

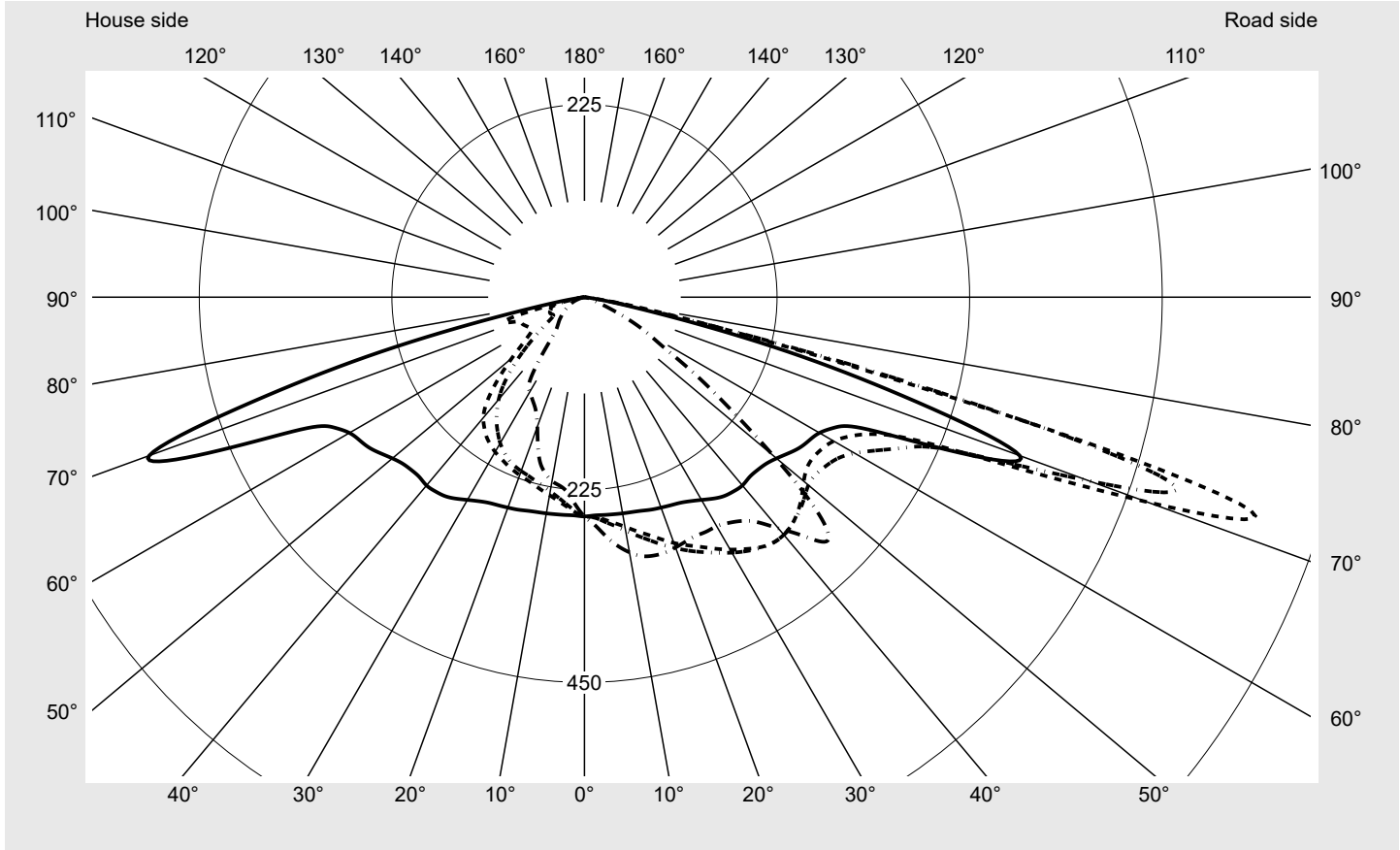
# Photometric test report

<b>Family</b> <b>Streetlight 21 midi LED</b>	<b>Order number: 5XE3R33T08NB</b> <b>EAN: 4069025150844</b>	<b>LP number</b> <b>59538_131</b>
	<b>Version</b> post-top or side-entry mounting, Smart Interface up/down <b>Optic</b> asymmetric, extremely wide distribution (P0.8a G), Back Light Control (BLC) <b>Cover</b> toughened safety glass <b>Lamps</b> LED 3000 K   CRI ≥ 70 <b>Controlgear</b> EVG-Smart Interface <b>Rated values</b> Net luminous flux = 19710 lm Power consumption = 151.2 W Luminous efficacy = 130.4 lm/W	<b>serial documentation</b> <b>18.01.2024</b>





**Luminous intensity in cd/klm** C180-0 C200-20 C205-25 C270-90 **Imax: 802 cd/klm**



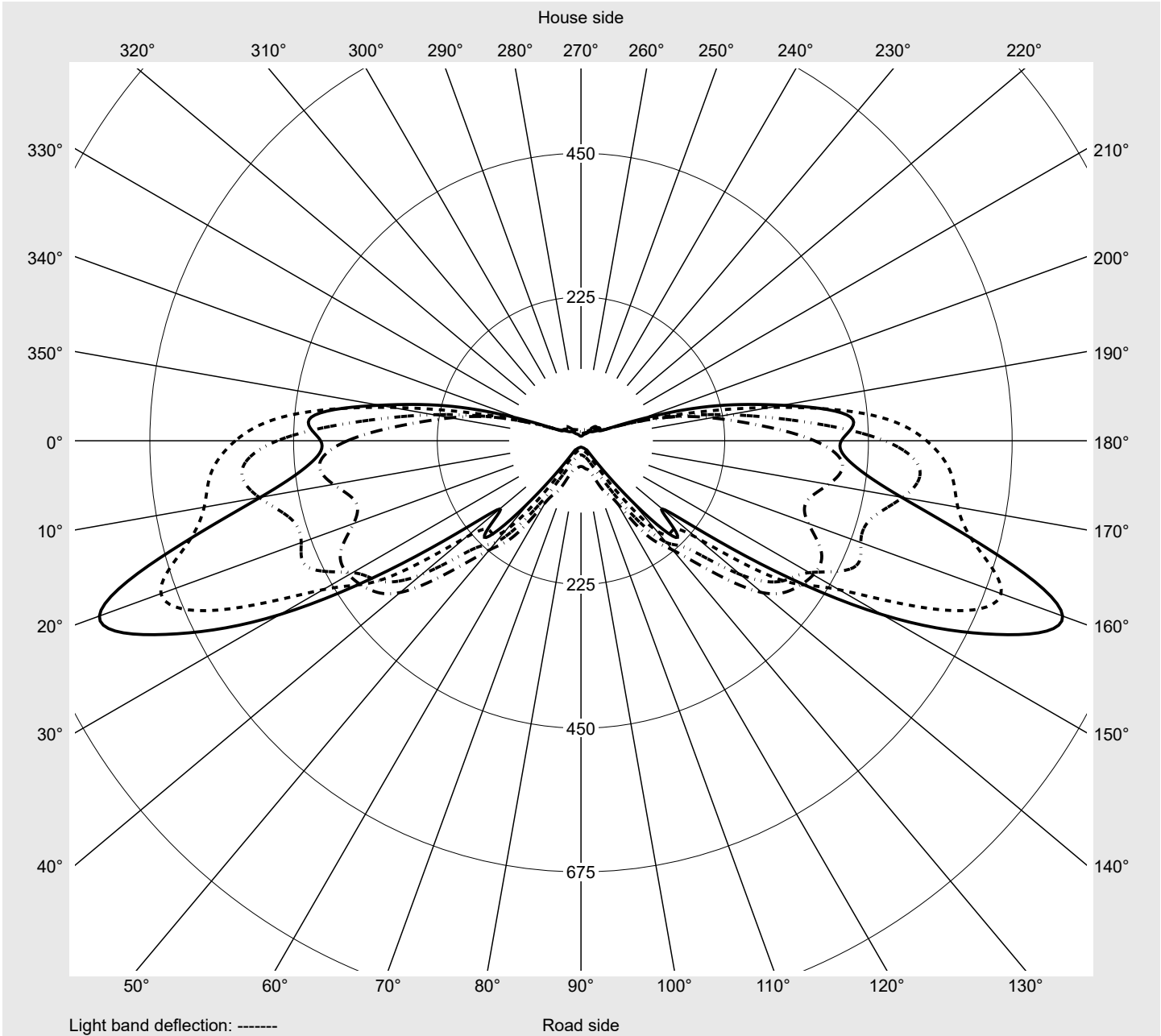
Luminaire output ratios	
Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%
Measurement conditions	
DIN EN 13032 and DIN 5032	

Luminous intensity class acc. to EN13201-2	
Class:	G3
Imax 70°	699.8
Imax 80°	48.9
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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**Envelope curve in cd/klm**      **KMK 72.5°**    **KMK 70°**    **KMK 67.5°**    **KMK 65°**      **siteco**



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

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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	255.3	255.8	256.2	256.7	257.1	257.7	258.2	259.1	260.2	260.9	261.9	262.7	263.5
5,0°	255.4	256.0	256.7	258.2	260.6	263.0	265.0	267.2	269.2	270.8	272.6	274.1	275.5
7,5°	255.8	256.5	258.8	262.3	266.0	269.3	272.5	275.5	278.7	281.2	283.2	285.3	287.1
10,0°	256.4	258.2	262.5	267.4	272.2	277.0	280.9	284.5	288.5	291.7	293.9	296.0	297.8
12,5°	257.1	260.9	266.8	273.2	279.7	285.3	290.3	294.6	298.1	301.2	303.7	305.6	306.7
15,0°	258.3	264.2	271.8	280.0	287.4	293.9	299.5	303.5	306.9	309.1	310.8	311.9	312.4
17,5°	260.2	268.3	277.9	287.3	296.2	303.2	308.2	312.5	314.9	316.4	317.2	317.3	316.9
20,0°	261.6	272.9	284.4	295.3	305.5	312.0	317.0	319.8	321.2	321.9	321.7	320.7	318.8
22,5°	263.1	277.0	290.3	303.3	313.7	320.7	324.6	326.8	327.1	326.4	324.8	322.4	319.7
25,0°	265.0	281.9	297.1	311.8	321.9	328.6	332.3	333.7	333.0	330.6	327.4	324.0	320.7
27,5°	268.6	288.3	306.1	321.3	331.3	336.7	339.1	339.5	337.5	333.9	329.6	324.8	321.6
30,0°	273.4	296.2	316.3	331.6	340.5	344.6	345.4	344.5	341.6	337.2	332.0	327.5	323.8
32,5°	279.0	304.5	326.5	341.2	348.9	351.8	351.2	348.6	344.6	339.9	335.3	331.3	328.2
35,0°	283.7	312.2	336.3	351.1	356.8	357.7	355.9	351.8	347.5	343.8	340.9	338.8	336.1
37,5°	286.0	316.7	341.7	356.3	361.7	361.7	358.7	354.3	350.4	348.5	348.6	348.6	346.9
40,0°	287.0	320.2	345.2	358.6	362.5	362.3	359.1	356.2	355.0	355.8	360.4	364.2	362.1
42,5°	285.2	320.5	345.2	356.6	359.3	359.4	357.7	358.0	360.8	366.6	375.3	381.6	382.2
45,0°	285.7	320.8	343.5	351.3	353.0	354.6	355.8	360.2	369.0	380.9	393.4	402.6	408.6
47,5°	288.0	322.1	341.1	344.6	344.3	348.1	356.0	368.0	382.4	400.3	415.5	427.5	433.5
50,0°	292.9	325.0	338.7	336.5	334.5	341.6	358.1	378.1	396.9	417.8	434.4	441.6	427.3
52,5°	299.8	329.7	337.4	330.5	327.7	340.5	363.0	389.7	411.7	431.2	433.9	412.3	374.4
55,0°	306.7	334.2	337.1	326.9	326.4	344.1	371.1	403.3	424.1	433.0	402.1	355.6	306.8
57,5°	311.3	338.1	337.2	325.8	329.4	350.7	382.2	417.7	428.2	420.6	361.9	294.3	250.8
60,0°	317.1	344.9	339.9	328.5	336.3	364.5	398.6	425.7	422.2	393.2	312.0	249.9	207.3
62,5°	329.8	361.2	352.4	337.4	351.3	387.3	415.1	423.8	402.5	347.1	258.8	209.0	152.8
65,0°	365.7	410.8	393.4	366.1	378.8	415.5	419.8	405.2	369.7	289.8	223.3	181.2	111.5
67,5°	475.5	532.7	511.4	470.6	466.2	470.3	412.9	383.3	326.1	240.4	207.7	145.1	77.1
70,0°	541.1	581.5	599.1	641.5	699.8	627.4	466.2	377.8	235.4	200.6	183.3	93.1	32.6
72,5°	407.6	427.6	509.6	664.1	802.4	717.3	544.2	314.9	166.3	213.7	120.9	30.9	16.2
75,0°	246.2	264.5	277.6	328.6	402.1	429.8	318.1	215.1	231.4	176.6	43.4	14.0	11.6
77,5°	93.3	138.1	128.7	130.6	145.2	140.9	88.4	120.4	200.4	113.6	14.2	10.2	8.3
80,0°	29.0	40.6	45.8	48.4	48.9	39.2	14.5	19.3	31.3	15.5	8.5	6.2	5.1
82,5°	7.0	8.7	10.9	12.4	6.5	13.3	5.2	3.5	4.0	2.8	2.9	2.7	2.5
85,0°	2.5	2.4	2.2	2.0	2.0	2.0	1.6	1.5	1.3	1.3	1.3	1.0	1.0
87,5°	1.3	1.3	1.3	1.1	1.0	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.6
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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>

**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°
$\gamma$	Luminous intensity in cd/klm												
0,0°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1
2,5°	264.1	264.7	265.0	265.5	265.8	266.0	254.1	252.7	252.0	251.3	249.9	248.7	247.5
5,0°	276.5	277.4	278.2	279.0	279.4	279.6	252.9	250.3	247.5	245.1	242.6	240.3	238.0
7,5°	288.6	289.8	290.7	291.5	292.1	292.5	252.2	247.5	243.3	239.7	235.8	232.7	230.1
10,0°	299.2	300.1	301.2	302.0	302.6	302.6	251.6	245.2	239.6	234.8	230.3	226.7	224.1
12,5°	307.5	308.1	308.7	309.4	309.6	309.8	251.8	243.7	236.5	230.9	225.4	222.3	220.0
15,0°	312.3	312.0	312.2	312.5	312.5	312.5	252.3	242.2	234.1	226.9	221.9	218.5	216.3
17,5°	315.9	314.3	313.4	313.1	312.8	312.9	252.5	240.7	231.1	223.7	218.6	215.3	212.6
20,0°	316.9	314.9	313.3	311.8	311.3	311.2	252.9	239.7	228.7	221.2	216.2	212.2	207.6
22,5°	317.2	314.1	311.8	310.2	309.1	308.9	252.5	237.9	226.0	218.4	213.4	208.2	200.7
25,0°	317.2	314.4	311.8	309.4	307.8	307.7	252.2	235.8	223.1	215.4	209.5	201.4	194.1
27,5°	318.6	315.5	312.6	310.2	308.7	308.7	252.3	234.2	220.7	211.9	203.6	193.1	183.9
30,0°	320.9	318.1	314.3	311.1	309.3	308.9	254.6	234.1	218.7	208.7	196.9	183.9	171.6
32,5°	325.2	322.1	318.3	315.3	313.4	312.7	256.0	233.4	216.4	204.3	188.2	171.8	154.5
35,0°	333.0	329.2	325.4	322.1	319.9	319.2	258.1	233.4	214.1	199.3	179.0	157.4	134.1
37,5°	343.1	339.8	336.7	333.6	331.9	331.1	256.3	230.9	210.2	192.2	168.0	141.7	114.8
40,0°	360.0	358.4	357.7	354.8	353.2	352.5	254.2	226.4	204.5	183.7	155.9	124.9	99.4
42,5°	383.8	385.0	385.3	381.7	379.0	378.1	249.1	218.4	193.8	170.3	140.9	110.7	86.3
45,0°	412.5	413.9	412.7	407.8	403.4	402.0	244.4	208.8	179.6	151.5	122.7	97.5	74.3
47,5°	431.9	419.1	401.0	382.9	370.4	366.1	243.2	201.6	166.1	130.5	103.5	85.3	64.9
50,0°	396.5	359.5	329.9	307.1	292.2	288.0	247.0	199.5	154.8	110.5	84.9	72.4	57.4
52,5°	326.1	280.0	250.8	231.5	218.8	215.0	251.4	198.7	147.9	93.2	68.1	60.2	52.1
55,0°	257.8	216.1	191.0	175.0	163.6	160.6	257.4	200.1	143.2	80.9	54.9	50.5	49.7
57,5°	209.3	172.2	145.8	127.8	116.2	112.4	260.4	199.2	139.4	73.0	45.5	44.0	46.7
60,0°	162.7	129.1	107.8	95.3	88.6	87.0	260.2	198.1	139.8	72.6	42.0	38.5	42.9
62,5°	121.1	93.2	79.2	72.8	66.6	64.1	261.6	198.3	141.4	74.7	43.1	36.4	39.2
65,0°	88.5	62.5	47.9	44.8	41.5	40.3	279.6	207.0	143.0	77.4	44.2	35.7	35.2
67,5°	45.4	31.8	26.8	24.3	22.6	22.2	347.1	234.7	143.9	79.3	43.6	33.8	31.5
70,0°	21.6	17.7	16.0	15.3	14.5	14.2	458.1	300.3	160.0	82.8	41.8	33.2	28.4
72,5°	13.7	12.2	11.3	10.7	10.2	10.0	423.8	320.2	207.5	97.4	41.2	31.7	25.8
75,0°	10.1	9.0	8.1	7.7	7.2	7.2	209.9	193.5	168.4	77.5	35.6	28.6	23.1
77,5°	7.0	6.1	5.4	5.1	4.7	4.6	67.8	68.8	55.1	23.2	21.9	22.0	18.9
80,0°	4.1	3.7	3.2	2.9	2.8	2.8	19.2	18.9	14.7	9.8	10.9	12.8	12.6
82,5°	2.3	2.1	1.9	1.7	1.6	1.7	5.4	5.0	4.9	5.3	5.5	6.3	6.2
85,0°	1.0	1.0	0.9	0.8	0.8	0.8	2.5	2.6	2.7	2.7	2.7	2.5	2.3
87,5°	0.6	0.5	0.4	0.4	0.4	0.4	1.3	1.5	1.5	1.5	1.4	1.4	1.3
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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<b>Table of values for luminous intensities</b>		<b>Maximum luminous intensity</b>
		<b>siteco</b>

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°	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	256.1	0.4	0.4
2,5°	246.5	245.9	245.1	244.3	243.7	243.5	243.2	242.8	242.7	242.6	242.6	3.0	3.4
5,0°	235.9	234.5	233.1	231.7	230.7	230.0	229.4	228.9	228.8	228.9	228.8	6.1	9.5
7,5°	227.6	226.1	224.9	223.7	222.9	222.6	222.1	222.1	222.1	222.1	222.1	9.1	18.6
10,0°	222.0	220.7	219.9	219.3	218.8	218.6	218.4	218.3	218.2	218.1	218.1	12.2	30.8
12,5°	218.2	217.1	216.1	215.2	214.2	213.1	211.9	211.4	211.0	210.6	210.7	15.3	46.1
15,0°	214.8	212.9	210.8	208.0	205.7	204.0	202.3	201.1	200.4	200.0	199.9	18.3	64.4
17,5°	209.5	205.5	202.2	199.0	195.7	192.5	188.9	185.6	183.2	181.5	180.9	21.2	85.6
20,0°	202.1	198.0	193.3	188.5	182.0	175.6	170.1	166.1	163.3	161.6	161.0	23.8	109.5
22,5°	194.9	188.8	182.1	173.1	165.0	158.5	153.6	150.5	148.6	147.4	147.0	26.4	135.8
25,0°	186.5	177.8	167.1	157.6	150.1	145.3	142.3	140.5	139.5	138.9	138.8	28.9	164.7
27,5°	174.2	161.1	149.5	141.3	136.2	133.3	132.5	132.7	132.9	132.8	132.9	31.3	196.0
30,0°	156.2	142.0	131.9	125.7	123.8	123.9	124.9	126.0	126.9	127.3	127.5	33.6	229.6
32,5°	135.4	121.4	112.6	109.8	110.7	114.2	118.5	121.7	121.8	121.3	121.0	35.8	265.4
35,0°	114.0	99.7	92.6	93.1	99.5	105.7	107.7	106.6	103.5	100.4	99.0	37.8	303.2
37,5°	94.9	80.9	76.9	81.3	86.7	87.6	84.6	80.5	76.5	73.4	72.1	39.4	342.6
40,0°	79.0	67.7	66.9	70.7	70.9	68.6	66.0	62.0	57.9	55.1	54.0	41.4	383.9
42,5°	67.7	60.7	61.9	61.8	61.0	59.2	55.0	51.3	49.1	47.7	47.2	43.6	427.6
45,0°	60.1	58.1	57.9	56.8	55.7	51.4	47.8	45.6	44.2	43.4	43.1	46.0	473.6
47,5°	56.2	56.3	54.5	54.0	50.0	45.6	43.0	41.3	40.4	39.9	39.7	47.5	521.1
50,0°	54.3	53.5	52.3	49.5	44.0	40.7	38.7	37.2	36.5	36.0	35.9	46.9	568.0
52,5°	53.7	50.6	49.0	44.4	39.0	36.3	34.6	33.7	33.1	32.8	32.8	45.3	613.2
55,0°	52.1	46.9	44.8	38.9	34.5	32.5	31.1	30.3	29.8	29.5	29.6	43.5	656.8
57,5°	46.5	42.6	39.5	33.8	30.7	28.8	27.2	26.5	26.2	25.9	26.0	41.9	698.7
60,0°	41.1	38.6	35.1	29.5	26.9	25.3	24.1	23.7	23.2	23.0	23.0	40.6	739.3
62,5°	36.4	35.1	30.1	25.4	23.4	22.0	21.3	20.8	20.3	20.1	20.1	39.5	778.8
65,0°	32.6	31.7	25.8	21.6	20.4	19.1	18.5	17.8	17.3	17.0	17.0	39.3	818.1
67,5°	28.8	27.9	22.6	18.5	17.3	16.3	15.5	14.9	14.3	14.0	13.9	42.2	860.3
70,0°	25.5	24.4	19.6	15.9	14.8	13.8	12.9	12.0	11.2	10.8	10.7	47.5	907.8
72,5°	21.9	20.1	16.4	13.5	12.2	10.9	9.5	8.3	7.6	7.2	7.2	45.6	953.4
75,0°	18.4	15.9	13.0	10.7	9.3	8.6	6.7	5.6	5.1	4.8	4.8	28.3	981.6
77,5°	14.5	11.7	9.1	7.2	6.3	6.0	4.2	3.4	2.9	2.7	2.7	12.7	994.3
80,0°	10.2	7.7	5.5	4.4	3.9	3.5	2.5	1.8	1.4	1.1	1.0	3.8	998.2
82,5°	5.4	4.1	3.0	2.3	1.8	1.6	1.3	1.0	0.8	0.6	0.4	1.2	999.3
85,0°	2.1	1.8	1.5	1.2	0.9	0.8	0.6	0.6	0.4	0.4	0.3	0.4	999.8
87,5°	1.1	1.0	0.9	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.3	0.2	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

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3R33T08NB</b> <b>EAN: 4069025150844</b>	<b>LP number</b> 59538_131
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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	19710	151.2	156.8	154.0
95	239	252	18750	142.3	147.4	144.9
90	224	249	17758	133.3	138.2	135.8
85	209	247	16746	124.5	128.9	126.7
80	195	244	15773	116.2	120.3	118.2
75	181	242	14775	107.9	111.7	109.8
70	168	239	13833	100.4	103.8	102.1
65	154	236	12805	92.2	95.5	93.8
60	141	232	11829	84.7	87.6	86.2
55	128	229	10838	77.3	79.9	78.6
50	115	225	9826	69.9	72.1	71.0
45	103	221	8878	63.0	65.1	64.0
40	91	216	7911	56.1	58.0	57.0
35	79	211	6933	49.3	50.9	50.1
30	67	205	5940	42.5	43.9	43.2
25	55	198	4929	35.7	36.8	36.2
20	43	189	3907	29.0	29.9	29.4
15	32	178	2955	22.8	23.4	23.1
12	25	169	2345	19.0	19.5	19.2

<b>Dimming levels table</b>	environmental temperature: 5°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	20380	153.0	158.6	155.8
95	239	252	19353	143.9	149.1	146.5
90	225	250	18368	135.6	140.4	138.0
85	210	247	17299	126.5	131.1	128.8
80	196	245	16276	118.2	122.4	120.3
75	183	242	15307	110.5	114.4	112.4
70	169	239	14250	102.3	105.8	104.0
65	156	236	13257	94.6	97.9	96.2
60	143	233	12244	87.0	90.0	88.5
55	130	229	11220	79.5	82.2	80.8
50	117	226	10179	71.9	74.4	73.2
45	105	222	9204	65.0	67.2	66.1
40	92	217	8131	57.5	59.4	58.4
35	80	212	7130	50.6	52.2	51.4
30	68	206	6116	43.7	45.1	44.4
25	56	199	5086	36.8	38.0	37.4
20	44	190	4046	30.0	30.9	30.4
15	33	179	3081	23.7	24.4	24.0
12	25	169	2373	19.3	19.8	19.6

## Photometric test report

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3R33T08NB</b> <b>EAN: 4069025150844</b>	<b>LP number</b> 59538_131
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<b>Dimming levels table</b>	environmental temperature: 15°C	<b>sITeco</b>
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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	20070	152.1	157.7	154.9
95	239	252	19074	143.1	148.2	145.6
90	224	249	18049	134.0	139.0	136.5
85	210	247	17076	125.7	130.3	128.0
80	196	245	16078	117.5	121.7	119.6
75	182	242	15056	109.2	113.0	111.1
70	168	239	14019	101.0	104.5	102.8
65	155	236	13043	93.4	96.7	95.1
60	142	233	12048	85.8	88.8	87.3
55	129	229	11040	78.4	81.1	79.8
50	116	225	10011	70.8	73.2	72.0
45	104	221	9049	64.0	66.2	65.1
40	91	216	7987	56.5	58.4	57.4
35	79	211	6996	49.6	51.2	50.4
30	67	205	5991	42.8	44.2	43.5
25	56	199	5054	36.5	37.7	37.1
20	44	190	4023	29.8	30.6	30.2
15	32	178	2976	23.0	23.6	23.3
12	25	169	2361	19.1	19.7	19.4

**Photometric test report**

<b>Family</b> Streetlight 21 midi LED	<b>Order number: 5XE3R33T08NB</b> <b>EAN: 4069025150844</b>	<b>LP number</b> 59538_131
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**Luminousfluxs table** **siteco**

Temperature °C	Luminous flux lm	Power consumption W
25.0	19710.0	151.2
5.0	20380.0	153.0
15.0	20070.0	152.1