

Luminaire

Code 90437L015

Name VEGA SQ /E Q100 LIGHT+ 930 HO

Measurem.

Code 10/2/2023

Name VEGA SQ /E Q100 LIGHT+ 930 HO

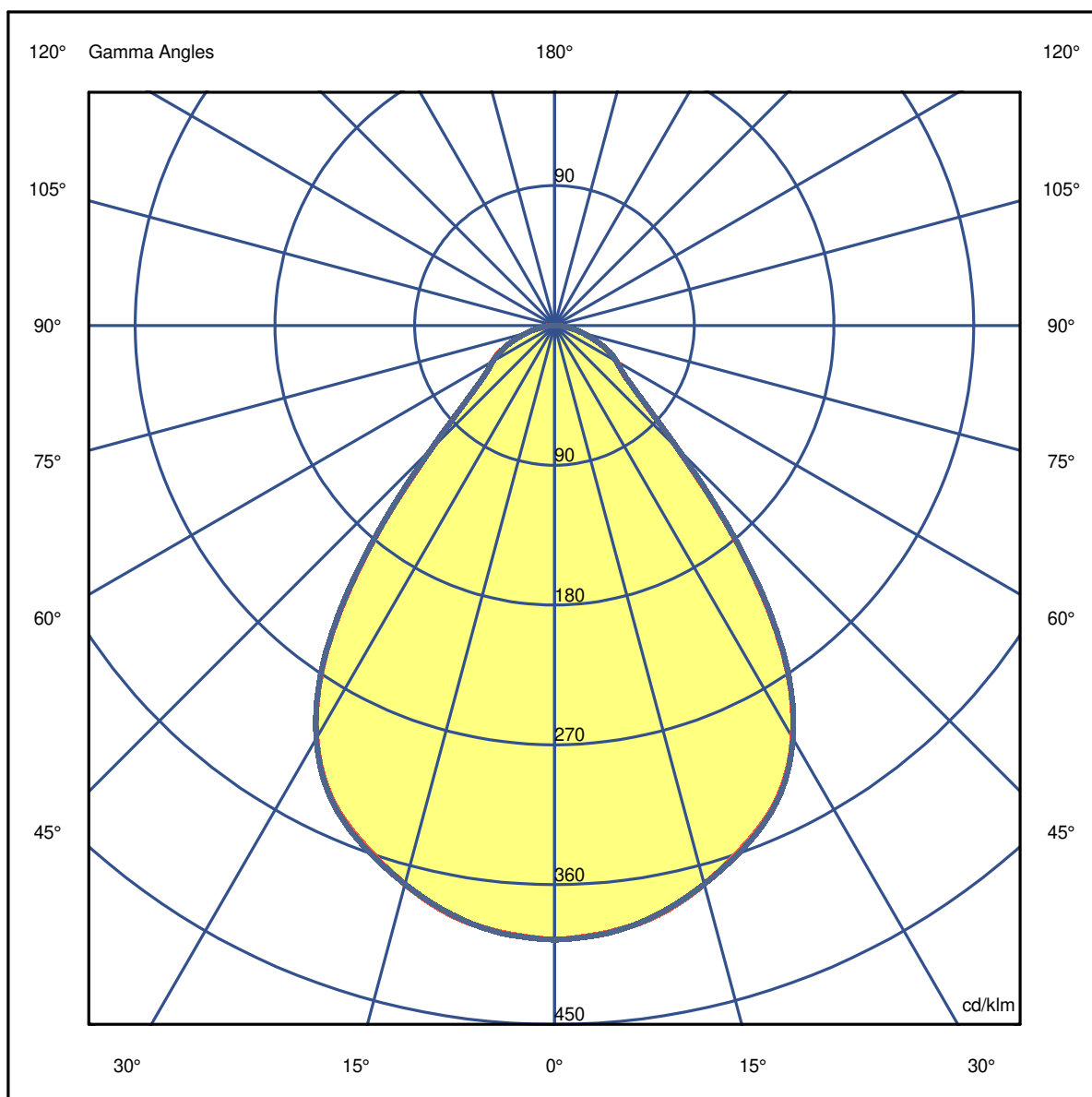
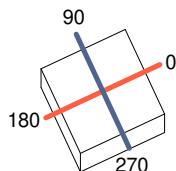
Luminaire Flux	1105 lm	Luminaire Power	11.8 W	Efficacy	93.957 lm/W	Efficiency	67.13%
Source Flux	1646 lm	Maximum value	395.40 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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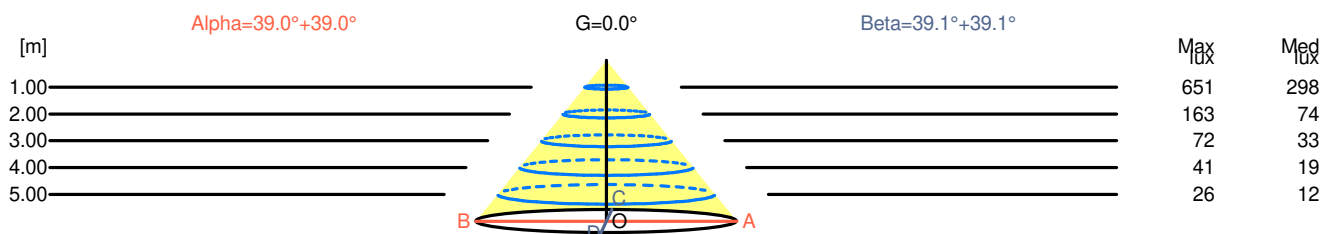
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Source Flux	1646 lm	Maximum value	395.40 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.81	1.62	2.43	3.24	4.05	OC	0.81	1.63	2.44	3.25	4.07
OB	0.81	1.62	2.43	3.24	4.05	OD	0.81	1.63	2.44	3.25	4.07

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	650.83	645.56	612.97	555.85	421.87	184.19	89.38	62.22	31.27	8.07
OB	650.83	645.56	612.97	555.85	421.87	184.19	89.38	62.22	31.27	8.07
OC	650.83	646.38	612.81	557.17	422.69	184.68	89.21	61.72	30.62	7.24
OD	650.83	646.38	612.81	557.17	422.69	184.68	89.21	61.72	30.62	7.24



H[m]	D[m]	Max lux	Med lux	Alpha=39.0°+39.0°	G=0.0	
1.00	1.62	651	298			
2.00	3.24	163	74			
3.00	4.87	72	33			
4.00	6.49	41	19			
5.00	8.11	26	12			

H[m]	D[m]	Max lux	Med lux	Beta=39.1°+39.1°	G=0.0	
1.00	1.63	651	298			
2.00	3.25	163	74			
3.00	4.88	72	33			
4.00	6.51	41	19			
5.00	8.13	26	12			

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Source Flux	1646 lm	Maximum value	395.40 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	19.9	20.9	20.1	21.1	21.3	19.8	20.9	20.1	21.1	21.3
x=2H y=3H	20.3	21.2	20.6	21.5	21.7	20.3	21.2	20.6	21.5	21.7
x=2H y=4H	20.5	21.3	20.8	21.6	21.9	20.4	21.3	20.8	21.6	21.8
x=2H y=6H	20.5	21.3	20.9	21.6	21.9	20.5	21.3	20.8	21.6	21.9
x=2H y=8H	20.5	21.3	20.9	21.6	21.9	20.5	21.3	20.9	21.6	21.9
x=2H y=12H	20.5	21.2	20.9	21.6	21.9	20.5	21.2	20.9	21.5	21.9
x=4H y=2H	19.9	20.8	20.3	21.1	21.3	19.9	20.8	20.3	21.1	21.3
x=4H y=3H	20.5	21.3	20.9	21.6	21.9	20.5	21.2	20.9	21.6	21.9
x=4H y=4H	20.8	21.4	21.2	21.7	22.1	20.8	21.4	21.1	21.7	22.1
x=4H y=6H	20.9	21.4	21.3	21.8	22.2	20.9	21.4	21.3	21.8	22.2
x=4H y=8H	20.9	21.4	21.3	21.8	22.2	20.9	21.4	21.3	21.8	22.2
x=4H y=12H	20.9	21.4	21.4	21.7	22.2	20.9	21.3	21.3	21.7	22.2
x=8H y=4H	20.8	21.3	21.2	21.7	22.1	20.8	21.3	21.2	21.7	22.1
x=8H y=6H	21.0	21.4	21.4	21.8	22.2	20.9	21.3	21.4	21.8	22.2
x=8H y=8H	21.0	21.4	21.5	21.8	22.3	21.0	21.3	21.4	21.8	22.2
x=8H y=12H	21.0	21.3	21.5	21.8	22.3	21.0	21.3	21.5	21.8	22.3
x=12H y=4H	20.8	21.2	21.2	21.6	22.0	20.8	21.2	21.2	21.6	22.0
x=12H y=6H	20.9	21.3	21.4	21.7	22.2	20.9	21.3	21.4	21.7	22.2
x=12H y=8H	21.0	21.3	21.5	21.8	22.3	21.0	21.3	21.5	21.7	22.2

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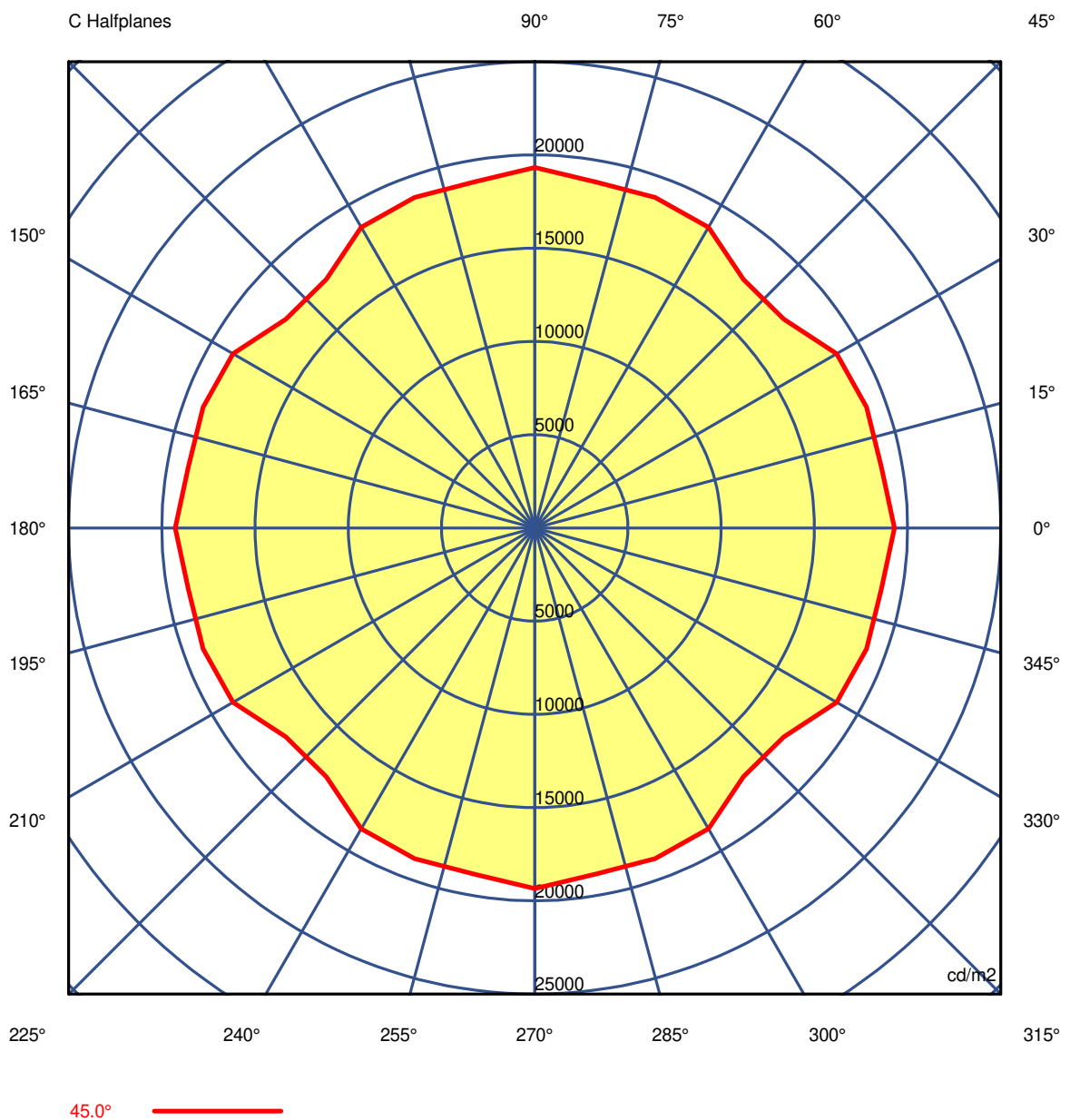
Measurem.

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Luminaire Flux	1105 lm	Luminaire Power	11.8 W	Efficacy	93.957 lm/W	Efficiency	67.13%
Source Flux	1646 lm	Maximum value	395.40 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



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Luminaire Flux	1105 lm		Luminaire Power		11.8 W		Efficacy		93.957 lm/W		Efficiency		67.13%	
Source Flux	1646 lm		Maximum value		395.40 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2														
Table 1/3														
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00	
G 0.0	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	
G 5.0	107213	105468	103903	102683	102233	102316	102840	103950	105476	107349	105476	103950	102840	
G 10.0	95115	91917	89616	88123	87349	87348	88100	89522	91786	94991	91786	89522	88100	
G 15.0	84390	80652	77890	76013	75197	75287	76176	77906	80593	84368	80593	77906	76176	
G 20.0	75192	71126	68203	66287	65443	65474	66362	68215	71180	75403	71180	68215	66362	
G 25.0	67091	62821	59826	57965	57179	57245	58154	60008	62958	67250	62958	60008	58154	
G 30.0	57987	54056	51456	49867	49009	49061	50012	51659	54241	58082	54241	51659	50012	
G 35.0	46591	43454	41616	40541	39669	39767	40786	41885	43658	46682	43658	41885	40786	
G 40.0	32205	30699	29872	29247	28473	28528	29408	30117	30962	32417	30962	30117	29408	
G 45.0	19288	18874	18943	18696	17430	17402	18625	18867	18840	19339	18840	18867	18625	
G 50.0	12317	11667	11451	11197	10453	10364	10963	11170	11484	12368	11484	11170	10963	
G 55.0	9163	8362	7830	7485	7297	7279	7417	7697	8249	9146	8249	7697	7417	
G 60.0	7820	6960	6404	6071	5916	5907	6044	6355	6897	7753	6897	6355	6044	
G 65.0	6439	5659	5151	4882	4840	4846	4895	5159	5647	6388	5647	5159	4895	
G 70.0	4797	4234	3864	3648	3583	3586	3648	3842	4207	4797	4207	3842	3648	
G 75.0	3371	2938	2666	2516	2467	2474	2530	2665	2908	3300	2908	2665	2530	
G 80.0	2054	1798	1627	1518	1498	1489	1491	1582	1766	2054	1766	1582	1491	
G 85.0	937	815	733	682	673	670	667	699	756	841	756	699	667	
G 90.0	121	137	115	88	108	105	74	79	81	81	81	79	74	

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Luminaire Flux		1105 lm		Luminaire Power		11.8 W		Efficacy		93.957 lm/W		Efficiency		67.13%											
Source Flux		1646 lm		Maximum value		395.40 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical											
Luminance cd/m2														Table 2/3											
C 130.00		C 140.00		C 150.00		C 160.00		C 170.00		C 180.00		C 190.00		C 200.00		C 210.00		C 220.00		C 230.00		C 240.00		C 250.00	
G 0.0	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130
G 5.0	102316	102233	102683	103903	105468	107213	105468	103903	102683	102233	102316	102840	103950	105468	107213	105468	103903	102683	102233	102316	102840	103950	105468	107213	105468
G 10.0	87348	87349	88123	89616	91917	95115	91917	89616	88123	87349	87348	88100	89522	87348	87349	88123	89616	91917	95115	91917	89616	88123	87349	87348	87348
G 15.0	75287	75197	76013	77890	80652	84390	80652	77890	76013	75197	75287	76176	77906	75287	75197	76013	77890	80652	84390	80652	77890	76013	75197	75287	75287
G 20.0	65474	65443	66287	68203	71126	75192	71126	68203	66287	65443	65474	66362	68215	65474	65443	66287	68203	71126	75192	71126	68203	66287	65443	65474	65474
G 25.0	57245	57179	57965	59826	62821	67091	62821	59826	57965	57179	57245	58154	60008	57245	57179	57965	59826	62821	67091	62821	59826	57965	57179	57245	57245
G 30.0	49061	49009	49867	51456	54056	57987	54056	49867	49009	49061	50012	51659	54056	49867	49009	49867	51456	54056	57987	54056	49867	49009	49061	49061	49061
G 35.0	39767	39669	40541	41616	43454	46591	43454	41616	40541	39669	39767	40786	41885	39669	39669	40541	41616	43454	46591	43454	41616	40541	39669	39767	39767
G 40.0	28528	28473	29247	29872	30699	32205	30699	29872	29247	28473	28528	29408	30117	28473	28473	29247	29872	30699	32205	30699	29872	29247	28473	28528	28528
G 45.0	17402	17430	18696	18943	18874	19288	18874	18943	18696	17430	17402	18625	18867	18696	17430	18696	18943	19288	18874	18943	18696	17430	17402	17402	17402
G 50.0	10364	10453	11197	11451	11667	12317	11667	11451	11197	10453	10364	10963	11170	11197	11197	11451	11667	12317	11667	11451	11197	10453	10364	10364	10364
G 55.0	7279	7297	7485	7830	8362	9163	8362	7830	7485	7297	7279	7417	7697	7297	7297	7485	7830	9163	8362	7830	7485	7297	7279	7279	7279
G 60.0	5907	5916	6071	6404	6960	7820	6960	6404	6071	5916	5907	6044	6355	5916	5916	6071	6404	7820	6960	6404	6071	5916	5907	5907	5907
G 65.0	4846	4840	4882	5151	5659	6439	5659	5151	4882	4840	4846	4895	5159	4840	4840	4882	5151	5659	6439	5659	4882	4840	4846	4846	4846
G 70.0	3586	3583	3648	3864	4234	4797	4234	3864	3648	3583	3586	3648	3842	3583	3583	3648	3864	4234	4797	4234	3864	3648	3583	3586	3586
G 75.0	2474	2467	2516	2666	2938	3371	2938	2666	2516	2467	2474	2530	2665	2467	2467	2516	2666	2938	3371	2938	2666	2516	2467	2474	2474
G 80.0	1489	1498	1518	1627	1798	2054	1798	1627	1518	1498	1489	1491	1582	1498	1498	1518	1627	1798	2054	1798	1627	1498	1489	1489	1489
G 85.0	670	673	682	733	815	937	815	733	682	673	670	667	699	673	673	682	733	815	937	815	733	673	670	670	670
G 90.0	105	108	88	115	137	121	137	115	88	108	105	74	79	108	108	105	88	115	137	137	115	108	105	105	105

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Source Flux	1646 lm	Maximum value	395.40 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	122130	122130	122130	122130	122130	122130	122130	122130	122130	122130
G 5.0	105476	107349	105476	103950	102840	102316	102233	102683	103903	105468
G 10.0	91786	94991	91786	89522	88100	87348	87349	88123	89616	91917
G 15.0	80593	84368	80593	77906	76176	75287	75197	76013	77890	80652
G 20.0	71180	75403	71180	68215	66362	65474	65443	66287	68203	71126
G 25.0	62958	67250	62958	60008	58154	57245	57179	57965	59826	62821
G 30.0	54241	58082	54241	51659	50012	49061	49009	49867	51456	54056
G 35.0	43658	46682	43658	41885	40786	39767	39669	40541	41616	43454
G 40.0	30962	32417	30962	30117	29408	28528	28473	29247	29872	30699
G 45.0	18840	19339	18840	18867	18625	17402	17430	18696	18943	18874
G 50.0	11484	12368	11484	11170	10963	10364	10453	11197	11451	11667
G 55.0	8249	9146	8249	7697	7417	7279	7297	7485	7830	8362
G 60.0	6897	7753	6897	6355	6044	5907	5916	6071	6404	6960
G 65.0	5647	6388	5647	5159	4895	4846	4840	4882	5151	5659
G 70.0	4207	4797	4207	3842	3648	3586	3583	3648	3864	4234
G 75.0	2908	3300	2908	2665	2530	2474	2467	2516	2666	2938
G 80.0	1766	2054	1766	1582	1491	1489	1498	1518	1627	1798
G 85.0	756	841	756	699	667	670	673	682	733	815
G 90.0	81	81	81	79	74	105	108	88	115	137