

Photometric test report

Family Streetlight 11 micro LED

Order number: 5XC1CC1F08CE
EAN: 4069025076373

LP number
58063_221



Version	post-top or side-entry mounting
Optic	direct, asymmetric extremely wide distribution P100001
Cover	transparent, PMMA
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Setting	individual position
Rated values	Net luminous flux = 1660 lm Power consumption = 11.4 W Luminous efficacy = 145.6 lm/W

serial
documentation
25.04.2024

siteco

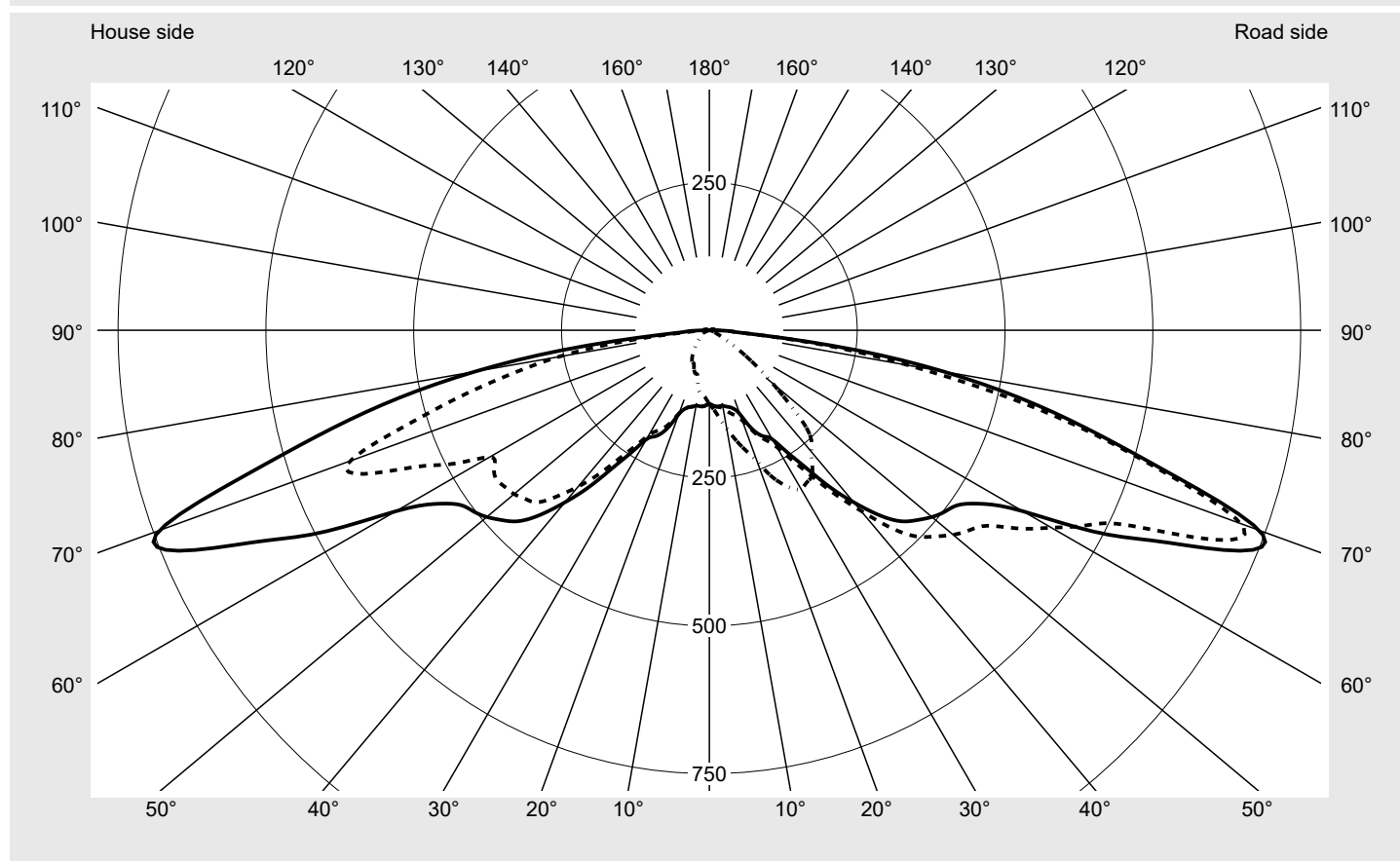
Luminous intensity in cd/klm

C180-0

C185-5

C270-90

Imax: 989 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

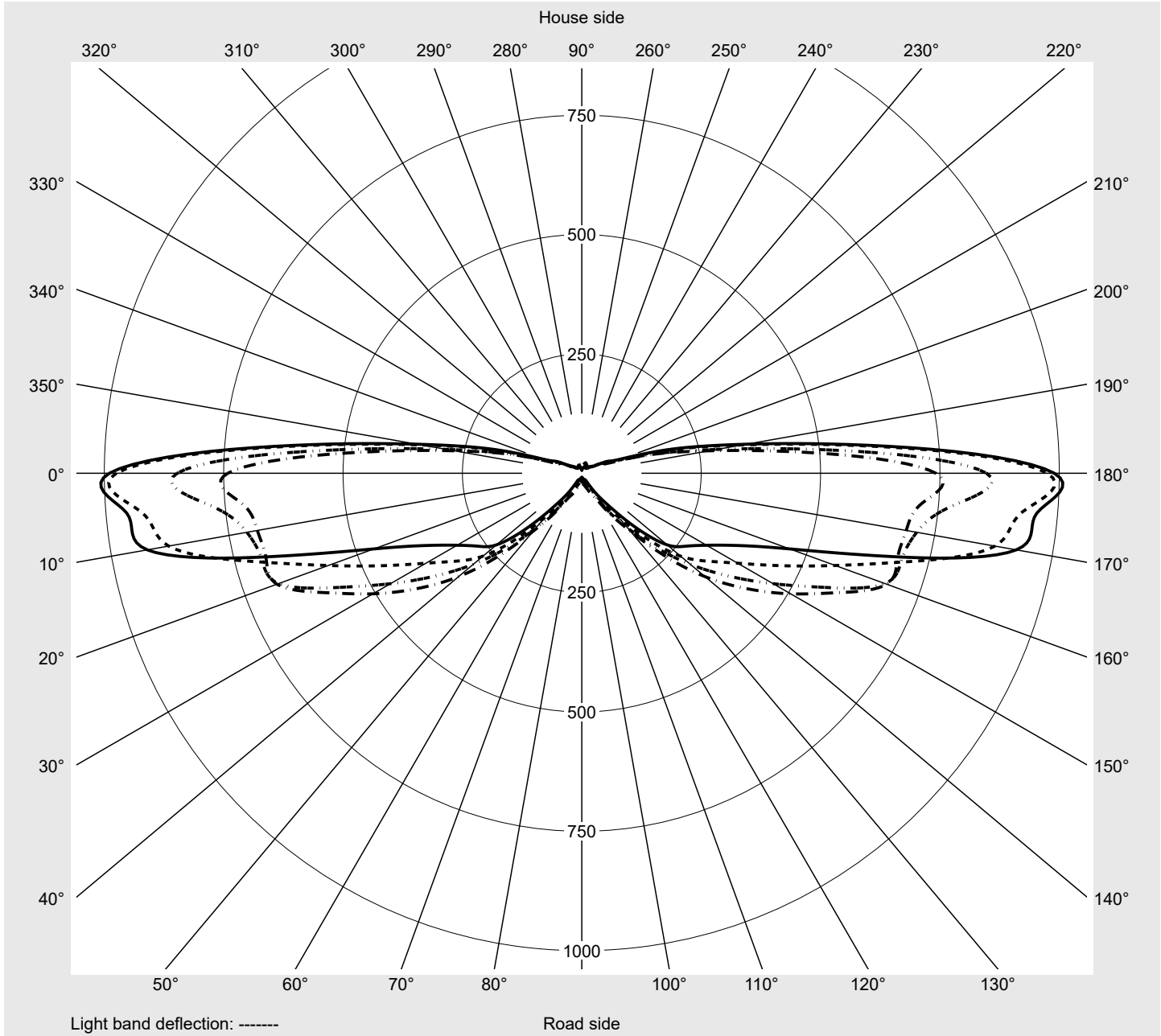
Class:	---
Imax 70°	989.5
Imax 80°	402.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm KMK 70° KMK 67.5° KMK 65° KMK 62.5°		sit eco



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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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
2,5°	127.0	126.9	126.7	127.1	127.5	127.3	127.1	128.3	129.5	129.7	130.1	130.6	131.2
5,0°	129.4	129.7	129.9	131.6	133.3	133.8	134.2	136.5	138.5	139.4	140.0	140.9	141.8
7,5°	129.5	131.2	133.6	138.7	143.9	146.8	149.1	151.9	154.4	155.9	156.8	157.5	158.1
10,0°	129.7	134.2	139.4	146.6	153.6	158.3	162.1	165.8	169.0	171.3	173.3	173.9	174.6
12,5°	132.2	140.4	148.4	155.8	162.3	167.0	171.3	176.3	181.1	185.3	189.4	189.9	190.5
15,0°	134.8	146.4	156.9	164.5	170.7	176.6	182.2	188.1	194.0	199.8	205.5	206.6	207.7
17,5°	139.8	152.1	163.1	170.1	176.2	184.1	192.2	199.8	207.4	215.7	222.8	226.3	228.6
20,0°	151.0	162.2	172.4	179.8	187.1	197.9	208.5	215.8	222.4	230.5	237.9	242.4	245.9
22,5°	174.4	179.0	184.6	194.4	206.6	220.1	234.5	236.8	239.6	243.7	248.6	253.7	259.0
25,0°	192.5	197.2	200.3	212.0	224.9	242.0	260.4	258.9	257.4	259.0	261.2	265.2	269.7
27,5°	202.8	210.3	217.6	227.2	238.5	251.8	265.9	270.3	274.3	276.8	278.7	280.3	281.7
30,0°	213.1	228.0	242.7	251.7	258.7	264.6	271.4	282.3	294.5	293.7	292.8	288.0	283.7
32,5°	244.6	260.4	276.7	281.4	286.1	286.2	286.4	306.4	326.3	316.5	305.5	289.8	274.8
35,0°	282.9	300.1	316.1	317.6	319.2	314.0	308.8	326.9	345.1	329.2	310.9	285.5	257.6
37,5°	333.9	349.8	361.3	359.3	357.4	348.9	340.5	341.1	341.8	326.7	305.4	265.9	220.2
40,0°	379.9	398.5	411.0	406.7	402.4	389.4	375.8	360.7	343.6	326.1	299.9	252.8	198.4
42,5°	423.6	452.2	475.0	468.4	461.7	442.8	420.4	388.6	352.5	315.2	277.3	240.7	204.4
45,0°	456.8	492.9	524.2	518.3	512.3	487.3	457.2	413.0	362.6	308.3	258.7	224.8	201.4
47,5°	475.5	516.4	551.6	551.7	551.9	521.1	484.9	433.5	374.3	306.8	245.7	210.0	186.6
50,0°	491.4	538.2	578.7	582.9	587.1	549.7	507.2	451.2	386.1	306.4	233.6	193.5	167.9
52,5°	503.2	555.2	600.4	609.4	618.4	574.3	526.5	470.9	404.4	312.6	225.5	175.0	141.6
55,0°	514.9	576.5	631.8	638.3	644.8	591.1	535.5	478.3	409.9	308.7	211.5	155.7	119.1
57,5°	546.5	624.5	690.5	680.1	669.8	598.7	528.8	467.0	396.4	287.5	185.0	133.5	103.0
60,0°	612.4	667.9	723.5	703.4	683.3	601.3	522.1	456.0	382.9	270.8	166.0	114.7	85.6
62,5°	741.6	715.8	690.0	684.7	679.5	591.9	505.0	421.3	336.9	242.9	158.3	106.2	64.7
65,0°	847.5	779.9	712.2	694.0	675.7	566.2	462.6	375.5	296.7	219.8	150.6	96.0	46.7
67,5°	974.7	926.6	878.5	713.8	564.9	457.9	376.9	321.0	270.1	194.9	121.9	73.7	32.8
70,0°	989.5	956.7	924.0	674.9	463.3	357.9	301.7	266.3	233.4	162.9	91.8	51.1	19.0
72,5°	831.9	816.0	800.1	583.1	366.1	295.6	234.6	206.1	179.1	118.9	59.9	32.6	14.6
75,0°	681.5	667.1	652.6	470.2	287.8	232.2	183.0	156.1	129.7	81.8	27.9	19.4	11.0
77,5°	548.6	506.8	451.2	346.8	243.9	193.2	158.6	118.0	80.3	48.7	19.3	14.0	8.7
80,0°	402.4	343.4	286.5	233.7	187.8	156.1	126.6	84.0	44.9	25.8	12.7	9.5	6.7
82,5°	236.3	206.9	176.9	143.8	113.5	94.6	77.5	52.1	28.7	17.2	9.4	7.2	5.2
85,0°	70.2	68.8	67.3	53.3	39.3	39.7	40.0	27.0	15.8	10.1	6.1	4.8	3.6
87,5°	35.1	34.4	33.7	26.6	19.6	17.6	15.0	10.4	5.9	3.8	2.3	1.8	1.4
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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
2,5°	131.1	130.9	130.9	130.9	131.4	131.9	126.9	126.8	126.1	125.5	125.9	126.3	126.8
5,0°	141.5	141.3	141.2	141.1	141.4	141.8	129.1	128.6	127.9	127.1	127.7	128.4	128.2
7,5°	157.8	157.4	157.6	157.8	156.3	154.8	129.6	129.6	129.5	129.3	130.9	132.4	129.8
10,0°	174.4	174.2	173.9	173.5	171.2	169.0	130.3	130.9	131.7	132.5	132.9	133.3	129.2
12,5°	191.4	192.5	190.0	187.6	185.8	184.3	132.5	132.7	134.6	136.6	133.1	128.7	122.0
15,0°	208.6	209.6	205.9	202.3	201.4	200.5	134.6	134.4	137.9	141.3	133.2	126.0	121.3
17,5°	227.3	225.9	221.2	216.4	216.5	216.6	139.7	139.6	143.5	147.3	135.2	123.1	136.0
20,0°	243.2	240.3	236.8	233.2	234.6	236.0	149.3	147.6	150.0	152.3	139.2	126.0	144.7
22,5°	255.9	252.7	253.2	253.7	258.5	263.4	167.4	159.8	158.4	156.9	150.7	144.4	150.0
25,0°	266.4	263.2	268.7	274.2	279.5	284.8	182.5	171.8	164.9	159.3	153.9	149.1	145.3
27,5°	279.5	277.3	278.7	280.0	290.8	301.5	192.1	180.4	169.0	157.3	144.5	132.5	124.7
30,0°	280.8	278.3	282.1	285.9	297.9	309.9	204.4	194.7	177.5	157.5	136.4	117.1	105.2
32,5°	265.9	258.9	270.2	281.7	293.6	305.8	231.5	215.7	189.9	160.5	129.5	102.7	89.7
35,0°	249.1	240.7	259.9	277.5	290.3	301.7	264.1	240.1	204.4	164.7	127.2	89.9	79.7
37,5°	221.8	223.5	244.4	263.2	275.5	285.6	306.6	270.5	223.9	172.9	123.8	74.6	67.8
40,0°	203.1	207.9	226.8	244.2	257.0	268.4	345.3	299.3	239.5	176.3	121.8	69.1	61.7
42,5°	201.2	197.9	209.1	221.7	238.2	256.0	381.0	325.6	248.6	172.7	120.2	83.0	62.5
45,0°	189.2	181.7	186.8	191.9	211.1	230.3	411.6	352.0	259.0	169.0	119.6	88.2	65.7
47,5°	170.0	157.1	152.5	147.9	164.8	181.6	422.2	353.0	248.0	149.8	105.3	81.5	60.8
50,0°	146.6	130.9	119.6	110.2	124.7	139.2	431.1	353.9	248.2	131.8	100.7	72.8	54.5
52,5°	116.3	98.9	87.1	77.9	90.5	103.0	435.6	350.8	238.4	115.6	86.2	60.3	45.3
55,0°	92.1	74.1	62.4	53.8	63.4	73.0	439.5	347.7	228.5	99.2	72.5	49.5	37.7
57,5°	77.0	58.9	48.1	40.5	44.9	49.2	431.5	306.1	191.4	78.2	58.5	38.8	32.3
60,0°	61.9	46.2	36.8	30.3	30.9	31.5	429.1	264.5	155.8	65.7	49.2	32.6	28.1
62,5°	49.8	36.7	29.4	24.0	22.9	21.8	489.6	270.9	151.9	66.0	48.8	34.0	26.1
65,0°	37.0	28.3	22.5	18.6	16.3	14.7	546.3	287.4	155.7	66.3	49.2	34.1	25.5
67,5°	26.6	20.9	16.7	13.7	12.1	11.0	635.2	341.7	186.3	76.8	54.4	32.0	24.6
70,0°	17.0	14.9	12.3	9.9	8.9	8.2	646.5	350.5	195.4	87.3	59.0	30.7	23.7
72,5°	12.4	10.4	8.9	7.6	7.1	6.6	541.4	290.6	159.2	67.5	48.8	32.7	24.1
75,0°	8.9	7.1	6.2	5.6	5.4	5.2	439.7	231.4	123.8	49.7	39.9	30.9	23.8
77,5°	7.0	5.5	4.7	4.2	3.9	3.7	344.9	171.2	87.0	32.7	27.6	22.8	18.7
80,0°	5.1	4.1	3.4	3.0	2.8	2.6	258.9	115.4	67.6	19.9	17.9	16.0	14.2
82,5°	4.0	3.2	2.6	2.2	2.0	1.9	151.3	66.3	39.6	12.8	11.7	10.8	10.3
85,0°	2.8	2.2	1.7	1.5	1.3	1.2	43.7	17.3	12.2	7.2	6.8	6.4	6.5
87,5°	1.0	0.8	0.7	0.6	0.5	0.5	21.9	8.7	5.7	2.7	2.5	2.4	2.4
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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	0.2	0.2
2,5°	127.2	125.8	124.4	123.3	122.1	120.5	119.0	118.1	117.5	117.1	116.9	1.5	1.7
5,0°	128.1	126.3	124.3	121.4	118.6	116.5	114.7	113.2	111.9	111.2	110.6	3.1	4.8
7,5°	127.0	123.7	120.0	116.4	112.7	112.6	112.4	110.5	108.6	108.6	108.5	4.9	9.7
10,0°	124.9	120.3	115.8	112.0	108.5	109.2	110.0	107.5	105.2	103.7	102.4	6.7	16.4
12,5°	114.6	116.9	119.2	112.6	106.6	102.8	99.8	96.1	92.9	91.4	90.3	8.6	25.0
15,0°	117.6	120.0	122.5	113.4	104.8	97.8	91.6	86.0	80.6	79.4	78.2	10.7	35.8
17,5°	148.9	131.4	115.8	105.4	97.9	92.3	87.9	83.2	78.7	77.8	77.0	13.1	48.9
20,0°	163.4	134.0	109.1	96.8	90.1	85.0	81.7	78.8	76.7	75.2	73.9	15.6	64.5
22,5°	155.6	128.1	104.0	90.2	79.8	75.5	71.8	69.9	68.6	68.3	68.1	18.4	82.9
25,0°	141.8	117.6	96.2	81.8	72.0	66.1	62.0	61.3	60.5	61.4	62.2	21.2	104.0
27,5°	116.0	99.6	83.3	74.1	68.0	63.2	59.2	59.4	59.6	60.5	61.3	23.6	127.6
30,0°	95.5	83.3	72.6	67.1	63.5	60.0	56.8	57.8	58.8	58.8	58.8	26.0	153.7
32,5°	81.8	72.5	65.0	60.7	58.2	56.4	55.0	55.0	55.0	54.5	54.0	28.7	182.4
35,0°	70.4	63.1	57.7	55.0	53.4	53.3	53.2	51.9	50.8	49.8	48.8	31.6	214.0
37,5°	61.4	55.7	50.2	49.8	49.4	48.1	47.1	46.5	46.2	44.4	42.5	34.2	248.2
40,0°	54.7	49.2	44.3	44.7	45.2	43.5	41.9	41.5	41.1	39.1	37.2	37.2	285.4
42,5°	51.9	45.1	40.7	40.4	39.9	39.1	37.9	36.1	34.1	33.6	33.2	40.8	326.2
45,0°	48.4	42.9	37.4	36.5	35.7	35.1	34.6	31.8	29.0	29.2	29.4	43.8	370.0
47,5°	43.9	39.3	34.7	33.6	32.5	32.3	32.1	29.2	26.3	25.9	25.6	45.2	415.2
50,0°	39.3	35.4	31.5	30.7	29.8	29.9	30.0	27.1	24.2	23.3	22.5	46.6	461.8
52,5°	34.0	30.7	27.5	27.5	27.4	28.0	28.6	25.5	22.9	21.4	20.3	47.5	509.2
55,0°	29.6	26.8	24.0	24.7	25.5	26.4	27.4	24.5	21.8	19.9	18.2	48.2	557.5
57,5°	26.7	23.4	20.9	22.8	24.4	25.6	26.7	23.9	21.2	18.7	16.2	48.7	606.2
60,0°	24.0	21.0	18.4	20.7	22.9	24.5	25.9	23.3	20.5	17.4	14.3	49.2	655.4
62,5°	21.5	18.4	16.3	18.5	20.6	22.1	23.4	20.9	18.5	16.0	13.6	50.0	705.4
65,0°	19.0	16.9	14.7	16.6	18.4	19.6	20.7	18.3	16.0	14.4	13.0	51.1	756.5
67,5°	18.4	15.5	13.7	15.1	16.3	17.3	18.2	15.5	13.0	11.1	9.3	52.9	809.3
70,0°	17.7	14.9	13.2	13.5	13.8	14.3	14.9	12.2	9.7	7.8	6.1	50.7	860.0
72,5°	18.0	15.7	13.6	12.0	10.8	10.2	9.8	7.8	6.1	4.6	3.2	42.6	902.6
75,0°	18.4	15.3	13.2	10.3	7.8	6.7	5.8	4.1	2.4	1.3	0.4	34.3	936.9
77,5°	15.5	13.5	11.9	9.5	7.1	5.3	3.8	2.5	1.5	0.8	0.2	26.3	963.2
80,0°	12.5	11.3	9.9	8.1	6.1	3.9	1.7	1.2	0.6	0.3	0.0	18.8	982.0
82,5°	9.6	8.2	6.6	5.4	4.3	2.9	1.3	0.8	0.4	0.2	0.1	11.5	993.5
85,0°	6.6	5.1	3.8	3.2	2.7	1.8	0.9	0.5	0.3	0.2	0.2	4.4	997.9
87,5°	2.5	1.9	1.4	1.2	1.0	0.7	0.3	0.2	0.1	0.1	0.1	2.0	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 micro LED	Order number: 5XC1CC1F08CE EAN: 4069025076373	LP number 58063_221
Dimming levels table environmental temperature: 25°C		

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	1660	11.4	11.6	11.5
95	241	252	1575	10.9	11.1	11.0
90	229	250	1497	10.4	10.5	10.4
85	216	248	1412	9.9	10.0	10.0
80	203	246	1327	9.3	9.5	9.4
75	190	243	1242	8.7	8.8	8.8
70	178	241	1163	8.2	8.3	8.2
65	165	238	1078	7.8	7.8	7.8
60	152	235	993	7.3	7.4	7.4
55	140	232	915	6.9	7.0	7.0
50	127	229	830	6.4	6.5	6.4
45	114	225	745	5.9	5.9	5.9
40	102	221	667	5.4	5.5	5.4
35	89	216	582	4.8	4.9	4.8
30	76	210	497	4.4	4.4	4.4
25	64	204	418	3.9	3.9	3.9