

Photometric test report

Family
Streetlight 11 micro LED

Order number: 5XC1BC1F08CE
EAN: 4069025076342

LP number
59318_172

serial
documentation
25.04.2024



Version post-top or side-entry mounting
Optic asymmetric, extremely wide distribution (ST0.5a)
Cover transparent, PMMA
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Setting factory setting
Rated values Net luminous flux = 1860 lm
 Power consumption = 13.8 W
 Luminous efficacy = 134.8 lm/W

siteco

Luminous intensity in cd/klm

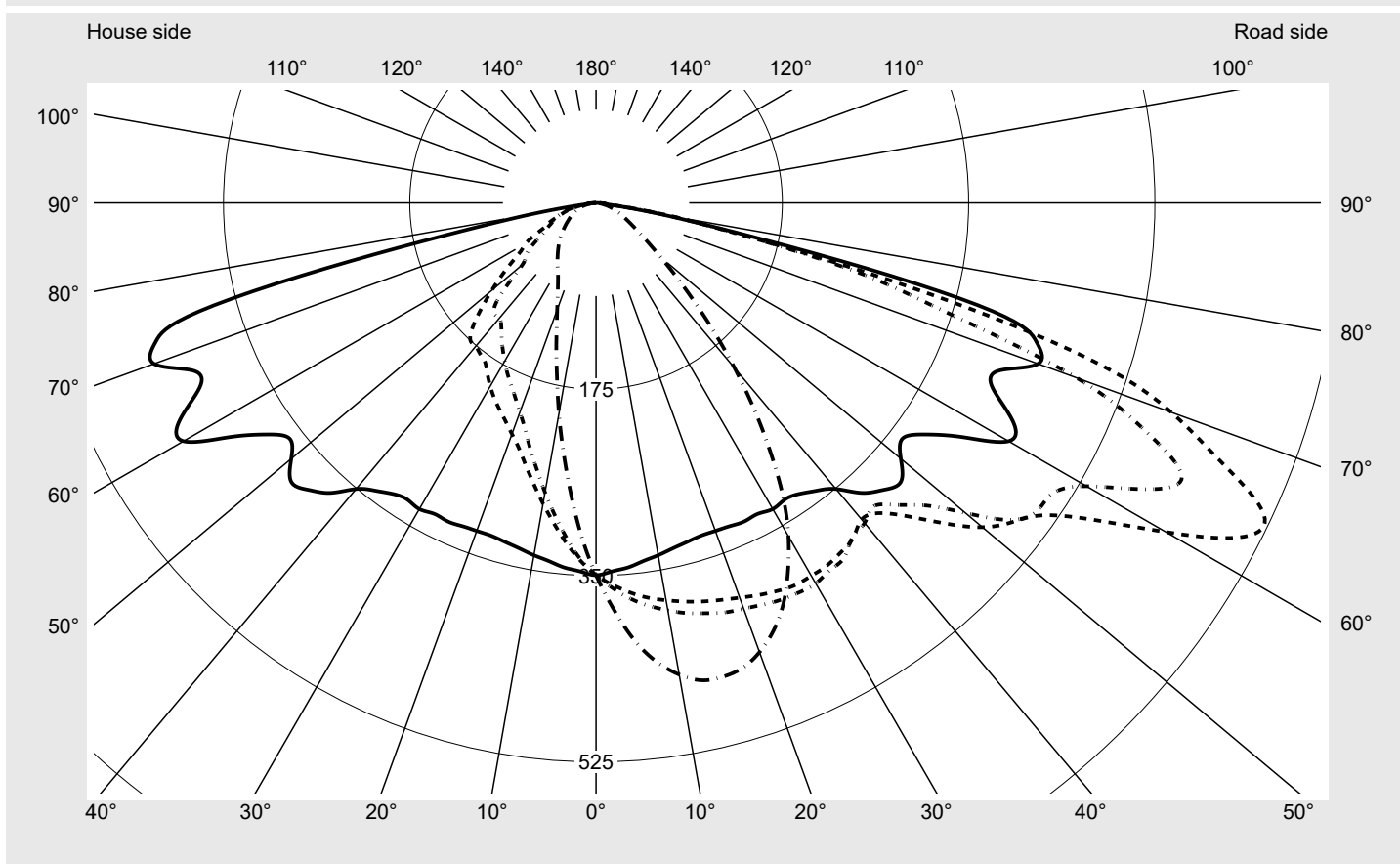
C180-0

C200-20

C205-25

C270-90

Imax: 692 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°	625.9
Imax 80°	83.0
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

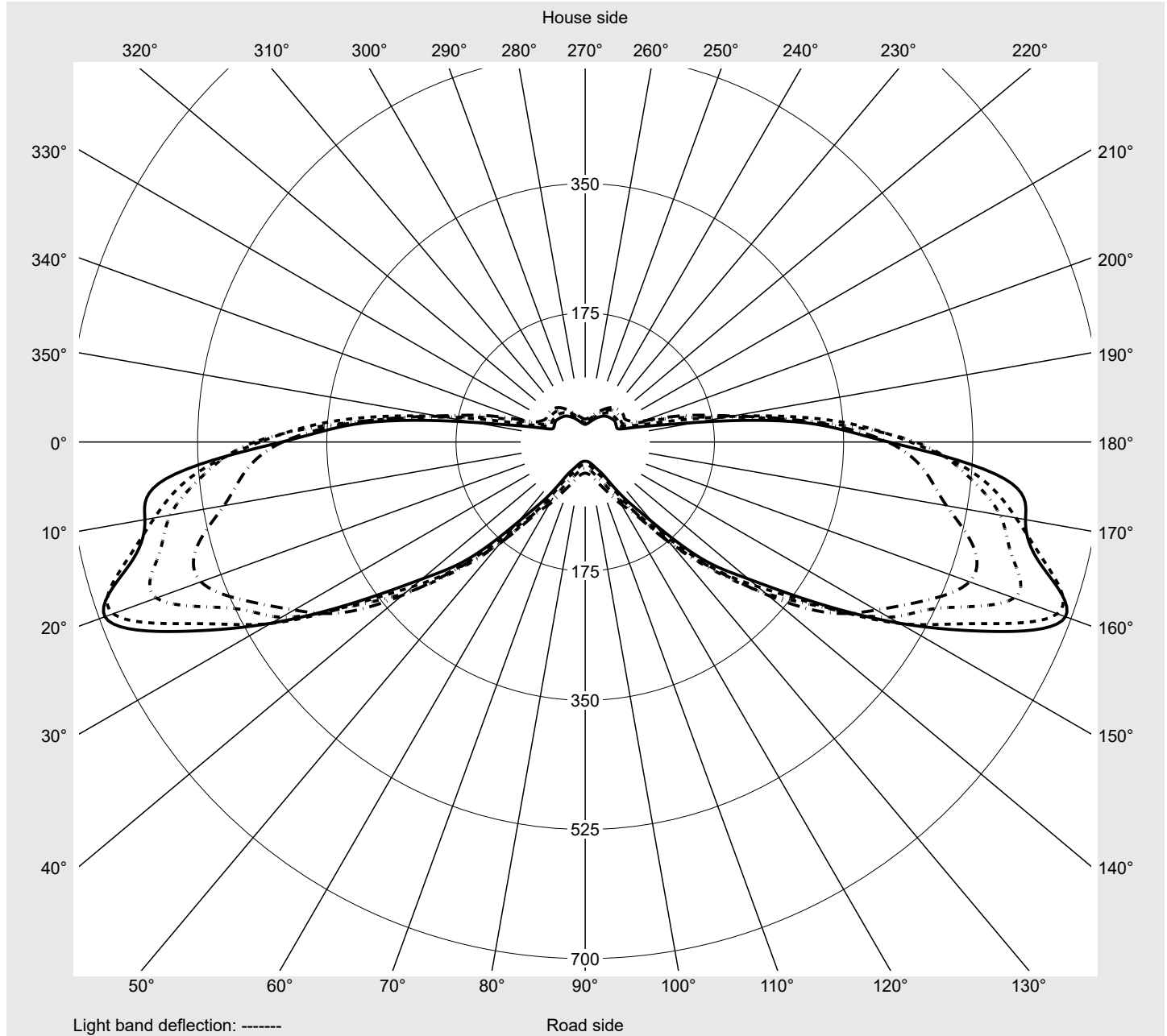
KMK 65°

KMK 62.5°

KMK 60°

KMK 57.5°

siteco



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Family Streetlight 11 micro LED	Order number: 5XC1BC1F08CE EAN: 4069025076342	LP number 59318_172
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2,5°	346.4	349.6	352.5	355.6	359.1	362.3	365.7	368.3	370.4	373.0	374.6	376.5	377.7
5,0°	343.7	349.5	355.4	361.4	367.3	373.2	379.3	384.2	389.4	393.9	397.5	401.2	403.7
7,5°	339.3	347.9	356.6	365.3	374.0	381.6	389.6	396.7	403.5	409.5	414.5	419.1	422.7
10,0°	336.1	347.6	358.5	368.8	378.9	388.6	397.8	406.7	414.0	421.1	427.2	432.1	436.4
12,5°	332.4	346.9	360.1	372.2	383.5	394.6	404.7	413.6	421.9	429.5	436.0	441.3	445.3
15,0°	329.7	346.1	361.1	375.1	387.5	398.9	409.1	418.6	426.9	434.3	439.8	445.0	448.5
17,5°	327.7	346.6	363.6	378.2	391.0	403.2	413.0	422.0	429.0	435.9	440.7	444.1	447.4
20,0°	327.8	348.5	366.7	382.0	394.6	405.6	414.5	422.7	429.0	434.0	437.7	440.1	442.2
22,5°	328.6	351.4	371.1	386.5	398.7	408.5	416.3	422.4	426.4	429.5	431.1	432.2	432.2
25,0°	330.0	353.9	374.6	390.4	402.2	411.2	417.2	421.5	422.5	422.4	421.0	419.7	417.9
27,5°	329.2	355.3	376.7	393.2	404.8	412.6	417.4	418.9	416.6	412.7	408.4	403.2	398.9
30,0°	332.0	357.6	377.2	392.6	404.4	412.7	415.4	414.5	410.0	402.0	393.4	384.1	376.1
32,5°	330.3	355.7	377.8	395.1	403.8	409.0	411.6	407.9	400.0	388.7	376.1	362.7	350.9
35,0°	333.5	360.4	379.2	389.4	400.8	406.6	403.3	397.8	387.0	372.6	356.3	339.2	323.1
37,5°	340.7	359.0	375.7	391.6	396.7	395.7	397.0	383.6	370.6	353.8	334.5	314.1	294.9
40,0°	350.8	370.9	384.9	388.1	388.2	392.5	380.4	371.0	349.7	331.8	310.7	288.4	266.5
42,5°	369.4	382.5	392.4	395.9	395.2	386.4	375.9	352.4	330.3	306.0	284.3	261.6	238.7
45,0°	381.3	398.3	412.4	414.5	416.8	401.2	377.6	347.0	317.0	285.5	257.2	233.4	210.0
47,5°	388.2	413.4	432.8	440.7	445.8	420.7	394.8	353.5	305.8	272.4	237.0	205.3	183.3
50,0°	373.8	408.9	441.6	467.0	473.9	452.9	419.2	363.7	305.3	257.9	216.6	184.5	157.1
52,5°	363.2	400.3	450.6	489.7	492.6	489.2	445.0	382.0	306.8	245.3	196.9	157.3	132.9
55,0°	379.3	415.1	461.7	514.1	511.6	505.2	458.8	398.4	321.4	242.5	179.1	137.3	111.7
57,5°	409.8	462.5	496.9	543.9	553.9	508.2	455.3	403.4	323.0	240.0	177.8	122.2	97.4
60,0°	447.6	519.5	570.7	598.5	618.2	532.1	474.8	389.0	318.7	246.0	178.2	113.8	87.8
62,5°	440.6	534.6	592.5	647.7	680.4	582.3	491.8	384.6	304.7	237.6	160.7	112.9	67.2
65,0°	411.0	569.8	605.6	638.3	692.3	607.3	490.8	377.8	288.9	224.2	142.0	93.7	56.6
67,5°	410.9	569.1	586.8	628.0	635.6	557.8	440.5	356.7	283.8	204.7	125.7	67.7	43.7
70,0°	442.0	555.6	565.8	625.9	575.2	480.6	332.4	279.2	238.2	183.8	113.9	57.6	34.9
72,5°	433.7	537.3	588.0	558.6	482.4	351.9	212.6	171.4	170.7	153.5	102.6	45.2	26.7
75,0°	371.4	397.9	481.8	383.0	304.1	260.7	173.2	132.3	98.5	83.5	58.2	32.8	18.6
77,5°	168.9	238.4	205.4	158.3	144.5	144.1	120.6	97.3	71.0	56.5	28.1	20.4	13.6
80,0°	63.8	83.0	54.2	76.5	72.1	71.7	61.2	43.7	28.6	19.3	16.8	14.2	9.8
82,5°	13.4	13.1	15.5	22.1	20.5	17.2	15.0	12.9	10.3	8.6	7.7	7.0	6.2
85,0°	7.9	8.1	8.4	8.4	8.1	7.7	7.0	6.4	5.8	5.3	4.7	4.0	3.3
87,5°	4.1	4.2	4.4	4.2	4.1	4.0	3.6	3.3	3.0	2.8	2.4	1.9	1.5
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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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6
2,5°	378.5	379.5	380.4	381.6	382.0	382.2	343.5	340.8	338.4	336.3	335.0	333.4	330.8
5,0°	405.6	407.4	409.2	411.0	411.9	412.1	337.1	331.3	325.5	320.7	316.1	311.3	306.5
7,5°	426.4	428.9	431.5	433.3	434.7	434.5	330.2	320.5	311.6	303.5	296.0	288.5	281.2
10,0°	439.9	443.4	446.1	448.5	449.8	449.8	323.3	310.6	298.5	286.8	276.1	266.4	256.6
12,5°	448.6	452.5	455.2	457.1	458.7	459.2	316.4	300.7	285.1	270.4	256.6	244.2	231.6
15,0°	451.7	455.3	457.5	459.5	461.0	460.7	311.3	292.0	272.7	255.2	239.0	224.0	209.9
17,5°	450.3	452.8	454.8	456.7	457.1	457.9	306.5	284.1	262.2	241.4	222.3	205.1	189.3
20,0°	444.1	445.8	446.9	448.4	448.5	449.0	304.4	279.0	254.2	231.0	209.2	189.9	172.7
22,5°	432.7	432.5	433.5	434.7	434.4	435.2	302.9	275.4	248.1	222.0	198.2	176.9	158.3
25,0°	416.7	415.4	414.7	415.6	415.7	416.0	301.7	271.7	242.5	214.3	188.8	166.2	147.0
27,5°	394.7	392.9	391.0	391.0	390.6	390.5	299.3	267.4	236.6	206.9	180.4	156.7	137.0
30,0°	370.0	365.9	363.8	362.4	361.8	361.5	298.6	261.6	228.6	198.8	171.7	148.3	128.8
32,5°	341.3	335.2	331.9	329.8	327.5	326.9	295.4	254.6	220.6	190.1	163.1	140.1	121.1
35,0°	310.0	301.2	295.1	291.2	287.1	285.5	296.0	252.1	215.2	182.1	154.6	131.7	113.8
37,5°	279.0	266.9	258.3	251.9	246.0	243.8	303.4	259.2	214.6	178.8	146.2	123.6	107.4
40,0°	247.7	232.6	220.9	211.8	205.0	202.3	303.1	260.0	210.1	176.1	141.2	119.5	101.2
42,5°	218.0	200.1	185.7	174.6	167.0	163.9	311.3	266.6	211.9	174.8	141.3	110.8	96.1
45,0°	188.3	168.7	153.2	140.2	132.3	129.3	320.6	267.8	211.5	163.2	132.8	99.0	91.1
47,5°	161.2	142.1	125.7	112.4	104.3	101.6	313.5	249.2	197.2	145.5	110.9	92.7	85.6
50,0°	136.0	117.3	101.4	89.0	81.6	79.2	299.9	224.1	169.8	127.8	90.3	84.7	80.5
52,5°	114.2	96.1	81.3	70.5	64.7	62.9	283.5	206.5	150.4	111.3	83.4	77.6	75.0
55,0°	94.4	78.5	65.6	56.9	52.5	51.1	285.4	201.3	140.7	95.7	77.0	70.0	69.0
57,5°	77.4	63.2	53.1	46.6	43.4	42.2	309.7	203.3	138.1	83.2	67.0	62.1	63.3
60,0°	63.7	51.8	44.0	39.0	36.5	35.6	312.6	194.5	125.2	76.3	57.6	56.2	57.5
62,5°	51.3	42.4	36.4	32.5	30.9	30.3	335.4	199.0	100.5	63.9	52.2	52.2	52.9
65,0°	42.1	34.9	30.3	27.5	26.3	26.1	299.1	153.0	81.3	51.9	47.0	47.9	48.9
67,5°	34.0	28.3	24.9	23.1	22.2	22.0	270.2	117.3	69.3	46.7	43.4	43.6	43.7
70,0°	27.2	22.9	20.3	19.2	18.5	18.3	266.4	101.7	64.7	39.1	39.6	39.3	38.9
72,5°	20.3	18.0	16.4	15.6	15.1	15.0	222.7	100.6	48.5	33.1	35.0	35.1	34.5
75,0°	15.6	14.0	12.9	12.2	11.9	11.9	204.4	96.9	30.3	28.2	30.1	30.5	30.0
77,5°	11.9	10.4	9.8	9.0	8.6	8.4	131.9	42.0	20.5	21.9	24.3	25.2	25.6
80,0°	8.4	7.4	6.5	6.1	5.6	5.5	55.2	23.9	14.0	15.6	17.5	18.8	19.4
82,5°	5.5	4.6	4.0	3.6	3.4	3.2	11.0	9.2	8.7	9.3	10.2	11.4	12.6
85,0°	2.8	2.4	1.9	1.8	1.6	1.5	7.1	6.2	5.5	4.9	4.4	4.0	3.8
87,5°	1.2	0.9	0.8	0.6	0.5	0.5	3.9	3.5	3.1	2.9	2.6	2.4	2.1
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 11 micro LED		Order number: 5XC1BC1F08CE EAN: 4069025076342										LP number 59318_172	
Table of values for luminous intensities										Maximum luminous intensity		sīteco	
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°	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	349.6	0.5	0.5
2,5°	328.8	326.6	324.6	322.7	320.6	319.1	317.2	316.1	314.6	313.6	313.3	4.2	4.7
5,0°	301.9	297.4	293.1	289.4	285.6	282.2	279.6	277.4	275.4	274.0	273.4	8.2	12.9
7,5°	274.3	267.7	261.9	256.5	251.6	247.2	243.4	240.4	237.7	235.8	235.4	12.1	25.0
10,0°	247.0	238.5	231.2	224.7	219.1	214.1	209.7	206.2	203.2	201.2	200.9	15.7	40.7
12,5°	220.6	210.6	202.0	194.5	188.2	182.9	178.6	174.7	171.8	170.0	169.3	19.1	59.8
15,0°	197.1	185.7	176.4	168.6	162.0	156.7	152.5	148.9	146.3	144.8	144.3	22.2	81.9
17,5°	175.6	163.5	153.7	145.8	139.3	134.3	130.2	127.0	124.6	123.2	122.9	25.0	107.0
20,0°	158.0	145.7	135.8	127.9	122.0	117.0	113.4	110.5	108.5	107.3	106.8	27.7	134.7
22,5°	142.9	130.6	120.7	113.3	107.6	103.2	99.8	97.4	95.5	94.5	94.2	30.2	164.9
25,0°	131.2	118.8	109.5	102.2	97.0	93.1	90.0	87.8	86.1	85.0	84.7	32.4	197.3
27,5°	121.4	109.5	100.1	93.5	88.6	85.1	82.2	80.2	78.7	77.8	77.4	34.3	231.5
30,0°	113.4	101.5	93.2	87.3	82.7	79.3	76.8	74.6	73.1	72.4	72.0	35.8	267.3
32,5°	106.3	95.4	87.6	82.2	78.2	74.9	72.1	70.0	68.4	67.6	67.6	36.9	304.2
35,0°	100.3	90.3	83.4	78.4	74.5	71.0	68.3	65.8	64.1	63.1	63.1	37.6	341.9
37,5°	95.5	86.9	80.6	75.8	71.7	68.0	64.8	62.3	60.4	59.2	59.0	38.1	380.0
40,0°	91.6	84.2	78.6	73.7	69.3	65.2	61.7	58.8	56.8	55.6	55.2	38.3	418.3
42,5°	87.8	82.0	77.2	72.1	67.1	62.8	58.8	55.6	53.4	52.1	51.6	38.6	456.9
45,0°	84.7	80.0	75.6	70.3	65.2	60.2	55.7	52.4	50.0	48.7	48.1	39.1	495.9
47,5°	81.4	77.8	73.7	68.4	63.0	57.5	52.6	49.2	46.7	45.1	44.4	39.4	535.4
50,0°	77.9	74.8	71.1	66.1	60.5	54.8	49.7	45.7	43.0	41.3	40.7	39.5	574.8
52,5°	73.9	71.9	68.0	63.1	57.8	52.0	46.8	42.8	39.8	37.9	37.2	39.7	614.5
55,0°	68.9	67.8	64.6	59.9	54.8	48.9	44.0	39.9	37.0	35.0	34.1	40.5	655.0
57,5°	63.4	62.6	60.5	56.5	51.2	45.9	41.2	37.1	34.1	31.9	31.1	41.9	696.9
60,0°	58.0	57.4	56.2	52.7	47.5	42.6	38.2	34.5	31.4	29.3	28.6	44.1	741.0
62,5°	52.4	52.0	50.9	48.0	43.6	39.2	35.1	31.5	28.8	26.8	26.1	45.4	786.4
65,0°	48.1	46.8	45.2	42.9	39.3	35.9	32.0	28.9	26.3	24.6	23.9	44.7	831.2
67,5°	43.3	41.9	39.9	37.0	34.7	32.1	29.2	26.5	24.0	22.3	21.7	42.4	873.6
70,0°	38.3	36.8	35.1	32.0	30.0	28.4	26.5	24.0	21.7	20.1	19.5	39.3	912.9
72,5°	33.5	32.5	30.4	27.7	26.0	24.8	23.3	21.2	19.1	17.7	17.2	34.1	947.1
75,0°	29.2	28.2	26.5	24.1	22.3	20.8	19.7	18.0	16.2	14.8	14.5	26.1	973.2
77,5°	25.1	24.6	22.6	20.4	18.7	17.2	15.8	14.8	13.3	11.9	11.4	14.9	988.0
80,0°	19.5	20.1	18.9	16.7	15.2	13.7	12.4	11.1	9.8	8.6	8.2	7.2	995.3
82,5°	12.6	12.9	13.0	12.5	11.6	10.3	8.9	7.5	6.1	5.3	5.0	2.8	998.1
85,0°	3.9	4.4	5.0	5.6	5.6	5.5	4.8	3.7	2.9	2.4	2.2	1.3	999.4
87,5°	1.9	1.7	1.4	1.2	0.9	0.8	0.8	0.7	0.3	0.2	0.2	0.6	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 11 micro LED	Order number: 5XC1BC1F08CE EAN: 4069025076342	LP number 59318_172
Dimming levels table		environmental temperature: 25°C
		siteco

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	1860	13.8	14.0	13.9
95	241	252	1765	13.1	13.3	13.2
90	229	250	1677	12.5	12.7	12.6
85	216	248	1582	11.8	11.9	11.9
80	203	246	1487	11.2	11.3	11.2
75	190	243	1391	10.6	10.7	10.6
70	178	241	1303	10.0	10.1	10.0
65	165	238	1208	9.3	9.4	9.4
60	152	235	1113	8.6	8.7	8.6
55	140	232	1025	8.0	8.1	8.0
50	127	229	930	7.5	7.5	7.5
45	114	225	835	6.9	7.0	7.0
40	102	221	747	6.4	6.5	6.4
35	89	216	652	5.8	5.9	5.8
30	76	210	557	5.1	5.2	5.2
25	63	203	461	4.5	4.5	4.5
20	51	195	373	3.9	4.0	4.0