

Photometric test report

Family
LANTERN LED

Order number: 5XA5255FF14H000022
EAN: 4058352635193

LP number
57122_35



Version post-top- or mounting to wall arm
Optic direct, asymmetric extremely wide distribution P100008
Cover cover transparent, PMMA
Lamps LED 3000 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 1510 lm
Power consumption = 10.5 W
Luminous efficacy = 143.8 lm/W

serial
documentation
08.07.2022

siteco

Luminous intensity in cd/klm

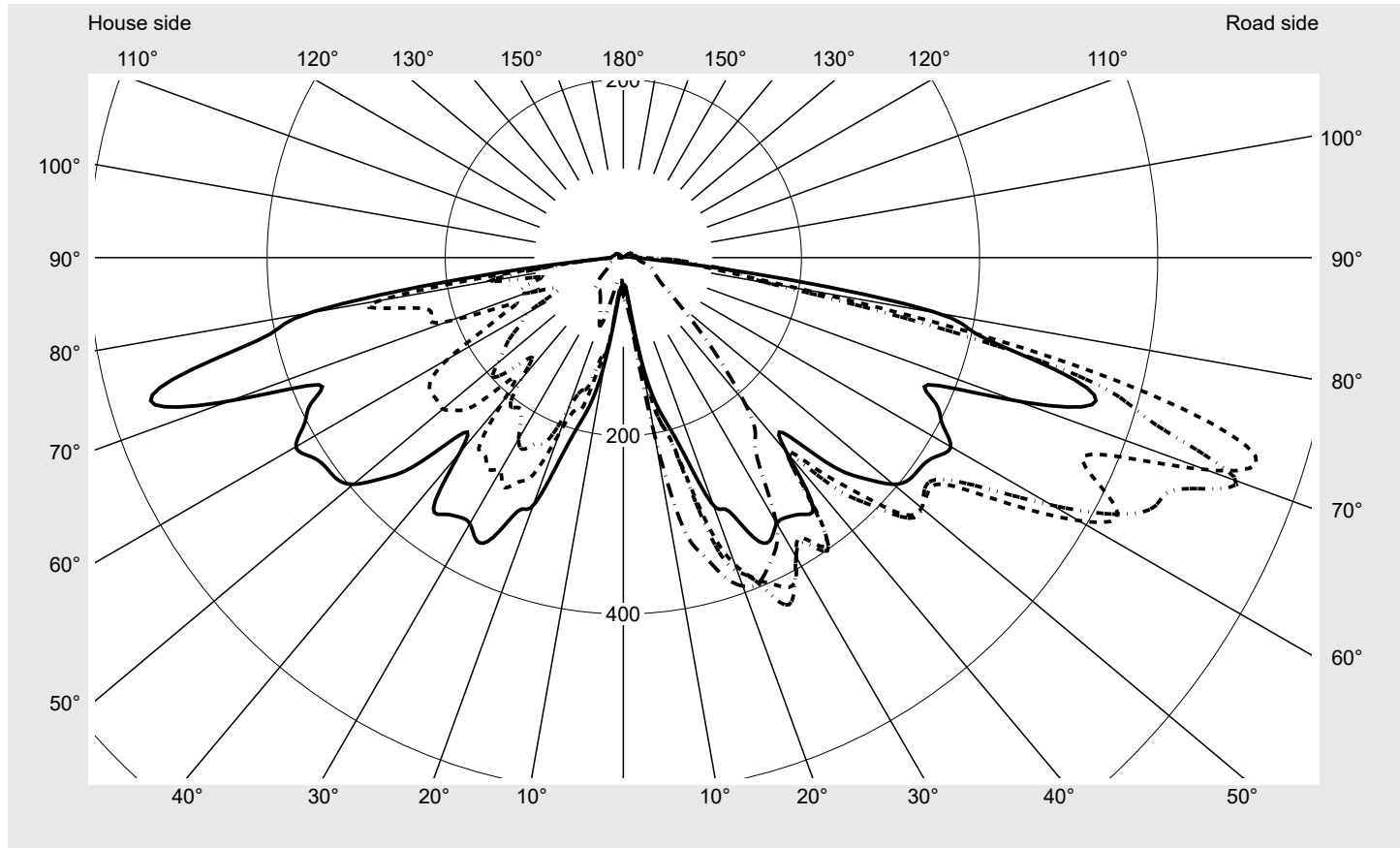
C180-0

C190-10

C195-15

C270-90

Imax: 745 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	96.2%
Eta 90° - 180°	3.8%

Luminous intensity class acc. to EN13201-2

Class:	---
Imax 70°	733.1
Imax 80°	358.5
Imax 90°	16.7
Imax >90°	14.8
Imax >95°	14.2

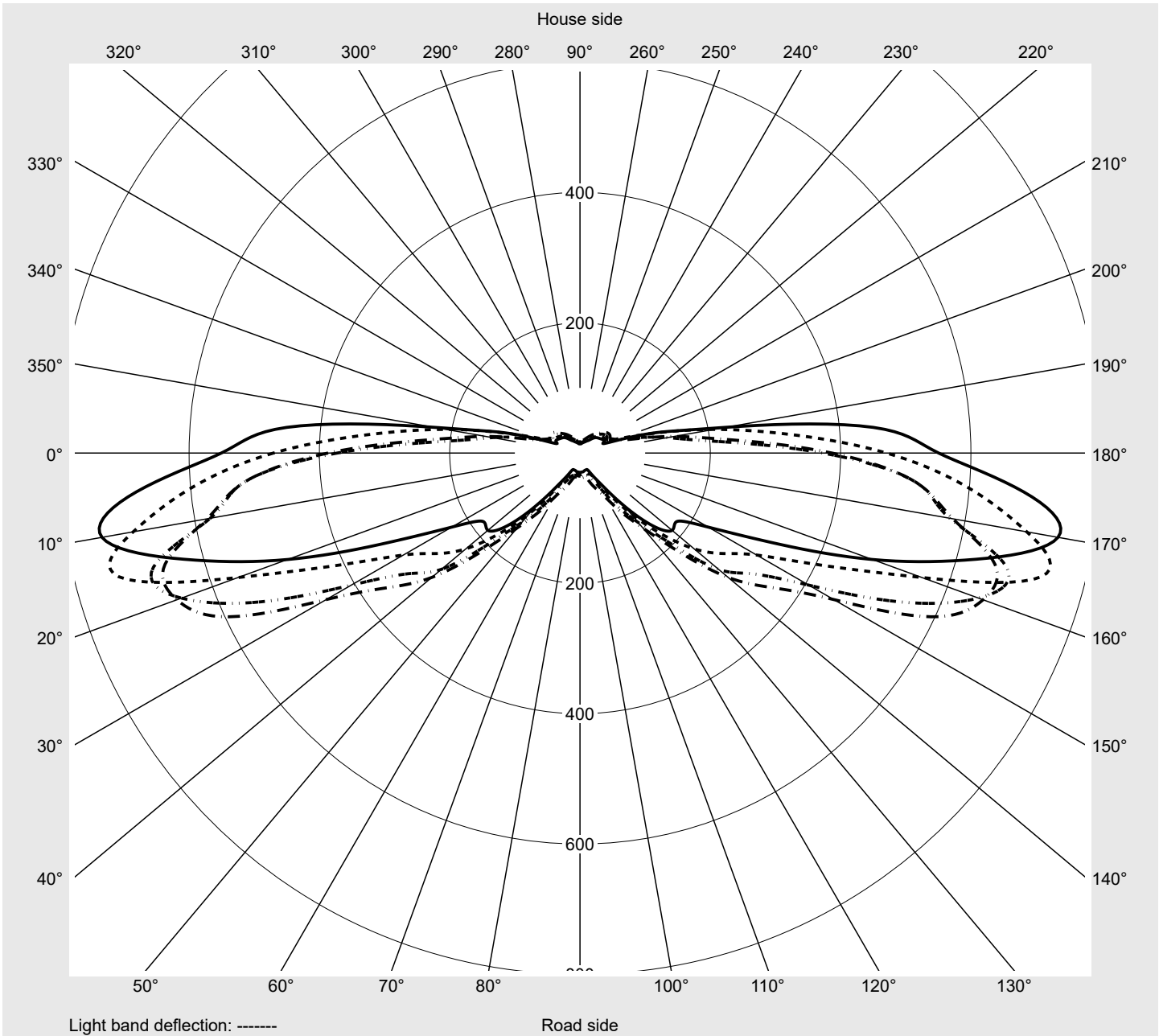
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 72.5°** **KMK 70°** **KMK 67.5°** **KMK 65°** **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°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
2,5°	33.5	33.8	34.1	34.5	34.8	35.4	36.4	37.4	39.3	40.9	43.2	45.4	47.3
5,0°	35.1	35.8	36.4	37.0	37.7	39.9	41.9	44.8	49.0	51.5	53.8	56.0	57.3
7,5°	57.0	64.4	71.5	77.3	82.8	87.9	91.2	94.4	97.3	99.2	99.5	98.9	97.3
10,0°	118.9	123.4	127.9	132.4	137.2	141.4	148.5	157.2	162.3	167.5	173.3	176.2	184.6
12,5°	166.2	169.1	187.5	186.2	198.4	205.8	211.6	220.3	235.8	238.7	251.6	263.8	278.6
15,0°	195.5	219.0	219.7	223.2	265.4	282.5	296.0	311.8	317.3	337.2	345.3	348.5	353.0
17,5°	238.0	256.1	313.4	332.1	362.4	374.3	389.7	386.5	376.5	373.0	372.7	373.6	372.0
20,0°	296.3	334.3	366.9	374.9	379.1	397.5	406.2	418.4	413.9	413.2	395.9	396.2	391.0
22,5°	307.3	359.8	391.0	394.9	408.7	393.9	415.2	403.9	407.5	420.7	403.9	406.8	401.0
25,0°	346.9	374.6	405.5	430.3	412.9	407.5	405.5	405.5	409.7	410.3	409.4	396.8	391.0
27,5°	357.5	382.3	413.9	416.1	410.3	408.7	402.0	403.9	397.8	391.7	388.8	380.7	374.3
30,0°	344.6	365.9	388.4	387.8	385.5	391.3	382.3	385.9	380.4	369.8	364.6	354.6	342.7
32,5°	345.0	360.4	372.7	379.4	382.3	377.2	390.4	392.0	378.5	364.3	351.7	331.8	308.6
35,0°	351.7	385.2	395.9	400.7	391.7	386.8	384.6	368.5	359.5	339.8	317.6	298.9	282.8
37,5°	348.8	360.7	351.7	346.3	354.6	334.0	319.8	318.2	313.1	299.5	290.5	264.4	251.2
40,0°	285.4	279.6	285.4	289.9	283.1	303.7	312.4	310.8	303.4	279.9	256.1	228.7	214.8
42,5°	267.7	288.9	323.7	348.8	357.8	364.9	360.1	342.4	327.2	286.3	250.9	212.6	195.2
45,0°	329.2	351.4	374.9	392.6	398.4	389.7	369.8	349.5	320.5	284.1	237.1	198.7	181.3
47,5°	366.9	402.6	426.8	432.6	418.7	397.8	368.2	340.5	303.7	260.9	214.5	185.2	173.6
50,0°	395.9	424.2	437.1	437.7	434.2	415.5	381.4	349.5	299.2	236.4	188.1	168.5	158.5
52,5°	406.8	436.1	431.6	426.5	434.8	426.5	396.5	350.4	297.0	222.9	168.8	156.2	139.1
55,0°	408.7	438.1	444.5	433.9	427.4	425.2	400.4	353.0	292.1	217.7	161.0	144.9	123.0
57,5°	415.8	465.4	515.0	481.5	443.8	440.9	399.1	352.4	294.1	216.1	156.5	127.2	105.6
60,0°	424.5	511.8	590.4	555.9	500.9	479.6	416.5	356.6	295.7	226.4	159.1	122.1	99.8
62,5°	403.6	517.3	625.8	623.9	613.9	570.8	447.1	365.9	304.4	225.5	157.2	115.6	97.6
65,0°	386.8	517.9	581.1	659.3	658.4	594.6	449.6	360.1	297.0	213.5	150.1	110.8	78.6
67,5°	372.7	518.3	576.2	678.0	651.0	540.2	405.5	323.1	277.6	195.8	139.1	99.2	61.8
70,0°	470.6	596.2	696.4	733.1	558.5	406.5	313.1	269.0	228.7	174.3	121.8	74.1	44.8
72,5°	550.5	683.5	745.0	629.7	477.7	325.3	227.4	182.6	184.6	157.8	106.9	63.5	41.9
75,0°	519.9	539.5	642.9	552.7	376.9	219.7	160.1	132.7	121.1	98.9	73.1	47.0	31.6
77,5°	412.9	386.5	437.4	360.4	254.1	153.6	121.8	107.3	83.4	63.1	42.2	27.4	22.5
80,0°	358.5	319.2	202.3	166.2	151.1	108.9	92.8	69.6	45.7	38.0	29.0	22.2	19.0
82,5°	182.3	137.2	108.5	132.4	109.8	83.7	68.9	47.7	26.4	20.9	18.7	18.0	17.7
85,0°	53.8	46.4	72.5	85.7	75.4	52.8	42.8	33.2	20.9	18.0	16.7	16.7	16.4
87,5°	22.5	32.2	49.9	58.9	39.0	31.6	25.8	22.2	16.7	15.5	15.8	15.8	15.5
90,0°	14.5	15.1	16.4	16.7	16.4	15.8	15.5	15.1	14.8	14.8	14.8	15.1	14.8
92,5°	13.2	13.9	14.2	14.5	14.5	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
95,0°	12.6	13.2	13.9	13.9	13.9	14.2	14.2	14.2	14.2	14.2	14.2	14.5	14.5
97,5°	11.9	12.6	13.2	13.2	13.5	13.5	13.5	13.5	13.5	13.9	13.9	14.2	14.2
100,0°	11.3	11.9	12.2	12.2	12.6	12.9	12.9	12.9	12.9	13.2	13.5	13.5	13.5
102,5°	10.6	11.0	11.6	11.6	11.9	12.2	12.2	12.2	12.6	12.9	12.9	12.9	12.9
105,0°	10.3	10.6	11.0	11.3	11.6	11.6	11.9	11.9	12.2	12.2	12.2	12.2	12.9
107,5°	10.0	10.3	10.6	11.0	11.0	11.3	11.6	11.6	11.6	11.6	12.2	12.2	12.2
110,0°	9.7	10.0	10.3	10.6	11.0	11.0	11.3	11.6	11.6	11.6	11.9	12.2	12.2
112,5°	9.7	10.0	10.3	10.3	10.6	11.0	11.0	11.0	11.6	11.6	11.6	11.6	11.9

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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°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
2,5°	48.6	49.0	49.3	49.6	49.6	49.6	33.5	33.5	33.5	33.2	32.9	32.5	32.5
5,0°	57.7	57.7	58.0	58.0	58.0	58.0	35.1	35.1	35.4	35.8	35.8	35.4	35.1
7,5°	96.3	95.7	94.7	92.8	92.1	92.1	49.0	43.5	39.6	37.7	36.7	36.1	35.8
10,0°	193.6	195.2	197.4	200.0	201.6	203.6	114.0	110.8	105.0	97.0	88.3	75.4	55.7
12,5°	292.1	303.4	313.7	314.7	311.5	310.5	145.9	125.9	114.7	111.1	99.8	97.9	95.7
15,0°	350.8	352.1	350.8	349.2	345.6	345.3	180.1	172.0	148.5	165.2	128.5	131.4	123.7
17,5°	373.3	374.6	378.5	375.6	375.6	374.9	220.0	179.4	156.5	145.3	164.9	128.2	111.4
20,0°	392.3	389.1	391.3	389.1	391.7	392.3	266.4	209.0	182.0	169.7	136.6	120.8	110.2
22,5°	393.6	389.7	388.4	389.4	391.3	395.5	287.0	263.2	222.2	184.9	156.5	138.5	120.8
25,0°	385.9	380.1	380.7	380.7	383.6	383.9	307.0	277.6	230.0	179.7	163.6	140.8	127.2
27,5°	363.3	355.9	358.5	364.9	368.5	369.8	330.8	290.5	242.5	198.4	171.0	143.7	120.8
30,0°	323.7	318.2	326.0	334.0	339.8	343.4	323.1	276.4	235.1	209.0	174.9	140.1	113.1
32,5°	293.4	289.6	292.5	292.5	291.5	291.2	310.5	281.8	213.5	186.2	173.0	132.1	95.0
35,0°	274.1	270.2	268.0	262.2	258.3	257.7	322.7	270.9	205.5	180.4	154.0	108.2	77.0
37,5°	245.4	245.8	245.8	242.5	242.2	242.9	300.5	265.4	208.4	184.9	132.7	84.4	62.5
40,0°	209.7	212.3	213.5	214.2	211.9	210.7	264.1	208.1	178.8	162.7	112.4	75.0	59.6
42,5°	197.4	198.1	193.6	182.3	174.6	169.4	236.1	182.6	152.0	121.8	91.2	65.4	61.8
45,0°	175.2	170.7	162.7	148.5	137.2	134.6	304.4	232.2	176.5	129.2	76.7	65.1	64.1
47,5°	157.8	146.2	135.0	119.5	108.2	104.4	319.5	253.8	198.1	115.3	65.1	63.8	65.7
50,0°	142.0	124.3	110.5	97.0	85.7	82.5	337.6	264.4	183.0	108.2	62.5	62.8	64.1
52,5°	121.8	103.1	91.2	79.2	68.9	67.0	346.6	263.5	168.1	85.4	63.1	60.9	61.5
55,0°	104.7	88.3	75.0	65.4	57.0	54.8	342.7	263.8	153.3	77.6	63.1	58.6	58.3
57,5°	91.8	74.4	62.2	53.8	48.6	48.3	350.4	256.1	135.0	67.3	61.8	57.7	56.4
60,0°	79.2	60.9	50.2	45.4	43.8	43.8	344.0	227.1	125.0	65.7	60.2	56.4	55.7
62,5°	75.4	56.4	43.2	39.9	39.9	39.9	297.0	179.1	87.6	59.3	56.4	55.7	55.4
65,0°	61.8	50.2	39.9	37.4	37.7	37.4	232.9	146.9	82.1	61.2	52.5	53.1	52.8
67,5°	45.7	37.7	35.4	34.5	35.1	35.4	207.4	136.6	91.2	60.2	47.0	48.0	47.7
70,0°	35.8	34.5	32.2	32.2	32.9	33.5	325.3	209.0	117.2	66.0	45.4	43.8	42.5
72,5°	29.3	27.4	27.7	29.0	29.3	29.6	451.9	227.4	120.8	48.3	40.3	40.9	38.3
75,0°	24.8	24.8	25.1	25.4	25.1	25.1	466.7	226.1	103.7	44.4	35.8	35.4	34.5
77,5°	21.6	21.9	22.2	21.3	20.6	20.0	356.9	261.5	101.5	31.6	32.9	32.9	31.2
80,0°	19.6	19.6	19.3	18.7	18.0	18.0	212.9	279.6	150.7	36.4	29.0	28.7	27.7
82,5°	18.4	18.0	17.4	16.7	16.7	16.7	134.0	119.2	96.0	23.5	25.1	25.8	25.4
85,0°	16.4	16.4	16.1	16.1	16.1	16.1	75.7	43.2	48.3	31.9	22.5	23.5	23.8
87,5°	15.5	15.5	15.5	15.5	15.5	15.5	23.2	18.7	19.6	19.6	20.6	21.9	20.9
90,0°	14.8	14.8	14.8	14.8	14.8	14.8	13.2	12.2	12.2	12.2	12.9	12.6	11.9
92,5°	14.8	14.8	14.8	14.8	14.8	14.8	12.6	11.9	11.0	10.3	9.7	9.0	8.4
95,0°	14.5	14.8	14.8	14.8	14.8	14.8	11.9	11.3	10.6	10.0	9.3	8.7	8.1
97,5°	14.2	14.2	14.2	14.2	14.2	14.2	11.3	11.0	10.3	9.7	9.0	8.4	7.7
100,0°	13.5	13.5	13.5	13.5	13.5	13.5	11.3	10.6	10.0	9.3	8.7	8.1	7.7
102,5°	12.9	12.9	12.9	12.9	12.9	12.9	10.3	10.0	9.3	8.7	8.1	7.7	7.1
105,0°	12.9	12.9	12.9	12.9	12.9	12.2	10.0	9.3	9.0	8.4	8.1	7.7	7.1
107,5°	12.2	12.2	12.6	12.9	12.9	11.6	9.7	9.0	8.7	8.4	7.7	7.4	7.1
110,0°	12.2	12.2	12.2	12.2	12.2	11.0	9.3	9.0	8.7	8.1	7.7	7.4	7.1
112,5°	12.2	12.2	12.2	12.2	11.3	7.1	9.0	9.0	8.4	8.4	7.7	7.1	7.1

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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°	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	0.1	0.1
2,5°	32.5	32.2	32.2	31.9	31.2	30.9	30.3	29.6	28.3	28.0	27.7	0.4	0.5
5,0°	34.5	33.8	33.2	32.5	31.2	30.6	29.6	28.7	28.0	27.1	26.4	1.0	1.5
7,5°	35.1	34.5	33.5	32.9	31.6	30.3	29.0	28.0	27.4	27.1	27.1	2.2	3.7
10,0°	43.5	38.3	36.1	34.1	33.5	31.2	29.0	26.4	25.4	25.1	25.1	5.3	9.0
12,5°	89.2	82.5	68.3	57.3	47.3	42.5	37.0	29.3	26.1	25.1	25.1	9.6	18.6
15,0°	102.1	99.8	103.4	95.3	100.5	65.1	56.7	50.9	43.2	37.7	36.1	14.7	33.3
17,5°	108.2	92.1	104.7	87.6	83.7	76.0	75.0	71.5	73.1	74.1	74.1	19.6	52.9
20,0°	97.9	90.5	108.2	100.5	88.3	84.4	78.6	69.3	71.8	77.6	78.6	24.1	77.0
22,5°	102.7	104.4	102.1	93.7	81.8	74.1	73.1	67.0	68.6	69.6	68.3	27.7	104.7
25,0°	107.9	111.4	80.8	72.5	70.5	71.5	69.6	66.4	61.5	61.8	61.8	30.7	135.4
27,5°	108.2	80.8	69.6	66.7	69.3	71.8	66.7	61.5	55.7	56.0	56.0	32.9	168.3
30,0°	92.4	77.3	72.8	72.1	68.9	67.6	62.2	57.3	51.9	51.5	51.5	33.6	201.9
32,5°	75.4	75.4	74.1	71.8	69.3	66.7	60.2	55.7	49.3	48.3	48.3	34.4	236.3
35,0°	70.2	74.4	74.7	70.9	69.9	67.3	60.2	54.1	45.7	46.1	45.7	35.4	271.7
37,5°	65.7	70.5	70.9	70.2	69.6	68.9	60.9	55.1	44.1	45.4	45.1	34.2	305.9
40,0°	59.6	62.8	65.4	66.0	66.0	65.1	59.6	54.4	45.4	47.7	47.7	31.7	337.6
42,5°	56.7	55.1	59.3	60.6	59.3	58.9	56.4	52.5	46.1	46.7	47.0	33.1	370.7
45,0°	61.8	57.7	53.8	55.1	55.1	52.2	49.6	47.3	42.8	42.2	41.2	35.7	406.4
47,5°	65.4	62.5	57.3	50.2	48.0	45.4	42.5	39.0	37.4	38.3	37.4	37.0	443.4
50,0°	65.4	64.1	59.6	51.2	44.4	38.7	34.8	33.5	31.9	30.9	32.2	37.8	481.2
52,5°	62.8	62.8	60.6	53.1	44.4	37.0	30.9	27.1	26.1	25.8	26.4	38.0	519.2
55,0°	58.3	58.3	56.7	50.9	43.2	35.8	29.6	26.1	23.8	22.2	22.5	38.2	557.4
57,5°	54.4	53.1	51.9	46.7	40.3	34.1	28.7	25.4	22.5	20.9	20.6	39.4	596.8
60,0°	52.5	49.3	47.7	42.8	36.7	30.9	26.7	23.8	21.9	20.3	20.6	41.8	638.6
62,5°	50.9	46.4	43.5	38.7	32.9	28.7	24.5	22.5	20.9	19.6	20.0	43.7	682.3
65,0°	49.3	43.2	38.7	34.5	30.0	26.1	22.9	20.6	19.3	18.4	18.7	43.5	725.8
67,5°	45.1	40.3	35.4	30.9	26.4	23.5	20.9	19.3	17.7	17.1	17.4	42.0	767.8
70,0°	39.9	35.8	31.2	27.1	24.2	21.6	19.3	18.0	16.7	15.8	16.1	42.8	810.5
72,5°	36.1	33.5	29.0	24.2	21.6	19.3	17.7	16.4	15.1	14.2	14.2	41.7	852.2
75,0°	31.6	29.0	25.4	22.2	19.6	17.7	16.1	14.8	13.9	12.6	12.9	35.4	887.6
77,5°	29.3	26.1	23.2	20.3	17.7	15.5	13.9	12.9	11.9	11.0	11.0	27.0	914.5
80,0°	25.4	22.5	20.0	18.0	16.1	14.2	12.6	11.0	10.0	9.0	9.0	19.9	934.4
82,5°	22.5	19.6	16.4	15.1	14.2	12.9	11.6	9.7	8.7	7.7	7.7	12.5	947.0
85,0°	20.3	16.4	13.9	12.2	11.9	11.0	9.7	8.4	7.7	6.8	7.1	7.8	954.8
87,5°	17.1	13.9	11.3	10.0	9.3	9.0	7.7	7.1	6.4	5.8	6.4	5.3	960.1
90,0°	10.0	9.0	7.7	7.1	6.4	6.1	5.5	5.2	5.2	4.5	4.5	3.3	963.4
92,5°	7.7	7.1	6.4	6.4	5.8	5.2	4.5	4.5	4.5	3.9	4.5	3.1	966.4
95,0°	7.7	7.1	6.4	5.8	5.8	5.2	5.2	4.5	4.5	3.9	4.5	3.0	969.4
97,5°	7.4	7.1	6.4	5.8	5.8	5.2	4.8	4.5	4.5	4.5	3.9	2.9	972.3
100,0°	7.1	6.8	6.4	5.8	5.5	5.2	4.5	4.5	4.5	4.5	4.5	2.7	975.0
102,5°	7.1	6.4	5.8	5.8	5.2	5.2	4.5	4.5	4.2	3.9	3.9	2.6	977.5
105,0°	6.8	6.4	5.8	5.5	5.2	4.8	4.5	4.5	4.5	3.9	3.9	2.5	980.0
107,5°	6.4	6.4	5.8	5.5	5.2	4.8	4.5	4.5	4.2	3.9	3.9	2.4	982.4
110,0°	6.4	6.1	5.8	5.5	5.2	4.8	4.5	4.5	4.5	3.9	3.2	2.3	984.7
112,5°	6.4	6.4	5.8	5.5	5.2	5.2	4.5	4.5	4.5	3.9	2.6	2.2	986.9

Photometric test report

Family LANTERN LED	Order number: 5XA5255FF14H000022 EAN: 4058352635193	LP number 57122_35
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Table of values for luminous intensities	Maximum luminous intensity	siteco
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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												
115,0°	9.3	9.7	10.0	10.3	10.3	11.0	11.0	11.0	11.3	11.3	11.6	11.6	11.6
117,5°	9.3	9.7	9.7	10.3	10.3	10.6	11.0	11.0	11.0	11.0	11.3	11.6	11.6
120,0°	9.0	9.0	9.3	9.7	10.0	10.3	10.3	10.3	10.6	11.0	11.0	11.0	11.0
122,5°	8.1	8.4	8.7	9.0	9.0	9.3	9.7	9.7	9.7	10.0	10.3	10.3	10.3
125,0°	6.8	6.8	7.1	7.4	7.4	7.7	7.7	7.7	8.1	8.1	8.4	8.4	8.4
127,5°	4.8	5.2	5.2	5.2	5.5	5.5	5.5	5.8	5.8	5.8	5.8	5.8	5.8
130,0°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
132,5°	3.2	3.2	3.2	3.2	3.5	3.5	3.2	3.5	3.5	3.2	3.2	3.5	3.5
135,0°	2.9	2.9	2.9	3.2	3.2	3.2	2.9	3.2	3.2	2.9	3.2	2.9	3.2
137,5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
140,0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.0	1.3
145,0°	1.3	1.0	1.3	1.0	0.6	1.3	0.6	0.6	0.6	0.6	0.6	0.6	0.6
147,5°	1.3	0.6	1.0	1.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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
165,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Photometric test report

Family LANTERN LED	Order number: 5XA5255FF14H000022 EAN: 4058352635193	LP number 57122_35
		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												
115,0°	11.9	11.9	12.2	12.2	10.0	4.5	9.0	8.7	8.4	8.1	7.7	7.4	7.1
117,5°	11.6	11.6	11.6	11.6	8.7	4.5	9.0	8.4	8.4	7.7	7.7	7.1	6.8
120,0°	11.3	11.6	11.6	11.6	7.7	3.9	8.4	8.1	7.7	7.4	7.1	6.8	6.4
122,5°	10.3	11.0	10.6	11.0	6.8	3.2	7.7	7.4	7.4	6.8	6.4	6.4	5.8
125,0°	8.4	8.7	8.7	8.4	5.5	2.6	6.4	6.1	6.1	5.8	5.5	5.2	5.2
127,5°	5.8	6.1	6.4	5.8	3.9	2.6	4.8	4.5	4.5	4.5	4.2	3.9	3.9
130,0°	3.9	3.9	3.9	3.9	2.6	1.9	3.9	3.9	3.5	3.2	3.2	3.2	3.2
132,5°	3.5	3.9	3.5	3.2	2.3	1.9	3.2	3.2	3.2	3.2	3.2	2.9	2.6
135,0°	3.2	3.2	3.2	2.6	1.9	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6
137,5°	2.6	2.6	2.6	1.9	1.6	1.3	2.6	2.6	2.6	2.3	2.3	1.9	1.9
140,0°	1.9	1.9	1.9	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.6	1.9	1.6
142,5°	1.3	1.3	1.3	1.3	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145,0°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147,5°	0.6	0.6	0.6	0.6	0.6	0.6	1.0	0.6	1.3	1.0	1.3	1.3	1.3
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
165,0°	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

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	
115,0°	6.4	6.4	5.8	5.5	5.2	4.8	4.5	4.5	4.5	3.2	2.6	2.1	989.0
117,5°	6.4	5.8	5.8	5.2	5.2	4.5	4.5	4.5	3.9	3.2	1.9	2.0	991.1
120,0°	6.1	5.8	5.5	5.2	4.8	4.5	4.5	4.2	3.9	2.6	1.9	1.9	993.0
122,5°	5.8	5.2	5.2	4.5	4.5	4.5	3.9	3.9	3.9	2.6	1.9	1.7	994.7
125,0°	4.8	4.5	4.2	3.9	3.9	3.5	3.2	3.2	2.9	2.3	1.9	1.4	996.0
127,5°	3.5	3.5	3.2	3.2	3.2	2.9	2.6	2.6	2.3	1.9	1.9	1.0	997.0
130,0°	3.2	2.6	2.6	2.6	2.6	2.6	2.6	2.3	1.9	1.9	1.9	0.7	997.7
132,5°	2.6	2.6	2.6	2.6	2.6	2.6	2.3	1.9	1.9	1.3	1.9	0.6	998.3
135,0°	2.6	2.6	2.3	1.9	1.9	1.9	1.9	1.9	1.9	1.3	1.3	0.5	998.8
137,5°	1.9	1.9	1.9	1.9	1.9	1.9	1.6	1.3	1.3	1.3	1.3	0.4	999.2
140,0°	1.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.3	999.5
142,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.7
145,0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.2	999.9
147,5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.1	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
165,0°	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 LANTERN LED	Order number: 5XA5255FF14H000022 EAN: 4058352635193	LP number 57122_35
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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	1510	10.5	10.8	10.6
95	241	252	1433	10.0	10.3	10.2
90	229	250	1361	9.4	9.8	9.6
85	216	248	1284	8.9	9.2	9.0
80	203	246	1207	8.3	8.7	8.5
75	190	243	1130	7.8	8.1	8.0
70	178	241	1058	7.3	7.6	7.4
65	165	238	981	6.9	7.1	7.0
60	152	235	904	6.4	6.6	6.5
55	140	232	832	5.9	6.1	6.0
50	127	229	755	5.4	5.6	5.5
45	114	225	678	5.0	5.2	5.1
40	102	221	606	4.6	4.7	4.6
35	89	216	529	4.1	4.3	4.2
30	76	210	452	3.7	3.8	3.8
28	72	208	428	3.5	3.7	3.6