
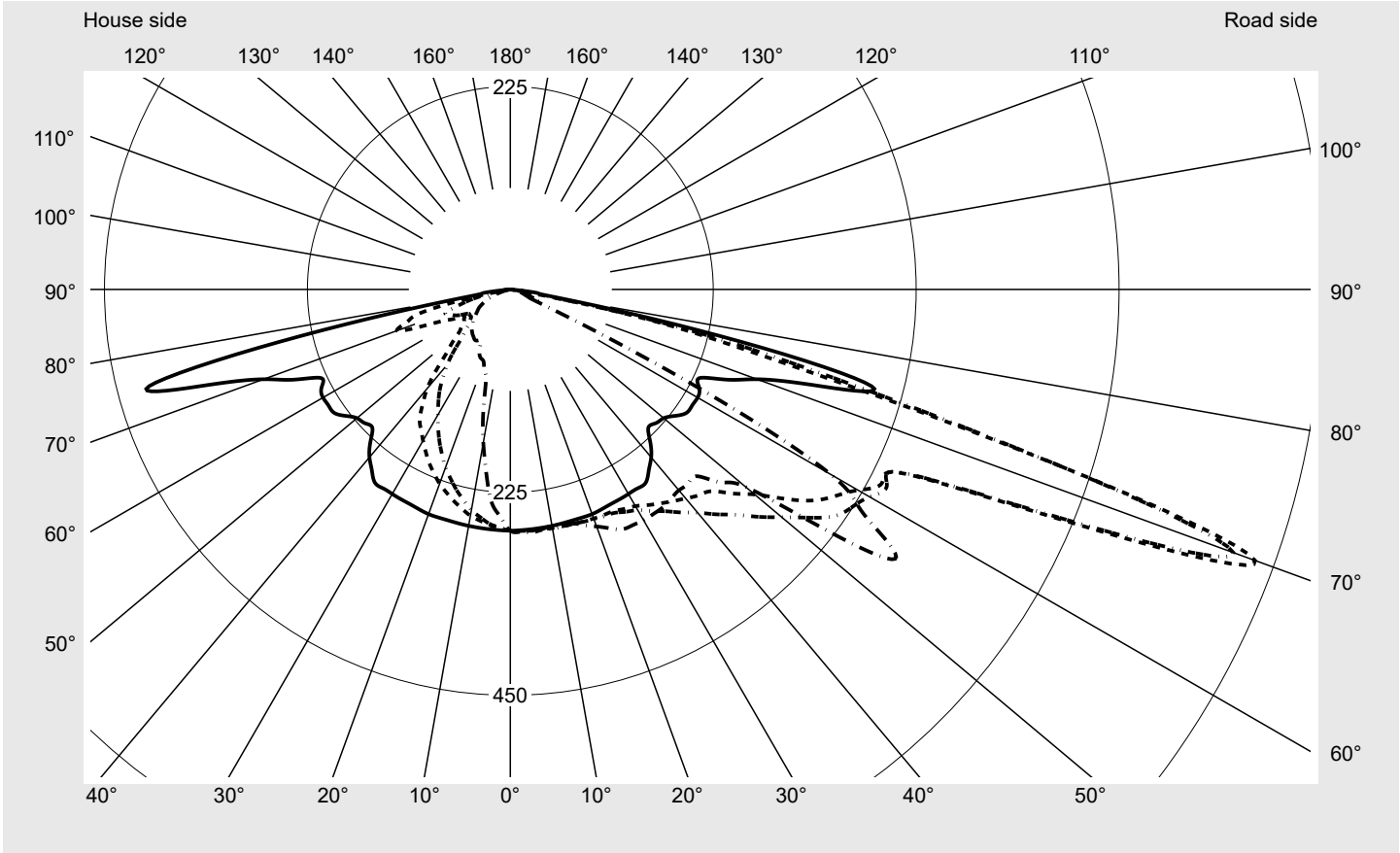


# Photometric test report

<b>Family</b> <b>Streetlight 21 micro LED</b>	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> <b>59536_175</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface down <b>Optic</b> asymmetric, extremely wide distribution (P0.8a) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> EVG SITECO iQ - Smart Interface <b>Rated values</b> Net luminous flux = 2890 lm Power consumption = 19.1 W Luminous efficacy = 151.3 lm/W	<b>serial documentation</b> <b>18.01.2024</b>



**Luminous intensity in cd/klm** C180-0 C195-15 C200-20 C270-90 **Imax: 879 cd/klm**



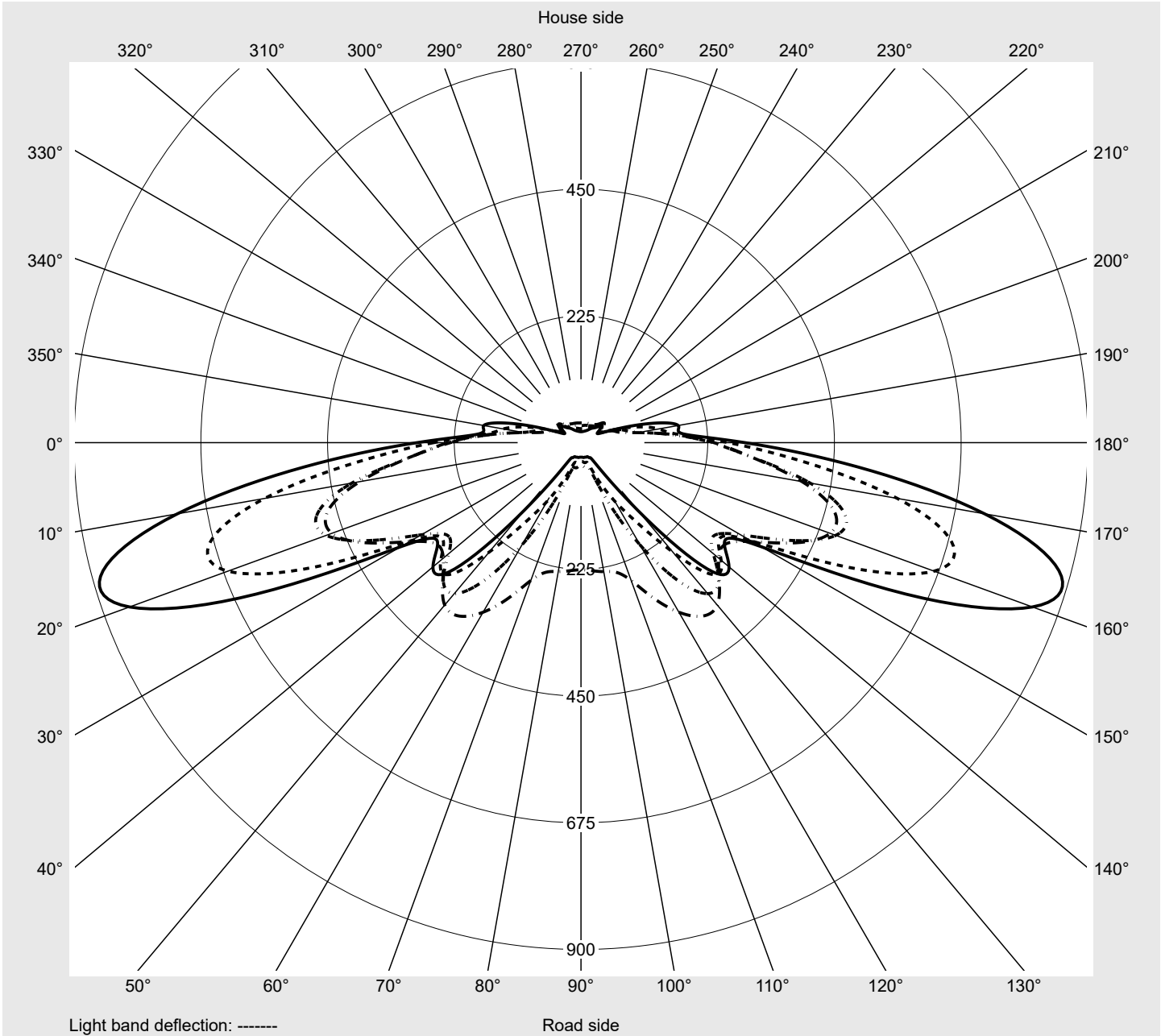
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	878.7
Imax 80°	57.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

**Photometric test report**

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> 59536_175
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**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



## Photometric test report

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> 59536_175
<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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	267.2	267.2	267.4	267.7	268.0	268.2	268.3	268.4	268.7	268.6	268.6	268.7	268.7
5,0°	266.9	266.9	267.2	267.8	268.6	268.9	269.1	269.3	269.8	269.6	269.6	269.8	269.9
7,5°	266.5	266.7	267.4	268.3	269.0	269.1	269.0	269.1	269.2	269.0	268.6	268.3	268.2
10,0°	266.2	266.6	267.5	268.8	269.4	269.4	269.0	268.9	268.7	268.3	267.5	266.8	266.5
12,5°	265.7	266.8	267.7	268.9	269.3	269.2	268.7	268.4	268.0	267.7	267.2	266.8	266.7
15,0°	265.2	267.0	267.9	269.1	269.2	269.1	268.3	267.9	267.3	267.0	266.9	266.8	267.0
17,5°	265.2	267.9	268.8	269.7	270.1	270.0	269.8	269.8	269.9	270.4	270.8	271.1	271.6
20,0°	265.1	268.9	269.6	270.3	271.0	270.8	271.2	271.7	272.4	273.8	274.7	275.4	276.3
22,5°	264.0	268.4	269.8	270.7	272.2	273.3	274.8	276.9	278.7	280.6	282.2	283.8	285.0
25,0°	262.8	268.0	269.9	271.2	273.4	275.7	278.4	282.1	285.0	287.4	289.7	292.2	293.7
27,5°	262.3	269.0	271.7	274.3	277.9	281.8	286.1	291.1	295.3	299.0	301.4	302.9	302.7
30,0°	261.9	269.9	273.5	277.4	282.5	287.8	293.9	300.0	305.5	310.6	313.1	313.5	311.7
32,5°	261.8	271.7	277.3	283.5	291.4	299.5	307.7	315.0	321.0	325.6	326.4	323.2	318.0
35,0°	261.7	273.6	281.1	289.6	300.3	311.1	321.4	329.9	336.4	340.6	339.8	332.9	324.3
37,5°	252.3	268.4	281.4	296.0	311.7	326.6	338.9	348.1	353.7	354.6	350.3	339.3	327.6
40,0°	243.0	263.2	281.8	302.4	323.1	342.1	356.4	366.4	370.9	368.7	360.7	345.6	330.9
42,5°	229.8	256.4	281.5	309.4	338.2	363.9	378.3	385.7	385.6	377.9	365.2	348.0	332.0
45,0°	216.5	249.6	281.2	316.3	353.3	385.7	400.3	405.0	400.3	387.0	369.7	350.4	333.1
47,5°	219.3	258.6	295.9	335.0	373.2	403.4	416.6	415.9	404.4	385.7	366.0	350.2	338.2
50,0°	222.0	267.6	310.6	353.7	393.0	421.0	433.0	426.9	408.5	384.3	362.2	350.0	343.3
52,5°	230.3	281.2	331.6	380.9	415.7	432.1	429.8	415.1	391.8	372.1	363.5	370.8	388.4
55,0°	238.5	294.7	352.7	408.1	438.3	443.1	426.6	403.4	375.0	359.8	364.8	391.6	433.4
57,5°	239.2	300.2	368.4	426.7	449.2	436.9	401.3	371.3	353.4	354.2	384.0	423.0	459.6
60,0°	239.9	305.7	384.0	445.2	460.1	430.6	376.1	339.2	331.9	348.6	403.2	454.3	485.7
62,5°	236.0	306.5	398.6	464.7	470.8	420.8	351.7	313.7	319.3	347.2	376.6	376.0	347.7
65,0°	232.2	307.3	413.1	484.1	481.4	410.9	327.3	288.2	306.7	345.7	350.0	297.8	209.7
67,5°	261.7	400.0	570.4	681.4	667.3	523.6	348.4	299.5	324.9	331.4	253.7	172.7	120.4
70,0°	291.2	492.6	727.8	878.7	853.1	636.3	369.5	310.8	343.1	317.0	157.5	47.7	31.0
72,5°	353.0	430.5	526.3	594.6	600.5	549.8	505.8	527.8	350.6	186.2	90.1	34.6	25.1
75,0°	414.8	368.5	324.8	310.5	347.9	463.4	642.1	744.8	358.1	55.4	22.7	21.6	19.3
77,5°	236.0	205.6	178.8	168.2	183.7	239.0	334.0	387.5	184.9	33.3	17.6	16.7	14.7
80,0°	57.3	42.7	32.7	25.9	19.4	14.6	25.9	30.2	11.7	11.3	12.5	11.9	10.0
82,5°	30.0	22.6	17.5	14.0	10.7	8.3	13.9	16.1	6.8	6.6	7.4	7.1	6.4
85,0°	2.7	2.5	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	2.3	2.4	2.7
87,5°	1.4	1.3	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.2	1.4
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 21 micro LED</b>	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> <b>59536_175</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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5
2,5°	268.8	268.7	268.8	268.9	268.9	269.0	266.5	265.7	264.9	264.3	263.2	262.1	260.9
5,0°	270.0	269.8	270.0	270.2	270.3	270.5	265.5	264.0	262.3	261.0	259.0	256.8	254.3
7,5°	268.1	268.0	267.8	268.0	268.1	268.3	264.6	261.7	258.5	254.8	250.1	245.2	240.0
10,0°	266.2	266.2	265.6	265.7	265.9	266.2	263.7	259.4	254.8	248.5	241.2	233.7	225.8
12,5°	266.6	266.7	266.6	266.8	267.1	267.4	262.2	256.2	248.7	239.4	229.0	218.0	206.6
15,0°	267.0	267.3	267.5	267.9	268.3	268.7	260.7	253.0	242.7	230.3	216.7	202.2	187.3
17,5°	271.9	272.4	272.7	273.3	273.7	274.2	260.0	249.6	236.0	220.1	202.7	184.7	166.5
20,0°	276.9	277.5	277.9	278.7	279.1	279.7	259.3	246.2	229.2	209.9	188.8	167.2	145.7
22,5°	285.7	286.0	285.3	285.9	286.0	286.6	256.1	240.7	220.9	197.9	173.1	148.9	124.7
25,0°	294.5	294.4	292.7	293.2	293.0	293.5	253.0	235.1	212.5	186.0	157.4	130.7	103.7
27,5°	301.7	299.6	296.6	295.1	294.3	294.5	249.8	229.0	203.1	173.2	142.1	112.9	90.5
30,0°	308.9	304.7	300.5	297.1	295.6	295.6	246.5	222.9	193.6	160.4	126.8	95.2	77.3
32,5°	313.0	307.3	302.0	297.5	295.4	295.3	243.8	216.9	184.3	148.5	113.2	85.2	75.5
35,0°	317.0	310.0	303.6	298.0	295.1	294.9	241.1	211.0	175.1	136.5	99.5	75.1	73.7
37,5°	317.8	309.7	303.3	296.8	293.1	292.9	227.5	194.9	159.3	122.5	89.6	70.6	71.2
40,0°	318.5	309.4	303.1	295.7	291.1	290.8	213.8	178.8	143.5	108.6	79.7	66.1	68.6
42,5°	318.9	309.7	303.7	297.1	292.4	291.8	194.6	156.5	121.9	92.6	71.9	63.8	66.0
45,0°	319.2	310.1	304.3	298.5	293.8	292.9	175.4	134.2	100.3	76.6	64.1	61.5	63.3
47,5°	329.8	326.0	323.9	321.0	317.3	316.6	170.5	122.9	87.3	67.9	61.3	60.6	62.1
50,0°	340.3	341.9	343.4	343.5	340.8	340.4	165.5	111.6	74.4	59.3	58.4	59.8	60.9
52,5°	405.0	419.9	430.4	434.7	431.6	430.6	167.0	108.2	68.4	56.2	56.5	57.5	57.6
55,0°	469.7	498.0	517.3	525.9	522.3	520.8	168.4	104.8	62.4	53.0	54.6	55.3	54.3
57,5°	478.3	480.2	474.1	472.9	468.6	465.7	167.5	102.3	61.0	53.3	50.4	50.0	50.6
60,0°	486.8	462.4	430.8	419.9	414.9	410.5	166.7	99.7	59.6	53.6	46.2	44.6	46.9
62,5°	304.6	260.5	238.2	232.6	228.3	225.8	164.6	102.3	71.0	60.8	46.8	42.1	46.4
65,0°	122.3	58.5	45.5	45.3	41.7	41.1	162.5	104.9	82.5	68.0	47.5	39.6	45.8
67,5°	75.0	42.9	36.1	36.0	33.8	33.5	171.9	140.1	107.9	72.2	44.8	36.5	43.4
70,0°	27.6	27.3	26.7	26.8	26.0	25.9	181.3	175.3	133.4	76.4	42.1	33.3	41.1
72,5°	22.7	22.0	21.3	21.1	20.5	20.3	265.1	189.7	120.0	62.2	33.7	27.5	35.0
75,0°	17.7	16.6	15.9	15.3	15.0	14.8	348.9	204.0	106.7	47.9	25.3	21.8	29.0
77,5°	13.1	12.5	11.5	11.1	10.8	10.6	193.6	113.1	59.4	29.8	17.4	15.8	20.3
80,0°	8.4	8.3	7.2	6.9	6.6	6.5	38.3	22.1	12.2	11.8	9.4	9.8	11.6
82,5°	5.4	5.2	4.5	4.3	4.1	4.0	20.5	12.5	7.6	7.4	6.0	6.3	7.0
85,0°	2.3	2.1	1.8	1.7	1.6	1.5	2.8	2.8	2.9	2.9	2.7	2.7	2.5
87,5°	1.1	1.0	0.9	0.8	0.8	0.7	1.4	1.4	1.5	1.5	1.4	1.4	1.3
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 21 micro LED</b>	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> <b>59536_175</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°	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	267.5	0.4	0.4
2,5°	259.6	258.4	257.3	256.2	255.1	254.3	253.6	253.0	252.6	252.4	252.3	3.2	3.6
5,0°	251.7	249.4	247.1	244.9	242.7	241.1	239.8	238.5	237.7	237.3	237.2	6.2	9.8
7,5°	234.8	230.1	225.2	220.5	216.3	213.0	210.1	207.9	206.2	205.4	204.8	9.0	18.7
10,0°	217.9	210.8	203.4	196.1	189.9	184.8	180.4	177.3	174.8	173.4	172.5	11.5	30.2
12,5°	195.6	185.0	175.2	166.1	158.0	151.4	146.3	142.8	140.4	139.1	138.4	13.6	43.8
15,0°	173.3	159.2	147.1	136.1	126.1	118.1	112.2	108.3	106.0	104.7	104.3	15.5	59.4
17,5°	149.3	133.3	121.0	111.9	105.2	100.8	98.1	96.7	95.8	95.3	95.2	17.6	76.9
20,0°	125.4	107.5	94.9	87.6	84.4	83.5	84.0	85.2	85.7	85.9	86.1	19.5	96.4
22,5°	105.4	93.2	87.8	86.3	86.0	85.8	85.4	85.1	84.3	83.6	83.3	21.7	118.1
25,0°	85.5	78.9	80.6	84.9	87.6	88.0	86.8	84.9	82.9	81.2	80.5	23.8	141.9
27,5°	81.2	81.9	85.3	88.0	88.0	85.8	82.5	79.3	76.2	74.0	73.1	26.1	168.0
30,0°	77.0	84.8	90.0	91.2	88.3	83.6	78.3	73.6	69.6	66.7	65.7	28.2	196.2
32,5°	79.1	85.7	88.8	87.8	84.1	79.6	75.2	71.9	69.4	67.7	67.1	30.6	226.8
35,0°	81.2	86.7	87.6	84.5	79.9	75.6	72.2	70.2	69.3	68.6	68.4	32.9	259.7
37,5°	76.3	79.2	78.9	77.1	76.1	74.0	71.1	69.2	67.9	67.1	66.7	34.9	294.6
40,0°	71.3	71.6	70.3	69.7	72.4	72.5	70.0	68.2	66.6	65.5	65.1	36.8	331.3
42,5°	67.4	67.5	68.8	69.1	68.9	68.5	66.8	65.5	64.3	63.3	62.9	38.5	369.8
45,0°	63.5	63.4	67.3	68.6	65.4	64.6	63.6	62.8	62.0	61.1	60.7	40.2	410.1
47,5°	62.2	64.8	65.8	64.2	61.6	61.0	60.1	59.3	58.4	57.5	57.2	42.8	452.8
50,0°	60.9	66.1	64.2	59.8	57.9	57.4	56.6	55.8	54.8	53.9	53.6	45.3	498.1
52,5°	59.8	63.6	59.5	55.6	53.9	53.3	52.6	51.7	50.6	49.9	49.7	50.1	548.1
55,0°	58.6	61.0	54.8	51.4	50.0	49.2	48.5	47.6	46.5	45.9	45.9	55.0	603.1
57,5°	57.5	56.2	50.1	47.2	46.0	45.1	44.4	43.8	43.2	42.8	42.8	55.3	658.4
60,0°	56.4	51.4	45.4	43.1	42.0	41.0	40.4	40.0	39.8	39.7	39.6	55.4	713.8
62,5°	54.0	47.8	42.0	39.7	38.3	37.1	36.5	36.0	35.5	35.1	35.0	47.7	761.5
65,0°	51.6	44.2	38.6	36.3	34.6	33.2	32.5	31.9	31.2	30.5	30.5	39.5	800.9
67,5°	48.3	41.4	36.3	33.4	30.6	28.5	27.4	26.5	25.7	25.0	24.9	43.3	844.2
70,0°	45.1	38.6	34.0	30.6	26.6	23.9	22.2	21.1	20.1	19.6	19.4	47.1	891.3
72,5°	38.7	34.3	30.3	25.9	21.5	18.5	16.7	15.5	14.5	14.0	13.8	42.6	933.9
75,0°	32.4	30.0	26.6	21.3	16.4	13.1	11.3	10.0	9.0	8.3	8.1	37.9	971.7
77,5°	22.7	22.3	20.0	15.8	11.7	9.2	7.7	6.6	5.6	4.9	4.7	21.1	992.8
80,0°	13.0	14.5	13.5	10.3	7.0	5.2	4.2	3.1	2.2	1.5	1.3	4.0	996.9
82,5°	7.7	8.3	7.6	6.0	4.2	3.2	2.6	2.0	1.5	1.0	0.9	2.3	999.2
85,0°	2.3	2.1	1.8	1.7	1.5	1.3	1.0	0.8	0.7	0.6	0.6	0.6	999.7
87,5°	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.3	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 21 micro LED	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> 59536_175
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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	2890	19.1	19.7	19.4
95	241	252	2742	18.0	18.6	18.3
90	229	250	2606	17.0	17.6	17.3
85	216	248	2458	15.9	16.4	16.2
80	203	246	2310	14.9	15.4	15.2
75	190	243	2162	13.9	14.3	14.1
70	178	241	2025	12.9	13.3	13.1
65	165	238	1877	11.9	12.3	12.1
60	152	235	1729	11.0	11.3	11.2
55	140	232	1593	10.1	10.4	10.2
50	127	229	1445	9.2	9.5	9.4
45	114	225	1297	8.3	8.5	8.4
40	102	221	1161	7.4	7.6	7.5
35	89	216	1013	6.6	6.7	6.6
30	76	210	865	5.7	5.9	5.8
25	63	203	717	4.9	5.0	5.0
20	51	195	580	4.0	4.2	4.1
15	38	184	432	3.1	3.2	3.2
10	25	169	284	2.0	2.1	2.0

<b>Dimming levels table</b>	environmental temperature: 5°C
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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	2890	19.0	19.6	19.3
95	241	252	2742	17.9	18.5	18.2
90	229	250	2606	16.9	17.5	17.2
85	216	248	2458	15.9	16.4	16.2
80	203	246	2310	14.9	15.3	15.1
75	191	244	2173	13.9	14.3	14.1
70	178	241	2025	12.9	13.3	13.1
65	165	238	1877	12.0	12.3	12.2
60	152	235	1729	11.0	11.3	11.2
55	140	232	1593	10.1	10.4	10.2
50	127	229	1445	9.2	9.5	9.4
45	114	225	1297	8.3	8.5	8.4
40	102	221	1161	7.4	7.7	7.6
35	89	216	1013	6.6	6.8	6.7
30	76	210	865	5.7	5.9	5.8
25	64	204	728	5.0	5.1	5.0
20	51	195	580	4.1	4.2	4.2
15	38	184	432	3.1	3.2	3.2
10	25	169	284	2.1	2.1	2.1

## Photometric test report

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> 59536_175
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<b>Dimming levels table</b>	environmental temperature: 15°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	2890	19.1	19.6	19.4
95	241	252	2742	18.0	18.5	18.2
90	229	250	2605	17.0	17.5	17.2
85	216	248	2458	15.9	16.4	16.2
80	203	246	2310	14.8	15.3	15.0
75	191	244	2173	14.0	14.3	14.2
70	178	241	2025	12.9	13.3	13.1
65	165	238	1877	11.9	12.3	12.1
60	152	235	1729	11.0	11.3	11.2
55	140	232	1593	10.1	10.4	10.2
50	127	229	1445	9.2	9.5	9.4
45	114	225	1297	8.3	8.5	8.4
40	102	221	1161	7.5	7.6	7.6
35	89	216	1013	6.5	6.7	6.6
30	76	210	865	5.7	5.9	5.8
25	64	204	728	4.9	5.1	5.0
20	51	195	580	4.1	4.2	4.2
15	38	184	432	3.0	3.1	3.0
10	25	169	284	2.0	2.1	2.0

**Photometric test report**

<b>Family</b> Streetlight 21 micro LED	<b>Order number: 5XE1U31U08CB</b> <b>EAN: 4069025148742</b>	<b>LP number</b> 59536_175
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<b>Luminousfluxs table</b>	<b>siteco</b>
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Temperature °C	Luminous flux lm	Power consumption W
25.0	2890.0	19.1
5.0	2890.0	19.0
15.0	2890.0	19.1