

Photometric test report

Family Floodlight FL21 mini

Order number: 5XA7772C5E1A
EAN: 4058352655733

LP number
59252_149



Version mounting bracket
Optic direct, asymmetric narrow distribution,
asymmetric wide distribution
A640002
Cover toughened safety glass
Lamps LED 4000 K | CRI ≥ 80
Controlgear ECG SITECO IQ
Rated values Net luminous flux = 11000 lm
Power consumption = 87.2 W
Luminous efficacy = 126.1 lm/W

serial
documentation
26.08.2022

siteco

Luminous intensity in cd/klm

C180-0

C230-50

C235-55

C270-90

Imax: 1125 cd/klm



Luminaire output ratios

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

Luminous intensity class acc. to EN13201-2

Class: G6
Imax 70° 159.0
Imax 80° 26.3
Imax 90° 0.0
Imax >90° 0.0
Imax >95° 0.0

Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm

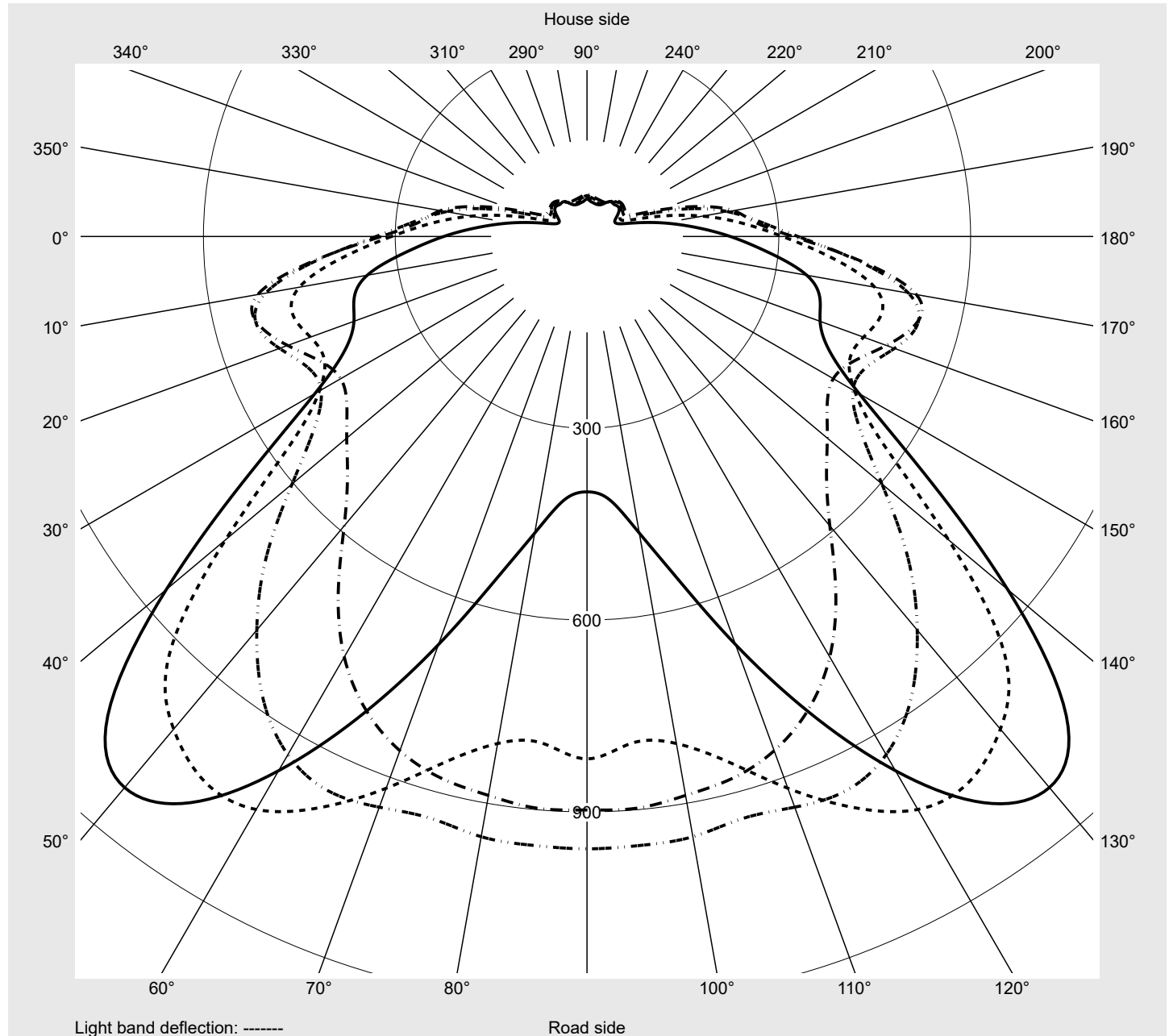
KMK 57.5°

KMK 55°

KMK 52.5°

KMK 50°

siteco



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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												
0,0°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	132.4	134.5	136.5	138.6	140.7	142.9	145.0	147.2	149.3	151.1	152.6	154.1	155.5
5,0°	136.2	140.7	145.2	150.1	155.2	160.1	165.5	171.2	177.1	182.6	187.7	192.3	196.7
7,5°	140.7	147.8	155.4	163.1	171.8	181.2	191.0	201.4	212.6	224.1	234.3	242.3	248.0
10,0°	145.8	155.5	166.0	177.1	189.8	203.4	219.6	236.2	247.5	254.2	258.8	261.3	262.6
12,5°	150.4	163.4	176.8	191.2	208.5	228.7	244.2	253.7	259.4	261.0	260.3	258.1	255.4
15,0°	152.7	169.1	184.5	203.0	225.6	243.0	253.7	258.5	258.2	255.7	252.1	249.2	247.0
17,5°	153.0	171.4	189.1	213.7	236.0	249.5	254.3	253.6	250.3	247.3	245.3	243.9	243.1
20,0°	150.7	170.1	191.9	220.1	239.7	247.8	247.7	244.7	242.2	240.9	239.8	239.4	239.0
22,5°	146.9	167.3	194.1	222.9	239.1	241.1	238.4	236.2	234.8	234.0	233.9	234.1	234.5
25,0°	143.3	166.0	197.5	224.2	235.4	233.9	231.7	229.8	228.3	228.4	229.2	230.5	231.6
27,5°	141.6	168.5	202.2	227.6	232.9	229.8	227.0	224.2	223.4	224.5	226.5	230.0	233.3
30,0°	143.8	174.8	209.4	232.3	233.6	228.8	223.8	220.7	220.7	223.4	228.9	235.1	241.0
32,5°	151.9	186.1	221.0	239.6	236.5	229.5	222.7	220.1	222.5	229.3	237.7	248.7	261.9
35,0°	167.3	204.1	238.0	252.1	245.3	233.3	225.7	225.6	233.1	243.5	258.5	276.2	294.8
37,5°	189.9	231.0	265.4	275.9	263.2	243.1	234.5	238.8	249.7	266.6	287.4	310.3	332.0
40,0°	219.4	268.8	310.2	319.3	292.3	261.6	252.6	260.2	275.4	298.0	323.7	350.9	373.9
42,5°	255.2	318.2	376.2	379.5	329.0	294.5	282.7	290.6	310.0	334.9	363.8	392.0	416.1
45,0°	291.7	377.9	460.0	441.3	383.2	346.4	329.7	335.2	356.3	380.6	408.5	437.2	467.1
47,5°	313.5	422.4	510.1	492.7	444.3	404.7	385.1	390.6	412.4	433.9	462.3	509.0	567.3
50,0°	322.1	427.1	523.1	531.8	498.3	460.9	444.9	458.7	490.7	529.8	590.9	678.4	759.4
52,5°	330.0	423.0	510.7	534.9	511.8	482.8	480.3	520.0	602.2	709.6	803.6	883.3	935.9
55,0°	305.8	384.9	457.0	476.1	460.3	453.6	483.4	565.6	738.3	923.8	1005.9	1041.7	1034.9
57,5°	224.1	284.8	349.1	377.3	388.0	416.9	491.6	641.3	859.1	1060.2	1125.2	1081.1	964.9
60,0°	124.1	156.8	227.5	273.2	299.1	350.2	474.4	685.2	902.7	1047.0	1045.9	924.1	734.1
62,5°	63.0	73.0	129.6	185.8	222.2	266.7	381.8	564.4	742.6	853.1	813.5	664.6	495.2
65,0°	42.6	44.9	81.7	136.8	181.2	216.0	273.1	371.7	467.9	543.1	529.6	413.8	301.4
67,5°	32.5	35.5	54.9	89.0	121.0	143.7	166.0	206.7	241.9	283.0	278.9	234.8	203.4
70,0°	27.0	28.2	38.3	54.2	71.1	80.0	89.0	107.6	120.9	125.1	137.6	159.0	148.1
72,5°	22.1	22.7	23.8	26.1	38.7	50.0	53.3	52.6	32.7	50.1	82.7	108.4	102.1
75,0°	17.3	18.2	18.6	20.8	23.8	33.3	35.7	23.9	24.2	34.9	57.1	70.0	68.9
77,5°	12.3	13.6	14.7	16.3	17.7	23.3	23.2	18.2	17.8	23.1	38.9	47.5	44.6
80,0°	8.5	9.4	11.0	12.4	13.8	14.7	14.5	12.5	11.8	14.2	22.7	26.3	22.3
82,5°	5.6	6.1	7.7	9.0	10.5	10.4	9.4	8.1	7.1	7.6	12.0	10.9	9.5
85,0°	2.7	3.3	4.5	5.5	6.0	5.5	4.9	3.8	3.3	2.8	2.9	2.9	3.1
87,5°	1.1	1.2	1.4	1.6	1.6	1.4	1.2	1.0	1.0	1.0	1.0	1.0	1.1
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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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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6
2,5°	156.6	157.4	158.2	158.9	159.9	164.9	130.5	128.8	127.2	125.6	124.1	122.9	121.7
5,0°	200.7	204.1	206.9	209.2	211.1	208.1	131.9	128.2	124.8	121.9	119.3	117.2	115.4
7,5°	251.8	254.5	256.3	257.6	258.6	259.4	134.3	128.8	124.2	120.6	117.6	115.5	113.8
10,0°	262.9	262.7	261.8	261.0	260.3	261.7	137.0	130.1	124.5	120.7	117.9	115.7	114.0
12,5°	252.7	250.4	248.2	246.5	245.3	245.4	139.2	130.7	124.9	121.4	118.5	116.9	118.0
15,0°	245.6	244.4	243.3	242.3	241.7	242.0	139.2	129.7	124.3	121.2	119.6	121.5	122.0
17,5°	242.5	242.2	242.0	241.8	241.8	242.1	136.8	126.8	122.1	119.9	122.3	121.8	120.9
20,0°	238.9	239.1	239.3	239.7	240.2	240.8	132.5	122.8	118.8	120.6	120.8	119.0	112.3
22,5°	234.9	235.5	236.2	237.3	238.6	239.5	127.6	118.5	117.1	120.1	117.2	110.8	103.0
25,0°	232.8	234.3	236.2	238.3	240.1	240.7	123.8	115.5	117.5	117.1	112.7	102.5	95.4
27,5°	235.5	237.9	241.2	245.0	248.0	251.6	122.0	114.1	119.1	114.4	104.9	95.8	88.1
30,0°	247.1	253.8	260.5	267.0	271.5	271.3	123.0	116.1	119.8	111.9	98.9	90.2	79.8
32,5°	273.6	283.7	292.5	300.5	305.7	312.0	128.5	123.1	121.2	108.8	94.1	84.0	75.1
35,0°	310.3	322.7	333.0	341.7	347.8	347.3	139.5	135.3	123.3	105.0	89.7	77.9	73.4
37,5°	350.9	365.7	376.4	385.0	391.1	393.4	155.8	149.6	126.9	103.3	85.9	75.6	73.2
40,0°	394.0	410.6	422.4	431.0	437.2	436.5	178.6	167.3	134.1	105.7	84.0	76.1	74.0
42,5°	437.8	455.4	469.6	480.6	488.5	498.0	204.1	186.9	144.7	111.1	85.3	76.9	74.4
45,0°	496.1	523.4	548.1	567.3	579.9	574.6	230.4	207.0	158.8	119.3	86.5	76.9	75.2
47,5°	622.1	667.2	704.9	729.3	744.5	772.1	248.7	221.2	172.9	124.8	85.9	75.9	75.1
50,0°	817.7	856.0	877.6	887.8	897.6	897.0	262.7	232.7	181.0	121.5	80.7	72.4	72.3
52,5°	957.0	949.9	942.3	953.3	956.1	957.8	270.4	223.5	168.0	104.5	72.0	66.7	68.0
55,0°	985.4	918.4	850.3	805.3	795.7	817.1	242.5	183.3	124.3	77.7	60.2	59.3	63.2
57,5°	820.8	679.3	557.4	471.0	414.0	399.4	168.5	121.8	83.1	58.3	49.6	50.4	58.2
60,0°	565.9	416.9	291.2	218.8	201.8	204.1	98.5	76.3	60.2	49.5	42.7	42.5	51.4
62,5°	352.9	225.2	172.1	164.4	165.0	163.5	62.0	53.1	50.9	44.0	38.6	37.9	42.6
65,0°	215.8	157.2	148.0	144.2	146.1	148.1	45.1	41.3	45.0	39.4	35.9	35.1	37.7
67,5°	155.8	138.1	133.4	129.5	129.8	126.1	35.6	35.3	36.1	34.5	32.8	32.2	34.9
70,0°	123.4	120.3	112.5	104.4	99.6	99.7	28.5	30.8	31.5	31.1	29.5	29.2	32.2
72,5°	90.4	88.2	79.7	70.9	68.2	63.4	23.2	24.9	27.7	26.3	25.0	25.2	27.5
75,0°	64.4	59.0	56.6	51.9	49.2	49.4	19.3	20.8	21.2	21.1	20.8	20.7	21.5
77,5°	39.1	35.8	37.0	39.4	36.6	32.0	13.8	15.5	15.5	15.5	15.9	15.5	15.0
80,0°	19.4	19.5	22.1	22.4	19.3	18.9	9.2	10.4	10.5	10.7	10.7	10.1	9.5
82,5°	9.4	9.3	10.3	10.0	8.2	7.7	5.7	6.3	6.7	6.6	6.3	5.9	5.5
85,0°	3.1	3.0	2.9	2.9	2.8	3.0	2.9	3.2	3.4	3.2	3.1	2.9	2.7
87,5°	1.1	1.1	1.1	1.0	1.0	1.0	1.1	1.2	1.3	1.3	1.2	1.2	1.2
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

Photometric test report

Family Floodlight FL21 mini				Order number: 5XA7772C5E1A EAN: 4058352655733								LP number 59252_149			
Table of values for luminous intensities												Maximum luminous intensity		sīteco	
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°	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	131.6	0.2	0.2		
2,5°	120.5	119.5	118.5	117.8	117.0	116.5	116.1	115.8	115.6	115.3	115.3	1.6	1.8		
5,0°	113.8	112.6	111.6	110.9	110.4	110.0	109.7	109.6	109.4	109.1	109.2	3.5	5.3		
7,5°	112.5	111.3	110.4	110.0	110.0	110.3	110.8	111.4	111.9	112.1	112.2	5.9	11.2		
10,0°	113.2	113.9	115.3	116.9	118.0	118.9	120.0	120.9	121.7	122.0	122.0	8.4	19.6		
12,5°	119.7	120.5	121.6	122.0	120.4	118.5	116.9	115.9	115.3	114.8	114.6	10.5	30.1		
15,0°	122.1	120.5	116.5	113.3	110.9	109.0	107.6	106.7	106.1	105.6	105.2	12.5	42.6		
17,5°	115.7	110.7	106.8	103.7	101.2	98.4	94.9	91.4	88.7	87.1	86.6	14.2	56.8		
20,0°	106.2	101.5	97.6	92.5	85.4	80.0	77.7	77.1	77.0	77.0	76.9	15.6	72.4		
22,5°	97.2	91.7	83.1	76.4	74.6	74.5	74.9	75.4	75.7	76.0	76.1	16.9	89.3		
25,0°	88.7	78.4	73.8	72.9	73.0	73.6	74.4	75.3	76.2	76.8	77.1	18.3	107.7		
27,5°	77.4	72.9	71.9	71.8	72.1	72.9	74.3	75.8	77.2	78.1	78.5	19.9	127.6		
30,0°	73.6	71.9	71.4	71.4	71.7	72.7	74.5	76.4	78.1	79.3	79.7	22.0	149.6		
32,5°	72.5	71.5	71.3	71.0	71.4	72.5	74.3	76.4	78.2	79.3	79.6	24.7	174.3		
35,0°	72.1	71.7	71.3	71.2	71.2	72.0	73.0	74.5	76.2	77.3	77.7	28.1	202.4		
37,5°	72.9	73.2	73.4	72.0	70.5	70.0	70.4	71.0	71.9	72.8	73.3	32.3	234.7		
40,0°	73.9	75.3	75.1	71.5	68.7	66.7	66.6	67.4	68.6	69.5	69.9	37.6	272.3		
42,5°	74.4	76.4	74.5	69.2	66.0	64.5	64.1	64.7	66.1	67.6	68.3	43.9	316.2		
45,0°	75.2	75.9	73.1	68.2	64.3	62.2	61.4	62.3	64.3	66.3	67.4	52.1	368.3		
47,5°	75.1	74.8	73.2	67.8	62.7	60.7	60.0	61.4	64.6	67.3	68.4	63.5	431.8		
50,0°	74.2	74.8	72.5	67.4	61.7	59.9	60.1	60.9	62.5	64.5	66.0	77.1	508.9		
52,5°	72.3	73.4	70.7	67.3	61.5	59.5	57.9	58.1	59.9	61.8	64.0	88.3	597.2		
55,0°	69.1	70.8	68.3	66.7	61.9	57.2	55.2	55.5	56.4	58.2	61.7	90.8	688.0		
57,5°	65.7	67.4	65.6	66.0	61.7	55.4	52.8	52.5	53.7	55.6	58.5	81.1	769.0		
60,0°	61.4	63.0	62.1	63.8	61.7	55.3	51.6	51.0	52.2	56.1	60.3	66.4	835.4		
62,5°	52.6	57.3	56.9	60.4	60.7	55.9	51.6	51.3	57.5	69.3	75.4	51.0	886.5		
65,0°	43.1	48.7	51.4	55.4	57.9	56.1	52.5	56.3	62.8	61.2	61.7	36.9	923.4		
67,5°	37.4	38.3	42.6	48.4	54.0	54.3	53.4	55.3	52.6	53.2	54.3	25.3	948.7		
70,0°	32.2	30.9	33.3	40.0	47.3	50.8	51.5	49.0	47.0	48.3	49.4	17.6	966.3		
72,5°	25.8	25.0	24.1	28.5	36.2	42.4	45.8	39.0	39.0	39.6	40.0	11.9	978.2		
75,0°	19.8	17.8	17.9	20.3	25.4	31.1	36.7	33.2	30.3	30.4	31.0	8.7	986.9		
77,5°	13.8	12.8	12.8	14.4	18.1	21.3	25.2	25.0	21.7	21.6	22.2	6.1	993.0		
80,0°	8.7	8.6	8.6	9.3	11.7	12.3	13.6	15.3	13.6	13.3	13.5	3.7	996.7		
82,5°	5.2	5.1	5.1	5.6	6.8	6.7	6.7	7.3	7.2	6.9	7.1	2.1	998.8		
85,0°	2.6	2.5	2.5	2.6	2.8	2.7	2.7	2.6	2.6	2.6	2.6	0.9	999.7		
87,5°	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	0.3	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		

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Family Floodlight FL21 mini	Order number: 5XA7772C5E1A EAN: 4058352655733	LP number 59252_149
Dimming levels table environmental temperature: 25°C		

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	11000	87.2	92.1	89.6
95	241	252	10437	81.9	86.5	84.2
90	229	250	9917	77.1	81.4	79.2
85	216	248	9354	72.0	76.0	74.0
80	203	246	8791	67.1	70.8	68.9
75	190	243	8228	62.3	65.7	64.0
70	178	241	7709	57.9	61.1	59.5
65	165	238	7146	53.2	56.2	54.7
60	152	235	6583	48.6	51.4	50.0
55	140	232	6063	44.5	46.9	45.7
50	127	229	5500	40.1	42.2	41.2
45	114	225	4937	35.9	37.7	36.8
40	102	221	4417	31.9	33.6	32.8
35	89	216	3854	27.8	29.3	28.6
30	76	210	3291	23.8	25.0	24.4
25	63	203	2728	20.0	21.0	20.5
20	51	195	2209	16.5	17.3	16.9
16	40	186	1732	13.3	13.9	13.6