

Photometric test report

Family Streetlight 31 micro

Order number: 5XH1D71B08CA
EAN: 4069025101518

LP number
59076_2968



Version	post-top or side-entry mounting
Optic	asymmetric, wide distribution (ST1.0a)
Cover	toughened safety glass
Lamps	LED 2200 K CRI ≥ 70
Controlgear	ECG SITECO
Rated values	Net luminous flux = 1170 lm Power consumption = 10.3 W Luminous efficacy = 113.6 lm/W

serial
documentation
18.03.2025

siteco

Luminous intensity in cd/klm

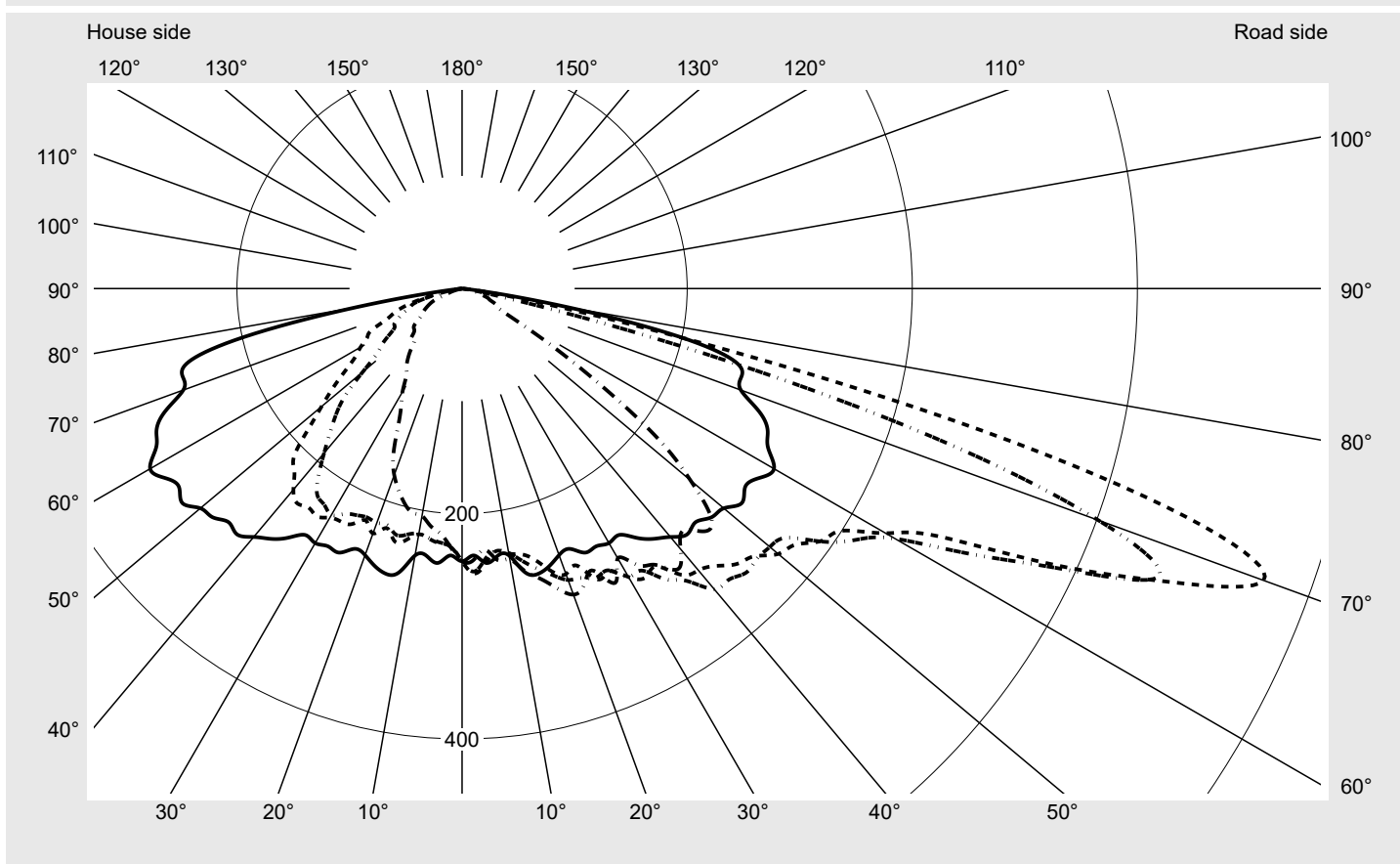
C180-0

C205-25

C210-30

C270-90

Imax: 758 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:	G3
Imax 70°	757.8
Imax 80°	95.1
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 31 micro	Order number: 5XH1D71B08CA EAN: 4069025101518	LP number 59076_2968
Envelope curve in cd/klm KMK 70° KMK 67.5° KMK 65° KMK 62.5°		sit eco



Photometric test report

Family Streetlight 31 micro	Order number: 5XH1D71B08CA EAN: 4069025101518	LP number 59076_2968
--------------------------------	--	-------------------------

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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	237.2	240.2	243.6	247.1	250.1	253.3	251.5	253.0	253.9	252.9	249.2	247.7	247.6
5,0°	244.6	247.2	246.5	245.5	245.0	244.3	240.5	238.5	236.3	236.3	235.1	233.7	233.4
7,5°	239.7	245.1	248.3	244.6	238.3	235.0	234.8	231.4	230.3	234.8	234.3	239.5	238.7
10,0°	240.7	249.2	251.4	243.9	239.9	238.9	238.4	242.1	240.6	240.8	243.3	249.6	251.2
12,5°	258.0	251.3	242.2	234.8	236.0	241.7	247.8	251.1	250.2	252.7	253.4	256.8	257.4
15,0°	262.2	249.0	244.4	246.5	247.0	249.2	257.5	261.4	264.2	266.4	265.5	261.6	261.2
17,5°	258.3	251.3	248.4	253.2	259.5	262.9	266.6	264.1	266.6	271.6	270.9	268.4	275.4
20,0°	251.9	249.8	249.6	255.8	262.8	269.8	275.4	276.2	274.3	273.3	279.4	281.1	281.7
22,5°	250.2	252.4	255.0	266.6	270.7	266.2	278.1	280.2	283.2	284.7	277.3	280.4	284.0
25,0°	258.8	258.1	263.4	267.5	275.0	285.0	283.0	287.9	292.3	291.9	288.1	291.2	291.4
27,5°	258.1	259.3	264.2	271.8	275.5	283.2	282.1	292.3	297.8	295.7	295.0	295.6	295.2
30,0°	261.0	264.7	278.4	274.8	287.8	295.8	295.6	301.4	307.5	307.5	302.4	301.2	298.5
32,5°	259.5	271.5	275.0	285.5	290.4	303.8	296.9	312.8	318.7	323.5	314.1	299.9	297.4
35,0°	270.2	277.9	282.4	285.4	294.7	301.1	315.2	320.4	320.7	320.8	310.6	315.9	307.3
37,5°	280.1	288.9	291.9	300.1	302.5	320.5	327.1	330.1	327.2	324.3	312.1	312.9	322.0
40,0°	288.0	294.9	294.8	301.0	311.0	326.6	348.4	339.0	340.9	323.5	314.9	336.9	331.0
42,5°	296.1	297.5	298.1	316.3	327.4	334.0	350.7	340.8	336.4	326.9	332.4	337.9	345.0
45,0°	293.4	307.2	308.2	316.1	329.3	345.7	356.8	343.0	340.7	351.3	353.6	361.0	358.7
47,5°	300.6	307.3	314.8	328.8	344.9	352.0	355.2	354.7	351.0	370.6	372.7	358.6	351.6
50,0°	303.5	304.1	310.6	329.1	357.1	366.7	357.0	357.9	374.0	384.7	373.8	352.0	342.3
52,5°	313.1	308.3	311.4	326.1	362.1	373.6	363.6	377.1	396.3	399.9	374.1	343.5	326.4
55,0°	307.1	316.8	324.7	337.2	363.3	390.4	392.0	402.7	402.8	386.8	366.3	344.1	310.0
57,5°	313.1	325.8	337.5	353.8	370.6	400.3	415.2	426.0	418.2	382.6	371.0	318.2	258.7
60,0°	320.0	336.4	356.7	382.3	399.2	434.6	444.2	455.3	436.4	397.2	321.8	253.6	192.9
62,5°	306.5	339.5	378.1	425.8	457.4	476.0	511.2	489.6	447.5	347.0	255.1	175.8	103.5
65,0°	299.6	340.0	408.3	483.0	540.4	580.6	589.8	543.1	386.3	266.9	165.4	84.9	43.0
67,5°	285.8	348.9	439.6	545.0	615.1	681.0	669.3	499.2	304.3	169.4	77.8	34.0	31.0
70,0°	263.6	344.2	467.8	600.6	683.4	757.8	601.6	373.8	175.0	76.2	32.7	27.1	25.4
72,5°	260.2	352.1	495.4	595.6	690.0	674.7	438.4	194.3	80.1	34.9	24.8	22.8	22.3
75,0°	251.4	355.3	453.9	502.5	563.4	449.7	222.3	65.9	33.6	23.0	18.2	18.2	18.1
77,5°	197.9	250.8	269.9	280.6	272.8	192.3	58.2	20.2	16.5	16.7	17.0	14.7	13.0
80,0°	95.1	86.3	83.1	87.4	87.1	61.8	14.5	10.9	9.9	10.1	14.8	9.2	8.4
82,5°	19.9	14.9	10.6	15.6	24.6	15.4	6.7	8.0	5.4	4.5	5.7	4.8	5.3
85,0°	1.2	1.1	1.6	1.3	1.6	1.7	1.9	2.0	2.1	1.8	1.8	1.6	1.8
87,5°	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	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

Photometric test report

Family Streetlight 31 micro		Order number: 5XH1D71B08CA EAN: 4069025101518										LP number 59076_2968	
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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2
2,5°	246.5	245.6	245.8	243.2	241.6	241.0	237.5	234.9	231.4	229.7	229.1	229.7	228.7
5,0°	231.5	228.9	230.8	232.5	234.2	232.7	235.6	233.9	229.2	227.3	227.0	226.3	224.2
7,5°	238.9	237.7	239.2	239.1	238.8	243.3	233.9	231.9	226.6	222.4	224.0	223.5	219.5
10,0°	251.1	250.4	247.0	246.6	242.9	244.2	232.6	230.0	230.1	225.8	221.6	221.1	218.9
12,5°	255.3	254.8	254.6	255.0	256.4	256.8	251.6	236.9	233.3	228.9	228.6	223.7	220.7
15,0°	261.0	263.4	264.6	269.2	266.7	266.5	251.8	236.5	234.4	231.8	232.1	226.4	214.7
17,5°	273.5	269.8	271.0	269.3	274.0	278.7	254.8	236.7	230.6	229.6	223.0	220.4	211.5
20,0°	277.0	273.8	278.5	273.5	277.4	289.2	253.6	246.1	236.7	232.5	231.4	221.3	218.5
22,5°	283.3	280.0	281.4	274.0	278.9	284.1	258.2	245.1	237.3	231.5	223.1	220.1	214.1
25,0°	291.6	289.2	282.7	284.9	281.8	276.4	256.1	253.5	245.1	231.6	230.7	222.1	220.2
27,5°	291.0	297.1	284.7	284.4	283.7	294.6	253.8	262.2	247.2	243.6	233.3	225.6	220.2
30,0°	299.4	285.0	290.4	287.0	284.1	276.6	260.1	262.3	252.5	242.6	235.0	232.1	216.3
32,5°	303.1	294.9	292.6	291.3	291.6	291.4	267.1	268.3	257.6	249.2	239.9	227.8	207.5
35,0°	305.6	303.8	309.8	304.1	309.8	299.5	265.1	272.9	264.3	257.9	237.6	224.2	192.7
37,5°	327.6	321.4	316.6	327.0	311.9	314.4	267.5	273.9	266.0	253.1	240.5	209.6	171.7
40,0°	335.6	329.6	322.7	314.6	317.2	302.1	280.5	272.5	268.4	257.7	233.1	190.7	159.6
42,5°	344.1	323.1	317.5	312.8	305.5	291.3	285.6	276.8	274.2	255.0	220.5	173.7	147.1
45,0°	334.8	321.1	311.8	310.6	303.9	304.9	290.4	275.0	272.0	249.5	211.3	158.5	132.3
47,5°	329.8	320.9	301.3	306.7	283.3	299.9	289.6	280.3	276.9	239.7	185.9	140.8	119.7
50,0°	322.5	303.3	286.7	277.3	266.1	264.8	299.6	279.3	263.2	226.2	163.0	115.2	100.4
52,5°	304.5	279.5	254.9	243.3	227.8	220.6	304.6	284.5	261.5	202.5	144.2	95.6	87.7
55,0°	271.9	232.3	195.4	182.8	167.1	154.6	302.4	281.2	248.9	189.5	126.0	87.0	82.7
57,5°	205.3	164.9	136.9	107.6	100.1	94.8	295.7	276.1	229.0	169.2	112.1	76.9	69.4
60,0°	135.3	91.2	69.1	54.0	51.1	48.0	295.6	255.4	206.1	148.6	104.2	69.2	64.4
62,5°	63.8	41.6	38.3	37.4	35.9	35.9	276.8	246.4	194.9	133.5	95.3	67.9	56.0
65,0°	34.8	33.0	36.1	33.5	33.3	33.3	259.4	228.7	165.0	116.1	89.9	62.4	52.0
67,5°	28.3	30.3	30.4	29.0	28.2	27.1	237.7	204.2	142.9	89.0	74.0	56.7	44.9
70,0°	26.6	24.6	25.1	24.3	23.4	24.3	214.1	178.1	117.5	71.7	65.1	49.6	35.8
72,5°	20.9	22.8	22.1	20.1	20.0	18.5	199.3	149.2	98.9	60.6	55.2	45.6	31.0
75,0°	18.0	17.9	18.1	15.7	15.1	15.9	176.2	102.0	69.4	40.3	40.9	34.6	28.7
77,5°	14.2	13.9	12.6	12.2	11.3	11.2	100.8	18.4	18.7	26.1	24.0	21.5	20.6
80,0°	9.5	8.9	8.4	8.0	6.9	6.7	38.7	5.8	7.9	14.6	11.5	12.5	10.7
82,5°	4.7	5.0	4.6	3.8	3.5	3.5	7.8	3.4	3.6	6.4	5.1	4.4	4.3
85,0°	2.1	1.9	1.8	1.5	1.1	1.5	1.2	1.1	1.1	1.1	1.1	1.1	0.9
87,5°	0.4	0.4	0.4	0.3	0.3	0.7	0.3	0.2	0.3	0.3	0.2	0.2	0.1
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

Photometric test report

Family Streetlight 31 micro		Order number: 5XH1D71B08CA EAN: 4069025101518										LP number 59076_2968	
Table of values for luminous intensities										Maximum luminous intensity		sīteco	
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°	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	242.2	0.4	0.4
2,5°	228.8	228.3	228.5	228.0	228.0	228.7	228.7	231.0	230.4	231.6	230.0	2.9	3.2
5,0°	224.8	225.1	221.3	223.3	220.3	219.6	217.9	216.2	216.4	215.3	218.6	5.5	8.7
7,5°	220.9	217.1	216.6	214.6	211.5	209.0	207.0	206.4	212.3	211.0	212.9	8.2	16.9
10,0°	212.8	212.3	211.5	209.7	207.2	204.3	201.1	201.2	202.8	204.7	205.0	10.9	27.9
12,5°	217.1	216.0	210.6	208.5	204.9	207.1	208.1	204.9	204.6	202.9	203.9	13.9	41.8
15,0°	211.1	211.6	209.7	208.3	208.4	199.1	197.1	199.6	201.2	197.7	197.5	16.9	58.7
17,5°	211.3	207.4	206.9	203.8	201.8	202.0	195.0	187.2	191.9	191.4	187.7	19.7	78.4
20,0°	213.6	205.7	202.9	195.4	190.5	187.5	184.4	179.4	172.2	171.5	176.2	22.5	100.9
22,5°	212.9	210.7	194.4	186.3	177.3	171.4	168.7	164.9	160.5	160.6	159.6	25.0	125.9
25,0°	207.0	196.3	186.3	173.2	173.2	166.6	162.4	151.7	148.3	140.9	134.3	27.8	153.7
27,5°	205.7	183.9	171.4	164.0	160.4	151.4	145.5	135.8	126.3	118.7	117.1	30.1	183.8
30,0°	186.6	174.1	167.0	162.4	148.6	139.7	122.7	116.4	109.9	107.3	105.9	32.6	216.3
32,5°	175.3	165.5	162.0	143.4	132.8	123.0	112.7	104.0	100.1	96.4	92.3	35.0	251.3
35,0°	168.9	162.9	151.7	132.5	123.6	110.4	102.5	95.4	88.8	88.3	86.2	37.5	288.8
37,5°	154.1	150.9	143.5	124.9	111.8	100.4	94.1	85.8	82.5	77.7	79.4	40.1	328.9
40,0°	146.7	143.1	129.9	114.4	102.6	93.9	81.3	76.5	72.4	72.8	70.8	42.4	371.3
42,5°	142.1	129.9	121.4	103.1	90.1	80.9	72.5	69.7	70.3	66.8	63.1	44.2	415.5
45,0°	124.3	119.9	105.6	93.4	78.6	73.7	68.4	68.6	64.0	63.1	64.5	46.2	461.7
47,5°	112.2	105.5	95.1	80.2	69.5	67.1	63.7	61.0	61.9	62.9	58.3	47.7	509.4
50,0°	97.1	86.2	81.0	69.9	65.2	62.2	59.9	57.5	58.2	56.9	55.7	48.2	557.6
52,5°	81.4	76.9	71.9	64.5	61.2	57.0	55.7	54.0	52.9	51.0	53.4	48.5	606.2
55,0°	72.4	66.4	64.2	58.5	55.6	52.3	52.1	49.6	48.4	46.8	46.3	47.9	654.0
57,5°	63.8	60.2	56.0	51.2	50.2	51.5	48.3	47.3	44.5	43.7	41.9	46.4	700.4
60,0°	52.9	50.5	50.6	46.0	48.1	46.5	47.5	42.4	40.8	41.6	38.9	44.7	745.2
62,5°	49.0	44.0	43.6	43.5	43.0	44.9	42.5	41.4	36.9	37.8	35.1	43.7	788.8
65,0°	46.0	41.2	39.4	40.3	38.3	37.3	38.4	37.2	34.9	32.2	31.0	43.4	832.2
67,5°	36.6	34.3	35.2	34.3	34.4	34.1	34.2	31.5	29.4	25.2	25.2	42.6	874.8
70,0°	32.1	30.4	31.6	29.6	27.9	26.0	25.2	21.7	19.5	17.0	15.7	39.8	914.6
72,5°	26.7	27.4	25.8	25.7	21.0	20.1	16.5	13.8	12.3	12.4	11.0	35.2	949.9
75,0°	21.8	21.8	21.8	20.0	15.4	14.0	12.0	9.0	7.9	7.7	7.0	27.3	977.2
77,5°	15.9	14.8	13.6	12.0	9.9	8.9	7.1	5.2	3.1	2.1	2.4	15.0	992.2
80,0°	7.8	7.4	6.6	6.1	5.8	5.3	3.8	2.4	1.3	0.7	1.0	5.8	998.0
82,5°	3.2	2.6	2.4	3.5	2.9	2.3	1.6	0.9	0.4	0.3	0.2	1.7	999.6
85,0°	0.8	0.6	0.6	0.5	0.4	0.4	0.3	0.2	0.1	0.0	0.1	0.3	999.9
87,5°	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

office	industry	traffic	retail	public	sports
--------	----------	---------	--------	--------	--------

Photometric test report

Family Streetlight 31 micro	Order number: 5XH1D71B08CA EAN: 4069025101518	LP number 59076_2968
Dimming levels table		environmental temperature: 25°C
		sit eco

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	1170	10.3	10.6	10.4
95	240	252	1112	9.8	10.0	9.9
90	226	250	1053	9.2	9.5	9.4
85	212	247	994	8.7	8.9	8.8
80	198	245	934	8.1	8.4	8.2
75	185	242	878	7.7	7.8	7.8
70	171	240	817	7.1	7.3	7.2
65	158	237	760	6.7	6.9	6.8
60	145	233	701	6.2	6.4	6.3
55	132	230	643	5.8	5.9	5.8
50	119	226	583	5.3	5.4	5.4
45	107	222	527	4.9	5.0	5.0
40	94	218	467	4.4	4.6	4.5
35	82	213	410	4.1	4.2	4.2
31	73	208	367	3.8	3.9	3.8

Dimming levels table		environmental temperature: 5°C				
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	1190	10.4	10.7	10.6
95	240	252	1130	9.9	10.2	10.0
90	226	250	1071	9.4	9.6	9.5
85	212	247	1011	8.8	9.1	9.0
80	199	245	953	8.3	8.5	8.4
75	185	242	892	7.8	7.9	7.8
70	172	240	833	7.3	7.5	7.4
65	159	237	775	6.8	7.0	6.9
60	146	234	716	6.4	6.5	6.4
55	133	230	656	5.9	6.0	6.0
50	120	227	596	5.4	5.6	5.5
45	107	222	534	5.0	5.1	5.0
40	95	218	478	4.6	4.7	4.6
35	82	213	416	4.2	4.2	4.2
31	73	208	372	3.9	3.9	3.9

Photometric test report

Family Streetlight 31 micro	Order number: 5XH1D71B08CA EAN: 4069025101518	LP number 59076_2968
Dimming levels table		environmental temperature: 15°C
		siteco

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W] average
				start of lifetime	end of lifetime	
100	254	254	1180	10.3	10.7	10.5
95	240	252	1121	9.9	10.1	10.0
90	226	250	1062	9.3	9.5	9.4
85	212	247	1003	8.7	9.0	8.8
80	199	245	946	8.3	8.4	8.4
75	185	242	885	7.7	7.9	7.8
70	172	240	828	7.2	7.4	7.3
65	158	237	765	6.7	6.9	6.8
60	145	233	706	6.3	6.4	6.4
55	132	230	647	5.8	6.0	5.9
50	120	227	592	5.4	5.5	5.4
45	107	222	531	5.0	5.0	5.0
40	95	218	474	4.5	4.6	4.6
35	82	213	413	4.1	4.2	4.2
31	73	208	369	3.8	3.9	3.8

Photometric test report

Family Streetlight 31 micro	Order number: 5XH1D71B08CA EAN: 4069025101518	LP number 59076_2968
Luminousfluxs table		siteco

Temperature °C	Luminous flux lm	Power consumption W
25.0	1170.0	10.3
5.0	1190.0	10.4
15.0	1180.0	10.3