

Luminaire

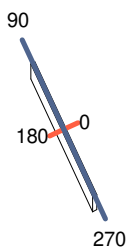
Code 90473L150
Name TTP 50 L1590 TUP 840 LO SENSOR

Measurem.

Code 4/7/2023
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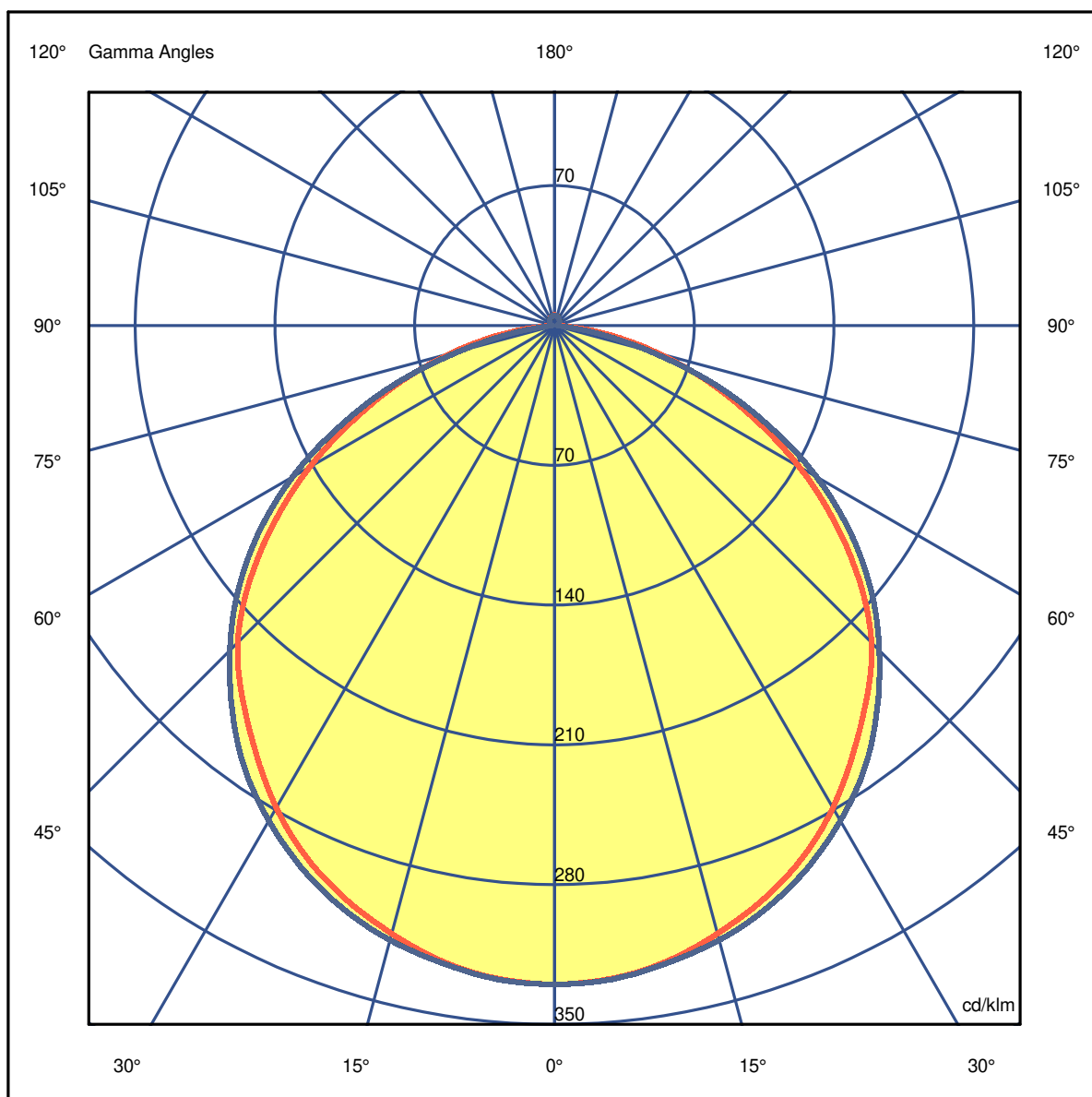
Luminaire Flux	4674 lm	Luminaire Power	26.1 W	Efficacy	179.416 lm/W	Efficiency	95.09%
Source Flux	4915 lm	Maximum value	330.00 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

1590mm x 50mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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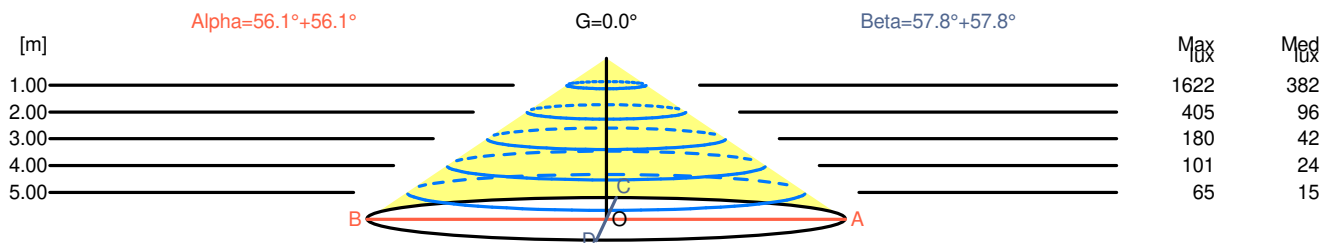
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Source Flux	4915 lm	Maximum value	330.00 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.49	2.97	4.46	5.95	7.43	OC	1.59	3.18	4.76	6.35	7.94
OB	1.49	2.97	4.46	5.95	7.43	OD	1.59	3.18	4.76	6.35	7.94

	0	5	15	25	35	45	55	65	75	85
OA	1621.95	1613.10	1549.21	1444.52	1282.82	1103.42	841.45	543.11	263.94	39.81
OB	1621.95	1613.10	1549.21	1444.52	1282.82	1103.42	841.45	543.11	263.94	39.81
OC	1621.95	1615.07	1565.92	1473.03	1330.49	1130.94	889.62	580.95	239.36	16.22
OD	1621.95	1615.07	1565.92	1473.03	1330.49	1130.94	889.62	580.95	239.36	16.22



H[m]	D[m]	Max lux	Med lux	Alpha=56.1°+56.1°	G=0.0
1.00	2.97	1622	382		
2.00	5.95	405	96		
3.00	8.92	180	42		
4.00	11.89	101	24		
5.00	14.86	65	15		

H[m]	D[m]	Max lux	Med lux	Beta=57.8°+57.8°	G=0.0
1.00	3.18	1622	382		
2.00	6.35	405	96		
3.00	9.53	180	42		
4.00	12.70	101	24		
5.00	15.88	65	15		

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Luminaire Flux	4674 lm	Luminaire Power	26.1 W	Efficacy	179.416 lm/W	Efficiency	95.09%
Source Flux	4915 lm	Maximum value	330.00 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	19.8	21.1	20.1	21.3	21.6	21.6	22.8	21.9	23.1	23.4
x=2H y=3H	20.7	21.8	21.0	22.2	22.5	22.8	24.0	23.2	24.3	24.6
x=2H y=4H	21.0	22.1	21.3	22.4	22.7	23.2	24.3	23.6	24.6	24.9
x=2H y=6H	21.1	22.1	21.5	22.4	22.8	23.4	24.4	23.8	24.7	25.1
x=2H y=8H	21.1	22.0	21.5	22.4	22.8	23.4	24.3	23.8	24.7	25.1
x=2H y=12H	21.0	22.0	21.5	22.3	22.7	23.3	24.3	23.7	24.6	25.0
x=4H y=2H	20.4	21.5	20.8	21.8	22.1	21.9	22.9	22.2	23.2	23.6
x=4H y=3H	21.4	22.4	21.8	22.7	23.1	23.2	24.2	23.7	24.5	24.9
x=4H y=4H	21.8	22.6	22.2	23.0	23.4	23.7	24.5	24.1	24.9	25.3
x=4H y=6H	22.0	22.7	22.4	23.1	23.5	23.9	24.6	24.4	25.0	25.5
x=4H y=8H	22.0	22.6	22.4	23.1	23.5	23.9	24.6	24.4	25.0	25.5
x=4H y=12H	22.0	22.6	22.4	23.0	23.5	23.9	24.5	24.4	25.0	25.4
x=8H y=4H	21.9	22.6	22.4	23.0	23.5	23.7	24.4	24.2	24.8	25.3
x=8H y=6H	22.2	22.7	22.7	23.2	23.7	24.0	24.5	24.5	25.0	25.5
x=8H y=8H	22.2	22.7	22.7	23.2	23.7	24.1	24.5	24.6	25.0	25.5
x=8H y=12H	22.2	22.6	22.8	23.1	23.7	24.1	24.5	24.6	25.0	25.5
x=12H y=4H	21.9	22.5	22.4	23.0	23.4	23.7	24.3	24.2	24.8	25.2
x=12H y=6H	22.2	22.7	22.7	23.1	23.7	24.0	24.5	24.5	24.9	25.5
x=12H y=8H	22.2	22.6	22.8	23.1	23.7	24.1	24.5	24.6	25.0	25.5

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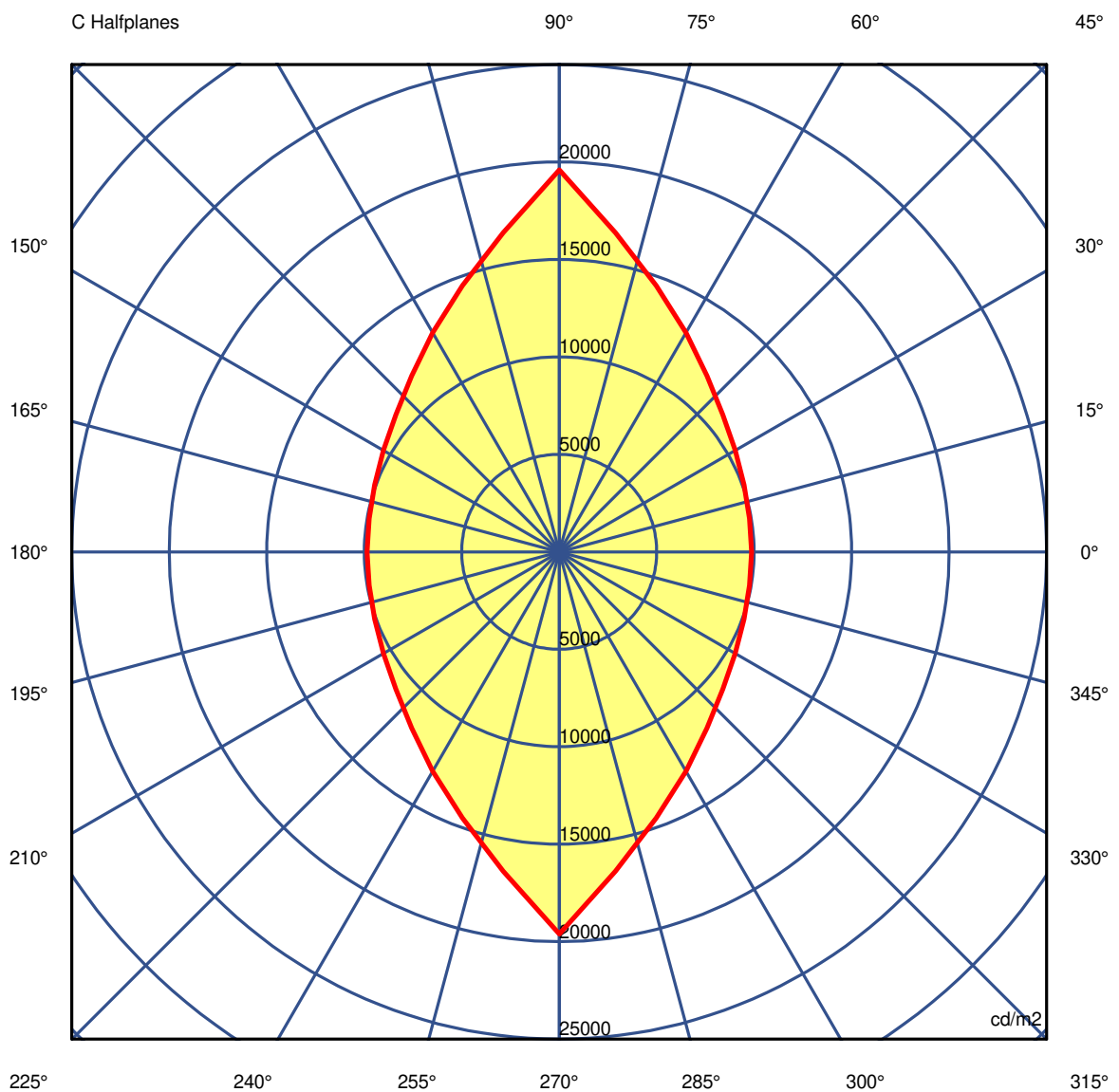
Measurem.

Code 4/7/2023

Name TTP 50 L1590 TUP 840 LO SENSOR

Luminaire Flux	4674 lm	Luminaire Power	26.1 W	Efficacy	179.416 lm/W	Efficiency	95.09%
Source Flux	4915 lm	Maximum value	330.00 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



Luminaire

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Measur.

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Luminaire Flux	4674 lm		Luminaire Power		26.1 W		Efficacy		179.416 lm/W		Efficiency		95.09%	
Source Flux	4915 lm		Maximum value		330.00 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	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	
G 5.0	18824	18833	18897	19005	19146	19341	19586	19823	20102	20440	20102	19823	19586	
G 10.0	17341	17370	17476	17659	17943	18293	18709	19195	19743	20342	19743	19195	18709	
G 15.0	15991	16024	16173	16448	16823	17314	17918	18612	19411	20323	19411	18612	17918	
G 20.0	14820	14868	15025	15308	15750	16367	17136	18018	19061	20298	19061	18018	17136	
G 25.0	13742	13777	13966	14303	14778	15455	16349	17415	18700	20249	18700	17415	16349	
G 30.0	12682	12737	12959	13336	13842	14571	15566	16789	18300	20174	18300	16789	15566	
G 35.0	11645	11700	11933	12343	12909	13683	14730	16108	17865	20089	17865	16108	14730	
G 40.0	10731	10786	10980	11338	11947	12781	13878	15365	17314	19857	17314	15365	13878	
G 45.0	9864	9902	10086	10423	10948	11791	12997	14534	16632	19600	16632	14534	12997	
G 50.0	8799	8856	9096	9493	10000	10763	11902	13490	15815	19293	15815	13490	11902	
G 55.0	7638	7693	7922	8357	9004	9746	10696	12288	14817	18761	14817	12288	10696	
G 60.0	6441	6495	6672	7036	7675	8478	9456	10908	13417	17850	13417	10908	9456	
G 65.0	5167	5170	5312	5620	6130	6975	8100	9344	11601	16276	11601	9344	8100	
G 70.0	3966	3976	4103	4336	4624	5225	6254	7212	9180	14092	9180	7212	6254	
G 75.0	2724	2737	2826	3010	3305	3695	4214	5036	6682	10458	6682	5036	4214	
G 80.0	1577	1576	1633	1747	1898	2105	2412	2902	3773	6008	3773	2902	2412	
G 85.0	465	490	505	534	642	822	1025	1177	1319	1728	1319	1177	1025	
G 90.0	155	157	163	176	198	232	283	352	509	2359	509	352	283	

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Source Flux		4915 lm		Maximum value		330.00 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	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505
G 5.0	19341	19146	19005	18897	18833	18824	18833	18897	19005	19146	19341	19586	19823	19915	20000	20146	20341	20586	20823	21015	21241	21478	21715	21952	22189	22426
G 10.0	18293	17943	17659	17476	17370	17341	17370	17476	17659	17943	18293	18709	19195	19681	20167	20653	21139	21625	22111	22597	23083	23569	24055	24541	25027	25513
G 15.0	17314	16823	16448	16173	16024	15991	16024	16173	16448	16823	17314	17918	18612	19306	19999	20693	21387	22081	22775	23469	24163	24857	25551	26245	26939	27633
G 20.0	16367	15750	15308	15025	14868	14820	14868	15025	15308	15750	16367	17136	18018	18900	19782	20664	21546	22428	23310	24192	25074	25956	26838	27720	28602	29484
G 25.0	15455	14778	14303	13966	13777	13742	13777	13966	14303	14778	15455	16349	17415	18481	19547	20613	21679	22745	23811	24877	25943	27009	28075	29141	30207	31273
G 30.0	14571	13842	13336	12959	12737	12682	12737	12959	13336	13842	14571	15566	16789	17912	19035	20158	21281	22404	23527	24650	25773	26896	28019	29142	30265	31388
G 35.0	13683	12909	12343	11933	11700	11645	11700	11933	12343	12909	13683	14730	16108	17486	18864	20242	21620	23000	24378	25756	27134	28512	29890	31268	32646	34024
G 40.0	12781	11947	11338	10980	10786	10731	10786	10980	11338	11947	12781	13878	15365	16852	18339	19826	21313	22800	24287	25774	27261	28748	30235	31722	33209	34696
G 45.0	11791	10948	10423	10086	9902	9864	9902	10086	10423	10948	11791	12997	14534	16071	17608	19145	20682	22219	23756	25293	26830	28367	29904	31441	32978	34515
G 50.0	10763	10000	9493	9096	8856	8799	8856	9096	9493	10000	10763	11902	13490	15078	16666	18254	19842	21430	23018	24606	26194	27782	29370	30958	32546	34134
G 55.0	9746	9004	8357	7922	7693	7638	7693	7922	8357	9004	9746	10696	12288	13880	15472	17064	18656	20248	21840	23432	25024	26616	28208	29800	31392	32984
G 60.0	8478	7675	7036	6672	6495	6441	6495	6672	7036	7675	8478	9456	10908	12360	13812	15264	16716	18168	19620	21072	22524	23976	25428	26880	28332	29784
G 65.0	6975	6130	5620	5312	5170	5167	5170	5312	5620	6130	6975	8100	9344	10588	11832	13076	14320	15564	16808	18052	19296	20540	21784	23028	24272	25516
G 70.0	5225	4624	4336	4103	3976	3966	3976	4103	4336	4624	5225	6254	7212	8170	9128	10086	11044	12002	12960	13918	14876	15834	16792	17750	18708	19666
G 75.0	3695	3305	3010	2826	2737	2724	2737	2826	3010	3305	3695	4214	5036	5858	6680	7502	8324	9146	9968	10790	11612	12434	13256	14078	14900	15722
G 80.0	2105	1898	1747	1633	1576	1577	1576	1633	1747	1898	2105	2412	2902	3392	3882	4372	4862	5352	5842	6332	6822	7312	7802	8292	8782	9272
G 85.0	822	642	534	505	490	465	490	505	534	642	822	1025	1177	1329	1481	1633	1785	1937	2089	2241	2393	2545	2697	2849	2999	3151
G 90.0	232	198	176	163	157	155	157	163	176	198	232	283	352	421	490	559	628	697	766	835	904	973	1042	1111	1180	1249

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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	20505	20505	20505	20505	20505	20505	20505	20505	20505	20505
G 5.0	20102	20440	20102	19823	19586	19341	19146	19005	18897	18833
G 10.0	19743	20342	19743	19195	18709	18293	17943	17659	17476	17370
G 15.0	19411	20323	19411	18612	17918	17314	16823	16448	16173	16024
G 20.0	19061	20298	19061	18018	17136	16367	15750	15308	15025	14868
G 25.0	18700	20249	18700	17415	16349	15455	14778	14303	13966	13777
G 30.0	18300	20174	18300	16789	15566	14571	13842	13336	12959	12737
G 35.0	17865	20089	17865	16108	14730	13683	12909	12343	11933	11700
G 40.0	17314	19857	17314	15365	13878	12781	11947	11338	10980	10786
G 45.0	16632	19600	16632	14534	12997	11791	10948	10423	10086	9902
G 50.0	15815	19293	15815	13490	11902	10763	10000	9493	9096	8856
G 55.0	14817	18761	14817	12288	10696	9746	9004	8357	7922	7693
G 60.0	13417	17850	13417	10908	9456	8478	7675	7036	6672	6495
G 65.0	11601	16276	11601	9344	8100	6975	6130	5620	5312	5170
G 70.0	9180	14092	9180	7212	6254	5225	4624	4336	4103	3976
G 75.0	6682	10458	6682	5036	4214	3695	3305	3010	2826	2737
G 80.0	3773	6008	3773	2902	2412	2105	1898	1747	1633	1576
G 85.0	1319	1728	1319	1177	1025	822	642	534	505	490
G 90.0	509	2359	509	352	283	232	198	176	163	157