

## Photometric test report

Family  
**CITY-LIGHT ELEGANCE LED**

Order number: **5XA5265OF14H**  
EAN: **4058352835050**

LP number  
**57135\_34**



<b>Version</b>	post-top- or mounting to wall arm
<b>Optic</b>	symmetric, wide distribution (PL1.2s)
<b>Cover</b>	cover transparent, PMMA
<b>Lamps</b>	LED 2700 K   CRI ≥ 70
<b>Controlgear</b>	ECG SITECO iQ
<b>Rated values</b>	Net luminous flux = 2840 lm Power consumption = 21.8 W Luminous efficacy = 130.3 lm/W

serial  
documentation  
24.02.2023

siteco

Luminous intensity in cd/klm

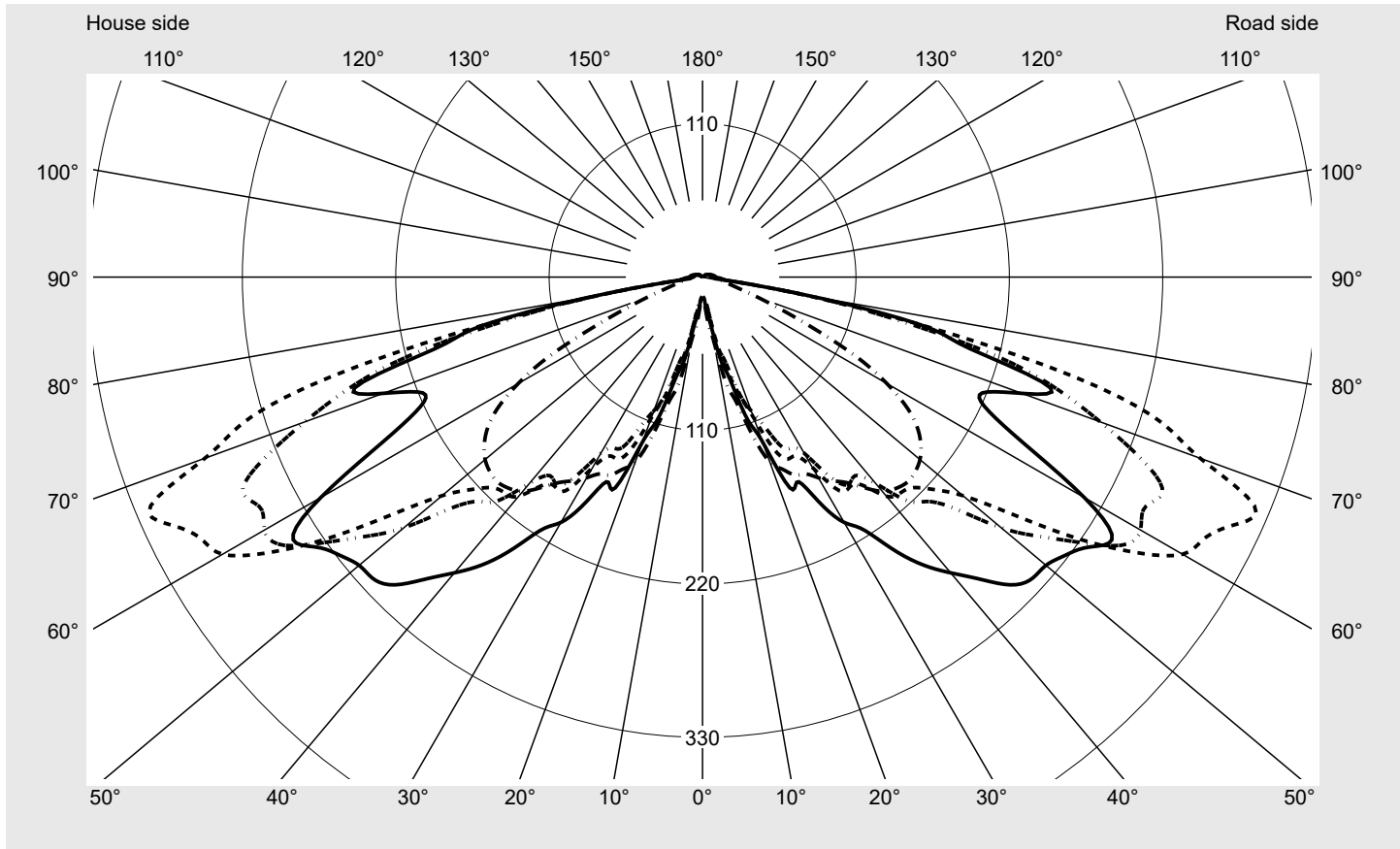
**C180-0**

**C205-25**

**C210-30**

**C270-90**

**Imax: 428 cd/klm**



### Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	97.9%
Eta 90° - 180°	2.1%

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

Class:	G3
Imax 70°	379.7
Imax 80°	94.5
Imax 90°	9.7
Imax >90°	6.4
Imax >95°	6.4

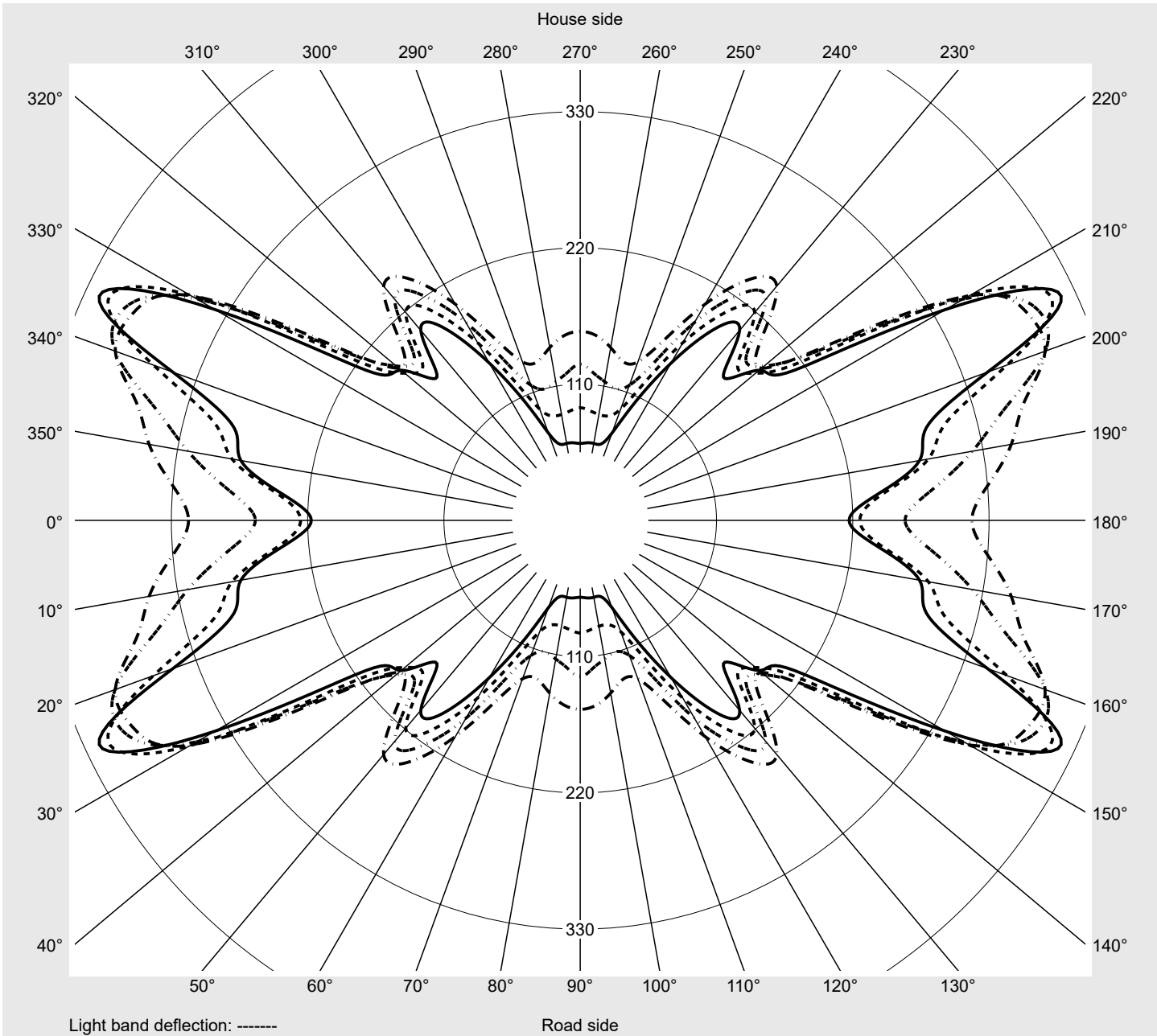
### Measurement conditions

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°**



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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°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
2,5°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.6	15.6
5,0°	16.8	16.5	16.9	17.0	17.1	17.4	17.4	17.8	18.4	18.9
7,5°	28.2	27.5	26.3	24.4	21.9	20.0	18.7	18.4	19.9	22.1
10,0°	36.3	35.6	36.9	37.7	35.4	30.6	26.9	26.7	31.7	37.3
12,5°	61.7	59.2	58.1	52.3	52.7	51.5	52.5	51.3	52.7	51.2
15,0°	75.7	73.2	70.9	74.3	77.4	71.4	62.2	62.1	67.3	79.1
17,5°	106.8	105.8	105.4	97.0	94.1	89.4	87.4	86.9	78.4	87.8
20,0°	125.5	140.1	139.8	123.0	119.4	107.6	101.9	99.4	89.0	100.5
22,5°	163.6	164.4	163.1	147.0	146.9	133.3	115.5	110.0	88.1	102.0
25,0°	161.8	160.2	158.7	150.3	152.9	144.0	134.1	129.8	91.6	108.3
27,5°	182.9	189.1	182.6	163.8	157.8	144.5	138.1	135.0	95.6	125.6
30,0°	203.1	214.3	209.5	186.2	172.9	157.6	145.8	137.7	100.7	144.3
32,5°	214.7	220.2	213.4	199.2	188.6	181.1	169.4	157.4	115.3	168.7
35,0°	238.6	238.0	228.4	203.2	190.2	183.9	181.7	174.1	131.5	184.5
37,5°	260.3	265.9	250.3	221.7	202.6	187.9	179.6	179.1	138.1	202.2
40,0°	276.8	272.2	258.5	232.8	221.4	205.1	192.9	185.6	143.0	223.0
42,5°	293.6	293.8	271.3	246.5	225.5	210.0	217.6	195.0	147.7	236.3
45,0°	312.1	314.5	297.9	267.5	237.7	213.5	227.5	201.8	158.0	237.7
47,5°	320.2	332.7	326.0	298.8	253.2	225.6	245.9	209.8	167.1	247.2
50,0°	321.5	338.5	352.5	319.6	271.7	243.8	279.7	228.6	173.4	246.9
52,5°	327.8	339.9	353.2	334.8	294.4	278.5	305.6	243.1	177.6	240.4
55,0°	337.6	347.7	350.6	355.3	329.7	325.6	332.1	252.4	184.8	232.8
57,5°	348.4	357.6	355.2	367.6	370.7	367.2	357.5	251.1	191.0	222.1
60,0°	316.1	330.7	353.3	371.3	399.3	397.5	362.7	250.4	191.2	206.5
62,5°	262.2	285.3	321.5	356.4	399.5	405.8	357.6	244.1	193.9	190.1
65,0°	225.7	245.1	285.4	305.9	366.7	420.5	364.0	231.5	184.8	180.2
67,5°	217.1	240.8	278.1	289.3	349.9	428.3	340.4	211.6	188.6	163.6
70,0°	243.7	265.3	282.9	297.3	326.2	379.7	303.6	186.7	161.4	140.2
72,5°	260.3	265.5	264.5	282.6	318.2	344.1	266.2	166.0	134.1	101.2
75,0°	198.8	207.5	225.2	239.9	276.3	275.7	217.6	125.3	81.1	62.2
77,5°	163.8	152.8	151.8	165.7	177.5	167.3	145.7	73.2	39.9	49.2
80,0°	80.6	74.5	83.1	94.5	85.3	76.3	78.6	37.9	32.5	35.2
82,5°	13.8	13.9	15.2	15.5	15.3	15.5	16.0	14.4	13.0	12.1
85,0°	12.3	12.1	13.0	13.2	12.9	12.5	12.0	11.5	9.8	8.3
87,5°	10.7	10.9	11.3	11.3	11.1	10.7	10.3	9.7	8.3	7.0
90,0°	9.5	9.3	9.6	9.7	9.3	9.0	8.8	8.2	7.1	6.1
105,0°	6.4	6.4	6.4	6.3	6.0	5.9	5.6	5.4	5.2	4.9
120,0°	3.7	3.7	3.7	3.7	3.3	3.3	3.2	3.1	3.1	3.1
135,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.2
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

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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>sitEco</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°			
$\gamma$	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	0.0	0.0
2,5°	15.7	15.9	15.9	15.9	15.9	15.9	15.9	15.9	15.9	0.2	0.2
5,0°	19.5	20.3	20.8	21.1	21.3	21.4	21.4	21.5	21.5	0.5	0.7
7,5°	25.1	28.3	30.4	31.7	33.4	34.7	35.6	35.8	35.9	1.0	1.6
10,0°	42.9	45.6	47.1	47.8	47.8	47.9	47.3	47.9	47.3	1.9	3.5
12,5°	52.3	53.9	58.7	66.9	72.5	74.5	75.0	77.0	77.4	3.6	7.1
15,0°	84.6	81.2	84.9	86.3	89.3	90.8	90.8	91.1	91.8	5.6	12.7
17,5°	90.5	84.9	95.3	103.4	109.8	116.4	119.2	119.3	118.4	8.2	20.9
20,0°	104.3	103.3	114.3	115.5	116.8	127.0	135.0	138.7	141.2	11.0	31.8
22,5°	107.2	109.0	124.1	129.7	130.0	139.8	147.7	148.3	148.9	13.8	45.6
25,0°	110.0	115.1	135.0	140.5	140.6	147.3	154.3	155.0	156.7	16.0	61.6
27,5°	122.3	122.0	144.2	156.1	156.7	159.4	159.8	157.6	159.0	18.9	80.5
30,0°	145.0	138.2	154.7	166.3	167.4	166.8	167.1	165.7	166.1	22.3	102.7
32,5°	169.8	156.9	167.3	180.4	179.2	174.8	173.8	172.4	173.2	26.0	128.8
35,0°	191.1	187.7	188.5	191.3	190.5	183.4	180.4	179.0	179.9	29.8	158.6
37,5°	203.3	208.9	208.9	202.1	199.0	191.1	189.5	188.8	190.2	33.8	192.4
40,0°	220.4	221.2	225.3	212.4	205.5	198.5	199.0	198.6	200.5	37.7	230.1
42,5°	241.9	230.5	236.2	224.4	208.2	202.9	203.9	204.0	205.5	41.6	271.8
45,0°	256.2	243.7	240.9	230.7	209.4	205.6	206.9	206.5	207.8	45.4	317.2
47,5°	263.3	252.7	242.6	229.0	206.1	205.1	206.3	205.9	206.8	49.2	366.4
50,0°	267.7	255.0	239.4	221.3	200.3	200.2	202.5	202.1	203.5	52.6	418.9
52,5°	268.8	257.8	235.8	208.7	187.0	190.4	194.5	196.0	197.3	55.2	474.1
55,0°	266.1	258.4	228.4	194.2	171.8	175.9	181.8	185.6	188.1	57.8	532.0
57,5°	259.3	251.9	218.8	177.2	153.9	157.1	165.2	170.5	173.7	59.8	591.8
60,0°	246.8	237.3	201.5	161.0	136.2	132.9	141.6	149.7	152.6	59.4	651.2
62,5°	233.1	221.9	184.4	140.0	116.1	109.9	113.7	119.7	126.2	56.6	707.7
65,0°	219.0	205.4	165.6	122.5	95.6	87.3	86.8	88.9	90.9	52.6	760.4
67,5°	200.2	188.3	146.5	105.6	75.0	63.7	63.1	62.9	62.1	49.7	810.1
70,0°	178.4	166.9	124.7	89.7	61.6	44.6	41.9	40.9	41.7	46.3	856.4
72,5°	144.3	137.1	105.6	72.3	50.0	33.7	28.8	27.0	27.9	41.9	898.3
75,0°	115.8	118.7	89.4	54.8	35.7	26.8	22.6	20.3	20.6	33.9	932.2
77,5°	93.9	97.4	73.4	39.3	23.3	20.3	18.4	16.5	16.5	23.7	955.9
80,0°	39.9	44.4	32.8	22.2	17.3	16.1	14.9	13.8	13.5	12.7	968.6
82,5°	12.3	14.4	14.7	14.2	13.6	12.8	11.6	10.6	10.3	3.7	972.4
85,0°	8.1	10.2	10.6	10.4	10.4	10.4	9.9	8.9	8.8	3.0	975.3
87,5°	7.0	8.6	8.9	8.8	8.7	8.7	8.5	7.7	7.5	2.5	977.9
90,0°	5.8	7.2	7.4	7.5	7.5	7.5	7.3	6.9	6.7	7.6	985.4
105,0°	4.7	4.7	5.1	5.2	5.3	5.4	5.4	5.3	5.2	8.7	994.1
120,0°	3.0	3.0	3.0	3.0	3.0	3.2	3.2	2.8	2.1	4.5	998.7
135,0°	1.3	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.9	1.3	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

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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	2840	21.8	23.2	22.5
95	241	252	2695	20.6	21.9	21.2
90	229	250	2560	19.4	20.7	20.0
85	216	248	2415	18.3	19.4	18.8
80	203	246	2270	17.1	18.2	17.6
75	190	243	2124	15.9	16.9	16.4
70	178	241	1990	14.9	15.8	15.4
65	165	238	1845	13.8	14.7	14.2
60	152	235	1700	12.7	13.5	13.1
55	140	232	1565	11.7	12.4	12.0
50	127	229	1420	10.7	11.3	11.0
45	114	225	1275	9.6	10.1	9.8
40	102	221	1140	8.7	9.2	9.0
35	89	216	995	7.7	8.1	7.9
30	76	210	850	6.8	7.1	7.0
25	63	203	704	5.8	6.1	5.9
20	51	195	570	5.0	5.2	5.1
15	39	185	436	4.0	4.3	4.2