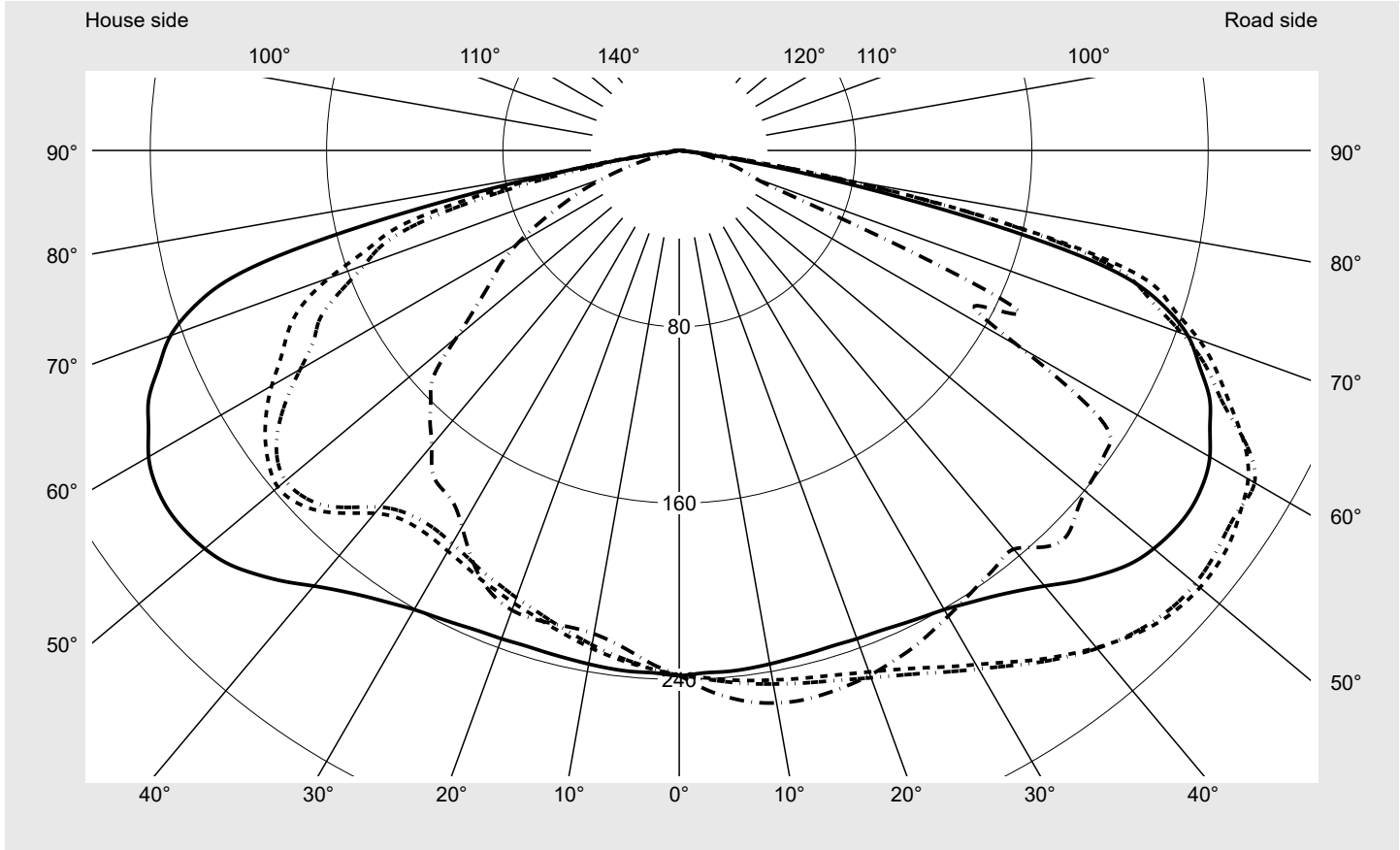


Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
	Version post-top or side-entry mounting Optic asymmetric, extremely wide distribution (P0.5a G) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 22830 lm Power consumption = 155.5 W Luminous efficacy = 146.8 lm/W	serial documentation 18.01.2024



Luminous intensity in cd/klm C180-0 C200-20 C205-25 C270-90 **Imax: 308 cd/klm**



Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

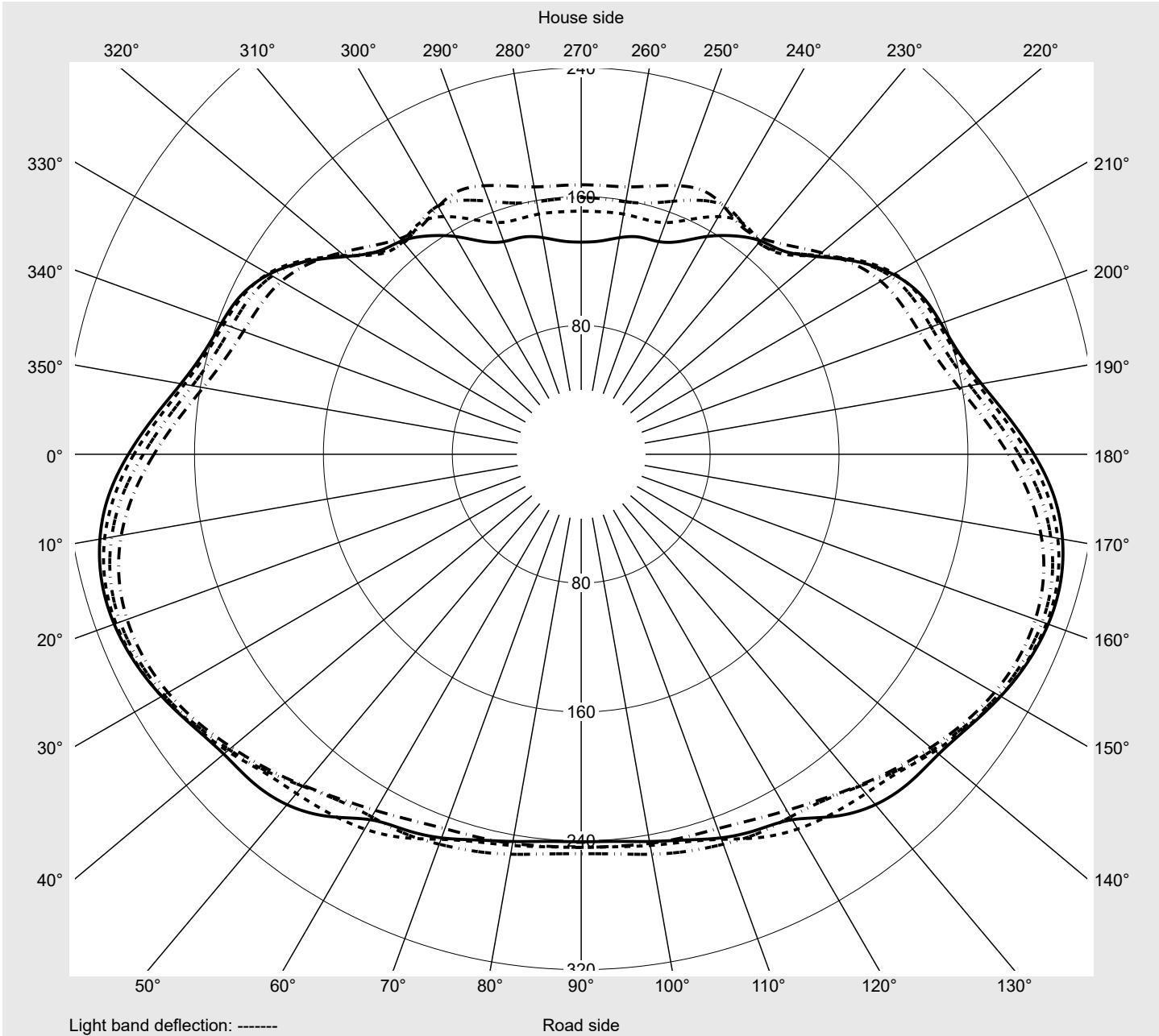
Luminous intensity class acc. to EN13201-2	
Class:	G6
Imax 70°	256.5
Imax 80°	74.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
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Envelope curve in cd/klm **KMK 50°** **KMK 47.5°** **KMK 45°** **KMK 42.5°** **siteco**



Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
Table of values for luminous intensities		Maximum luminous intensity
		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°
γ	Luminous intensity in cd/klm												
0,0°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	237.3	237.5	238.1	238.8	239.3	239.9	240.2	240.7	241.5	241.7	242.0	242.5	242.9
5,0°	237.4	238.0	238.8	239.9	241.0	241.9	242.7	243.5	244.6	245.2	245.8	246.5	247.1
7,5°	237.1	238.2	239.5	241.0	242.5	244.0	245.1	246.2	247.5	248.4	249.3	250.0	250.6
10,0°	236.6	238.2	239.9	241.9	243.9	245.8	247.4	248.6	250.0	251.1	252.0	252.6	253.2
12,5°	236.0	238.3	240.4	243.0	245.5	247.6	249.4	250.9	252.2	253.3	254.1	254.7	255.0
15,0°	235.6	238.5	241.1	244.2	247.1	249.5	251.5	253.1	254.1	255.1	255.8	256.2	256.2
17,5°	235.3	239.0	242.1	245.7	249.2	251.8	253.9	255.5	256.4	257.0	257.4	257.2	256.9
20,0°	235.7	240.1	243.9	248.0	251.8	254.6	256.7	258.1	258.5	258.7	258.6	258.0	257.4
22,5°	236.2	241.5	246.0	250.8	255.0	257.8	259.6	260.5	260.4	260.0	259.4	258.4	257.3
25,0°	237.3	243.5	248.9	254.5	259.0	261.8	262.9	262.9	262.2	261.3	260.2	258.6	257.0
27,5°	238.7	246.0	252.9	259.4	264.0	266.6	267.1	266.4	264.7	262.7	260.7	258.6	256.6
30,0°	240.5	249.4	257.8	264.7	269.3	271.6	271.4	269.9	267.6	264.6	261.5	258.8	256.5
32,5°	243.5	253.9	263.5	270.7	275.3	277.3	276.5	274.3	270.9	266.8	262.8	259.6	256.7
35,0°	247.2	259.5	270.1	277.6	282.1	283.6	282.1	279.0	274.6	269.3	264.8	260.4	256.5
37,5°	251.9	265.3	276.5	284.1	288.4	289.4	287.5	283.6	277.9	271.9	266.1	260.9	256.4
40,0°	257.9	272.0	283.3	290.8	294.5	294.9	292.3	287.5	280.9	274.1	267.3	261.3	255.9
42,5°	265.2	278.8	289.9	297.0	299.9	299.5	296.1	290.4	283.2	275.9	268.4	261.2	255.4
45,0°	271.8	285.6	295.9	302.4	304.5	303.0	298.9	292.4	285.3	277.6	269.0	262.5	260.0
47,5°	277.6	290.6	300.3	305.9	307.3	305.1	300.6	293.5	286.7	279.0	274.9	272.2	268.7
50,0°	281.0	294.4	303.3	308.0	308.5	305.7	300.6	294.3	289.6	288.2	284.0	274.4	262.0
52,5°	282.9	296.1	304.6	308.3	308.1	304.7	299.6	297.0	297.9	293.2	280.2	268.9	260.6
55,0°	283.4	296.4	304.5	307.4	306.1	302.7	301.1	302.7	299.0	287.3	277.3	263.0	250.2
57,5°	281.8	294.2	302.3	304.6	302.4	301.8	305.3	302.8	291.1	282.3	265.6	251.7	240.8
60,0°	278.0	289.6	297.4	299.9	298.1	301.4	306.7	298.1	285.4	267.5	252.7	240.4	231.1
62,5°	271.5	282.8	289.9	292.5	289.2	290.5	292.2	289.3	274.8	251.5	238.4	226.6	217.3
65,0°	265.5	275.5	281.2	283.0	276.6	272.6	272.7	269.1	253.6	232.0	217.9	208.5	203.1
67,5°	255.5	265.6	270.2	271.0	264.5	259.5	258.9	247.4	230.6	208.1	193.8	187.1	185.3
70,0°	245.6	253.4	256.5	255.8	251.0	242.8	232.3	218.1	200.6	183.2	168.1	164.4	158.1
72,5°	228.5	234.6	236.2	235.1	233.9	223.7	206.6	186.8	169.6	156.3	143.4	138.9	120.8
75,0°	194.7	195.1	199.0	209.9	213.2	203.6	180.2	156.3	139.6	128.8	118.9	109.7	86.9
77,5°	118.9	121.4	127.9	140.9	149.5	148.0	139.4	124.1	109.0	97.7	88.2	79.3	61.2
80,0°	48.4	49.8	59.9	70.1	74.5	72.8	73.8	68.2	62.2	64.4	61.2	53.2	40.3
82,5°	5.9	5.6	6.9	11.1	15.0	19.9	24.6	26.8	29.1	29.4	28.1	28.6	21.9
85,0°	2.4	2.3	2.3	2.3	2.2	2.2	2.1	2.8	5.0	6.4	7.9	7.6	6.5
87,5°	1.3	1.3	1.3	1.2	1.2	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9
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

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
Table of values for luminous intensities		Maximum luminous intensity



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°
γ	Luminous intensity in cd/klm												
0,0°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2
2,5°	243.1	243.3	243.5	243.7	244.0	244.1	237.0	236.3	236.1	236.0	235.7	235.4	235.1
5,0°	247.5	247.7	248.2	248.5	248.7	248.9	236.4	235.2	234.6	234.0	233.2	232.7	232.1
7,5°	251.1	251.3	251.7	252.1	252.3	252.4	235.6	234.0	232.8	231.8	230.6	229.8	228.8
10,0°	253.6	253.7	254.0	254.3	254.5	254.5	234.4	232.3	230.7	229.3	227.7	226.4	225.4
12,5°	255.2	255.1	255.2	255.4	255.5	255.5	233.2	230.5	228.3	226.5	224.5	223.1	222.0
15,0°	256.0	255.7	255.5	255.5	255.3	255.2	232.0	228.8	226.1	223.7	221.5	220.0	218.8
17,5°	256.4	255.7	255.2	254.9	254.6	254.5	231.1	227.2	224.0	221.0	218.5	216.8	215.8
20,0°	256.4	255.4	254.5	253.9	253.5	253.3	230.6	226.1	222.2	218.7	215.9	214.1	213.2
22,5°	256.1	254.8	253.4	252.3	251.7	251.4	230.4	225.2	220.5	216.3	213.3	211.4	210.7
25,0°	255.5	253.9	252.2	250.6	249.8	249.4	230.5	224.3	218.9	214.2	210.9	208.9	208.1
27,5°	254.6	252.6	250.7	248.6	247.2	246.8	230.6	223.7	217.2	211.8	208.1	206.1	205.4
30,0°	254.1	251.5	248.9	246.5	244.5	244.0	231.7	223.3	215.8	209.9	206.0	203.9	203.6
32,5°	253.8	250.5	247.2	244.2	242.0	241.4	233.2	223.4	215.0	208.6	204.5	202.8	202.8
35,0°	253.1	249.3	245.3	242.1	239.8	239.0	235.9	224.7	215.1	208.4	204.6	203.2	203.1
37,5°	252.2	248.0	243.9	240.6	237.9	237.1	239.1	226.9	216.7	210.0	206.5	204.9	203.8
40,0°	251.1	246.5	242.5	239.3	236.9	236.2	244.5	231.5	221.4	214.9	211.2	208.5	204.5
42,5°	250.6	247.4	246.2	245.4	244.3	244.1	251.0	238.3	228.9	223.2	219.6	214.8	206.2
45,0°	259.7	257.6	255.2	252.2	249.1	248.0	257.8	245.1	236.2	231.1	227.7	221.4	208.7
47,5°	262.6	254.5	249.2	246.7	244.6	244.1	262.9	250.1	241.1	236.1	232.0	224.4	210.0
50,0°	257.5	253.5	248.0	244.1	241.3	240.6	266.1	252.3	242.8	237.7	233.1	223.6	208.6
52,5°	251.2	244.9	242.1	240.7	239.3	238.9	266.9	251.8	241.0	234.6	229.9	219.4	203.8
55,0°	243.2	238.5	237.3	237.6	236.9	236.9	267.2	250.9	238.0	229.3	222.4	210.0	194.8
57,5°	234.8	231.1	231.4	231.5	228.4	226.6	265.9	248.8	234.0	222.2	211.5	194.5	178.5
60,0°	224.0	222.1	219.2	203.5	185.6	178.7	262.4	244.0	227.9	213.5	198.5	177.2	155.0
62,5°	211.1	203.0	179.8	157.1	151.1	152.4	255.7	235.9	219.2	203.8	187.0	161.9	138.0
65,0°	192.2	167.0	147.6	160.8	169.6	166.4	248.1	226.8	210.5	196.1	179.7	152.0	125.4
67,5°	160.4	132.9	139.7	112.6	79.6	70.0	238.5	217.0	201.7	186.0	166.0	137.5	102.2
70,0°	124.2	113.5	80.1	43.1	37.5	36.7	228.2	207.7	189.6	168.8	152.1	121.0	79.1
72,5°	94.2	70.4	34.4	31.3	30.3	30.0	213.8	196.5	166.3	147.8	140.2	97.8	60.8
75,0°	68.8	33.0	24.9	24.6	23.8	23.5	185.0	166.1	133.3	129.6	114.8	74.9	40.4
77,5°	42.1	18.9	17.8	17.5	16.7	16.4	125.5	104.8	84.8	89.9	72.8	40.0	22.4
80,0°	20.7	11.7	11.4	10.9	10.4	10.2	49.6	44.0	43.6	48.4	32.4	14.5	12.4
82,5°	9.2	6.5	6.2	6.1	5.7	5.6	6.8	6.4	10.9	13.5	8.3	5.6	5.7
85,0°	2.9	2.5	2.5	2.4	2.3	2.2	2.4	2.4	2.4	2.4	2.3	2.2	2.1
87,5°	0.9	0.8	0.9	0.8	0.8	0.8	1.3	1.3	1.3	1.3	1.3	1.3	1.2
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

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	238.2	0.4	0.4
2,5°	234.8	234.7	234.6	234.3	234.3	234.4	234.5	234.3	234.3	234.2	234.2	2.8	3.2
5,0°	231.3	231.0	230.6	230.1	229.9	229.8	229.7	229.6	229.4	229.4	229.4	5.7	8.9
7,5°	227.9	227.2	226.7	226.2	225.8	225.7	225.5	225.3	225.2	225.3	225.3	8.5	17.4
10,0°	224.2	223.7	223.2	222.7	222.5	222.5	222.4	222.4	222.5	222.6	222.7	11.3	28.7
12,5°	220.9	220.4	220.2	220.2	220.3	220.5	220.8	221.1	221.4	221.7	221.9	14.1	42.8
15,0°	218.0	217.8	218.1	218.5	219.1	219.7	220.3	220.9	221.6	222.0	222.2	16.8	59.6
17,5°	215.5	215.7	216.3	217.2	218.2	219.2	220.1	221.0	221.9	222.4	222.6	19.5	79.1
20,0°	213.3	213.9	214.9	216.1	217.4	218.4	219.3	220.3	221.1	221.7	221.9	22.2	101.2
22,5°	211.0	211.7	213.0	214.3	215.5	216.4	217.1	217.7	218.3	218.9	219.1	24.7	125.9
25,0°	208.4	209.5	210.8	212.0	212.8	213.1	213.1	213.0	213.1	213.4	213.7	27.2	153.2
27,5°	206.1	207.2	208.3	208.7	208.3	207.6	206.7	206.2	205.8	205.7	205.9	29.6	182.8
30,0°	204.5	205.4	205.3	204.4	202.8	200.8	199.0	197.7	197.2	196.9	197.1	31.9	214.7
32,5°	203.4	203.2	201.5	198.8	195.6	192.4	190.2	189.2	189.2	189.8	190.2	34.2	248.8
35,0°	202.5	199.9	195.9	191.3	186.9	183.7	183.2	184.2	185.8	187.0	187.5	36.4	285.3
37,5°	200.6	195.5	189.2	183.4	179.5	178.6	181.2	183.8	184.5	184.1	183.9	38.8	324.0
40,0°	198.0	189.6	181.5	176.2	175.6	179.2	182.3	180.9	177.6	175.3	174.7	41.1	365.1
42,5°	194.7	183.2	174.9	172.9	177.5	180.3	177.4	172.5	168.6	167.4	167.3	43.5	408.6
45,0°	192.0	177.6	171.3	174.8	178.0	174.0	167.2	161.5	159.2	159.1	159.4	45.9	454.5
47,5°	191.5	176.0	172.4	175.1	170.4	161.0	153.1	151.1	151.4	151.1	150.9	47.9	502.4
50,0°	191.0	178.3	173.0	165.5	156.1	145.9	140.5	139.6	136.6	132.9	131.7	49.3	551.6
52,5°	188.5	178.4	165.3	151.1	137.1	128.7	128.3	125.6	119.8	116.5	116.0	50.0	601.7
55,0°	180.5	166.4	147.4	130.9	119.3	117.7	116.1	110.0	105.8	104.4	104.7	50.3	651.9
57,5°	160.7	141.9	126.3	112.6	107.9	108.0	101.5	97.5	96.5	95.8	96.2	49.8	701.7
60,0°	137.1	120.9	107.9	100.7	100.2	95.4	88.5	86.8	86.3	85.0	85.1	48.3	750.0
62,5°	120.2	105.6	96.5	93.8	89.2	80.7	76.1	75.2	74.5	72.5	72.3	46.0	796.0
65,0°	103.2	92.1	87.2	82.7	74.1	66.9	63.7	62.8	63.5	59.8	59.3	43.9	839.8
67,5°	79.9	73.1	69.4	64.1	58.1	54.4	51.9	51.9	53.0	49.0	48.0	39.6	879.5
70,0°	59.9	55.4	52.2	49.6	47.6	45.3	41.9	41.0	41.2	36.5	35.7	34.9	914.4
72,5°	44.5	42.2	40.2	39.5	38.4	35.2	31.1	29.9	28.7	24.4	23.5	30.4	944.8
75,0°	32.9	31.4	31.0	30.7	29.2	25.4	20.6	18.2	15.7	12.8	12.1	25.2	969.9
77,5°	22.0	21.6	20.9	19.9	17.6	14.7	11.7	9.7	7.7	5.2	5.0	17.3	987.2
80,0°	11.8	11.1	10.5	9.8	8.8	7.5	6.0	4.8	3.6	2.0	1.8	8.9	996.1
82,5°	5.5	5.1	4.9	4.6	4.3	3.7	3.0	2.4	1.8	1.1	1.0	2.9	999.0
85,0°	2.0	1.9	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.8	0.7	0.7	999.7
87,5°	1.1	1.1	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	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

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
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Dimming levels table	environmental temperature: 25°C	siteco
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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	22830	155.5	162.3	158.9
95	241	252	21662	145.2	151.4	148.3
90	229	250	20583	136.1	141.8	139.0
85	216	248	19414	126.6	131.8	129.2
80	203	246	18246	117.4	122.2	119.8
75	190	243	17078	108.5	112.9	110.7
70	178	241	15999	100.5	104.6	102.6
65	165	238	14831	92.0	95.8	93.9
60	152	235	13662	83.8	87.1	85.4
55	140	232	12583	76.5	79.5	78.0
50	127	229	11415	68.7	71.5	70.1
45	114	225	10247	61.1	63.6	62.4
40	102	221	9168	54.3	56.5	55.4
35	89	216	7999	47.0	48.9	48.0
30	76	210	6831	39.8	41.3	40.6
25	63	203	5663	32.8	34.0	33.4
20	51	195	4584	26.6	27.6	27.1
15	38	184	3416	20.0	20.8	20.4
10	25	169	2247	13.6	14.1	13.8
9	23	166	2067	12.6	13.1	12.8

Dimming levels table	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	22820	151.3	157.7	154.5
95	241	252	21652	141.7	147.7	144.7
90	229	250	20574	133.1	138.7	135.9
85	216	248	19406	124.1	129.2	126.6
80	203	246	18238	115.4	120.2	117.8
75	190	243	17070	106.9	111.3	109.1
70	178	241	15992	99.2	103.3	101.2
65	165	238	14824	91.1	94.8	92.9
60	152	235	13656	83.1	86.5	84.8
55	140	232	12578	75.9	79.0	77.4
50	127	229	11410	68.3	71.1	69.7
45	114	225	10242	61.0	63.4	62.2
40	102	221	9164	54.2	56.4	55.3
35	89	216	7996	46.8	48.9	47.8
30	76	210	6828	39.8	41.3	40.6
25	63	203	5660	32.9	34.1	33.5
20	51	195	4582	26.7	27.7	27.2
15	38	184	3414	20.1	20.8	20.5
10	25	169	2246	13.8	14.2	14.0
9	23	166	2066	12.7	13.2	13.0

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
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Dimming levels table	environmental temperature: 15°C	siteco
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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	22820	153.0	159.4	156.2
95	241	252	21653	143.1	149.0	146.0
90	229	250	20575	134.3	139.8	137.0
85	216	248	19407	125.1	130.2	127.6
80	203	246	18239	116.2	120.9	118.6
75	190	243	17071	107.5	111.8	109.6
70	178	241	15993	99.7	103.7	101.7
65	165	238	14825	91.4	95.0	93.2
60	152	235	13657	83.3	86.6	84.9
55	140	232	12579	76.1	79.1	77.6
50	127	229	11410	68.4	71.1	69.8
45	114	225	10242	60.9	63.3	62.1
40	102	221	9164	54.2	56.2	55.2
35	89	216	7996	46.8	48.8	47.8
30	76	210	6828	39.8	41.2	40.5
25	63	203	5660	32.8	34.1	33.4
20	51	195	4582	26.6	27.6	27.1
15	38	184	3414	20.1	20.8	20.5
10	25	169	2246	13.7	14.1	13.9
9	23	166	2066	12.7	13.1	12.9

Photometric test report

Family Streetlight 21 midi LED	Order number: 5XE3V31G08NB EAN: 4069025151100	LP number 59540_81
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Luminousfluxs table	siteco
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Temperature °C	Luminous flux lm	Power consumption W
25.0	22830.0	155.5
5.0	22820.0	151.3
15.0	22820.0	153.0