

## Photometric test report

Family  
**LANTERN LED**

Order number: **5XA5255RF14H**  
EAN: **4058352833667**

LP number  
**57123\_25**



**Version** post-top- or mounting to wall arm  
**Optic** direct, symmetric wide distribution  
C120006  
**Cover** cover transparent, PMMA  
**Lamps** LED 4000 K | CRI ≥ 70  
**Controlgear** ECG SITECO iQ  
**Rated values** Net luminous flux = 2970 lm  
Power consumption = 18.5 W  
Luminous efficacy = 160.5 lm/W

serial  
documentation  
24.02.2023

siteco

Luminous intensity in cd/klm

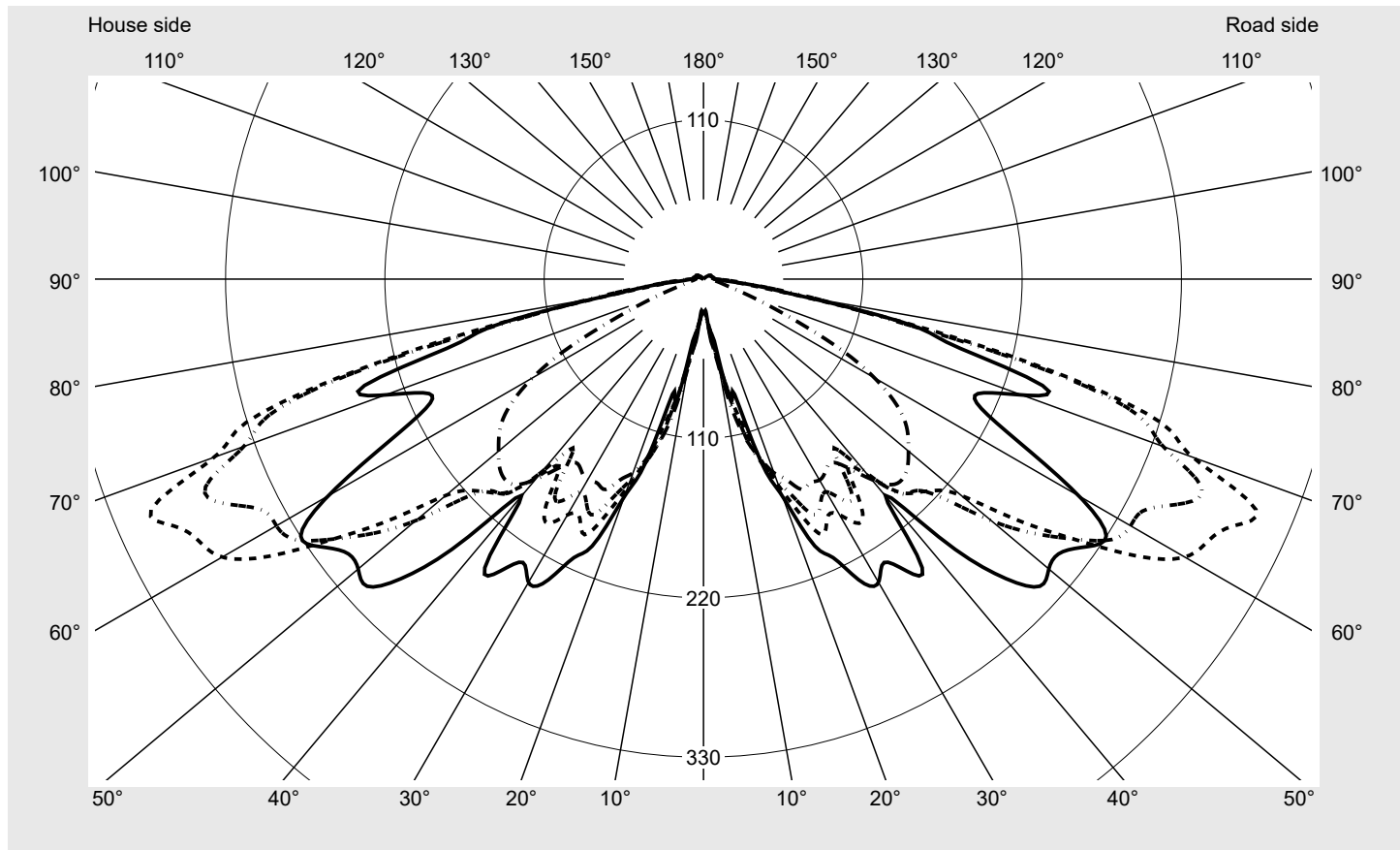
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 412 cd/klm**



### Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	97.7%
Eta 90° - 180°	2.3%

### Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	359.4
Imax 80°	84.8
Imax 90°	8.1
Imax >90°	7.7
Imax >95°	7.3

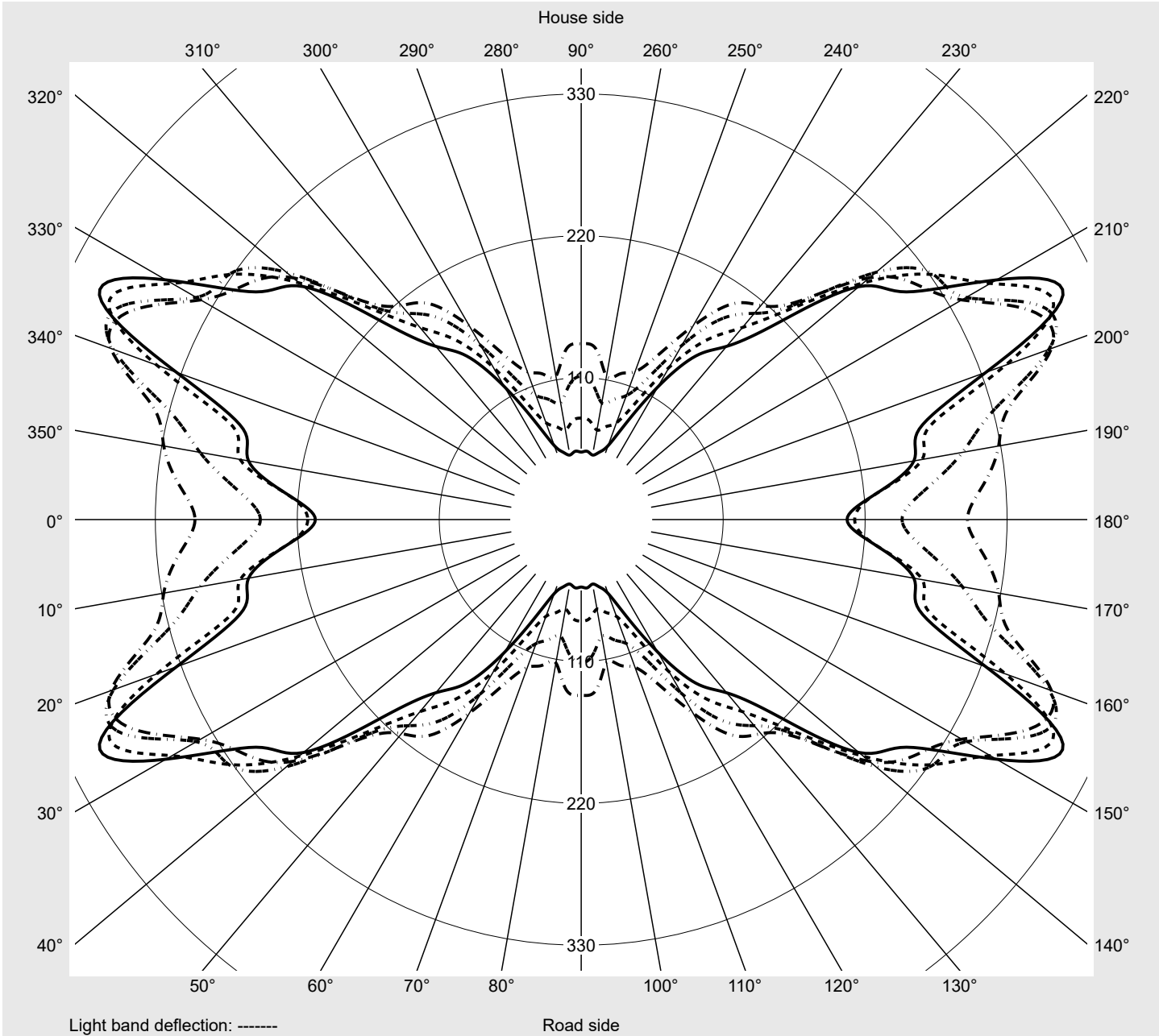
### Measurement conditions

DIN EN 13032 and DIN 5032

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**Envelope curve in cd/klm**      **KMK 67.5°**    **KMK 65°**    **KMK 62.5°**    **KMK 60°**      **siteco**



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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
Luminous intensity in cd/klm										
γ										
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
2,5°	22.3	22.4	22.4	22.5	22.7	22.8	22.8	22.9	23.1	23.3
5,0°	26.2	26.3	26.6	27.0	27.6	28.3	29.1	29.3	29.2	28.8
7,5°	45.4	44.5	42.2	39.5	38.3	37.0	36.0	35.7	36.4	36.7
10,0°	44.4	46.4	49.6	55.4	57.8	59.4	56.9	56.8	60.0	61.7
12,5°	85.8	78.3	87.5	81.1	88.5	82.4	80.0	81.9	80.1	82.7
15,0°	81.5	94.7	111.1	98.0	97.9	103.3	113.0	120.5	115.1	111.0
17,5°	132.6	127.6	125.6	129.7	134.7	129.6	132.5	127.4	126.5	129.0
20,0°	159.6	167.7	161.0	165.0	175.5	152.2	147.7	139.7	133.6	130.8
22,5°	198.1	200.8	194.8	196.1	182.5	176.5	163.1	149.2	139.2	132.5
25,0°	212.3	211.4	203.6	204.0	195.3	194.6	179.5	167.3	149.5	137.6
27,5°	235.2	226.7	216.5	204.9	197.4	185.3	174.9	164.0	159.7	152.9
30,0°	241.7	235.8	229.9	212.6	201.8	187.9	169.5	160.2	164.7	165.6
32,5°	232.0	224.3	219.2	213.4	205.4	199.8	181.3	166.6	169.1	180.5
35,0°	246.8	244.3	223.7	211.2	201.5	188.8	177.0	166.2	163.6	167.0
37,5°	245.4	236.3	223.8	199.3	189.6	163.5	147.5	158.1	170.6	177.8
40,0°	195.3	182.5	182.4	181.5	180.8	177.8	173.7	179.2	188.9	195.4
42,5°	243.7	238.2	219.3	213.2	208.6	199.3	200.6	201.9	196.3	207.9
45,0°	290.0	294.0	275.9	254.2	238.8	208.2	206.6	218.4	219.5	218.0
47,5°	314.1	322.8	312.8	287.9	254.2	216.1	223.3	233.4	240.6	231.7
50,0°	311.3	327.0	341.1	302.7	270.6	232.3	259.2	262.8	250.8	241.5
52,5°	310.4	326.0	333.8	313.8	294.2	273.3	288.5	289.4	262.4	242.9
55,0°	322.2	335.3	331.1	336.2	328.1	313.5	313.0	299.7	272.9	244.6
57,5°	329.7	342.2	335.8	347.3	365.2	356.2	334.5	304.7	279.7	245.3
60,0°	299.3	313.0	328.5	344.7	387.8	383.7	340.6	317.5	291.6	239.8
62,5°	248.6	267.9	300.0	332.0	385.7	392.4	344.4	332.2	298.2	236.6
65,0°	211.9	229.3	268.4	279.6	350.0	403.3	366.1	331.3	285.5	231.9
67,5°	206.0	229.2	261.8	271.2	333.8	411.9	371.6	307.7	280.9	215.5
70,0°	233.8	249.6	267.9	277.1	307.5	359.4	337.6	289.7	245.5	194.4
72,5°	246.6	248.3	247.9	269.1	303.7	332.7	316.0	255.0	194.3	157.8
75,0°	181.5	194.1	215.2	225.7	256.8	257.6	250.4	183.7	128.1	107.7
77,5°	147.4	142.9	141.5	155.3	164.2	154.3	141.1	102.7	86.8	75.9
80,0°	72.2	64.8	70.5	84.8	74.9	70.1	81.3	71.4	59.3	42.9
82,5°	40.1	38.0	39.3	49.9	37.7	33.4	43.6	50.0	38.9	26.2
85,0°	17.2	17.4	18.0	20.6	18.0	20.2	25.8	28.5	17.0	14.5
87,5°	11.8	11.8	12.2	12.9	13.0	13.4	14.6	13.3	12.0	9.4
90,0°	8.1	8.0	7.9	8.0	7.8	7.7	7.6	7.5	7.3	7.1
92,5°	7.7	7.7	7.6	7.5	7.5	7.3	7.2	7.1	6.9	6.9
95,0°	7.3	7.3	7.4	7.4	7.2	7.2	7.0	6.9	6.8	6.7
97,5°	7.1	7.3	7.1	7.1	7.0	6.8	6.7	6.7	6.6	6.5
100,0°	6.9	6.9	6.7	6.7	6.7	6.6	6.4	6.3	6.4	6.2
102,5°	6.5	6.5	6.4	6.3	6.3	6.2	6.0	6.0	6.0	5.9
105,0°	6.1	6.1	6.1	5.9	5.9	5.9	5.9	5.7	5.7	5.6
107,5°	5.9	5.9	5.9	5.9	5.8	5.8	5.5	5.5	5.5	5.5
110,0°	5.7	5.8	5.8	5.7	5.7	5.5	5.5	5.5	5.5	5.5

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>



C-planes	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-zone	Total Phi-zone
	130°	125°	120°	115°	110°	105°	100°	95°			
	230°	235°	240°	245°	250°	255°	260°	265°	270°		
	310°	305°	300°	295°	290°	285°	280°	275°			
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	0.0	0.0
2,5°	23.4	23.4	23.3	23.3	23.6	23.5	23.5	23.4	23.5	0.3	0.3
5,0°	28.6	28.7	28.9	29.9	29.9	29.4	29.5	29.6	29.6	0.7	1.0
7,5°	36.8	38.0	39.2	41.7	42.8	41.8	41.7	42.9	42.8	1.4	2.4
10,0°	61.4	60.0	60.5	59.3	58.6	61.2	61.2	62.0	62.7	2.8	5.2
12,5°	78.6	75.2	73.5	73.2	76.5	81.1	84.8	92.4	93.1	4.8	10.0
15,0°	107.8	111.6	106.3	99.3	98.3	100.4	107.0	111.4	115.2	7.5	17.5
17,5°	125.7	122.1	120.1	117.9	119.3	122.7	128.8	129.6	129.8	10.4	28.0
20,0°	132.7	134.8	131.9	130.7	126.5	125.0	133.3	138.1	142.3	13.4	41.4
22,5°	135.1	139.0	140.2	140.0	136.4	131.4	144.5	148.8	149.9	16.5	57.8
25,0°	137.2	143.9	148.5	151.5	150.1	140.3	150.8	160.0	160.2	19.4	77.2
27,5°	147.5	150.9	158.7	161.3	161.8	145.4	148.4	159.6	158.8	21.9	99.1
30,0°	163.9	159.8	162.9	167.8	164.0	146.9	143.0	159.0	160.2	24.3	123.5
32,5°	186.5	177.3	169.5	171.4	167.1	151.1	139.9	156.7	156.9	26.8	150.2
35,0°	177.4	181.3	175.3	175.8	175.5	158.7	144.2	155.5	154.5	28.7	179.0
37,5°	184.7	195.3	192.5	185.8	181.6	162.8	146.9	163.8	164.5	30.5	209.4
40,0°	194.3	203.1	204.6	192.0	186.0	169.5	156.1	178.2	180.5	32.4	241.9
42,5°	210.8	207.3	208.0	199.0	189.4	182.0	162.0	191.4	192.4	37.6	279.4
45,0°	222.8	216.5	213.0	208.4	193.1	188.9	166.1	193.9	194.7	42.8	322.3
47,5°	231.8	228.2	219.1	209.8	191.3	187.4	164.1	190.3	191.2	47.1	369.4
50,0°	242.5	234.5	217.7	202.8	183.1	180.7	159.9	183.9	184.7	50.6	420.1
52,5°	244.5	235.6	213.2	189.1	170.0	170.0	154.5	177.0	178.0	53.4	473.5
55,0°	240.5	231.2	202.7	173.9	155.9	157.0	144.9	167.1	169.3	56.1	529.6
57,5°	233.1	222.2	191.4	158.0	140.0	139.8	131.0	151.9	155.5	58.1	587.6
60,0°	216.7	204.1	173.2	140.5	122.0	117.0	112.8	132.6	136.3	57.8	645.4
62,5°	208.7	190.1	155.8	120.1	102.3	96.3	91.9	104.9	111.1	55.9	701.4
65,0°	194.4	170.1	136.3	100.0	79.9	74.6	70.5	76.8	78.7	52.4	753.7
67,5°	175.3	154.8	118.7	82.6	61.0	54.0	50.8	53.1	52.3	50.1	803.9
70,0°	157.9	135.4	96.9	67.6	46.9	34.1	33.2	33.4	34.3	46.8	850.6
72,5°	127.3	110.1	79.6	52.5	37.8	24.4	21.9	21.0	21.7	42.6	893.2
75,0°	102.8	95.5	69.0	40.0	23.3	18.6	16.3	15.2	15.2	33.8	927.0
77,5°	77.0	79.2	58.3	29.9	16.3	14.0	12.8	12.0	12.0	23.0	950.0
80,0°	35.0	38.6	26.9	13.2	11.0	10.3	9.9	9.4	9.5	12.2	962.2
82,5°	18.8	13.8	11.0	9.4	8.6	8.1	7.7	7.6	7.5	7.0	969.3
85,0°	10.0	9.4	8.6	7.9	7.3	7.2	6.9	6.5	6.5	3.9	973.1
87,5°	8.4	8.0	7.4	7.0	6.6	6.4	6.2	6.1	5.9	2.7	975.8
90,0°	6.9	6.8	6.5	6.5	6.1	5.9	5.7	5.7	5.3	1.9	977.8
92,5°	6.7	6.7	6.5	6.4	6.0	6.0	5.7	5.7	5.3	1.9	979.6
95,0°	6.5	6.5	6.4	6.1	5.9	5.8	5.7	5.5	5.3	1.8	981.4
97,5°	6.4	6.3	6.1	6.1	5.9	5.7	5.7	5.3	5.3	1.7	983.1
100,0°	6.1	6.1	6.1	5.7	5.5	5.5	5.4	5.3	5.1	1.7	984.8
102,5°	5.7	5.7	5.7	5.5	5.3	5.2	5.1	4.9	4.7	1.5	986.3
105,0°	5.5	5.5	5.4	5.3	5.1	5.1	4.9	4.7	4.5	1.5	987.8
107,5°	5.5	5.3	5.2	5.1	5.1	5.1	4.9	4.6	4.3	1.4	989.2
110,0°	5.3	5.2	5.1	5.1	5.1	5.0	4.7	4.6	3.9	1.4	990.6

## Photometric test report

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Table of values for luminous intensities		Maximum luminous intensity
		<b>siteco</b>

C-planes	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
γ		Luminous intensity in cd/klm								
112,5°	5.7	5.7	5.7	5.7	5.5	5.5	5.5	5.5	5.3	5.1
115,0°	5.7	5.7	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1
117,5°	5.7	5.7	5.3	5.4	5.3	5.3	5.2	5.1	5.1	5.1
120,0°	5.3	5.3	5.3	5.3	5.2	5.1	4.9	4.9	4.9	4.8
122,5°	4.9	4.9	4.9	4.9	4.8	4.7	4.6	4.5	4.5	4.5
125,0°	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.7	3.7	3.7
127,5°	3.2	3.0	3.0	3.0	2.8	2.8	2.8	2.8	2.8	2.8
130,0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
132,5°	2.2	2.1	2.1	2.2	2.2	2.2	2.2	2.1	2.0	2.0
135,0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137,5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
140,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
142,5°	1.4	1.0	1.2	1.0	0.9	1.1	1.0	1.1	1.0	0.9
145,0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147,5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165,0°	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

C-planes	50°	55°	60°	65°	70°	75°	80°	85°	90° 270°	Phi-zone	Total Phi-zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
γ		Luminous intensity in cd/klm								Luminous flux in lm/klm	
112,5°	5.1	5.1	5.1	5.0	4.9	4.8	4.7	4.2	2.8	1.3	991.9
115,0°	5.1	5.1	5.0	4.9	4.8	4.7	4.7	3.8	2.0	1.2	993.1
117,5°	5.0	4.9	4.9	4.9	4.7	4.7	4.7	3.5	2.0	1.2	994.3
120,0°	4.8	4.7	4.7	4.5	4.5	4.5	4.5	3.1	1.8	1.1	995.4
122,5°	4.5	4.5	4.4	4.3	4.1	4.1	4.0	2.8	1.6	1.0	996.4
125,0°	3.7	3.7	3.7	3.7	3.4	3.4	3.2	2.4	1.6	0.8	997.2
127,5°	2.8	2.8	2.8	2.8	2.8	2.6	2.4	1.8	1.6	0.6	997.8
130,0°	2.4	2.4	2.3	2.1	2.1	2.0	2.0	1.6	1.2	0.5	998.3
132,5°	2.0	2.0	2.0	2.0	2.0	2.0	1.6	1.5	1.2	0.4	998.7
135,0°	1.8	1.8	1.7	1.7	1.6	1.6	1.6	1.2	1.2	0.4	999.1
137,5°	1.6	1.6	1.6	1.6	1.6	1.5	1.2	1.2	1.0	0.3	999.3
140,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.1	0.8	0.8	0.2	999.5
142,5°	0.9	1.0	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.2	999.7
145,0°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.1	999.8
147,5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.1	1000.0
150,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
165,0°	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	1000.0

## Photometric test report

<b>Family</b> <b>LANTERN LED</b>	<b>Order number: 5XA5255RF14H</b> <b>EAN: 4058352833667</b>	<b>LP number</b> <b>57123_25</b>
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<b>Dimming levels table</b>	environmental temperature: 25°C	<b>siteco</b>
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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	2970	18.5	19.7	19.1
95	241	252	2818	17.5	18.6	18.0
90	229	250	2678	16.6	17.6	17.1
85	216	248	2526	15.6	16.6	16.1
80	203	246	2374	14.7	15.6	15.2
75	190	243	2222	13.7	14.6	14.2
70	178	241	2081	12.8	13.6	13.2
65	165	238	1929	11.9	12.6	12.2
60	152	235	1777	11.0	11.6	11.3
55	140	232	1637	10.1	10.8	10.4
50	127	229	1485	9.3	9.8	9.6
45	114	225	1333	8.4	8.9	8.6
40	102	221	1193	7.7	8.1	7.9
35	89	216	1041	6.8	7.2	7.0
30	76	210	889	6.0	6.3	6.2
25	63	203	737	5.2	5.5	5.4
20	51	195	596	4.5	4.7	4.6
18	46	191	538	4.1	4.3	4.2