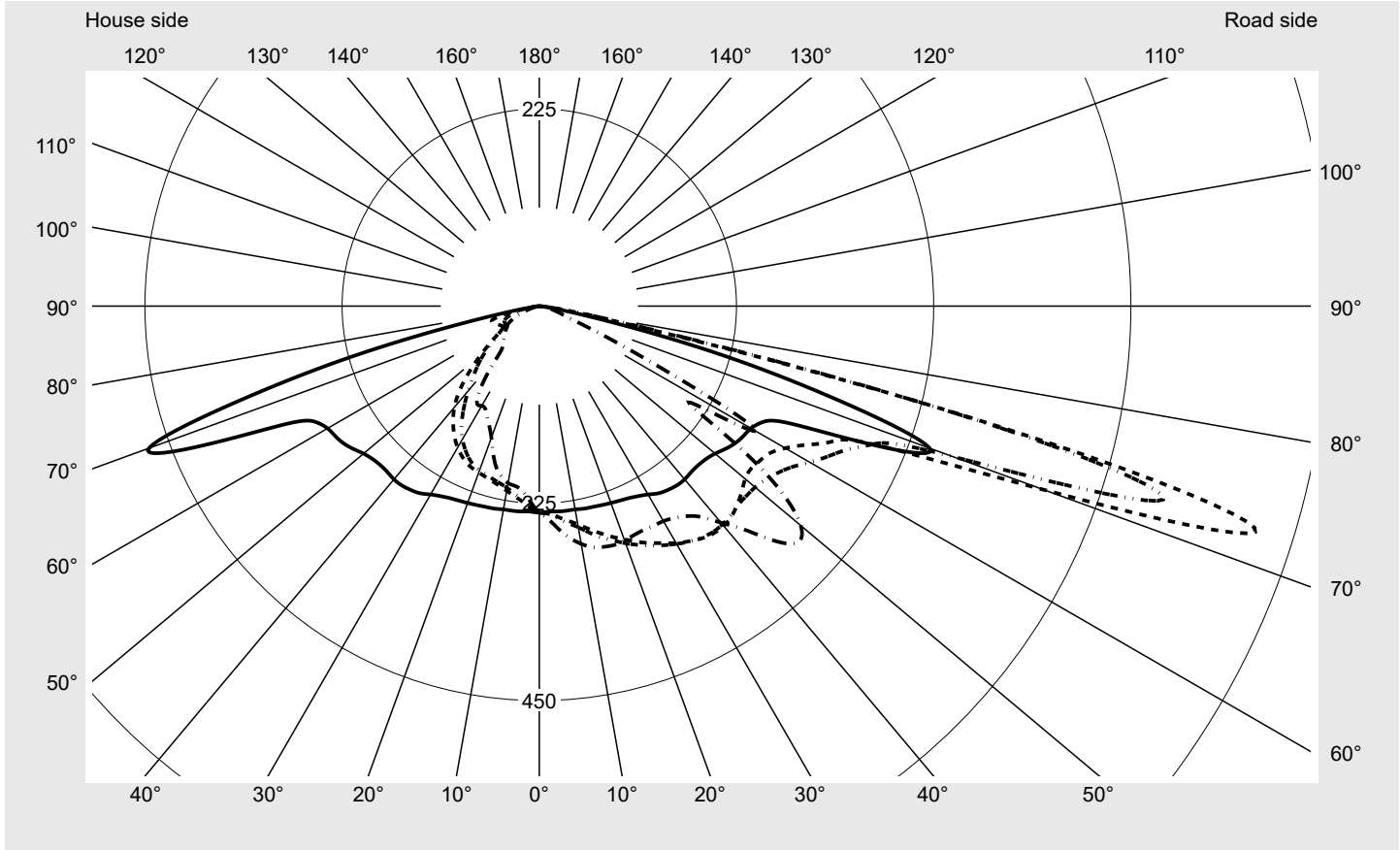


# Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> <b>59537_19</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface down <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> EVG SITECO iQ - Smart Interface <b>Rated values</b> Net luminous flux = 21740 lm Power consumption = 136.6 W Luminous efficacy = 159.2 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%

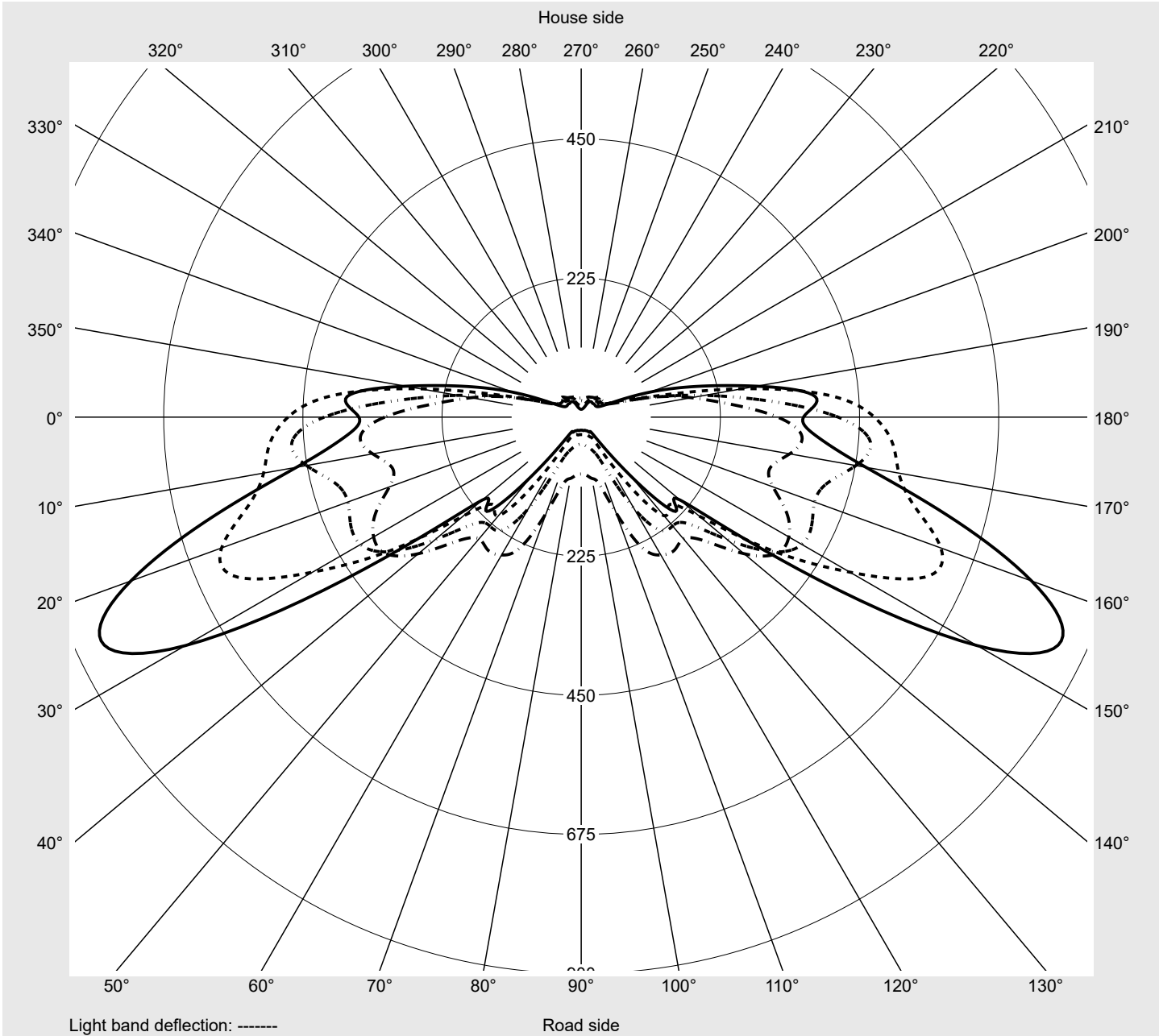
Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	618.8
Imax 80°	68.3
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> 59537_19
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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: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> <b>59537_19</b>
<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°	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: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> <b>59537_19</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: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> <b>59537_19</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: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> 59537_19
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	21740	136.6	143.6	140.1
95	241	252	20627	128.0	134.4	131.2
90	229	250	19600	120.3	126.2	123.2
85	216	248	18488	112.0	117.6	114.8
80	203	246	17375	104.0	109.1	106.6
75	190	243	16262	96.3	101.0	98.6
70	178	241	15235	89.3	93.7	91.5
65	165	238	14122	82.0	86.0	84.0
60	152	235	13010	74.8	78.5	76.6
55	140	232	11983	68.3	71.6	69.9
50	127	229	10870	61.4	64.3	62.8
45	114	225	9757	54.6	57.3	56.0
40	102	221	8730	48.5	50.8	49.6
35	89	216	7618	42.0	44.0	43.0
30	76	210	6505	35.7	37.3	36.5
25	63	203	5392	29.6	30.8	30.2
20	51	195	4365	23.9	25.0	24.4
15	38	184	3252	18.1	18.9	18.5
10	25	169	2140	12.3	12.8	12.6

<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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	21740	133.6	138.1	135.8
95	241	252	20627	125.4	129.6	127.5
90	229	250	19600	118.0	122.0	120.0
85	216	248	18487	110.2	113.9	112.0
80	203	246	17374	102.6	106.0	104.3
75	191	244	16347	95.7	98.9	97.3
70	178	241	15235	88.5	91.3	89.9
65	165	238	14122	81.3	83.9	82.6
60	152	235	13009	74.3	76.7	75.5
55	140	232	11982	67.9	70.1	69.0
50	127	229	10870	61.2	63.1	62.2
45	114	225	9757	54.5	56.2	55.4
40	102	221	8730	48.5	50.1	49.3
35	89	216	7617	42.1	43.4	42.8
30	76	210	6505	35.7	36.9	36.3
25	64	204	5478	30.0	31.0	30.5
20	51	195	4365	24.0	24.8	24.4
15	38	184	3252	18.2	18.7	18.4
10	26	171	2225	12.8	13.2	13.0

## Photometric test report

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> 59537_19
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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	21740	134.8	140.4	137.6
95	241	252	20627	126.4	131.6	129.0
90	229	250	19600	118.8	123.7	121.2
85	216	248	18487	110.9	115.4	113.2
80	203	246	17374	103.1	107.3	105.2
75	191	244	16347	96.2	100.1	98.2
70	178	241	15235	88.8	92.3	90.6
65	165	238	14122	81.5	84.8	83.2
60	152	235	13009	74.5	77.4	76.0
55	140	232	11982	68.0	70.7	69.4
50	127	229	10870	61.2	63.6	62.4
45	114	225	9757	54.5	56.7	55.6
40	102	221	8730	48.5	50.4	49.4
35	89	216	7617	41.9	43.6	42.8
30	76	210	6505	35.7	37.0	36.4
25	64	204	5478	30.0	31.1	30.6
20	51	195	4365	24.0	24.9	24.4
15	38	184	3252	18.1	18.7	18.4
10	26	171	2225	12.8	13.2	13.0

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3U31U08NB</b> <b>EAN: 4069025150905</b>	<b>LP number</b> 59537_19
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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	21740.0	136.6
5.0	21740.0	133.6
15.0	21740.0	134.8