

Photometric test report

Family
LITEPOLE 2

Order number: 5XA5425OF14H
EAN: 4058352836774

LP number
58891_28

serial
documentation
24.02.2023

siteco



Version post-top- or mounting to wall arm
Optic direct, symmetric wide distribution
 C120009
Cover cover transparent, PMMA
Lamps LED 2700 K | CRI ≥ 70
Controlgear ECG SITECO iQ
Rated values Net luminous flux = 3000 lm
 Power consumption = 21.8 W
 Luminous efficacy = 137.6 lm/W

Luminous intensity in cd/klm

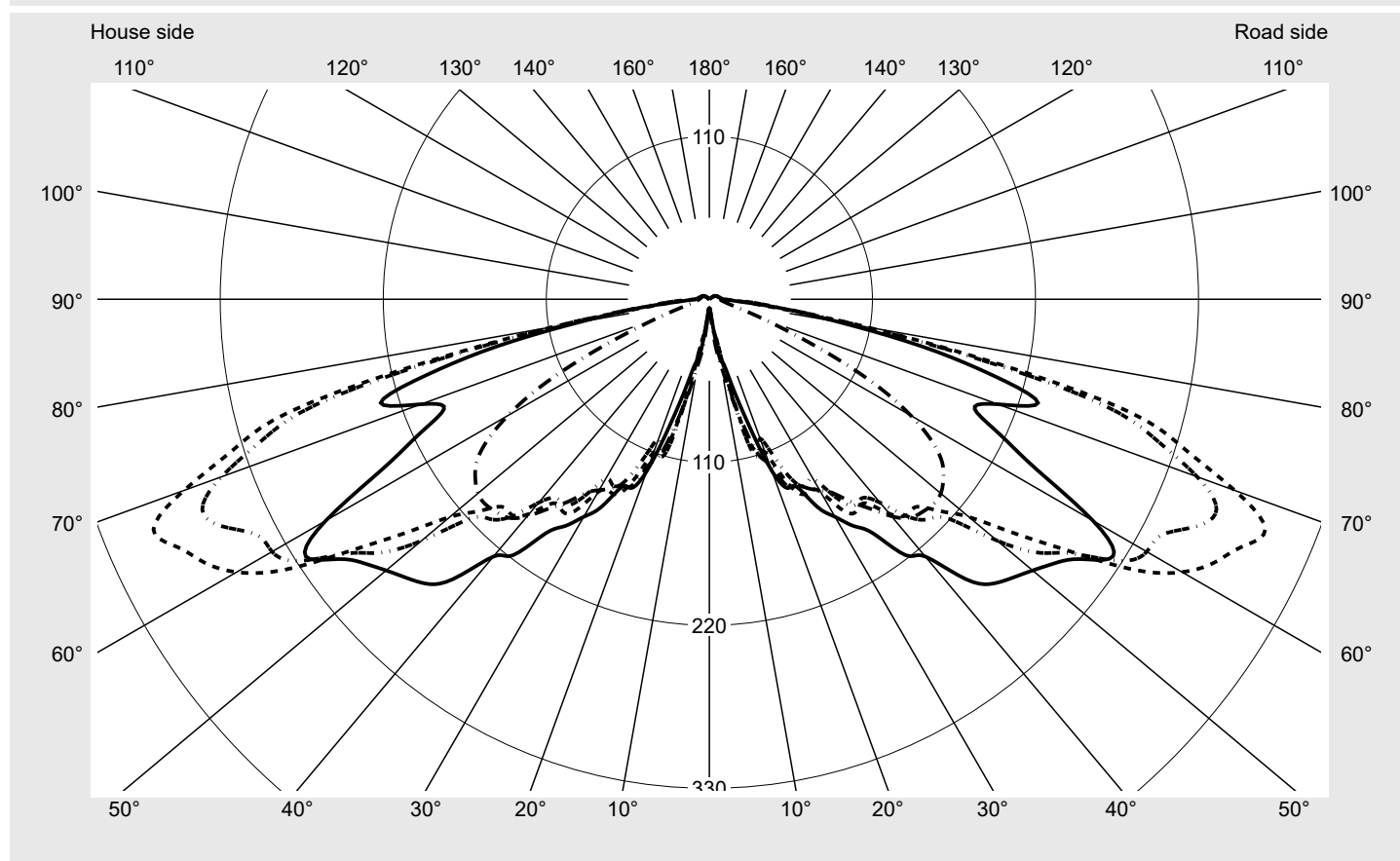
C180-0

C205-25

C210-30

C270-90

Imax: 406 cd/klm



Luminaire output ratios

Eta	100.0%
Eta 0° - 90°	97.7%
Eta 90° - 180°	2.3%

Luminous intensity class acc. to EN13201-2

Class:	G2
Imax 70°	377.3
Imax 80°	113.1
Imax 90°	9.2
Imax >90°	8.6
Imax >95°	7.7

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

KMK 67.5°

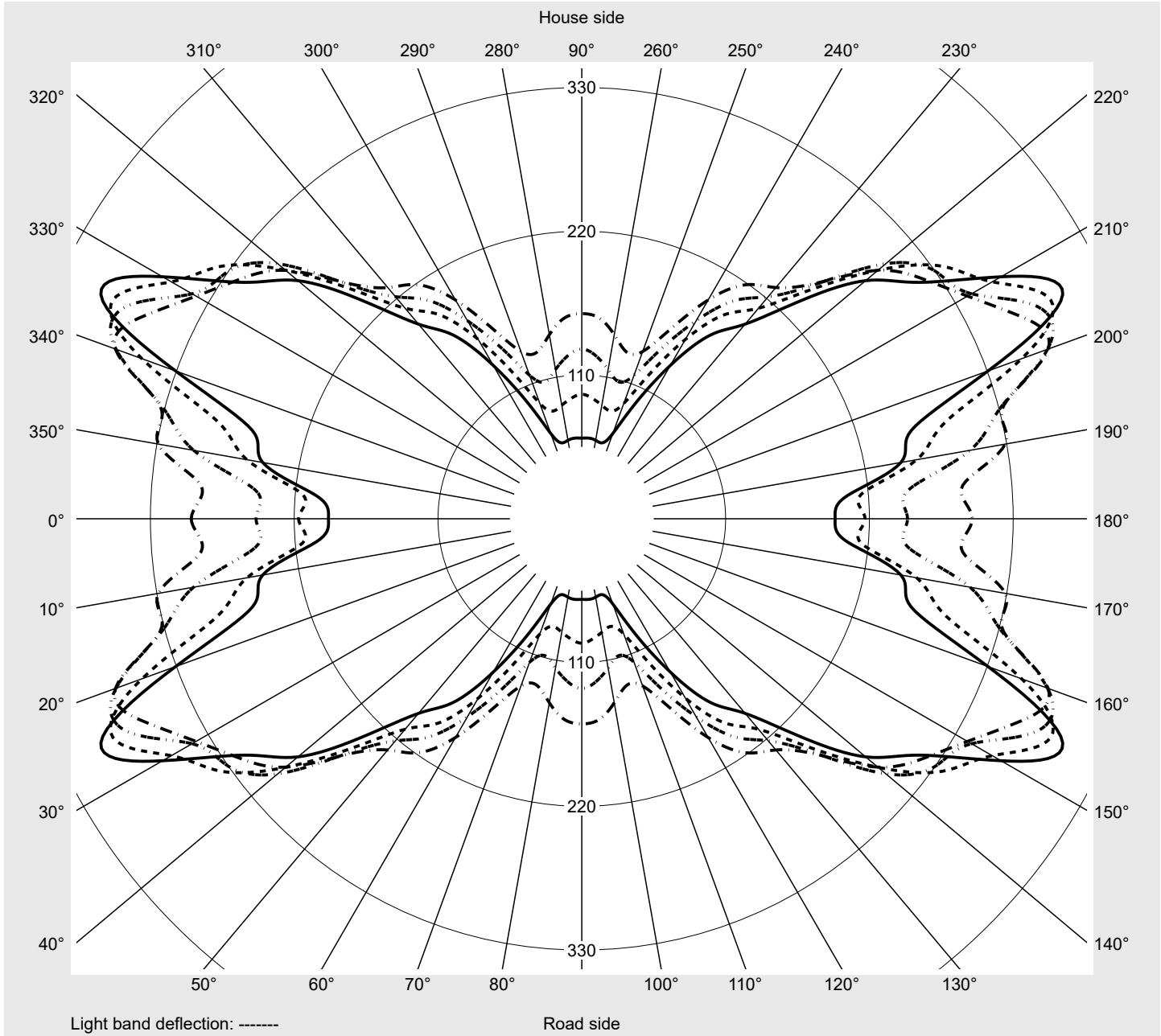
KMK 65°

KMK 62.5°

KMK 60°

sit

eco



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Family LITEPOLE 2	Order number: 5XA5425OF14H EAN: 4058352836774	LP number 58891_28
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
2,5°	6.1	6.3	6.2	6.3	6.3	6.3	6.3	6.4	6.4	6.6
5,0°	8.2	8.5	8.5	8.7	8.8	9.1	9.5	9.9	10.3	10.6
7,5°	18.6	18.9	19.3	19.8	19.8	20.0	20.1	20.7	20.7	21.1
10,0°	40.3	39.6	39.2	36.2	32.4	28.6	26.2	26.1	27.6	30.0
12,5°	44.9	46.8	52.6	52.5	54.2	52.9	56.0	57.8	57.7	56.0
15,0°	63.1	60.1	81.1	76.8	78.6	93.3	99.7	79.8	84.5	85.1
17,5°	90.3	83.2	102.1	99.4	112.8	107.8	110.0	95.1	101.6	94.7
20,0°	123.3	131.2	127.6	122.2	120.3	109.9	100.0	98.2	102.4	99.1
22,5°	137.9	126.6	136.4	141.5	138.9	130.3	116.6	110.5	100.6	96.7
25,0°	139.7	132.6	140.0	140.1	147.1	144.8	136.1	124.5	112.3	101.5
27,5°	158.2	138.8	146.5	141.3	143.0	146.1	141.4	135.4	126.3	118.8
30,0°	169.5	166.0	174.3	159.0	154.8	150.1	140.0	137.0	137.3	140.3
32,5°	181.5	173.1	183.8	171.5	170.0	169.8	158.2	152.6	149.5	157.6
35,0°	193.1	193.6	190.0	175.8	174.8	173.7	170.1	169.9	166.4	169.0
37,5°	217.8	215.0	210.7	186.8	181.3	173.5	169.2	187.5	191.8	190.6
40,0°	226.6	224.5	225.4	205.2	203.8	188.9	179.2	193.5	200.9	205.9
42,5°	256.3	232.2	238.1	214.3	210.2	197.4	199.3	209.7	210.6	219.6
45,0°	271.2	252.4	257.5	229.3	218.5	198.0	209.7	227.9	227.3	229.4
47,5°	278.0	270.5	281.5	256.8	233.3	211.8	219.3	237.8	248.7	244.7
50,0°	284.7	280.4	308.9	280.7	254.6	228.5	253.4	262.7	255.9	250.9
52,5°	292.9	288.8	320.4	292.2	276.9	259.4	281.1	285.2	260.2	248.0
55,0°	305.7	291.7	317.8	304.1	304.8	296.2	299.2	300.8	276.8	253.1
57,5°	322.9	301.1	324.9	321.0	348.1	339.7	328.7	306.9	287.0	259.0
60,0°	298.8	292.5	328.9	334.1	379.7	368.3	340.7	319.5	295.6	255.3
62,5°	249.2	250.6	301.6	332.5	379.2	384.5	344.2	330.2	303.7	254.0
65,0°	216.7	214.5	260.1	288.8	358.1	395.8	362.6	336.8	295.9	247.9
67,5°	193.8	204.1	247.9	260.9	330.7	405.9	370.3	315.3	283.4	235.2
70,0°	207.1	223.1	254.6	265.3	313.4	377.3	350.2	291.4	262.8	212.9
72,5°	232.4	238.6	245.3	257.8	296.2	336.2	316.5	265.2	220.1	184.8
75,0°	197.5	199.9	216.0	231.6	270.6	292.8	274.6	215.3	164.4	136.8
77,5°	146.6	140.2	154.5	175.2	188.9	195.4	185.1	140.9	109.6	95.3
80,0°	89.3	79.5	95.6	110.5	113.1	106.3	104.5	90.2	75.7	59.9
82,5°	53.9	46.3	52.8	64.1	56.8	48.4	56.0	60.7	53.4	37.4
85,0°	24.6	25.3	29.1	34.5	31.8	26.5	33.2	37.1	28.2	17.7
87,5°	14.2	15.0	15.9	17.0	16.5	16.5	18.6	16.7	14.8	11.6
90,0°	9.0	9.1	9.2	9.1	9.0	8.8	8.7	8.4	8.2	8.1
92,5°	8.4	8.6	8.6	8.5	8.3	8.2	8.0	7.9	7.7	7.5
95,0°	7.9	8.1	8.2	8.0	7.9	7.8	7.6	7.5	7.3	7.2
97,5°	7.3	7.6	7.7	7.6	7.5	7.4	7.2	7.1	6.9	6.9
100,0°	7.0	7.3	7.3	7.3	7.0	7.0	6.9	6.7	6.7	6.5
102,5°	6.6	6.9	7.0	6.9	6.7	6.7	6.5	6.4	6.4	6.2
105,0°	6.3	6.4	6.4	6.4	6.4	6.3	6.1	6.1	6.1	5.9
107,5°	6.0	6.1	6.1	6.1	6.0	6.0	5.8	5.8	5.8	5.6
110,0°	5.7	5.8	5.8	5.8	5.7	5.7	5.7	5.5	5.5	5.4

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Family LITEPOLE 2	Order number: 5XA5425OF14H EAN: 4058352836774	LP number 58891_28
Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
0,0°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	0.0	0.0
2,5°	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.6	0.1	0.1
5,0°	10.8	11.1	11.3	11.5	11.8	12.2	12.4	12.4	12.4	0.2	0.3
7,5°	22.2	23.4	25.1	26.8	28.9	30.4	31.8	32.5	31.9	0.8	1.2
10,0°	32.2	35.0	37.5	37.3	41.7	43.0	46.7	45.0	45.2	1.7	2.9
12,5°	54.7	55.3	54.3	56.2	57.2	59.7	63.2	64.8	65.0	3.3	6.2
15,0°	73.2	71.1	73.9	74.5	80.2	81.2	84.4	86.6	87.0	5.7	11.9
17,5°	90.4	89.8	91.9	92.9	97.0	100.4	103.5	108.1	109.8	8.2	20.0
20,0°	97.8	97.1	103.4	105.4	110.2	114.7	119.1	119.1	118.8	10.4	30.5
22,5°	100.5	104.2	110.6	112.2	114.6	120.2	127.4	131.7	136.0	12.6	43.0
25,0°	104.2	108.1	116.5	120.3	126.9	131.6	135.2	136.7	138.5	14.8	57.8
27,5°	114.6	120.6	128.6	134.8	139.0	140.5	142.1	142.5	143.8	17.2	75.0
30,0°	136.5	131.9	137.1	145.8	149.8	148.3	148.9	147.6	148.7	20.3	95.3
32,5°	157.5	151.3	152.3	160.6	161.1	157.8	155.9	154.1	155.0	23.8	119.1
35,0°	175.5	176.3	172.3	172.8	173.3	165.9	162.7	164.4	167.0	27.3	146.4
37,5°	191.4	197.3	191.9	183.7	182.9	175.3	172.5	175.6	178.1	31.3	177.7
40,0°	199.3	204.8	205.7	195.7	192.1	184.7	183.9	188.0	191.1	35.1	212.9
42,5°	216.2	214.5	215.0	208.2	198.1	190.1	190.9	196.0	200.1	39.0	251.8
45,0°	229.7	225.9	225.5	218.4	201.1	193.3	196.6	201.2	203.1	42.9	294.7
47,5°	238.9	237.0	231.6	220.3	201.2	195.0	198.1	203.8	204.9	46.8	341.5
50,0°	244.6	239.4	229.3	215.1	196.9	191.8	196.0	202.6	203.8	50.6	392.1
52,5°	245.7	241.4	224.4	203.6	187.5	185.0	190.1	197.2	199.0	53.6	445.7
55,0°	246.3	241.9	219.2	191.0	174.0	173.7	179.7	188.9	191.7	56.2	501.9
57,5°	244.0	235.4	209.4	173.1	154.7	155.7	164.2	174.5	177.9	58.8	560.7
60,0°	230.9	218.6	193.3	159.7	136.2	132.1	143.0	154.1	157.0	59.5	620.2
62,5°	221.8	203.8	174.9	143.2	116.8	108.5	115.9	125.1	129.8	57.8	678.0
65,0°	210.3	190.7	158.5	121.7	93.9	85.3	88.2	92.5	95.3	54.6	732.6
67,5°	194.4	171.6	135.5	97.9	69.4	60.1	61.0	61.9	61.7	51.1	783.8
70,0°	176.0	154.0	114.0	81.2	54.1	41.3	38.3	38.6	38.3	48.2	832.0
72,5°	155.0	131.0	97.3	66.0	43.6	27.3	23.3	22.5	23.7	44.4	876.4
75,0°	124.8	108.4	80.3	53.2	33.7	20.9	16.7	15.6	15.9	37.7	914.1
77,5°	102.3	98.5	66.6	36.9	21.3	15.4	13.3	12.1	12.1	27.2	941.3
80,0°	55.1	55.1	38.2	22.3	13.3	11.6	10.9	10.4	10.3	16.5	957.8
82,5°	23.5	18.6	15.5	13.9	11.1	9.7	9.1	9.1	8.8	9.3	967.2
85,0°	12.9	11.4	10.6	10.1	9.5	8.6	8.2	8.2	7.9	5.4	972.6
87,5°	9.7	9.1	8.5	9.1	8.2	7.8	7.4	7.4	7.3	3.4	976.0
90,0°	7.8	7.5	7.4	7.2	7.0	6.8	6.7	6.7	6.7	2.2	978.1
92,5°	7.3	7.2	7.0	6.8	6.7	6.5	6.4	6.4	6.4	2.1	980.2
95,0°	7.0	6.9	6.6	6.6	6.4	6.3	6.1	6.1	6.1	2.0	982.1
97,5°	6.7	6.6	6.4	6.3	6.1	6.0	5.9	5.8	5.8	1.8	984.0
100,0°	6.4	6.3	6.2	6.0	5.9	5.8	5.8	5.7	5.7	1.8	985.8
102,5°	6.1	6.1	5.9	5.8	5.6	5.6	5.5	5.5	5.5	1.7	987.4
105,0°	5.8	5.8	5.6	5.5	5.5	5.4	5.3	5.2	5.2	1.6	989.0
107,5°	5.6	5.5	5.4	5.3	5.2	5.2	5.1	5.1	5.1	1.5	990.5
110,0°	5.4	5.3	5.2	5.2	5.1	5.1	4.9	4.9	4.9	1.4	991.9

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Table of values for luminous intensities		Maximum luminous intensity

siteco

C- planes	0° 180°	5° 175° 185° 355°	10° 170° 190° 350°	15° 165° 195° 345°	20° 160° 200° 340°	25° 155° 205° 335°	30° 150° 210° 330°	35° 145° 215° 325°	40° 140° 220° 320°	45° 135° 225° 315°
γ	Luminous intensity in cd/klm									
112,5°	5.2	5.5	5.6	5.6	5.4	5.4	5.4	5.4	5.2	5.2
115,0°	5.2	5.2	5.3	5.3	5.1	5.1	5.1	5.1	5.0	4.9
117,5°	4.8	4.9	4.9	4.9	4.8	4.8	4.8	4.8	4.7	4.6
120,0°	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5
122,5°	4.0	4.2	4.2	4.2	4.1	4.0	4.2	4.0	4.0	4.0
125,0°	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3
127,5°	2.4	2.4	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
130,0°	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.6	1.6
132,5°	1.3	1.5	1.4	1.5	1.5	1.3	1.3	1.4	1.4	1.3
135,0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2
137,5°	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140,0°	0.9	0.9	0.9	0.9	0.9	0.8	0.9	0.8	0.9	0.8
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147,5°	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
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157,5°	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
162,5°	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
167,5°	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
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177,5°	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

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C- planes	50° 130° 230° 310°	55° 125° 235° 305°	60° 120° 240° 300°	65° 115° 245° 295°	70° 110° 250° 290°	75° 105° 255° 285°	80° 100° 260° 280°	85° 95° 265° 275°	90° 270°	Phi-zone	Total Phi-zone
γ	Luminous intensity in cd/klm									Luminous flux in lm/klm	
112,5°	5.1	5.1	5.0	5.0	4.9	4.9	4.9	4.8	4.8	1.3	993.2
115,0°	4.9	4.9	4.8	4.8	4.8	4.6	4.6	4.6	4.6	1.2	994.4
117,5°	4.6	4.6	4.5	4.6	4.5	4.5	4.5	4.4	4.3	1.1	995.5
120,0°	4.4	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	1.0	996.6
122,5°	4.0	4.0	4.0	3.9	3.9	3.9	3.9	3.9	3.9	0.9	997.5
125,0°	3.2	3.2	3.2	3.2	3.1	3.2	3.2	3.1	3.1	0.7	998.2
127,5°	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.2	2.1	0.5	998.7
130,0°	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.5	1.5	0.3	999.1
132,5°	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.2	0.3	999.3
135,0°	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.2	999.6
137,5°	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.2	999.8
140,0°	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.1	999.9
142,5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.1	1000.0
145,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
147,5°	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	1000.0
152,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
155,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
157,5°	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	1000.0
162,5°	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	1000.0
167,5°	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	1000.0
172,5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
175,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1000.0
177,5°	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	1000.0

Photometric test report

Family LITEPOLE 2	Order number: 5XA5425OF14H EAN: 4058352836774	LP number 58891_28
Dimming levels table		environmental temperature: 25°C
		siteco

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	3000	21.8	23.2	22.5
95	241	252	2846	20.6	21.9	21.2
90	229	250	2705	19.4	20.7	20.0
85	216	248	2551	18.3	19.4	18.8
80	203	246	2398	17.1	18.2	17.6
75	190	243	2244	15.9	16.9	16.4
70	178	241	2102	14.9	15.8	15.4
65	165	238	1949	13.8	14.7	14.2
60	152	235	1795	12.7	13.5	13.1
55	140	232	1654	11.7	12.4	12.0
50	127	229	1500	10.7	11.3	11.0
45	114	225	1346	9.6	10.1	9.8
40	102	221	1205	8.7	9.2	9.0
35	89	216	1051	7.7	8.1	7.9
30	76	210	898	6.8	7.1	7.0
25	63	203	744	5.8	6.1	5.9
20	51	195	602	5.0	5.2	5.1
15	39	185	461	4.0	4.3	4.2