

Photometric test report

Family
Streetlight 11 mini LED



Order number: 5XC2AC1Y08HE
EAN: 4069025078810

Version

Optic

Cover

Lamps

Controlgear

Setting

Rated values

post-top or side-entry mounting, Colour Switch

asymmetric, wide distribution (ST1.2a)

transparent, PMMA

LED 4000 K | CRI ≥ 70

EVG SITECO iQ - Smart Interface

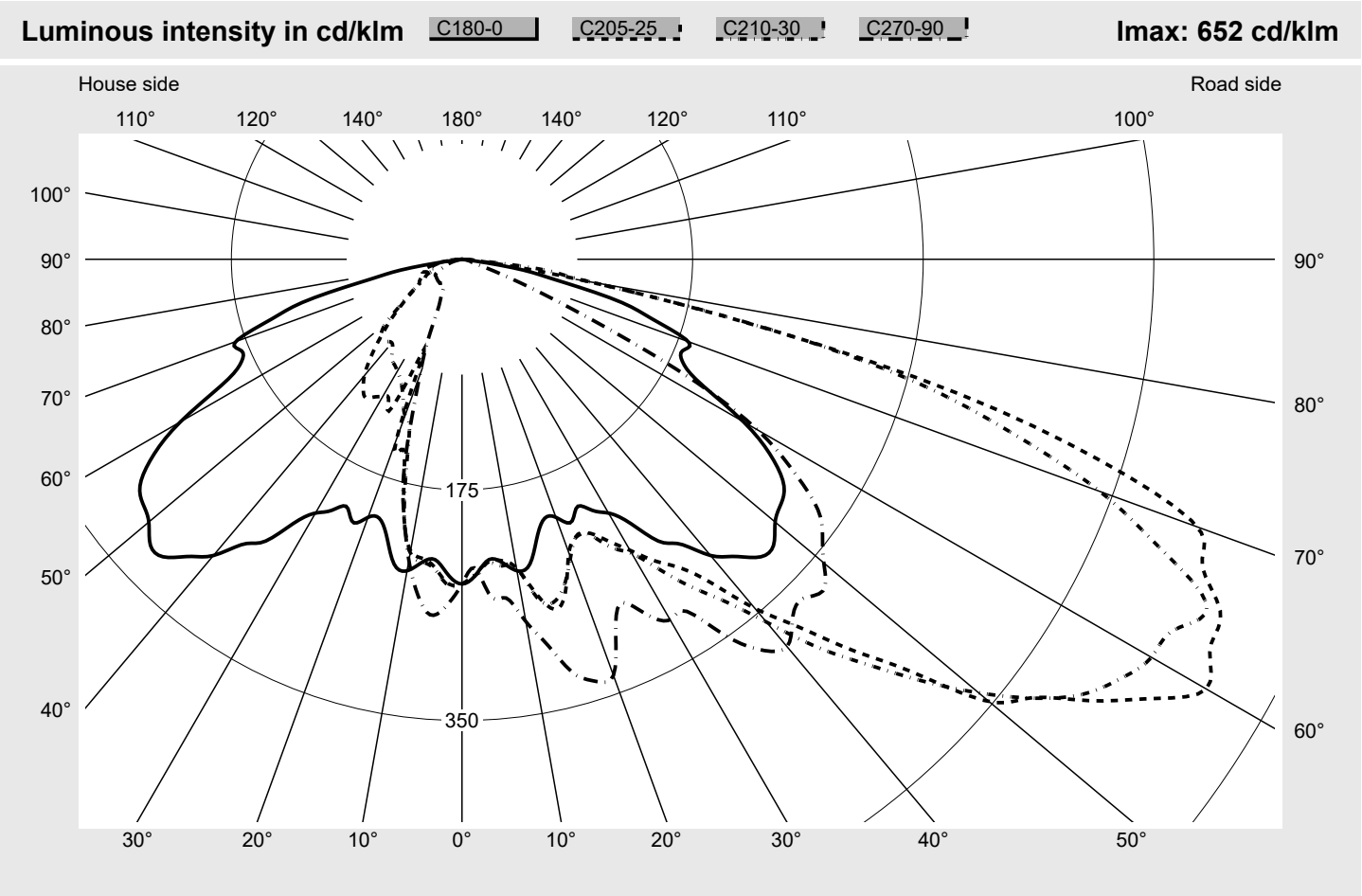
individual position

Net luminous flux = 8890 lm
Power consumption = 63.2 W
Luminous efficacy = 140.7 lm/W

LP number
58293_514

serial
documentation
24.06.2024

siteco



Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	593.9
Eta 90° - 180°	0.0%	Imax 80°	98.9
Measurement conditions		Imax 90°	0.0
		Imax >90°	0.0
		Imax >95°	0.0
		DIN EN 13032 and DIN 5032	

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Envelope curve in cd/klm

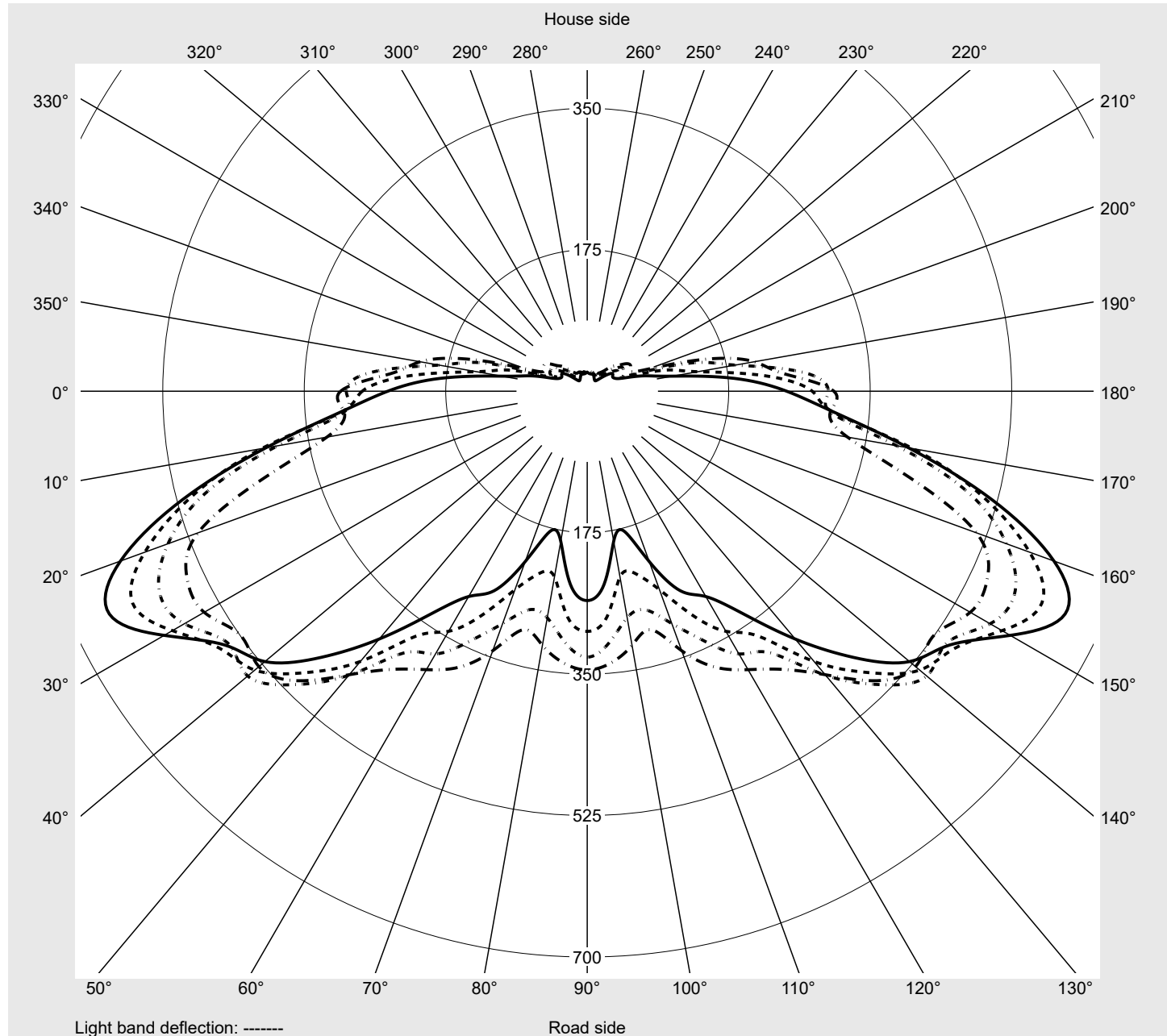
KMK 60°

KMK 57.5°

KMK 55°

KMK 52.5°

siteco



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Family Streetlight 11 mini LED	Order number: 5XC2AC1Y08HE EAN: 4069025078810	LP number 58293_514
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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Family Streetlight 11 mini LED	Order number: 5XC2AC1Y08HE EAN: 4069025078810	LP number 58293_514
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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		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: 5XC2AC1Y08HE EAN: 4069025078810	LP number 58293_514
Dimming levels table		environmental temperature: 25°C

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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	8890	63.2	66.6	64.9
95	241	252	8435	59.2	62.3	60.8
90	229	250	8015	55.6	58.5	57.0
85	216	248	7560	51.8	54.6	53.2
80	203	246	7105	48.2	50.7	49.4
75	190	243	6650	44.8	47.1	46.0
70	178	241	6230	41.6	43.7	42.7
65	165	238	5775	38.2	40.2	39.2
60	152	235	5320	34.8	36.7	35.8
55	140	232	4900	31.8	33.6	32.7
50	127	229	4445	28.8	30.1	29.4
45	114	225	3990	25.6	26.9	26.2
40	102	221	3570	22.9	24.0	23.4
35	89	216	3115	20.0	20.9	20.4
30	76	210	2660	17.3	18.1	17.7
25	63	203	2205	14.6	15.2	14.9
20	51	195	1785	12.3	12.8	12.6
15	38	184	1330	9.8	10.1	10.0
10	25	169	875	7.3	7.5	7.4
9	22	164	770	6.8	7.0	6.9