

Photometric test report

Family
Streetlight 11 micro LED

Order number: 5XC1C41E08DE
EAN: 4058352583432

LP number
58063_72



Version post-top or side-entry mounting
Optic asymmetric, extremely wide distribution (P1.0a)
Cover transparent, PMMA
Lamps LED 4000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 3280 lm
 Power consumption = 25.6 W
 Luminous efficacy = 128.1 lm/W

serial
documentation
11.02.2022

siteco

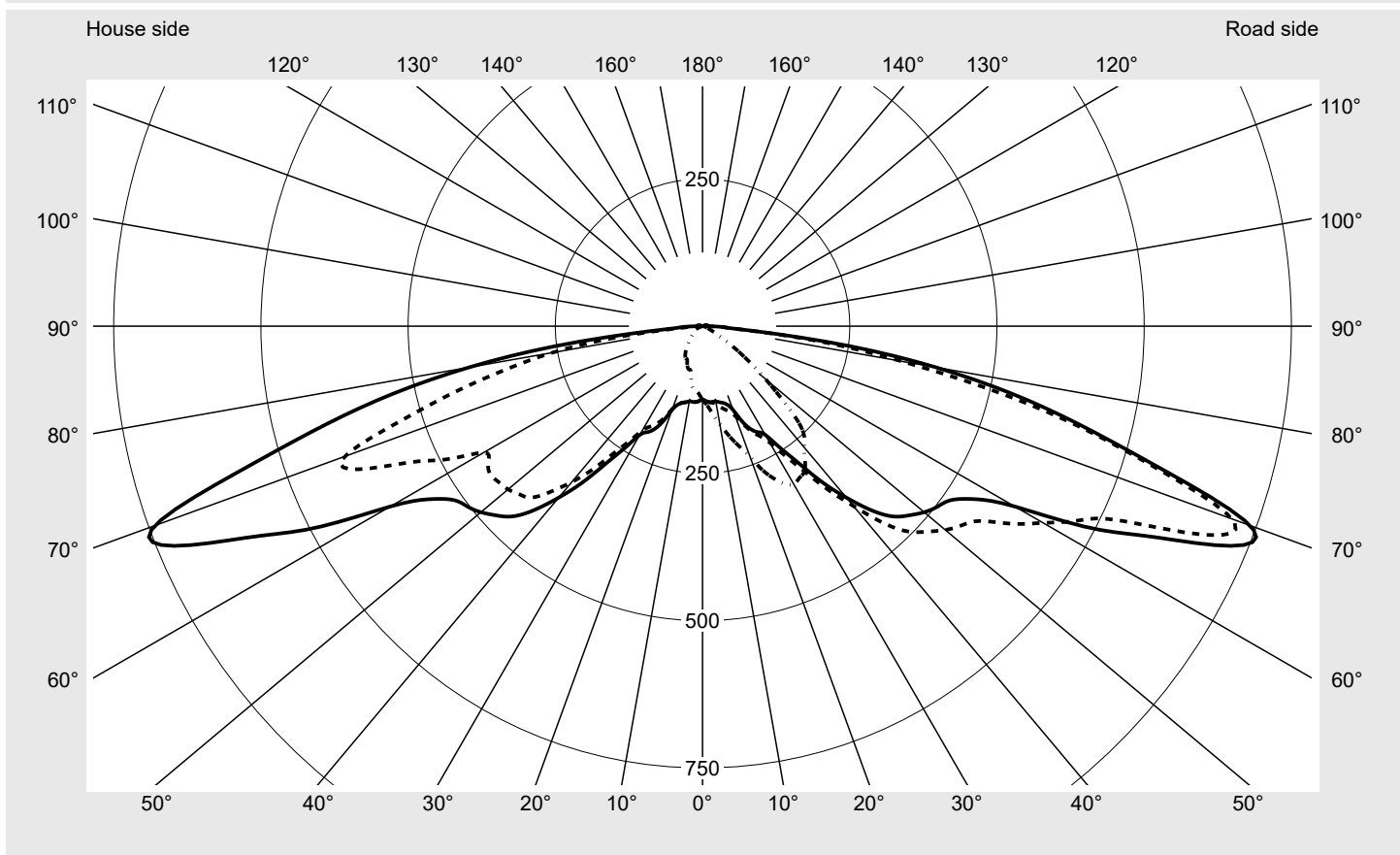
Luminous intensity in cd/klm

C180-0

C185-5

C270-90

Imax: 989 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:	---
Imax 70°	989.5
Imax 80°	402.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

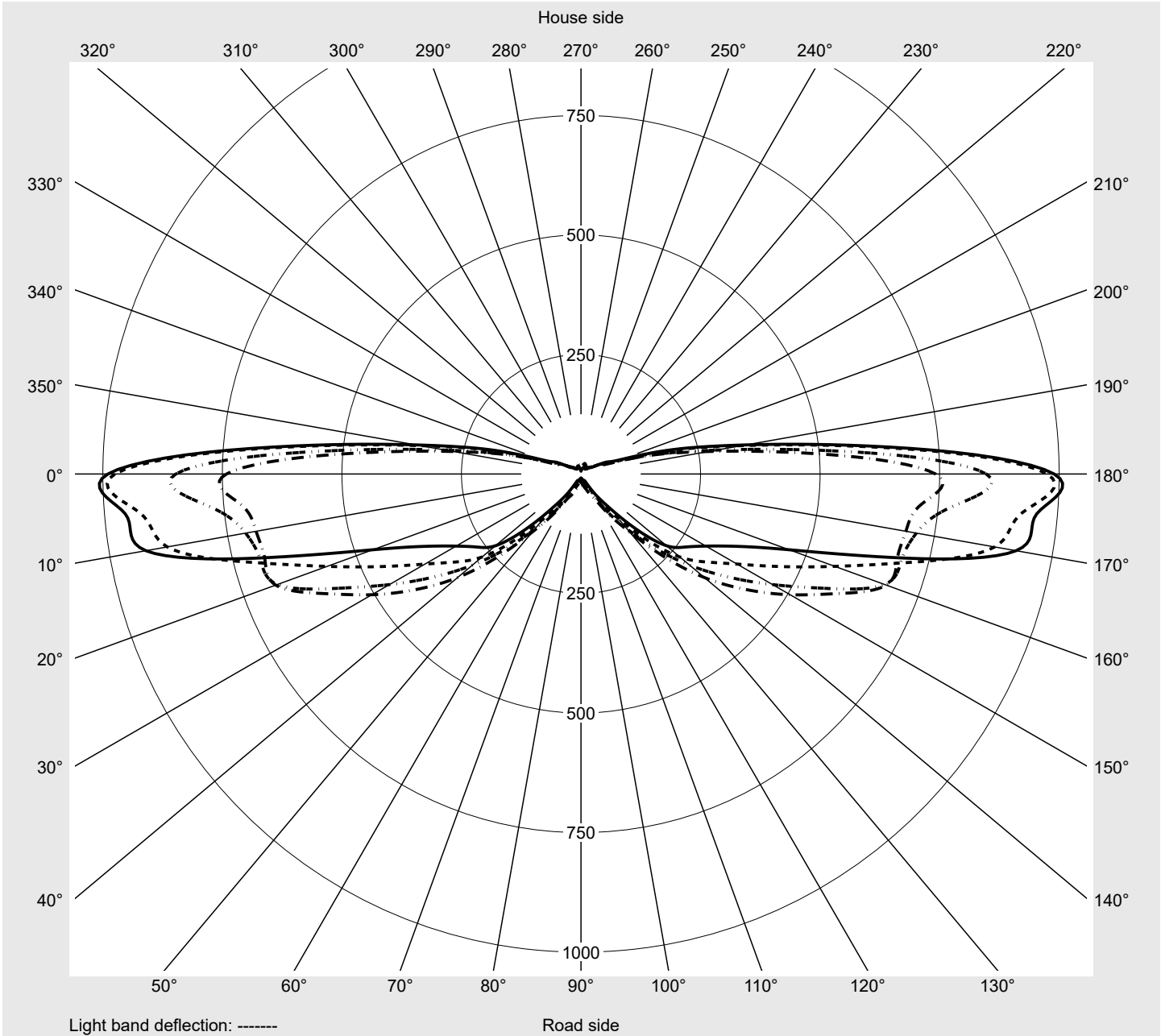
Measurement conditions

DIN EN 13032 and DIN 5032

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1C41E08DE EAN: 4058352583432	LP number 58063_72
---	--	------------------------------

Envelope curve in cd/klm **KMK 70°** **KMK 67.5°** **KMK 65°** **KMK 62.5°** **siteco**



Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1C41E08DE EAN: 4058352583432	LP number 58063_72
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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
2,5°	127.0	126.9	126.7	127.1	127.5	127.3	127.1	128.3	129.5	129.7	130.1	130.6	131.2
5,0°	129.4	129.7	129.9	131.6	133.3	133.8	134.2	136.5	138.5	139.4	140.0	140.9	141.8
7,5°	129.5	131.2	133.6	138.7	143.9	146.8	149.1	151.9	154.4	155.9	156.8	157.5	158.1
10,0°	129.7	134.2	139.4	146.6	153.6	158.3	162.1	165.8	169.0	171.3	173.3	173.9	174.6
12,5°	132.2	140.4	148.4	155.8	162.3	167.0	171.3	176.3	181.1	185.3	189.4	189.9	190.5
15,0°	134.8	146.4	156.9	164.5	170.7	176.6	182.2	188.1	194.0	199.8	205.5	206.6	207.7
17,5°	139.8	152.1	163.1	170.1	176.2	184.1	192.2	199.8	207.4	215.7	222.8	226.3	228.6
20,0°	151.0	162.2	172.4	179.8	187.1	197.9	208.5	215.8	222.4	230.5	237.9	242.4	245.9
22,5°	174.4	179.0	184.6	194.4	206.6	220.1	234.5	236.8	239.6	243.7	248.6	253.7	259.0
25,0°	192.5	197.2	200.3	212.0	224.9	242.0	260.4	258.9	257.4	259.0	261.2	265.2	269.7
27,5°	202.8	210.3	217.6	227.2	238.5	251.8	265.9	270.3	274.3	276.8	278.7	280.3	281.7
30,0°	213.1	228.0	242.7	251.7	258.7	264.6	271.4	282.3	294.5	293.7	292.8	288.0	283.7
32,5°	244.6	260.4	276.7	281.4	286.1	286.2	286.4	306.4	326.3	316.5	305.5	289.8	274.8
35,0°	282.9	300.1	316.1	317.6	319.2	314.0	308.8	326.9	345.1	329.2	310.9	285.5	257.6
37,5°	333.9	349.8	361.3	359.3	357.4	348.9	340.5	341.1	341.8	326.7	305.4	265.9	220.2
40,0°	379.9	398.5	411.0	406.7	402.4	389.4	375.8	360.7	343.6	326.1	299.9	252.8	198.4
42,5°	423.6	452.2	475.0	468.4	461.7	442.8	420.4	388.6	352.5	315.2	277.3	240.7	204.4
45,0°	456.8	492.9	524.2	518.3	512.3	487.3	457.2	413.0	362.6	308.3	258.7	224.8	201.4
47,5°	475.5	516.4	551.6	551.7	551.9	521.1	484.9	433.5	374.3	306.8	245.7	210.0	186.6
50,0°	491.4	538.2	578.7	582.9	587.1	549.7	507.2	451.2	386.1	306.4	233.6	193.5	167.9
52,5°	503.2	555.2	600.4	609.4	618.4	574.3	526.5	470.9	404.4	312.6	225.5	175.0	141.6
55,0°	514.9	576.5	631.8	638.3	644.8	591.1	535.5	478.3	409.9	308.7	211.5	155.7	119.1
57,5°	546.5	624.5	690.5	680.1	669.8	598.7	528.8	467.0	396.4	287.5	185.0	133.5	103.0
60,0°	612.4	667.9	723.5	703.4	683.3	601.3	522.1	456.0	382.9	270.8	166.0	114.7	85.6
62,5°	741.6	715.8	690.0	684.7	679.5	591.9	505.0	421.3	336.9	242.9	158.3	106.2	64.7
65,0°	847.5	779.9	712.2	694.0	675.7	566.2	462.6	375.5	296.7	219.8	150.6	96.0	46.7
67,5°	974.7	926.6	878.5	713.8	564.9	457.9	376.9	321.0	270.1	194.9	121.9	73.7	32.8
70,0°	989.5	956.7	924.0	674.9	463.3	357.9	301.7	266.3	233.4	162.9	91.8	51.1	19.0
72,5°	831.9	816.0	800.1	583.1	366.1	295.6	234.6	206.1	179.1	118.9	59.9	32.6	14.6
75,0°	681.5	667.1	652.6	470.2	287.8	232.2	183.0	156.1	129.7	81.8	27.9	19.4	11.0
77,5°	548.6	506.8	451.2	346.8	243.9	193.2	158.6	118.0	80.3	48.7	19.3	14.0	8.7
80,0°	402.4	343.4	286.5	233.7	187.8	156.1	126.6	84.0	44.9	25.8	12.7	9.5	6.7
82,5°	236.3	206.9	176.9	143.8	113.5	94.6	77.5	52.1	28.7	17.2	9.4	7.2	5.2
85,0°	70.2	68.8	67.3	53.3	39.3	39.7	40.0	27.0	15.8	10.1	6.1	4.8	3.6
87,5°	35.1	34.4	33.7	26.6	19.6	17.6	15.0	10.4	5.9	3.8	2.3	1.8	1.4
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

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1C41E08DE EAN: 4058352583432	LP number 58063_72
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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6
2,5°	131.1	130.9	130.9	130.9	131.4	131.9	126.9	126.8	126.1	125.5	125.9	126.3	126.8
5,0°	141.5	141.3	141.2	141.1	141.4	141.8	129.1	128.6	127.9	127.1	127.7	128.4	128.2
7,5°	157.8	157.4	157.6	157.8	156.3	154.8	129.6	129.6	129.5	129.3	130.9	132.4	129.8
10,0°	174.4	174.2	173.9	173.5	171.2	169.0	130.3	130.9	131.7	132.5	132.9	133.3	129.2
12,5°	191.4	192.5	190.0	187.6	185.8	184.3	132.5	132.7	134.6	136.6	133.1	128.7	122.0
15,0°	208.6	209.6	205.9	202.3	201.4	200.5	134.6	134.4	137.9	141.3	133.2	126.0	121.3
17,5°	227.3	225.9	221.2	216.4	216.5	216.6	139.7	139.6	143.5	147.3	135.2	123.1	136.0
20,0°	243.2	240.3	236.8	233.2	234.6	236.0	149.3	147.6	150.0	152.3	139.2	126.0	144.7
22,5°	255.9	252.7	253.2	253.7	258.5	263.4	167.4	159.8	158.4	156.9	150.7	144.4	150.0
25,0°	266.4	263.2	268.7	274.2	279.5	284.8	182.5	171.8	164.9	159.3	153.9	149.1	145.3
27,5°	279.5	277.3	278.7	280.0	290.8	301.5	192.1	180.4	169.0	157.3	144.5	132.5	124.7
30,0°	280.8	278.3	282.1	285.9	297.9	309.9	204.4	194.7	177.5	157.5	136.4	117.1	105.2
32,5°	265.9	258.9	270.2	281.7	293.6	305.8	231.5	215.7	189.9	160.5	129.5	102.7	89.7
35,0°	249.1	240.7	259.9	277.5	290.3	301.7	264.1	240.1	204.4	164.7	127.2	89.9	79.7
37,5°	221.8	223.5	244.4	263.2	275.5	285.6	306.6	270.5	223.9	172.9	123.8	74.6	67.8
40,0°	203.1	207.9	226.8	244.2	257.0	268.4	345.3	299.3	239.5	176.3	121.8	69.1	61.7
42,5°	201.2	197.9	209.1	221.7	238.2	256.0	381.0	325.6	248.6	172.7	120.2	83.0	62.5
45,0°	189.2	181.7	186.8	191.9	211.1	230.3	411.6	352.0	259.0	169.0	119.6	88.2	65.7
47,5°	170.0	157.1	152.5	147.9	164.8	181.6	422.2	353.0	248.0	149.8	105.3	81.5	60.8
50,0°	146.6	130.9	119.6	110.2	124.7	139.2	431.1	353.9	248.2	131.8	100.7	72.8	54.5
52,5°	116.3	98.9	87.1	77.9	90.5	103.0	435.6	350.8	238.4	115.6	86.2	60.3	45.3
55,0°	92.1	74.1	62.4	53.8	63.4	73.0	439.5	347.7	228.5	99.2	72.5	49.5	37.7
57,5°	77.0	58.9	48.1	40.5	44.9	49.2	431.5	306.1	191.4	78.2	58.5	38.8	32.3
60,0°	61.9	46.2	36.8	30.3	30.9	31.5	429.1	264.5	155.8	65.7	49.2	32.6	28.1
62,5°	49.8	36.7	29.4	24.0	22.9	21.8	489.6	270.9	151.9	66.0	48.8	34.0	26.1
65,0°	37.0	28.3	22.5	18.6	16.3	14.7	546.3	287.4	155.7	66.3	49.2	34.1	25.5
67,5°	26.6	20.9	16.7	13.7	12.1	11.0	635.2	341.7	186.3	76.8	54.4	32.0	24.6
70,0°	17.0	14.9	12.3	9.9	8.9	8.2	646.5	350.5	195.4	87.3	59.0	30.7	23.7
72,5°	12.4	10.4	8.9	7.6	7.1	6.6	541.4	290.6	159.2	67.5	48.8	32.7	24.1
75,0°	8.9	7.1	6.2	5.6	5.4	5.2	439.7	231.4	123.8	49.7	39.9	30.9	23.8
77,5°	7.0	5.5	4.7	4.2	3.9	3.7	344.9	171.2	87.0	32.7	27.6	22.8	18.7
80,0°	5.1	4.1	3.4	3.0	2.8	2.6	258.9	115.4	67.6	19.9	17.9	16.0	14.2
82,5°	4.0	3.2	2.6	2.2	2.0	1.9	151.3	66.3	39.6	12.8	11.7	10.8	10.3
85,0°	2.8	2.2	1.7	1.5	1.3	1.2	43.7	17.3	12.2	7.2	6.8	6.4	6.5
87,5°	1.0	0.8	0.7	0.6	0.5	0.5	21.9	8.7	5.7	2.7	2.5	2.4	2.4
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

Photometric test report

Family Streetlight 11 micro LED	Order number: 5XC1C41E08DE EAN: 4058352583432	LP number 58063_72
Table of values for luminous intensities		Maximum luminous intensity
		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°	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	124.6	0.2	0.2
2,5°	127.2	125.8	124.4	123.3	122.1	120.5	119.0	118.1	117.5	117.1	116.9	1.5	1.7
5,0°	128.1	126.3	124.3	121.4	118.6	116.5	114.7	113.2	111.9	111.2	110.6	3.1	4.8
7,5°	127.0	123.7	120.0	116.4	112.7	112.6	112.4	110.5	108.6	108.6	108.5	4.9	9.7
10,0°	124.9	120.3	115.8	112.0	108.5	109.2	110.0	107.5	105.2	103.7	102.4	6.7	16.4
12,5°	114.6	116.9	119.2	112.6	106.6	102.8	99.8	96.1	92.9	91.4	90.3	8.6	25.0
15,0°	117.6	120.0	122.5	113.4	104.8	97.8	91.6	86.0	80.6	79.4	78.2	10.7	35.8
17,5°	148.9	131.4	115.8	105.4	97.9	92.3	87.9	83.2	78.7	77.8	77.0	13.1	48.9
20,0°	163.4	134.0	109.1	96.8	90.1	85.0	81.7	78.8	76.7	75.2	73.9	15.6	64.5
22,5°	155.6	128.1	104.0	90.2	79.8	75.5	71.8	69.9	68.6	68.3	68.1	18.4	82.9
25,0°	141.8	117.6	96.2	81.8	72.0	66.1	62.0	61.3	60.5	61.4	62.2	21.2	104.0
27,5°	116.0	99.6	83.3	74.1	68.0	63.2	59.2	59.4	59.6	60.5	61.3	23.6	127.6
30,0°	95.5	83.3	72.6	67.1	63.5	60.0	56.8	57.8	58.8	58.8	58.8	26.0	153.7
32,5°	81.8	72.5	65.0	60.7	58.2	56.4	55.0	55.0	55.0	54.5	54.0	28.7	182.4
35,0°	70.4	63.1	57.7	55.0	53.4	53.3	53.2	51.9	50.8	49.8	48.8	31.6	214.0
37,5°	61.4	55.7	50.2	49.8	49.4	48.1	47.1	46.5	46.2	44.4	42.5	34.2	248.2
40,0°	54.7	49.2	44.3	44.7	45.2	43.5	41.9	41.5	41.1	39.1	37.2	37.2	285.4
42,5°	51.9	45.1	40.7	40.4	39.9	39.1	37.9	36.1	34.1	33.6	33.2	40.8	326.2
45,0°	48.4	42.9	37.4	36.5	35.7	35.1	34.6	31.8	29.0	29.2	29.4	43.8	370.0
47,5°	43.9	39.3	34.7	33.6	32.5	32.3	32.1	29.2	26.3	25.9	25.6	45.2	415.2
50,0°	39.3	35.4	31.5	30.7	29.8	29.9	30.0	27.1	24.2	23.3	22.5	46.6	461.8
52,5°	34.0	30.7	27.5	27.5	27.4	28.0	28.6	25.5	22.9	21.4	20.3	47.5	509.2
55,0°	29.6	26.8	24.0	24.7	25.5	26.4	27.4	24.5	21.8	19.9	18.2	48.2	557.5
57,5°	26.7	23.4	20.9	22.8	24.4	25.6	26.7	23.9	21.2	18.7	16.2	48.7	606.2
60,0°	24.0	21.0	18.4	20.7	22.9	24.5	25.9	23.3	20.5	17.4	14.3	49.2	655.4
62,5°	21.5	18.4	16.3	18.5	20.6	22.1	23.4	20.9	18.5	16.0	13.6	50.0	705.4
65,0°	19.0	16.9	14.7	16.6	18.4	19.6	20.7	18.3	16.0	14.4	13.0	51.1	756.5
67,5°	18.4	15.5	13.7	15.1	16.3	17.3	18.2	15.5	13.0	11.1	9.3	52.9	809.3
70,0°	17.7	14.9	13.2	13.5	13.8	14.3	14.9	12.2	9.7	7.8	6.1	50.7	860.0
72,5°	18.0	15.7	13.6	12.0	10.8	10.2	9.8	7.8	6.1	4.6	3.2	42.6	902.6
75,0°	18.4	15.3	13.2	10.3	7.8	6.7	5.8	4.1	2.4	1.3	0.4	34.3	936.9
77,5°	15.5	13.5	11.9	9.5	7.1	5.3	3.8	2.5	1.5	0.8	0.2	26.3	963.2
80,0°	12.5	11.3	9.9	8.1	6.1	3.9	1.7	1.2	0.6	0.3	0.0	18.8	982.0
82,5°	9.6	8.2	6.6	5.4	4.3	2.9	1.3	0.8	0.4	0.2	0.1	11.5	993.5
85,0°	6.6	5.1	3.8	3.2	2.7	1.8	0.9	0.5	0.3	0.2	0.2	4.4	997.9
87,5°	2.5	1.9	1.4	1.2	1.0	0.7	0.3	0.2	0.1	0.1	0.1	2.0	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 micro LED	Order number: 5XC1C41E08DE EAN: 4058352583432	LP number 58063_72
---	--	------------------------------

Dimming levels table	environmental temperature: 25°C	siteco
-----------------------------	---------------------------------	---------------

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	3280	25.6	26.3	26.0
95	241	252	3112	24.2	24.8	24.5
90	229	250	2957	22.8	23.4	23.1
85	216	248	2789	21.5	22.0	21.8
80	203	246	2621	20.0	20.5	20.2
75	190	243	2454	18.7	19.2	19.0
70	178	241	2299	17.5	17.9	17.7
65	165	238	2131	16.1	16.5	16.3
60	152	235	1963	14.9	15.2	15.0
55	140	232	1808	13.8	14.0	13.9
50	127	229	1640	12.4	12.7	12.6
45	114	225	1472	11.2	11.5	11.4
40	102	221	1317	10.2	10.4	10.3
35	89	216	1149	9.0	9.2	9.1
30	76	210	981	7.8	7.9	7.8
25	63	203	814	6.7	6.8	6.8
20	51	195	659	5.7	5.8	5.8
15	38	184	491	4.6	4.7	4.6
15	37	183	478	4.5	4.6	4.6