

Lichttechnischer Prüfbefund

Familie
LITEPOLE 1

Bestell-Nr.: 5XA5415CF14H
EAN: 4058352836231

LP-Nummer
57850_27



Ausführung	Mastaufsatz- oder Montage am Wandausleger
Optik	direkt, symmetrisch breit strahlend C120008
Abdeckung	Abdeckung klar, PMMA
Bestückung	LED 2200 K CRI ≥ 70
Betriebsgerät	EVG SITECO iQ
Bemessungswerte	Nettolichtstrom = 2970 lm Systemleistung = 23.9 W Lichtausbeute = 124.3 lm/W

Seriendokumentation
24.02.2023

siteco

Lichtstärke in cd/klm

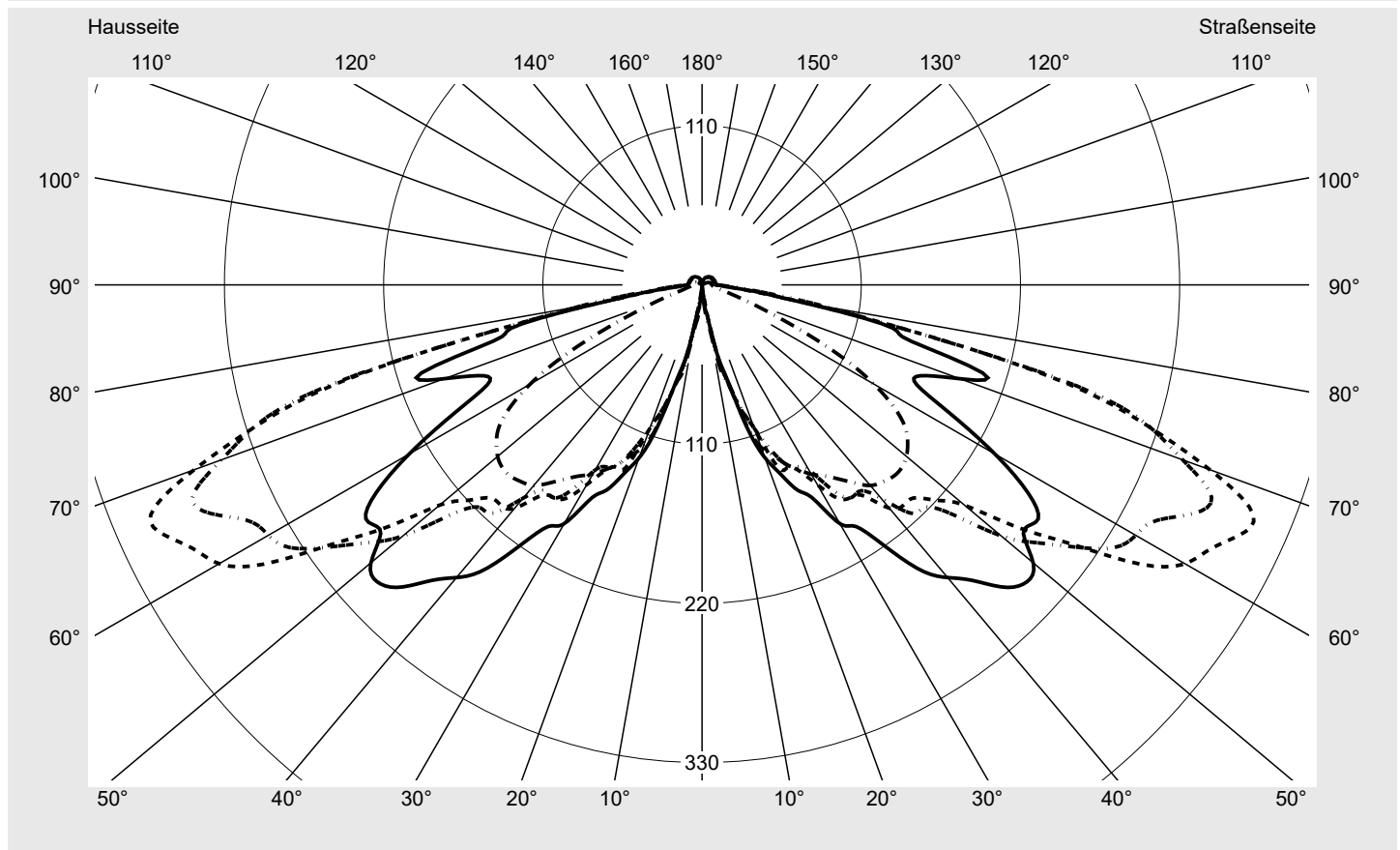
C180-0

C205-25

C210-30

C270-90

Imax: 412 cd/klm



Leuchtenbetriebswirkungsgrade

Eta	100.0%
Eta 0° - 90°	95.7%
Eta 90° - 180°	4.3%

Lichtstärkeklasse nach EN13201-2

Klasse:	G3
Imax 70°	373.5
Imax 80°	89.1
Imax 90°	10.5
Imax >90°	9.8
Imax >95°	9.4

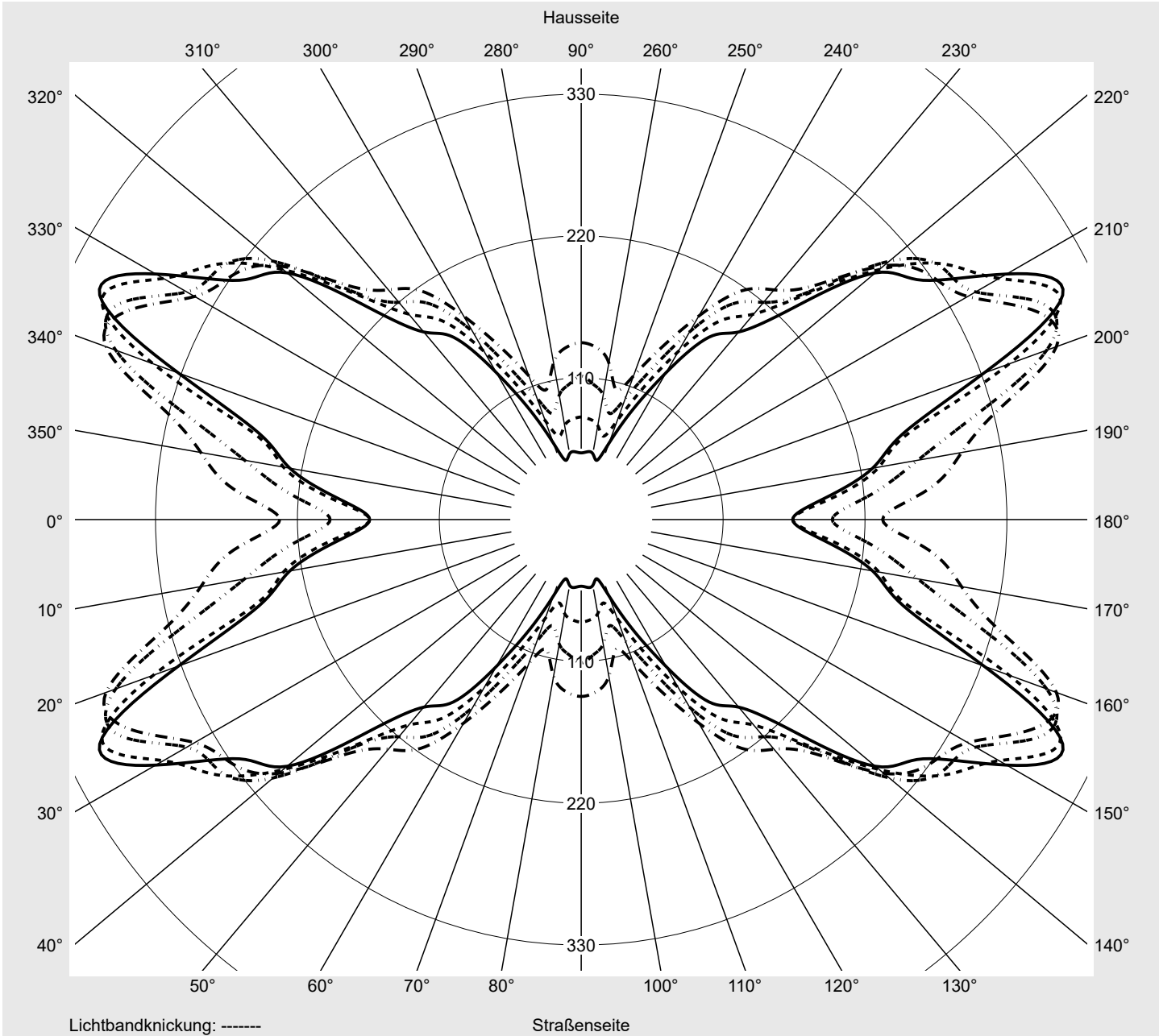
Messbedingungen

DIN EN 13032 und DIN 5032

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Familie LITEPOLE 1	Bestell-Nr.: 5XA5415CF14H EAN: 4058352836231	LP-Nummer 57850_27
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Kegelmantelkurven in cd/klm **KMK 67,5°** **KMK 65°** **KMK 62,5°** **KMK 60°** **siteco**



Lichttechnischer Prüfbefund

Familie LITEPOLE 1	Bestell-Nr.: 5XA5415CF14H EAN: 4058352836231	LP-Nummer 57850_27
Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°	
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°	
γ		Lichtstärke in cd/klm									
0,0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
2,5°	1.6	1.6	1.6	1.6	1.6	1.7	1.8	2.0	2.0	2.1	
5,0°	3.7	3.8	3.8	3.8	4.1	4.3	4.6	4.6	4.9	5.4	
7,5°	16.8	15.1	13.9	11.7	9.6	8.2	7.6	7.4	8.1	9.4	
10,0°	23.9	24.6	25.0	26.2	25.1	22.6	19.7	20.0	23.0	26.6	
12,5°	50.9	46.4	46.8	46.8	45.2	51.7	51.5	51.2	46.5	43.4	
15,0°	68.7	57.0	68.0	68.3	70.4	71.1	70.4	68.1	67.6	67.4	
17,5°	103.4	89.4	90.2	84.7	88.1	91.2	89.2	85.9	84.8	81.8	
20,0°	127.2	117.4	119.9	117.7	113.5	105.4	105.6	95.7	95.2	96.9	
22,5°	141.3	136.0	150.3	147.3	146.5	135.8	122.7	113.2	102.2	96.5	
25,0°	156.6	147.9	140.6	138.4	146.5	139.2	136.6	129.2	113.2	106.9	
27,5°	166.6	162.5	158.9	150.9	151.3	144.5	141.9	138.6	133.6	123.1	
30,0°	190.5	184.5	179.4	169.2	172.1	159.4	147.6	141.4	137.7	141.0	
32,5°	197.9	193.0	189.2	185.3	185.1	174.9	168.4	155.2	154.8	162.3	
35,0°	220.4	217.7	205.2	189.8	187.3	179.2	179.5	179.0	182.2	179.3	
37,5°	248.6	242.9	228.2	209.5	205.1	183.8	179.4	194.0	205.2	200.4	
40,0°	263.9	250.5	234.3	220.2	225.7	201.5	192.3	200.7	217.6	221.1	
42,5°	277.0	267.0	248.5	232.8	229.2	206.2	214.1	223.1	224.0	232.8	
45,0°	295.4	289.6	274.7	249.2	237.9	208.0	217.4	239.7	248.7	241.1	
47,5°	304.0	302.2	305.5	281.0	254.1	220.4	234.6	252.3	261.5	253.8	
50,0°	298.7	307.9	335.2	300.9	274.5	236.7	269.9	276.2	266.7	258.0	
52,5°	279.9	302.2	335.4	316.4	297.8	275.5	292.8	299.1	275.0	256.2	
55,0°	283.2	302.1	319.1	330.8	330.3	312.6	316.0	310.5	288.1	258.2	
57,5°	266.8	303.4	320.4	340.8	367.5	359.1	337.7	318.1	295.3	260.4	
60,0°	233.7	270.4	299.4	337.1	392.0	385.3	346.0	330.2	306.2	257.1	
62,5°	194.6	226.1	265.0	318.5	384.0	395.6	353.1	341.2	311.8	249.9	
65,0°	164.0	196.1	234.4	265.0	353.1	409.4	374.0	345.1	301.7	247.4	
67,5°	164.0	189.4	229.4	258.6	332.2	411.8	380.9	323.5	297.7	231.9	
70,0°	189.5	207.3	242.0	265.8	314.2	373.5	353.4	301.5	260.7	208.3	
72,5°	204.2	210.6	228.2	252.8	298.5	321.8	323.2	267.8	206.7	169.0	
75,0°	148.2	177.3	192.0	214.9	251.7	257.6	264.8	195.8	143.4	122.3	
77,5°	132.1	130.1	130.1	148.4	153.1	151.3	149.4	113.1	93.2	84.3	
80,0°	72.0	68.2	71.8	89.1	73.6	74.9	87.1	77.3	64.4	47.0	
82,5°	40.5	38.6	39.9	53.4	37.6	36.6	48.0	55.0	42.9	30.8	
85,0°	19.2	19.3	20.1	23.3	19.7	21.5	27.4	30.1	19.7	15.9	
87,5°	13.7	13.8	14.1	14.8	14.4	15.3	16.4	14.8	13.6	11.4	
90,0°	10.4	10.5	10.2	10.1	9.9	10.0	9.6	9.1	8.8	8.6	
92,5°	9.8	9.7	9.6	9.4	9.3	9.2	9.0	8.9	8.6	8.5	
95,0°	9.4	9.5	9.3	9.1	9.1	9.0	8.8	8.6	8.4	8.2	
97,5°	9.4	9.4	9.2	9.0	8.9	8.8	8.6	8.6	8.4	8.2	
100,0°	9.4	9.3	9.2	9.0	8.9	8.8	8.6	8.5	8.3	8.2	
102,5°	9.4	9.2	9.0	8.9	8.8	8.6	8.6	8.4	8.2	8.2	
105,0°	9.2	9.1	9.0	8.9	8.7	8.6	8.5	8.3	8.2	8.1	
107,5°	9.2	9.1	8.9	8.7	8.6	8.6	8.4	8.2	8.1	8.0	
110,0°	9.2	9.0	8.8	8.6	8.5	8.4	8.3	8.2	8.1	7.9	

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Wertetabelle Lichtstärkemessung	Maximale Lichtstärke	siteco
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C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90°	Phi-Zone	Summe Phi-Zone
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°			
γ	Lichtstärke in cd/klm									Lichtstrom in lm/klm	
0,0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
2,5°	2.2	2.4	2.4	2.4	2.4	2.4	2.2	2.2	2.2	0.0	0.0
5,0°	5.9	6.4	7.0	7.3	7.6	7.9	7.9	8.0	8.0	0.1	0.2
7,5°	11.1	14.3	16.0	17.1	18.7	20.0	21.3	22.5	23.3	0.5	0.7
10,0°	28.9	30.3	31.6	31.0	30.2	30.0	29.7	30.8	32.5	1.3	1.9
12,5°	39.6	39.8	40.3	42.8	46.8	49.4	52.6	56.1	61.1	2.8	4.8
15,0°	71.5	66.2	62.2	60.8	62.0	67.4	71.6	70.9	71.4	4.8	9.5
17,5°	80.6	76.6	76.9	77.3	79.6	87.1	95.1	99.3	101.0	7.1	16.7
20,0°	97.3	95.2	94.8	91.6	90.6	95.2	109.4	116.2	119.6	9.8	26.5
22,5°	99.5	104.4	108.7	104.5	107.4	107.7	120.2	125.9	127.0	12.6	39.1
25,0°	107.3	113.5	118.9	119.0	119.3	119.3	126.0	133.0	136.6	14.8	53.9
27,5°	116.3	118.7	129.9	133.8	133.4	132.9	133.8	141.1	143.7	17.6	71.5
30,0°	138.7	138.7	144.1	148.1	143.9	139.8	141.2	150.0	151.1	20.9	92.4
32,5°	164.6	159.2	155.0	158.5	154.9	147.1	151.4	155.7	156.4	24.5	116.9
35,0°	183.9	186.0	175.6	173.1	166.3	153.6	156.6	162.2	163.6	28.4	145.2
37,5°	197.9	208.0	199.9	187.1	175.3	159.0	166.6	170.8	172.3	32.7	177.9
40,0°	210.6	215.3	213.2	196.7	180.5	165.0	173.3	179.7	180.9	36.4	214.3
42,5°	228.6	221.5	220.8	206.1	182.0	165.7	178.0	183.2	184.6	40.1	254.4
45,0°	239.8	231.5	223.5	212.2	181.2	167.6	179.1	186.0	187.1	43.8	298.2
47,5°	246.6	239.6	225.6	210.3	180.1	165.8	180.9	186.0	187.1	47.7	345.9
50,0°	251.4	241.0	222.6	204.2	173.4	161.7	176.6	183.6	184.4	51.1	397.0
52,5°	252.2	243.5	219.6	193.1	165.2	152.8	171.5	177.8	179.1	53.8	450.8
55,0°	250.7	241.7	212.5	180.1	151.8	141.4	160.0	168.9	171.3	56.2	507.0
57,5°	245.9	234.6	201.8	163.7	135.9	125.1	145.5	153.7	157.2	58.1	565.1
60,0°	232.6	216.5	182.3	147.1	118.6	104.4	123.4	134.0	137.2	57.6	622.7
62,5°	219.9	204.1	168.2	128.3	100.2	85.2	98.0	105.5	111.2	55.5	678.2
65,0°	208.0	188.3	150.5	111.3	81.7	67.0	74.0	78.1	79.5	52.5	730.7
67,5°	189.9	172.7	131.6	93.3	63.1	47.6	51.8	52.7	51.7	50.2	780.9
70,0°	172.3	152.3	112.4	79.0	50.4	30.4	32.4	32.7	33.5	47.2	828.1
72,5°	141.8	125.5	95.2	61.0	41.5	23.0	21.1	20.3	21.3	42.4	870.5
75,0°	117.2	109.1	80.4	45.6	26.3	18.8	15.8	14.5	14.7	34.3	904.8
77,5°	87.0	87.7	64.9	31.9	17.0	13.4	12.7	11.4	11.7	23.1	927.9
80,0°	40.3	41.8	30.0	15.4	12.5	10.5	10.4	9.7	9.8	13.0	940.8
82,5°	21.0	16.2	13.5	11.4	10.3	9.3	8.6	8.4	8.2	7.6	948.5
85,0°	11.3	10.6	10.0	9.5	8.8	8.2	8.0	7.7	7.4	4.3	952.8
87,5°	9.6	9.1	8.7	8.3	7.8	7.6	7.5	7.2	7.2	3.1	955.9
90,0°	8.3	8.1	7.8	7.7	7.4	7.2	7.1	6.7	6.7	2.4	958.3
92,5°	8.2	7.9	7.7	7.5	7.4	7.1	7.0	6.6	6.5	2.3	960.5
95,0°	8.1	7.8	7.7	7.4	7.2	7.1	6.7	6.5	6.7	2.2	962.8
97,5°	8.0	7.7	7.5	7.4	7.3	7.1	6.8	6.6	6.3	2.2	965.0
100,0°	8.0	7.8	7.5	7.4	7.3	7.1	6.7	6.5	6.5	2.2	967.1
102,5°	8.0	7.6	7.5	7.4	7.2	7.0	6.7	6.5	6.3	2.1	969.3
105,0°	7.8	7.6	7.4	7.4	7.1	7.0	6.7	6.3	5.5	2.1	971.3
107,5°	7.8	7.5	7.4	7.3	7.1	7.0	6.7	6.2	5.1	2.0	973.4
110,0°	7.7	7.5	7.4	7.3	7.0	6.8	6.6	6.0	4.7	2.0	975.4

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Wertetabelle Lichtstärkemessung		Maximale Lichtstärke
		siteco

C- Ebenen	0° 180°	5°	10°	15°	20°	25°	30°	35°	40°	45°
		175° 185° 355°	170° 190° 350°	165° 195° 345°	160° 200° 340°	155° 205° 335°	150° 210° 330°	145° 215° 325°	140° 220° 320°	135° 225° 315°
		Lichtstärke in cd/klm								
γ										
112,5°	9.0	8.7	8.6	8.5	8.5	8.4	8.1	8.1	8.0	7.8
115,0°	8.8	8.7	8.6	8.5	8.5	8.2	8.1	8.0	8.0	7.8
117,5°	8.8	8.7	8.6	8.5	8.3	8.2	8.1	7.9	7.9	7.7
120,0°	8.8	8.7	8.6	8.3	8.3	8.1	8.0	7.9	7.8	7.7
122,5°	8.6	8.6	8.4	8.2	8.2	8.1	7.9	7.8	7.8	7.7
125,0°	8.6	8.3	8.2	8.2	8.1	8.0	7.8	7.7	7.7	7.7
127,5°	8.2	8.3	8.2	8.0	8.0	7.8	7.7	7.6	7.6	7.4
130,0°	8.2	8.0	8.0	7.8	7.7	7.7	7.5	7.4	7.4	7.3
132,5°	8.0	7.9	7.8	7.8	7.7	7.6	7.4	7.3	7.3	7.3
135,0°	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0
137,5°	7.6	7.5	7.5	7.4	7.3	7.2	7.1	7.0	7.0	6.8
140,0°	7.4	7.1	7.1	7.0	6.8	7.0	6.7	6.7	6.6	6.5
142,5°	7.0	7.0	6.8	6.7	6.7	6.6	6.5	6.5	6.5	6.4
145,0°	6.5	6.5	6.5	6.4	6.4	6.5	6.3	6.3	6.2	6.1
147,5°	6.3	6.2	6.3	6.2	6.1	6.1	6.0	6.0	6.0	5.9
150,0°	6.1	6.1	6.0	5.9	5.8	5.8	5.8	5.8	5.7	5.7
165,0°	3.3	3.3	3.3	3.4	3.3	3.3	3.3	3.3	3.3	3.3
180,0°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C- Ebenen	50°	55°	60°	65°	70°	75°	80°	85°	90° 270°	Phi-Zone	Summe Phi-Zone	
	130° 230° 310°	125° 235° 305°	120° 240° 300°	115° 245° 295°	110° 250° 290°	105° 255° 285°	100° 260° 280°	95° 265° 275°				
		Lichtstärke in cd/klm									Lichtstrom in lm/klm	
γ												
112,5°	7.7	7.5	7.4	7.1	7.0	6.6	6.5	5.8	4.3	1.9	977.3	
115,0°	7.7	7.4	7.4	7.1	7.0	6.6	6.5	5.2	3.1	1.9	979.2	
117,5°	7.6	7.4	7.2	7.0	6.8	6.6	6.5	4.7	2.2	1.8	981.0	
120,0°	7.5	7.4	7.3	7.0	6.7	6.6	6.5	4.3	2.2	1.7	982.7	
122,5°	7.4	7.3	7.1	7.0	6.7	6.5	6.4	3.9	2.2	1.7	984.4	
125,0°	7.4	7.1	7.0	6.8	6.5	6.5	6.2	3.7	2.2	1.6	986.0	
127,5°	7.3	7.1	7.0	6.6	6.5	6.4	5.9	3.6	2.2	1.5	987.5	
130,0°	7.1	7.0	6.7	6.6	6.5	6.2	5.5	3.4	2.2	1.4	988.9	
132,5°	7.0	7.0	6.6	6.5	6.5	6.1	5.2	3.4	2.2	1.4	990.3	
135,0°	6.8	6.6	6.5	6.4	6.1	6.1	4.8	3.2	2.2	1.3	991.6	
137,5°	6.6	6.5	6.4	6.2	6.1	5.7	4.5	3.1	2.2	1.2	992.7	
140,0°	6.5	6.2	6.1	6.0	5.7	5.4	4.2	3.0	2.2	1.1	993.8	
142,5°	6.2	6.1	5.9	5.7	5.7	5.0	4.0	3.0	2.2	1.0	994.8	
145,0°	6.1	5.9	5.7	5.7	5.6	4.7	3.7	2.9	2.2	0.9	995.7	
147,5°	5.7	5.7	5.6	5.5	5.2	4.3	3.7	2.9	2.0	0.8	996.5	
150,0°	5.7	5.4	5.4	5.3	4.8	4.0	3.6	2.8	2.2	2.3	998.7	
165,0°	3.3	2.9	2.9	2.6	2.5	2.1	2.0	1.9	1.8	1.2	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	

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Dimmstufen-Tabelle	Umgebungstemperatur: 25°C	siteco
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Lichtstrom [%]	Dimmstufe linear	Dimmstufe logarithmisch	Lichtstrom [lm]	Systemleistung [W] Lebensdauerbeginn	Systemleistung [W] Lebensdauerende	Systemleistung [W] Durchschnitt
100	254	254	2970	23.9	25.5	24.7
95	241	252	2818	22.5	24.0	23.2
90	229	250	2678	21.2	22.6	21.9
85	216	248	2526	19.9	21.2	20.5
80	203	246	2374	18.6	19.8	19.2
75	190	243	2222	17.4	18.5	18.0
70	178	241	2081	16.2	17.2	16.7
65	165	238	1929	14.9	15.9	15.4
60	152	235	1777	13.8	14.6	14.2
55	140	232	1637	12.7	13.4	13.0
50	127	229	1485	11.5	12.2	11.8
45	114	225	1333	10.3	11.0	10.6
40	102	221	1193	9.4	9.9	9.6
35	89	216	1041	8.2	8.7	8.4
30	76	210	889	7.2	7.6	7.4
25	63	203	737	6.2	6.5	6.4
20	51	195	596	5.3	5.5	5.4
15	38	184	444	4.2	4.4	4.3
15	37	183	433	4.1	4.3	4.2