

Photometric test report

Family Streetlight 11 mini LED	Order number: 5XC2A41F08GE EAN: 4058352534953	LP number 58293_33
	Version post-top or side-entry mounting Optic asymmetric, wide distribution (ST1.2a) Cover transparent, PMMA Lamps LED 4000 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 3710 lm Power consumption = 22.7 W Luminous efficacy = 163.4 lm/W	serial documentation 09.09.2021



Luminous intensity in cd/klm C180-0 C205-25 C210-30 C270-90 **Imax: 652 cd/klm**



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

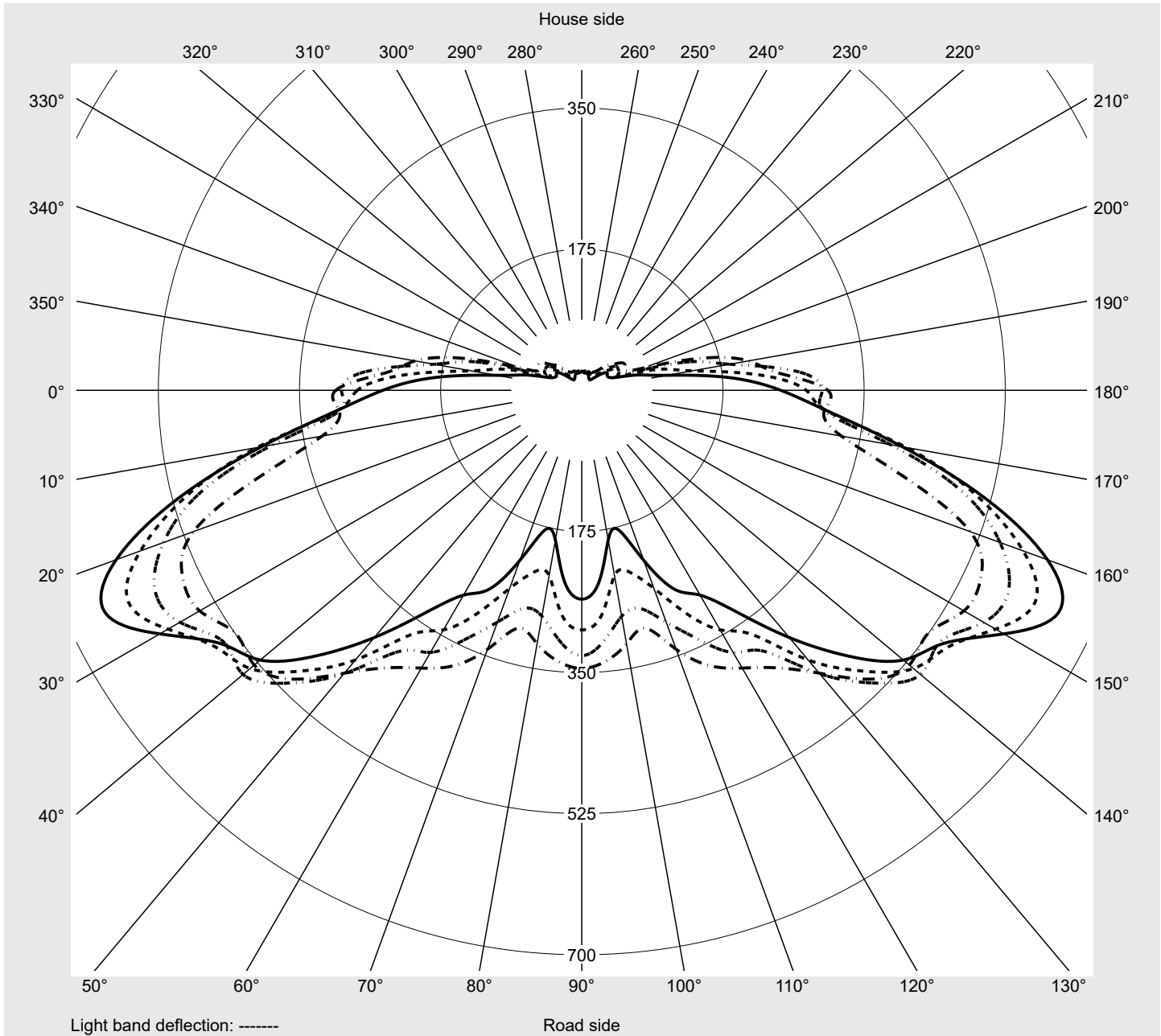
Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	593.9
Imax 80°	98.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions
DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 60°** **KMK 57.5°** **KMK 55°** **KMK 52.5°** **siteco**



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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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	239.8	240.0	240.1	239.7	240.0	239.8	238.6	237.2	236.7	236.5	235.6	235.3	234.4
5,0°	229.1	228.4	228.7	229.6	230.3	230.5	231.2	232.4	235.4	238.5	239.7	241.9	242.5
7,5°	231.9	232.6	231.2	229.7	229.3	230.7	234.7	239.7	244.4	248.4	250.9	254.0	255.3
10,0°	240.0	245.5	244.0	240.9	238.8	237.8	236.9	240.2	245.1	251.2	258.7	264.9	272.0
12,5°	237.3	248.6	259.0	262.1	260.8	259.9	262.9	262.2	260.3	267.2	276.2	282.6	282.7
15,0°	219.3	225.4	240.1	256.9	269.9	275.0	269.3	265.6	263.3	261.3	264.6	271.9	281.1
17,5°	206.8	214.9	231.6	247.1	254.2	262.3	258.8	252.0	246.2	242.9	244.5	247.3	257.3
20,0°	208.4	221.3	226.4	230.6	233.9	237.1	240.8	248.5	251.5	245.3	240.1	242.0	254.3
22,5°	216.1	219.3	220.3	223.1	226.9	227.7	227.1	227.7	235.4	240.6	242.8	248.2	253.0
25,0°	207.1	214.4	224.2	232.5	232.6	229.4	231.1	234.6	239.8	243.8	257.3	260.7	268.7
27,5°	215.0	225.1	225.5	231.9	237.3	241.3	246.8	251.6	257.6	266.8	281.0	288.8	303.3
30,0°	222.4	233.4	237.1	242.8	250.8	255.0	257.8	266.5	281.3	295.2	308.3	320.8	334.8
32,5°	237.4	244.8	245.8	249.4	262.0	271.1	279.1	290.5	312.4	328.5	340.2	345.4	356.7
35,0°	261.6	267.3	267.7	267.3	274.5	285.1	303.6	321.6	334.8	353.0	362.6	378.3	388.1
37,5°	272.5	277.6	279.9	285.7	293.6	308.5	326.9	345.0	359.7	372.7	387.7	420.5	413.3
40,0°	293.4	297.1	299.4	309.9	319.5	345.9	359.3	367.5	382.1	408.4	414.9	433.9	441.4
42,5°	305.8	310.7	318.2	336.2	353.8	378.6	399.4	400.4	400.5	427.8	436.5	449.4	450.6
45,0°	319.6	313.1	321.5	373.8	392.3	420.0	434.8	431.2	434.8	457.0	452.4	447.1	446.6
47,5°	320.8	309.8	325.1	385.4	419.7	463.8	473.6	464.3	469.8	469.4	456.5	443.9	445.2
50,0°	310.2	307.2	315.4	392.2	452.4	522.3	511.8	491.4	505.3	487.1	454.1	435.2	423.2
52,5°	305.1	301.6	326.9	413.0	512.4	546.3	547.1	524.7	530.1	506.6	457.9	420.1	397.8
55,0°	298.1	302.5	388.7	489.5	551.8	584.1	575.4	542.9	548.3	513.5	458.7	395.3	375.4
57,5°	278.3	306.9	409.1	507.8	582.3	620.5	592.4	554.8	536.8	492.4	436.5	370.2	343.0
60,0°	246.7	308.6	403.8	518.1	614.4	652.2	604.1	547.4	520.4	465.8	400.3	336.1	293.3
62,5°	203.8	309.3	401.4	514.5	592.8	640.0	609.1	568.3	505.6	448.4	370.3	308.4	244.7
65,0°	184.8	305.8	399.8	491.5	545.4	635.2	624.2	536.2	477.4	421.4	336.1	290.3	208.4
67,5°	181.2	300.3	385.2	455.9	537.1	608.0	573.8	499.7	429.1	379.6	303.5	252.0	174.7
70,0°	182.8	298.3	348.6	421.3	536.1	593.9	515.4	439.2	393.7	335.0	261.7	204.6	153.3
72,5°	152.3	295.2	340.0	415.6	464.5	507.8	436.8	365.4	336.0	281.8	215.0	165.1	137.1
75,0°	123.4	244.9	296.2	319.8	343.4	381.6	351.0	272.8	224.7	206.6	172.7	145.5	127.0
77,5°	74.5	181.8	192.1	227.4	191.9	217.5	221.5	172.7	139.2	141.8	115.3	105.6	88.0
80,0°	47.1	60.2	72.3	86.8	96.2	97.8	98.2	98.9	96.2	95.3	52.2	40.0	30.9
82,5°	9.3	12.5	13.4	18.9	18.9	29.8	65.1	93.0	67.0	41.5	23.5	16.6	10.9
85,0°	3.5	3.3	3.7	4.4	5.5	7.4	9.6	16.6	11.6	10.1	9.4	7.2	6.3
87,5°	2.3	2.4	2.6	2.9	3.1	3.3	3.6	4.1	4.4	4.0	3.8	3.7	3.5
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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	234.1	233.5	232.9	233.4	234.2	235.0	241.0	242.5	243.2	244.5	246.1	247.4	248.1
5,0°	244.3	246.1	247.2	250.8	255.4	257.5	231.6	232.2	232.8	232.6	234.9	236.2	234.4
7,5°	259.1	260.3	263.4	262.6	260.8	259.4	230.1	229.9	228.3	227.7	229.0	231.6	231.0
10,0°	272.7	271.8	271.6	272.6	275.4	279.2	233.5	228.8	225.7	223.4	224.7	226.2	223.3
12,5°	285.6	286.2	290.0	295.9	298.0	299.6	227.2	221.3	214.0	207.4	202.7	202.1	203.7
15,0°	282.9	288.2	301.7	314.1	320.8	324.6	210.7	201.6	193.5	182.8	169.7	162.8	156.0
17,5°	275.5	290.1	300.8	317.3	329.9	335.7	199.0	192.5	185.9	171.1	151.0	132.5	124.4
20,0°	266.9	281.0	296.7	311.8	330.4	336.1	198.2	187.6	172.6	163.2	145.4	126.2	113.8
22,5°	264.4	276.4	296.7	308.8	307.9	304.8	194.5	174.3	162.8	143.5	74.0	116.6	98.7
25,0°	273.7	286.6	295.4	294.2	295.9	287.6	195.6	169.8	156.1	135.8	121.1	107.6	89.5
27,5°	302.2	308.3	307.5	302.6	297.9	304.0	195.8	178.3	162.7	136.6	120.6	101.8	83.5
30,0°	338.0	331.1	312.4	313.6	311.7	315.9	207.9	188.4	165.9	142.2	120.1	98.1	77.8
32,5°	351.6	334.4	325.1	337.0	328.7	316.6	224.1	203.2	170.7	147.0	123.9	95.1	73.8
35,0°	381.8	364.5	359.3	364.4	357.6	348.7	254.1	231.6	188.3	154.7	127.9	92.7	72.5
37,5°	400.8	388.8	368.5	359.8	364.8	373.8	263.8	240.0	192.1	161.1	123.0	86.7	73.2
40,0°	426.7	407.3	369.0	349.1	366.6	383.8	284.2	250.4	192.1	160.5	115.3	82.8	76.0
42,5°	445.4	405.8	374.1	350.6	367.9	371.2	294.9	249.1	189.9	153.0	103.8	84.7	76.8
45,0°	454.6	404.8	367.5	355.3	367.9	364.9	304.7	253.4	189.5	145.6	91.7	87.2	83.4
47,5°	444.2	397.0	350.0	356.6	373.5	371.9	285.3	245.8	183.2	123.3	79.8	83.2	80.6
50,0°	415.6	363.0	328.5	334.1	367.2	358.4	246.0	208.6	170.2	99.8	69.6	75.4	71.6
52,5°	377.0	341.7	305.5	319.2	337.4	344.8	245.2	210.0	153.6	79.9	59.0	62.0	59.4
55,0°	340.5	305.9	280.1	284.6	312.2	329.0	268.2	186.1	136.3	60.7	50.5	52.1	51.7
57,5°	304.7	261.3	234.1	233.3	280.3	297.2	220.2	138.9	101.2	52.2	43.1	44.3	44.4
60,0°	272.4	224.3	180.1	188.5	239.8	259.0	182.4	107.2	73.6	47.7	37.8	36.3	38.0
62,5°	220.8	167.7	135.7	140.5	177.7	194.5	144.0	86.7	60.7	46.5	36.4	32.0	31.7
65,0°	173.8	118.9	93.3	100.8	117.9	110.3	115.5	69.8	50.4	41.5	34.4	30.3	28.6
67,5°	127.0	81.4	58.3	50.3	53.2	55.8	112.4	66.9	43.1	33.6	31.4	26.8	22.4
70,0°	110.0	67.0	36.1	23.4	24.0	23.7	111.5	64.4	43.1	30.9	28.2	21.7	19.7
72,5°	95.0	38.0	20.3	11.1	10.3	9.3	90.0	56.0	44.0	38.4	31.8	23.7	19.8
75,0°	83.9	21.9	12.7	8.3	7.2	7.1	63.0	53.1	47.7	34.4	29.9	25.7	18.1
77,5°	31.9	15.2	9.0	6.5	5.7	5.5	54.2	48.4	47.2	30.9	25.1	22.1	16.2
80,0°	14.1	9.7	6.4	5.0	4.4	4.2	36.4	35.4	29.8	22.2	19.6	18.2	16.2
82,5°	9.0	6.6	4.7	3.7	3.2	3.1	9.7	11.3	14.2	14.6	15.4	11.1	10.4
85,0°	5.2	3.9	2.9	2.3	1.9	1.7	3.1	3.1	3.2	3.3	3.4	3.5	3.5
87,5°	3.0	2.2	1.5	1.2	1.0	1.0	2.2	2.0	2.0	2.0	1.9	1.9	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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

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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	0.4	0.4
2,5°	249.5	252.2	254.7	257.5	259.7	261.3	261.3	261.3	262.1	262.4	262.8	2.9	3.3
5,0°	231.6	233.6	237.0	241.2	245.2	249.9	256.6	263.5	269.0	271.4	271.0	5.8	9.1
7,5°	225.8	225.3	227.9	229.8	234.2	239.7	243.5	246.5	250.9	255.1	256.9	8.6	17.7
10,0°	214.9	206.6	211.0	211.6	215.6	218.1	225.4	229.7	234.1	233.6	232.1	11.4	29.1
12,5°	205.5	194.6	195.1	193.5	195.4	200.0	205.8	215.1	216.6	206.7	202.2	14.2	43.3
15,0°	155.4	160.1	160.7	158.6	157.5	160.9	168.0	169.1	179.2	173.9	171.9	15.8	59.1
17,5°	121.8	123.5	125.8	124.8	119.6	125.9	127.1	123.3	124.5	126.5	127.6	16.7	75.9
20,0°	106.9	108.0	108.3	102.2	91.8	85.2	85.0	83.3	89.9	94.2	93.3	17.8	93.7
22,5°	90.5	90.6	95.5	88.8	77.0	70.1	67.6	63.8	62.9	62.6	70.1	18.6	112.3
25,0°	76.4	77.8	84.5	74.0	71.7	64.2	62.0	54.8	48.0	44.9	46.3	20.3	132.7
27,5°	68.7	60.3	56.3	57.6	57.9	53.0	52.5	44.8	39.0	37.0	36.1	22.7	155.4
30,0°	65.1	58.5	54.4	51.3	46.7	43.1	39.1	38.0	34.6	31.9	30.8	25.7	181.1
32,5°	63.3	57.4	53.7	46.9	39.3	34.9	32.3	30.9	29.7	28.1	26.3	28.9	210.0
35,0°	65.2	58.8	52.1	43.5	36.9	31.4	28.3	26.5	25.1	24.5	24.1	33.2	243.2
37,5°	66.6	58.3	50.3	42.4	36.2	31.2	26.4	24.9	23.6	24.2	23.4	36.8	280.0
40,0°	70.0	59.1	50.2	41.5	33.5	27.6	25.6	24.3	24.1	24.1	23.4	40.8	320.8
42,5°	71.2	59.5	50.3	40.5	32.6	27.3	24.6	24.4	24.3	23.8	24.8	44.5	365.3
45,0°	74.6	61.9	46.1	36.6	31.9	28.1	24.6	24.3	24.1	24.3	24.5	48.0	413.3
47,5°	70.1	55.1	41.9	34.0	30.1	27.6	24.8	24.2	24.2	24.2	24.6	50.6	463.9
50,0°	58.1	48.8	38.8	31.0	29.0	26.4	25.4	24.3	24.2	24.2	24.2	51.8	515.7
52,5°	49.6	43.2	33.6	28.2	25.7	25.8	25.3	24.1	24.3	24.7	24.1	53.3	569.0
55,0°	43.5	36.5	28.4	24.7	23.3	23.8	24.6	23.5	24.2	23.6	23.7	54.9	623.9
57,5°	36.2	29.1	22.9	20.4	21.4	22.1	23.1	22.7	22.9	23.1	23.6	53.9	677.8
60,0°	31.5	22.4	17.1	16.3	17.5	19.6	21.7	21.9	21.8	22.3	23.3	52.0	729.9
62,5°	25.2	17.7	13.2	12.8	14.7	17.2	19.3	19.4	19.7	20.4	20.9	49.2	779.1
65,0°	20.3	14.6	11.5	10.5	12.0	14.7	17.0	16.9	17.5	17.0	17.7	45.9	824.9
67,5°	18.1	13.7	10.7	9.4	10.0	11.5	13.5	14.1	14.8	13.6	14.4	41.9	866.8
70,0°	16.3	12.0	9.9	8.5	8.3	9.3	10.5	11.2	11.9	11.7	11.8	38.6	905.4
72,5°	14.7	10.9	8.3	7.1	6.8	7.7	8.1	8.4	9.0	9.3	9.3	34.1	939.5
75,0°	12.7	10.3	7.2	6.0	5.6	5.9	6.2	6.5	6.5	6.5	6.7	27.2	966.6
77,5°	10.4	7.6	5.8	5.1	4.5	4.1	4.4	4.6	3.7	3.2	3.1	18.1	984.8
80,0°	10.8	6.1	4.2	3.9	3.3	3.0	2.8	2.9	2.0	1.0	0.6	9.2	994.0
82,5°	7.4	4.7	3.4	2.9	2.5	2.2	1.9	1.9	1.1	0.6	0.4	4.3	998.3
85,0°	3.4	2.6	2.3	1.9	1.8	1.4	1.0	0.9	0.7	0.4	0.4	1.2	999.4
87,5°	1.6	1.5	1.2	1.2	1.0	0.9	0.7	0.6	0.5	0.4	0.4	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
100,0°	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
110,0°	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
120,0°	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
130,0°	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
140,0°	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
150,0°	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
160,0°	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
170,0°	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
180,0°	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 mini LED	Order number: 5XC2A41F08GE EAN: 4058352534953	LP number 58293_33
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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	3710	22.7	23.4	23.0
95	241	252	3520	21.6	22.2	21.9
90	229	250	3345	20.5	21.0	20.8
85	216	248	3155	19.3	19.9	19.6
80	203	246	2965	18.2	18.7	18.4
75	190	243	2775	17.0	17.5	17.2
70	178	241	2600	15.9	16.4	16.2
65	165	238	2410	14.9	15.2	15.0
60	152	235	2220	13.7	14.1	13.9
55	140	232	2045	12.7	13.0	12.8
50	127	229	1855	11.6	11.9	11.8
45	114	225	1665	10.5	10.8	10.6
40	102	221	1490	9.5	9.8	9.6
35	89	216	1300	8.4	8.6	8.5
30	76	210	1110	7.4	7.5	7.4
25	63	203	920	6.4	6.5	6.4
20	51	195	745	5.4	5.5	5.4
18	45	191	657	5.0	5.0	5.0