

## Lichttechnischer Prüfbefund

**Familie**  
**SiCompact® 31 maxi**

**Bestell-Nr.: 5XA7592E1K22**  
**EAN: 4058352501344**

**LP-Nummer**  
**59359\_2**



<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-DALI
<b>Bemessungswerte</b>	Nettolichtstrom = 65000 lm Systemleistung = 490.0 W Lichtausbeute = 132.7 lm/W

**Seriendokumentation**  
**28.10.2022**

**siteco**

**Lichtstärke in cd/klm**

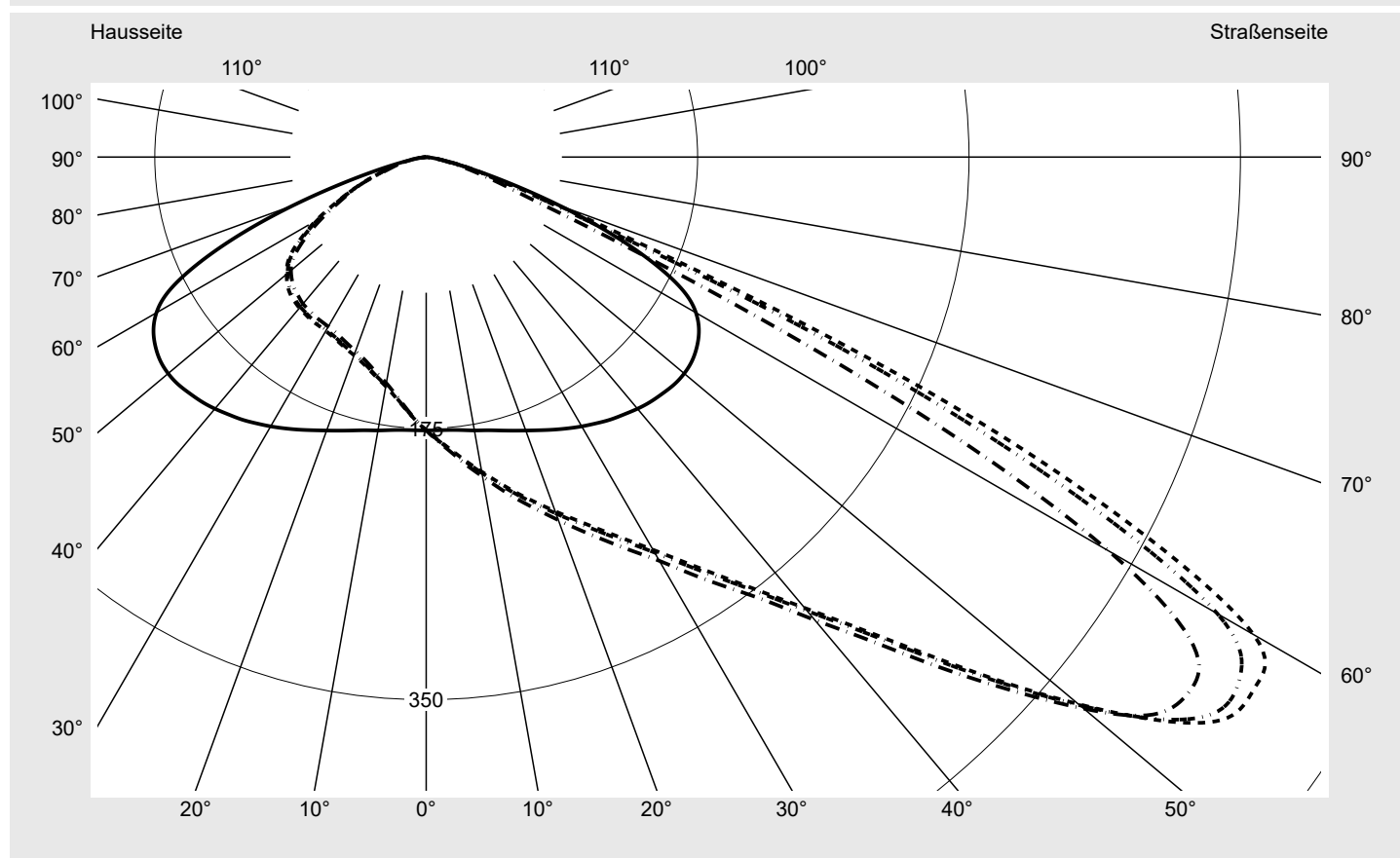
**C180-0**

**C250-70**

**C255-75**

**C270-90**

**Imax: 634 cd/klm**



**Leuchtenbetriebswirkungsgrade**

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

**Lichtstärkeklasse nach EN13201-2**

Klasse:	G5
Imax 70°	265.7
Imax 80°	10.7
Imax 90°	0.1
Imax >90°	0.0
Imax >95°	0.0

**Messbedingungen**

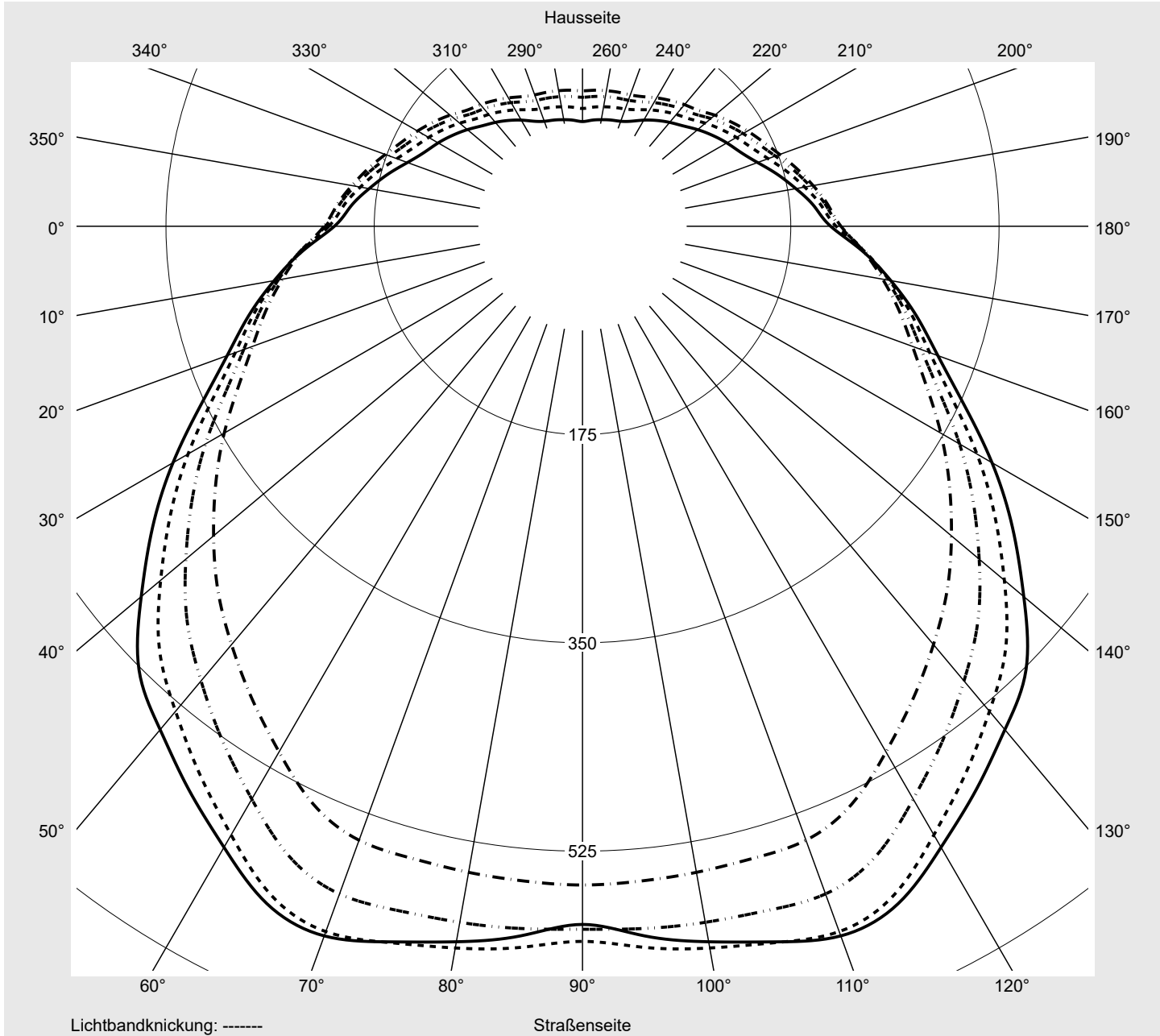
DIN EN 13032 und DIN 5032

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**Kegelmantelkurven in cd/klm**    KMK 57,5°    KMK 55°    KMK 52,5°    KMK 50°



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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°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3
2,5°	176.4	177.0	177.6	178.2	178.9	179.5	180.0	180.6	181.2	181.8	181.9	182.1	182.4
5,0°	176.7	178.0	179.2	180.5	181.8	182.9	184.0	185.1	186.2	187.2	187.8	188.4	188.9
7,5°	177.6	179.5	181.4	183.2	184.9	186.6	188.3	190.0	191.7	193.3	194.2	195.1	196.1
10,0°	179.1	181.4	183.7	186.0	188.3	190.5	192.8	195.0	197.2	199.4	200.8	202.2	203.6
12,5°	180.5	183.4	186.4	189.3	192.2	195.0	197.6	200.2	203.1	205.9	207.9	209.8	211.6
15,0°	182.6	186.0	189.4	192.8	196.3	199.6	202.9	206.2	209.5	212.8	215.2	217.5	219.9
17,5°	185.0	188.9	192.8	196.7	200.6	204.5	208.4	212.4	216.3	220.3	223.0	225.8	228.5
20,0°	187.7	192.1	196.5	200.9	205.3	209.7	214.2	218.7	223.2	227.7	231.0	234.2	237.5
22,5°	190.7	195.6	200.4	205.3	210.2	215.2	220.5	225.7	230.9	236.1	239.8	243.5	247.2
25,0°	194.0	199.3	204.6	209.9	215.2	220.9	227.0	233.1	239.3	245.4	249.6	253.7	257.9
27,5°	197.3	203.0	208.8	214.7	220.7	227.4	234.7	242.0	248.9	255.8	260.4	264.9	269.7
30,0°	200.6	207.3	213.9	220.6	227.3	234.7	242.8	250.8	258.9	267.0	272.4	277.9	283.3
32,5°	203.7	211.1	218.6	226.4	234.3	242.9	252.3	261.5	270.4	279.3	285.8	292.4	298.9
35,0°	206.8	215.6	224.4	233.2	242.0	251.6	261.9	272.2	282.6	292.9	300.8	308.7	316.6
37,5°	209.3	219.4	229.6	239.7	249.9	260.8	272.5	284.2	295.9	307.7	317.4	327.1	336.9
40,0°	211.9	223.5	235.1	246.6	258.2	270.8	284.4	298.0	311.6	325.2	337.0	348.8	360.6
42,5°	214.1	227.0	239.9	253.3	266.9	281.7	297.7	313.7	329.7	345.7	360.1	374.5	388.9
45,0°	215.6	230.9	246.2	261.4	276.7	293.9	313.1	332.3	351.5	370.7	388.4	406.2	423.9
47,5°	217.0	234.7	252.3	269.3	286.1	306.7	331.1	355.2	377.9	400.6	421.5	442.3	464.4
50,0°	217.2	236.7	256.1	275.6	295.1	319.1	347.6	376.1	404.7	433.2	458.8	484.4	510.0
52,5°	216.0	237.8	259.6	281.3	303.0	331.1	365.8	400.4	435.1	469.7	498.6	527.6	555.8
55,0°	213.1	237.5	261.8	286.1	310.5	342.7	382.7	422.7	462.7	502.7	532.0	561.2	590.5
57,5°	208.5	235.8	263.1	290.4	317.8	353.4	397.3	441.0	484.0	527.0	552.1	577.2	602.5
60,0°	200.8	231.2	261.6	292.0	322.3	359.6	403.8	448.0	492.2	536.4	557.1	577.8	598.5
62,5°	187.0	216.6	246.3	277.1	308.4	345.1	387.4	429.7	472.2	514.7	517.7	520.8	523.8
65,0°	161.8	183.5	205.3	227.0	248.8	283.1	330.0	376.9	423.8	470.7	449.4	428.0	406.6
67,5°	128.5	139.5	150.5	158.1	164.4	191.4	239.0	286.5	334.0	381.4	336.8	292.2	250.1
70,0°	91.5	91.6	91.6	91.6	91.6	110.9	149.6	188.3	227.0	265.7	227.2	188.6	150.1
72,5°	57.3	54.5	51.7	48.8	45.8	53.5	71.6	91.7	117.5	143.4	127.3	111.2	88.9
75,0°	32.8	30.1	27.4	24.6	21.9	24.4	32.1	39.8	47.5	55.2	50.5	45.8	41.1
77,5°	17.4	16.3	15.2	14.0	12.9	13.4	15.7	18.0	20.1	22.3	21.5	20.7	20.2
80,0°	8.5	8.4	8.3	8.2	8.1	8.3	8.9	9.5	10.1	10.7	10.6	10.4	10.3
82,5°	4.2	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	5.0	4.8	4.7	4.5
85,0°	1.5	1.6	1.6	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.6	1.5	1.5
87,5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90,0°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

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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°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3
2,5°	182.6	182.9	183.1	183.4	183.6	183.9	175.6	174.9	174.3	173.8	173.4	173.0	172.6
5,0°	189.5	190.0	190.4	190.8	191.2	191.6	175.5	174.2	173.0	171.8	170.6	169.5	168.4
7,5°	197.1	197.9	198.6	199.2	199.9	200.5	175.9	174.1	172.2	170.1	168.2	166.4	164.7
10,0°	205.0	206.1	206.8	207.6	208.4	209.2	176.5	173.9	171.3	168.7	166.3	164.1	161.9
12,5°	213.4	214.8	215.9	216.9	217.9	218.8	177.4	174.3	171.2	168.1	165.2	162.5	159.8
15,0°	222.3	224.0	225.2	226.3	227.5	228.7	178.9	175.3	171.7	168.1	164.7	161.4	158.2
17,5°	231.3	233.3	234.6	235.9	237.2	238.5	180.8	176.5	172.4	168.3	164.5	160.8	157.1
20,0°	240.7	243.1	244.6	246.2	247.7	249.2	183.1	178.5	173.9	169.2	164.8	160.7	156.5
22,5°	250.9	253.6	255.4	257.1	258.9	260.7	185.6	180.5	175.4	170.4	165.5	160.8	156.2
25,0°	262.1	265.1	267.0	269.0	270.9	272.8	188.5	182.9	177.4	171.8	166.5	161.3	156.2
27,5°	274.5	277.9	279.9	282.0	284.0	286.1	191.3	185.3	179.3	173.3	167.5	162.0	156.5
30,0°	288.7	292.5	294.6	296.6	298.7	300.7	194.1	187.7	181.2	174.8	168.6	162.8	156.9
32,5°	305.3	309.8	312.1	314.5	316.8	319.1	196.8	190.0	183.1	176.3	169.8	163.7	157.5
35,0°	324.5	329.6	331.9	334.2	336.5	338.8	199.5	192.2	184.9	177.6	170.7	164.3	157.9
37,5°	346.7	352.6	354.7	356.8	358.9	361.0	201.6	193.9	186.2	178.5	171.3	164.7	158.1
40,0°	372.5	379.7	382.2	384.7	387.2	389.8	203.7	195.5	187.2	179.0	171.5	164.7	157.8
42,5°	403.4	411.9	414.6	417.2	419.9	422.6	205.5	196.8	188.0	179.2	171.3	164.3	157.4
45,0°	441.6	452.0	454.9	457.9	460.8	463.8	206.4	197.2	188.0	178.7	170.6	163.5	156.5
47,5°	486.9	499.2	501.4	503.5	505.7	507.9	207.2	197.5	187.9	178.3	169.8	162.6	155.3
50,0°	535.6	548.9	550.1	551.2	552.3	553.5	207.0	196.8	186.6	176.4	167.5	160.1	152.6
52,5°	583.8	597.0	595.4	593.8	592.2	590.7	205.1	194.2	183.3	172.4	163.3	155.8	148.3
55,0°	619.7	630.6	623.2	615.7	608.3	600.8	201.3	189.6	177.8	166.0	156.5	149.3	142.0
57,5°	627.8	634.5	622.4	610.4	598.5	586.6	195.3	182.0	169.2	156.5	146.8	140.0	133.2
60,0°	619.2	616.1	589.1	562.2	535.2	508.3	186.7	172.5	158.3	144.2	133.9	127.5	121.0
62,5°	526.7	509.4	471.8	434.3	397.1	359.9	172.1	157.3	142.5	127.7	117.2	111.1	104.9
65,0°	385.3	353.9	312.4	270.9	229.4	188.0	148.1	134.4	120.7	107.0	97.4	91.8	86.2
67,5°	208.8	174.8	148.2	123.7	105.8	87.8	116.5	104.5	93.4	82.6	75.1	70.9	66.6
70,0°	111.5	88.0	79.4	70.9	62.4	53.8	83.8	76.0	68.2	60.5	54.9	51.6	48.2
72,5°	64.5	50.4	46.5	42.7	39.2	35.7	53.5	49.7	45.2	40.5	37.0	34.7	32.5
75,0°	36.4	32.8	30.5	28.1	25.7	23.4	30.9	28.9	26.9	25.0	23.5	22.5	21.5
77,5°	19.9	19.2	18.0	16.8	15.3	13.8	17.0	16.5	15.9	15.1	14.3	13.4	12.5
80,0°	10.1	9.8	9.5	9.1	8.7	8.3	8.5	8.5	8.6	8.6	8.4	8.1	7.8
82,5°	4.4	4.3	4.2	4.2	4.1	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.2
85,0°	1.4	1.4	1.3	1.3	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.7
87,5°	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90,0°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1

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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°	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	0.3	0.3
2,5°	171.9	171.3	170.9	170.5	170.1	169.6	169.3	169.2	169.1	169.0	168.9	2.1	2.4
5,0°	167.3	166.3	165.4	164.5	163.6	162.8	162.2	161.9	161.7	161.4	161.1	4.2	6.6
7,5°	163.1	161.6	160.3	159.0	157.7	156.5	155.6	155.3	154.9	154.4	154.0	6.3	12.9
10,0°	159.7	157.5	155.9	154.4	152.8	151.2	150.2	149.6	149.1	148.6	148.1	8.5	21.4
12,5°	157.0	154.2	152.3	150.5	148.8	147.1	145.9	145.3	144.7	144.2	143.6	10.7	32.1
15,0°	155.0	151.8	149.7	147.6	145.5	143.4	142.0	141.3	140.7	140.0	139.3	13.0	45.1
17,5°	153.4	149.7	147.3	144.9	142.5	140.1	138.6	137.9	137.2	136.5	135.8	15.3	60.4
20,0°	152.3	148.1	145.5	142.9	140.3	137.7	136.0	135.3	134.6	133.9	133.2	17.7	78.0
22,5°	151.4	146.7	144.1	141.4	138.6	135.9	134.1	133.3	132.6	131.8	131.0	20.2	98.2
25,0°	151.0	145.8	142.9	140.0	137.0	134.1	132.2	131.4	130.6	129.7	128.9	22.7	120.9
27,5°	151.0	145.5	142.3	139.1	135.9	132.6	130.6	129.8	128.9	128.1	127.2	25.4	146.4
30,0°	151.0	145.2	141.8	138.4	135.0	131.6	129.5	128.7	127.9	127.1	126.3	28.3	174.6
32,5°	151.3	145.0	141.5	138.0	134.6	131.1	128.9	128.1	127.3	126.5	125.7	31.3	205.9
35,0°	151.5	145.1	141.6	138.0	134.5	130.9	128.7	127.8	127.0	126.1	125.2	34.5	240.4
37,5°	151.4	144.8	141.1	137.4	133.8	130.1	127.9	127.0	126.1	125.2	124.3	37.8	278.2
40,0°	151.0	144.2	140.5	136.8	133.1	129.4	127.1	126.2	125.3	124.4	123.6	41.5	319.7
42,5°	150.4	143.5	139.7	135.9	132.1	128.3	125.9	124.9	123.9	122.9	121.9	45.4	365.1
45,0°	149.4	142.3	138.4	134.5	130.6	126.7	124.2	123.2	122.2	121.2	120.2	49.8	414.9
47,5°	148.0	140.7	136.6	132.5	128.3	124.0	121.4	120.4	119.4	118.4	117.4	54.6	469.4
50,0°	145.2	137.8	133.4	129.0	124.5	120.1	117.5	116.6	115.6	114.7	113.8	59.4	528.8
52,5°	140.8	133.3	128.9	124.5	120.0	115.5	112.7	111.6	110.5	109.4	108.4	64.2	593.0
55,0°	134.8	127.5	122.6	117.8	112.9	108.0	104.9	103.4	101.9	100.5	99.0	67.8	660.8
57,5°	126.3	119.3	113.9	108.5	103.0	97.4	93.9	92.4	90.9	89.5	88.0	69.6	730.4
60,0°	114.6	108.2	102.5	96.9	91.3	85.6	82.0	80.5	78.9	77.4	75.9	69.0	799.4
62,5°	98.6	92.3	87.2	82.0	76.8	71.7	68.5	67.4	66.2	65.0	63.9	62.2	861.6
65,0°	80.7	75.1	71.0	66.9	62.8	58.8	56.4	55.9	55.3	54.7	54.1	50.3	911.9
67,5°	62.1	57.7	55.1	52.4	49.7	47.0	45.6	45.4	45.2	45.1	44.9	35.1	947.0
70,0°	44.9	41.5	40.2	38.9	37.5	36.2	35.2	34.6	34.0	33.4	32.7	23.2	970.2
72,5°	30.7	28.9	28.3	27.7	27.3	27.0	26.5	26.0	25.5	25.0	24.5	13.8	984.0
75,0°	20.4	19.4	19.5	19.6	19.7	19.8	19.9	19.9	19.9	20.0	20.0	7.5	991.6
77,5°	11.9	11.3	11.8	12.4	13.0	13.6	14.0	14.3	14.5	14.8	15.1	4.2	995.8
80,0°	7.5	7.1	7.5	7.8	8.2	8.5	8.9	9.2	9.6	9.9	10.3	2.4	998.2
82,5°	4.1	4.0	4.1	4.3	4.4	4.4	4.6	5.0	5.3	5.6	5.9	1.2	999.4
85,0°	1.7	1.7	1.7	1.7	1.8	1.8	1.8	2.0	2.1	2.3	2.4	0.5	999.9
87,5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.1	1000.0
90,0°	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1000.0