



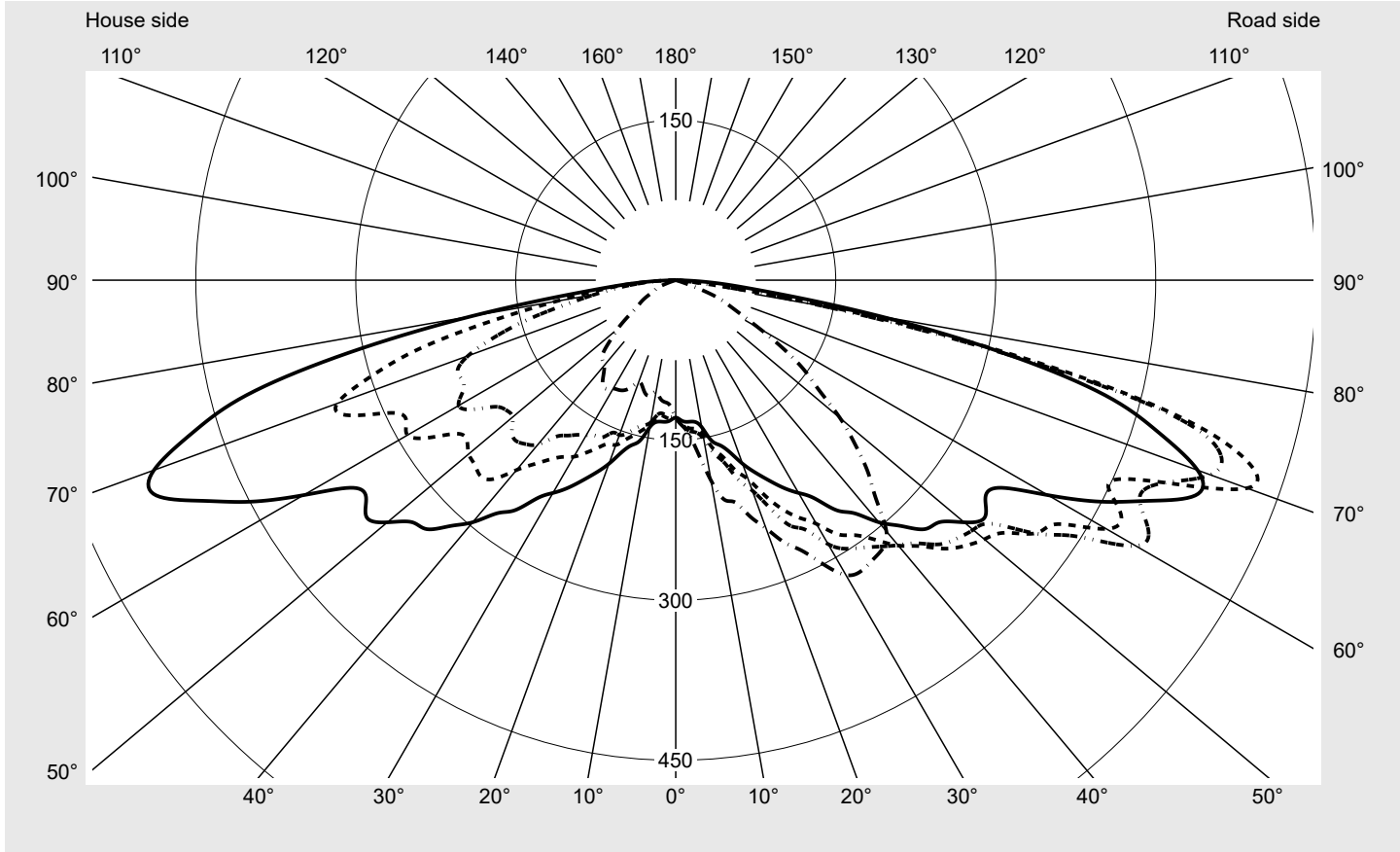
# Photometric test report

<b>Family</b> <b>Streetlight 11 midi LED</b>	<b>Order number: 5XC3K51F08ME</b> <b>EAN: 4058352991930</b>	<b>LP number</b> <b>59598_88</b>
	<b>Version</b> post-top or side-entry mounting <b>Optic</b> asymmetric, extremely wide distribution with an additional rear light component (ST1.0P1.0) <b>Cover</b> transparent, PMMA <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> ECG SITECO iQ <b>Rated values</b> Net luminous flux = 17550 lm Power consumption = 124.7 W Luminous efficacy = 140.7 lm/W	<b>serial documentation</b> <b>23.05.2024</b>





**Luminous intensity in cd/klm** C180-0 C190-10 C195-15 C270-90 **Imax: 570 cd/klm**



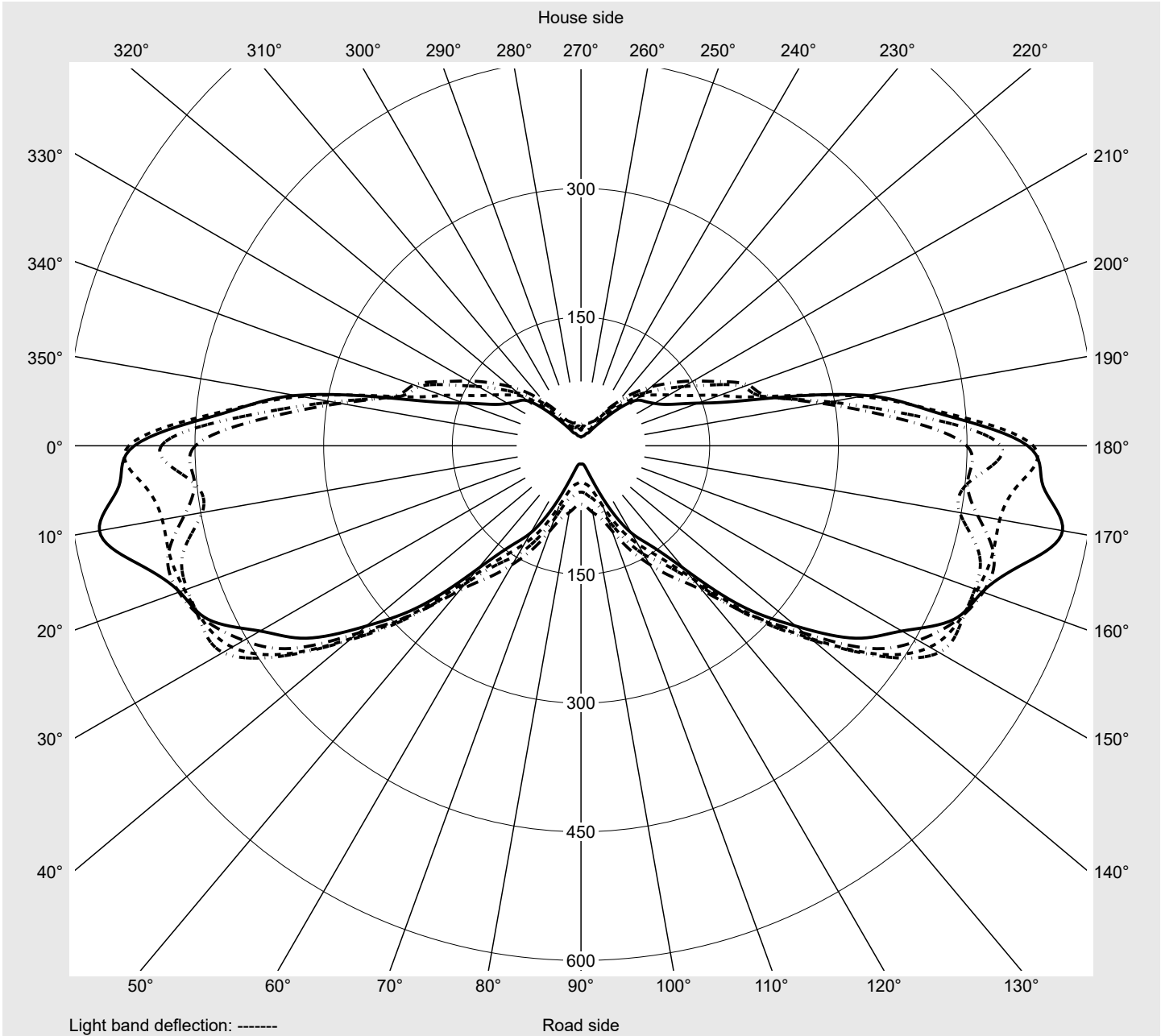
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G1
Imax 70°	570.0
Imax 80°	194.2
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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**Envelope curve in cd/klm**      **KMK 70°**    **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**      **siteco**



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<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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2,5°	131.9	133.0	133.9	134.9	136.1	137.0	137.6	138.2	138.4	138.5	138.6	138.7	138.2
5,0°	133.2	136.1	139.1	141.6	143.8	145.8	147.7	148.9	150.0	150.6	150.8	149.9	149.1
7,5°	133.9	136.7	140.4	143.9	148.1	152.1	155.7	158.2	158.9	158.6	158.4	158.4	159.6
10,0°	139.8	141.8	146.6	151.1	155.9	160.4	164.9	168.7	170.8	173.0	175.3	176.7	178.6
12,5°	153.8	157.6	161.6	166.2	169.1	171.2	176.1	181.5	186.9	191.6	196.8	199.1	199.2
15,0°	160.1	165.4	171.7	177.5	183.0	187.6	191.5	195.4	200.4	206.8	214.2	217.9	218.8
17,5°	169.3	178.0	187.1	196.4	203.5	208.6	212.0	216.7	220.7	218.5	217.9	222.6	227.4
20,0°	183.0	191.6	198.6	209.8	221.5	227.3	234.2	244.4	249.0	244.2	236.4	234.3	238.0
22,5°	195.3	207.5	218.4	231.4	244.2	251.9	258.2	267.9	272.6	262.1	253.0	252.2	253.5
25,0°	207.2	222.0	236.9	253.8	268.0	277.5	283.2	287.7	288.4	275.0	267.2	267.5	267.1
27,5°	219.5	234.3	251.0	263.8	277.1	288.5	297.3	298.5	295.3	286.3	280.2	275.6	280.0
30,0°	230.3	247.6	263.8	285.6	293.7	300.0	305.9	307.8	305.7	298.8	293.0	289.9	294.2
32,5°	242.6	261.6	282.3	298.4	304.0	314.0	318.4	317.2	318.5	315.8	308.8	304.6	308.6
35,0°	263.3	275.9	291.7	306.0	312.3	319.0	312.7	316.6	318.1	316.0	314.1	310.6	312.4
37,5°	275.4	291.3	306.4	314.7	315.0	318.9	317.9	321.2	320.4	314.5	312.7	306.2	307.9
40,0°	296.1	313.6	324.7	324.1	320.8	324.9	322.6	320.2	320.4	311.0	304.3	302.3	300.5
42,5°	312.4	321.4	338.0	334.4	334.0	338.3	336.0	329.2	317.9	310.9	306.3	302.6	296.3
45,0°	330.0	336.5	355.8	350.0	339.1	343.8	341.2	333.1	324.1	318.3	303.0	288.9	283.3
47,5°	335.6	350.0	368.3	358.1	351.4	357.2	351.5	334.1	325.6	321.8	297.9	269.4	267.7
50,0°	353.0	372.9	377.7	364.0	346.4	357.3	356.7	346.4	324.5	308.7	286.4	263.1	245.6
52,5°	365.2	381.4	388.9	375.2	352.6	361.6	360.7	335.6	312.7	291.9	264.5	237.7	218.9
55,0°	354.5	386.7	413.1	414.4	387.7	377.5	376.0	352.6	321.7	279.8	234.7	214.6	196.8
57,5°	362.1	390.7	425.4	447.3	428.7	416.3	395.6	369.7	324.7	270.0	225.0	198.9	184.3
60,0°	402.9	425.8	466.2	498.1	480.2	457.1	421.3	382.8	330.9	266.1	224.8	197.9	175.4
62,5°	449.6	452.7	469.7	498.5	498.9	482.6	453.9	411.9	340.0	278.7	220.4	187.2	159.5
65,0°	489.3	457.3	448.4	480.1	488.6	488.8	482.0	428.0	352.5	282.5	209.7	168.4	146.0
67,5°	527.2	512.5	495.7	496.1	491.7	485.4	469.5	423.6	349.4	276.2	201.9	157.9	131.9
70,0°	520.7	540.8	570.0	533.5	497.9	479.3	431.9	391.1	327.0	263.8	187.4	142.4	117.2
72,5°	474.8	514.1	560.7	534.5	496.0	445.7	379.7	338.9	300.1	256.8	180.0	96.8	59.1
75,0°	416.9	459.0	481.8	473.4	430.7	360.9	291.7	269.6	241.5	167.7	78.6	26.6	9.3
77,5°	313.8	328.3	326.2	309.8	269.3	236.0	197.5	154.9	90.6	32.8	9.1	2.3	1.7
80,0°	194.2	175.7	157.7	141.7	116.5	99.5	70.8	31.3	8.5	2.8	2.3	1.8	1.4
82,5°	95.9	70.3	42.3	38.2	31.5	21.9	9.0	2.9	2.8	2.2	1.6	1.3	1.0
85,0°	49.2	29.2	8.7	5.4	2.2	2.1	1.9	2.0	2.1	1.5	1.0	0.8	0.7
87,5°	18.5	10.9	3.2	2.0	0.8	0.7	0.7	0.8	0.8	0.6	0.4	0.3	0.2
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

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8
2,5°	137.7	137.2	137.2	137.0	136.7	136.4	130.8	129.7	128.3	126.9	125.9	124.4	123.5
5,0°	148.3	147.5	146.3	145.6	145.6	145.4	130.9	128.1	126.1	124.4	122.6	121.0	119.5
7,5°	160.9	161.8	162.9	164.0	164.5	164.8	130.9	128.5	126.8	125.1	123.6	122.3	120.5
10,0°	180.6	182.9	186.2	188.2	190.4	190.8	138.1	137.2	135.4	132.7	129.7	126.8	124.0
12,5°	199.8	201.5	202.2	205.9	209.2	210.7	149.3	143.8	139.4	135.0	131.8	129.6	127.7
15,0°	219.8	218.8	218.2	217.9	216.3	215.6	155.6	150.2	143.5	137.8	133.9	129.6	126.2
17,5°	230.2	230.9	232.8	233.2	232.6	232.4	163.3	156.9	150.2	143.0	135.9	130.7	126.6
20,0°	242.6	246.6	249.9	249.0	246.1	247.5	173.5	164.3	154.4	145.3	137.7	132.8	128.9
22,5°	257.9	263.1	267.9	267.8	266.8	266.0	178.1	166.0	154.6	146.4	141.2	135.6	129.1
25,0°	272.5	275.2	278.1	279.7	279.5	279.7	187.9	173.5	162.5	150.1	141.7	135.9	130.3
27,5°	283.9	288.0	292.7	298.1	303.2	300.4	200.3	182.4	164.2	149.2	141.3	133.5	125.9
30,0°	295.7	298.8	307.9	315.1	320.1	319.1	210.1	191.1	167.7	152.1	139.7	128.9	122.5
32,5°	309.5	307.7	316.0	326.8	326.3	323.3	221.8	196.4	171.9	154.5	141.3	130.6	126.1
35,0°	315.7	316.0	319.8	329.7	328.2	320.8	234.9	205.0	177.8	157.2	143.5	133.8	130.0
37,5°	311.4	314.7	321.6	323.8	321.7	318.0	246.6	217.1	185.1	162.6	146.2	137.4	132.5
40,0°	300.4	304.0	306.6	307.6	305.8	307.3	259.9	232.3	200.9	175.1	157.1	142.7	133.5
42,5°	298.0	296.3	284.8	282.1	279.3	277.9	281.6	252.7	208.4	183.7	165.0	147.9	135.8
45,0°	283.3	277.6	270.5	266.3	258.8	255.0	299.2	259.3	212.5	186.0	171.9	155.0	138.5
47,5°	262.9	249.5	240.4	236.4	228.4	228.4	300.4	255.8	208.4	188.7	177.3	160.7	142.4
50,0°	234.0	222.6	216.2	207.1	200.1	201.1	306.5	253.4	199.5	191.1	179.4	162.1	144.7
52,5°	207.5	199.9	191.1	174.9	169.1	169.4	305.8	246.8	200.2	194.8	177.6	161.3	145.3
55,0°	184.4	174.4	163.3	144.6	142.5	147.3	302.3	250.8	206.9	197.2	177.1	159.9	146.1
57,5°	166.8	145.7	129.4	122.9	119.5	120.1	318.9	274.7	225.3	205.6	178.7	157.4	140.5
60,0°	148.4	123.1	105.4	100.4	94.6	90.6	338.6	290.5	235.0	212.7	183.3	157.2	139.9
62,5°	132.7	105.2	86.9	79.0	71.3	68.1	369.5	284.9	224.8	207.3	177.2	151.1	127.7
65,0°	118.8	91.0	68.2	60.6	55.7	54.1	394.7	294.3	220.9	201.1	167.7	138.1	114.8
67,5°	105.6	75.0	55.4	46.9	43.9	41.9	429.6	331.1	221.4	171.6	138.4	118.6	103.3
70,0°	83.4	50.6	32.2	23.8	21.4	21.3	422.2	337.8	207.2	145.4	114.2	98.8	90.4
72,5°	32.1	14.6	8.3	5.7	5.1	5.0	382.4	299.4	178.7	119.1	97.5	79.5	74.4
75,0°	2.7	2.1	2.0	2.0	1.9	1.8	322.7	249.4	144.9	97.8	82.2	66.0	59.2
77,5°	1.6	1.4	1.3	1.2	1.0	0.7	239.4	177.2	106.3	78.7	65.8	54.4	41.8
80,0°	1.0	0.7	0.7	0.7	0.4	0.1	150.4	113.6	77.2	57.2	47.9	37.8	23.0
82,5°	0.7	0.5	0.4	0.4	0.2	0.1	85.5	73.4	53.9	34.9	29.6	23.5	15.1
85,0°	0.5	0.3	0.2	0.1	0.1	0.1	48.1	46.3	33.0	19.7	17.2	14.4	9.3
87,5°	0.2	0.1	0.1	0.1	0.0	0.0	18.1	17.4	12.4	7.4	6.4	5.3	3.6
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

<b>Family</b> Streetlight 11 midi LED	<b>Order number: 5XC3K51F08ME</b> <b>EAN: 4058352991930</b>	<b>LP number</b> 59598_88
<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°	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	128.8	0.2	0.2
2,5°	122.4	121.5	120.2	119.6	119.4	118.7	118.3	117.8	117.9	117.9	117.9	1.6	1.7
5,0°	117.9	116.6	116.0	115.3	114.9	114.6	114.4	114.6	115.2	115.0	114.8	3.2	4.9
7,5°	119.1	117.8	115.7	114.3	112.7	111.5	111.0	110.9	111.1	111.7	111.7	4.9	9.8
10,0°	121.6	120.1	119.5	118.7	117.4	116.3	114.5	112.3	108.7	107.1	106.2	7.0	16.8
12,5°	125.5	122.9	121.0	120.2	118.7	117.1	115.3	113.3	112.0	110.9	110.5	9.3	26.0
15,0°	124.2	122.7	120.5	118.0	115.4	113.9	112.4	111.3	110.7	110.1	110.0	11.6	37.6
17,5°	123.9	121.5	119.1	116.9	114.8	111.9	108.9	107.5	106.5	105.1	104.2	14.1	51.7
20,0°	124.1	122.5	120.7	118.6	117.5	115.2	111.1	107.0	103.9	102.5	101.6	16.9	68.6
22,5°	124.4	120.3	118.9	118.7	118.8	115.4	113.0	112.5	110.9	109.1	108.4	20.1	88.7
25,0°	124.3	120.2	118.2	117.8	115.8	112.2	110.6	111.5	111.5	112.6	113.8	23.2	112.0
27,5°	123.7	123.0	121.3	119.2	115.2	112.4	110.5	111.7	113.6	113.8	115.9	26.3	138.3
30,0°	121.6	121.9	120.2	115.1	112.8	112.3	111.8	112.9	112.4	114.0	117.3	29.5	167.7
32,5°	125.1	122.2	119.6	113.5	109.6	106.8	103.3	106.8	111.0	115.6	120.7	32.6	200.4
35,0°	128.0	123.4	116.6	109.8	104.3	99.9	95.3	100.0	109.5	115.6	119.4	35.3	235.7
37,5°	127.2	121.8	115.0	105.6	95.1	94.1	93.7	97.8	102.8	107.4	111.2	37.6	273.3
40,0°	127.0	119.2	110.8	98.8	86.1	85.8	87.6	94.0	99.0	101.6	104.4	39.8	313.1
42,5°	126.5	116.2	102.2	93.8	85.0	84.4	84.3	88.1	92.1	96.6	101.7	41.9	355.0
45,0°	127.2	113.3	98.3	89.8	85.8	80.5	81.0	85.7	84.0	88.6	96.2	43.8	398.8
47,5°	124.6	107.3	92.8	84.4	77.3	73.3	72.7	73.3	71.2	75.2	83.0	44.6	443.5
50,0°	127.2	104.6	86.2	80.1	74.0	67.2	64.2	63.3	61.4	65.6	71.3	45.2	488.7
52,5°	131.5	105.6	81.7	72.0	65.7	58.4	53.3	51.7	51.6	55.0	57.6	45.1	533.7
55,0°	129.7	103.0	79.2	65.7	56.6	50.0	45.3	43.1	41.2	43.2	45.4	45.6	579.4
57,5°	125.5	98.5	74.0	59.0	49.1	43.6	39.6	37.7	36.7	38.4	39.2	46.9	626.3
60,0°	122.3	95.6	68.9	52.1	41.7	36.0	34.1	32.4	31.1	31.8	32.9	49.2	675.5
62,5°	107.0	86.8	66.7	49.3	35.5	31.0	28.2	27.6	26.8	26.0	25.1	50.3	725.9
65,0°	95.4	78.6	60.9	43.7	28.4	25.2	22.6	22.3	23.3	22.9	21.2	50.4	776.3
67,5°	90.2	68.6	47.9	33.9	23.5	21.0	18.2	17.6	19.2	19.3	18.2	51.0	827.3
70,0°	81.7	59.6	38.0	25.4	17.6	16.3	13.6	11.9	11.3	10.7	10.1	49.6	876.9
72,5°	66.1	47.7	29.7	17.2	8.9	7.4	5.5	4.0	3.2	2.9	2.7	44.5	921.4
75,0°	49.4	32.6	13.5	7.1	3.1	2.2	1.7	1.5	1.4	1.3	1.2	35.7	957.1
77,5°	29.2	15.6	5.4	3.3	2.0	1.6	1.3	1.1	1.0	1.0	0.9	23.1	980.2
80,0°	11.2	5.9	2.9	2.2	1.5	1.2	1.0	0.8	0.7	0.7	0.7	11.6	991.8
82,5°	7.7	4.3	2.2	1.7	1.2	0.9	0.8	0.6	0.5	0.5	0.5	5.0	996.8
85,0°	4.8	2.8	1.4	1.1	0.8	0.7	0.5	0.4	0.4	0.3	0.3	2.3	999.1
87,5°	1.8	1.0	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.9	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 11 midi LED	<b>Order number: 5XC3K51F08ME</b> <b>EAN: 4058352991930</b>	<b>LP number</b> 59598_88
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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	17550	124.7	132.2	128.4
95	241	252	16652	117.0	124.0	120.5
90	229	250	15823	110.0	116.7	113.4
85	216	248	14924	102.7	108.9	105.8
80	203	246	14026	95.7	101.4	98.6
75	190	243	13128	88.8	94.0	91.4
70	178	241	12299	82.5	87.4	85.0
65	165	238	11401	75.9	80.3	78.1
60	152	235	10502	69.4	73.4	71.4
55	140	232	9673	63.5	67.2	65.4
50	127	229	8775	57.2	60.5	58.8
45	114	225	7877	51.0	54.0	52.5
40	102	221	7048	45.4	48.0	46.7
35	89	216	6149	39.4	41.7	40.6
30	76	210	5251	33.6	35.5	34.6
25	63	203	4353	27.9	29.4	28.6
20	51	195	3524	22.7	23.9	23.3
15	38	184	2626	17.2	18.1	17.6
13	33	179	2280	15.1	15.9	15.5