

Photometric test report

Family
Streetlight 21 micro LED

Order number: 5XE1H31D08DB
EAN: 4058352740415

LP number
59066_605



Version	post-top or side-entry mounting
Optic	asymmetric distribution (PL52)
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

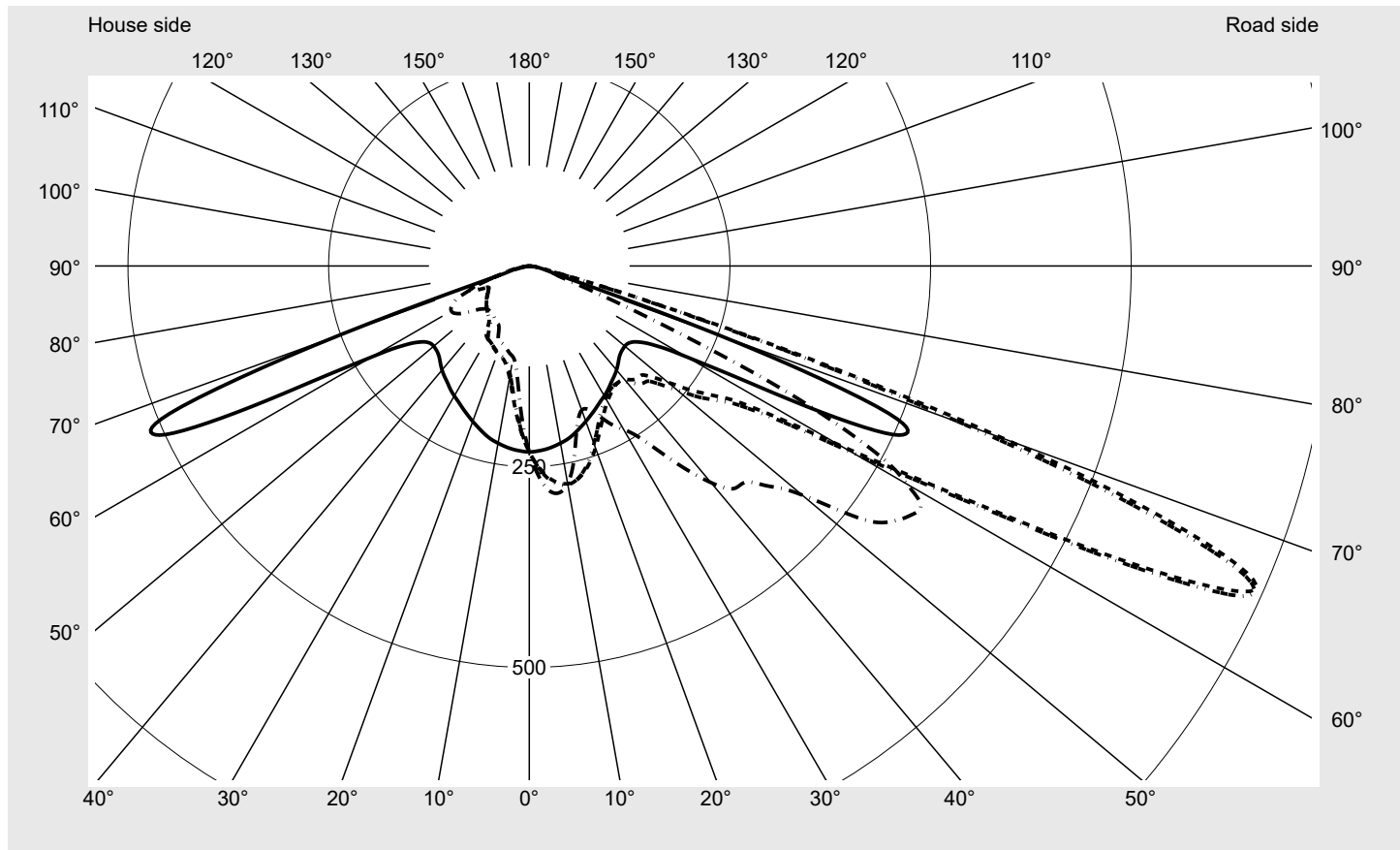
C180-0

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

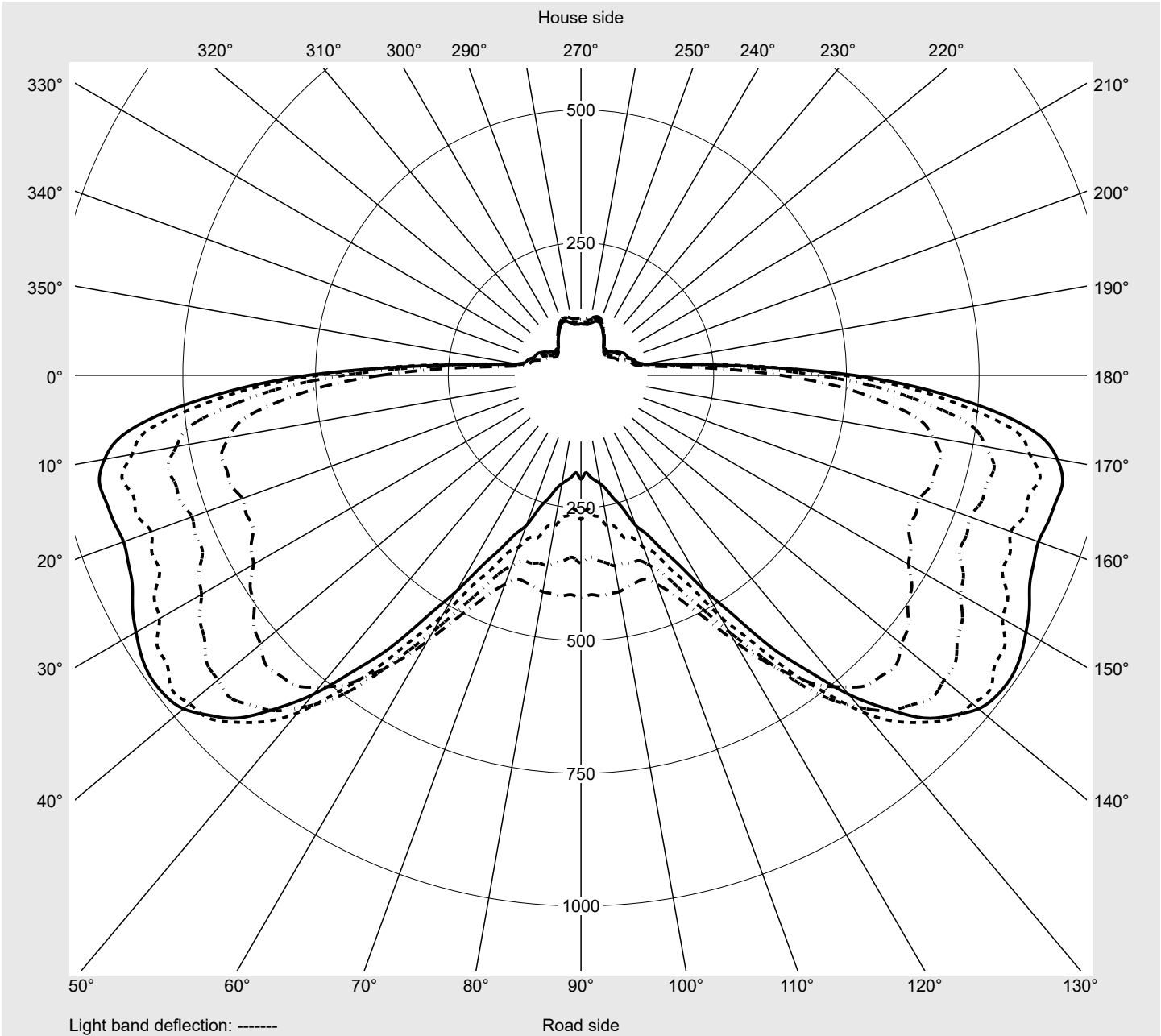
Luminous intensity class acc. to EN13201-2

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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Family Streetlight 21 micro LED	Order number: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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Table of values for luminous intensities	Maximum luminous intensity
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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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
		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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
		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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
		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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
Dimming levels table		siteco
environmental temperature: 25°C		

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	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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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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]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	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: 5XE1H31D08DB EAN: 4058352740415	LP number 59066_605
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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