

Photometric test report

Family
Streetlight 11 midi LED

Order number: 5XC3K51Y08ME
EAN: 4058352991985

LP number
59352_86



Version	post-top or side-entry mounting, Smart Interface up/down
Optic	asymmetric, extremely wide distribution with an additional rear light component (ST1.0P1.0)
Cover	transparent, PMMA
Lamps	LED 3000 K CRI ≥ 70
Controlgear	EVG SITECO iQ - Smart Interface
Rated values	Net luminous flux = 17540 lm Power consumption = 122.7 W Luminous efficacy = 143 lm/W

serial
documentation
28.09.2023

siteco

Luminous intensity in cd/klm

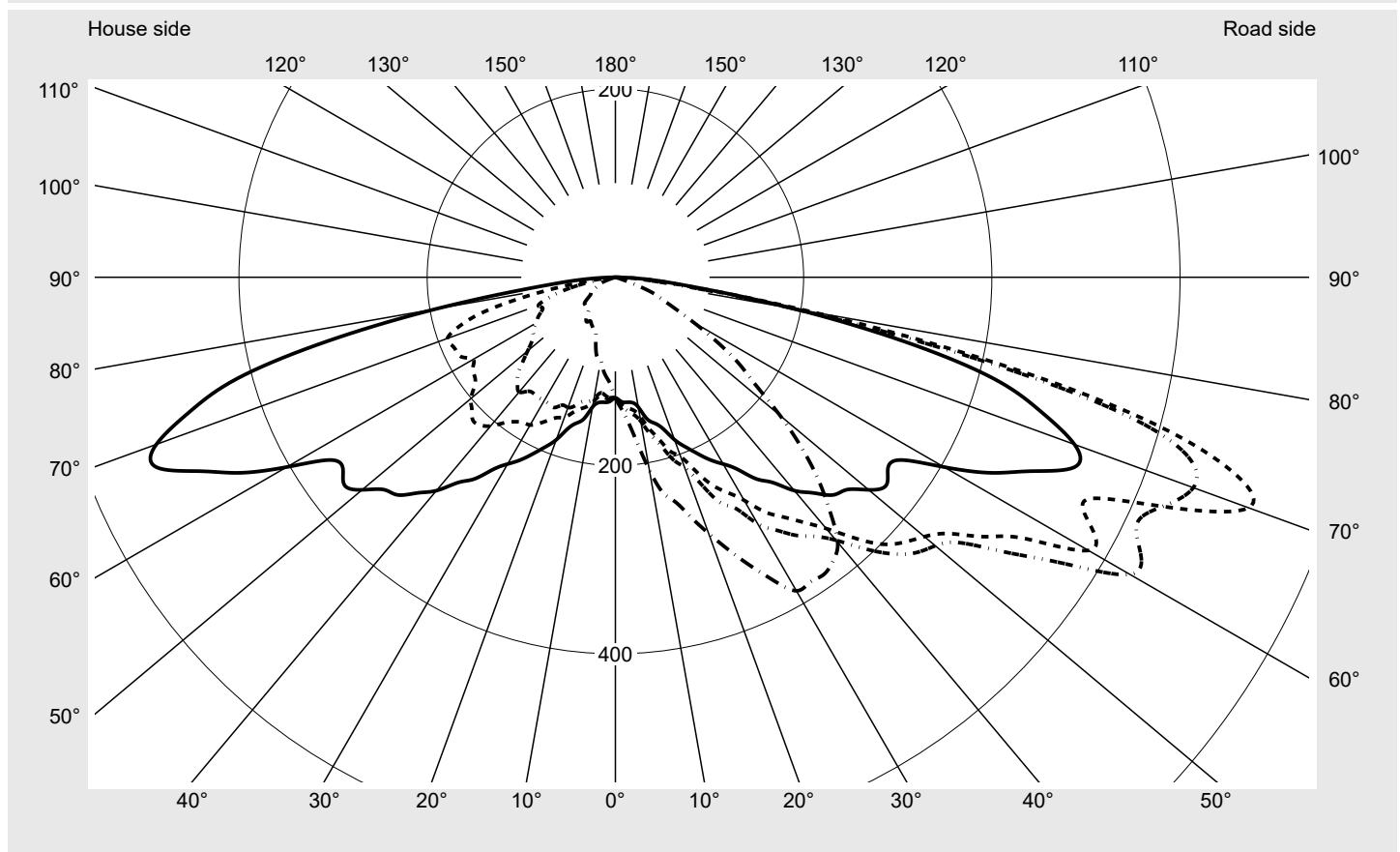
C180-0

C190-10

C195-15

C270-90

Imax: 716 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°	715.9
Imax 80°	211.6
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

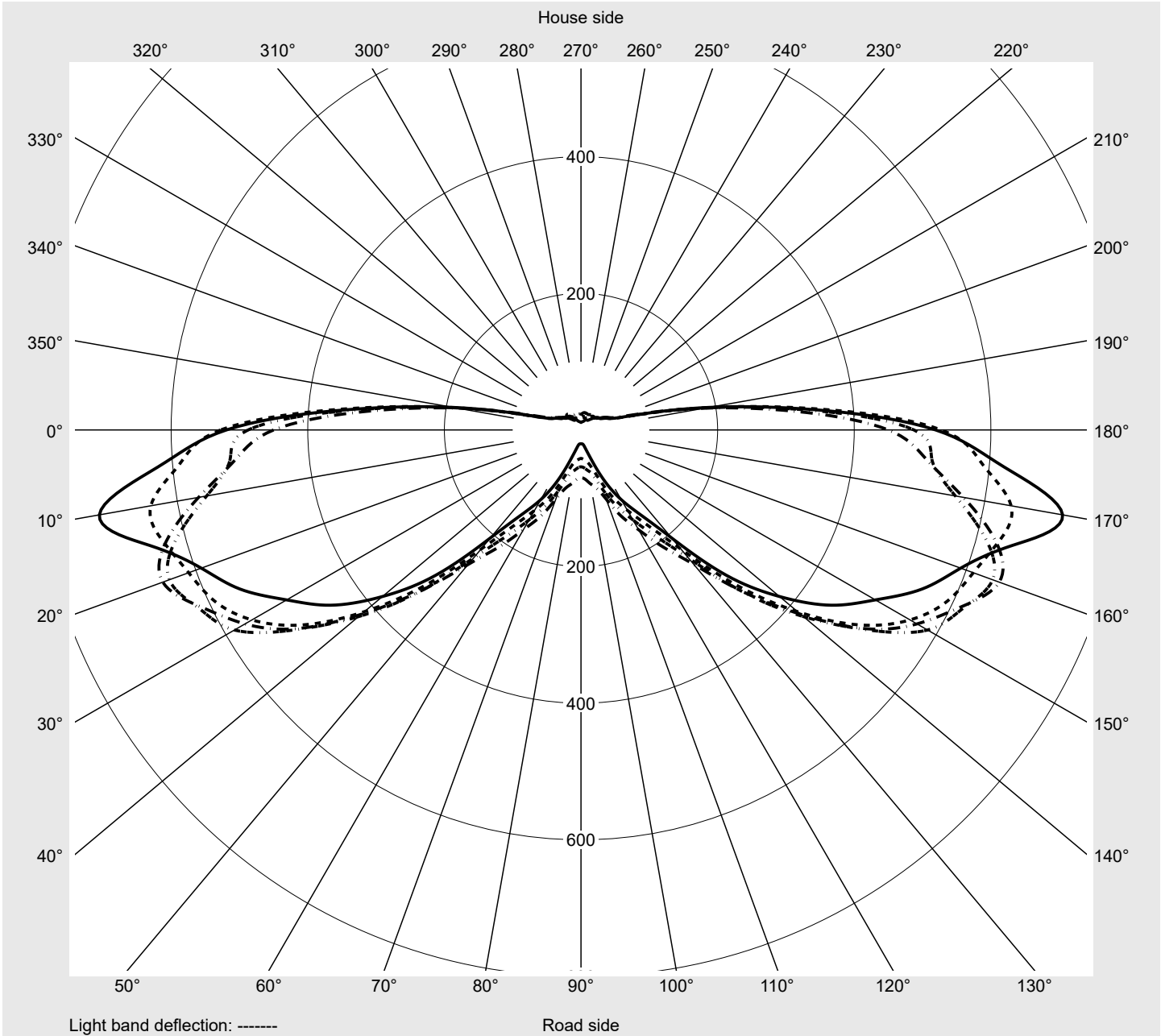
Measurement conditions

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°** **siteco**



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Table of values for luminous intensities Maximum luminous intensity

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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2,5°	131.9	133.1	134.4	135.3	136.1	137.2	138.1	138.5	138.9	139.0	139.3	139.7	140.0
5,0°	133.3	136.3	139.2	142.0	144.2	146.8	149.3	150.8	152.3	154.0	154.1	154.1	154.2
7,5°	134.2	137.3	142.1	147.0	151.6	156.3	160.9	163.9	165.5	166.2	166.4	167.5	169.8
10,0°	140.0	143.8	149.6	155.4	160.3	165.9	171.0	176.6	180.6	184.8	189.2	191.7	194.2
12,5°	153.8	159.9	164.5	170.5	174.5	179.0	185.9	193.5	201.5	207.2	212.6	217.0	218.2
15,0°	160.5	168.7	177.7	183.9	189.8	198.0	203.8	210.6	218.6	226.9	235.9	241.4	244.7
17,5°	168.8	181.3	193.8	202.8	211.2	220.6	226.5	232.5	237.6	240.4	243.6	251.6	259.6
20,0°	183.7	194.6	202.9	215.1	230.5	240.6	251.4	262.0	264.0	267.2	266.7	270.0	277.4
22,5°	195.2	209.8	222.8	237.7	255.0	268.7	279.1	288.6	294.5	291.2	288.3	291.7	296.8
25,0°	206.8	223.4	243.5	264.4	283.7	298.5	310.0	318.7	318.7	310.6	309.8	312.9	314.5
27,5°	218.8	238.9	257.7	276.8	296.1	315.4	328.9	335.6	334.9	328.2	328.2	328.1	333.0
30,0°	229.1	251.4	273.7	302.4	319.0	329.9	343.0	351.4	352.9	349.2	351.7	347.0	346.1
32,5°	242.1	269.4	295.4	318.6	334.2	353.6	363.1	368.9	375.2	371.5	368.4	360.1	360.1
35,0°	261.7	283.1	310.9	334.7	348.2	363.7	367.7	375.9	382.1	380.9	376.9	366.9	362.4
37,5°	275.0	302.3	328.0	346.9	361.7	374.6	383.0	386.3	384.6	381.1	372.6	362.9	351.7
40,0°	295.9	325.1	348.4	364.7	379.0	389.7	398.2	394.9	389.9	378.8	363.5	351.0	337.2
42,5°	310.6	339.7	375.5	390.8	405.9	417.4	419.7	407.0	389.2	375.6	363.2	351.1	338.1
45,0°	327.0	356.8	401.0	415.5	422.4	435.0	432.0	419.7	398.7	383.6	359.5	333.6	325.0
47,5°	333.9	374.9	416.5	433.1	447.7	461.2	453.6	427.5	405.6	391.2	348.5	311.8	303.8
50,0°	351.3	396.6	428.7	443.8	458.8	467.3	466.8	442.8	412.8	374.7	335.7	302.3	279.2
52,5°	362.8	409.2	447.3	463.6	472.4	479.1	473.9	438.9	404.4	361.4	312.7	270.8	244.5
55,0°	353.5	419.5	480.5	510.4	523.1	504.3	493.2	458.8	414.4	346.1	280.2	243.6	218.3
57,5°	361.3	439.7	516.9	566.3	574.9	547.1	515.9	475.9	416.0	335.6	267.1	224.4	202.3
60,0°	403.1	486.3	580.4	631.1	636.4	593.2	539.7	488.6	417.9	327.6	263.9	223.6	188.6
62,5°	449.9	508.7	568.4	628.4	651.5	613.4	567.9	507.1	419.8	334.7	257.1	208.9	168.8
65,0°	487.4	516.0	556.5	612.9	641.3	617.4	585.9	509.9	425.2	335.5	244.6	189.6	152.1
67,5°	527.6	591.0	639.4	632.8	611.2	592.2	556.2	497.7	413.8	320.6	228.0	170.6	135.9
70,0°	519.1	621.7	715.9	653.5	591.6	551.0	497.6	447.4	379.4	300.9	206.4	151.2	117.8
72,5°	473.8	582.3	687.8	639.5	567.2	504.4	431.3	383.3	340.4	281.0	189.5	101.8	60.1
75,0°	416.3	513.3	580.7	556.3	489.7	409.1	328.8	303.1	269.2	185.1	81.6	28.7	9.7
77,5°	313.0	368.1	399.1	375.0	320.3	276.7	231.0	180.0	107.5	42.5	10.9	3.3	1.9
80,0°	193.3	205.6	211.6	192.3	158.7	133.4	99.0	48.9	15.9	5.9	2.9	2.1	1.5
82,5°	95.8	94.8	91.2	78.0	60.2	46.5	29.0	15.0	7.5	4.3	2.2	1.6	1.2
85,0°	49.4	47.7	46.4	32.8	19.7	17.3	14.3	9.4	4.8	2.7	1.4	1.1	0.8
87,5°	18.5	18.0	17.4	12.3	7.3	6.4	5.3	3.5	1.8	1.0	0.5	0.4	0.3
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		

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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2
2,5°	139.7	139.2	139.3	139.5	139.6	139.5	130.6	129.3	128.1	127.1	125.8	124.4	123.2
5,0°	154.0	153.5	153.4	153.5	154.3	153.9	131.0	128.3	125.8	123.5	120.9	118.8	116.8
7,5°	171.5	172.2	173.4	174.8	176.4	177.3	130.7	127.2	124.0	121.7	119.7	117.5	115.2
10,0°	196.7	199.5	202.4	204.3	207.0	208.0	136.6	134.1	131.0	128.3	124.5	120.1	115.3
12,5°	220.5	223.4	225.6	229.3	233.0	234.6	147.2	140.8	135.1	129.1	123.4	118.9	115.0
15,0°	246.7	246.7	249.3	249.3	247.0	247.3	153.2	144.8	137.0	130.4	123.2	116.0	110.6
17,5°	263.7	263.9	267.0	268.9	268.4	267.3	159.5	150.7	143.2	135.1	124.2	115.1	110.9
20,0°	283.7	287.5	288.9	289.9	287.7	289.6	170.7	158.5	147.2	136.2	123.9	115.3	112.5
22,5°	302.3	308.6	313.5	316.4	314.2	313.1	176.9	161.4	147.0	134.8	124.0	114.1	108.1
25,0°	319.6	325.0	330.2	333.5	335.7	337.5	185.9	167.5	152.7	135.2	120.4	108.9	101.7
27,5°	339.9	342.2	348.2	354.7	358.9	362.7	196.0	175.0	152.2	131.1	115.5	101.5	90.0
30,0°	350.5	354.2	362.3	371.3	380.3	384.6	206.0	181.2	151.3	128.1	109.5	92.6	79.5
32,5°	360.5	358.1	371.9	386.1	389.5	384.4	214.1	182.9	151.7	125.9	103.9	85.8	74.0
35,0°	363.6	363.5	372.6	389.9	389.0	385.7	226.4	187.4	151.1	120.7	97.8	79.7	70.6
37,5°	354.5	356.5	368.3	381.3	381.6	380.0	236.5	195.1	152.6	116.8	91.1	72.8	66.4
40,0°	342.3	347.0	351.6	357.7	363.5	367.5	247.9	206.3	159.2	117.9	90.7	68.7	61.2
42,5°	339.3	336.1	327.7	330.1	331.6	337.6	263.3	212.9	153.9	111.4	86.4	64.7	57.2
45,0°	321.2	313.7	310.4	306.0	304.1	305.7	277.7	214.3	146.6	99.8	80.5	63.4	53.5
47,5°	299.5	281.5	270.1	265.8	264.6	268.8	276.2	206.9	134.0	90.1	74.0	60.8	49.6
50,0°	262.1	248.2	239.5	227.8	224.5	228.3	281.5	200.4	121.7	81.1	68.2	55.1	45.9
52,5°	228.3	216.8	205.2	190.1	185.4	187.8	276.3	188.3	111.8	72.3	59.3	48.0	42.3
55,0°	199.7	185.0	171.8	152.6	152.8	160.7	269.3	182.7	106.3	63.6	51.7	43.1	38.9
57,5°	179.3	152.6	137.0	127.5	126.4	128.8	269.6	179.7	103.7	58.3	47.2	37.3	34.6
60,0°	155.7	127.5	108.3	102.7	97.7	96.2	278.8	174.5	97.1	56.9	46.7	36.8	34.2
62,5°	139.1	107.8	88.5	80.1	72.6	70.1	314.0	183.6	92.8	53.4	43.5	36.4	32.3
65,0°	122.3	92.6	68.8	60.7	55.9	54.0	333.9	186.3	87.0	49.3	42.3	35.8	29.9
67,5°	107.1	75.0	54.9	46.5	43.4	41.7	350.6	188.3	84.1	49.6	41.2	35.2	30.4
70,0°	83.7	49.8	31.3	22.8	20.5	20.3	341.6	190.0	87.1	49.6	40.6	33.1	31.3
72,5°	32.1	13.9	7.4	4.8	4.2	4.1	315.2	174.3	76.4	45.7	37.5	30.4	29.4
75,0°	2.6	1.7	1.5	1.3	1.2	1.2	268.9	148.1	61.6	40.1	35.1	29.3	26.7
77,5°	1.6	1.3	1.1	1.0	1.0	0.9	198.3	104.8	42.7	27.8	26.0	20.9	16.4
80,0°	1.2	1.0	0.8	0.7	0.7	0.7	119.3	59.6	25.9	15.2	13.3	9.2	5.3
82,5°	0.9	0.8	0.6	0.5	0.5	0.5	59.8	24.2	13.5	5.8	4.8	3.5	2.9
85,0°	0.6	0.5	0.4	0.4	0.3	0.3	29.0	8.5	5.3	2.1	2.0	1.9	2.0
87,5°	0.2	0.2	0.2	0.1	0.1	0.1	10.8	3.2	2.0	0.8	0.7	0.7	0.8
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

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Family Streetlight 11 midi LED	Order number: 5XC3K51Y08ME EAN: 4058352991985	LP number 59352_86
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°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	128.2	0.2	0.2
2,5°	121.7	120.7	119.3	118.4	117.6	116.9	116.2	115.4	115.0	114.9	114.6	1.6	1.7
5,0°	114.8	113.1	112.0	110.8	109.7	109.0	108.3	107.7	107.4	107.0	106.8	3.2	4.9
7,5°	112.8	110.1	107.8	105.2	102.4	100.6	99.8	99.2	99.2	99.4	99.0	4.9	9.8
10,0°	111.0	108.1	106.0	104.2	102.2	100.5	98.4	95.8	92.3	90.4	89.5	7.0	16.8
12,5°	110.8	106.9	104.3	101.8	98.8	95.9	93.2	90.1	88.4	87.5	87.5	9.3	26.0
15,0°	106.6	103.0	99.1	94.7	90.0	86.2	83.5	81.4	80.1	79.8	79.9	11.6	37.6
17,5°	107.1	99.8	93.5	88.0	83.4	78.6	74.7	73.0	71.8	70.3	69.1	14.1	51.7
20,0°	109.2	100.0	89.7	83.8	79.9	76.0	71.7	67.3	64.0	62.0	61.1	16.9	68.6
22,5°	102.5	91.8	83.7	78.7	75.2	70.8	68.2	66.2	63.7	61.2	59.8	20.1	88.7
25,0°	95.1	84.8	76.7	72.5	67.6	62.8	60.8	59.7	57.7	57.3	57.7	23.2	112.0
27,5°	84.0	78.9	72.9	68.0	63.2	59.7	57.5	57.1	57.2	56.1	55.5	26.3	138.3
30,0°	72.7	70.2	65.5	61.1	60.2	59.3	57.7	56.9	54.7	53.5	53.6	29.5	167.8
32,5°	68.2	64.3	59.9	57.8	57.7	56.3	53.8	53.1	53.3	54.6	56.2	32.7	200.5
35,0°	64.3	59.7	55.2	54.1	55.3	52.4	49.2	48.4	52.0	54.4	54.1	35.3	235.8
37,5°	60.9	56.9	53.6	52.1	51.2	50.8	50.3	48.5	48.3	48.8	48.6	37.6	273.4
40,0°	57.3	53.2	50.6	49.1	47.0	46.1	47.1	48.1	48.2	45.9	43.8	39.8	313.2
42,5°	53.3	50.2	45.6	45.2	44.9	45.4	45.9	46.0	45.8	44.5	43.9	42.0	355.2
45,0°	50.6	48.2	43.3	43.6	45.2	43.5	45.9	47.8	44.0	43.3	44.1	43.8	399.0
47,5°	43.6	42.9	41.9	41.4	39.4	39.4	41.9	43.2	41.2	40.8	43.5	44.7	443.6
50,0°	41.1	39.3	38.2	40.8	40.1	38.6	39.8	40.6	40.0	40.8	42.8	45.2	488.8
52,5°	40.0	37.3	34.7	37.5	39.3	38.2	37.0	37.3	38.2	38.2	37.5	45.0	533.9
55,0°	36.4	34.1	34.0	35.6	36.0	35.8	35.0	34.6	33.9	33.1	32.3	45.6	579.5
57,5°	34.9	32.7	32.4	32.4	31.9	32.6	32.5	32.0	32.2	31.9	30.9	46.9	626.4
60,0°	33.1	32.7	30.8	29.0	28.2	28.2	29.7	29.3	29.1	28.7	28.4	49.2	675.6
62,5°	28.6	29.9	30.1	27.4	25.9	24.9	25.4	25.9	25.8	24.4	23.2	50.3	725.8
65,0°	26.9	27.0	26.4	23.8	22.4	21.6	21.1	21.7	23.2	22.9	21.2	50.5	776.3
67,5°	27.2	24.7	21.6	20.1	20.1	19.6	18.4	18.1	19.9	20.0	18.7	51.1	827.4
70,0°	28.3	23.8	19.9	17.2	16.8	16.4	14.5	12.9	12.3	11.6	11.0	49.5	876.9
72,5°	26.1	22.1	18.7	12.5	8.3	7.5	6.2	4.8	4.0	3.7	3.6	44.5	921.5
75,0°	22.3	16.3	9.7	4.9	2.6	2.2	2.1	2.0	2.0	1.9	1.9	35.7	957.2
77,5°	11.6	6.0	3.5	2.2	1.7	1.5	1.4	1.3	1.2	1.0	0.7	23.1	980.3
80,0°	3.7	2.8	2.2	1.8	1.4	1.0	0.7	0.7	0.7	0.4	0.1	11.5	991.8
82,5°	2.8	2.2	1.6	1.3	1.0	0.7	0.5	0.4	0.4	0.2	0.1	5.0	996.8
85,0°	2.1	1.5	1.0	0.8	0.6	0.4	0.3	0.2	0.1	0.1	0.1	2.3	999.1
87,5°	0.8	0.6	0.4	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	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

Family Streetlight 11 midi LED	Order number: 5XC3K51Y08ME EAN: 4058352991985	LP number 59352_86
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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	17540	122.7	130.2	126.4
95	241	252	16642	115.1	122.2	118.6
90	229	250	15814	108.3	114.8	111.6
85	216	248	14916	101.2	107.2	104.2
80	203	246	14018	94.2	99.8	97.0
75	190	243	13120	87.4	92.6	90.0
70	178	241	12292	81.3	86.1	83.7
65	165	238	11394	74.7	79.2	77.0
60	152	235	10496	68.3	72.3	70.3
55	140	232	9668	62.5	66.2	64.4
50	127	229	8770	56.1	59.6	57.8
45	114	225	7872	50.0	53.0	51.5
40	102	221	7044	44.5	47.1	45.8
35	89	216	6146	38.7	40.9	39.8
30	76	210	5248	32.9	34.7	33.8
25	63	203	4350	27.2	28.8	28.0
20	51	195	3522	22.1	23.3	22.7
15	38	184	2624	16.7	17.5	17.1
13	33	179	2279	14.7	15.4	15.0