

## Lichttechnischer Prüfbefund

**Familie**  
**SiCompact® 31 midi**

**Bestell-Nr.: 5XA7581E1K23**  
**EAN: 4058352624708**

**LP-Nummer**  
**59297\_16**



<b>Ausführung</b>	Tragbügel
<b>Optik</b>	asymmetrisch strahlend PL32
<b>Abdeckung</b>	Einscheibensicherheitsglas (ESG)
<b>Bestückung</b>	LED 3000 K   CRI ≥ 70
<b>Betriebsgerät</b>	EVG
<b>Bemessungswerte</b>	Nettolichtstrom = 37000 lm Systemleistung = 250.0 W Lichtausbeute = 148 lm/W

**Seriendokumentation**  
**09.11.2022**

**siteco**

**Lichtstärke in cd/klm**

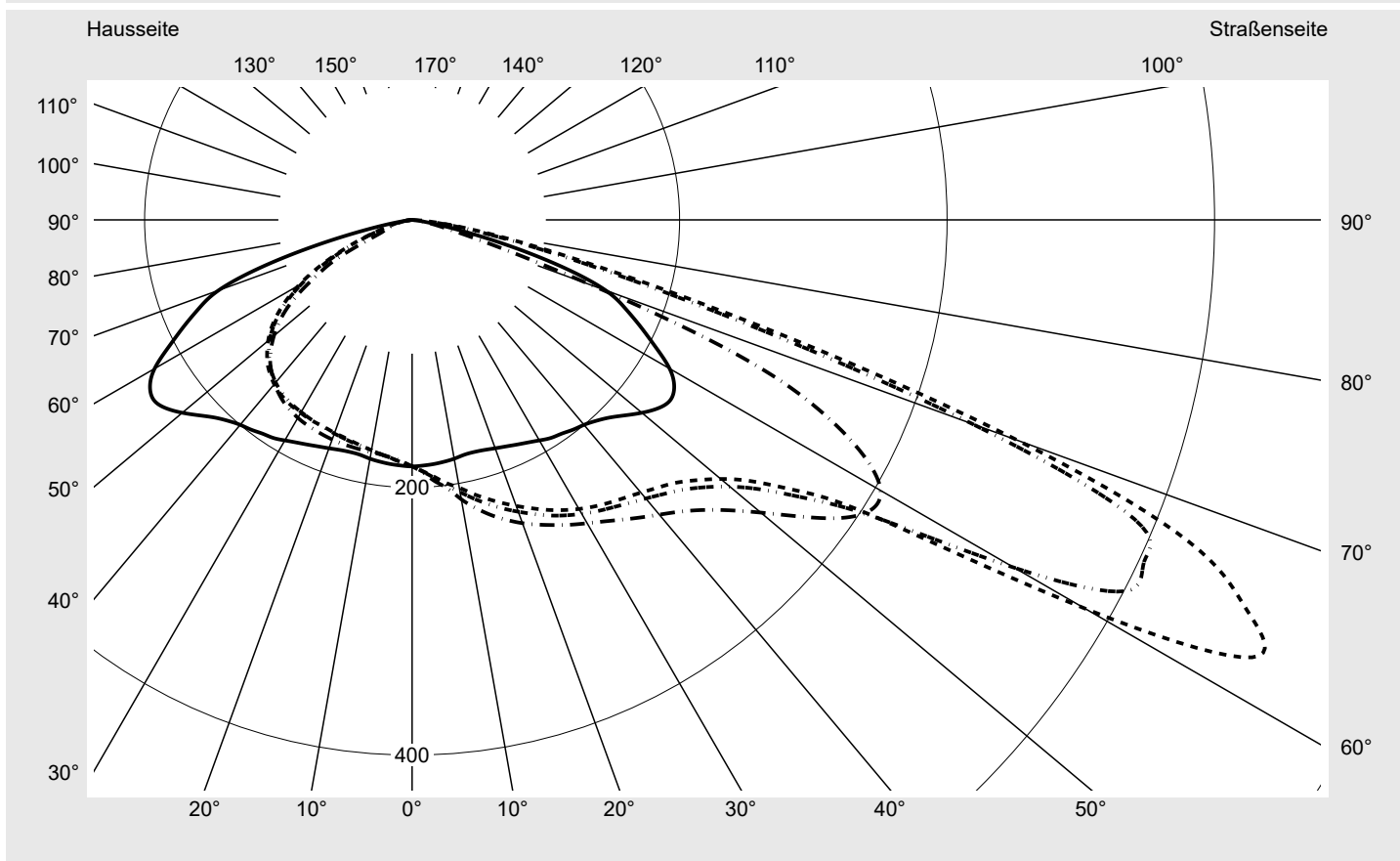
**C180-0**

**C230-50**

**C235-55**

**C270-90**

**Imax: 708 cd/klm**



**Leuchtenbetriebswirkungsgrade**

Eta	100.0%
Eta 0° - 90°	100.0%
Eta 90° - 180°	0.0%

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G4
Imax 70°	481.8
Imax 80°	56.4
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

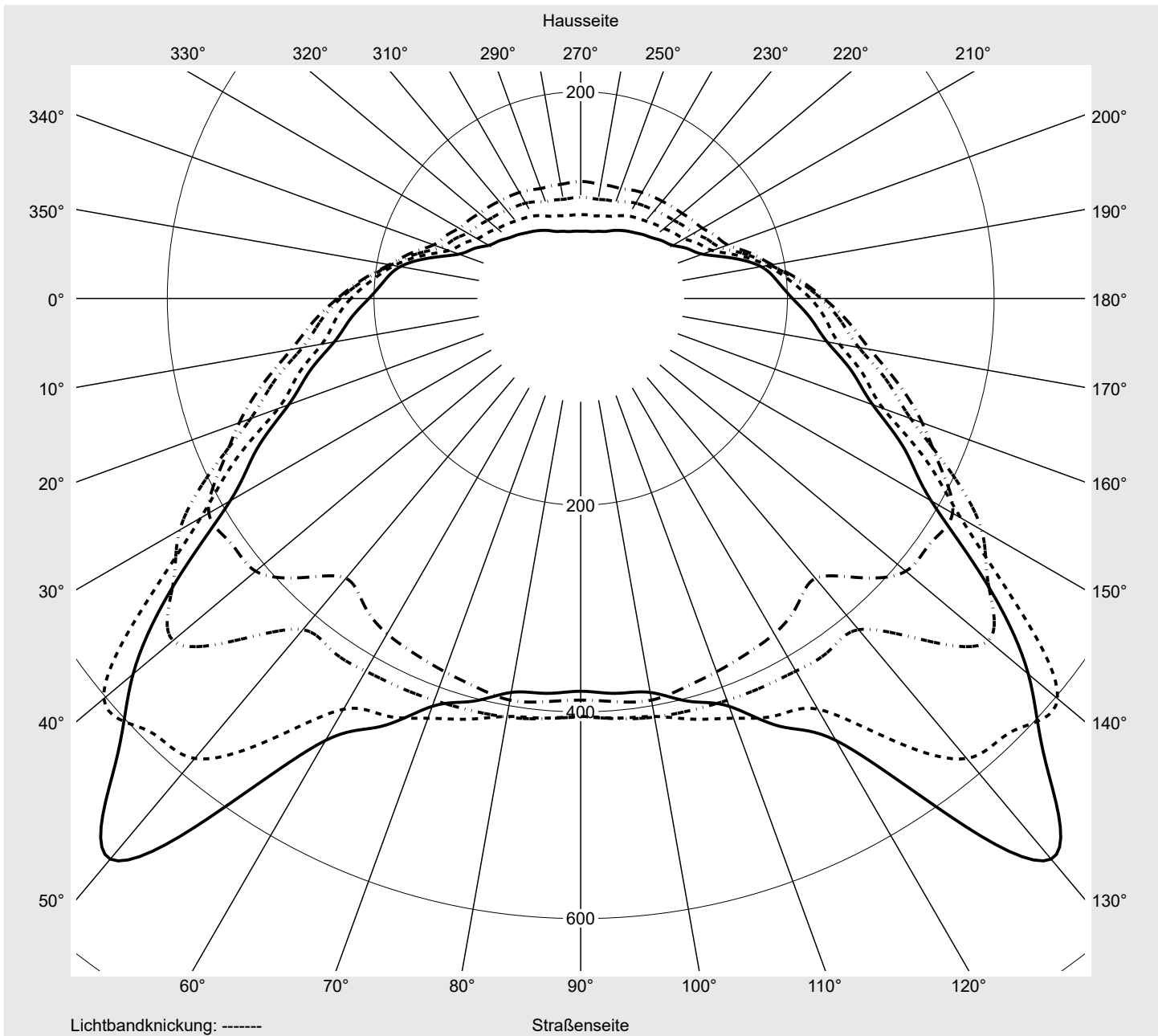
**Messbedingungen**

DIN EN 13032 und DIN 5032

### Lichttechnischer Prüfbefund

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**Kegelmantelkurven in cd/klm**    **KMK 62,5°**    **KMK 60°**    **KMK 57,5°**    **KMK 55°**    **siteco**



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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	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	Lichtstärke in cd/klm												
0,0°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2,5°	183.8	184.4	184.9	185.0	185.1	185.8	186.4	187.0	187.6	187.8	188.1	188.4	188.8
5,0°	183.2	184.2	185.2	185.8	186.5	187.7	188.8	190.1	191.3	192.1	192.9	193.8	194.6
7,5°	182.3	183.8	185.2	186.5	187.8	189.7	191.7	193.7	195.7	197.1	198.5	200.3	202.0
10,0°	181.3	183.1	185.0	187.1	189.1	191.9	194.7	197.7	200.8	202.0	203.3	206.6	209.9
12,5°	179.8	182.4	185.0	187.9	190.7	194.5	198.2	202.0	205.8	207.7	209.6	213.4	217.2
15,0°	179.6	182.6	185.6	189.2	192.9	196.7	200.6	205.8	211.0	213.4	215.7	219.9	224.1
17,5°	180.3	183.7	187.1	191.3	195.6	199.7	203.9	210.1	216.2	218.9	221.7	226.2	230.7
20,0°	181.7	185.3	189.0	193.9	198.8	203.6	208.3	214.9	221.5	224.5	227.5	232.1	236.7
22,5°	183.3	187.3	191.4	196.9	202.4	207.7	213.0	219.8	226.7	230.0	233.3	238.0	242.6
25,0°	185.3	189.7	194.2	200.3	206.4	212.2	218.1	225.1	232.2	235.7	239.1	243.8	248.4
27,5°	187.6	192.4	197.3	203.9	210.5	216.9	223.3	231.1	238.9	241.7	244.5	248.9	253.4
30,0°	190.3	195.7	201.1	208.2	215.3	222.2	229.0	236.7	244.5	247.0	249.5	253.7	257.9
32,5°	193.2	199.3	205.3	213.2	221.0	227.8	234.6	242.0	249.5	251.7	253.9	258.1	262.2
35,0°	195.0	202.3	209.6	218.5	227.4	233.7	240.0	247.1	254.1	256.0	257.9	262.2	266.5
37,5°	197.7	206.1	214.5	224.2	233.9	239.9	245.8	252.1	258.4	260.0	261.7	266.7	271.8
40,0°	200.0	210.2	220.4	230.8	241.1	246.6	252.0	257.5	263.0	264.6	266.1	271.8	277.5
42,5°	203.7	216.0	228.3	239.1	250.0	254.6	259.2	263.9	268.6	270.1	271.5	278.0	284.4
45,0°	208.9	223.7	238.6	250.4	262.2	265.3	268.4	272.1	275.9	277.0	278.0	285.4	292.7
47,5°	216.2	234.2	252.1	266.4	280.6	281.9	283.2	284.9	286.5	287.3	288.0	295.9	303.7
50,0°	224.3	245.9	267.6	287.2	306.9	308.5	310.1	306.5	302.9	302.1	301.3	310.2	319.1
52,5°	231.5	256.0	280.6	308.1	335.6	346.9	358.2	346.0	333.9	327.5	321.1	331.5	341.9
55,0°	235.4	259.9	284.3	318.0	351.6	383.5	415.5	413.0	410.6	382.0	353.5	364.0	374.6
57,5°	232.4	252.8	273.3	306.5	339.8	393.9	448.0	481.5	515.0	466.7	418.3	417.3	416.3
60,0°	222.3	238.3	254.3	282.9	311.5	368.1	424.6	513.4	602.3	591.6	581.0	519.9	458.9
62,5°	204.9	223.5	242.2	271.4	300.7	346.1	391.6	478.5	565.4	636.8	708.1	600.9	493.8
65,0°	188.2	210.6	232.9	259.8	286.7	332.4	378.2	471.8	565.5	626.8	688.1	604.0	519.8
67,5°	172.3	185.2	198.1	204.9	211.8	263.4	315.1	410.5	505.9	567.3	628.7	584.8	540.8
70,0°	154.0	147.6	141.2	141.3	141.5	177.8	214.0	291.3	368.6	425.2	481.8	445.7	409.6
72,5°	119.5	106.8	94.1	90.1	86.0	100.6	115.3	168.1	220.9	262.7	304.4	274.7	245.0
75,0°	76.3	64.6	52.9	49.2	45.5	50.2	55.0	87.7	120.4	148.3	176.2	158.8	141.3
77,5°	39.3	30.9	22.6	22.5	22.5	25.0	27.5	46.1	64.8	82.9	101.0	90.2	79.3
80,0°	16.8	12.3	7.8	8.3	8.8	11.1	13.4	21.9	30.4	43.4	56.4	49.3	42.2
82,5°	5.5	5.0	4.4	4.4	4.5	5.1	5.6	9.4	13.2	20.9	28.6	24.5	20.3
85,0°	2.1	2.1	2.1	2.2	2.2	2.3	2.4	3.3	4.2	7.5	10.9	8.9	6.8
87,5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.9	1.6	2.2	1.8	1.5
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

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>siteco</b>

C- Ebenen	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	Lichtstärke in cd/klm												
0,0°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2
2,5°	188.8	188.7	189.0	189.3	189.2	189.1	183.4	182.9	182.8	182.7	182.4	182.2	182.0
5,0°	194.9	195.2	195.8	196.4	196.3	196.1	182.4	181.7	181.2	180.7	180.2	179.8	179.6
7,5°	201.9	201.8	203.6	205.4	203.9	202.4	181.1	179.9	179.1	178.4	177.8	177.2	177.1
10,0°	209.9	209.9	212.2	214.5	213.3	212.1	179.5	177.7	176.9	176.0	175.5	175.0	174.9
12,5°	217.6	218.0	220.5	223.0	221.8	220.7	177.9	176.0	175.0	174.0	173.4	172.8	172.8
15,0°	224.7	225.4	228.0	230.6	229.5	228.4	177.3	175.1	173.9	172.8	172.1	171.4	171.2
17,5°	231.4	232.2	234.8	237.4	236.2	235.1	177.7	175.2	173.8	172.4	171.5	170.7	170.3
20,0°	237.5	238.3	240.9	243.5	242.3	241.2	178.7	175.8	174.3	172.8	171.7	170.6	170.1
22,5°	243.1	243.6	246.4	249.2	247.9	246.5	180.0	176.7	175.2	173.6	172.3	171.1	170.2
25,0°	248.5	248.6	251.6	254.6	253.1	251.7	181.7	178.2	176.4	174.7	173.1	171.6	170.5
27,5°	253.6	253.9	256.8	259.8	258.3	256.8	183.8	180.0	177.9	175.9	174.1	172.3	170.9
30,0°	258.4	259.0	261.9	264.8	263.3	261.8	186.0	181.7	179.3	176.8	174.8	172.7	171.0
32,5°	263.0	263.7	267.0	270.3	268.7	267.2	188.2	183.1	180.2	177.3	175.1	172.8	170.8
35,0°	267.8	269.0	272.7	276.5	275.0	273.5	189.4	183.8	180.7	177.5	174.9	172.3	170.1
37,5°	273.4	275.0	279.1	283.2	281.8	280.4	191.0	184.4	180.7	176.9	173.9	170.9	168.8
40,0°	279.7	281.9	286.2	290.5	289.1	287.6	192.5	185.1	180.5	175.9	172.3	168.8	166.5
42,5°	287.0	289.5	294.1	298.7	297.3	295.9	194.3	184.9	179.3	173.6	169.7	165.8	163.2
45,0°	295.7	298.7	304.1	309.4	308.1	306.7	196.8	184.6	177.8	171.0	166.5	162.0	159.3
47,5°	307.7	311.8	318.0	324.2	322.7	321.3	200.2	184.2	175.6	167.1	162.1	157.0	154.1
50,0°	324.3	329.5	336.7	343.8	342.1	340.4	204.5	184.8	173.8	162.8	156.9	151.0	147.9
52,5°	348.1	354.3	361.4	368.4	366.2	364.0	209.3	187.2	172.4	157.7	150.8	144.0	140.5
55,0°	379.5	384.4	389.5	394.6	391.6	388.6	211.7	188.1	169.8	151.5	143.7	136.0	132.0
57,5°	415.1	413.8	412.5	411.3	408.2	405.1	209.4	186.4	165.3	144.2	135.3	126.4	122.0
60,0°	445.6	432.2	421.4	410.7	407.6	404.5	202.8	183.2	159.4	135.7	125.6	115.6	110.4
62,5°	456.8	419.9	403.5	387.0	383.5	380.0	191.1	177.3	151.3	125.4	114.1	102.8	96.9
65,0°	459.0	398.2	373.6	349.1	342.3	335.5	176.7	165.2	139.4	113.6	100.6	87.6	81.4
67,5°	441.1	341.3	310.5	279.7	271.3	262.9	159.2	146.2	122.3	98.5	84.7	70.8	65.0
70,0°	316.3	223.1	193.9	164.6	154.4	144.2	138.1	122.2	101.2	80.2	67.0	53.8	48.4
72,5°	182.9	120.9	100.0	79.2	73.8	68.3	107.0	94.5	77.7	60.8	49.1	37.4	33.2
75,0°	103.0	64.8	52.2	39.7	36.6	33.6	70.6	64.9	52.3	39.8	31.4	22.9	19.8
77,5°	57.2	35.1	28.7	22.4	20.7	19.1	38.4	37.5	29.5	21.4	16.4	11.4	11.3
80,0°	30.8	19.3	16.2	13.0	11.9	10.8	17.4	17.9	13.5	9.1	8.2	7.2	7.3
82,5°	14.9	9.5	8.1	6.7	6.1	5.5	5.9	6.2	5.4	4.6	4.4	4.2	4.3
85,0°	5.1	3.4	2.9	2.4	2.3	2.1	2.4	2.6	2.3	2.1	2.1	2.1	2.2
87,5°	1.1	0.7	0.5	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.8
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

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<b>Wertetabelle Lichtstärkemessung</b>		<b>Maximale Lichtstärke</b>
		<b>sITeco</b>

C- Ebenen	220° 320°	225° 315°	230° 310°	235° 305°	240° 300°	245° 295°	250° 290°	255° 285°	260° 280°	265° 275°	270°	Phi-Zone	Summe Phi-Zone
γ	Lichtstärke in cd/klm											Lichtstrom in lm/klm	
0,0°	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	184.2	0.3	0.3
2,5°	181.8	181.6	181.4	181.4	181.4	181.1	180.8	180.6	180.4	180.5	180.6	2.2	2.5
5,0°	179.4	179.1	178.9	178.7	178.6	178.4	178.2	178.1	178.0	178.2	178.3	4.4	6.9
7,5°	177.0	176.8	176.7	176.8	176.9	176.6	176.3	176.4	176.5	176.7	176.9	6.7	13.6
10,0°	174.8	174.8	174.8	174.9	175.1	175.3	175.5	175.6	175.7	176.0	176.2	9.0	22.5
12,5°	172.8	173.0	173.1	173.4	173.6	174.3	175.1	175.2	175.3	175.6	175.9	11.3	33.8
15,0°	171.0	171.3	171.6	172.2	172.9	173.6	174.3	174.5	174.8	175.2	175.5	13.6	47.4
17,5°	169.9	170.1	170.3	171.0	171.8	172.5	173.3	173.8	174.3	174.8	175.3	16.0	63.4
20,0°	169.5	169.5	169.4	169.9	170.4	171.3	172.1	172.8	173.6	174.1	174.7	18.4	81.8
22,5°	169.3	168.8	168.4	168.8	169.2	170.0	170.8	171.7	172.5	173.2	173.9	20.8	102.6
25,0°	169.4	168.7	167.9	167.8	167.8	168.5	169.1	170.2	171.2	172.1	173.0	23.2	125.8
27,5°	169.4	168.4	167.4	166.9	166.4	167.0	167.6	168.8	169.9	171.0	172.1	25.7	151.5
30,0°	169.3	168.0	166.6	165.8	165.1	165.4	165.7	167.1	168.5	169.6	170.8	28.1	179.6
32,5°	168.8	167.3	165.8	164.8	163.9	163.8	163.7	165.2	166.6	167.8	169.0	30.6	210.2
35,0°	168.0	166.2	164.5	163.2	162.0	161.5	161.1	162.6	164.0	165.4	166.8	32.9	243.1
37,5°	166.6	164.8	162.9	161.3	159.7	158.9	158.0	159.4	160.9	162.3	163.7	35.3	278.4
40,0°	164.3	162.4	160.4	158.7	156.9	155.8	154.6	155.9	157.1	158.5	159.9	37.6	315.9
42,5°	160.6	158.8	156.9	155.1	153.2	151.9	150.6	151.6	152.7	154.0	155.4	39.9	355.8
45,0°	156.5	154.6	152.7	150.6	148.6	147.1	145.7	146.6	147.5	148.8	150.0	42.3	398.2
47,5°	151.1	149.1	147.0	145.2	143.5	141.7	139.9	140.3	140.8	141.9	143.1	45.0	443.2
50,0°	144.7	142.6	140.5	138.8	137.1	134.7	132.3	132.6	132.8	133.9	134.9	48.2	491.4
52,5°	137.0	134.8	132.6	130.6	128.7	126.1	123.6	123.5	123.4	124.3	125.1	52.0	543.4
55,0°	128.1	125.4	122.8	120.6	118.4	115.8	113.2	112.6	112.0	112.6	113.2	56.5	599.8
57,5°	117.6	114.4	111.2	108.8	106.5	103.1	99.8	98.6	97.4	97.6	97.8	60.5	660.3
60,0°	105.2	101.6	97.9	95.0	92.1	88.3	84.6	82.9	81.2	81.1	81.1	63.8	724.1
62,5°	91.0	86.9	82.8	79.4	76.0	72.5	68.9	67.3	65.7	65.4	65.0	63.8	787.9
65,0°	75.3	70.8	66.3	63.3	60.3	57.5	54.7	50.5	46.4	43.3	40.2	61.6	849.5
67,5°	59.1	54.8	50.5	48.5	46.4	42.6	38.7	32.5	26.3	25.7	25.2	54.5	904.1
70,0°	43.1	39.9	36.7	35.0	33.2	28.4	23.5	22.7	21.9	21.7	21.6	40.0	944.1
72,5°	28.9	27.0	25.1	24.2	23.4	21.2	19.0	18.4	17.9	17.6	17.4	25.2	969.3
75,0°	16.6	17.2	17.9	17.6	17.4	16.2	15.0	14.5	14.0	13.9	13.8	14.8	984.0
77,5°	11.2	12.0	12.8	13.1	13.4	12.2	11.0	10.8	10.6	10.4	10.3	8.3	992.3
80,0°	7.4	8.2	9.1	9.3	9.4	8.5	7.5	7.4	7.3	7.1	6.9	4.4	996.7
82,5°	4.4	4.8	5.1	5.3	5.4	5.0	4.6	4.6	4.5	4.4	4.2	2.2	998.9
85,0°	2.2	2.4	2.5	2.5	2.6	2.5	2.4	2.4	2.4	2.3	2.2	0.9	999.8
87,5°	0.9	1.0	1.1	1.1	1.2	1.1	1.1	1.0	1.0	0.9	0.9	0.2	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