

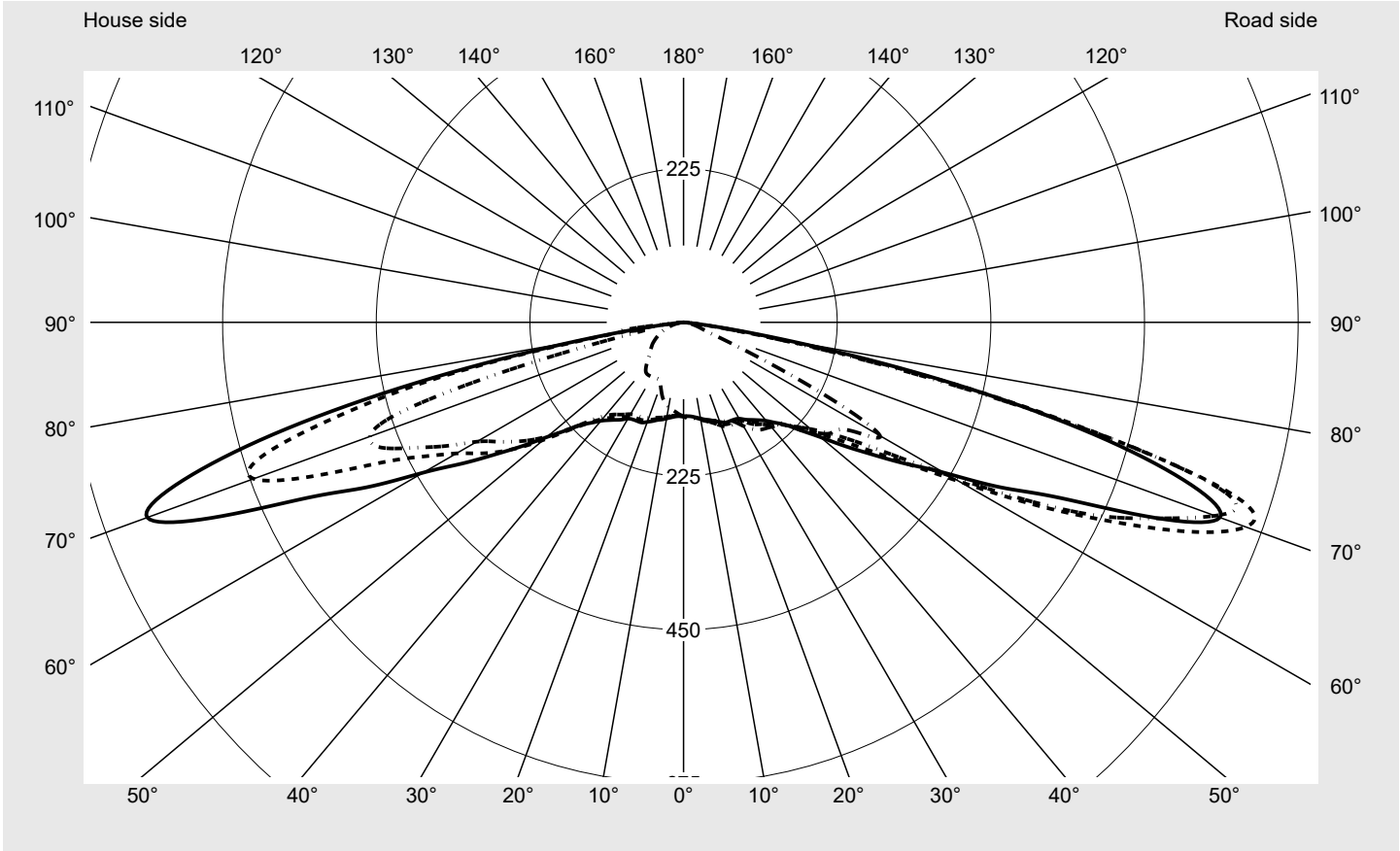
Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
	Version post-top or side-entry mounting Optic asymmetric, extremely wide distribution (P1.0a) Cover toughened safety glass Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO Rated values Net luminous flux = 13220 lm Power consumption = 86.6 W Luminous efficacy = 152.7 lm/W	serial documentation 10.04.2024





Luminous intensity in cd/klm C180-0 C185-5 C190-10 C270-90 **Imax: 876 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:	G1
Imax 70°	876.0
Imax 80°	162.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

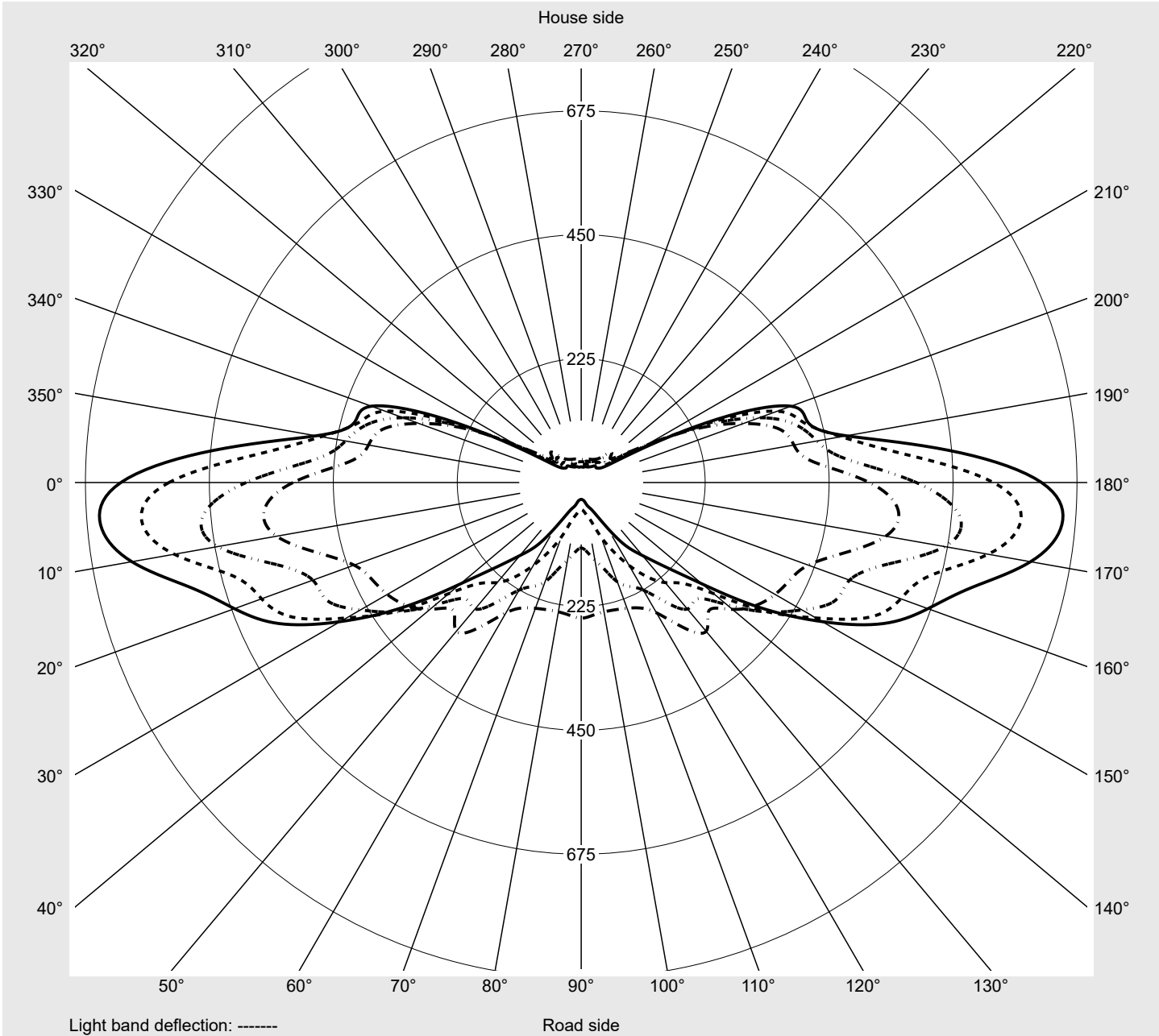
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
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Envelope curve in cd/klm **KMK 70°** **KMK 67.5°** **KMK 65°** **KMK 62.5°** **siteco**



Photometric test report

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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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	137.6	137.8	138.1	138.4	138.7	138.9	139.1	139.2	139.4	139.6	139.8	140.0	140.2
5,0°	138.5	139.2	139.6	140.3	140.5	140.9	141.1	141.2	141.4	141.4	141.4	141.3	141.2
7,5°	140.5	141.3	142.0	142.6	143.1	143.3	143.5	143.3	143.1	142.9	142.6	142.4	142.2
10,0°	143.0	144.0	144.7	145.4	145.8	145.8	145.8	145.5	145.2	145.0	145.0	144.8	144.8
12,5°	145.8	146.9	147.9	148.9	149.3	149.4	149.3	149.0	148.9	149.1	149.1	149.3	149.3
15,0°	148.1	149.7	151.3	152.6	153.4	153.6	153.4	153.2	153.5	153.9	154.4	154.3	153.8
17,5°	151.7	153.6	155.7	157.5	158.7	158.8	158.8	159.1	159.4	159.8	159.7	159.2	158.2
20,0°	155.1	158.1	161.0	163.3	164.2	164.1	164.6	165.3	165.7	165.4	164.5	163.2	161.8
22,5°	158.8	161.7	165.4	168.6	169.9	170.3	170.6	171.2	171.3	170.6	169.1	167.3	166.1
25,0°	159.7	162.7	166.1	169.6	172.1	174.1	175.7	176.2	175.6	174.6	173.5	172.8	171.9
27,5°	160.5	163.1	166.1	169.3	172.0	175.1	178.4	179.6	178.9	178.4	178.4	178.1	176.9
30,0°	162.9	166.0	168.1	170.2	171.6	174.4	178.2	181.1	182.4	182.5	182.5	182.3	182.5
32,5°	168.9	172.1	174.5	175.7	174.6	174.4	176.5	180.0	185.2	187.4	187.6	188.9	191.5
35,0°	174.4	178.4	182.5	184.8	182.5	180.4	176.7	177.9	185.6	194.2	194.3	195.4	199.0
37,5°	180.6	184.7	188.1	190.0	189.4	187.5	184.0	179.4	184.8	195.6	197.1	198.4	207.5
40,0°	188.3	193.0	196.0	196.4	195.8	194.5	193.8	189.1	183.5	191.7	198.6	205.7	221.9
42,5°	199.5	201.6	203.3	202.7	200.8	199.7	201.6	201.1	191.3	187.7	204.5	218.7	240.8
45,0°	212.8	213.5	214.0	210.6	206.9	204.9	205.5	210.8	207.3	188.5	215.7	238.2	261.1
47,5°	234.8	228.3	226.8	222.0	215.4	211.2	210.0	219.7	224.9	198.8	232.6	260.4	279.8
50,0°	261.5	249.9	243.2	238.9	228.9	221.6	220.2	228.8	245.1	220.2	254.2	283.6	303.5
52,5°	297.7	280.2	266.1	259.2	247.5	239.7	238.5	246.0	265.8	247.9	282.3	316.4	335.3
55,0°	337.4	322.0	301.1	288.9	277.4	268.8	266.3	269.5	288.8	278.7	319.2	344.1	347.3
57,5°	385.1	381.6	359.0	337.9	321.9	309.6	301.3	298.3	309.3	319.9	348.2	353.7	371.5
60,0°	440.3	466.2	448.4	408.8	375.5	357.0	344.2	340.3	341.9	339.0	355.2	362.7	338.2
62,5°	523.2	577.6	561.4	494.1	438.7	418.3	406.4	388.4	358.4	328.4	352.8	320.5	273.2
65,0°	608.4	689.1	670.0	574.3	518.4	508.2	462.7	409.5	345.5	298.5	299.9	263.6	225.5
67,5°	748.5	800.9	750.1	654.7	617.4	578.3	491.9	407.7	313.8	258.9	237.3	209.1	173.7
70,0°	835.7	876.0	828.3	735.0	669.9	605.9	505.2	395.6	286.5	216.9	173.1	138.8	95.3
72,5°	767.9	847.4	834.6	753.0	675.5	624.1	476.4	338.3	269.5	155.5	103.4	68.3	45.4
75,0°	601.3	627.5	623.8	596.1	588.3	536.2	347.0	224.8	141.1	94.6	57.6	37.7	31.5
77,5°	377.2	369.4	340.9	324.6	382.3	290.7	181.7	68.8	46.5	55.4	30.3	22.6	19.4
80,0°	162.9	136.5	129.6	138.8	127.6	130.2	48.4	27.0	26.4	29.1	16.9	12.4	11.1
82,5°	43.8	36.6	34.8	35.5	31.5	36.1	19.4	15.8	10.2	11.2	8.3	6.4	6.1
85,0°	4.0	3.8	4.0	5.1	5.8	5.1	4.0	3.4	3.4	3.3	3.4	2.9	2.4
87,5°	1.6	1.6	1.6	1.6	1.4	1.4	1.4	1.2	1.1	1.0	1.0	0.9	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 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
Table of values for luminous intensities		Maximum luminous intensity

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°
γ	Luminous intensity in cd/klm												
0,0°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7
2,5°	140.3	140.4	140.6	140.7	140.6	140.7	137.3	136.8	136.5	136.2	136.0	135.7	135.4
5,0°	141.1	141.1	141.1	141.0	141.0	140.9	137.8	137.0	136.4	135.7	135.0	134.3	133.8
7,5°	142.0	142.0	142.0	141.9	141.9	141.9	139.4	138.3	137.3	136.3	135.2	134.2	133.3
10,0°	144.7	144.6	144.5	144.5	144.5	144.5	141.8	140.4	139.1	137.7	136.2	134.7	133.2
12,5°	149.0	148.6	148.1	147.8	147.6	147.5	144.3	142.7	141.1	139.3	137.4	135.6	134.0
15,0°	153.2	152.3	151.4	150.5	149.8	149.5	146.4	144.4	142.4	140.2	138.1	136.0	133.8
17,5°	157.0	155.4	153.9	152.4	151.3	151.0	149.2	146.7	143.9	141.2	138.5	135.7	132.9
20,0°	160.4	158.8	156.9	154.9	153.7	153.4	152.3	149.1	145.6	142.2	138.6	135.3	132.1
22,5°	165.5	164.5	162.2	159.4	157.3	156.6	155.1	151.1	147.4	143.6	139.6	135.8	131.5
25,0°	170.8	168.7	166.0	162.7	159.8	158.7	156.2	152.3	148.5	144.4	140.4	136.2	130.8
27,5°	176.0	174.0	171.6	168.7	166.2	165.0	156.9	153.1	149.2	145.0	140.9	135.8	128.2
30,0°	184.5	184.6	183.8	180.6	177.2	175.4	159.5	155.3	150.8	146.5	141.8	134.9	123.5
32,5°	195.4	197.6	198.7	194.5	188.1	184.6	164.6	159.9	154.5	149.5	143.2	133.0	116.6
35,0°	205.3	212.3	214.6	208.3	197.4	192.2	170.0	164.9	159.2	153.4	144.3	128.6	108.6
37,5°	220.1	229.7	229.4	219.5	203.8	196.1	176.3	170.3	164.6	157.3	143.9	122.6	101.1
40,0°	239.9	248.1	246.3	233.7	211.7	199.9	185.0	179.2	172.3	162.5	142.6	115.1	94.4
42,5°	259.0	266.7	261.1	245.8	218.9	204.2	197.3	191.9	183.9	169.6	139.8	107.7	88.8
45,0°	276.7	281.0	272.9	255.5	228.0	209.9	214.7	210.8	199.3	178.4	137.7	99.9	85.4
47,5°	294.0	298.2	291.4	276.4	250.6	234.4	237.9	233.7	216.5	188.6	139.4	93.3	84.2
50,0°	322.1	330.4	318.6	300.5	266.7	251.3	267.9	259.4	235.1	201.0	143.1	91.2	85.4
52,5°	348.5	350.6	342.2	322.0	287.4	267.8	300.3	283.5	253.9	216.6	153.4	94.5	87.8
55,0°	363.6	368.7	344.6	319.7	295.6	274.8	330.8	304.6	274.6	235.8	169.5	102.0	89.2
57,5°	371.4	338.9	325.0	316.3	309.8	299.1	357.3	325.2	301.8	259.9	193.8	115.5	89.8
60,0°	311.8	300.4	292.0	295.6	316.6	332.1	383.9	349.6	330.6	283.7	214.3	128.4	88.8
62,5°	251.4	243.1	239.2	238.5	242.0	246.4	424.5	392.1	373.3	313.8	231.2	134.7	84.5
65,0°	208.3	192.0	163.2	143.3	126.9	119.0	484.3	434.6	404.0	344.1	241.6	131.4	74.2
67,5°	138.1	105.2	74.8	60.9	52.4	49.2	589.7	479.2	419.0	378.8	255.5	121.3	59.0
70,0°	65.5	51.0	43.8	35.2	31.7	30.6	669.9	488.6	425.5	405.3	271.8	102.8	48.7
72,5°	37.7	35.0	33.9	26.0	23.8	23.5	643.4	428.4	419.5	405.8	255.3	81.7	43.6
75,0°	27.9	25.6	24.4	19.8	17.9	17.5	513.0	241.7	319.6	334.9	189.4	58.8	35.0
77,5°	18.2	17.0	15.9	14.2	12.4	12.4	350.6	78.7	160.1	216.5	109.0	42.1	26.4
80,0°	11.5	10.3	9.6	8.1	7.6	7.5	145.4	68.9	132.5	123.3	59.1	28.9	17.3
82,5°	5.9	5.1	4.8	4.2	3.9	4.0	45.8	92.4	98.2	54.2	31.1	19.5	11.7
85,0°	2.2	2.0	1.8	1.6	1.6	1.5	3.8	6.6	9.0	5.6	8.5	7.6	5.3
87,5°	0.8	0.6	0.5	0.5	0.5	0.5	1.7	1.8	1.8	1.8	1.8	1.7	1.7
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

Family Streetlight 31 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
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°	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	137.7	0.2	0.2
2,5°	135.3	135.0	134.9	134.9	134.7	134.7	134.9	134.9	135.0	135.1	135.1	1.6	1.9
5,0°	133.2	132.7	132.4	132.1	131.9	131.7	131.8	131.7	131.8	131.8	131.8	3.3	5.1
7,5°	132.4	131.5	130.8	130.0	129.4	129.1	128.9	128.9	128.8	128.8	128.9	4.9	10.1
10,0°	131.9	130.7	129.6	128.6	127.8	126.9	126.4	126.0	125.8	125.8	125.6	6.6	16.6
12,5°	132.1	130.2	128.2	126.5	125.0	123.7	122.6	121.8	121.3	121.2	121.1	8.3	24.9
15,0°	131.3	129.1	126.7	124.4	122.2	120.3	118.7	117.3	116.5	116.0	115.9	10.0	34.9
17,5°	130.2	127.4	124.7	121.4	117.9	114.7	111.9	109.7	108.3	107.5	107.3	11.7	46.7
20,0°	128.7	125.0	120.6	115.6	110.7	106.5	103.3	100.9	99.4	98.7	98.5	13.4	60.0
22,5°	126.5	120.4	113.3	106.9	101.5	97.5	94.6	93.0	92.2	92.0	91.9	15.0	75.0
25,0°	122.9	113.4	104.7	97.9	93.4	91.1	90.1	90.1	90.3	90.8	91.0	16.6	91.7
27,5°	116.8	105.0	96.2	91.1	89.0	88.7	89.2	89.9	90.7	91.3	91.4	18.3	110.0
30,0°	108.8	97.0	90.0	87.8	87.6	87.9	89.0	90.3	91.2	92.0	92.2	20.0	130.0
32,5°	101.0	90.7	87.2	87.1	86.9	87.4	88.7	90.5	91.8	92.7	92.7	22.0	152.0
35,0°	93.8	87.1	86.7	86.6	86.4	87.1	88.8	90.7	92.3	92.8	92.7	24.1	176.0
37,5°	89.0	86.6	86.7	86.0	85.9	86.8	88.2	89.9	91.1	91.2	90.8	26.1	202.1
40,0°	86.3	86.8	85.9	85.4	85.7	86.0	86.4	86.9	87.0	86.2	85.5	28.3	230.5
42,5°	86.3	86.6	85.4	85.2	84.9	84.4	83.0	81.7	80.6	79.4	78.7	30.7	261.1
45,0°	86.9	86.1	84.8	83.6	82.2	80.6	78.7	76.5	74.5	72.5	71.7	33.3	294.4
47,5°	88.0	86.7	83.6	80.8	78.1	76.1	74.1	71.8	69.7	67.7	66.9	36.5	330.9
50,0°	90.6	89.1	81.1	76.3	73.1	71.2	69.0	67.0	65.3	63.7	63.1	40.4	371.3
52,5°	92.5	90.6	77.8	71.4	68.2	66.2	64.1	62.3	60.9	59.7	59.1	44.9	416.2
55,0°	91.0	89.5	75.1	67.0	63.6	61.4	59.1	57.8	56.7	55.7	55.6	49.6	465.8
57,5°	87.1	90.3	71.6	62.0	58.0	56.1	54.5	53.4	52.6	51.2	51.1	54.7	520.5
60,0°	79.8	88.3	67.6	57.7	53.6	51.4	49.9	49.0	48.1	46.8	46.6	59.3	579.8
62,5°	68.5	77.9	63.2	52.8	48.6	46.4	45.1	44.2	43.2	42.2	41.9	62.7	642.5
65,0°	57.6	63.2	56.5	47.7	44.1	41.7	40.4	40.3	38.7	37.8	37.8	64.7	707.2
67,5°	48.5	48.6	48.1	41.8	38.5	36.5	35.2	35.0	33.6	33.4	33.2	66.2	773.4
70,0°	40.7	38.1	39.3	35.9	33.1	31.1	30.1	30.0	28.5	28.1	28.5	67.0	840.4
72,5°	34.1	30.9	31.6	30.4	28.1	26.2	25.0	24.7	23.5	22.9	22.9	63.1	903.6
75,0°	28.3	25.1	25.1	24.8	23.1	21.3	20.1	19.5	18.5	17.9	18.2	48.2	951.8
77,5°	22.0	19.5	18.9	19.3	17.9	16.5	15.2	14.3	13.9	13.4	13.5	27.9	979.7
80,0°	15.2	13.6	13.0	13.6	12.6	11.5	10.6	9.9	9.4	9.2	9.2	13.1	992.8
82,5°	10.2	9.1	8.0	8.7	8.1	7.4	6.8	6.2	5.7	5.6	5.7	5.7	998.5
85,0°	5.1	4.8	4.6	4.6	4.6	4.0	3.6	3.3	3.0	3.1	3.1	1.1	999.6
87,5°	1.6	1.6	1.6	1.4	1.4	1.5	1.5	1.4	1.3	1.4	1.2	0.4	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 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
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	13220	86.6	90.0	88.3
95	239	252	12548	81.4	84.5	83.0
90	225	250	11910	76.5	79.5	78.0
85	211	247	11259	71.7	74.4	73.1
80	197	245	10597	66.9	69.5	68.2
75	183	242	9922	62.1	64.5	63.3
70	169	239	9239	57.3	59.5	58.4
65	156	236	8593	52.9	54.9	53.9
60	143	233	7938	48.4	50.4	49.4
55	130	229	7270	44.0	45.7	44.8
50	117	226	6595	39.8	41.2	40.5
45	105	222	5963	35.8	37.1	36.4
40	92	217	5266	31.5	32.7	32.1
35	80	212	4617	27.6	28.6	28.1
30	68	206	3960	23.8	24.6	24.2
25	56	199	3291	20.0	20.7	20.4
20	44	190	2617	16.2	16.8	16.5
15	34	180	2048	13.1	13.5	13.3

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	13500	87.7	91.2	89.4
95	239	252	12804	82.5	85.6	84.0
90	225	250	12142	77.5	80.5	79.0
85	211	247	11471	72.6	75.5	74.0
80	197	245	10789	67.8	70.4	69.1
75	184	242	10145	63.3	65.7	64.5
70	170	239	9444	58.4	60.7	59.6
65	157	236	8783	54.0	56.0	55.0
60	144	233	8113	49.5	51.4	50.4
55	131	230	7431	45.0	46.7	45.8
50	118	226	6743	40.6	42.2	41.4
45	106	222	6099	36.6	38.0	37.3
40	93	217	5390	32.3	33.5	32.9
35	81	212	4732	28.4	29.4	28.9
30	69	206	4064	24.5	25.4	25.0
25	57	199	3386	20.6	21.3	21.0
20	45	191	2703	16.9	17.4	17.2
15	34	180	2071	13.3	13.7	13.5

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
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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] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	13370	87.2	90.6	88.9
95	239	252	12686	81.9	85.0	83.4
90	225	250	12034	77.0	80.0	78.5
85	211	247	11373	72.1	74.9	73.5
80	197	245	10700	67.3	69.9	68.6
75	183	242	10015	62.5	64.9	63.7
70	170	239	9372	58.0	60.3	59.2
65	156	236	8668	53.3	55.3	54.3
60	143	233	8004	48.8	50.7	49.8
55	130	229	7329	44.4	46.0	45.2
50	118	226	6698	40.3	41.9	41.1
45	105	222	6008	36.0	37.3	36.6
40	93	217	5359	32.1	33.2	32.7
35	81	212	4704	28.2	29.2	28.7
30	68	206	3986	24.0	24.8	24.4
25	57	199	3368	20.5	21.2	20.8
20	45	191	2690	16.7	17.2	17.0
15	34	180	2061	13.2	13.6	13.4

Photometric test report

Family Streetlight 31 midi toolless	Order number: 5XH7A4AB08LA EAN: 4069025098214	LP number 59580_28
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Luminousfluxs table	siteco
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Temperature °C	Luminous flux lm	Power consumption W
25.0	13220.0	86.6
5.0	13500.0	87.7
15.0	13370.0	87.2