



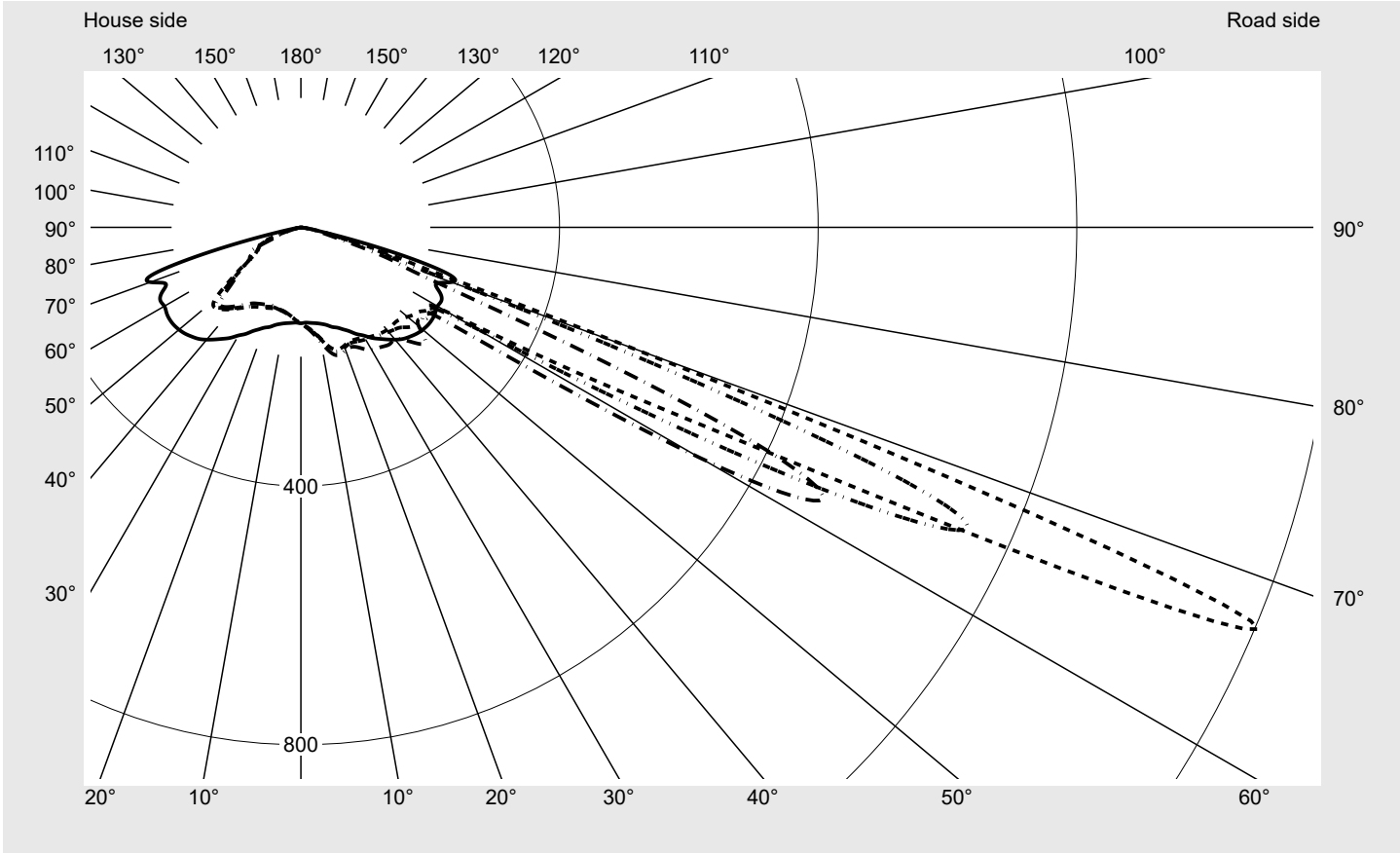
Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
	Version post-top or side-entry mounting, Smart Interface up/down Optic asymmetric distribution (PL32) Cover toughened safety glass Lamps LED 3000 K CRI ≥ 70 Controlgear ECG SITECO - Smart Interface Rated values Net luminous flux = 1460 lm Power consumption = 10.2 W Luminous efficacy = 143.1 lm/W	serial documentation 25.08.2025





Luminous intensity in cd/klm C180-0 C245-65 C250-70 C270-90 **Imax: 1590 cd/klm**



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

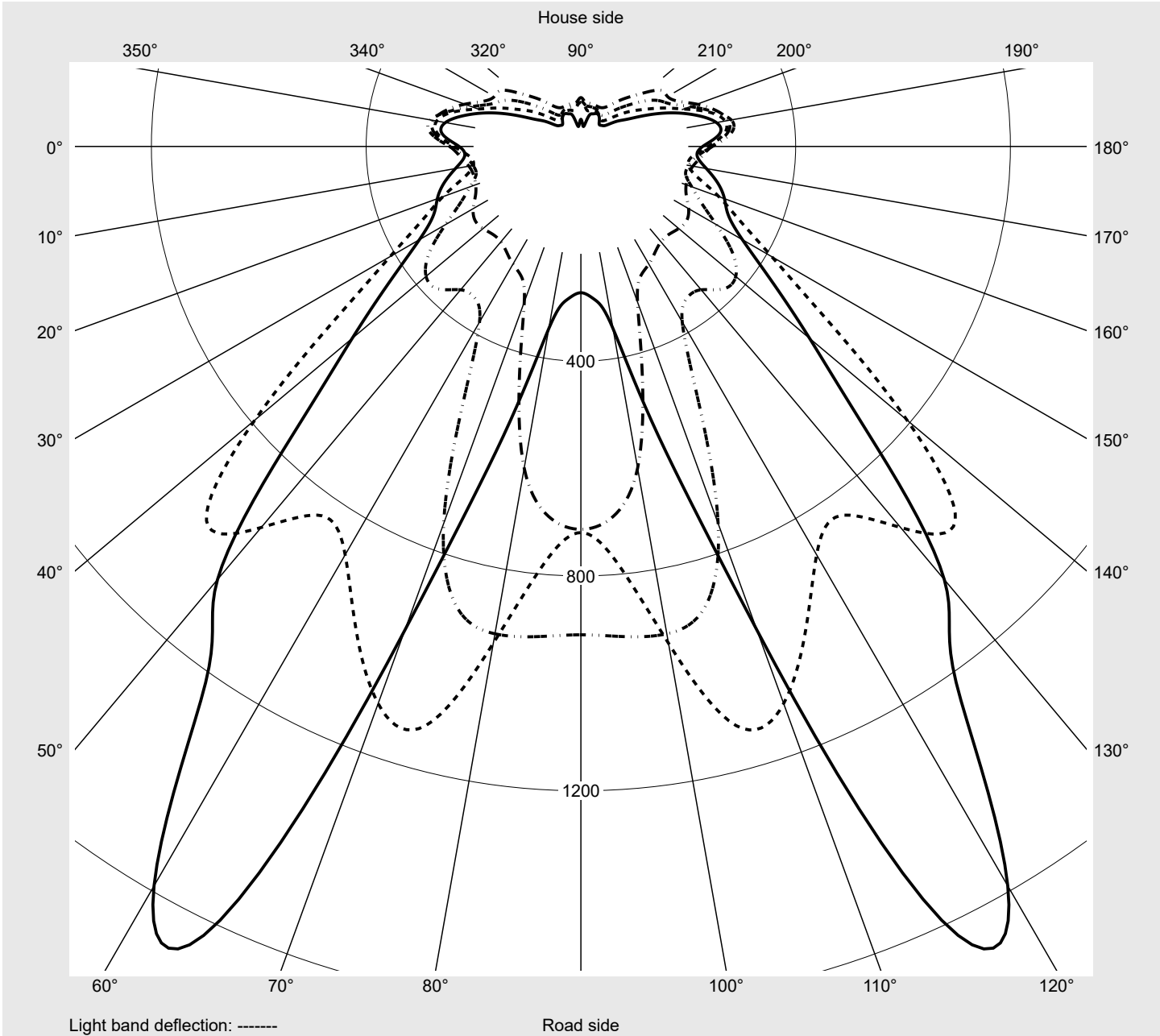
Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	732.5
Imax 80°	42.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°** **siteco**



Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	147.5	147.7	148.2	148.8	149.3	149.7	150.1	150.5	151.0	151.2	151.6	152.0	152.3
5,0°	148.1	148.8	149.6	150.5	151.5	152.4	153.2	153.9	154.7	155.3	155.9	156.5	157.1
7,5°	149.3	150.3	151.6	152.8	154.2	155.5	156.6	157.8	159.2	160.4	161.7	162.9	164.0
10,0°	150.8	152.3	153.6	155.1	156.9	158.6	160.3	162.3	164.5	166.7	168.7	170.7	172.7
12,5°	153.2	154.9	156.6	158.7	161.0	163.3	165.3	167.1	169.4	172.2	175.8	179.6	183.1
15,0°	156.6	158.5	160.8	163.5	166.3	169.0	171.4	173.6	175.7	177.6	180.4	185.5	191.1
17,5°	161.5	163.7	165.7	168.4	171.4	174.3	177.0	179.5	181.8	183.8	185.5	187.5	192.4
20,0°	165.1	168.5	171.0	174.1	176.3	178.8	181.5	183.8	186.0	187.6	188.7	189.3	190.8
22,5°	170.7	173.7	176.7	179.6	182.3	183.8	185.7	187.4	188.8	189.6	190.1	190.2	190.2
25,0°	177.2	180.3	182.5	185.8	188.3	189.3	190.1	191.0	191.1	191.4	191.6	192.0	191.8
27,5°	185.9	187.9	189.7	191.7	194.6	195.2	194.7	194.3	194.0	193.7	193.9	193.9	193.7
30,0°	193.0	195.9	197.3	198.4	199.8	200.4	199.0	197.8	197.0	196.3	196.3	195.7	195.6
32,5°	202.5	203.8	204.8	205.0	204.9	205.6	203.7	201.6	199.4	198.4	198.6	198.6	199.0
35,0°	210.3	211.7	211.9	210.9	210.1	210.0	208.0	204.8	201.9	200.3	200.6	200.9	201.8
37,5°	218.4	218.5	218.4	216.2	214.8	213.6	210.9	207.5	204.3	202.5	202.1	202.7	204.0
40,0°	226.6	225.1	223.4	220.3	218.2	215.7	213.8	210.8	207.0	204.7	204.0	204.1	205.2
42,5°	233.9	229.3	226.2	222.7	220.0	216.1	214.2	213.0	209.1	206.7	205.1	204.2	205.2
45,0°	238.8	233.5	229.0	224.6	221.7	216.2	212.8	211.8	211.0	208.6	204.5	203.3	204.4
47,5°	243.2	236.1	230.3	225.1	221.5	216.3	212.1	210.9	212.5	209.4	204.2	202.8	204.8
50,0°	246.0	237.2	229.9	225.1	220.2	215.7	212.4	211.6	213.0	212.0	205.2	203.7	207.3
52,5°	247.8	236.6	228.3	223.7	218.6	215.2	213.5	211.8	210.7	212.9	207.8	206.9	211.4
55,0°	247.9	234.2	225.4	219.4	216.5	215.7	216.1	213.7	212.2	214.1	211.4	211.0	218.0
57,5°	246.4	228.9	221.1	214.7	212.3	214.4	219.6	220.1	220.0	219.1	218.0	220.4	228.4
60,0°	243.9	225.0	211.8	206.9	208.6	216.7	231.6	240.5	237.9	231.7	231.9	240.8	253.2
62,5°	245.1	216.4	204.0	202.1	219.7	247.1	291.2	344.6	376.5	375.3	348.5	344.6	377.6
65,0°	236.7	208.7	203.4	226.2	273.6	326.7	410.6	554.3	792.9	986.2	926.4	839.9	878.2
67,5°	226.9	217.7	237.4	264.1	284.6	303.0	347.4	430.5	556.2	758.6	1053.1	1218.6	1590.2
70,0°	247.8	237.5	209.5	169.9	135.0	120.2	130.6	174.7	263.5	365.7	478.5	659.1	732.5
72,5°	237.4	161.0	89.1	48.3	32.5	27.6	30.4	46.4	88.7	160.3	213.7	229.6	201.1
75,0°	143.2	55.4	21.7	14.2	13.6	13.8	14.9	18.8	28.2	61.4	101.5	106.9	95.1
77,5°	47.8	12.0	8.4	8.7	8.8	9.4	9.5	11.9	15.3	23.0	44.7	49.6	46.2
80,0°	13.7	5.3	5.2	5.5	5.6	5.7	6.0	6.7	8.9	11.1	18.7	22.1	20.1
82,5°	3.8	2.8	2.8	2.9	3.1	3.2	3.2	3.4	4.4	5.6	6.8	8.0	8.3
85,0°	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.8	1.8	2.0	2.1
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3
2,5°	152.7	153.0	153.2	153.2	153.4	153.5	147.3	146.7	146.6	146.4	146.0	145.8	145.7
5,0°	157.7	158.3	158.9	159.4	159.7	159.8	147.5	146.6	145.9	145.4	144.6	143.9	143.4
7,5°	164.8	165.6	166.6	167.6	168.5	168.9	148.1	146.7	145.7	144.6	143.5	142.5	141.5
10,0°	174.1	175.2	176.1	177.8	179.7	180.5	149.0	147.3	145.9	144.4	143.0	141.7	140.4
12,5°	186.1	188.0	188.5	190.1	192.9	194.3	150.8	148.8	147.0	145.2	143.5	141.9	140.2
15,0°	194.9	198.0	198.7	199.3	202.4	204.2	154.3	152.0	150.0	147.7	145.6	143.7	141.8
17,5°	197.2	200.0	201.4	200.6	203.1	205.6	158.6	155.9	153.1	150.5	148.2	146.3	144.5
20,0°	195.1	197.8	199.4	199.1	199.8	202.0	161.7	159.2	156.4	153.9	151.3	148.9	146.6
22,5°	192.1	194.9	196.8	197.2	198.2	200.5	166.8	164.9	162.7	159.7	156.7	153.4	150.1
25,0°	192.1	195.5	198.7	199.8	200.6	204.2	174.1	171.6	170.1	166.6	162.7	158.2	153.9
27,5°	193.7	197.8	203.2	205.9	206.1	212.2	182.4	180.0	177.2	174.5	169.6	164.3	158.6
30,0°	196.7	200.2	207.1	210.2	209.8	218.5	190.8	188.8	185.8	181.5	177.2	170.1	163.2
32,5°	200.4	202.9	207.4	209.5	209.7	221.2	199.9	198.2	195.3	190.2	183.6	177.8	169.1
35,0°	202.9	205.8	207.0	209.1	210.0	224.4	209.9	208.8	206.0	200.2	191.7	183.5	177.5
37,5°	205.5	207.9	208.8	209.9	211.5	226.8	219.1	219.1	216.5	210.2	201.5	192.0	184.1
40,0°	207.0	211.0	212.6	213.1	218.3	225.8	228.5	229.5	227.3	220.6	211.3	201.3	193.2
42,5°	207.4	214.2	217.3	222.1	232.8	235.9	237.6	239.8	238.5	230.8	220.7	210.2	201.3
45,0°	207.1	218.9	229.5	232.8	249.5	253.7	244.8	249.2	248.9	240.5	228.6	216.9	207.7
47,5°	209.7	228.2	240.7	241.1	256.8	261.3	251.4	257.6	256.9	247.5	234.2	221.7	212.8
50,0°	215.2	234.1	242.8	237.7	238.9	238.1	257.2	265.4	263.4	251.7	236.4	223.8	214.8
52,5°	220.9	235.8	236.6	229.8	233.4	232.8	261.7	271.8	267.6	251.8	235.1	223.1	213.7
55,0°	226.4	234.2	231.6	229.7	237.8	239.0	266.0	276.0	268.4	248.8	227.1	214.3	207.5
57,5°	233.5	241.3	246.5	256.4	286.3	304.6	270.1	278.4	265.8	240.1	211.7	198.4	196.3
60,0°	265.0	308.4	442.0	608.3	691.7	713.1	273.1	279.1	259.9	230.0	199.5	186.2	181.8
62,5°	512.4	747.5	889.7	921.7	916.4	909.5	280.5	284.4	253.3	217.1	186.3	169.9	148.4
65,0°	991.5	1104.2	1116.7	939.4	778.8	719.2	267.7	272.8	247.1	203.7	169.4	138.4	114.7
67,5°	1590.2	958.6	558.5	344.6	285.8	272.4	258.6	256.3	223.6	182.9	139.3	102.3	81.7
70,0°	537.1	294.1	225.4	185.0	161.2	154.1	255.2	236.8	199.7	151.2	100.0	71.6	52.6
72,5°	165.8	135.8	113.3	93.1	80.6	77.3	268.9	225.8	168.3	106.4	67.9	42.9	32.0
75,0°	81.3	69.7	58.1	47.9	41.3	39.0	209.6	194.3	131.3	68.9	39.4	24.4	21.9
77,5°	41.1	35.1	29.8	23.1	20.4	19.4	113.2	119.8	81.1	38.2	18.0	12.0	10.3
80,0°	19.4	18.5	14.4	12.2	10.1	9.5	35.9	42.5	34.6	17.3	8.0	5.5	5.5
82,5°	9.4	8.3	6.4	5.4	4.6	4.3	5.9	6.3	6.7	4.6	3.1	2.9	2.8
85,0°	2.8	2.5	2.1	1.7	1.6	1.6	1.2	1.2	1.3	1.3	1.2	1.2	1.3
87,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.8	0.8	0.8	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

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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°	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	148.3	0.2	0.2
2,5°	145.4	145.3	145.0	144.9	144.8	144.7	144.6	144.6	144.7	144.9	144.9	1.8	2.0
5,0°	142.7	142.2	141.7	141.3	140.9	140.6	140.4	140.3	140.3	140.3	140.3	3.6	5.6
7,5°	140.6	139.6	138.8	138.1	137.6	137.0	136.8	136.6	136.6	136.5	136.5	5.4	10.9
10,0°	139.1	138.0	136.9	136.1	135.2	134.5	133.9	133.6	133.7	133.7	133.6	7.3	18.2
12,5°	138.7	137.3	136.1	134.9	133.7	132.7	131.9	131.5	131.4	131.8	131.8	9.3	27.5
15,0°	140.0	138.1	136.2	134.7	133.4	132.2	131.4	131.0	130.7	130.7	130.7	11.4	38.8
17,5°	142.5	140.2	138.4	136.2	134.2	132.2	130.6	129.3	128.7	128.6	128.8	13.4	52.3
20,0°	144.2	141.9	140.0	137.4	135.3	133.0	131.0	129.5	128.6	128.3	128.7	15.4	67.7
22,5°	147.1	144.0	141.1	138.8	137.2	134.9	132.7	130.9	129.7	129.2	129.8	17.5	85.2
25,0°	150.2	146.7	143.4	140.7	138.4	136.9	134.9	132.9	131.3	130.7	131.5	19.8	105.0
27,5°	153.7	149.7	146.2	143.2	140.7	139.1	137.1	135.3	133.7	132.7	133.4	22.2	127.1
30,0°	157.3	153.1	149.3	146.2	143.5	141.8	140.3	138.2	136.7	135.6	136.0	24.6	151.7
32,5°	162.1	157.6	154.1	150.9	147.7	146.0	144.9	142.3	140.4	139.2	139.3	27.1	178.9
35,0°	169.0	164.0	160.6	157.1	153.9	151.5	149.5	147.5	145.4	144.5	145.2	29.8	208.7
37,5°	178.8	171.9	168.3	164.4	160.7	157.8	155.9	154.3	152.1	150.8	152.0	32.6	241.2
40,0°	185.7	181.5	176.5	172.6	168.7	165.3	163.3	161.4	159.8	158.8	159.4	35.4	276.7
42,5°	193.6	188.5	185.1	180.2	176.1	172.4	170.4	169.0	167.7	167.1	167.0	38.3	315.0
45,0°	200.4	194.5	191.9	186.5	182.4	178.5	176.3	175.0	173.8	173.2	172.7	41.1	356.1
47,5°	205.3	199.5	194.5	190.9	185.5	182.2	179.7	176.1	172.4	170.3	168.9	43.6	399.7
50,0°	208.4	201.3	194.6	191.6	184.2	173.6	162.9	154.0	148.2	146.2	145.4	44.8	444.5
52,5°	206.4	199.4	191.9	178.7	162.3	145.0	134.4	128.6	126.0	125.2	126.9	45.3	489.8
55,0°	200.5	191.0	170.8	149.3	134.4	119.4	111.2	108.0	106.6	106.9	113.6	45.5	535.3
57,5°	187.9	163.3	140.7	121.7	106.4	96.3	91.1	91.9	92.2	90.7	95.9	46.2	581.5
60,0°	156.2	131.6	111.6	93.4	83.4	80.7	81.0	81.4	81.8	83.6	91.0	54.7	636.2
62,5°	122.4	100.3	81.4	71.0	71.2	74.7	75.5	76.2	75.9	78.9	84.8	71.9	708.1
65,0°	91.4	71.9	62.2	62.1	67.3	71.5	71.2	69.9	68.0	76.5	82.1	98.8	806.9
67,5°	61.6	55.3	53.3	60.0	66.6	67.6	64.6	59.9	41.5	39.8	50.4	92.9	899.8
70,0°	41.4	43.0	52.6	58.9	58.4	53.9	42.9	19.0	17.9	28.3	40.2	49.4	949.3
72,5°	31.6	38.8	44.5	44.5	38.5	31.6	16.1	14.2	13.4	20.8	26.1	24.8	974.0
75,0°	25.4	29.3	31.2	27.4	22.3	15.1	12.2	10.5	9.6	12.1	13.2	14.0	988.0
77,5°	11.8	16.6	15.7	12.8	11.4	9.8	8.8	7.0	5.7	5.6	6.5	7.1	995.1
80,0°	5.8	6.3	6.9	6.8	6.3	5.8	5.2	4.0	2.9	1.7	1.4	3.1	998.2
82,5°	3.0	3.3	3.5	3.5	3.8	3.3	2.9	2.2	1.7	1.3	1.1	1.2	999.4
85,0°	1.3	1.4	1.5	1.5	1.5	1.5	1.4	1.3	1.1	1.0	1.0	0.4	999.8
87,5°	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.2	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 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
Dimming levels table		siteco
environmental temperature: 25°C		

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	1460	10.2	10.5	10.4
95	240	252	1387	9.8	10.0	9.9
90	226	250	1314	9.2	9.5	9.4
85	212	247	1241	8.7	8.9	8.8
80	198	245	1165	8.1	8.4	8.2
75	185	242	1095	7.7	7.9	7.8
70	171	240	1019	7.2	7.3	7.2
65	158	237	947	6.7	6.9	6.8
60	145	233	875	6.2	6.4	6.3
55	132	230	801	5.7	5.9	5.8
50	120	227	733	5.4	5.5	5.4
45	107	222	657	5.0	5.1	5.0
40	94	218	582	4.5	4.6	4.6
35	82	213	511	4.1	4.2	4.2
30	70	207	440	3.6	3.7	3.6
25	58	200	368	3.1	3.2	3.2
20	46	191	294	2.5	2.6	2.6
15	34	180	221	1.9	2.0	2.0
10	22	164	147	1.3	1.4	1.4
10	21	163	141	1.3	1.3	1.3

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	1480	10.4	10.7	10.6
95	240	252	1406	9.9	10.1	10.0
90	226	250	1332	9.4	9.6	9.5
85	212	247	1257	8.8	9.1	9.0
80	199	245	1185	8.4	8.5	8.4
75	185	242	1109	7.8	8.0	7.9
70	172	240	1036	7.3	7.5	7.4
65	159	237	963	6.8	7.0	6.9
60	146	234	890	6.4	6.5	6.4
55	133	230	816	5.8	6.0	5.9
50	120	227	741	5.5	5.6	5.6
45	107	222	664	5.1	5.1	5.1
40	95	218	594	4.6	4.7	4.6
35	82	213	516	4.2	4.3	4.2
30	70	207	444	3.7	3.8	3.8
25	58	200	371	3.2	3.3	3.2
20	46	191	298	2.6	2.7	2.7
15	34	180	223	2.0	2.1	2.0
10	22	164	149	1.3	1.4	1.4
10	21	163	143	1.3	1.3	1.3

Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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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	1470	10.3	10.6	10.4
95	240	252	1397	9.8	10.1	10.0
90	226	250	1323	9.3	9.5	9.4
85	212	247	1248	8.7	9.0	8.8
80	199	245	1179	8.3	8.4	8.4
75	185	242	1102	7.8	7.9	7.8
70	172	240	1031	7.2	7.5	7.4
65	158	237	953	6.7	7.0	6.8
60	145	233	879	6.3	6.4	6.4
55	133	230	811	5.8	5.9	5.8
50	120	227	737	5.4	5.5	5.4
45	107	222	661	5.0	5.1	5.0
40	95	218	591	4.6	4.7	4.6
35	82	213	514	4.2	4.2	4.2
30	70	207	442	3.7	3.8	3.8
25	58	200	370	3.1	3.2	3.2
20	46	191	296	2.6	2.7	2.7
15	34	180	222	2.0	2.1	2.0
10	22	164	148	1.3	1.4	1.4
10	21	163	142	1.3	1.3	1.3

Photometric test report

Family Streetlight 31 micro toolless	Order number: 5XH513AT08CA EAN: 4069025512369	LP number 59800_3534
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Luminousfluxs table	sITeco
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Temperature °C	Luminous flux lm	Power consumption W
25.0	1460.0	10.2
5.0	1480.0	10.4
15.0	1470.0	10.3