

Photometric test report

Family
Streetlight 31 mega

Order number: 5XF5C32N08SA
EAN: 4058352499528

LP number
59199_14



Version post-top or side-entry mounting, Smart Interface NEMA up
Optic asymmetric, wide distribution (ST0.8a)
Cover toughened safety glass
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG-DALI Plus
Rated values Net luminous flux = 39200 lm
 Power consumption = 275.0 W
 Luminous efficacy = 142.5 lm/W

serial
documentation
06.04.2022

sITECO

Luminous intensity in cd/klm

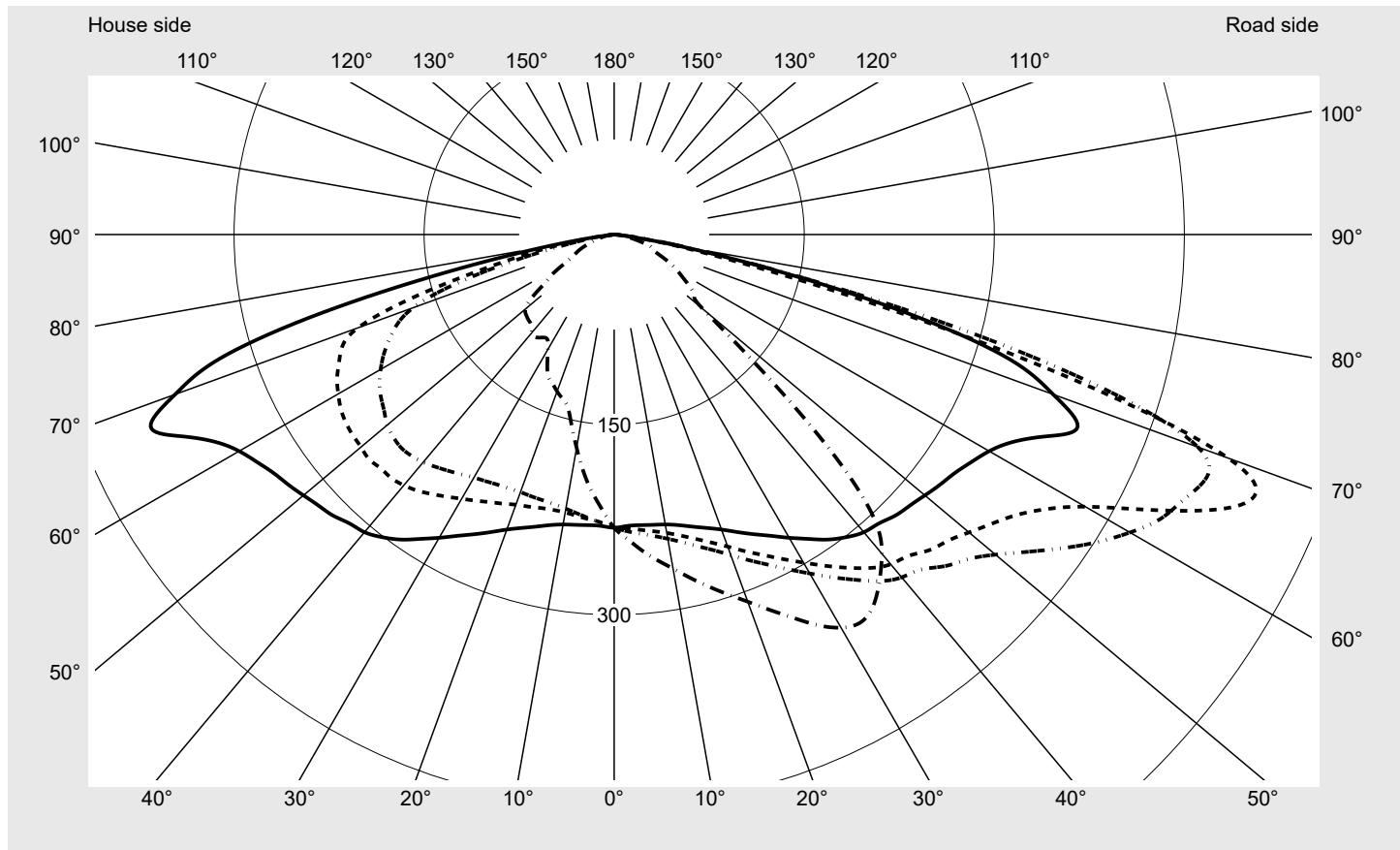
C180-0

C190-10

C195-15

C270-90

Imax: 545 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°	515.8
Imax 80°	72.1
Imax 90°	0.5
Imax >90°	0.0
Imax >95°	0.0

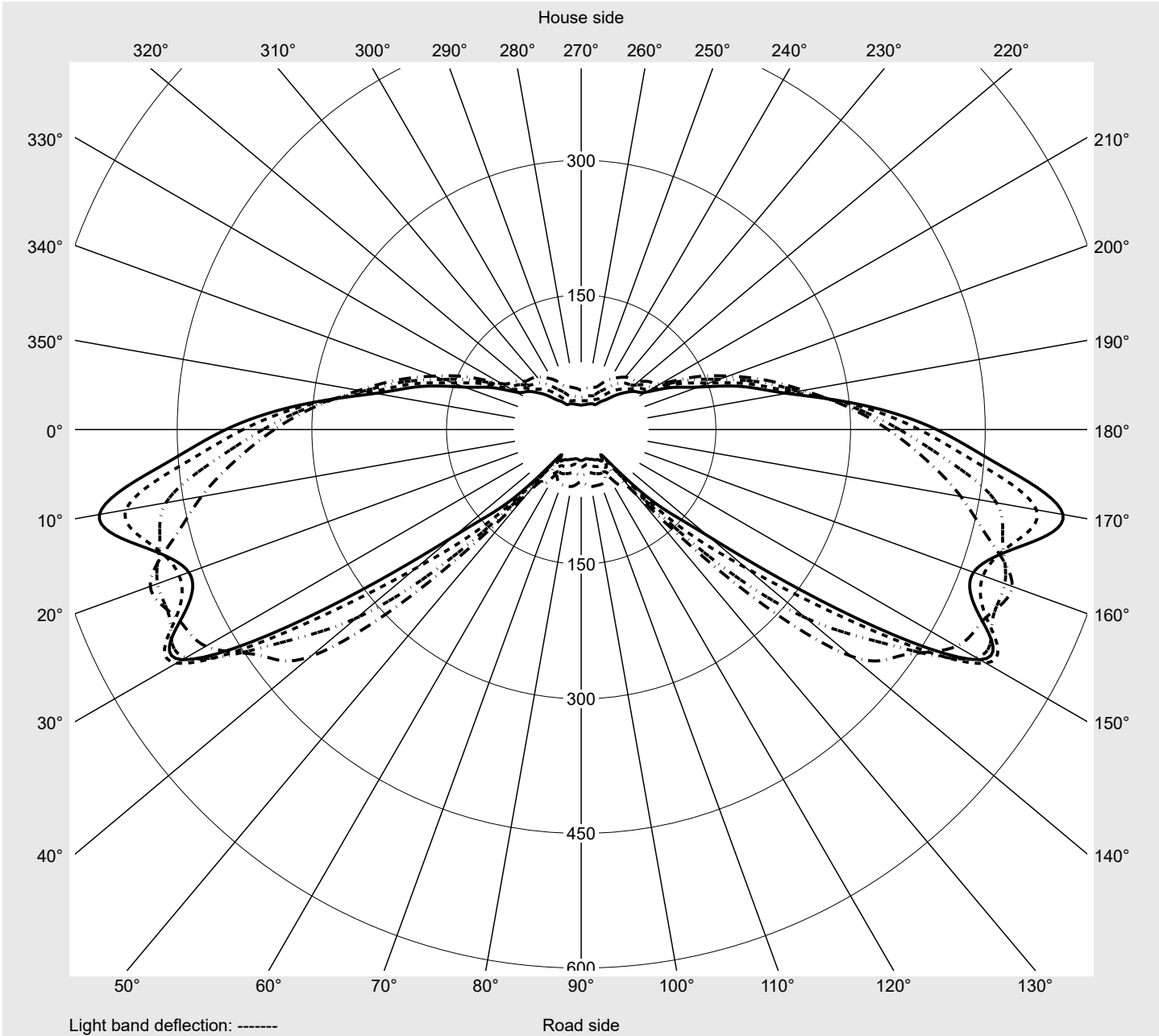
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 67.5°** **KMK 65°** **KMK 62.5°** **KMK 60°**



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Table of values for luminous intensities Maximum luminous intensity

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°	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3
2,5°	230.2	231.1	232.0	234.3	236.6	235.9	235.2	237.5	239.8	238.8	237.8	239.9	241.9
5,0°	230.2	232.0	233.8	236.9	240.0	239.9	239.9	242.8	245.8	245.1	244.4	247.2	250.0
7,5°	231.0	233.6	236.1	239.9	243.6	244.2	244.8	248.3	251.7	251.7	251.7	254.8	257.9
10,0°	232.3	235.7	239.1	243.7	248.4	249.4	250.4	254.4	258.4	258.7	258.9	262.3	265.7
12,5°	234.8	239.1	243.3	248.7	254.0	255.4	256.8	261.1	265.4	266.0	266.6	270.5	274.4
15,0°	238.6	243.6	248.6	254.6	260.6	262.2	263.9	268.7	273.4	274.4	275.3	279.6	283.8
17,5°	242.7	248.8	254.8	261.1	267.5	269.5	271.6	276.9	282.1	283.5	284.9	289.3	293.7
20,0°	247.7	254.8	262.0	269.1	276.3	278.2	280.2	285.9	291.6	293.3	295.1	300.0	304.8
22,5°	254.1	262.3	270.5	278.1	285.7	288.2	290.6	296.0	301.4	303.5	305.7	311.0	316.4
25,0°	260.9	270.0	279.1	287.4	295.7	298.8	301.9	307.6	313.3	315.3	317.2	323.3	329.3
27,5°	268.0	278.3	288.7	297.8	306.9	310.3	313.7	320.4	327.0	328.9	330.9	336.9	342.9
30,0°	276.3	287.6	298.8	308.8	318.7	323.0	327.2	335.2	343.1	344.7	346.3	351.7	357.2
32,5°	284.7	297.3	309.8	320.6	331.4	336.4	341.4	350.9	360.3	362.6	364.8	366.7	368.5
35,0°	293.8	307.4	320.9	332.6	344.2	350.7	357.2	366.6	375.9	380.1	384.4	382.0	379.6
37,5°	300.9	316.2	331.6	344.5	357.5	366.2	374.9	385.5	396.1	398.6	401.2	391.0	380.9
40,0°	306.5	323.1	339.6	353.0	366.5	380.5	394.4	406.0	417.6	413.5	409.5	390.7	371.9
42,5°	309.2	326.5	343.9	358.5	373.1	393.7	414.2	425.3	436.3	420.7	405.1	383.0	360.9
45,0°	313.6	332.8	352.0	369.8	387.6	411.0	434.5	440.6	446.7	419.4	392.2	370.8	349.4
47,5°	316.5	337.0	357.5	379.1	400.6	430.1	459.7	450.7	441.7	411.7	381.6	354.9	328.3
50,0°	320.1	342.9	365.6	392.9	420.2	450.0	479.9	455.7	431.6	405.2	378.9	319.1	259.2
52,5°	324.2	349.6	375.1	411.2	447.3	467.9	488.4	457.8	427.1	389.0	350.9	258.9	166.8
55,0°	328.1	357.3	386.4	431.5	476.5	480.1	483.6	460.5	437.3	356.6	275.9	177.7	79.6
57,5°	334.2	368.8	403.4	451.7	500.1	488.2	476.4	454.7	433.0	303.8	174.7	119.9	65.2
60,0°	341.8	385.6	429.4	470.1	510.8	496.8	482.8	438.0	393.3	241.8	90.3	74.9	59.4
62,5°	354.5	412.1	469.8	486.0	502.2	505.2	508.2	417.3	326.5	193.7	60.9	57.8	54.7
65,0°	376.7	445.7	514.8	495.6	476.4	498.5	520.5	380.5	240.4	145.5	50.6	48.8	46.9
67,5°	395.9	470.4	544.9	505.0	465.1	489.0	512.9	348.8	184.7	113.7	42.7	40.9	39.1
70,0°	368.7	442.3	515.8	490.4	464.9	470.9	476.8	306.8	136.8	86.1	35.5	34.0	32.5
72,5°	327.4	353.4	379.4	406.5	433.5	397.8	362.1	219.9	77.7	53.2	28.7	27.0	25.3
75,0°	239.2	227.5	215.8	269.2	322.6	270.2	217.9	132.5	47.2	34.6	22.0	20.1	18.2
77,5°	129.3	114.8	100.4	134.6	168.8	133.2	97.7	64.4	31.1	23.2	15.2	13.9	12.6
80,0°	52.2	48.8	45.4	58.7	72.1	59.8	47.6	33.4	19.3	14.4	9.5	8.6	7.7
82,5°	12.9	13.7	14.5	21.1	27.7	23.8	19.8	14.8	9.8	7.5	5.2	4.6	4.0
85,0°	2.4	3.3	4.1	4.7	5.4	5.4	5.4	4.3	3.2	2.6	2.0	1.8	1.6
87,5°	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3
90,0°	0.5	0.4	0.3	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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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°	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3
2,5°	240.8	239.7	241.7	243.6	242.1	240.5	228.9	227.6	228.0	228.5	225.9	223.2	224.0
5,0°	249.3	248.5	250.7	253.0	251.5	250.1	227.8	225.5	224.8	224.1	220.5	216.9	216.5
7,5°	257.3	256.7	259.2	261.7	260.3	259.0	227.5	224.0	222.0	220.1	215.5	210.8	209.2
10,0°	265.4	265.1	267.7	270.4	269.0	267.6	227.5	222.7	219.6	216.6	210.5	204.4	201.4
12,5°	274.3	274.1	277.1	280.1	278.8	277.5	228.7	222.5	218.0	213.4	205.6	197.9	193.0
15,0°	283.9	284.0	287.0	290.0	288.7	287.4	231.0	223.4	217.1	210.8	201.0	191.2	184.4
17,5°	293.9	294.0	297.3	300.5	299.0	297.6	233.9	225.0	216.6	208.2	196.4	184.5	176.2
20,0°	304.8	304.7	307.8	310.9	309.6	308.3	237.3	226.8	216.3	205.8	192.4	179.1	169.2
22,5°	316.5	316.5	319.9	323.2	321.8	320.5	241.9	229.8	216.8	203.7	189.2	174.7	164.1
25,0°	329.2	329.0	332.8	336.5	335.0	333.5	246.9	232.9	217.8	202.6	186.5	170.4	160.9
27,5°	343.0	343.2	347.0	350.9	349.1	347.4	252.4	236.7	219.4	202.1	185.5	168.9	160.0
30,0°	357.0	356.8	358.7	360.5	359.3	358.1	258.5	240.7	221.4	202.1	185.4	168.7	159.9
32,5°	367.9	367.3	366.0	364.7	363.6	362.6	265.0	245.3	224.3	203.4	186.1	168.8	159.9
35,0°	374.3	369.1	364.1	359.2	358.1	356.9	271.9	250.0	227.7	205.3	187.0	168.7	159.0
37,5°	370.8	360.6	352.6	344.5	344.3	344.1	277.9	254.8	231.1	207.5	187.8	168.2	156.0
40,0°	360.4	349.0	339.7	330.5	329.5	328.6	282.4	258.2	234.6	210.9	188.8	166.6	151.2
42,5°	348.9	336.8	323.3	309.8	306.7	303.6	284.8	260.5	236.8	213.1	188.4	163.6	145.1
45,0°	330.2	310.9	283.9	256.8	250.0	243.2	287.2	260.8	237.8	214.9	185.9	156.9	138.2
47,5°	285.8	243.3	210.6	177.9	166.1	154.3	289.4	262.3	236.4	210.6	179.1	147.7	132.2
50,0°	202.7	146.2	124.5	102.7	97.2	91.6	290.5	260.9	233.8	206.8	172.2	137.6	125.6
52,5°	130.1	93.4	91.1	88.9	84.3	79.7	292.1	260.0	228.8	197.6	161.9	126.2	116.8
55,0°	80.8	81.9	81.7	81.4	77.7	74.0	293.3	258.5	224.6	190.7	153.6	116.6	108.3
57,5°	70.9	76.6	74.9	73.2	69.3	65.5	295.0	255.8	219.6	183.3	146.0	108.8	99.9
60,0°	62.2	64.9	64.6	64.4	61.3	58.2	296.6	251.4	212.8	174.2	138.3	102.4	93.0
62,5°	53.5	52.3	50.4	48.5	49.7	50.9	300.5	246.6	205.1	163.6	130.0	96.5	86.7
65,0°	45.3	43.7	41.4	39.1	40.5	41.8	308.2	239.7	195.9	152.1	121.2	90.3	80.4
67,5°	37.2	35.3	34.1	32.9	33.7	34.5	314.2	232.5	185.5	138.4	111.0	83.5	73.9
70,0°	31.8	31.2	29.5	27.9	29.7	31.5	292.0	215.2	168.7	122.3	98.7	75.0	65.5
72,5°	23.8	22.4	22.0	21.6	25.1	28.6	248.2	169.0	135.3	101.7	81.1	60.5	52.7
75,0°	17.5	16.7	16.3	15.9	18.5	21.2	175.2	111.1	88.1	65.0	48.3	31.6	31.2
77,5°	12.2	11.8	11.3	10.8	13.1	15.3	99.1	68.9	47.0	25.0	20.9	16.7	16.4
80,0°	7.6	7.4	7.2	7.0	8.2	9.5	43.4	34.6	22.2	9.8	9.1	8.4	8.4
82,5°	4.1	4.2	4.0	3.9	4.4	4.9	11.7	10.5	7.6	4.7	4.2	3.8	4.1
85,0°	1.6	1.5	1.6	1.6	1.7	1.9	2.3	2.1	1.8	1.5	1.4	1.3	1.4
87,5°	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.2
90,0°	0.1	0.1	0.1	0.0	0.0	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1

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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°	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	231.3	0.3	0.3
2,5°	224.8	222.4	219.9	220.9	221.8	219.9	218.0	219.2	220.5	218.8	217.2	2.8	3.1
5,0°	216.2	213.1	210.0	210.1	210.2	207.7	205.2	206.0	206.7	205.0	203.4	5.5	8.6
7,5°	207.6	203.3	199.1	198.2	197.3	194.0	190.8	191.1	191.5	189.7	187.9	8.1	16.7
10,0°	198.5	192.7	186.9	184.9	183.0	179.1	175.3	175.0	174.6	172.7	170.8	10.8	27.5
12,5°	188.1	182.5	176.8	172.3	167.8	163.9	160.1	158.6	157.2	155.9	154.7	13.3	40.8
15,0°	177.6	170.2	162.8	158.0	153.3	149.4	145.6	144.2	142.8	142.1	141.3	15.9	56.8
17,5°	167.8	159.8	151.8	147.2	142.7	140.3	137.9	137.2	136.5	136.1	135.7	18.6	75.4
20,0°	159.4	151.9	144.4	141.5	138.7	137.3	136.0	134.7	133.5	132.6	131.7	21.4	96.8
22,5°	153.5	148.0	142.4	140.6	138.8	136.1	133.4	131.6	129.8	128.6	127.3	24.4	121.3
25,0°	151.5	147.6	143.7	140.9	138.2	135.1	132.0	129.6	127.2	125.3	123.3	27.6	148.9
27,5°	151.0	148.0	144.9	141.3	137.8	133.8	129.8	125.6	121.3	117.8	114.2	30.9	179.8
30,0°	151.1	147.4	143.8	140.0	136.3	130.2	124.2	118.7	113.2	108.9	104.6	34.2	214.0
32,5°	151.0	146.1	141.1	135.5	130.0	123.7	117.4	111.9	106.5	102.3	98.1	37.5	251.6
35,0°	149.4	142.4	135.3	129.5	123.6	118.8	114.0	110.2	106.4	102.8	99.2	40.8	292.3
37,5°	143.8	136.1	128.3	124.4	120.4	118.7	117.0	114.1	111.1	106.6	102.0	43.8	336.1
40,0°	135.9	129.5	123.1	123.2	123.3	122.3	121.4	116.4	111.4	106.1	100.7	46.5	382.6
42,5°	126.7	124.4	122.2	124.7	127.2	123.8	120.5	113.3	106.2	101.5	96.9	48.7	431.3
45,0°	119.5	121.4	123.2	124.4	125.6	121.3	117.0	109.7	102.3	98.9	95.5	49.9	481.2
47,5°	116.7	118.5	120.3	119.9	119.6	116.5	113.4	106.5	99.7	96.9	94.1	49.6	530.8
50,0°	113.6	113.4	113.2	112.0	110.9	110.5	110.1	103.5	96.9	94.2	91.5	48.4	579.2
52,5°	107.4	105.0	102.6	102.1	101.7	102.8	103.9	96.6	89.3	85.6	82.0	47.5	626.7
55,0°	99.9	96.8	93.6	92.6	91.6	89.9	88.3	80.5	72.7	69.7	66.8	46.3	673.0
57,5°	91.0	88.1	85.2	82.6	80.0	72.9	65.9	62.4	59.0	58.0	57.1	45.3	718.3
60,0°	83.5	79.9	76.2	70.6	65.0	57.9	50.8	49.1	47.4	45.7	44.0	44.0	762.3
62,5°	77.0	72.4	67.8	59.8	51.8	46.1	40.4	39.1	37.8	37.0	36.2	43.3	805.6
65,0°	70.4	63.6	56.8	48.5	40.1	37.1	34.2	33.4	32.6	32.3	32.0	42.3	847.9
67,5°	64.3	54.0	43.8	38.1	32.3	31.5	30.6	29.5	28.3	27.8	27.2	41.3	889.2
70,0°	55.9	43.7	31.4	28.8	26.1	25.7	25.4	24.8	24.3	23.2	22.1	38.5	927.7
72,5°	45.0	33.7	22.5	22.0	21.5	21.5	21.5	20.0	18.4	18.2	17.9	31.4	959.1
75,0°	30.8	23.9	16.9	16.7	16.4	16.4	16.3	15.2	14.1	13.9	13.7	21.1	980.2
77,5°	16.2	14.1	11.9	11.8	11.7	11.5	11.3	10.9	10.4	10.3	10.1	11.3	991.6
80,0°	8.4	8.0	7.7	7.5	7.4	7.3	7.2	7.0	6.9	6.8	6.8	5.5	997.1
82,5°	4.4	4.2	4.1	4.0	4.0	4.0	3.9	3.9	3.8	3.8	3.8	2.2	999.3
85,0°	1.5	1.4	1.4	1.4	1.4	1.5	1.6	1.6	1.5	1.5	1.4	0.6	999.9
87,5°	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.1	1000.0
90,0°	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0

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Family Streetlight 31 mega	Order number: 5XF5C32N08SA EAN: 4058352499528	LP number 59199_14
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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]
100	254	254	39200	275.0
95	239	252	37335	259.9
90	222	250	35260	243.4
85	212	247	33441	229.2
80	194	245	31406	214.0
75	185	242	29335	198.6
70	169	239	27401	185.0
65	159	237	25430	171.2
60	146	234	23516	158.1
55	134	230	21480	144.4
50	121	227	19545	131.7
45	109	223	17594	119.1
40	98	219	15725	107.2
35	85	215	13726	94.6
30	74	210	11747	82.2
25	63	204	9755	70.0
20	50	197	7859	58.5
19	48	196	7568	56.7