335.7	337.5	185.9	167.5	152.7	135.2	120.4	108.9	101.7
27,5°	339.9	342.2	348.2	354.7	358.9	362.7	196.0	175.0	152.2	131.1	115.5	101.5	90.0
30,0°	350.5	354.2	362.3	371.3	380.3	384.6	206.0	181.2	151.3	128.1	109.5	92.6	79.5
32,5°	360.5	358.1	371.9	386.1	389.5	384.4	214.1	182.9	151.7	125.9	103.9	85.8	74.0
35,0°	363.6	363.5	372.6	389.9	389.0	385.7	226.4	187.4	151.1	120.7	97.8	79.7	70.6
37,5°	354.5	356.5	368.3	381.3	381.6	380.0	236.5	195.1	152.6	116.8	91.1	72.8	66.4
40,0°	342.3	347.0	351.6	357.7	363.5	367.5	247.9	206.3	159.2	117.9	90.7	68.7	61.2
42,5°	339.3	336.1	327.7	330.1	331.6	337.6	263.3	212.9	153.9	111.4	86.4	64.7	57.2
45,0°	321.2	313.7	310.4	306.0	304.1	305.7	277.7	214.3	146.6	99.8	80.5	63.4	53.5
47,5°	299.5	281.5	270.1	265.8	264.6	268.8	276.2	206.9	134.0	90.1	74.0	60.8	49.6
50,0°	262.1	248.2	239.5	227.8	224.5	228.3	281.5	200.4	121.7	81.1	68.2	55.1	45.9
52,5°	228.3	216.8	205.2	190.1	185.4	187.8	276.3	188.3	111.8	72.3	59.3	48.0	42.3
55,0°	199.7	185.0	171.8	152.6	152.8	160.7	269.3	182.7	106.3	63.6	51.7	43.1	38.9
57,5°	179.3	152.6	137.0	127.5	126.4	128.8	269.6	179.7	103.7	58.3	47.2	37.3	34.6
60,0°	155.7	127.5	108.3	102.7	97.7	96.2	278.8	174.5	97.1	56.9	46.7	36.8	34.2
62,5°	139.1	107.8	88.5	80.1	72.6	70.1	314.0	183.6	92.8	53.4	43.5	36.4	32.3
65,0°	122.3	92.6	68.8	60.7	55.9	54.0	333.9	186.3	87.0	49.3	42.3	35.8	29.9
67,5°	107.1	75.0	54.9	46.5	43.4	41.7	350.6	188.3	84.1	49.6	41.2	35.2	30.4
70,0°	83.7	49.8	31.3	22.8	20.5	20.3	341.6	190.0	87.1	49.6	40.6	33.1	31.3
72,5°	32.1	13.9	7.4	4.8	4.2	4.1	315.2	174.3	76.4	45.7	37.5	30.4	29.4
75,0°	2.6	1.7	1.5	1.3	1.2	1.2	268.9	148.1	61.6	40.1	35.1	29.3	26.7
77,5°	1.6	1.3	1.1	1.0	1.0	0.9	198.3	104.8	42.7	27.8	26.0	20.9	16.4
80,0°	1.2	1.0	0.8	0.7	0.7	0.7	119.3	59.6	25.9	15.2	13.3	9.2	5.3
82,5°	0.9	0.8	0.6	0.5	0.5	0.5	59.8	24.2	13.5	5.8	4.8	3.5	2.9
85,0°	0.6	0.5	0.4	0.4	0.3	0.3	29.0	8.5	5.3	2.1	2.0	1.9	2.0
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	10.8	3.2	2.0	0.8	0.7	0.7	0.8
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: 5XC2K51F08HE</b> <b>EAN: 4058352991459</b>	<b>LP number</b> <b>59352_99</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
γ	Luminous intensity in cd/klm											Luminous flux in lm/klm	
0,0°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	0.2	0.2
2,5°	121.7	120.7	119.3	118.4	117.6	116.9	116.2	115.4	115.0	114.9	114.6	1.6	1.7
5,0°	114.8	113.1	112.0	110.8	109.7	109.0	108.3	107.7	107.4	107.0	106.8	3.2	4.9
7,5°	112.8	110.1	107.8	105.2	102.4	100.6	99.8	99.2	99.2	99.4	99.0	4.9	9.8
10,0°	111.0	108.1	106.0	104.2	102.2	100.5	98.4	95.8	92.3	90.4	89.5	7.0	16.8
12,5°	110.8	106.9	104.3	101.8	98.8	95.9	93.2	90.1	88.4	87.5	87.5	9.3	26.0
15,0°	106.6	103.0	99.1	94.7	90.0	86.2	83.5	81.4	80.1	79.8	79.9	11.6	37.6
17,5°	107.1	99.8	93.5	88.0	83.4	78.6	74.7	73.0	71.8	70.3	69.1	14.1	51.7
20,0°	109.2	100.0	89.7	83.8	79.9	76.0	71.7	67.3	64.0	62.0	61.1	16.9	68.6
22,5°	102.5	91.8	83.7	78.7	75.2	70.8	68.2	66.2	63.7	61.2	59.8	20.1	88.7
25,0°	95.1	84.8	76.7	72.5	67.6	62.8	60.8	59.7	57.7	57.3	57.7	23.2	112.0
27,5°	84.0	78.9	72.9	68.0	63.2	59.7	57.5	57.1	57.2	56.1	55.5	26.3	138.3
30,0°	72.7	70.2	65.5	61.1	60.2	59.3	57.7	56.9	54.7	53.5	53.6	29.5	167.8
32,5°	68.2	64.3	59.9	57.8	57.7	56.3	53.8	53.1	53.3	54.6	56.2	32.7	200.5
35,0°	64.3	59.7	55.2	54.1	55.3	52.4	49.2	48.4	52.0	54.4	54.1	35.3	235.8
37,5°	60.9	56.9	53.6	52.1	51.2	50.8	50.3	48.5	48.3	48.8	48.6	37.6	273.4
40,0°	57.3	53.2	50.6	49.1	47.0	46.1	47.1	48.1	48.2	45.9	43.8	39.8	313.2
42,5°	53.3	50.2	45.6	45.2	44.9	45.4	45.9	46.0	45.8	44.5	43.9	42.0	355.2
45,0°	50.6	48.2	43.3	43.6	45.2	43.5	45.9	47.8	44.0	43.3	44.1	43.8	399.0
47,5°	43.6	42.9	41.9	41.4	39.4	39.4	41.9	43.2	41.2	40.8	43.5	44.7	443.6
50,0°	41.1	39.3	38.2	40.8	40.1	38.6	39.8	40.6	40.0	40.8	42.8	45.2	488.8
52,5°	40.0	37.3	34.7	37.5	39.3	38.2	37.0	37.3	38.2	38.2	37.5	45.0	533.9
55,0°	36.4	34.1	34.0	35.6	36.0	35.8	35.0	34.6	33.9	33.1	32.3	45.6	579.5
57,5°	34.9	32.7	32.4	32.4	31.9	32.6	32.5	32.0	32.2	31.9	30.9	46.9	626.4
60,0°	33.1	32.7	30.8	29.0	28.2	28.2	29.7	29.3	29.1	28.7	28.4	49.2	675.6
62,5°	28.6	29.9	30.1	27.4	25.9	24.9	25.4	25.9	25.8	24.4	23.2	50.3	725.8
65,0°	26.9	27.0	26.4	23.8	22.4	21.6	21.1	21.7	23.2	22.9	21.2	50.5	776.3
67,5°	27.2	24.7	21.6	20.1	20.1	19.6	18.4	18.1	19.9	20.0	18.7	51.1	827.4
70,0°	28.3	23.8	19.9	17.2	16.8	16.4	14.5	12.9	12.3	11.6	11.0	49.5	876.9
72,5°	26.1	22.1	18.7	12.5	8.3	7.5	6.2	4.8	4.0	3.7	3.6	44.5	921.5
75,0°	22.3	16.3	9.7	4.9	2.6	2.2	2.1	2.0	2.0	1.9	1.9	35.7	957.2
77,5°	11.6	6.0	3.5	2.2	1.7	1.5	1.4	1.3	1.2	1.0	0.7	23.1	980.3
80,0°	3.7	2.8	2.2	1.8	1.4	1.0	0.7	0.7	0.7	0.4	0.1	11.5	991.8
82,5°	2.8	2.2	1.6	1.3	1.0	0.7	0.5	0.4	0.4	0.2	0.1	5.0	996.8
85,0°	2.1	1.5	1.0	0.8	0.6	0.4	0.3	0.2	0.1	0.1	0.1	2.3	999.1
87,5°	0.8	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.9	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: 5XC2K51F08HE</b> <b>EAN: 4058352991459</b>	<b>LP number</b> 59352_99
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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	8000	58.6	60.9	59.8
95	241	252	7591	55.0	57.2	56.1
90	229	250	7213	51.9	53.9	52.9
85	216	248	6803	48.6	50.4	49.5
80	203	246	6394	45.3	47.0	46.2
75	190	243	5984	42.1	43.8	43.0
70	178	241	5606	39.3	40.7	40.0
65	165	238	5197	36.2	37.6	36.9
60	152	235	4787	33.2	34.4	33.8
55	140	232	4409	30.5	31.6	31.0
50	127	229	4000	27.5	28.5	28.0
45	114	225	3591	24.7	25.6	25.2
40	102	221	3213	22.2	23.0	22.6
35	89	216	2803	19.4	20.1	19.8
30	76	210	2394	16.7	17.3	17.0
25	63	203	1984	14.1	14.6	14.4
20	51	195	1606	11.7	12.1	11.9
15	38	184	1197	9.1	9.4	9.2
14	35	181	1102	8.5	8.8	8.6