

Photometric test report

Family
Streetlight 21 micro LED

Order number: 5XE1H31G08DB
EAN: 4058352740439

LP number
59066_606



Version post-top or side-entry mounting
Optic direct, asymmetric
A520002
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 4730 lm
Power consumption = 36.4 W
Luminous efficacy = 129.9 lm/W

serial
documentation
26.10.2022

siteco

Luminous intensity in cd/klm

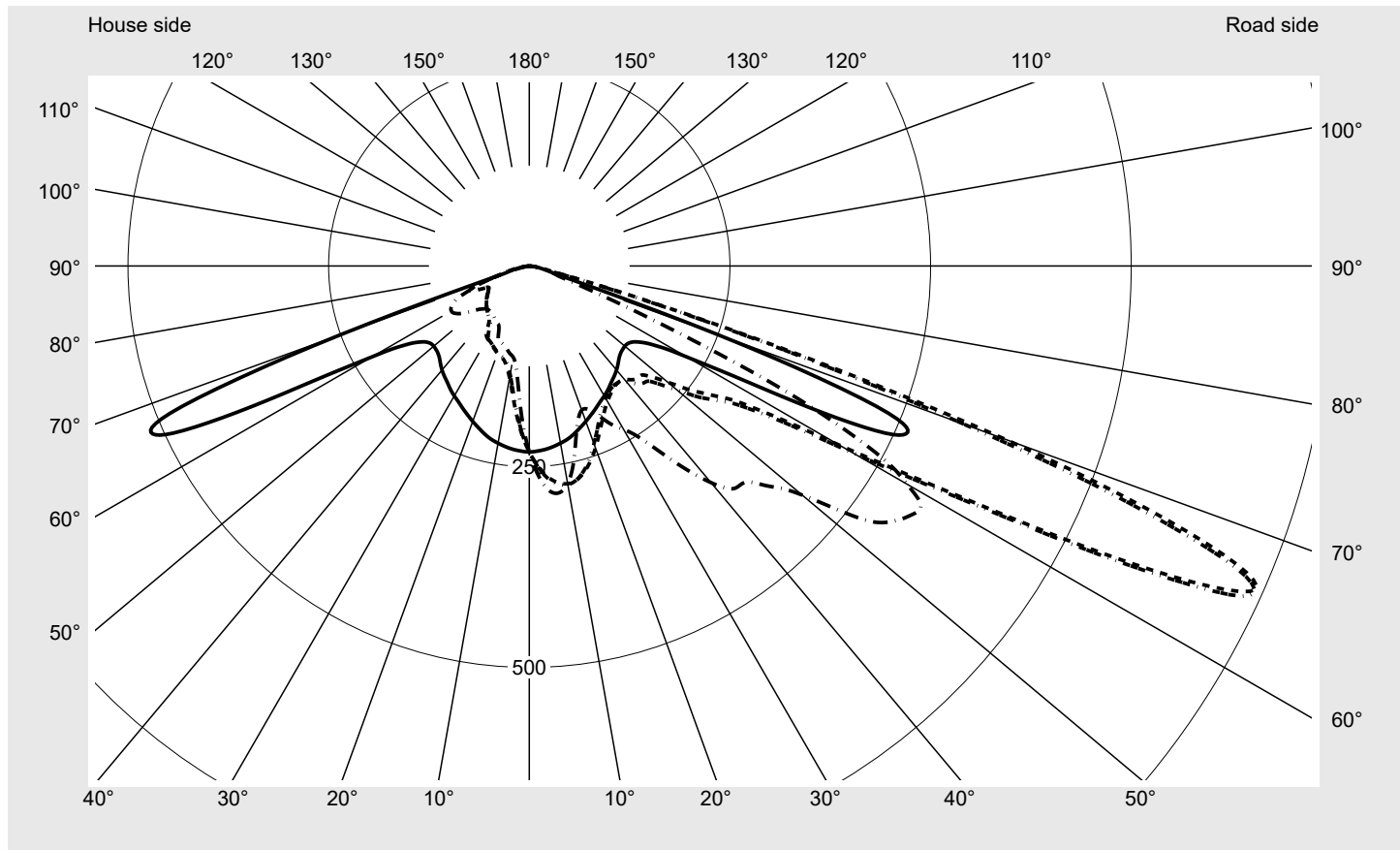
C180-0

C215-35

C217,5-37,5

C270-90

Imax: 990 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

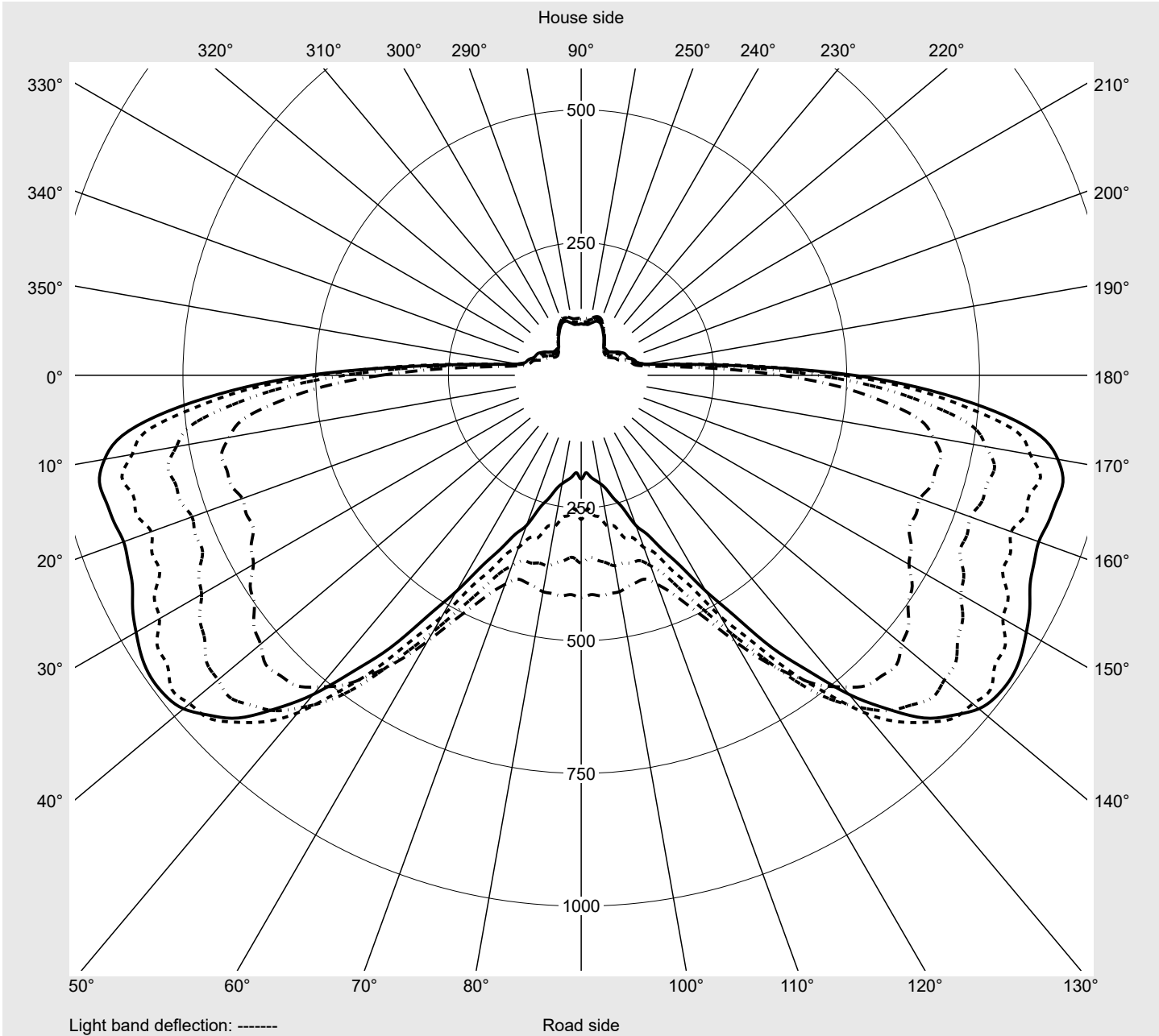
Luminous intensity class acc. to EN13201-2

Class:	G3
Imax 70°	685.4
Imax 80°	32.5
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

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Envelope curve in cd/klm **KMK 66°** **KMK 65°** **KMK 64°** **KMK 63°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	0,0° 180,0°	2,5° 177,5°	5,0° 175,0°	7,5° 172,5°	10,0° 170,0°	12,5° 167,5°	15,0° 165,0°	17,5° 162,5°	20,0° 160,0°	22,5° 157,5°	25,0° 155,0°	27,5° 152,5°	30,0° 150,0°	32,5° 147,5°	35,0° 145,0°
γ	Luminous intensity in cd/klm														
0,0°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	230.8	232.1	233.5	235.0	236.4	238.0	239.2	240.8	242.2	243.7	244.7	246.0	247.0	248.4	249.3
5,0°	229.3	232.1	235.0	237.8	240.5	243.5	246.0	248.8	251.2	253.8	255.7	258.0	259.7	261.9	263.5
7,5°	227.0	231.2	235.4	239.5	243.3	247.2	250.8	254.3	257.4	260.6	263.2	265.8	268.0	270.2	272.1
10,0°	224.1	229.7	235.1	240.2	244.8	249.6	253.9	257.8	261.5	264.7	267.4	269.7	272.0	273.9	275.3
12,5°	220.8	227.4	233.9	239.8	245.2	250.5	255.1	259.2	262.7	265.7	268.2	270.0	271.5	272.2	272.9
15,0°	216.3	223.7	231.1	237.8	243.7	249.2	254.1	258.2	261.5	263.8	265.7	266.4	266.8	266.1	265.4
17,5°	211.1	219.7	227.9	235.1	241.3	247.0	251.9	255.6	258.4	259.9	260.5	260.0	258.9	256.8	254.3
20,0°	206.0	215.3	224.3	232.1	238.6	244.3	249.2	252.2	254.3	254.4	254.0	251.4	249.2	244.8	241.1
22,5°	200.8	211.2	221.0	229.4	236.2	241.9	246.2	248.6	249.4	248.2	246.1	242.2	237.9	232.5	227.1
25,0°	195.8	207.2	218.1	226.9	234.0	239.6	243.3	244.7	244.4	241.7	238.3	232.4	227.1	220.2	214.2
27,5°	190.9	203.6	215.3	225.0	232.4	237.9	240.9	241.5	239.8	235.9	230.6	223.8	216.8	209.7	203.2
30,0°	186.8	200.6	213.2	223.7	231.5	237.0	239.4	238.8	235.9	230.4	223.9	216.1	208.4	201.0	194.9
32,5°	182.5	197.3	211.0	222.2	230.5	235.8	237.5	236.0	232.1	225.4	217.9	209.1	201.4	194.1	188.7
35,0°	177.6	193.9	208.6	220.8	229.5	234.6	235.6	233.2	228.2	220.8	212.4	203.4	195.6	189.1	184.4
37,5°	173.5	191.2	207.1	220.1	228.6	233.4	234.1	231.1	225.0	216.7	207.7	198.7	191.0	185.4	182.5
40,0°	169.1	188.4	205.3	218.3	227.6	232.7	233.2	229.4	222.7	214.0	204.7	196.0	189.0	185.2	184.7
42,5°	164.0	184.7	202.5	217.7	227.6	233.1	233.4	229.1	221.7	212.6	203.4	195.4	190.3	189.1	192.0
45,0°	159.1	180.8	200.1	216.8	227.3	232.5	231.9	226.5	218.1	208.1	198.9	191.2	187.9	188.7	194.7
46,0°	157.8	179.9	200.1	217.5	228.1	233.2	232.3	226.3	217.0	206.6	197.0	189.7	186.7	188.6	195.5
47,0°	156.7	179.5	200.9	218.9	230.0	235.2	233.9	227.5	217.7	206.9	197.3	190.6	188.6	192.0	200.3
48,0°	156.1	179.8	202.1	221.0	232.4	237.9	236.5	229.8	219.7	209.2	199.4	193.6	192.4	197.4	207.1
49,0°	155.6	180.5	204.0	224.2	235.9	242.0	239.9	233.7	223.2	212.9	202.9	198.6	198.0	205.1	215.2
50,0°	155.4	181.5	206.6	227.9	240.4	246.6	244.9	238.4	227.9	217.4	208.6	204.7	205.9	213.5	225.4
51,0°	155.6	183.4	210.0	232.5	245.5	252.1	250.6	244.1	233.8	223.6	215.5	212.7	215.0	223.6	236.0
52,0°	156.5	186.4	214.6	238.5	252.7	259.8	258.3	251.4	241.1	231.7	224.6	222.9	226.3	235.7	248.7
53,0°	158.2	190.2	220.0	245.5	260.8	268.3	266.7	259.9	249.5	240.4	233.8	233.0	237.2	247.0	259.7
54,0°	160.8	195.0	227.2	254.3	270.6	278.7	276.8	269.9	259.3	250.3	244.2	244.0	248.1	257.9	270.2
55,0°	165.0	202.0	236.7	266.3	283.7	292.2	290.2	283.0	272.0	262.5	256.4	256.1	260.8	270.5	281.8
56,0°	170.4	210.7	248.2	280.4	298.7	307.9	305.3	298.2	286.1	276.2	269.4	269.7	273.9	283.6	294.0
57,0°	177.7	223.0	262.3	299.8	316.8	329.5	324.0	318.7	302.6	295.2	285.9	289.1	290.8	303.2	311.4
58,0°	188.5	238.1	282.9	322.2	342.1	354.2	349.7	342.4	327.5	318.8	311.1	314.1	318.0	331.0	340.5
59,0°	202.8	259.2	308.4	353.4	373.8	388.0	382.3	376.1	359.5	353.2	345.2	351.7	355.6	371.7	381.9
60,0°	226.7	292.6	348.5	400.9	422.6	439.3	432.7	428.0	410.5	408.2	401.1	412.1	417.2	437.5	446.9
61,0°	258.9	337.3	402.8	461.1	485.1	504.4	496.9	495.0	478.9	479.9	474.0	489.2	495.1	517.8	526.5
62,0°	305.9	397.9	474.0	538.2	566.1	585.7	580.0	579.3	566.8	569.4	566.9	583.1	592.2	615.2	626.6
63,0°	376.8	485.7	572.4	643.8	673.0	693.9	690.7	691.1	679.0	682.7	681.2	701.0	712.7	739.1	751.5
64,0°	445.5	568.1	665.1	744.5	774.1	797.4	790.9	791.3	779.9	786.4	786.6	812.3	825.4	852.0	865.8
65,0°	495.0	632.1	738.6	829.7	858.7	886.0	873.6	877.2	861.5	875.0	875.6	906.4	916.8	946.9	951.5
66,0°	513.8	658.5	782.3	871.9	911.4	929.3	925.7	922.2	917.0	923.1	932.7	952.3	967.9	982.2	990.2
67,0°	508.5	661.1	795.9	889.2	934.5	951.1	947.5	940.1	933.8	932.2	938.8	945.2	958.1	960.7	964.9
68,0°	466.0	617.4	764.5	863.0	925.7	939.0	938.7	922.0	913.7	896.4	897.6	890.7	899.1	886.6	886.2
69,0°	371.7	497.6	641.9	733.7	818.0	835.7	853.6	833.8	831.3	805.0	808.8	792.2	799.4	776.0	771.5
70,0°	249.4	329.2	462.6	512.5	616.1	619.2	684.6	658.9	685.4	649.9	668.6	640.4	659.0	623.9	631.0
71,0°	120.6	165.3	231.1	264.3	329.8	356.3	414.7	435.7	481.5	475.9	492.1	480.1	491.4	471.4	468.5
72,0°	57.4	71.1	94.1	106.4	137.1	155.7	195.8	224.8	285.6	304.7	329.0	324.3	338.2	325.6	326.9

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Table of values for luminous intensities		Maximum luminous intensity
siteco		

C-planes	37,5° 142,5°	40,0° 140,0°	42,5° 137,5°	45,0° 135,0°	47,5° 132,5°	50,0° 130,0°	52,5° 127,5°	55,0° 125,0°	57,5° 122,5°	60,0° 120,0°	62,5° 117,5°	65,0° 115,0°	67,5° 112,5°	70,0° 110,0°	72,5° 107,5°
γ	Luminous intensity in cd/klm														
0,0°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	250.6	251.2	252.4	253.0	254.3	254.8	255.7	256.1	257.0	257.4	258.3	258.7	259.6	259.8	260.5
5,0°	265.5	266.7	268.4	269.4	271.0	271.9	273.4	273.9	275.2	275.7	277.0	277.3	278.4	278.6	279.4
7,5°	273.9	275.4	276.8	277.9	279.1	280.0	280.8	281.5	282.1	282.5	283.0	283.5	283.7	284.0	284.2
10,0°	276.5	277.5	278.1	278.5	278.5	278.7	278.5	278.5	277.9	277.8	277.1	277.1	276.5	276.5	275.8
12,5°	272.7	272.7	271.5	271.0	269.2	268.5	266.3	265.5	262.9	262.2	259.5	259.0	256.6	256.4	254.1
15,0°	263.6	262.1	259.2	257.0	253.5	250.9	247.5	245.1	241.5	239.2	235.9	234.3	231.3	230.0	227.6
17,5°	250.9	247.5	243.2	239.5	235.1	231.3	227.1	223.6	219.8	216.9	213.7	211.6	209.1	207.4	205.7
20,0°	235.6	231.8	225.5	221.6	215.9	212.5	207.7	205.2	201.3	199.5	196.7	195.5	193.5	193.1	191.7
22,5°	221.1	215.7	209.8	205.4	200.9	197.8	194.8	192.9	191.1	190.2	189.4	189.2	189.2	189.4	189.8
25,0°	207.5	202.8	197.5	194.4	191.1	189.7	188.6	188.6	189.4	190.0	191.6	192.5	194.4	195.2	197.3
27,5°	197.7	193.5	190.0	188.3	187.7	188.4	190.0	192.4	195.5	198.5	201.5	203.9	206.2	207.7	209.5
30,0°	190.2	187.3	185.7	186.1	188.0	191.3	195.8	200.9	206.5	211.1	215.5	217.9	220.1	221.0	222.6
32,5°	185.1	183.8	184.2	186.7	191.2	197.3	204.6	211.8	219.6	225.3	230.7	233.3	235.9	236.5	238.9
35,0°	182.5	182.9	185.7	190.5	197.4	205.9	215.5	224.8	234.4	242.3	249.2	253.7	257.2	259.8	263.6
37,5°	182.7	185.8	191.6	199.1	209.1	220.7	233.2	245.6	258.3	268.5	277.7	283.9	289.9	294.3	299.7
40,0°	187.9	194.3	203.9	215.0	229.1	243.5	259.2	274.0	289.7	301.3	312.2	318.8	325.4	328.9	334.1
42,5°	199.3	210.1	224.3	239.2	256.1	273.1	289.7	304.7	319.3	330.8	340.2	346.9	351.7	354.8	358.5
45,0°	204.5	217.9	233.2	249.0	265.0	280.5	294.0	306.4	317.4	327.0	334.8	340.6	344.7	348.4	352.6
46,0°	206.5	220.9	237.3	253.7	269.6	284.3	296.6	307.8	317.5	325.9	333.1	338.9	343.3	347.8	353.1
47,0°	212.7	228.1	245.0	261.0	276.5	289.8	301.0	310.7	319.2	326.6	334.2	340.8	346.4	352.1	358.9
48,0°	220.9	236.3	253.2	268.7	283.5	295.6	305.5	313.6	321.4	328.4	336.6	344.1	351.5	358.4	366.8
49,0°	230.7	245.4	262.5	276.7	290.9	301.0	310.1	316.8	324.1	330.9	339.9	348.5	358.2	365.9	376.3
50,0°	240.7	256.0	271.5	285.4	297.9	307.1	314.6	320.4	327.1	334.5	344.0	354.1	364.5	374.0	385.5
51,0°	251.4	266.4	281.1	293.5	304.7	312.7	318.9	324.1	330.5	338.5	348.6	359.7	371.7	383.2	397.5
52,0°	263.7	277.7	290.8	301.8	311.4	318.2	323.3	328.0	334.7	343.1	354.5	367.8	383.9	399.7	418.6
53,0°	273.9	286.9	298.6	308.1	316.2	322.1	326.7	331.5	338.9	349.1	364.7	382.0	402.7	421.5	442.5
54,0°	283.5	295.3	306.0	314.2	320.6	325.7	330.5	336.3	347.4	362.2	382.9	403.3	427.0	448.0	468.4
55,0°	293.9	304.3	313.9	320.8	327.0	332.2	339.4	350.0	367.8	386.9	411.5	433.6	455.3	472.0	486.9
56,0°	305.8	315.2	324.4	330.5	338.2	345.8	359.1	374.9	398.3	418.2	442.5	458.6	472.7	484.1	495.5
57,0°	326.3	332.2	344.5	348.0	361.4	371.7	397.0	411.3	439.6	451.4	468.8	475.4	484.0	490.3	499.6
58,0°	355.1	362.7	375.0	381.7	400.5	418.3	444.6	461.3	478.0	482.6	488.9	489.6	490.8	493.8	501.5
59,0°	399.4	405.6	421.8	431.9	458.5	477.3	502.4	507.9	514.5	509.9	507.2	500.1	495.8	495.0	499.9
60,0°	466.4	472.7	495.5	509.7	542.1	553.6	566.0	559.6	554.3	538.4	524.6	508.9	496.8	490.4	488.2
61,0°	548.8	556.9	585.1	600.9	627.0	625.8	625.2	606.8	588.1	560.5	536.1	511.6	489.7	475.0	464.7
62,0°	648.8	661.9	690.0	699.6	708.4	696.2	680.6	650.3	616.5	577.3	539.0	501.5	470.3	452.2	441.2
63,0°	776.9	788.2	806.0	800.6	793.3	766.4	735.4	688.6	636.5	578.4	522.3	479.1	443.2	419.1	402.8
64,0°	888.9	892.8	897.9	878.6	856.9	816.8	768.4	702.3	624.6	557.9	497.0	447.2	404.8	381.9	366.0
65,0°	971.8	962.7	954.7	924.1	885.4	829.8	752.1	676.0	590.1	524.8	450.2	405.9	362.2	345.2	320.4
66,0°	988.9	977.5	948.3	913.1	852.2	784.8	701.4	626.6	537.4	470.0	405.4	362.7	324.0	301.0	263.1
67,0°	949.7	932.5	888.7	849.7	775.5	711.3	627.4	556.9	475.6	420.4	360.1	318.1	277.7	257.2	212.6
68,0°	855.2	831.2	772.5	730.8	655.3	598.9	524.2	472.3	406.6	355.2	298.2	265.8	236.2	218.4	168.6
69,0°	731.2	703.7	643.1	604.5	535.5	491.5	437.0	393.4	330.4	293.0	253.4	228.5	201.7	185.0	134.8
70,0°	577.9	565.0	499.2	476.7	415.0	393.7	332.9	307.3	263.9	243.4	207.5	190.7	164.7	152.0	105.1
71,0°	434.8	414.3	373.8	351.6	310.3	282.6	253.4	237.7	210.9	192.0	167.9	152.1	133.3	121.0	84.2
72,0°	303.8	292.7	265.7	246.0	214.4	207.7	189.9	180.5	162.0	149.7	132.0	120.1	105.5	96.4	69.2

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Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	75,0° 105,0°	77,5° 102,5°	80,0° 100,0°	82,5° 97,5°	85,0° 95,0°	87,5° 92,5°	90,0°	182,5° 357,5°	185,0° 355,0°	187,5° 352,5°	190,0° 350,0°	192,5° 347,5°	195,0° 345,0°	197,5° 342,5°	200,0° 340,0°
γ	Luminous intensity in cd/klm														
0,0°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	260.4	260.9	260.8	261.4	261.2	261.6	261.3	229.1	227.6	225.9	224.4	222.7	221.6	219.9	218.8
5,0°	279.4	280.0	280.0	280.6	280.5	281.0	280.5	225.9	222.7	219.1	216.1	212.4	209.6	205.9	203.2
7,5°	284.2	284.2	284.5	284.5	284.7	284.7	284.9	221.9	216.9	211.7	206.8	201.5	196.9	191.7	187.1
10,0°	275.8	275.1	275.4	274.9	275.4	274.9	275.3	217.6	211.1	204.2	197.7	190.9	184.8	178.2	172.3
12,5°	254.3	252.3	253.2	251.7	253.1	251.8	253.1	212.7	204.8	196.5	188.9	180.5	173.5	165.6	159.3
15,0°	227.1	225.2	225.0	223.7	224.2	223.3	224.0	206.7	197.4	188.0	179.0	169.8	162.0	153.9	147.0
17,5°	204.7	203.5	203.0	202.2	202.2	201.8	202.0	200.6	190.0	179.6	169.5	159.8	151.4	143.4	136.9
20,0°	191.7	191.0	191.2	190.6	191.0	190.7	191.1	193.9	182.7	170.6	160.5	149.8	141.9	134.0	128.7
22,5°	190.2	191.0	191.7	192.5	193.0	193.5	193.6	187.7	175.0	162.5	151.4	141.0	133.0	126.4	121.7
25,0°	198.2	200.7	201.9	204.3	204.9	206.9	206.2	181.4	167.9	154.6	143.4	133.2	126.1	120.0	116.6
27,5°	211.3	214.1	217.1	219.8	221.7	222.7	222.7	175.7	161.0	147.6	136.1	126.7	120.0	115.4	112.9
30,0°	224.3	227.9	232.0	235.6	236.6	235.9	235.1	170.3	154.9	141.0	129.6	120.7	114.9	111.3	109.6
32,5°	240.8	246.6	251.4	255.8	254.7	253.5	252.0	164.7	148.5	134.3	123.3	115.0	110.3	107.5	106.2
35,0°	268.7	276.4	281.5	283.5	282.0	281.5	281.2	158.8	141.7	127.7	117.1	110.0	106.1	104.1	103.1
37,5°	304.7	311.0	314.1	315.7	315.8	317.2	317.5	153.0	135.2	121.2	111.2	105.0	102.3	100.8	100.0
40,0°	337.5	343.5	346.4	349.2	349.3	351.9	352.2	147.2	128.9	114.9	105.8	100.6	98.7	97.6	97.0
42,5°	362.4	367.0	370.2	372.4	373.5	375.5	376.2	140.9	122.3	108.9	100.8	96.8	95.4	94.4	93.6
45,0°	358.7	364.3	369.8	373.7	376.8	380.1	381.0	135.0	115.9	103.1	96.1	93.3	92.2	91.3	90.5
46,0°	360.7	368.3	375.1	380.1	383.5	387.2	388.4	133.0	113.9	101.2	94.6	92.0	91.1	90.0	89.3
47,0°	367.5	377.2	385.0	391.0	395.0	399.0	400.4	131.3	111.8	99.2	93.1	90.7	89.6	88.7	88.0
48,0°	375.6	387.1	395.5	402.4	406.0	410.7	411.8	129.8	110.0	97.6	91.9	89.5	88.6	87.5	86.9
49,0°	384.8	397.9	406.2	414.8	418.0	424.4	424.5	128.3	108.4	96.0	90.6	88.2	87.5	86.4	85.7
50,0°	396.0	410.0	420.8	430.9	436.2	442.8	443.7	127.4	106.8	94.6	89.3	87.2	86.4	85.4	84.6
51,0°	411.8	428.8	442.2	454.1	461.0	467.8	469.2	126.7	105.6	93.4	88.2	86.2	85.4	84.4	83.6
52,0°	435.8	454.7	468.9	482.4	489.8	498.2	499.3	126.4	104.5	92.2	87.3	85.4	84.6	83.6	82.4
53,0°	461.4	482.3	496.6	509.6	517.3	524.9	526.7	126.5	103.7	91.4	86.4	84.7	83.7	83.0	81.2
54,0°	486.3	504.2	516.5	527.8	535.2	541.5	543.7	127.4	103.5	90.7	85.9	84.1	83.1	82.4	79.9
55,0°	502.0	517.7	528.8	538.1	545.5	551.4	553.9	128.9	103.6	90.2	85.3	83.5	82.5	81.7	78.4
56,0°	509.0	524.3	535.7	545.5	553.6	559.9	562.2	131.6	104.4	90.1	85.0	83.0	82.2	81.4	76.7
57,0°	513.0	530.3	542.0	552.3	560.1	566.9	568.6	135.6	106.0	90.7	85.1	83.0	82.1	81.0	75.1
58,0°	516.1	532.7	545.9	556.0	564.9	570.9	573.3	141.7	109.0	92.0	85.5	83.4	82.3	81.1	73.4
59,0°	513.9	528.3	541.3	549.1	558.4	562.3	566.7	150.7	113.6	94.1	86.6	84.0	82.9	81.4	72.4
60,0°	498.1	506.1	517.8	523.8	534.2	538.2	543.3	166.2	121.4	98.4	88.8	85.7	84.6	82.5	72.4
61,0°	471.3	480.1	492.8	500.0	510.2	512.5	518.2	187.6	133.2	104.9	92.4	88.3	86.8	84.4	73.8
62,0°	444.4	449.1	458.1	462.5	469.4	469.7	475.2	219.1	151.6	114.8	98.2	92.8	90.7	87.5	77.2
63,0°	403.7	407.6	414.0	414.7	417.1	413.7	419.1	270.0	182.5	132.1	107.6	99.9	96.7	92.7	82.9
64,0°	366.1	362.5	364.3	356.0	349.6	343.7	353.8	321.3	216.4	151.0	117.3	106.4	102.2	97.8	88.9
65,0°	317.4	291.4	289.3	270.1	264.4	252.1	271.8	355.7	238.4	162.6	123.2	109.7	105.4	101.0	93.7
66,0°	241.7	220.2	207.4	199.1	191.1	184.2	195.6	348.6	231.5	157.6	121.4	108.9	105.4	101.7	96.3
67,0°	175.0	157.4	148.3	141.7	137.2	131.1	138.8	316.8	193.3	134.1	110.9	102.8	101.1	98.3	95.2
68,0°	117.8	104.2	99.6	95.9	93.4	89.4	95.1	258.3	142.7	99.1	89.6	86.6	89.3	87.2	87.0
69,0°	82.1	70.5	67.8	64.9	63.7	62.0	65.3	185.3	97.0	71.2	68.1	67.2	71.2	71.7	73.1
70,0°	58.7	49.5	49.0	46.5	46.8	44.7	48.0	111.0	62.7	49.7	50.0	48.0	52.3	52.4	56.6
71,0°	45.2	40.1	39.7	39.0	38.8	38.4	38.6	60.9	42.5	38.9	38.8	38.7	39.9	40.3	42.3
72,0°	40.2	36.8	36.7	35.7	35.4	34.9	35.2	39.6	35.4	33.9	34.1	34.4	35.0	34.9	35.7

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	202,5° 337,5°	205,0° 335,0°	207,5° 332,5°	210,0° 330,0°	212,5° 327,5°	215,0° 325,0°	217,5° 322,5°	220,0° 320,0°	222,5° 317,5°	225,0° 315,0°	227,5° 312,5°	230,0° 310,0°	232,5° 307,5°	235,0° 305,0°	237,5° 302,5°
γ	Luminous intensity in cd/klm														
0,0°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6
2,5°	216.9	215.6	213.9	212.7	211.1	210.0	208.2	207.3	205.6	204.8	203.2	202.6	201.1	200.6	199.2
5,0°	199.3	196.5	192.8	190.4	186.8	184.7	181.1	179.2	176.0	174.3	171.1	169.9	167.1	165.9	163.4
7,5°	182.0	177.4	172.5	168.6	164.1	160.5	156.4	153.4	149.9	147.3	144.2	142.3	139.5	138.1	135.8
10,0°	165.9	160.5	154.8	150.1	145.3	141.4	137.3	134.5	131.1	128.9	126.3	124.6	122.8	121.6	120.0
12,5°	152.1	146.7	140.8	136.6	132.2	129.1	125.7	123.6	121.2	119.7	118.1	117.3	116.2	115.7	114.9
15,0°	140.4	135.2	130.6	127.1	123.8	121.6	119.7	118.5	117.5	116.7	115.8	114.9	114.1	113.3	112.5
17,5°	131.4	127.0	123.6	121.2	119.5	118.4	117.4	116.6	115.6	114.7	113.6	112.7	111.7	110.7	109.8
20,0°	123.7	120.9	118.4	117.4	116.5	115.8	114.7	113.9	112.8	112.1	110.9	110.2	109.2	108.4	107.5
22,5°	118.1	116.4	115.2	114.3	113.3	112.5	111.6	110.8	110.0	109.3	108.4	107.8	107.1	106.5	105.8
25,0°	114.4	113.2	112.0	111.3	110.1	109.4	108.6	108.0	107.1	106.8	106.2	105.8	105.2	104.9	104.2
27,5°	111.3	110.3	109.3	108.3	107.4	106.5	105.9	105.2	104.1	103.2	102.2	101.1	99.8	97.6	93.5
30,0°	108.2	107.5	106.3	105.5	104.8	104.2	102.6	99.3	96.3	94.4	92.4	90.9	88.8	87.0	86.2
32,5°	105.1	104.4	103.5	102.8	101.7	99.5	92.6	88.5	86.7	86.2	85.5	85.3	85.1	85.3	85.3
35,0°	102.2	101.2	99.9	98.0	95.0	88.5	84.3	84.0	83.7	83.7	83.8	84.0	84.1	83.8	83.3
37,5°	99.1	96.1	91.9	88.5	84.8	82.2	81.9	82.0	82.1	82.2	82.2	81.9	81.5	81.2	80.9
40,0°	95.6	87.2	82.1	80.5	79.7	79.7	79.8	80.2	80.3	80.1	79.7	79.5	79.1	78.9	78.5
42,5°	90.5	79.2	77.1	77.0	76.9	77.3	77.6	77.8	77.7	77.7	77.5	77.5	77.3	77.2	77.1
45,0°	85.6	74.9	74.0	74.0	74.3	74.7	75.0	75.3	75.4	75.7	75.9	76.0	76.0	76.0	76.2
46,0°	83.7	73.6	72.8	73.0	73.3	73.7	73.9	74.4	74.6	75.0	75.3	75.6	75.7	75.7	76.0
47,0°	81.8	72.1	71.7	71.9	72.1	72.5	72.8	73.3	73.7	74.3	74.6	75.0	75.2	75.6	75.8
48,0°	79.9	70.8	70.5	70.8	71.0	71.4	71.9	72.4	73.0	73.6	74.1	74.6	75.0	75.3	75.9
49,0°	77.8	69.7	69.4	69.8	69.8	70.5	70.7	71.4	72.0	72.8	73.4	74.1	74.7	75.3	75.9
50,0°	75.8	68.2	68.2	68.6	68.6	69.3	69.5	70.4	71.1	71.9	72.7	73.6	74.4	75.1	75.9
51,0°	73.8	66.9	67.1	67.4	67.5	68.1	68.6	69.4	70.2	71.2	72.1	73.1	73.9	75.0	76.0
52,0°	71.7	65.6	65.9	66.2	66.3	66.8	67.5	68.4	69.2	70.2	71.3	72.5	73.7	74.7	76.2
53,0°	69.7	64.5	64.7	65.0	65.2	65.8	66.5	67.4	68.4	69.5	70.6	71.9	73.4	74.7	76.4
54,0°	67.8	63.4	63.5	63.7	64.0	64.7	65.5	66.5	67.5	68.7	70.0	71.4	73.2	74.9	76.9
55,0°	65.8	62.1	62.2	62.4	62.7	63.5	64.2	65.3	66.5	67.8	69.2	71.0	73.0	75.0	77.3
56,0°	63.9	60.9	60.9	61.1	61.5	62.3	63.1	64.3	65.5	67.1	68.6	70.5	72.8	75.3	78.2
57,0°	62.0	59.8	59.6	60.0	60.3	61.3	61.8	63.3	64.3	66.1	67.9	70.1	72.6	75.4	78.9
58,0°	60.8	58.8	58.5	58.7	59.1	60.0	60.8	62.1	63.5	65.3	67.3	69.8	72.5	75.9	79.7
59,0°	60.1	58.3	57.8	57.6	57.9	58.7	59.6	61.0	62.6	64.3	66.6	69.3	72.5	76.2	80.4
60,0°	60.7	58.9	57.8	57.1	57.1	57.6	58.4	59.8	61.4	63.5	65.9	68.9	72.4	76.5	81.2
61,0°	63.4	61.1	59.5	57.7	57.0	57.0	57.5	58.7	60.3	62.6	65.3	68.5	72.3	76.6	81.6
62,0°	68.4	65.8	63.3	60.3	58.5	57.2	57.1	57.9	59.5	61.7	64.6	68.0	72.0	76.6	81.8
63,0°	75.8	73.2	70.4	65.9	62.8	59.6	58.3	57.8	59.0	60.9	63.7	67.5	71.7	76.5	82.0
64,0°	83.7	81.1	78.3	73.2	69.2	64.2	61.4	59.5	59.7	60.9	63.3	66.8	71.2	76.2	81.5
65,0°	90.3	88.1	86.0	80.4	76.5	70.1	66.8	63.0	62.7	62.6	64.2	66.3	70.5	75.6	80.8
66,0°	93.8	92.5	90.3	86.0	81.7	76.2	72.3	68.6	67.8	67.2	67.5	66.8	69.7	74.5	79.6
67,0°	93.7	93.4	91.5	88.1	84.0	79.2	76.0	73.6	73.6	73.8	73.9	69.4	69.4	73.2	78.0
68,0°	86.4	88.2	87.5	86.2	82.7	79.6	77.3	76.9	79.8	82.3	83.4	75.7	70.4	71.5	75.7
69,0°	73.6	76.6	77.2	78.6	76.4	75.6	74.9	77.8	84.4	89.9	91.4	82.7	73.1	70.4	73.0
70,0°	56.5	61.7	62.4	66.5	65.0	67.1	67.6	74.9	85.5	94.5	94.6	86.4	76.3	69.7	69.5
71,0°	43.3	46.4	48.7	52.5	53.6	55.7	57.8	66.7	80.5	91.6	90.7	83.8	75.0	68.7	65.8
72,0°	36.3	38.0	39.6	42.3	43.9	45.8	47.4	55.3	68.1	79.7	80.4	76.2	69.1	64.5	61.1

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
Table of values for luminous intensities		Maximum luminous intensity
		siteco

C-planes	240,0° 300,0°	242,5° 297,5°	245,0° 295,0°	247,5° 292,5°	250,0° 290,0°	252,5° 287,5°	255,0° 285,0°	257,5° 282,5°	260,0° 280,0°	262,5° 277,5°	265,0° 275,0°	267,5° 272,5°	270,0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm													Luminous flux in lm/klm	
0,0°	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	231.6	0.3	0.3
2,5°	199.0	197.7	197.6	196.3	196.2	195.2	195.4	194.4	194.6	193.9	194.4	193.7	194.2	2.7	3.1
5,0°	162.6	160.2	159.8	157.6	157.4	155.7	155.7	154.3	154.3	153.4	153.9	152.8	153.7	5.3	8.4
7,5°	134.6	132.8	132.0	130.5	129.8	128.7	128.4	127.4	127.4	126.7	126.8	126.3	126.5	7.7	16.1
10,0°	119.2	118.1	117.7	116.8	116.6	116.1	115.9	115.7	115.5	115.3	115.3	115.2	115.4	9.8	25.9
12,5°	114.6	113.9	113.6	113.1	112.9	112.4	112.3	111.9	111.9	111.6	111.7	111.5	111.6	11.7	37.6
15,0°	111.8	110.9	110.3	109.5	109.3	108.7	108.4	107.9	107.7	107.5	107.4	107.3	107.4	13.3	50.9
17,5°	108.9	108.0	107.3	106.5	106.0	105.5	105.1	104.7	104.5	104.3	104.2	103.9	103.9	14.7	65.6
20,0°	106.8	105.8	105.1	104.4	103.9	103.4	103.1	102.6	102.5	102.2	102.1	101.9	101.9	16.0	81.5
22,5°	105.1	104.5	103.9	103.0	102.1	101.3	100.9	100.6	100.7	100.6	100.8	100.6	100.8	17.3	98.8
25,0°	103.1	99.7	96.7	92.5	91.6	90.1	90.5	89.5	90.2	89.3	90.1	89.2	90.1	18.6	117.5
27,5°	89.9	87.4	86.2	85.4	84.8	84.3	83.8	83.5	83.3	83.0	82.8	82.8	82.8	20.1	137.6
30,0°	85.9	85.5	85.4	84.9	84.6	84.1	83.5	83.0	82.5	82.2	81.8	81.6	81.6	21.7	159.3
32,5°	85.2	84.7	84.1	83.3	82.5	81.8	81.3	80.5	80.3	79.8	79.7	79.4	79.4	23.4	182.7
35,0°	82.8	82.3	81.8	81.1	80.4	79.6	79.0	78.4	77.9	77.6	77.2	77.0	76.9	25.4	208.1
37,5°	80.6	80.0	79.6	79.1	78.6	78.0	77.6	77.0	76.7	76.2	75.9	75.6	75.4	27.8	235.9
40,0°	78.4	78.3	78.0	77.6	77.3	77.1	76.9	76.5	76.0	75.6	75.2	74.7	74.7	30.5	266.3
42,5°	77.0	76.9	76.9	76.8	76.9	76.9	76.9	76.8	76.4	75.9	75.3	74.7	74.6	33.2	299.5
45,0°	76.4	76.6	76.9	77.1	77.3	77.6	77.8	77.9	77.7	77.1	76.6	75.9	75.7	24.0	323.5
46,0°	76.4	76.7	77.1	77.3	77.8	78.0	78.5	78.6	78.5	78.0	77.6	77.0	76.9	14.1	337.5
47,0°	76.4	76.9	77.5	78.0	78.5	79.0	79.5	79.8	79.8	79.5	79.0	78.5	78.3	14.5	352.0
48,0°	76.4	77.1	77.8	78.6	79.5	80.2	80.8	81.0	81.1	81.0	80.5	80.3	80.2	14.9	366.9
49,0°	76.6	77.5	78.4	79.6	80.5	81.7	82.3	83.0	82.9	83.0	82.5	82.5	82.1	15.4	382.3
50,0°	76.9	77.9	79.2	80.7	82.1	83.6	84.7	85.4	85.4	85.4	85.1	85.1	84.9	15.9	398.2
51,0°	77.2	78.5	80.2	82.1	84.0	85.9	87.2	88.1	88.2	88.2	88.0	88.2	88.0	16.6	414.7
52,0°	77.7	79.5	81.7	84.2	86.6	89.0	90.7	91.8	91.6	91.6	91.6	91.9	91.8	17.3	432.1
53,0°	78.4	80.7	83.4	86.3	89.3	92.2	94.3	95.2	95.1	95.1	95.2	95.6	95.6	18.1	450.2
54,0°	79.2	82.0	85.3	88.9	92.6	95.9	97.9	98.7	98.5	98.5	98.7	99.2	99.1	18.9	469.1
55,0°	80.2	83.7	87.6	92.1	96.3	100.0	102.2	102.6	102.2	102.1	102.3	102.9	102.9	19.8	488.9
56,0°	81.4	85.3	89.9	95.2	99.8	103.9	105.8	106.2	105.2	105.1	105.4	106.1	106.2	20.7	509.7
57,0°	82.7	87.2	92.2	98.3	103.1	107.7	109.2	109.4	108.0	107.7	107.9	108.7	108.6	21.8	531.5
58,0°	84.0	88.8	94.7	101.0	106.3	110.7	112.2	111.9	110.3	109.6	109.7	110.5	110.7	23.1	554.6
59,0°	85.1	90.5	96.6	103.4	108.9	113.2	114.5	113.8	111.8	110.8	110.9	111.6	111.9	24.7	579.3
60,0°	86.2	91.9	98.4	105.2	110.9	115.1	116.0	114.8	112.6	111.3	111.3	112.0	112.1	26.6	605.9
61,0°	86.9	92.7	99.5	106.2	112.1	115.8	116.5	114.8	112.3	110.9	110.9	111.4	111.6	28.9	634.8
62,0°	87.4	93.4	99.9	106.7	112.3	115.7	116.0	114.1	111.3	109.5	109.6	110.1	110.2	31.5	666.3
63,0°	87.5	93.4	99.9	106.2	111.5	114.5	114.5	112.2	109.4	107.4	107.4	107.6	107.9	34.6	700.8
64,0°	87.0	93.0	99.2	105.1	110.1	112.5	112.2	109.7	106.8	104.7	104.5	104.8	105.0	37.2	738.0
65,0°	86.3	91.8	97.8	103.0	107.9	109.4	109.3	106.2	103.5	100.9	101.1	100.9	101.7	38.6	776.6
66,0°	84.9	89.9	95.6	100.4	104.7	106.0	105.5	102.3	99.3	96.5	96.5	96.1	97.0	38.4	815.0
67,0°	82.9	87.5	92.7	97.1	101.1	101.6	100.6	96.3	92.6	88.2	87.9	86.7	87.7	36.9	852.0
68,0°	80.3	84.3	88.9	92.2	94.8	93.1	90.9	86.7	84.1	80.5	80.2	79.6	80.2	33.8	885.8
69,0°	77.1	80.4	83.8	84.6	86.9	85.4	84.3	80.8	77.6	74.7	74.5	73.7	74.3	29.4	915.2
70,0°	73.1	74.4	77.1	78.2	79.8	78.6	77.5	71.9	69.9	65.3	65.4	63.4	64.6	23.5	938.6
71,0°	67.4	68.7	70.6	71.4	71.9	69.3	67.3	63.6	61.4	57.9	57.4	57.0	57.5	17.0	955.6
72,0°	61.8	62.6	63.5	63.4	63.5	62.4	60.1	57.0	54.0	50.6	50.0	49.2	50.1	11.7	967.4

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
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siteco

Table of values for luminous intensities Maximum luminous intensity

C-planes	0,0° 180,0°	2,5° 177,5°	5,0° 175,0°	7,5° 172,5°	10,0° 170,0°	12,5° 167,5°	15,0° 165,0°	17,5° 162,5°	20,0° 160,0°	22,5° 157,5°	25,0° 155,0°	27,5° 152,5°	30,0° 150,0°	32,5° 147,5°	35,0° 145,0°
γ	Luminous intensity in cd/klm														
73,0°	35.2	38.4	44.0	47.9	56.3	63.4	78.3	94.3	136.6	163.2	187.0	188.9	200.9	197.3	202.2
74,0°	29.0	30.2	32.5	33.7	36.7	38.2	42.7	47.1	67.2	83.1	102.3	104.2	116.8	114.8	121.0
75,0°	25.0	25.4	26.8	27.6	29.1	29.4	31.0	31.7	38.9	45.5	55.5	56.9	63.5	63.0	66.6
76,0°	21.4	21.6	22.5	22.8	23.9	24.0	25.1	25.1	27.1	28.9	31.9	32.2	35.2	35.1	36.0
77,0°	18.6	18.6	19.3	19.2	20.1	20.2	20.9	21.1	22.2	22.6	24.0	24.1	25.4	25.3	25.9
78,0°	16.2	15.8	16.3	15.8	16.8	16.7	17.5	17.4	18.4	18.6	19.7	19.5	20.5	20.2	21.4
79,0°	13.6	13.4	13.5	13.1	13.6	13.7	14.3	14.4	15.1	15.3	16.1	16.2	16.7	16.8	17.5
80,0°	11.4	10.9	11.0	10.6	11.0	11.1	11.6	11.7	12.3	12.5	13.2	13.2	13.7	13.8	14.5
81,0°	8.8	8.2	8.4	8.2	8.4	8.5	9.0	9.1	9.6	9.8	10.3	10.3	10.8	11.1	11.6
82,0°	6.5	6.1	6.1	6.1	6.4	6.4	6.7	6.9	7.3	7.3	7.8	7.9	8.4	8.6	9.0
83,0°	4.6	4.3	4.4	4.4	4.6	4.6	5.0	5.0	5.3	5.4	5.8	5.9	6.1	6.3	6.7
84,0°	3.0	2.7	3.0	2.7	3.0	3.0	3.2	3.2	3.4	3.5	3.9	3.9	4.3	4.4	4.7
85,0°	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.0	2.2	2.2	2.5	2.5	2.7	2.7	3.0
86,0°	1.4	1.3	1.4	1.3	1.3	1.2	1.3	1.2	1.4	1.3	1.4	1.3	1.5	1.5	1.8
87,0°	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
88,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
89,0°	0.9	0.9	0.9	0.9	0.9	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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	0.0	0.0

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
		siteco

C-planes	37,5° 142,5°	40,0° 140,0°	42,5° 137,5°	45,0° 135,0°	47,5° 132,5°	50,0° 130,0°	52,5° 127,5°	55,0° 125,0°	57,5° 122,5°	60,0° 120,0°	62,5° 117,5°	65,0° 115,0°	67,5° 112,5°	70,0° 110,0°	72,5° 107,5°
γ	Luminous intensity in cd/klm														
73,0°	190.7	183.9	152.7	136.4	133.9	142.5	133.0	128.1	117.1	109.9	98.2	90.8	80.7	74.3	56.2
74,0°	109.9	98.2	75.3	71.3	84.6	97.3	90.8	89.9	82.8	80.3	71.4	67.9	60.4	56.5	43.6
75,0°	55.6	48.5	42.3	44.5	56.6	64.5	60.4	60.8	56.4	55.5	49.2	46.5	42.5	41.7	35.7
76,0°	31.8	31.5	30.6	31.9	37.0	40.7	38.8	39.4	36.7	36.8	34.1	33.6	32.3	32.5	29.7
77,0°	25.2	25.7	25.5	26.0	27.6	29.3	28.3	28.9	27.8	28.1	26.8	27.4	27.2	27.6	25.7
78,0°	20.8	21.8	21.6	22.5	22.5	23.8	22.8	23.4	22.4	23.5	24.4	26.3	27.6	25.5	22.8
79,0°	17.4	18.1	18.3	18.8	18.9	19.5	19.2	19.3	19.7	22.2	26.1	30.2	30.9	26.0	21.1
80,0°	14.4	15.0	15.3	15.7	15.7	16.2	16.1	16.4	17.5	21.5	27.2	32.5	31.5	25.4	18.8
81,0°	11.6	11.8	12.1	12.5	12.5	13.0	13.0	13.2	14.4	18.4	23.7	28.5	27.2	22.0	15.6
82,0°	9.1	9.6	9.7	10.1	10.2	10.4	10.2	10.4	11.0	14.0	18.2	22.0	20.7	17.1	12.4
83,0°	6.9	7.3	7.3	7.7	7.6	7.9	7.8	8.0	8.3	10.1	12.2	14.5	13.8	12.5	9.3
84,0°	4.6	5.1	5.1	5.3	5.3	5.7	5.6	5.8	5.7	6.4	7.3	8.9	8.6	8.4	6.5
85,0°	3.1	3.3	3.2	3.5	3.5	3.7	3.7	3.9	3.8	4.3	4.4	5.1	5.1	5.0	4.0
86,0°	1.7	2.0	1.8	2.1	2.0	2.2	2.0	2.5	2.2	2.5	2.2	2.6	2.2	2.6	2.1
87,0°	0.9	0.9	0.9	1.1	1.1	1.2	1.2	1.3	1.2	1.3	1.2	1.3	1.2	1.3	1.2
88,0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.8	0.9	0.9
89,0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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	0.0	0.0

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
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siteco

C-planes	75,0° 105,0°	77,5° 102,5°	80,0° 100,0°	82,5° 97,5°	85,0° 95,0°	87,5° 92,5°	90,0°	182,5° 357,5°	185,0° 355,0°	187,5° 352,5°	190,0° 350,0°	192,5° 347,5°	195,0° 345,0°	197,5° 342,5°	200,0° 340,0°
γ	Luminous intensity in cd/klm														
73,0°	36.5	33.7	33.2	32.3	32.0	31.6	31.9	31.5	31.1	30.6	30.7	31.1	31.7	31.6	31.8
74,0°	33.0	30.9	30.5	29.4	29.3	28.7	29.6	27.3	27.8	27.4	27.8	28.0	28.7	28.4	28.9
75,0°	30.2	28.1	27.6	26.1	26.1	25.4	26.3	24.1	25.0	24.6	25.0	25.2	25.5	25.4	25.9
76,0°	27.1	24.6	23.7	22.6	22.4	22.0	22.5	21.3	22.0	21.5	21.9	21.9	22.2	22.5	22.8
77,0°	24.1	21.4	20.7	19.7	19.5	19.0	19.6	18.7	19.2	18.6	18.9	19.3	19.2	19.5	20.1
78,0°	21.3	18.4	18.0	16.8	16.7	16.3	16.8	16.3	16.7	15.7	16.3	16.3	16.4	16.6	17.4
79,0°	18.6	16.1	15.3	14.4	14.1	14.0	14.4	14.5	14.5	13.1	13.4	13.5	13.5	14.1	14.5
80,0°	15.8	13.7	12.8	12.1	11.8	11.9	12.1	12.4	12.1	10.6	10.9	11.0	11.1	11.6	12.1
81,0°	12.8	11.2	10.4	9.7	9.5	9.3	9.7	9.7	9.1	7.9	8.3	8.5	8.8	9.1	9.6
82,0°	10.3	9.1	8.3	7.7	7.5	7.3	7.6	7.1	6.6	5.9	6.1	6.4	6.7	7.0	7.3
83,0°	7.9	6.9	6.3	5.7	5.6	5.4	5.7	5.0	4.4	4.3	4.5	4.6	4.8	5.1	5.3
84,0°	5.7	4.7	4.4	3.9	3.8	3.7	4.0	3.0	2.8	2.8	3.0	3.1	3.2	3.3	3.4
85,0°	3.8	3.1	2.8	2.6	2.6	2.4	2.6	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.2
86,0°	2.1	1.9	1.8	1.4	1.7	1.4	1.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
87,0°	1.2	1.2	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.2	1.2	1.2	1.2	1.2	1.2
88,0°	0.9	0.9	0.8	0.7	0.8	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
89,0°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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	0.0	0.0

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
		siteco

C-planes	202,5° 337,5°	205,0° 335,0°	207,5° 332,5°	210,0° 330,0°	212,5° 327,5°	215,0° 325,0°	217,5° 322,5°	220,0° 320,0°	222,5° 317,5°	225,0° 315,0°	227,5° 312,5°	230,0° 310,0°	232,5° 307,5°	235,0° 305,0°	237,5° 302,5°
γ	Luminous intensity in cd/klm														
73,0°	32.4	33.6	34.6	36.5	37.7	38.8	39.5	43.3	51.1	60.7	64.6	64.9	59.5	56.5	55.0
74,0°	29.3	30.5	31.3	32.8	33.8	35.2	35.6	37.3	39.9	46.0	50.4	52.9	50.3	49.4	49.0
75,0°	26.3	27.3	28.1	29.6	30.5	31.9	32.4	33.7	34.9	37.7	40.0	42.8	42.6	43.5	43.4
76,0°	23.1	24.0	24.7	26.1	26.8	28.1	28.6	29.8	30.6	32.3	33.7	35.6	36.5	37.7	38.2
77,0°	20.1	21.2	21.9	23.1	23.7	24.7	25.2	26.3	26.8	28.5	29.7	31.2	31.8	33.2	33.2
78,0°	17.3	18.4	18.7	20.1	20.1	21.3	21.2	22.6	22.9	24.7	25.1	26.8	27.1	28.5	28.0
79,0°	14.8	15.6	16.1	16.8	16.9	17.6	18.0	19.0	19.5	20.7	21.3	22.6	22.9	23.7	23.8
80,0°	12.4	13.1	13.6	13.8	13.8	14.3	14.8	15.7	16.2	17.1	17.7	18.7	18.9	19.6	19.6
81,0°	9.8	10.3	10.5	10.8	10.9	11.2	11.5	12.2	12.5	13.2	13.7	14.5	14.7	15.4	15.3
82,0°	7.6	7.9	8.0	8.4	8.4	8.6	8.8	9.1	9.3	10.1	10.6	11.2	11.6	11.9	11.8
83,0°	5.4	5.8	5.8	6.0	6.0	6.3	6.3	6.6	6.7	7.3	7.6	8.0	8.3	8.6	8.8
84,0°	3.4	3.8	3.8	3.9	3.9	4.1	4.1	4.4	4.4	4.7	4.8	5.2	5.2	5.7	5.7
85,0°	2.2	2.4	2.4	2.5	2.5	2.6	2.5	2.7	2.6	2.8	2.8	3.2	3.1	3.4	3.3
86,0°	1.4	1.5	1.4	1.5	1.4	1.7	1.4	1.7	1.5	1.7	1.7	1.9	1.7	1.9	1.7
87,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
88,0°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	0.9	1.1	1.1	0.9	0.9	0.9	0.9
89,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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	0.0	0.0

C-planes	240,0° 300,0°	242,5° 297,5°	245,0° 295,0°	247,5° 292,5°	250,0° 290,0°	252,5° 287,5°	255,0° 285,0°	257,5° 282,5°	260,0° 280,0°	262,5° 277,5°	265,0° 275,0°	267,5° 272,5°	270,0°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm													Luminous flux in lm/klm	
73,0°	55.3	55.3	56.5	56.4	56.6	53.7	51.4	47.7	44.6	42.3	41.2	41.2	41.9	7.8	975.2
74,0°	49.5	49.9	50.6	49.8	48.8	47.2	45.1	40.9	38.7	34.9	34.3	33.3	34.3	5.5	980.7
75,0°	44.6	44.5	44.7	43.5	43.0	40.6	37.0	34.1	31.5	28.9	27.7	27.1	27.9	4.0	984.7
76,0°	38.9	38.4	38.7	36.8	36.7	33.0	30.7	26.5	23.7	21.1	19.9	19.0	19.6	3.1	987.8
77,0°	33.7	33.5	32.9	32.2	29.8	27.3	24.6	20.8	18.0	15.0	13.6	12.3	12.5	2.6	990.3
78,0°	29.2	27.7	28.4	25.8	25.0	21.2	19.0	14.5	12.5	9.3	8.2	6.7	7.1	2.2	992.5
79,0°	24.0	23.3	23.3	21.3	19.6	16.7	14.1	10.8	8.0	5.7	3.9	3.0	3.1	1.8	994.3
80,0°	19.5	19.5	18.7	17.4	15.8	13.1	10.3	7.9	5.9	3.8	2.4	1.9	1.9	1.6	995.9
81,0°	15.8	15.3	14.9	13.4	11.8	9.6	7.9	5.9	4.0	2.8	1.7	1.4	1.4	1.2	997.1
82,0°	12.1	11.7	11.4	10.3	8.9	7.2	5.8	4.5	3.1	2.1	1.4	1.2	1.2	1.0	998.1
83,0°	8.8	8.6	8.4	7.6	6.6	5.3	4.4	3.3	2.4	1.4	1.2	1.2	1.2	0.7	998.8
84,0°	6.0	5.7	5.7	5.0	4.5	3.5	3.1	2.4	1.9	1.2	1.2	0.9	0.9	0.5	999.2
85,0°	3.5	3.5	3.7	3.1	2.8	2.4	2.1	1.7	1.4	1.2	0.9	0.9	0.9	0.3	999.5
86,0°	1.9	1.7	1.8	1.4	1.7	1.4	1.4	1.2	1.2	0.9	0.9	0.9	0.9	0.2	999.7
87,0°	1.2	1.2	1.2	1.2	1.1	0.9	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.1	999.8
88,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.1	999.9
89,0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	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	0.0	0.0	1000.0

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
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Dimming levels table	environmental temperature: 25°C	siteco
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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	4730	36.4	38.3	37.3
95	241	252	4488	33.9	35.7	34.8
90	229	250	4264	31.7	33.3	32.5
85	216	248	4022	29.5	31.0	30.2
80	203	246	3780	27.2	28.6	27.9
75	190	243	3538	25.2	26.4	25.8
70	178	241	3315	23.3	24.5	23.9
65	165	238	3073	21.3	22.3	21.8
60	152	235	2831	19.4	20.3	19.8
55	140	232	2607	17.7	18.5	18.1
50	127	229	2365	15.9	16.7	16.3
45	114	225	2123	14.2	14.9	14.6
40	102	221	1899	12.7	13.2	13.0
35	89	216	1657	11.0	11.6	11.3
30	76	210	1415	9.5	9.9	9.7
25	63	203	1173	8.0	8.4	8.2
20	51	195	950	6.7	7.0	6.8
15	38	184	708	5.3	5.5	5.4
10	26	171	484	4.1	4.3	4.2

Dimming levels table	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	4730	35.7	37.4	36.6
95	241	252	4488	33.3	34.9	34.1
90	229	250	4264	31.2	32.7	32.0
85	216	248	4022	29.0	30.5	29.8
80	203	246	3780	26.9	28.2	27.6
75	190	243	3538	24.9	26.0	25.4
70	178	241	3315	23.1	24.1	23.6
65	165	238	3073	21.2	22.1	21.6
60	152	235	2831	19.3	20.2	19.8
55	140	232	2607	17.6	18.4	18.0
50	127	229	2365	15.9	16.6	16.2
45	114	225	2123	14.2	14.8	14.5
40	102	221	1899	12.7	13.2	13.0
35	89	216	1657	11.1	11.6	11.4
30	76	210	1415	9.5	9.9	9.7
25	63	203	1173	8.1	8.3	8.2
20	51	195	950	6.7	7.0	6.8
15	38	184	708	5.4	5.6	5.5
11	27	172	503	4.2	4.4	4.3

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
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Dimming levels table	environmental temperature: 15°C	sITeco
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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	4730	36.0	37.7	36.8
95	241	252	4488	33.6	35.2	34.4
90	229	250	4264	31.5	32.9	32.2
85	216	248	4022	29.2	30.6	29.9
80	203	246	3780	27.0	28.4	27.7
75	190	243	3538	25.0	26.2	25.6
70	178	241	3315	23.1	24.2	23.6
65	165	238	3073	21.2	22.1	21.6
60	152	235	2831	19.3	20.2	19.8
55	140	232	2607	17.7	18.4	18.0
50	127	229	2365	15.9	16.6	16.2
45	114	225	2123	14.2	14.8	14.5
40	102	221	1899	12.7	13.2	13.0
35	89	216	1657	11.0	11.5	11.2
30	76	210	1415	9.5	9.9	9.7
25	63	203	1173	8.0	8.4	8.2
20	51	195	950	6.7	6.9	6.8
15	38	184	708	5.4	5.5	5.4
11	27	172	503	4.2	4.4	4.3

Photometric test report

Family Streetlight 21 micro LED	Order number: 5XE1H31G08DB EAN: 4058352740439	LP number 59066_606
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Luminousfluxs table	sITeco
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Temperature °C	Luminous flux lm	Power consumption W
25.0	4730.0	36.4
5.0	4730.0	35.7
15.0	4730.0	36.0