

Photometric test report

Family
Streetlight 11 midi LED

Order number: 5XC3J51Y08ME
EAN: 4058352991916

LP number
59351_86



Version post-top or side-entry mounting, Smart Interface up/down

Optic asymmetric, extremely wide distribution with an additional rear light component (ST1.0ST0.5)

Cover transparent, PMMA

Lamps LED 3000 K | CRI ≥ 70

Controlgear EVG SITECO iQ - Smart Interface

Rated values Net luminous flux = 17650 lm
Power consumption = 122.7 W
Luminous efficacy = 143.8 lm/W

serial
documentation
28.09.2023

siteco

Luminous intensity in cd/klm

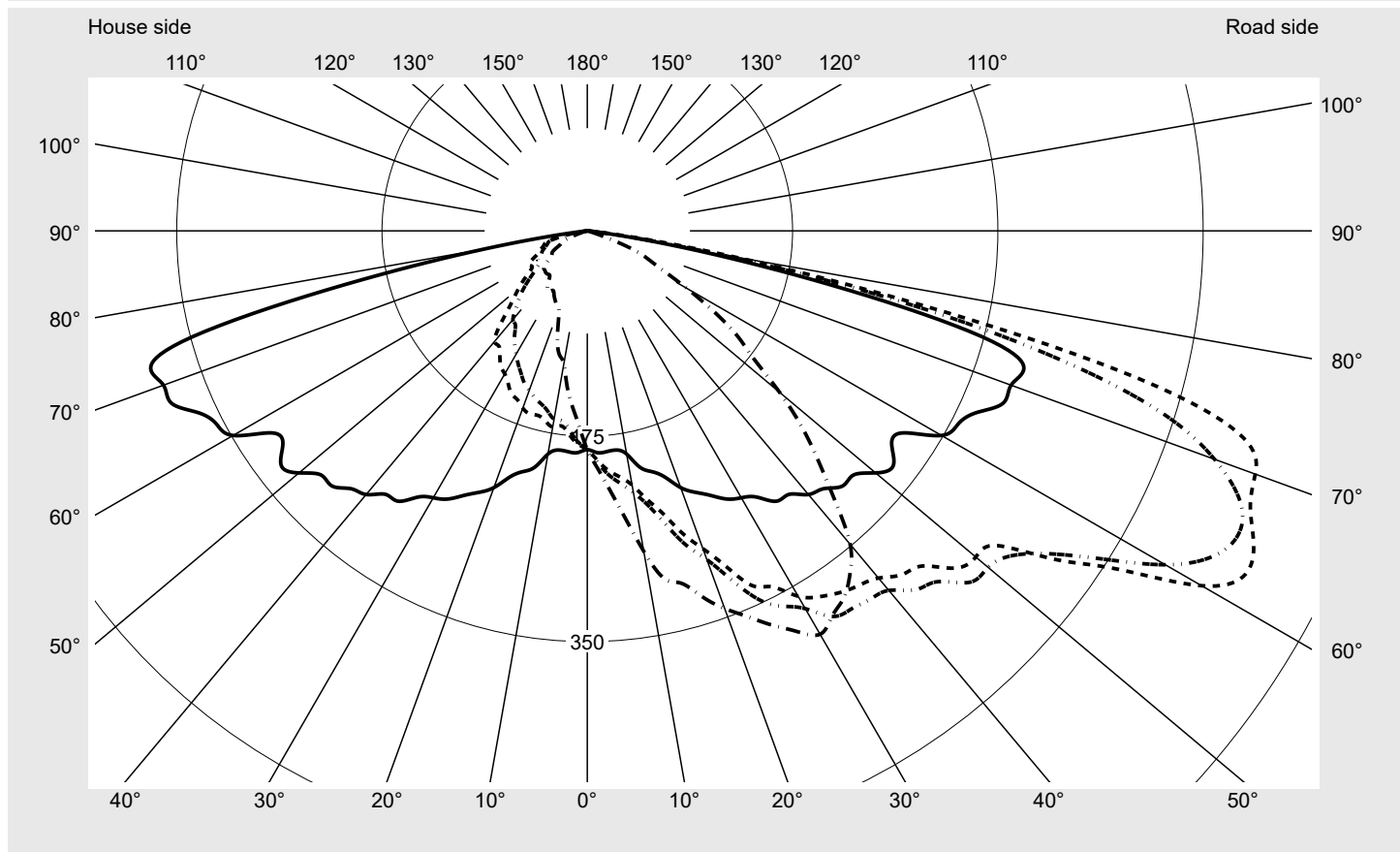
C180-0

C200-20

C205-25

C270-90

Imax: 633 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:	G2
Imax 70°	629.2
Imax 80°	139.7
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

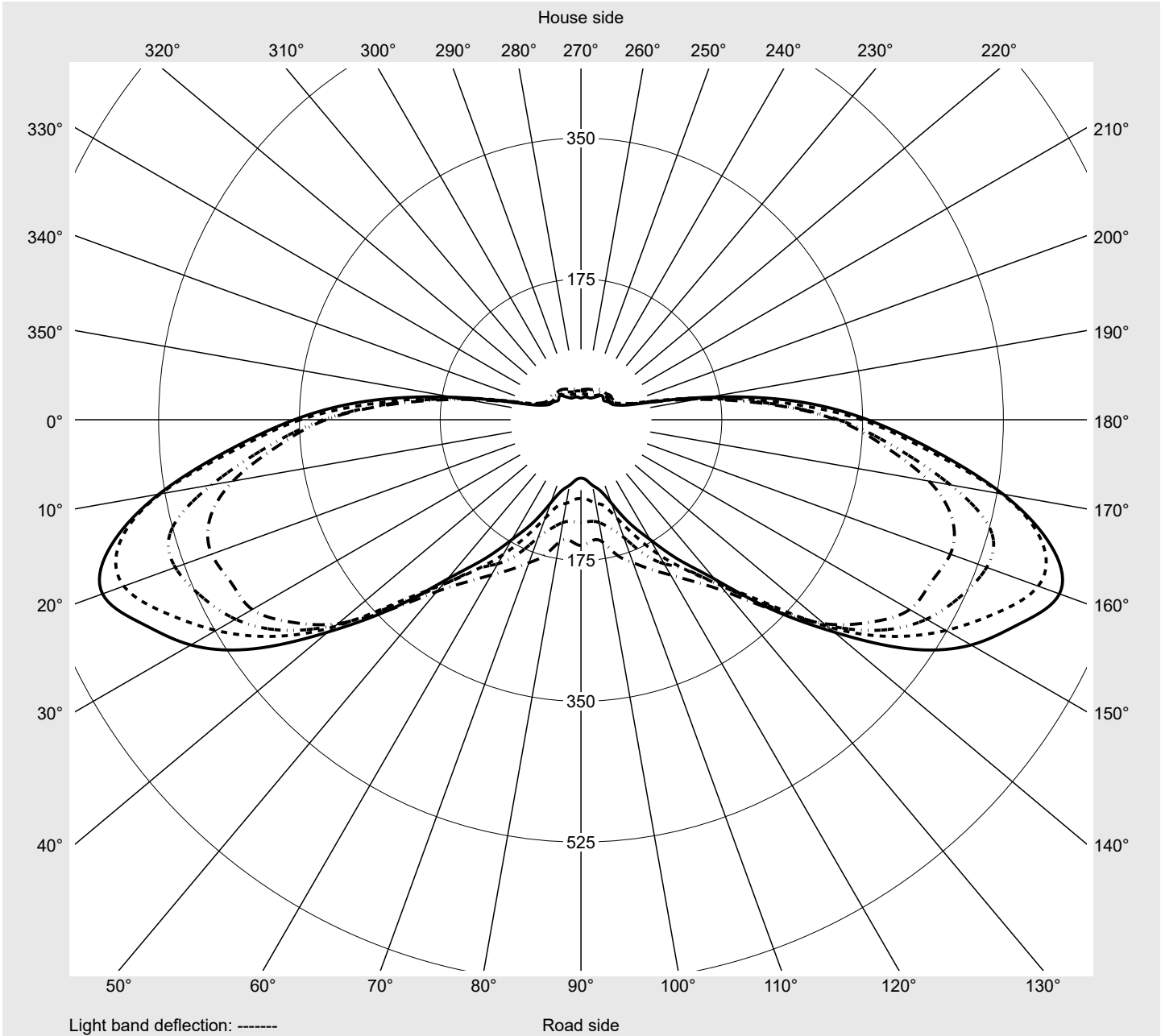
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 11 midi LED	Order number: 5XC3J51Y08ME EAN: 4058352991916	LP number 59351_86
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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°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2,5°	189.1	190.8	192.7	194.2	195.7	197.2	198.8	199.9	200.6	201.1	201.8	202.5	202.8
5,0°	188.9	193.0	197.2	201.2	204.8	208.6	212.0	214.5	216.9	219.2	220.0	220.3	221.0
7,5°	188.4	193.0	199.3	205.4	211.4	217.1	223.0	227.3	229.9	231.8	232.7	234.3	237.2
10,0°	193.1	198.8	206.8	213.9	219.9	226.4	232.6	239.3	244.2	249.3	254.5	257.4	260.7
12,5°	206.1	214.5	220.8	229.0	234.2	239.5	247.4	255.4	263.7	269.7	275.8	281.1	282.8
15,0°	212.4	223.0	233.6	241.8	249.4	259.1	265.4	271.2	278.7	287.0	296.3	302.5	306.5
17,5°	220.0	234.8	248.9	260.3	270.3	281.0	287.0	292.5	297.2	298.8	300.7	308.4	316.0
20,0°	232.8	246.6	256.8	271.0	288.2	298.1	309.0	320.0	321.0	323.0	320.5	321.7	328.5
22,5°	241.1	260.5	276.3	292.4	309.7	322.2	331.0	340.9	346.7	342.2	337.7	339.5	342.2
25,0°	248.7	270.3	293.7	315.2	333.7	346.8	356.0	365.1	365.2	355.8	353.6	354.5	353.5
27,5°	257.6	281.7	302.6	322.4	342.0	360.6	372.8	377.7	374.3	365.9	364.2	362.2	365.3
30,0°	262.6	288.5	312.2	342.2	359.5	371.7	384.8	388.7	385.2	379.7	380.1	374.5	372.6
32,5°	269.0	299.5	326.2	351.9	369.5	389.5	398.3	399.7	400.6	394.7	389.4	382.1	383.0
35,0°	281.2	304.9	333.4	360.8	376.1	393.0	396.5	399.9	400.2	397.3	392.2	383.8	382.1
37,5°	282.9	313.2	341.0	363.0	380.7	395.8	404.2	405.6	399.2	394.3	385.1	377.4	370.1
40,0°	293.3	324.4	349.0	369.5	386.2	399.9	411.5	406.9	400.5	388.2	373.4	363.7	354.4
42,5°	298.0	325.8	359.6	379.7	397.3	414.7	420.3	411.0	393.5	382.0	371.4	360.9	349.4
45,0°	307.6	333.9	374.0	394.1	403.9	422.7	423.7	415.2	397.5	386.4	366.4	340.7	330.5
47,5°	307.9	346.6	385.6	408.8	425.3	443.0	438.7	417.3	399.5	392.0	354.4	317.1	306.5
50,0°	320.8	363.3	394.0	416.7	432.3	445.9	447.4	426.9	402.0	371.5	339.7	306.2	280.5
52,5°	328.8	373.5	413.5	436.4	440.5	455.0	453.5	419.4	386.4	352.0	313.5	273.9	247.9
55,0°	316.8	378.8	439.2	477.8	488.5	479.6	471.8	438.8	394.3	332.9	278.8	245.8	222.9
57,5°	320.3	392.1	466.4	526.9	536.6	520.2	495.9	455.9	396.4	325.1	268.5	227.1	206.7
60,0°	348.7	432.1	530.9	593.9	604.8	569.0	523.8	469.6	400.2	320.2	267.7	227.7	193.6
62,5°	356.4	440.6	532.7	604.8	632.9	600.9	560.0	496.4	410.7	332.0	258.8	212.8	172.3
65,0°	366.3	443.3	517.3	584.8	626.7	612.3	587.0	509.4	423.9	335.1	243.0	190.5	156.0
67,5°	383.7	483.7	552.0	599.5	611.8	602.4	564.6	502.1	415.0	323.2	230.4	170.4	139.3
70,0°	384.5	510.1	619.9	629.2	605.9	569.0	499.5	446.2	376.6	305.7	212.8	153.8	121.9
72,5°	390.2	514.5	629.8	623.0	586.5	511.7	425.7	373.8	335.1	287.0	199.2	105.2	63.2
75,0°	348.2	447.8	521.6	521.4	487.1	406.3	322.5	296.1	262.0	185.8	87.8	31.9	11.7
77,5°	212.1	289.8	322.0	319.4	290.5	260.8	217.4	169.2	100.5	41.0	13.2	4.9	3.3
80,0°	89.2	118.6	134.9	139.7	125.2	107.6	78.1	36.2	11.2	4.3	3.3	3.1	2.4
82,5°	17.9	22.7	26.1	30.7	31.1	21.8	8.8	2.6	2.1	1.9	1.8	1.7	1.6
85,0°	1.5	1.6	1.6	1.6	1.7	1.6	1.4	1.3	1.3	1.2	1.1	1.0	0.9
87,5°	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5
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



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°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2,5°	202.5	202.1	202.5	202.6	202.6	202.6	187.3	185.4	183.6	181.9	180.1	178.0	176.6
5,0°	221.0	220.8	221.0	221.5	222.4	221.8	185.5	181.6	178.1	174.4	170.7	167.4	164.1
7,5°	239.3	240.4	242.0	243.9	245.6	246.6	183.0	177.6	172.3	167.7	163.4	159.3	155.2
10,0°	263.9	267.0	270.9	273.3	276.4	277.2	187.4	182.0	175.8	169.7	162.8	156.0	149.3
12,5°	285.7	289.2	292.2	297.0	301.3	303.4	196.2	185.7	175.5	165.7	157.0	150.2	143.8
15,0°	308.6	308.6	312.1	312.9	310.6	311.0	200.7	187.3	174.0	162.8	152.5	142.7	134.3
17,5°	320.2	320.9	325.5	328.5	328.1	327.1	205.6	190.7	176.9	163.4	149.0	136.4	126.7
20,0°	334.6	339.0	341.4	342.8	340.5	342.5	214.0	195.6	177.6	160.7	144.5	131.9	121.0
22,5°	347.0	353.5	357.9	360.0	357.2	355.5	216.2	194.8	173.9	155.7	140.2	126.0	113.6
25,0°	358.3	363.1	366.4	368.2	369.2	370.3	221.5	196.9	176.1	153.0	133.7	118.2	106.4
27,5°	370.6	372.0	376.1	380.8	383.1	384.5	228.0	200.2	172.0	146.2	127.7	111.4	96.3
30,0°	375.2	377.8	383.2	389.6	395.7	396.9	232.8	201.5	167.3	140.7	121.0	103.2	87.4
32,5°	381.9	378.9	387.4	397.0	396.9	388.8	235.0	197.9	164.2	137.0	115.2	97.2	83.2
35,0°	381.1	379.9	381.2	392.0	387.5	381.5	240.3	196.6	159.5	129.9	108.0	91.5	79.9
37,5°	369.1	368.3	371.8	377.7	373.1	368.0	240.4	196.5	155.8	123.8	100.7	86.0	76.3
40,0°	354.0	354.2	350.6	349.4	349.3	348.6	242.4	200.0	157.4	123.0	98.6	81.5	71.0
42,5°	345.7	338.7	323.3	319.1	313.5	313.2	248.0	198.0	145.5	111.5	90.0	73.1	65.3
45,0°	323.5	313.1	303.9	294.4	284.5	279.7	254.9	191.5	132.5	96.3	82.5	68.2	61.4
47,5°	299.7	280.2	265.2	258.0	250.1	248.9	246.4	178.1	117.4	85.1	74.5	64.4	57.1
50,0°	262.5	247.2	236.7	223.4	214.2	214.0	248.1	166.3	99.4	76.5	65.2	58.1	53.2
52,5°	232.0	219.3	205.9	189.3	179.9	178.8	239.2	152.3	88.0	67.8	56.8	51.5	50.0
55,0°	205.2	189.2	174.4	154.3	151.1	156.3	229.5	145.0	81.4	59.3	50.8	47.4	46.8
57,5°	183.6	155.7	139.4	129.7	126.9	127.9	234.6	151.5	86.0	56.0	47.7	43.3	42.7
60,0°	159.2	130.1	110.8	105.5	99.8	97.9	248.1	157.2	87.1	57.8	48.8	43.4	42.2
62,5°	141.2	110.0	90.9	82.9	75.2	72.6	266.5	161.1	79.6	52.8	44.4	41.8	39.5
65,0°	124.5	94.9	71.3	63.6	59.2	57.7	266.3	153.7	69.4	46.8	42.7	40.1	36.6
67,5°	109.6	77.4	57.6	49.5	46.6	45.1	261.3	139.7	59.8	43.9	40.1	38.8	36.2
70,0°	86.5	52.3	33.9	25.7	23.5	23.4	247.9	129.2	56.0	40.5	37.4	35.9	35.7
72,5°	34.2	16.1	9.8	7.3	6.8	6.6	246.9	131.3	48.5	38.4	35.3	32.2	33.0
75,0°	4.4	3.5	3.5	3.4	3.3	3.2	219.3	115.7	37.6	34.7	33.1	30.0	29.0
77,5°	2.9	2.7	2.7	2.6	2.5	2.4	142.4	71.2	23.6	24.1	24.8	21.6	18.3
80,0°	2.2	2.1	1.9	1.8	1.7	1.7	58.6	31.9	12.4	12.7	12.4	9.6	6.4
82,5°	1.5	1.4	1.3	1.2	1.1	1.1	12.1	7.1	4.0	4.1	3.7	3.1	2.9
85,0°	0.8	0.8	0.7	0.7	0.6	0.6	1.4	1.3	1.2	1.1	1.1	1.0	1.0
87,5°	0.4	0.3	0.3	0.3	0.2	0.2	0.8	0.7	0.7	0.6	0.6	0.6	0.5
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
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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°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	0.3	0.3
2,5°	174.6	173.3	171.4	170.1	169.3	168.4	167.7	166.7	166.2	166.1	165.7	2.2	2.5
5,0°	160.8	158.2	156.6	154.8	153.3	152.2	151.2	150.6	150.2	149.6	149.4	4.5	7.0
7,5°	151.8	148.3	145.2	142.0	138.4	135.9	134.3	133.2	132.9	133.1	132.8	6.8	13.8
10,0°	143.7	139.6	136.5	133.7	130.7	128.0	125.1	122.0	118.0	116.0	115.0	9.3	23.1
12,5°	137.2	131.3	127.0	123.9	120.4	117.3	114.4	111.1	109.5	108.7	108.6	12.0	35.0
15,0°	127.3	121.0	115.1	110.1	105.7	102.3	100.1	98.6	98.0	98.1	98.4	14.6	49.6
17,5°	118.0	109.9	104.1	99.2	95.2	90.5	86.8	85.5	84.8	83.6	82.4	17.3	66.9
20,0°	110.9	103.7	96.9	92.5	89.0	85.4	81.1	76.8	73.5	71.6	70.7	20.2	87.2
22,5°	103.0	94.1	88.7	85.5	83.1	79.1	76.5	74.5	71.9	69.3	67.9	23.4	110.5
25,0°	96.0	86.9	80.9	78.4	74.7	70.5	68.9	67.6	65.5	64.8	65.0	26.4	137.0
27,5°	87.5	82.5	77.8	73.4	69.0	66.1	64.3	63.6	63.5	62.2	61.4	29.3	166.3
30,0°	78.4	75.5	71.2	66.7	65.6	65.1	63.9	62.5	59.9	58.6	58.6	32.3	198.6
32,5°	75.4	70.7	66.4	64.0	63.9	62.1	59.3	58.3	58.2	59.6	61.4	35.1	233.7
35,0°	72.4	67.2	62.5	61.0	61.9	58.3	54.6	53.3	56.7	59.4	59.4	37.4	271.1
37,5°	69.3	65.1	62.1	59.7	58.1	57.1	56.3	53.9	53.2	54.1	54.3	39.2	310.3
40,0°	66.3	62.2	60.1	57.4	54.3	52.9	53.5	53.8	53.6	51.5	49.8	40.7	351.0
42,5°	62.8	60.2	55.7	54.3	52.9	52.6	52.5	52.3	51.9	50.5	50.0	42.0	393.0
45,0°	60.6	58.5	53.8	53.1	53.7	51.0	52.6	54.2	50.4	49.4	50.1	43.1	436.1
47,5°	54.0	53.6	52.7	51.3	48.2	47.0	48.3	49.3	47.4	46.7	49.3	43.6	479.7
50,0°	52.0	50.4	49.2	50.8	48.9	46.0	45.8	46.3	45.8	46.3	48.3	43.8	523.5
52,5°	51.1	48.7	45.8	47.3	47.6	45.0	42.5	42.6	43.4	43.4	42.8	43.5	566.9
55,0°	47.2	45.4	45.0	45.0	43.7	42.0	39.9	39.3	38.5	37.8	37.4	43.8	610.7
57,5°	44.8	43.4	43.0	41.4	39.0	38.2	36.8	36.0	36.1	36.1	35.7	45.0	655.8
60,0°	42.0	42.4	40.9	37.6	34.7	33.2	33.3	32.6	32.4	32.3	32.8	47.5	703.2
62,5°	37.1	38.9	39.3	35.3	32.1	29.7	29.1	29.1	28.8	27.7	27.0	48.5	751.7
65,0°	35.0	35.2	34.6	30.8	27.9	26.1	24.6	24.8	26.0	25.8	24.4	48.3	800.0
67,5°	34.2	31.7	28.6	25.9	24.9	23.5	21.3	20.8	22.4	22.6	21.4	48.0	848.0
70,0°	34.1	29.7	25.8	22.2	21.0	19.9	17.3	15.5	14.7	13.8	13.3	46.3	894.3
72,5°	30.6	27.0	23.4	16.9	12.4	11.0	9.2	7.4	6.3	5.8	5.6	42.4	936.8
75,0°	25.7	20.1	13.4	8.6	6.4	5.5	5.0	4.5	4.1	3.8	3.7	33.5	970.2
77,5°	14.2	9.2	6.7	5.4	4.9	4.5	4.1	3.8	3.3	3.0	2.9	19.7	989.9
80,0°	5.1	5.0	4.8	4.3	4.0	3.6	3.2	2.8	2.5	2.2	2.0	7.8	997.7
82,5°	3.0	3.1	3.2	3.2	3.0	2.8	2.4	2.0	1.7	1.5	1.4	1.8	999.5
85,0°	1.0	1.0	1.2	1.5	1.6	1.6	1.5	1.2	0.9	0.7	0.6	0.3	999.9
87,5°	0.5	0.5	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.1	0.1	0.1	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

Photometric test report

Family Streetlight 11 midi LED	Order number: 5XC3J51Y08ME EAN: 4058352991916	LP number 59351_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	17650	122.7	130.2	126.4
95	241	252	16747	115.1	122.2	118.6
90	229	250	15913	108.3	114.8	111.6
85	216	248	15009	101.2	107.2	104.2
80	203	246	14106	94.2	99.8	97.0
75	190	243	13203	87.4	92.6	90.0
70	178	241	12369	81.3	86.1	83.7
65	165	238	11466	74.7	79.2	77.0
60	152	235	10562	68.3	72.3	70.3
55	140	232	9728	62.5	66.2	64.4
50	127	229	8825	56.1	59.6	57.8
45	114	225	7922	50.0	53.0	51.5
40	102	221	7088	44.5	47.1	45.8
35	89	216	6184	38.7	40.9	39.8
30	76	210	5281	32.9	34.7	33.8
25	63	203	4378	27.2	28.8	28.0
20	51	195	3544	22.1	23.3	22.7
15	38	184	2641	16.7	17.5	17.1
13	33	179	2293	14.7	15.4	15.0