

Photometric test report

Family Floodlight FL21 micro 	Order number: 5XA7762A1F1A EAN: 4058352669563	LP number 59367_96
	Version mounting bracket Optic asymmetric distribution PL33T Cover toughened safety glass Lamps LED 2200 K CRI ≥ 70 Controlgear ECG SITECO iQ Rated values Net luminous flux = 2430 lm Power consumption = 23.1 W Luminous efficacy = 105.2 lm/W	serial documentation 21.12.2022

Luminous intensity in cd/klm C180-0 C240-60 C245-65 C270-90 **Imax: 1467 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°	277.8
Imax 80°	14.1
Imax 90°	0.0
Imax >90°	0.0
Imax >95°	0.0

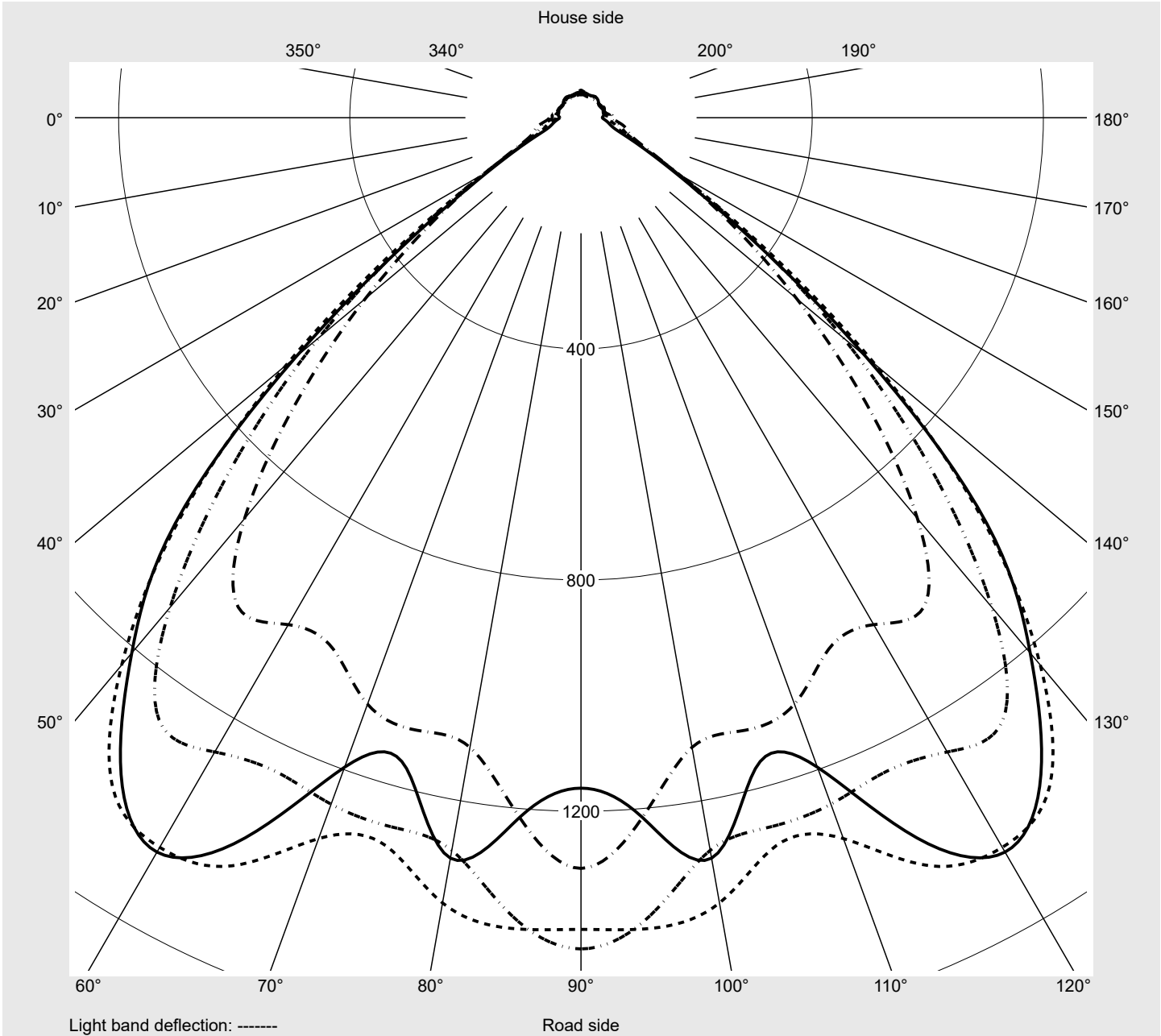
Measurement conditions

DIN EN 13032 and DIN 5032

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Envelope curve in cd/klm **KMK 60°** **KMK 57.5°** **KMK 55°** **KMK 52.5°** **siteco**



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Table of values for luminous intensities		Maximum luminous intensity
		siteco

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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	126.0	127.9	130.1	132.1	134.1	136.1	137.9	139.7	141.4	143.0	144.4	145.7	146.8
5,0°	127.4	131.7	136.0	140.4	144.8	149.1	153.1	157.1	160.7	164.4	168.0	171.1	174.3
7,5°	128.0	134.1	140.1	146.3	152.5	159.1	165.8	172.9	179.9	187.1	194.2	201.2	207.6
10,0°	128.3	135.8	143.6	152.1	161.4	171.8	182.2	193.1	204.0	215.3	225.7	234.5	241.7
12,5°	128.5	137.9	148.6	159.9	172.1	184.7	196.8	209.7	221.9	232.6	241.8	249.2	255.7
15,0°	129.3	140.4	152.8	165.7	178.4	191.1	204.7	218.1	229.6	239.3	247.6	255.9	264.0
17,5°	129.6	141.7	154.8	168.3	181.5	196.0	210.7	224.7	236.5	246.6	257.9	270.3	282.9
20,0°	127.9	141.3	154.8	168.8	183.7	200.6	218.1	234.3	247.7	260.6	277.3	294.2	310.4
22,5°	123.9	138.6	153.7	168.5	185.5	205.4	226.0	242.9	256.9	273.0	294.9	313.1	326.9
25,0°	122.1	134.7	150.3	167.5	186.2	206.8	229.2	247.0	259.9	278.5	301.2	319.1	335.9
27,5°	120.1	131.0	144.2	164.5	184.3	205.2	227.9	248.2	263.1	284.0	309.2	333.6	354.0
30,0°	116.8	126.8	138.2	159.8	181.0	201.7	227.1	254.8	276.1	301.4	331.2	361.6	381.1
32,5°	111.9	122.6	132.7	154.8	177.0	199.1	229.2	262.8	290.9	318.8	353.4	386.1	404.7
35,0°	106.5	117.5	127.8	149.1	171.1	196.3	231.1	266.8	298.5	327.4	365.0	397.2	419.7
37,5°	100.0	109.6	122.0	141.5	164.5	191.8	231.8	265.0	294.0	323.6	358.1	388.6	410.5
40,0°	92.0	99.5	113.7	132.0	155.8	187.3	230.3	261.2	286.1	316.8	354.9	378.6	399.2
42,5°	83.8	90.5	105.1	122.6	145.8	182.4	231.4	262.2	290.4	333.3	375.7	396.6	416.4
45,0°	76.1	82.7	98.5	116.9	139.3	179.2	232.4	267.7	314.3	379.3	438.6	470.3	485.1
47,5°	69.6	76.1	92.0	108.2	127.7	164.2	218.9	269.7	343.7	433.4	529.7	582.5	588.3
50,0°	62.8	66.1	79.0	91.5	104.4	135.5	193.9	273.2	390.2	530.5	686.4	778.0	766.7
52,5°	54.9	60.6	73.3	82.7	93.1	123.2	190.5	310.9	487.2	696.5	905.7	1034.0	1012.9
55,0°	49.5	54.9	67.0	74.4	85.9	117.3	194.4	353.9	591.4	853.5	1106.0	1272.6	1267.3
57,5°	43.2	47.6	57.7	64.6	77.2	111.2	194.4	371.2	665.6	982.8	1236.4	1413.2	1457.8
60,0°	37.0	41.4	47.5	54.3	69.4	108.2	182.7	341.5	643.7	992.8	1209.2	1387.4	1467.3
62,5°	32.5	35.5	39.7	46.4	59.9	95.3	152.5	268.8	504.3	807.0	995.2	1183.6	1229.3
65,0°	27.8	30.4	34.1	40.3	49.2	70.3	109.4	182.8	335.2	551.3	733.1	891.2	858.8
67,5°	21.9	23.1	27.5	33.2	40.6	51.3	71.7	110.4	192.7	322.0	465.3	546.3	495.6
70,0°	18.7	18.6	20.7	27.7	34.9	41.4	52.4	67.9	101.2	159.2	236.5	277.8	230.1
72,5°	15.2	15.6	16.6	21.8	27.3	31.8	36.7	42.5	53.1	70.9	90.4	103.5	89.8
75,0°	12.5	12.9	13.3	16.0	19.3	21.6	24.1	25.0	28.7	32.9	37.6	42.2	37.5
77,5°	9.8	10.5	10.7	12.0	13.5	14.3	14.9	15.1	16.5	18.1	20.2	21.8	20.5
80,0°	8.0	7.6	7.9	9.3	8.8	8.9	8.7	8.9	9.8	10.1	11.6	11.9	11.3
82,5°	6.5	5.4	5.0	5.9	5.5	5.1	4.7	4.9	5.1	5.4	5.9	6.0	5.6
85,0°	3.4	2.7	2.3	2.3	2.2	2.1	2.1	2.1	2.0	2.2	2.4	2.4	2.4
87,5°	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0
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	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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
2,5°	147.8	148.4	149.1	149.6	150.1	154.8	124.2	122.3	120.5	118.7	117.1	115.5	114.0
5,0°	177.0	179.3	181.1	182.6	183.6	182.6	123.4	119.5	115.8	112.5	109.3	106.5	103.8
7,5°	213.0	217.2	220.6	223.3	225.4	227.0	122.3	116.9	111.7	107.0	102.7	98.9	95.4
10,0°	247.4	251.8	255.1	257.4	258.9	259.2	121.3	114.5	107.9	102.1	96.7	92.0	88.2
12,5°	260.9	264.6	267.3	269.2	270.7	272.3	119.9	111.7	104.1	97.3	91.3	86.4	82.3
15,0°	270.6	276.4	281.6	286.3	289.7	289.5	118.9	109.0	100.6	92.9	85.9	79.7	75.0
17,5°	295.4	307.1	316.9	324.7	330.4	337.6	117.8	105.6	94.7	86.8	80.0	74.2	69.7
20,0°	324.9	335.8	344.5	351.4	357.6	359.7	113.4	101.0	90.6	82.3	74.6	69.3	65.7
22,5°	341.3	354.9	363.5	369.0	373.3	376.6	110.4	97.3	85.9	76.7	70.1	65.1	60.6
25,0°	355.5	373.0	378.7	378.9	379.2	379.8	107.0	92.6	81.7	73.0	66.5	60.4	55.6
27,5°	372.0	389.5	398.2	397.8	393.7	394.0	102.1	87.2	77.5	69.6	62.5	56.2	53.3
30,0°	395.3	409.5	416.1	413.2	409.9	408.8	97.0	82.9	73.3	66.1	58.0	54.0	51.3
32,5°	419.4	428.6	427.7	421.3	419.0	422.0	92.4	78.8	69.3	61.3	55.6	52.3	49.9
35,0°	441.8	438.1	432.5	424.5	420.4	420.8	87.2	73.9	65.4	57.5	53.5	50.9	48.6
37,5°	429.1	438.1	427.8	420.9	418.3	420.1	82.3	69.3	59.4	54.0	51.4	49.0	46.3
40,0°	428.8	447.2	448.5	451.8	469.8	475.6	76.9	63.9	54.8	51.1	48.9	47.4	45.1
42,5°	453.4	493.2	516.7	541.5	583.5	629.2	72.0	58.2	51.2	48.6	47.1	45.7	43.8
45,0°	524.4	587.2	632.1	679.0	742.6	774.8	67.9	54.0	48.3	46.5	45.3	43.7	42.7
47,5°	622.0	701.2	757.2	800.2	893.6	980.7	63.6	50.5	45.8	44.4	43.8	42.2	41.3
50,0°	785.4	866.2	904.9	931.3	1038.8	1114.2	58.9	47.5	42.8	42.6	42.1	40.8	39.6
52,5°	1014.5	1079.9	1097.3	1106.3	1215.8	1299.0	53.5	45.6	41.6	41.8	41.0	39.5	38.7
55,0°	1248.6	1264.1	1270.2	1287.4	1385.0	1438.3	49.9	44.6	42.2	43.1	43.4	40.6	39.8
57,5°	1428.3	1327.5	1304.2	1379.7	1408.0	1404.5	44.4	42.4	41.6	42.8	41.7	40.6	39.1
60,0°	1375.0	1196.0	1166.0	1301.1	1215.0	1160.1	39.1	39.5	39.7	40.3	39.1	38.2	37.8
62,5°	1067.0	911.0	916.3	978.6	898.4	768.5	33.5	36.1	37.1	36.9	36.7	36.1	36.5
65,0°	696.2	580.9	594.1	585.1	555.5	521.5	29.7	32.7	34.0	33.9	33.3	34.1	35.8
67,5°	381.0	323.8	299.1	240.8	204.0	163.4	26.0	28.0	29.8	29.4	30.4	31.7	34.1
70,0°	171.4	154.0	129.5	82.3	72.3	77.2	20.7	22.1	22.8	24.0	27.6	28.8	30.9
72,5°	70.6	64.7	51.8	39.4	35.7	32.9	16.5	17.7	19.0	20.1	23.9	25.1	26.2
75,0°	33.1	31.3	26.2	22.6	20.4	21.1	13.1	14.3	15.4	16.8	19.8	20.9	21.0
77,5°	19.0	17.7	15.5	14.0	13.0	12.3	10.1	11.3	12.1	13.1	14.8	16.3	15.9
80,0°	10.1	9.6	9.0	8.6	8.2	8.3	7.8	8.3	8.7	9.5	10.8	11.9	12.0
82,5°	5.0	4.9	4.8	4.7	4.7	4.5	6.0	6.4	6.6	6.7	7.6	8.1	8.6
85,0°	2.3	2.3	2.3	2.3	2.3	2.4	3.1	2.9	3.4	3.2	3.2	3.4	3.8
87,5°	1.1	1.1	1.2	1.2	1.2	1.2	0.7	0.8	0.9	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	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°	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	0.2	0.2
2,5°	112.6	111.3	110.1	109.1	108.2	107.4	106.8	106.4	106.0	105.7	105.6	1.5	1.7
5,0°	101.4	99.2	97.3	95.6	94.2	93.0	92.1	91.4	90.8	90.3	90.2	3.2	4.9
7,5°	92.4	89.9	87.8	86.0	84.4	83.2	82.2	81.5	81.0	80.5	80.4	5.0	9.9
10,0°	85.0	82.4	80.3	78.5	76.9	75.6	74.7	74.1	73.8	73.6	73.6	7.0	16.9
12,5°	79.0	76.3	73.9	71.9	70.4	69.4	68.7	68.4	68.3	68.0	67.8	9.0	25.9
15,0°	71.6	68.7	65.9	63.8	62.4	61.2	60.0	59.1	58.7	58.8	59.0	10.8	36.7
17,5°	66.4	63.4	60.8	57.3	55.6	54.9	54.1	53.1	51.8	50.8	50.7	13.0	49.7
20,0°	62.3	57.5	55.0	53.8	53.1	51.9	51.2	50.0	49.5	49.2	49.1	15.3	65.0
22,5°	56.0	53.7	52.3	51.1	50.0	49.3	48.0	47.5	47.4	47.4	47.3	17.5	82.4
25,0°	53.4	51.5	49.8	48.5	47.7	46.2	45.6	45.4	45.5	45.7	46.0	19.4	101.8
27,5°	51.2	49.3	47.3	46.2	44.4	44.0	44.0	44.0	44.4	44.9	45.0	21.5	123.3
30,0°	49.7	47.1	45.7	44.1	43.2	42.8	42.8	43.0	43.3	43.8	44.0	23.8	147.1
32,5°	47.6	46.2	45.0	42.8	42.0	42.0	42.1	42.4	43.0	43.3	44.0	26.1	173.3
35,0°	46.1	45.1	43.5	42.3	41.9	41.8	41.7	42.2	43.0	43.7	43.7	28.1	201.4
37,5°	45.5	44.5	42.8	42.0	41.9	41.9	41.8	41.9	41.9	42.3	42.4	29.2	230.6
40,0°	44.5	43.5	42.3	41.7	41.6	41.4	41.2	41.1	41.4	41.8	41.9	30.9	261.5
42,5°	43.3	42.3	41.1	40.8	40.5	40.4	40.4	40.4	40.6	41.2	41.0	34.7	296.2
45,0°	42.1	41.3	40.0	39.6	39.3	39.3	39.5	39.6	39.9	40.9	40.7	40.9	337.1
47,5°	40.0	39.7	39.6	38.7	38.5	38.3	38.7	38.8	39.4	39.2	42.1	48.3	385.5
50,0°	38.8	38.0	38.6	39.1	38.0	37.8	38.1	37.9	38.8	39.7	39.2	58.1	443.6
52,5°	38.6	38.1	38.5	38.6	38.2	38.2	38.0	37.9	38.9	39.7	39.5	72.5	516.0
55,0°	39.1	39.4	40.2	41.2	40.6	40.0	39.6	40.1	41.6	43.5	44.9	87.3	603.3
57,5°	39.8	41.9	43.1	44.0	43.0	41.9	41.9	42.7	44.3	45.7	47.6	96.4	699.8
60,0°	39.6	41.9	43.3	43.8	42.8	41.8	41.8	42.6	43.6	44.1	44.2	93.2	793.0
62,5°	39.2	42.0	43.8	43.5	42.2	41.5	42.2	42.5	41.3	40.0	39.5	76.3	869.3
65,0°	39.0	42.0	44.0	43.1	42.1	42.4	43.6	42.5	40.5	38.5	39.4	54.2	923.5
67,5°	37.5	40.5	42.2	42.2	42.1	42.9	43.3	41.5	39.3	38.8	38.6	32.2	955.7
70,0°	34.0	37.3	36.0	37.9	39.5	41.1	41.7	39.8	38.6	38.2	37.3	18.0	973.7
72,5°	26.8	27.6	29.6	32.0	34.7	36.6	37.2	35.6	34.1	33.6	31.3	10.1	983.7
75,0°	21.5	22.3	24.2	26.7	29.5	31.7	31.1	27.1	25.2	23.4	22.2	6.3	990.1
77,5°	16.0	15.8	18.0	19.1	22.8	23.5	22.6	20.7	17.5	14.1	12.6	4.3	994.4
80,0°	10.3	10.4	11.8	12.5	13.4	14.1	14.0	12.8	10.7	10.6	10.0	2.8	997.1
82,5°	7.4	7.4	8.2	8.8	8.4	9.5	9.4	8.5	7.8	8.2	8.1	1.8	998.9
85,0°	3.6	3.8	4.0	4.4	4.0	4.0	4.1	4.0	3.6	3.7	3.8	0.8	999.7
87,5°	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	1.9	1.9	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 micro	Order number: 5XA7762A1F1A EAN: 4058352669563	LP number 59367_96
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Dimming levels table	environmental temperature: 25°C	siteco
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Luminous flux %	Dimming level linear	Dimming level logarithmic	Luminous flux [lm]	Power consumption [W]	Power consumption [W]	Power consumption [W]
				start of lifetime	end of lifetime	average
100	254	254	2430	23.1	23.8	23.5
95	241	252	2306	21.7	22.4	22.0
90	229	250	2191	20.4	21.1	20.8
85	216	248	2066	19.1	19.7	19.4
80	203	246	1942	17.8	18.3	18.0
75	190	243	1818	16.6	17.1	16.8
70	178	241	1703	15.4	15.9	15.6
65	165	238	1579	14.3	14.7	14.5
60	152	235	1454	13.1	13.5	13.3
55	140	232	1339	12.1	12.4	12.2
50	127	229	1215	10.9	11.3	11.1
45	114	225	1091	9.9	10.2	10.0
40	102	221	976	8.9	9.2	9.0
35	89	216	851	7.9	8.1	8.0
30	76	210	727	6.9	7.1	7.0
25	63	203	603	5.9	6.1	6.0
20	51	195	488	5.1	5.2	5.2
15	39	185	373	4.2	4.3	4.2