
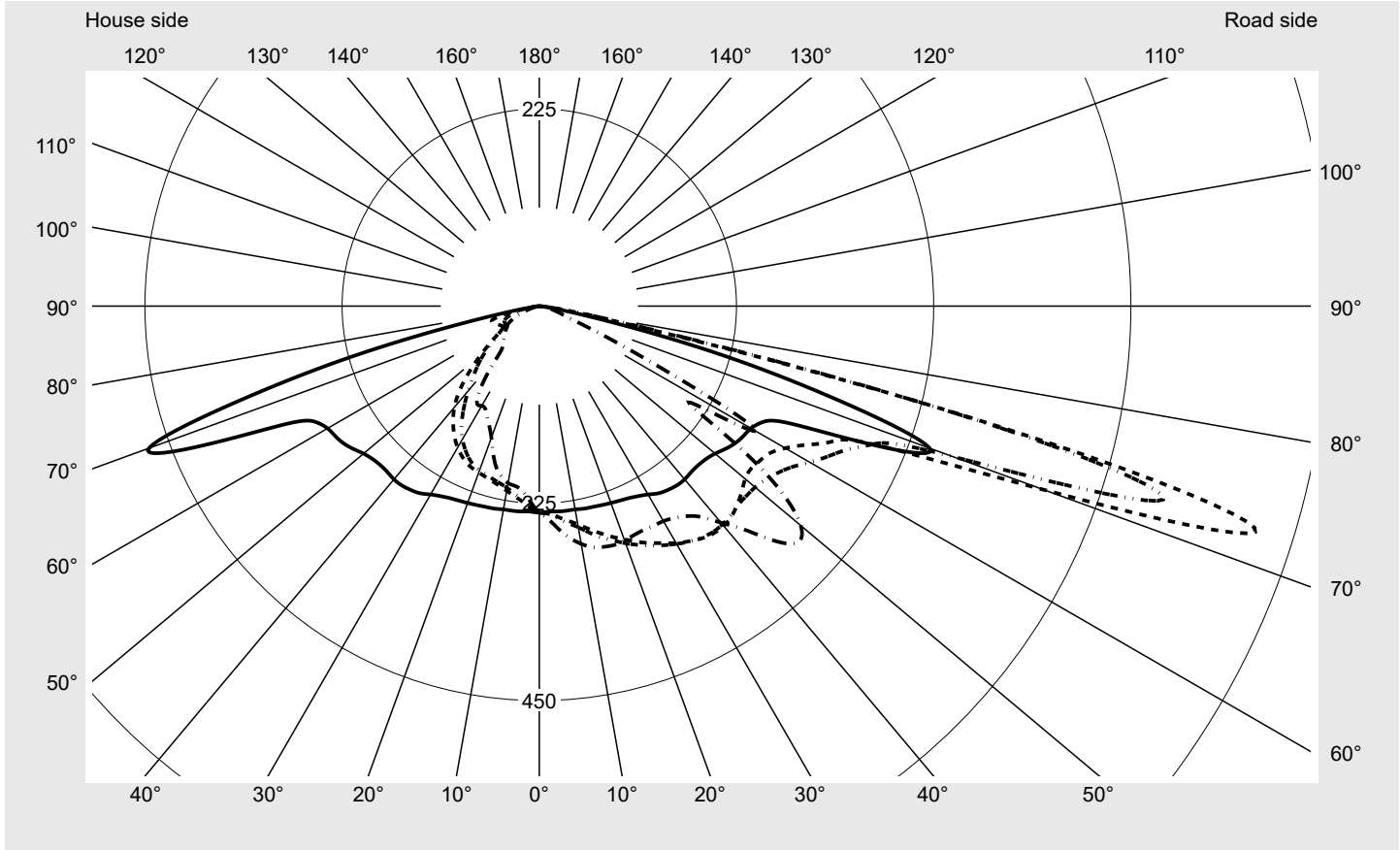


# Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> <b>59537_81</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution (P0.8a G) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 23430 lm Power consumption = 155.5 W Luminous efficacy = 150.7 lm/W	<b>serial documentation</b> <b>18.01.2024</b>



**Luminous intensity in cd/klm** C180-0 C205-25 C210-30 C270-90 **Imax: 856 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:	G3
Imax 70°	618.8
Imax 80°	68.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

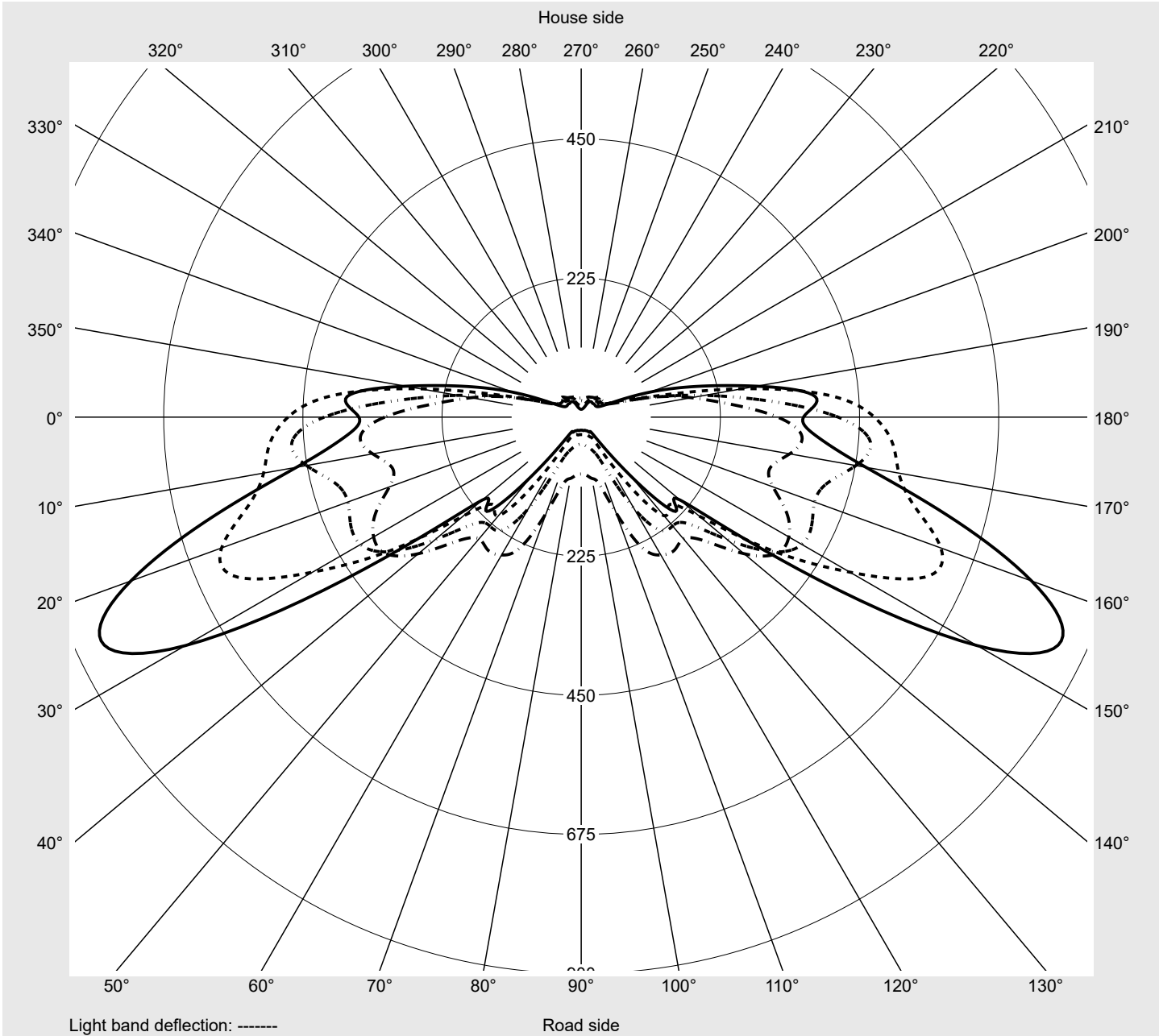
**Measurement conditions**

DIN EN 13032 and DIN 5032

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> 59537_81
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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> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> <b>59537_81</b>
<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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	234.7	235.2	235.9	236.3	236.6	236.6	237.1	238.2	239.1	239.6	240.2	240.8	241.4
5,0°	235.2	235.6	236.3	237.6	239.5	241.3	243.0	244.7	246.6	248.1	249.5	251.0	252.0
7,5°	235.5	236.3	238.0	240.8	243.9	246.8	249.7	252.2	254.9	256.9	258.9	260.6	262.1
10,0°	235.5	236.9	240.3	244.4	248.7	252.8	256.3	259.5	262.8	265.6	267.6	269.4	270.9
12,5°	236.6	239.6	244.5	249.8	255.3	260.4	264.8	268.6	271.6	274.3	276.7	278.4	279.6
15,0°	237.1	242.1	248.6	255.9	262.4	268.1	272.9	276.0	279.3	281.8	283.4	284.4	285.0
17,5°	238.0	245.1	253.5	262.0	269.7	275.9	280.4	284.2	286.5	288.0	288.8	288.8	288.4
20,0°	239.0	248.9	259.1	268.7	277.4	283.1	288.0	290.8	292.2	293.0	292.9	292.1	290.8
22,5°	240.2	252.1	264.0	275.5	284.7	291.0	294.8	297.0	297.3	297.0	295.8	293.9	291.9
25,0°	241.7	256.4	269.7	282.6	291.9	298.2	301.4	303.0	302.4	300.4	297.9	295.3	292.3
27,5°	244.4	261.7	277.2	290.5	299.8	304.8	307.5	308.4	306.8	303.6	299.8	296.2	293.4
30,0°	248.2	267.9	285.5	299.1	307.5	312.2	313.2	312.7	310.3	306.3	302.1	298.3	295.0
32,5°	253.2	275.1	294.8	308.3	315.3	318.1	318.6	316.5	312.9	309.0	305.2	301.4	299.1
35,0°	256.0	280.7	302.4	316.0	321.9	323.5	322.2	319.1	315.4	312.5	309.8	307.8	305.7
37,5°	257.8	284.8	307.2	321.0	325.8	326.7	325.1	321.5	317.8	316.2	316.4	317.1	315.6
40,0°	258.0	287.5	310.2	322.7	326.9	327.3	325.0	322.7	322.1	322.8	327.0	330.8	329.2
42,5°	256.7	287.7	310.0	321.3	324.3	325.0	323.6	324.2	327.6	332.7	340.5	346.4	346.9
45,0°	256.6	288.1	308.0	315.7	318.1	319.6	320.7	326.4	335.0	346.1	357.7	365.7	371.4
47,5°	258.2	288.9	305.8	309.5	309.7	313.4	320.5	332.2	346.1	362.6	377.2	387.9	396.1
50,0°	261.8	290.2	302.3	301.0	300.0	306.7	321.5	340.0	358.4	378.5	396.1	408.8	416.2
52,5°	267.6	293.4	300.8	295.4	293.1	304.6	325.3	350.3	370.6	391.3	406.9	415.8	411.4
55,0°	272.8	296.9	299.8	291.5	291.2	307.3	331.9	362.0	382.3	398.0	404.3	399.0	374.0
57,5°	276.0	299.2	298.8	289.2	292.4	312.1	341.7	374.1	390.1	391.8	379.5	349.4	309.6
60,0°	279.0	303.6	299.5	289.6	297.1	324.2	356.3	384.7	389.5	368.9	333.7	295.4	269.7
62,5°	286.9	315.3	307.8	295.1	308.6	343.0	371.4	388.3	374.0	327.5	286.9	271.6	282.6
65,0°	317.6	358.3	342.3	316.4	330.0	366.6	387.6	385.2	343.7	283.6	257.0	262.7	257.4
67,5°	415.5	469.6	451.1	412.1	401.5	411.4	411.9	379.6	308.1	243.4	229.9	223.3	170.3
70,0°	474.0	505.9	521.5	558.0	618.8	612.6	501.5	376.0	249.0	200.9	208.1	134.9	52.2
72,5°	359.4	385.8	467.5	612.6	774.9	856.4	739.2	430.1	208.5	215.7	123.1	38.5	28.0
75,0°	217.0	235.1	244.0	284.5	439.0	598.5	574.8	446.3	365.7	173.9	47.3	23.6	20.9
77,5°	84.6	127.6	114.0	114.9	138.6	182.9	201.9	296.7	316.9	127.3	20.5	18.5	15.7
80,0°	25.9	36.3	41.1	42.9	45.7	50.6	56.5	68.3	62.6	24.9	14.8	12.0	10.8
82,5°	6.9	8.1	10.0	11.8	13.7	15.5	15.0	11.3	10.2	7.8	6.8	7.0	6.3
85,0°	2.5	2.4	2.2	2.1	2.3	2.4	2.6	2.2	2.1	2.1	2.8	2.6	3.0
87,5°	1.3	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.8	0.8	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 21 midi LED</b>	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> <b>59537_81</b>
<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

**siteco**

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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6
2,5°	242.1	242.7	242.9	243.3	243.6	243.6	233.9	232.6	232.1	231.5	230.4	229.4	228.4
5,0°	253.1	253.8	254.4	255.1	255.4	255.6	232.8	230.9	228.4	226.2	223.7	221.9	220.0
7,5°	263.4	264.5	265.3	266.1	266.5	266.8	232.3	228.5	224.9	221.8	218.5	216.0	213.6
10,0°	272.2	273.3	274.4	274.8	275.3	275.4	231.7	226.3	221.9	217.7	213.9	210.7	208.5
12,5°	280.0	280.4	281.1	281.0	281.6	281.7	231.8	225.0	219.1	214.2	210.0	207.1	205.4
15,0°	284.9	284.8	284.7	284.5	284.6	284.3	231.7	223.6	216.8	211.0	206.9	204.3	202.7
17,5°	287.8	286.8	286.2	285.8	285.7	285.6	231.9	222.1	214.2	208.2	204.3	201.6	199.7
20,0°	289.1	287.5	286.1	285.1	284.6	284.7	232.2	220.9	211.9	205.8	202.1	199.5	195.9
22,5°	289.6	286.9	284.9	283.4	282.6	282.7	231.3	219.0	209.4	203.8	200.0	196.1	190.4
25,0°	289.7	287.1	284.7	282.7	281.6	281.8	230.9	217.2	207.0	201.2	197.0	190.8	184.6
27,5°	290.7	288.1	285.3	283.5	282.2	282.4	231.0	215.8	204.8	198.3	192.1	183.6	175.8
30,0°	292.7	290.3	287.4	284.9	283.3	283.3	231.9	215.2	203.1	195.6	186.4	175.5	165.7
32,5°	296.9	294.2	290.9	288.1	286.8	286.7	233.9	215.1	201.6	192.3	179.1	165.3	151.3
35,0°	303.7	300.3	297.0	294.1	292.8	292.6	234.2	214.0	199.0	187.8	170.8	152.9	133.6
37,5°	312.8	310.0	307.3	304.8	303.4	303.2	232.9	211.7	195.9	181.7	161.4	139.5	117.8
40,0°	327.4	326.6	326.1	323.7	322.3	322.6	230.5	207.6	190.1	173.9	150.8	126.1	104.7
42,5°	348.4	350.5	351.2	347.7	345.8	345.6	225.6	199.9	180.2	161.5	137.5	113.5	93.3
45,0°	376.2	379.7	381.2	379.7	377.9	378.1	221.9	191.8	167.6	144.8	121.9	102.0	82.5
47,5°	401.7	405.0	405.0	402.3	399.3	399.3	220.2	184.5	154.2	125.7	104.8	91.2	73.0
50,0°	414.0	405.7	397.5	391.6	388.9	389.3	222.4	181.7	144.5	107.3	87.9	79.1	65.2
52,5°	392.1	370.1	354.6	348.1	346.3	348.2	226.1	181.6	137.5	92.3	73.1	67.3	60.3
55,0°	337.6	304.9	283.0	272.8	269.0	270.9	229.7	182.1	133.7	80.5	60.8	58.1	58.1
57,5°	271.5	242.0	225.0	215.8	207.8	205.0	230.4	179.6	129.0	73.2	51.8	51.4	55.3
60,0°	264.0	271.2	273.1	272.9	277.8	285.6	230.7	177.3	127.7	71.4	48.1	45.8	51.3
62,5°	283.7	274.7	259.6	225.0	192.5	183.4	228.9	175.1	126.4	72.1	48.4	43.7	47.7
65,0°	232.6	164.2	111.7	100.7	94.0	92.0	241.4	180.8	126.6	74.4	50.7	43.6	43.9
67,5°	86.7	59.5	51.2	47.7	44.6	43.8	302.9	202.7	126.9	77.2	53.7	43.0	39.8
70,0°	35.6	31.0	29.1	29.3	28.4	28.3	402.8	263.5	138.3	85.7	56.7	39.7	35.3
72,5°	25.1	23.4	22.0	22.1	21.3	21.1	380.0	288.0	191.6	118.1	56.9	34.6	30.1
75,0°	19.2	17.9	16.9	16.8	16.3	16.0	178.4	166.7	153.9	124.4	50.5	28.1	24.5
77,5°	13.8	13.2	12.3	11.9	11.7	11.6	58.4	60.7	56.1	51.7	29.3	20.7	18.3
80,0°	9.4	9.1	8.0	7.4	7.2	7.1	17.6	17.5	18.3	20.2	13.8	11.8	11.5
82,5°	5.4	5.0	4.4	4.2	4.0	3.9	5.6	5.5	5.2	6.9	6.1	6.0	5.6
85,0°	2.4	2.2	1.8	1.7	1.6	1.5	2.6	2.6	2.7	2.7	2.7	2.6	2.4
87,5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.5	1.5	1.6	1.5	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 midi LED</b>	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> <b>59537_81</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°	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	235.6	0.4	0.4
2,5°	227.4	226.8	226.2	225.5	225.0	224.7	224.4	224.1	224.0	223.9	223.9	2.8	3.1
5,0°	218.1	217.3	216.1	214.8	213.9	213.4	213.2	212.8	212.6	212.6	212.5	5.6	8.7
7,5°	211.6	210.3	209.1	208.2	207.6	207.5	207.3	207.2	207.2	207.3	207.2	8.4	17.1
10,0°	207.0	206.1	205.5	205.1	204.9	204.7	204.6	204.9	205.0	205.1	205.0	11.2	28.3
12,5°	204.1	203.5	203.0	202.4	201.7	200.9	200.0	199.6	199.3	199.3	199.1	14.1	42.5
15,0°	201.6	200.3	198.8	196.6	194.9	193.4	192.0	190.9	190.4	190.3	190.1	16.9	59.4
17,5°	197.6	194.5	191.9	189.0	186.6	184.3	181.5	179.0	177.3	175.8	175.4	19.6	79.0
20,0°	191.3	187.9	184.5	181.4	176.1	171.1	166.9	163.7	161.5	160.3	159.8	22.1	101.1
22,5°	185.4	180.9	176.0	169.2	162.6	157.4	153.6	151.3	149.9	149.1	148.8	24.5	125.6
25,0°	178.6	171.8	163.2	156.0	150.1	146.1	143.5	142.0	141.0	140.4	140.3	26.8	152.4
27,5°	168.5	157.6	148.3	141.8	137.3	134.4	133.2	132.8	132.7	132.6	132.8	29.0	181.4
30,0°	153.4	141.7	133.3	127.7	125.4	125.3	126.7	128.6	130.2	131.1	131.4	31.2	212.6
32,5°	135.3	124.0	116.0	113.0	114.6	119.0	124.7	129.0	131.2	131.8	132.0	33.4	246.0
35,0°	117.2	104.7	97.8	98.8	106.1	114.2	119.2	121.3	120.9	119.8	119.3	35.4	281.4
37,5°	100.8	87.9	83.5	88.3	95.8	100.2	101.2	100.7	99.3	97.6	96.9	37.0	318.4
40,0°	86.5	75.2	74.8	79.6	81.5	81.7	80.8	77.9	74.4	72.0	71.1	38.7	357.1
42,5°	75.9	69.2	71.0	71.3	71.3	70.4	67.5	65.1	63.3	62.1	61.6	40.7	397.8
45,0°	68.4	67.4	67.8	67.4	67.1	64.5	62.3	60.7	59.5	58.6	58.2	43.2	441.0
47,5°	64.9	65.9	65.1	65.4	62.7	59.6	58.0	56.9	55.9	55.1	54.7	45.5	486.5
50,0°	63.3	63.8	63.9	61.7	57.5	55.3	54.2	53.1	52.2	51.6	51.4	47.0	533.6
52,5°	63.3	61.9	60.9	57.4	53.5	51.9	50.9	50.0	49.2	48.7	48.7	47.3	580.8
55,0°	61.7	58.2	57.1	52.8	49.6	48.4	47.5	46.8	46.3	46.2	46.3	45.9	626.7
57,5°	55.9	54.2	53.1	48.0	45.6	44.6	44.2	43.6	43.3	43.2	43.3	43.9	670.6
60,0°	50.9	51.2	49.0	43.8	42.0	41.0	41.0	41.3	41.4	41.3	41.4	45.6	716.2
62,5°	47.0	48.1	45.1	40.5	38.9	37.8	37.7	37.0	36.3	36.2	36.6	44.9	761.1
65,0°	43.3	45.0	42.0	38.3	36.9	35.6	34.7	32.8	31.3	30.9	31.2	42.1	803.2
67,5°	39.5	41.3	38.8	36.8	35.8	34.1	30.8	27.7	26.5	26.2	26.5	42.5	845.7
70,0°	35.4	36.0	34.3	34.0	33.6	31.2	25.9	21.9	20.1	19.3	19.1	46.5	892.2
72,5°	29.4	29.7	29.0	29.6	29.0	25.6	19.2	15.4	13.8	12.9	12.7	48.7	940.9
75,0°	23.6	23.4	23.0	23.9	24.0	20.0	13.7	10.2	9.1	8.2	8.1	34.4	975.3
77,5°	17.7	16.7	16.1	17.0	17.6	14.4	8.7	6.1	4.9	4.0	3.8	16.7	992.0
80,0°	11.2	10.2	9.2	9.6	10.6	8.1	5.1	3.3	2.2	1.4	1.2	5.4	997.4
82,5°	5.5	5.0	4.3	4.0	4.7	3.8	2.6	1.8	1.2	0.8	0.7	1.7	999.2
85,0°	2.3	2.1	1.8	1.6	1.5	1.2	1.0	0.8	0.7	0.6	0.5	0.6	999.7
87,5°	1.3	1.2	1.1	1.0	0.8	0.8	0.7	0.6	0.5	0.5	0.5	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 midi LED	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> 59537_81
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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	23430	155.5	162.3	158.9
95	241	252	22231	145.2	151.4	148.3
90	229	250	21124	136.1	141.8	139.0
85	216	248	19925	126.6	131.8	129.2
80	203	246	18726	117.4	122.2	119.8
75	190	243	17526	108.5	112.9	110.7
70	178	241	16419	100.5	104.6	102.6
65	165	238	15220	92.0	95.8	93.9
60	152	235	14021	83.8	87.1	85.4
55	140	232	12914	76.5	79.5	78.0
50	127	229	11715	68.7	71.5	70.1
45	114	225	10516	61.1	63.6	62.4
40	102	221	9409	54.3	56.5	55.4
35	89	216	8210	47.0	48.9	48.0
30	76	210	7011	39.8	41.3	40.6
25	63	203	5811	32.8	34.0	33.4
20	51	195	4704	26.6	27.6	27.1
15	38	184	3505	20.0	20.8	20.4
10	25	169	2306	13.6	14.1	13.8
9	23	166	2122	12.6	13.1	12.8

<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	23430	151.3	157.7	154.5
95	241	252	22231	141.7	147.7	144.7
90	229	250	21124	133.1	138.7	135.9
85	216	248	19925	124.1	129.2	126.6
80	203	246	18726	115.4	120.2	117.8
75	190	243	17527	106.9	111.3	109.1
70	178	241	16420	99.2	103.3	101.2
65	165	238	15220	91.1	94.8	92.9
60	152	235	14021	83.1	86.5	84.8
55	140	232	12914	75.9	79.0	77.4
50	127	229	11715	68.3	71.1	69.7
45	114	225	10516	61.0	63.4	62.2
40	102	221	9409	54.2	56.4	55.3
35	89	216	8210	46.8	48.9	47.8
30	76	210	7011	39.8	41.3	40.6
25	63	203	5811	32.9	34.1	33.5
20	51	195	4704	26.7	27.7	27.2
15	38	184	3505	20.1	20.8	20.5
10	25	169	2306	13.8	14.2	14.0
9	23	166	2122	12.7	13.2	13.0

## Photometric test report

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> 59537_81
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	23430	153.0	159.4	156.2
95	241	252	22232	143.1	149.0	146.0
90	229	250	21125	134.3	139.8	137.0
85	216	248	19926	125.1	130.2	127.6
80	203	246	18726	116.2	120.9	118.6
75	190	243	17527	107.5	111.8	109.6
70	178	241	16420	99.7	103.7	101.7
65	165	238	15221	91.4	95.0	93.2
60	152	235	14022	83.3	86.6	84.9
55	140	232	12915	76.1	79.1	77.6
50	127	229	11716	68.4	71.1	69.8
45	114	225	10516	60.9	63.3	62.1
40	102	221	9409	54.2	56.2	55.2
35	89	216	8210	46.8	48.8	47.8
30	76	210	7011	39.8	41.2	40.5
25	63	203	5812	32.8	34.1	33.4
20	51	195	4705	26.6	27.6	27.1
15	38	184	3505	20.1	20.8	20.5
10	25	169	2306	13.7	14.1	13.9
9	23	166	2122	12.7	13.1	12.9

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31G08NB</b> <b>EAN: 4069025150882</b>	<b>LP number</b> <b>59537_81</b>
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**Luminousfluxs table** **siteco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	23430.0	155.5
5.0	23430.0	151.3
15.0	23430.0	153.0