

**Luminaire**

Code 90569L008

Name VEGA SQ IP /E Q100 LIGHT+ 940 LO

**Measurem.**

Code 10/2/2023

Name VEGA SQ IP /E Q100 LIGHT+ 940 LO

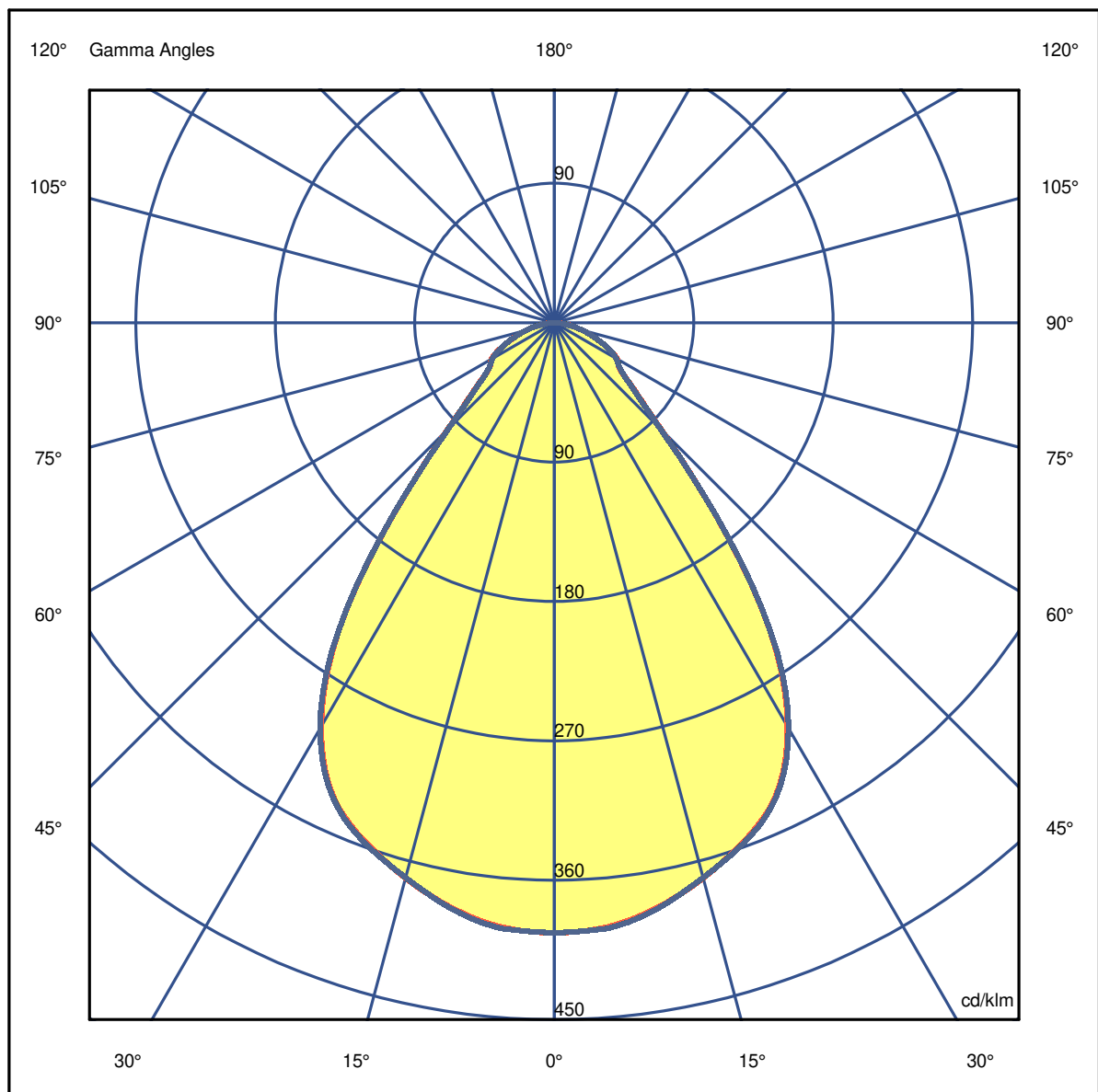
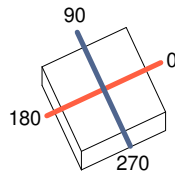
Luminaire Flux	700 lm	Luminaire Power	6.5 W	Efficacy	107.065 lm/W	Efficiency	66.88%
Source Flux	1047 lm	Maximum value	394.00 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ——— 0.0

270.0 ——— 90.0



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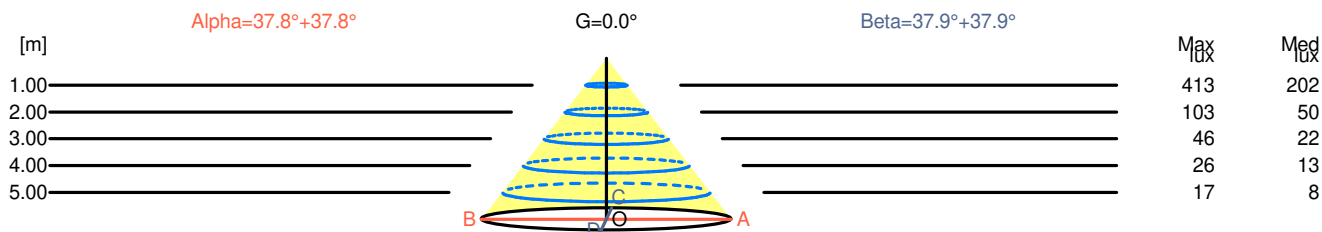
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Source Flux	1047 lm	Maximum value	394.00 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

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	0.78	1.55	2.33	3.11	3.88	OC	0.78	1.56	2.33	3.11	3.89
OB	0.78	1.55	2.33	3.11	3.88	OD	0.78	1.56	2.33	3.11	3.89

	0	5	15	25	35	45	55	65	75	85
OA	412.52	410.01	388.75	353.47	253.90	101.98	53.92	39.16	19.58	5.23
OB	412.52	410.01	388.75	353.47	253.90	101.98	53.92	39.16	19.58	5.23
OC	412.52	410.95	388.33	354.10	254.53	101.04	54.23	39.05	19.58	4.61
OD	412.52	410.95	388.33	354.10	254.53	101.04	54.23	39.05	19.58	4.61



H[m]	D[m]	Max lux	Med lux	Alpha=37.8°+37.8°	G=0.0
1.00	1.55	413	202		
2.00	3.11	103	50		
3.00	4.66	46	22		
4.00	6.21	26	13		
5.00	7.77	17	8		

H[m]	D[m]	Max lux	Med lux	Beta=37.9°+37.9°	G=0.0
1.00	1.56	413	202		
2.00	3.11	103	50		
3.00	4.67	46	22		
4.00	6.22	26	13		
5.00	7.78	17	8		

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Luminaire Flux	700 lm	Luminaire Power	6.5 W	Efficacy	107.065 lm/W	Efficiency	66.88%
Source Flux	1047 lm	Maximum value	394.00 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	18.2	19.2	18.5	19.4	19.6	18.2	19.2	18.5	19.4	19.6
x=2H y=3H	18.7	19.6	19.0	19.8	20.1	18.7	19.6	19.0	19.8	20.1
x=2H y=4H	18.8	19.7	19.2	20.0	20.2	18.8	19.7	19.2	20.0	20.2
x=2H y=6H	18.9	19.7	19.2	20.0	20.3	18.9	19.7	19.2	20.0	20.3
x=2H y=8H	18.9	19.7	19.3	20.0	20.3	18.9	19.7	19.3	20.0	20.3
x=2H y=12H	18.9	19.6	19.2	19.9	20.2	18.9	19.6	19.2	19.9	20.2
x=4H y=2H	18.3	19.2	18.6	19.4	19.7	18.3	19.2	18.6	19.4	19.7
x=4H y=3H	18.9	19.6	19.3	20.0	20.3	18.9	19.6	19.3	20.0	20.3
x=4H y=4H	19.1	19.8	19.5	20.1	20.5	19.1	19.8	19.5	20.1	20.5
x=4H y=6H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
x=4H y=8H	19.3	19.8	19.7	20.2	20.6	19.3	19.8	19.7	20.2	20.6
x=4H y=12H	19.3	19.7	19.7	20.1	20.6	19.3	19.7	19.7	20.1	20.6
x=8H y=4H	19.2	19.7	19.6	20.0	20.5	19.2	19.7	19.6	20.0	20.5
x=8H y=6H	19.4	19.7	19.8	20.2	20.6	19.3	19.7	19.8	20.2	20.6
x=8H y=8H	19.4	19.7	19.9	20.2	20.7	19.4	19.7	19.9	20.2	20.6
x=8H y=12H	19.4	19.7	19.9	20.2	20.7	19.4	19.7	19.9	20.1	20.6
x=12H y=4H	19.1	19.6	19.6	20.0	20.4	19.1	19.6	19.6	20.0	20.4
x=12H y=6H	19.3	19.7	19.8	20.1	20.6	19.3	19.7	19.8	20.1	20.6
x=12H y=8H	19.4	19.7	19.9	20.1	20.6	19.4	19.7	19.9	20.1	20.6

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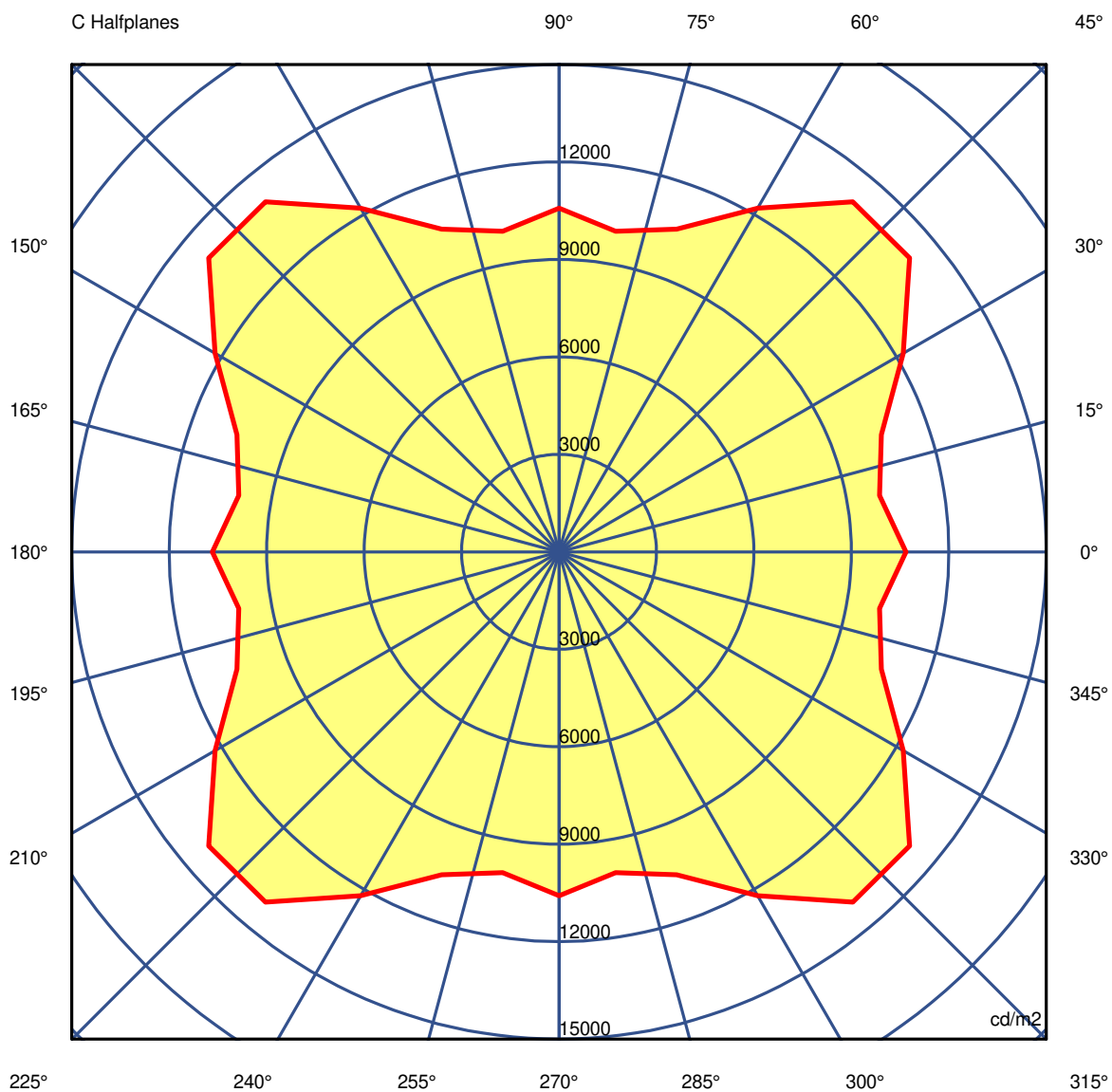
**Measurem.**

Code 10/2/2023

Name VEGA SQ IP /E Q100 LIGHT+ 940 LO

Luminaire Flux	700 lm	Luminaire Power	6.5 W	Efficacy	107.065 lm/W	Efficiency	66.88%
Source Flux	1047 lm	Maximum value	394.00 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux	700 lm	Luminaire Power		6.5 W		Efficacy		107.065 lm/W		Efficiency		66.88%	
Source Flux	1047 lm	Maximum value		394.00 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	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410
G 5.0	68092	66752	65807	65232	64931	64941	65249	65814	66801	68249	66801	65814	65249
G 10.0	60203	58281	56824	55836	55384	55443	55952	56871	58298	60297	58298	56871	55952
G 15.0	53521	51100	49366	48273	47776	47776	48273	49360	51075	53463	51075	49360	48273
G 20.0	47856	45160	43254	42010	41345	41368	42070	43325	45242	47963	45242	43325	42070
G 25.0	42663	39980	38032	36728	36099	36133	36805	38099	40037	42739	40037	38099	36805
G 30.0	36187	33818	32462	31874	31648	31709	32028	32639	33991	36367	33991	32639	32028
G 35.0	28040	26342	25829	26254	26870	26908	26361	25981	26482	28109	26482	25981	26361
G 40.0	18097	17226	17859	19599	21046	21084	19682	17924	17272	18164	17272	17924	19682
G 45.0	10679	10019	10555	12233	14079	14070	12224	10580	10026	10580	10026	10580	12224
G 50.0	7262	6674	6611	7087	7798	7782	7052	6583	6633	7165	6633	6583	7052
G 55.0	5528	5047	4840	4812	4809	4801	4795	4825	5048	5560	5048	4825	4795
G 60.0	5017	4461	4066	3802	3683	3675	3785	4050	4422	4953	4422	4050	3785
G 65.0	4053	3614	3327	3122	2977	2974	3114	3317	3604	4042	3604	3317	3114
G 70.0	3029	2685	2465	2320	2233	2232	2320	2471	2695	3040	2695	2471	2320
G 75.0	2111	1860	1701	1601	1544	1544	1601	1701	1860	2111	1860	1701	1601
G 80.0	1295	1142	1041	975	941	939	966	1024	1121	1271	1121	1024	966
G 85.0	608	520	471	443	425	417	425	451	490	535	490	451	425
G 90.0	90	77	70	66	64	61	56	60	66	77	66	60	56

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Luminaire Flux	700 lm		Luminaire Power		6.5 W		Efficacy		107.065 lm/W		Efficiency		66.88%	
Source Flux	1047 lm		Maximum value		394.00 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	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410	
G 5.0	64941	64931	65232	65807	66752	68092	66752	65807	65232	64931	64941	65249	65814	
G 10.0	55443	55384	55836	56824	58281	60203	58281	56824	55836	55384	55443	55952	56871	
G 15.0	47776	47776	48273	49366	51100	53521	51100	49366	48273	47776	47776	48273	49360	
G 20.0	41368	41345	42010	43254	45160	47856	45160	43254	42010	41345	41368	42070	43325	
G 25.0	36133	36099	36728	38032	39980	42663	39980	38032	36728	36099	36133	36805	38099	
G 30.0	31709	31648	31874	32462	33818	36187	33818	32462	31874	31648	31709	32028	32639	
G 35.0	26908	26870	26254	25829	26342	28040	26342	25829	26254	26870	26908	26361	25981	
G 40.0	21084	21046	19599	17859	17226	18097	17226	17859	19599	21046	21084	19682	17924	
G 45.0	14070	14079	12233	10555	10019	10679	10019	10555	12233	14079	14070	12224	10580	
G 50.0	7782	7798	7087	6611	6674	7262	6674	6611	7087	7798	7782	7052	6583	
G 55.0	4801	4809	4812	4840	5047	5528	5047	4840	4812	4809	4801	4795	4825	
G 60.0	3675	3683	3802	4066	4461	5017	4461	4066	3802	3683	3675	3785	4050	
G 65.0	2974	2977	3122	3327	3614	4053	3614	3327	3122	2977	2974	3114	3317	
G 70.0	2232	2233	2320	2465	2685	3029	2685	2465	2320	2233	2232	2320	2471	
G 75.0	1544	1544	1601	1701	1860	2111	1860	1701	1601	1544	1544	1601	1701	
G 80.0	939	941	975	1041	1142	1295	1142	1041	975	941	939	966	1024	
G 85.0	417	425	443	471	520	608	520	471	443	425	417	425	451	
G 90.0	61	64	66	70	77	90	77	70	66	64	61	56	60	

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Source Flux	1047 lm	Maximum value	394.00 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical
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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	77410	77410	77410	77410	77410	77410	77410	77410	77410	77410
G 5.0	66801	68249	66801	65814	65249	64941	64931	65232	65807	66752
G 10.0	58298	60297	58298	56871	55952	55443	55384	55836	56824	58281
G 15.0	51075	53463	51075	49360	48273	47776	47776	48273	49366	51100
G 20.0	45242	47963	45242	43325	42070	41368	41345	42010	43254	45160
G 25.0	40037	42739	40037	38099	36805	36133	36099	36728	38032	39980
G 30.0	33991	36367	33991	32639	32028	31709	31648	31874	32462	33818
G 35.0	26482	28109	26482	25981	26361	26908	26870	26254	25829	26342
G 40.0	17272	18164	17272	17924	19682	21084	21046	19599	17859	17226
G 45.0	10026	10580	10026	10580	12224	14070	14079	12233	10555	10019
G 50.0	6633	7165	6633	6583	7052	7782	7798	7087	6611	6674
G 55.0	5048	5560	5048	4825	4795	4801	4809	4812	4840	5047
G 60.0	4422	4953	4422	4050	3785	3675	3683	3802	4066	4461
G 65.0	3604	4042	3604	3317	3114	2974	2977	3122	3327	3614
G 70.0	2695	3040	2695	2471	2320	2232	2233	2320	2465	2685
G 75.0	1860	2111	1860	1701	1601	1544	1544	1601	1701	1860
G 80.0	1121	1271	1121	1024	966	939	941	975	1041	1142
G 85.0	490	535	490	451	425	417	425	443	471	520
G 90.0	66	77	66	60	56	61	64	66	70	77