

Photometric test report

Family

Streetlight 11 mini LED



Order number: 5XC2AC1Y08HE

EAN: 4069025078810

LP number

58293_526

serial documentation

25.06.2024

Version

post-top or side-entry mounting, Colour Switch

Optic

asymmetric, wide distribution (ST1.2a)

Cover

transparent, PMMA

Lamps

LED 2200 K | CRI ≥ 70

Controlgear

EVG SITECO iQ - Smart Interface

Setting

individual position

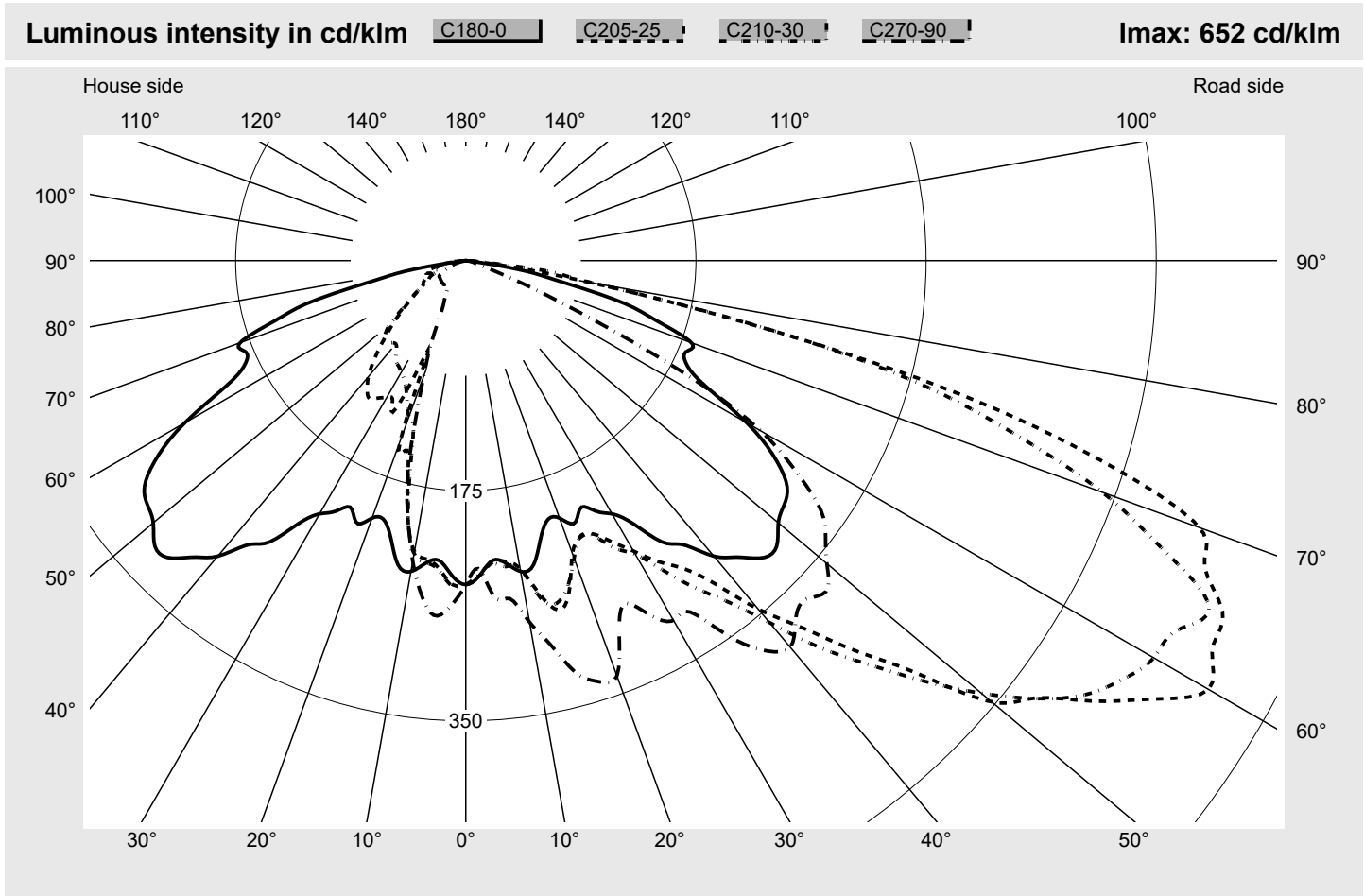
Rated values

Net luminous flux = 6820 lm

Power consumption = 63.2 W

Luminous efficacy = 107.9 lm/W

siteco



Luminaire output ratios		Luminous intensity class acc. to EN13201-2	
Eta	100.0%	Class:	G3
Eta 0° - 90°	100.0%	Imax 70°	593.9
Eta 90° - 180°	0.0%	Imax 80°	98.9
		Imax 90°	0.0
		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

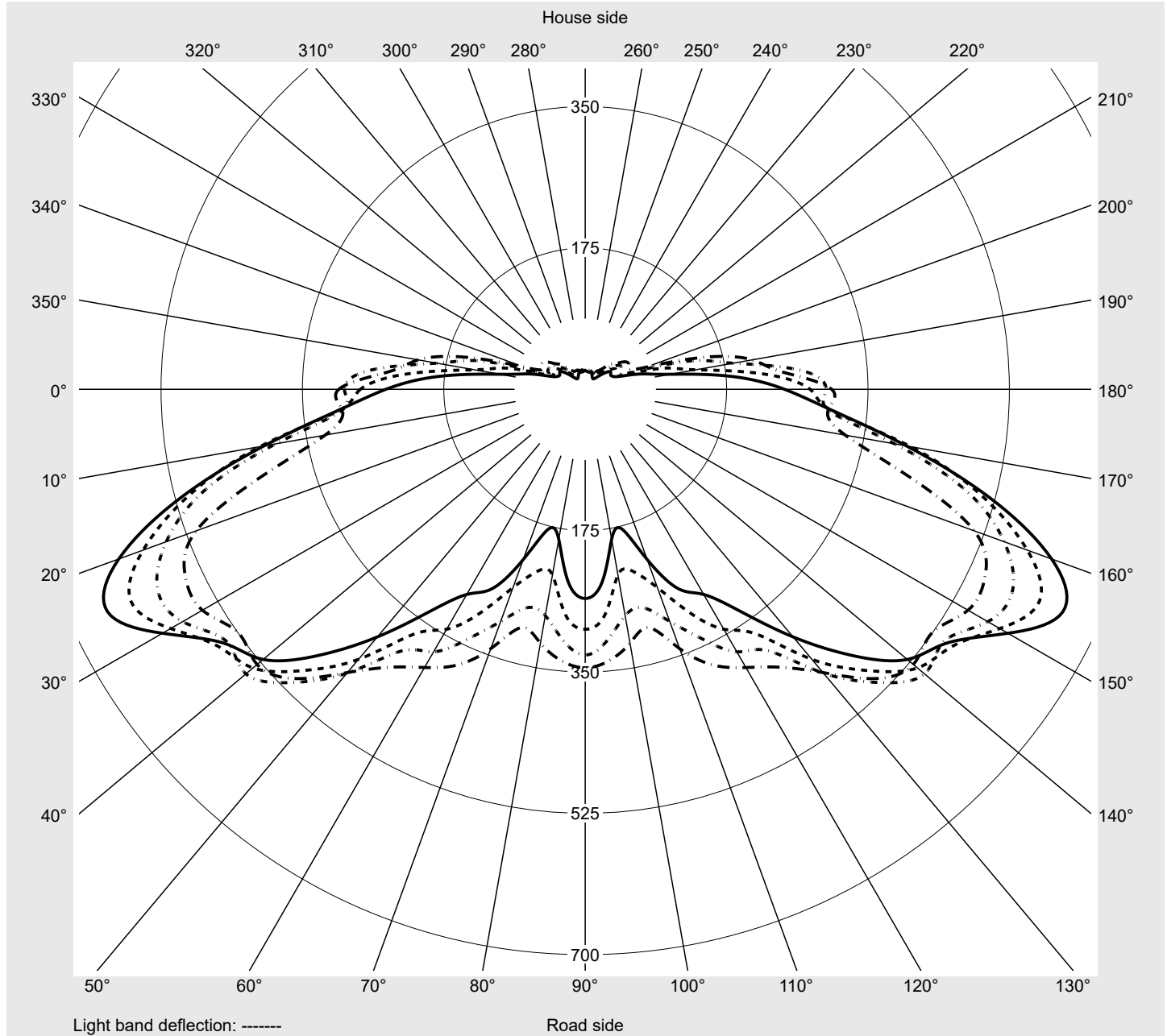
KMK 60°

KMK 57.5°

KMK 55°

KMK 52.5°

siteco



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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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	239.8	240.0	240.1	239.7	240.0	239.8	238.6	237.2	236.7	236.5	235.6	235.3	234.4
5,0°	229.1	228.4	228.7	229.6	230.3	230.5	231.2	232.4	235.4	238.5	239.7	241.9	242.5
7,5°	231.9	232.6	231.2	229.7	229.3	230.7	234.7	239.7	244.4	248.4	250.9	254.0	255.3
10,0°	240.0	245.5	244.0	240.9	238.8	237.8	236.9	240.2	245.1	251.2	258.7	264.9	272.0
12,5°	237.3	248.6	259.0	262.1	260.8	259.9	262.9	262.2	260.3	267.2	276.2	282.6	282.7
15,0°	219.3	225.4	240.1	256.9	269.9	275.0	269.3	265.6	263.3	261.3	264.6	271.9	281.1
17,5°	206.8	214.9	231.6	247.1	254.2	262.3	258.8	252.0	246.2	242.9	244.5	247.3	257.3
20,0°	208.4	221.3	226.4	230.6	233.9	237.1	240.8	248.5	251.5	245.3	240.1	242.0	254.3
22,5°	216.1	219.3	220.3	223.1	226.9	227.7	227.1	227.7	235.4	240.6	242.8	248.2	253.0
25,0°	207.1	214.4	224.2	232.5	232.6	229.4	231.1	234.6	239.8	243.8	257.3	260.7	268.7
27,5°	215.0	225.1	225.5	231.9	237.3	241.3	246.8	251.6	257.6	266.8	281.0	288.8	303.3
30,0°	222.4	233.4	237.1	242.8	250.8	255.0	257.8	266.5	281.3	295.2	308.3	320.8	334.8
32,5°	237.4	244.8	245.8	249.4	262.0	271.1	279.1	290.5	312.4	328.5	340.2	345.4	356.7
35,0°	261.6	267.3	267.7	267.3	274.5	285.1	303.6	321.6	334.8	353.0	362.6	378.3	388.1
37,5°	272.5	277.6	279.9	285.7	293.6	308.5	326.9	345.0	359.7	372.7	387.7	420.5	413.3
40,0°	293.4	297.1	299.4	309.9	319.5	345.9	359.3	367.5	382.1	408.4	414.9	433.9	441.4
42,5°	305.8	310.7	318.2	336.2	353.8	378.6	399.4	400.4	400.5	427.8	436.5	449.4	450.6
45,0°	319.6	313.1	321.5	373.8	392.3	420.0	434.8	431.2	434.8	457.0	452.4	447.1	446.6
47,5°	320.8	309.8	325.1	385.4	419.7	463.8	473.6	464.3	469.8	469.4	456.5	443.9	445.2
50,0°	310.2	307.2	315.4	392.2	452.4	522.3	511.8	491.4	505.3	487.1	454.1	435.2	423.2
52,5°	305.1	301.6	326.9	413.0	512.4	546.3	547.1	524.7	530.1	506.6	457.9	420.1	397.8
55,0°	298.1	302.5	388.7	489.5	551.8	584.1	575.4	542.9	548.3	513.5	458.7	395.3	375.4
57,5°	278.3	306.9	409.1	507.8	582.3	620.5	592.4	554.8	536.8	492.4	436.5	370.2	343.0
60,0°	246.7	308.6	403.8	518.1	614.4	652.2	604.1	547.4	520.4	465.8	400.3	336.1	293.3
62,5°	203.8	309.3	401.4	514.5	592.8	640.0	609.1	568.3	505.6	448.4	370.3	308.4	244.7
65,0°	184.8	305.8	399.8	491.5	545.4	635.2	624.2	536.2	477.4	421.4	336.1	290.3	208.4
67,5°	181.2	300.3	385.2	455.9	537.1	608.0	573.8	499.7	429.1	379.6	303.5	252.0	174.7
70,0°	182.8	298.3	348.6	421.3	536.1	593.9	515.4	439.2	393.7	335.0	261.7	204.6	153.3
72,5°	152.3	295.2	340.0	415.6	464.5	507.8	436.8	365.4	336.0	281.8	215.0	165.1	137.1
75,0°	123.4	244.9	296.2	319.8	343.4	381.6	351.0	272.8	224.7	206.6	172.7	145.5	127.0
77,5°	74.5	181.8	192.1	227.4	191.9	217.5	221.5	172.7	139.2	141.8	115.3	105.6	88.0
80,0°	47.1	60.2	72.3	86.8	96.2	97.8	98.2	98.9	96.2	95.3	52.2	40.0	30.9
82,5°	9.3	12.5	13.4	18.9	18.9	29.8	65.1	93.0	67.0	41.5	23.5	16.6	10.9
85,0°	3.5	3.3	3.7	4.4	5.5	7.4	9.6	16.6	11.6	10.1	9.4	7.2	6.3
87,5°	2.3	2.4	2.6	2.9	3.1	3.3	3.6	4.1	4.4	4.0	3.8	3.7	3.5
90,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

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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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4
2,5°	234.1	233.5	232.9	233.4	234.2	235.0	241.0	242.5	243.2	244.5	246.1	247.4	248.1
5,0°	244.3	246.1	247.2	250.8	255.4	257.5	231.6	232.2	232.8	232.6	234.9	236.2	234.4
7,5°	259.1	260.3	263.4	262.6	260.8	259.4	230.1	229.9	228.3	227.7	229.0	231.6	231.0
10,0°	272.7	271.8	271.6	272.6	275.4	279.2	233.5	228.8	225.7	223.4	224.7	226.2	223.3
12,5°	285.6	286.2	290.0	295.9	298.0	299.6	227.2	221.3	214.0	207.4	202.7	202.1	203.7
15,0°	282.9	288.2	301.7	314.1	320.8	324.6	210.7	201.6	193.5	182.8	169.7	162.8	156.0
17,5°	275.5	290.1	300.8	317.3	329.9	335.7	199.0	192.5	185.9	171.1	151.0	132.5	124.4
20,0°	266.9	281.0	296.7	311.8	330.4	336.1	198.2	187.6	172.6	163.2	145.4	126.2	113.8
22,5°	264.4	276.4	296.7	308.8	307.9	304.8	194.5	174.3	162.8	143.5	74.0	116.6	98.7
25,0°	273.7	286.6	295.4	294.2	295.9	287.6	195.6	169.8	156.1	135.8	121.1	107.6	89.5
27,5°	302.2	308.3	307.5	302.6	297.9	304.0	195.8	178.3	162.7	136.6	120.6	101.8	83.5
30,0°	338.0	331.1	312.4	313.6	311.7	315.9	207.9	188.4	165.9	142.2	120.1	98.1	77.8
32,5°	351.6	334.4	325.1	337.0	328.7	316.6	224.1	203.2	170.7	147.0	123.9	95.1	73.8
35,0°	381.8	364.5	359.3	364.4	357.6	348.7	254.1	231.6	188.3	154.7	127.9	92.7	72.5
37,5°	400.8	388.8	368.5	359.8	364.8	373.8	263.8	240.0	192.1	161.1	123.0	86.7	73.2
40,0°	426.7	407.3	369.0	349.1	366.6	383.8	284.2	250.4	192.1	160.5	115.3	82.8	76.0
42,5°	445.4	405.8	374.1	350.6	367.9	371.2	294.9	249.1	189.9	153.0	103.8	84.7	76.8
45,0°	454.6	404.8	367.5	355.3	367.9	364.9	304.7	253.4	189.5	145.6	91.7	87.2	83.4
47,5°	444.2	397.0	350.0	356.6	373.5	371.9	285.3	245.8	183.2	123.3	79.8	83.2	80.6
50,0°	415.6	363.0	328.5	334.1	367.2	358.4	246.0	208.6	170.2	99.8	69.6	75.4	71.6
52,5°	377.0	341.7	305.5	319.2	337.4	344.8	245.2	210.0	153.6	79.9	59.0	62.0	59.4
55,0°	340.5	305.9	280.1	284.6	312.2	329.0	268.2	186.1	136.3	60.7	50.5	52.1	51.7
57,5°	304.7	261.3	234.1	233.3	280.3	297.2	220.2	138.9	101.2	52.2	43.1	44.3	44.4
60,0°	272.4	224.3	180.1	188.5	239.8	259.0	182.4	107.2	73.6	47.7	37.8	36.3	38.0
62,5°	220.8	167.7	135.7	140.5	177.7	194.5	144.0	86.7	60.7	46.5	36.4	32.0	31.7
65,0°	173.8	118.9	93.3	100.8	117.9	110.3	115.5	69.8	50.4	41.5	34.4	30.3	28.6
67,5°	127.0	81.4	58.3	50.3	53.2	55.8	112.4	66.9	43.1	33.6	31.4	26.8	22.4
70,0°	110.0	67.0	36.1	23.4	24.0	23.7	111.5	64.4	43.1	30.9	28.2	21.7	19.7
72,5°	95.0	38.0	20.3	11.1	10.3	9.3	90.0	56.0	44.0	38.4	31.8	23.7	19.8
75,0°	83.9	21.9	12.7	8.3	7.2	7.1	63.0	53.1	47.7	34.4	29.9	25.7	18.1
77,5°	31.9	15.2	9.0	6.5	5.7	5.5	54.2	48.4	47.2	30.9	25.1	22.1	16.2
80,0°	14.1	9.7	6.4	5.0	4.4	4.2	36.4	35.4	29.8	22.2	19.6	18.2	16.2
82,5°	9.0	6.6	4.7	3.7	3.2	3.1	9.7	11.3	14.2	14.6	15.4	11.1	10.4
85,0°	5.2	3.9	2.9	2.3	1.9	1.7	3.1	3.1	3.2	3.3	3.4	3.5	3.5
87,5°	3.0	2.2	1.5	1.2	1.0	1.0	2.2	2.0	2.0	2.0	1.9	1.9	1.7
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
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

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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°	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	246.4	0.4	0.4
2,5°	249.5	252.2	254.7	257.5	259.7	261.3	261.3	261.3	262.1	262.4	262.8	2.9	3.3
5,0°	231.6	233.6	237.0	241.2	245.2	249.9	256.6	263.5	269.0	271.4	271.0	5.8	9.1
7,5°	225.8	225.3	227.9	229.8	234.2	239.7	243.5	246.5	250.9	255.1	256.9	8.6	17.7
10,0°	214.9	206.6	211.0	211.6	215.6	218.1	225.4	229.7	234.1	233.6	232.1	11.4	29.1
12,5°	205.5	194.6	195.1	193.5	195.4	200.0	205.8	215.1	216.6	206.7	202.2	14.2	43.3
15,0°	155.4	160.1	160.7	158.6	157.5	160.9	168.0	169.1	179.2	173.9	171.9	15.8	59.1
17,5°	121.8	123.5	125.8	124.8	119.6	125.9	127.1	123.3	124.5	126.5	127.6	16.7	75.9
20,0°	106.9	108.0	108.3	102.2	91.8	85.2	85.0	83.3	89.9	94.2	93.3	17.8	93.7
22,5°	90.5	90.6	95.5	88.8	77.0	70.1	67.6	63.8	62.9	62.6	70.1	18.6	112.3
25,0°	76.4	77.8	84.5	74.0	71.7	64.2	62.0	54.8	48.0	44.9	46.3	20.3	132.7
27,5°	68.7	60.3	56.3	57.6	57.9	53.0	52.5	44.8	39.0	37.0	36.1	22.7	155.4
30,0°	65.1	58.5	54.4	51.3	46.7	43.1	39.1	38.0	34.6	31.9	30.8	25.7	181.1
32,5°	63.3	57.4	53.7	46.9	39.3	34.9	32.3	30.9	29.7	28.1	26.3	28.9	210.0
35,0°	65.2	58.8	52.1	43.5	36.9	31.4	28.3	26.5	25.1	24.5	24.1	33.2	243.2
37,5°	66.6	58.3	50.3	42.4	36.2	31.2	26.4	24.9	23.6	24.2	23.4	36.8	280.0
40,0°	70.0	59.1	50.2	41.5	33.5	27.6	25.6	24.3	24.1	24.1	23.4	40.8	320.8
42,5°	71.2	59.5	50.3	40.5	32.6	27.3	24.6	24.4	24.3	23.8	24.8	44.5	365.3
45,0°	74.6	61.9	46.1	36.6	31.9	28.1	24.6	24.3	24.1	24.3	24.5	48.0	413.3
47,5°	70.1	55.1	41.9	34.0	30.1	27.6	24.8	24.2	24.2	24.2	24.6	50.6	463.9
50,0°	58.1	48.8	38.8	31.0	29.0	26.4	25.4	24.3	24.2	24.2	24.2	51.8	515.7
52,5°	49.6	43.2	33.6	28.2	25.7	25.8	25.3	24.1	24.3	24.7	24.1	53.3	569.0
55,0°	43.5	36.5	28.4	24.7	23.3	23.8	24.6	23.5	24.2	23.6	23.7	54.9	623.9
57,5°	36.2	29.1	22.9	20.4	21.4	22.1	23.1	22.7	22.9	23.1	23.6	53.9	677.8
60,0°	31.5	22.4	17.1	16.3	17.5	19.6	21.7	21.9	21.8	22.3	23.3	52.0	729.9
62,5°	25.2	17.7	13.2	12.8	14.7	17.2	19.3	19.4	19.7	20.4	20.9	49.2	779.1
65,0°	20.3	14.6	11.5	10.5	12.0	14.7	17.0	16.9	17.5	17.0	17.7	45.9	824.9
67,5°	18.1	13.7	10.7	9.4	10.0	11.5	13.5	14.1	14.8	13.6	14.4	41.9	866.8
70,0°	16.3	12.0	9.9	8.5	8.3	9.3	10.5	11.2	11.9	11.7	11.8	38.6	905.4
72,5°	14.7	10.9	8.3	7.1	6.8	7.7	8.1	8.4	9.0	9.3	9.3	34.1	939.5
75,0°	12.7	10.3	7.2	6.0	5.6	5.9	6.2	6.5	6.5	6.5	6.7	27.2	966.6
77,5°	10.4	7.6	5.8	5.1	4.5	4.1	4.4	4.6	3.7	3.2	3.1	18.1	984.8
80,0°	10.8	6.1	4.2	3.9	3.3	3.0	2.8	2.9	2.0	1.0	0.6	9.2	994.0
82,5°	7.4	4.7	3.4	2.9	2.5	2.2	1.9	1.9	1.1	0.6	0.4	4.3	998.3
85,0°	3.4	2.6	2.3	1.9	1.8	1.4	1.0	0.9	0.7	0.4	0.4	1.2	999.4
87,5°	1.6	1.5	1.2	1.2	1.0	0.9	0.7	0.6	0.5	0.4	0.4	0.6	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 mini LED	Order number: 5XC2AC1Y08HE EAN: 4069025078810	LP number 58293_526
Dimming levels table environmental temperature: 25°C		

Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W] start of lifetime	Power consumption [W] end of lifetime	Power consumption [W] average
100	254	254	6820	63.2	66.6	64.9
95	241	252	6471	59.1	62.3	60.7
90	229	250	6149	55.5	58.5	57.0
85	216	248	5800	51.7	54.4	53.0
80	203	246	5451	48.1	50.6	49.4
75	190	243	5102	44.7	47.0	45.8
70	178	241	4779	41.5	43.7	42.6
65	165	238	4430	38.1	40.1	39.1
60	152	235	4081	34.8	36.6	35.7
55	140	232	3759	31.8	33.4	32.6
50	127	229	3410	28.6	30.1	29.4
45	114	225	3061	25.6	26.8	26.2
40	102	221	2739	22.8	23.9	23.4
35	89	216	2390	20.0	20.9	20.4
30	76	210	2041	17.2	18.0	17.6
25	63	203	1692	14.6	15.2	14.9
20	51	195	1369	12.2	12.7	12.4
15	38	184	1020	9.8	10.1	10.0
10	25	169	671	7.4	7.6	7.5
9	22	164	591	6.8	7.0	6.9