

Photometric test report

Family Streetlight 11 mini LED

Order number: 5XC2GC1F08HE
EAN: 4069025225399

LP number
58294_567



Version	post-top or side-entry mounting, Colour Switch
Optic	direct, asymmetric wide distribution S120007
Cover	transparent, PMMA
Lamps	LED 4000 K CRI ≥ 70
Controlgear	ECG SITECO iQ
Setting	individual position
Rated values	Net luminous flux = 8600 lm Power consumption = 61.0 W Luminous efficacy = 141 lm/W

serial
documentation
24.06.2024

siteco

Luminous intensity in cd/klm

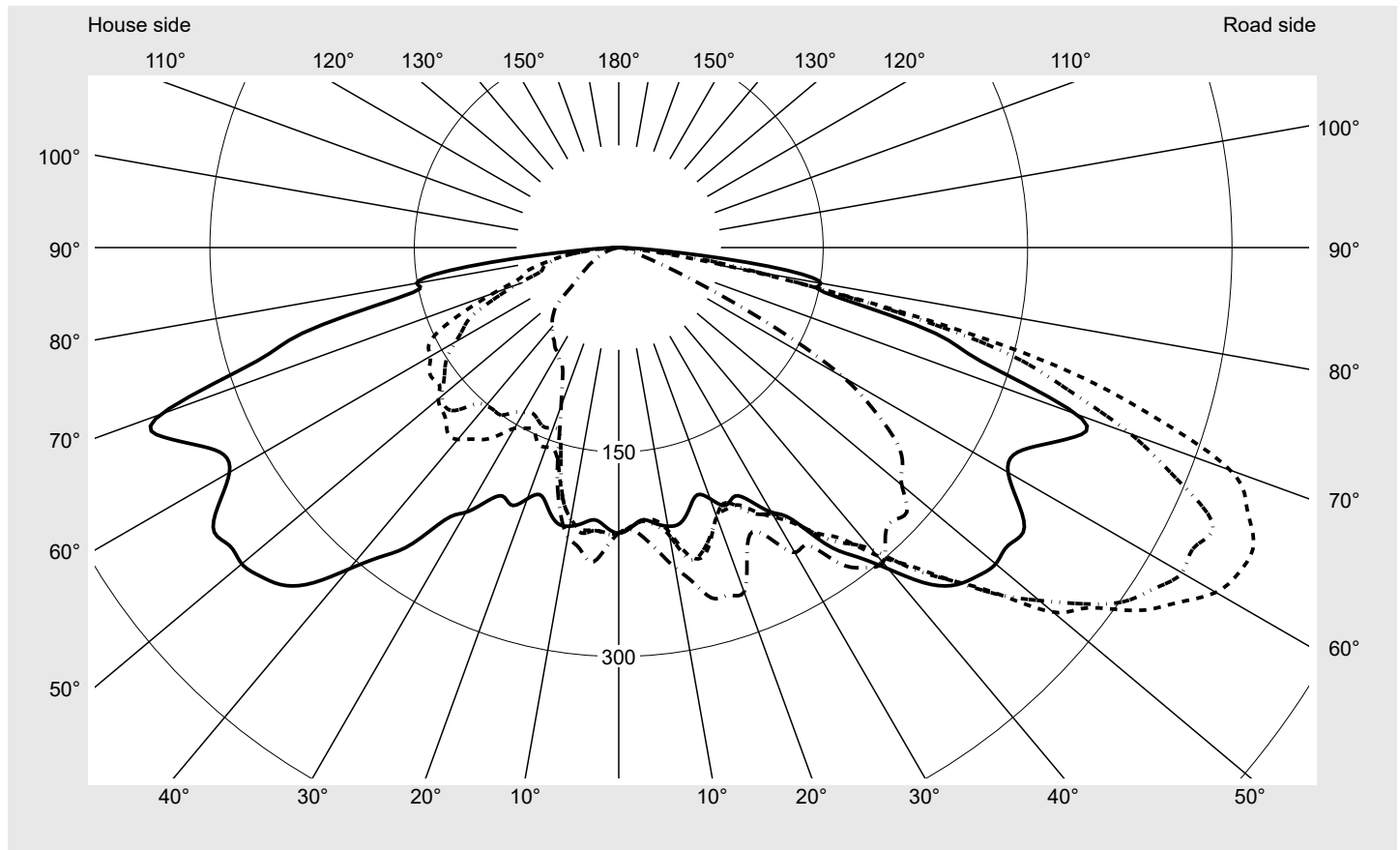
C180-0

C205-25

C210-30

C270-90

Imax: 514 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°	477.9
Imax 80°	150.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm

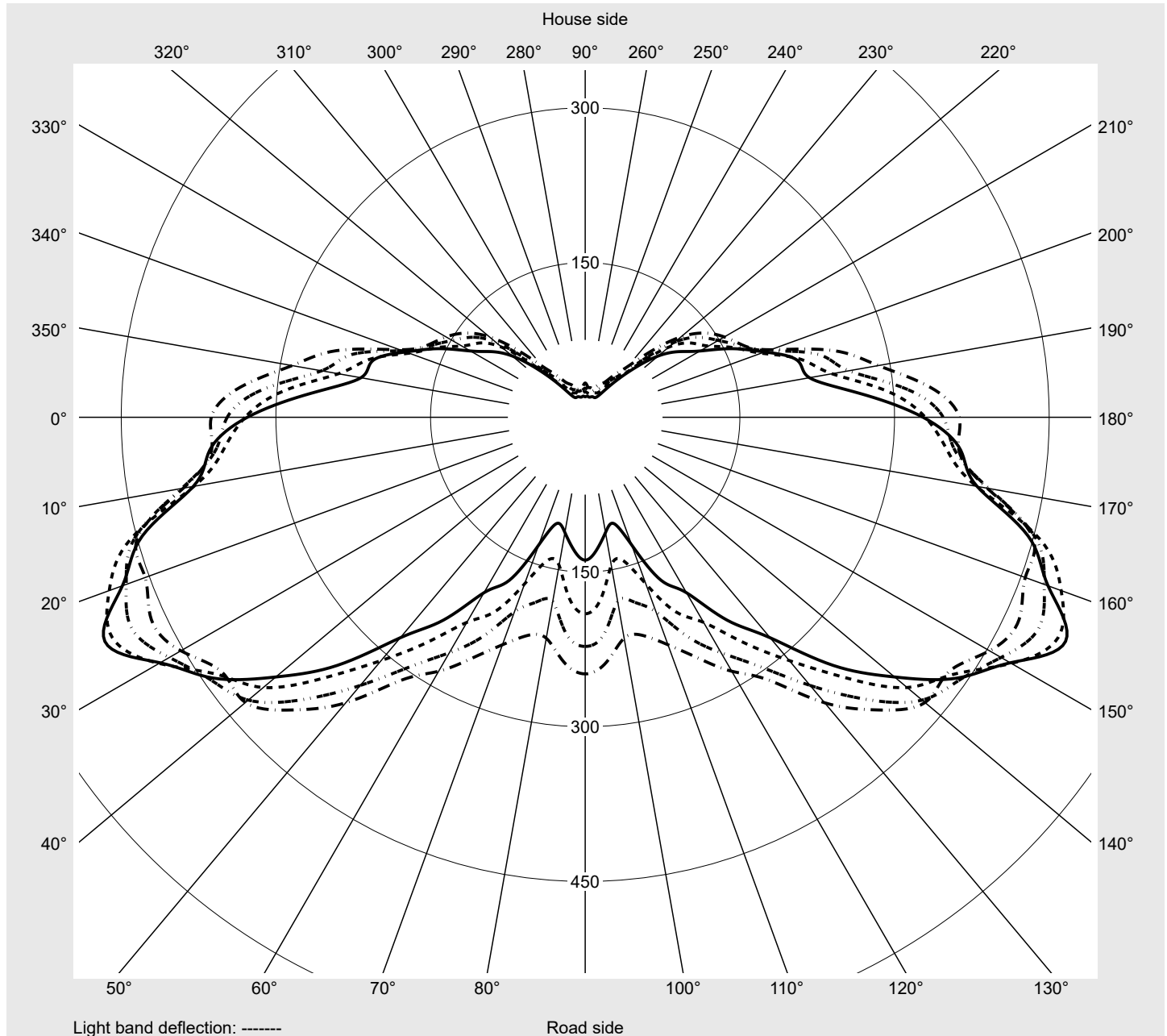
KMK 62.5°

KMK 60°

KMK 57.5°

KMK 55°

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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
2,5°	205.6	205.7	205.1	204.9	205.0	204.7	205.4	206.0	205.3	204.4	203.8	203.2	203.2
5,0°	200.6	200.0	200.2	201.0	201.0	200.8	201.6	203.7	204.4	207.0	208.6	208.8	209.5
7,5°	204.1	204.0	201.6	200.1	200.5	201.7	205.6	211.5	213.9	215.7	216.6	218.7	220.9
10,0°	207.6	209.2	209.7	209.8	209.4	211.5	214.5	217.2	219.6	222.1	226.6	230.1	232.8
12,5°	207.3	213.8	219.7	222.4	226.4	229.8	233.4	232.9	229.9	232.2	233.3	236.0	235.0
15,0°	199.0	200.3	211.5	229.6	237.5	235.5	232.7	228.6	224.1	226.5	229.3	229.9	235.7
17,5°	190.4	197.3	210.2	222.7	225.6	224.7	222.5	217.1	223.5	219.7	214.6	212.5	217.6
20,0°	196.1	203.0	207.3	214.6	213.8	210.1	210.1	216.7	224.8	216.2	208.8	208.6	214.3
22,5°	204.7	210.2	206.9	215.4	212.0	207.6	202.9	210.8	212.9	212.7	211.4	211.9	212.6
25,0°	201.2	207.7	211.1	218.3	214.4	208.4	210.5	217.3	217.4	220.3	221.0	220.3	222.0
27,5°	210.0	215.2	216.1	218.3	219.0	218.7	220.5	224.0	230.0	232.2	238.2	239.3	248.8
30,0°	224.2	230.6	232.5	231.7	231.8	228.4	225.6	229.7	241.6	250.9	258.1	265.1	275.3
32,5°	236.4	239.9	242.1	243.2	242.8	240.1	238.5	242.0	259.4	270.0	276.8	284.1	289.7
35,0°	266.1	266.9	261.8	256.5	252.6	256.3	258.8	263.1	271.7	283.6	290.8	306.4	310.7
37,5°	285.6	282.4	281.9	272.6	261.9	269.5	273.5	280.9	289.8	295.2	309.0	335.0	331.2
40,0°	307.8	307.6	298.3	291.3	284.3	295.0	289.2	296.4	304.1	319.2	325.8	343.3	347.7
42,5°	334.2	326.4	325.3	318.4	314.5	316.6	320.2	318.3	317.8	333.8	340.8	351.7	353.4
45,0°	349.9	346.2	344.7	343.7	341.8	345.2	345.6	339.4	342.9	358.9	350.5	347.1	349.5
47,5°	356.8	353.9	367.5	388.9	362.0	375.2	376.5	367.6	369.2	367.0	359.1	339.7	345.5
50,0°	361.1	368.7	382.5	428.7	381.0	416.2	402.8	390.6	393.2	377.3	353.6	334.3	323.6
52,5°	359.6	357.8	391.5	430.5	422.3	434.1	429.4	415.4	416.5	391.3	357.8	320.9	299.8
55,0°	362.7	363.8	395.8	449.4	454.2	464.3	452.8	430.3	430.2	401.3	361.3	311.3	284.3
57,5°	347.2	359.5	397.5	452.4	473.7	485.1	465.8	443.6	426.6	387.0	339.4	294.9	263.7
60,0°	329.9	351.7	385.3	456.5	491.3	506.0	477.3	434.9	407.6	357.1	307.9	266.0	229.6
62,5°	327.7	365.6	386.0	444.8	477.7	514.1	476.0	440.8	391.7	340.2	279.0	240.2	196.4
65,0°	342.5	392.5	389.2	425.5	456.9	514.1	481.3	416.2	364.1	317.6	257.1	222.8	161.8
67,5°	362.5	436.1	382.5	401.8	447.8	498.9	442.9	393.8	331.6	288.5	228.0	195.2	143.3
70,0°	357.4	420.3	359.9	368.3	453.9	477.9	399.8	347.8	309.6	257.3	197.9	158.9	124.3
72,5°	280.3	372.1	312.1	330.4	401.3	410.8	344.5	287.0	267.7	217.5	167.3	129.5	110.8
75,0°	237.1	318.5	240.6	282.1	301.1	327.3	288.7	220.4	187.0	164.0	134.5	116.5	98.1
77,5°	158.0	221.9	166.9	207.0	172.4	196.4	186.9	147.0	122.7	116.0	90.3	82.7	70.0
80,0°	150.6	123.0	102.1	123.8	86.4	93.9	102.8	105.1	85.9	78.7	44.1	38.5	30.3
82,5°	120.2	63.8	40.9	40.4	26.6	34.2	53.9	70.5	52.4	35.3	21.3	16.9	11.9
85,0°	49.4	23.6	13.4	9.2	7.5	9.3	11.5	16.7	14.6	10.6	10.4	8.0	6.3
87,5°	11.8	8.1	5.5	4.8	4.2	4.6	4.8	5.1	5.3	4.8	4.2	4.0	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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6
2,5°	203.1	203.0	204.6	205.3	206.0	206.9	205.5	206.6	207.7	208.7	209.5	210.3	210.8
5,0°	209.5	210.0	210.5	212.3	214.2	213.9	201.5	202.7	202.5	204.3	208.1	208.4	207.5
7,5°	222.3	225.1	226.3	226.7	226.6	225.1	204.0	203.4	204.4	205.7	208.7	211.2	210.9
10,0°	232.0	231.2	232.4	233.6	235.5	238.6	202.7	201.4	201.3	202.7	202.3	202.6	205.2
12,5°	238.9	241.7	245.2	248.7	252.4	251.4	199.3	198.0	192.9	190.6	189.2	189.1	189.2
15,0°	236.9	243.3	249.4	258.1	262.3	266.4	194.4	191.9	184.6	178.8	169.3	164.2	160.6
17,5°	229.2	238.9	247.9	257.1	263.7	267.5	189.4	185.9	180.3	171.1	156.3	143.4	139.0
20,0°	221.0	231.2	243.0	255.2	265.6	268.8	191.0	182.0	174.2	167.5	155.8	140.7	134.8
22,5°	221.6	232.4	245.3	250.3	249.5	245.8	191.4	178.6	167.4	160.1	155.3	142.5	129.7
25,0°	228.0	237.5	241.9	238.9	237.8	230.6	192.1	174.4	168.7	155.9	147.8	139.9	126.5
27,5°	249.4	250.2	249.0	248.4	241.2	240.7	196.6	184.1	170.0	160.9	149.5	137.1	126.3
30,0°	274.3	269.2	254.3	256.1	254.8	258.3	216.4	204.4	186.6	170.7	153.1	139.5	127.1
32,5°	284.4	271.3	265.0	270.9	265.3	259.0	230.9	220.2	200.6	179.6	162.9	143.3	130.1
35,0°	305.2	293.7	290.6	292.2	285.6	283.0	265.8	250.6	220.5	193.1	171.9	150.0	132.3
37,5°	319.7	309.7	294.0	286.7	287.8	296.0	285.3	272.2	235.5	205.4	177.1	150.4	133.1
40,0°	337.7	321.9	291.1	275.9	284.7	301.7	313.3	292.7	247.2	217.3	183.8	151.3	139.1
42,5°	348.9	316.1	291.3	275.9	286.3	289.4	326.8	308.0	255.6	226.7	185.4	155.6	143.3
45,0°	352.6	315.7	285.9	274.4	284.0	283.7	347.3	328.5	269.4	236.2	179.4	168.9	149.4
47,5°	346.6	306.7	270.7	272.1	287.2	286.8	361.2	325.8	276.9	229.4	176.2	172.7	157.7
50,0°	323.6	284.0	254.7	255.4	280.5	271.1	358.8	318.5	269.0	216.6	172.8	169.4	157.1
52,5°	288.6	264.3	237.6	247.2	255.4	262.4	346.6	305.4	258.6	200.4	165.8	161.9	149.4
55,0°	257.2	234.7	219.2	217.5	238.2	248.8	335.7	288.7	249.7	191.5	167.0	155.8	142.3
57,5°	234.4	200.7	185.7	181.4	210.8	222.2	313.1	259.6	234.8	188.7	164.8	149.0	135.2
60,0°	208.2	171.9	144.2	145.7	176.3	190.5	293.5	243.1	216.8	181.7	159.6	138.1	125.5
62,5°	174.5	131.7	106.6	113.4	128.8	138.5	266.9	220.9	213.1	185.2	157.4	128.5	111.0
65,0°	137.2	94.0	76.8	79.0	87.3	81.9	252.2	222.4	206.5	180.2	146.4	119.0	100.4
67,5°	107.2	66.9	52.5	43.4	43.5	43.9	242.0	221.7	206.9	161.7	123.0	99.6	85.2
70,0°	90.4	52.1	32.8	21.8	21.0	21.8	214.0	256.9	208.7	129.3	97.7	80.3	74.0
72,5°	76.2	30.7	18.8	12.2	11.0	10.5	204.4	243.7	153.8	99.0	76.8	61.5	58.7
75,0°	60.2	19.9	12.8	9.5	8.5	8.3	180.0	179.3	126.0	89.8	71.5	57.5	49.9
77,5°	25.1	13.9	9.2	7.5	7.0	6.6	142.6	126.0	117.7	76.6	60.8	52.4	41.5
80,0°	13.4	9.4	6.7	5.7	5.4	5.4	107.1	124.7	99.0	59.9	47.4	45.6	27.2
82,5°	8.6	6.4	4.8	4.1	4.1	4.3	61.7	98.1	69.3	43.9	35.9	33.0	21.7
85,0°	5.2	4.0	3.0	2.6	2.2	2.2	35.4	45.5	27.0	19.3	18.2	15.9	11.8
87,5°	2.9	2.2	1.6	1.3	1.0	1.0	11.6	11.8	8.3	5.6	5.7	5.8	3.8
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
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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		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°	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	209.6	0.3	0.3
2,5°	212.0	213.1	214.4	216.5	219.1	220.0	220.3	220.4	221.1	221.3	220.8	2.5	2.8
5,0°	207.3	208.6	210.0	212.4	215.2	220.1	224.3	228.1	230.5	232.3	231.7	5.0	7.8
7,5°	207.1	207.6	207.9	208.0	210.6	214.3	217.8	219.4	220.6	222.9	222.3	7.6	15.4
10,0°	201.9	197.4	196.1	197.8	200.7	203.1	205.8	209.1	213.9	215.2	215.6	10.1	25.6
12,5°	188.7	186.8	187.2	188.9	189.0	192.0	194.9	202.2	202.9	199.9	198.5	12.7	38.2
15,0°	163.2	166.1	166.8	168.0	167.6	169.0	171.8	175.5	177.6	177.5	174.3	14.5	52.7
17,5°	142.4	145.3	148.6	146.6	142.2	141.3	142.5	140.5	139.6	141.9	145.2	15.7	68.4
20,0°	132.1	133.9	136.1	131.7	126.2	120.3	118.7	117.2	119.3	123.0	123.6	17.1	85.4
22,5°	121.6	123.3	127.5	122.6	117.2	111.3	108.1	104.4	104.1	105.1	108.4	18.6	104.0
25,0°	116.4	116.4	122.3	114.9	111.8	108.8	104.8	99.9	98.0	96.3	97.5	20.4	124.4
27,5°	113.5	110.4	106.0	104.2	104.7	100.3	99.3	95.7	92.3	93.2	93.9	22.8	147.2
30,0°	118.2	110.9	106.7	103.5	94.1	91.0	88.4	87.2	88.7	89.6	89.4	25.8	173.0
32,5°	121.5	114.0	109.5	100.2	88.8	83.6	80.0	80.0	84.3	86.3	87.0	28.8	201.9
35,0°	128.0	116.1	107.5	90.6	81.0	75.6	72.2	73.3	78.1	83.0	82.8	32.7	234.6
37,5°	127.5	116.2	104.9	90.3	73.2	71.2	67.5	68.7	74.1	79.7	80.7	36.1	270.7
40,0°	131.4	114.2	99.6	87.6	68.0	64.4	63.9	66.0	70.0	75.2	75.7	39.6	310.3
42,5°	134.7	114.2	96.0	77.4	69.2	62.4	60.4	61.5	65.2	69.3	72.3	43.1	353.4
45,0°	137.7	114.0	90.2	69.6	65.6	62.2	54.8	55.1	57.7	63.4	67.4	46.5	400.0
47,5°	135.7	108.6	82.1	66.4	62.0	58.8	49.4	45.7	48.7	56.3	60.7	49.4	449.4
50,0°	128.4	106.2	77.5	63.1	56.8	52.0	46.1	38.7	40.5	45.7	47.2	51.3	500.6
52,5°	126.2	101.8	73.6	57.3	47.5	43.0	38.5	34.1	34.3	36.5	39.1	52.3	552.9
55,0°	121.3	90.9	64.3	50.8	40.1	35.5	32.1	28.8	29.1	29.6	33.2	53.2	606.0
57,5°	113.2	77.9	54.8	44.2	35.4	30.0	28.4	26.1	26.1	26.7	28.2	52.6	658.6
60,0°	105.8	72.5	47.5	38.0	29.4	26.0	25.2	23.4	23.3	23.8	24.7	51.0	709.6
62,5°	92.5	67.2	45.6	30.4	23.1	21.1	21.2	20.4	20.0	20.6	19.9	49.0	758.6
65,0°	79.4	59.7	44.2	23.4	17.5	17.2	17.8	16.9	17.4	17.0	16.6	46.9	805.5
67,5°	69.4	52.0	33.4	16.8	12.4	12.9	14.2	13.4	14.0	14.0	13.3	44.2	849.8
70,0°	61.2	45.1	26.0	12.9	9.9	9.5	10.2	10.0	10.9	11.8	11.2	41.0	890.8
72,5°	54.5	37.0	17.5	9.7	7.6	7.4	7.3	7.4	7.9	9.1	8.6	35.2	926.1
75,0°	37.2	22.5	10.7	7.7	6.2	6.0	5.5	5.7	5.5	6.1	6.1	28.7	954.8
77,5°	24.6	13.7	8.0	6.1	4.8	4.3	4.0	3.9	3.0	2.8	2.6	20.1	974.8
80,0°	17.5	8.2	5.8	4.7	3.7	3.1	2.8	2.2	1.3	0.9	0.7	13.3	988.1
82,5°	13.4	6.6	4.4	3.5	2.9	2.2	1.8	1.6	0.9	0.4	0.5	7.7	995.8
85,0°	6.1	3.6	3.0	2.3	2.0	1.6	1.0	0.8	0.6	0.3	0.3	3.1	998.9
87,5°	2.8	2.2	1.6	1.3	1.1	0.9	0.7	0.6	0.4	0.3	0.3	1.1	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: 5XC2GC1F08HE EAN: 4069025225399	LP number 58294_567
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	8600	61.0	64.3	62.6
95	241	252	8160	57.1	60.2	58.6
90	229	250	7754	53.7	56.4	55.0
85	216	248	7313	50.1	52.6	51.4
80	203	246	6873	46.6	48.9	47.8
75	190	243	6433	43.2	45.3	44.2
70	178	241	6027	40.2	42.1	41.2
65	165	238	5587	36.9	38.8	37.8
60	152	235	5146	33.8	35.4	34.6
55	140	232	4740	31.0	32.4	31.7
50	127	229	4300	28.1	29.3	28.7
45	114	225	3860	25.1	26.3	25.7
40	102	221	3454	22.6	23.6	23.1
35	89	216	3013	19.8	20.6	20.2
30	76	210	2573	17.2	17.9	17.5
25	63	203	2133	14.6	15.2	14.9
20	51	195	1727	12.3	12.8	12.6
15	38	184	1287	9.9	10.2	10.0
10	25	169	846	7.5	7.7	7.6
9	22	164	745	6.7	7.0	6.8