

**Luminaire**

Code 90437L011

Name VEGA SQ /E Q100 LIGHT+ 940 MO

**Measurem.**

Code 10/2/2023

Name VEGA SQ /E Q100 LIGHT+ 940 MO

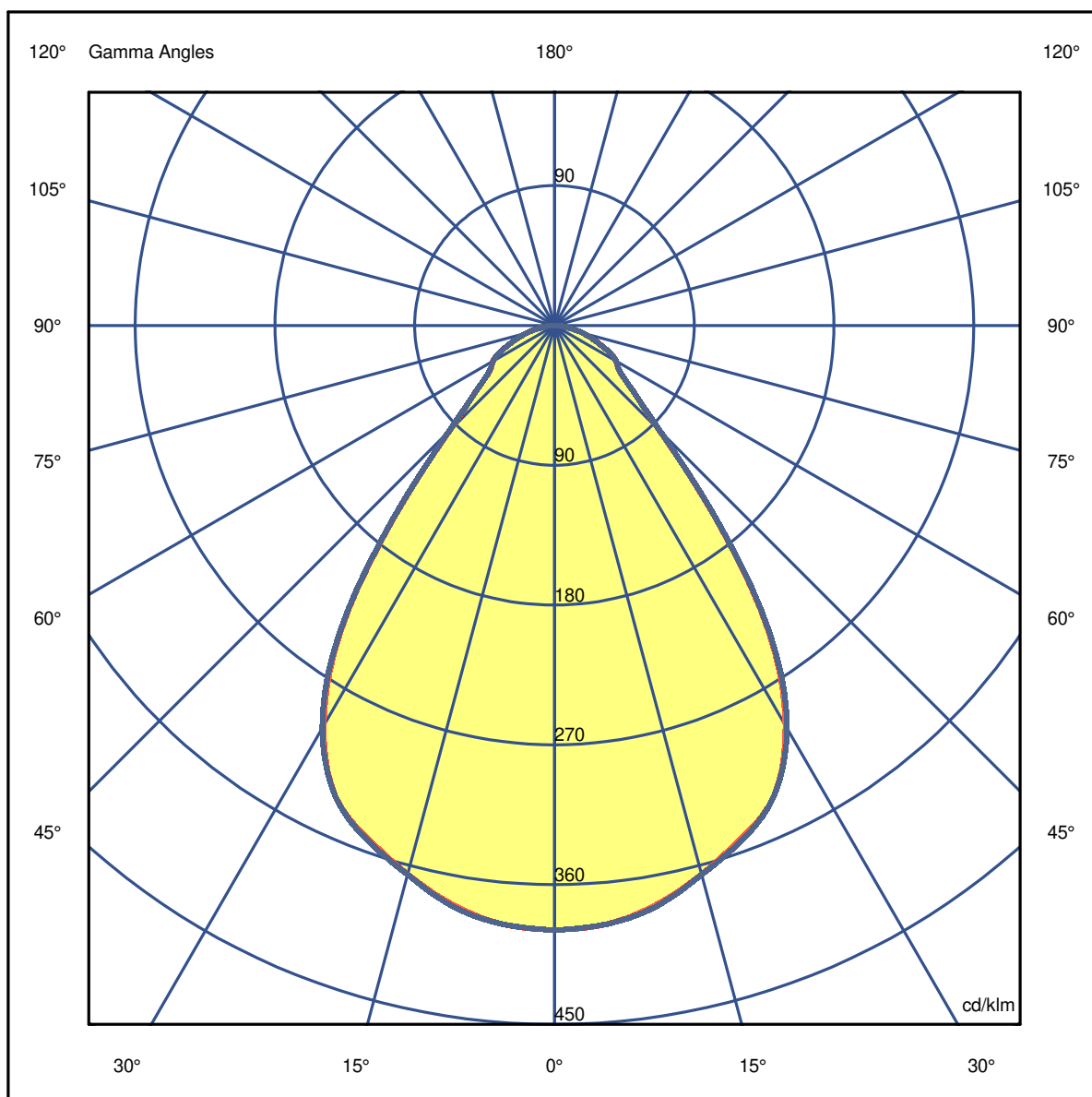
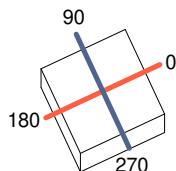
Luminaire Flux	858 lm	Luminaire Power	8.2 W	Efficacy	103.966 lm/W	Efficiency	66.13%
Source Flux	1297 lm	Maximum value	389.20 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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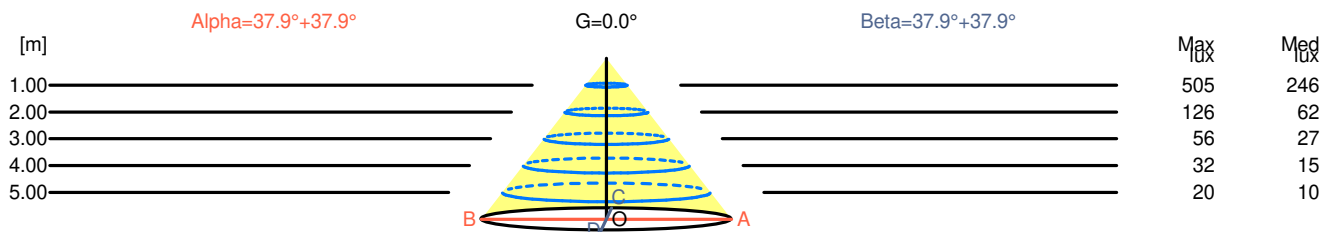
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Width at 50.00 % of Max Intensity

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	1.56	2.33	3.11	3.89	OC	0.78	1.56	2.34	3.12	3.90
OB	0.78	1.56	2.33	3.11	3.89	OD	0.78	1.56	2.34	3.12	3.90

	Luminous Intensities [ cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	504.79	501.68	474.31	433.33	311.28	123.86	65.89	47.86	23.99	6.36
OB	504.79	501.68	474.31	433.33	311.28	123.86	65.89	47.86	23.99	6.36
OC	504.79	501.68	474.70	433.46	313.36	124.90	66.54	47.86	23.99	5.71
OD	504.79	501.68	474.70	433.46	313.36	124.90	66.54	47.86	23.99	5.71



H[m]	D[m]	Max lux	Med lux	Alpha=37.9°+37.9°	G=0.0
1.00	1.56	505	246		
2.00	3.11	126	62		
3.00	4.67	56	27		
4.00	6.22	32	15		
5.00	7.78	20	10		

H[m]	D[m]	Max lux	Med lux	Beta=37.9°+37.9°	G=0.0
1.00	1.56	505	246		
2.00	3.12	126	62		
3.00	4.68	56	27		
4.00	6.24	32	15		
5.00	7.80	20	10		

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Source Flux	1297 lm	Maximum value	389.20 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	18.9	19.9	19.2	20.1	20.3	18.9	19.9	19.2	20.1	20.3
x=2H y=3H	19.4	20.3	19.7	20.5	20.8	19.4	20.3	19.7	20.5	20.8
x=2H y=4H	19.5	20.4	19.8	20.6	20.9	19.5	20.4	19.9	20.7	20.9
x=2H y=6H	19.6	20.4	19.9	20.7	21.0	19.6	20.4	19.9	20.7	21.0
x=2H y=8H	19.6	20.4	19.9	20.7	21.0	19.6	20.4	19.9	20.7	21.0
x=2H y=12H	19.6	20.3	19.9	20.6	20.9	19.6	20.3	20.0	20.6	20.9
x=4H y=2H	19.0	19.9	19.3	20.1	20.4	19.0	19.9	19.3	20.1	20.4
x=4H y=3H	19.6	20.3	20.0	20.6	21.0	19.6	20.3	20.0	20.7	21.0
x=4H y=4H	19.8	20.5	20.2	20.8	21.2	19.8	20.5	20.2	20.8	21.2
x=4H y=6H	20.0	20.5	20.4	20.9	21.3	20.0	20.5	20.4	20.9	21.3
x=4H y=8H	20.0	20.5	20.4	20.9	21.3	20.0	20.5	20.4	20.9	21.3
x=4H y=12H	20.0	20.4	20.4	20.8	21.3	20.0	20.4	20.4	20.8	21.3
x=8H y=4H	19.9	20.4	20.3	20.7	21.1	19.9	20.4	20.3	20.7	21.1
x=8H y=6H	20.1	20.4	20.5	20.9	21.3	20.1	20.4	20.5	20.9	21.3
x=8H y=8H	20.1	20.4	20.5	20.9	21.3	20.1	20.4	20.5	20.9	21.3
x=8H y=12H	20.1	20.4	20.6	20.9	21.3	20.1	20.4	20.6	20.9	21.3
x=12H y=4H	19.9	20.3	20.3	20.7	21.1	19.9	20.3	20.3	20.7	21.1
x=12H y=6H	20.0	20.4	20.5	20.8	21.3	20.0	20.4	20.5	20.8	21.3
x=12H y=8H	20.1	20.4	20.6	20.8	21.3	20.1	20.4	20.6	20.9	21.3

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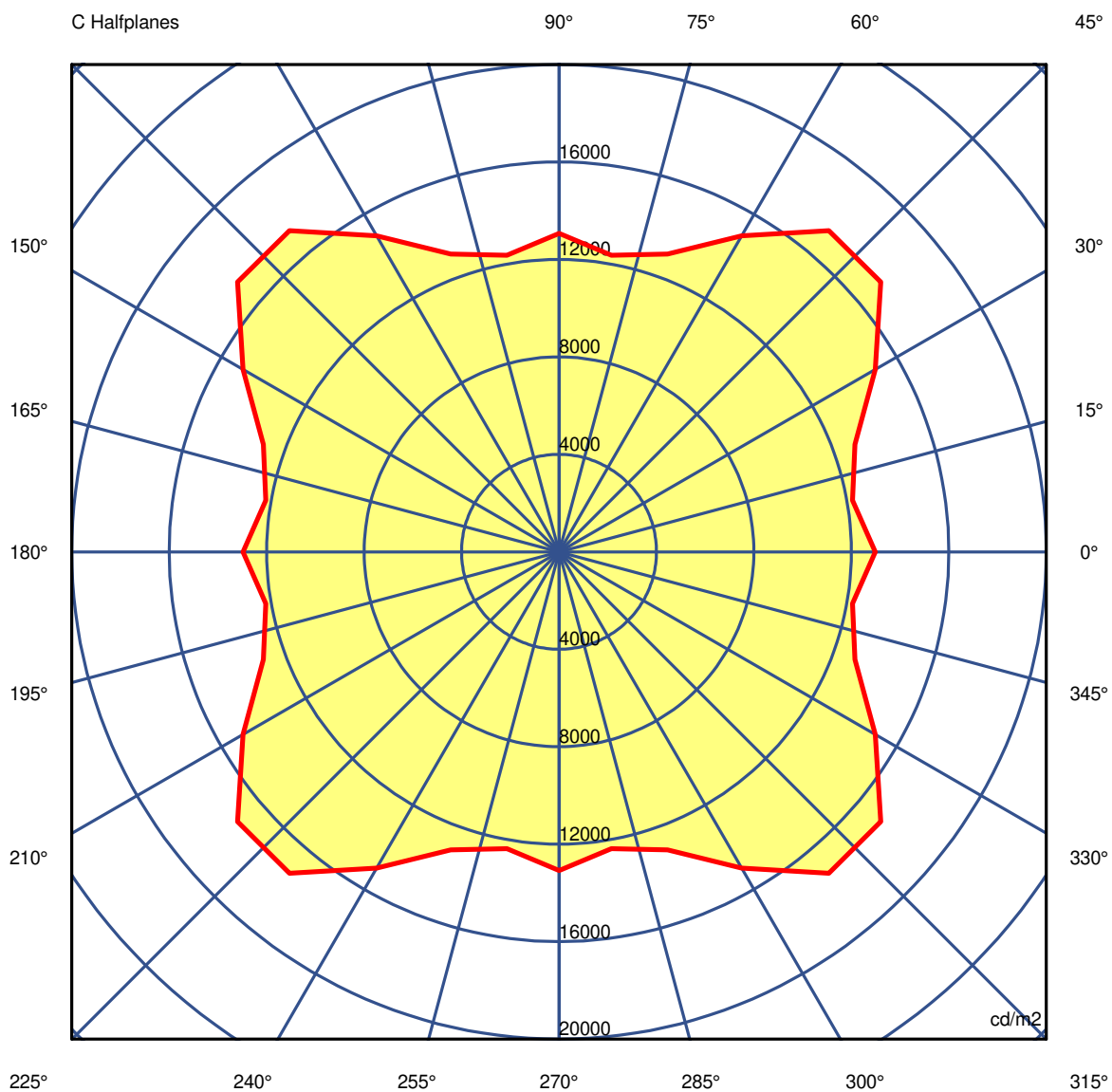
**Measurem.**

Code 10/2/2023

Name VEGA SQ /E Q100 LIGHT+ 940 MO

Luminaire Flux	858 lm	Luminaire Power	8.2 W	Efficacy	103.966 lm/W	Efficiency	66.13%
Source Flux	1297 lm	Maximum value	389.20 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux		858 lm		Luminaire Power		8.2 W		Efficacy		103.966 lm/W		Efficiency		66.13%	
Source Flux		1297 lm		Maximum value		389.20 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	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726
G 5.0	83317	81784	80615	79817	79339	79433	80003	80697	81784	83317	81784	80697	80003	80697	80003
G 10.0	73625	71342	69603	68374	67731	67816	68536	69648	71361	73819	71361	69648	68536	69648	68536
G 15.0	65301	62498	60405	58992	58349	58471	59250	60560	62545	65354	62545	60560	59250	60560	59250
G 20.0	58418	55269	53010	51469	50631	50643	51513	53106	55431	58618	55431	53106	51513	53106	51513
G 25.0	52302	48909	46575	45077	44235	44242	45131	46735	49055	52318	49055	46735	45131	46735	45131
G 30.0	44291	41486	39795	38963	38637	38742	39205	40008	41681	44574	41681	40008	39205	40008	39205
G 35.0	34377	32253	31645	32186	32863	32903	32295	31795	32438	34606	32438	31795	32295	32438	32295
G 40.0	22182	21095	21874	24002	25738	25811	24163	21989	21181	22335	21181	21989	24163	21989	24163
G 45.0	12971	12225	12914	14976	17229	17222	14987	13010	12367	13079	12367	13010	14987	13010	14987
G 50.0	8889	8185	8099	8671	9563	9565	8671	8084	8157	8862	8157	8084	8671	8084	8671
G 55.0	6755	6180	5925	5898	5934	5931	5887	5908	6185	6821	6185	5908	5887	5908	5887
G 60.0	6122	5473	4989	4647	4496	4499	4647	4966	5433	6082	5433	4966	4647	4966	4647
G 65.0	4953	4417	4066	3815	3636	3635	3815	4074	4430	4953	4430	4074	3815	4074	3815
G 70.0	3698	3278	3008	2843	2735	2739	2854	3019	3290	3711	3290	3019	2854	3019	2854
G 75.0	2587	2279	2085	1961	1890	1895	1972	2086	2279	2587	2279	2086	1972	2086	1972
G 80.0	1589	1391	1265	1186	1152	1152	1186	1257	1373	1546	1373	1257	1186	1257	1186
G 85.0	738	642	583	548	517	511	526	559	606	663	606	559	526	559	526
G 90.0	111	96	87	81	79	75	70	74	82	95	82	74	70	74	70

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Source Flux	1297 lm	Maximum value		389.20 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	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726
G 5.0	79433	79339	79817	80615	81784	83317	81784	80615	79817	79339	79433	80003	80697
G 10.0	67816	67731	68374	69603	71342	73625	71342	69603	68374	67731	67816	68536	69648
G 15.0	58471	58349	58992	60405	62498	65301	62498	60405	58992	58349	58471	59250	60560
G 20.0	50643	50631	51469	53010	55269	58418	55269	53010	51469	50631	50643	51513	53106
G 25.0	44242	44235	45077	46575	48909	52302	48909	46575	45077	44235	44242	45131	46735
G 30.0	38742	38637	38963	39795	41486	44291	41486	39795	38963	38637	38742	39205	40008
G 35.0	32903	32863	32186	31645	32253	34377	32253	31645	32186	32863	32903	32295	31795
G 40.0	25811	25738	24002	21874	21095	22182	21095	21874	24002	25738	25811	24163	21989
G 45.0	17222	17229	14976	12914	12225	12971	12225	12914	14976	17229	17222	14987	13010
G 50.0	9565	9563	8671	8099	8185	8889	8185	8099	8671	9563	9565	8671	8084
G 55.0	5931	5934	5898	5925	6180	6755	6180	5925	5898	5934	5931	5887	5908
G 60.0	4499	4496	4647	4989	5473	6122	5473	4989	4647	4496	4499	4647	4966
G 65.0	3635	3636	3815	4066	4417	4953	4417	4066	3815	3636	3635	3815	4074
G 70.0	2739	2735	2843	3008	3278	3698	3278	3008	2843	2735	2739	2854	3019
G 75.0	1895	1890	1961	2085	2279	2587	2279	2085	1961	1890	1895	1972	2086
G 80.0	1152	1152	1186	1265	1391	1589	1391	1265	1186	1152	1152	1186	1257
G 85.0	511	517	548	583	642	738	642	583	548	517	511	526	559
G 90.0	75	79	81	87	96	111	96	87	81	79	75	70	74

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Source Flux	1297 lm	Maximum value	389.20 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	94726	94726	94726	94726	94726	94726	94726	94726	94726	94726
G 5.0	81784	83317	81784	80697	80003	79433	79339	79817	80615	81784
G 10.0	71361	73819	71361	69648	68536	67816	67731	68374	69603	71342
G 15.0	62545	65354	62545	60560	59250	58471	58349	58992	60405	62498
G 20.0	55431	58618	55431	53106	51513	50643	50631	51469	53010	55269
G 25.0	49055	52318	49055	46735	45131	44242	44235	45077	46575	48909
G 30.0	41681	44574	41681	40008	39205	38742	38637	38963	39795	41486
G 35.0	32438	34606	32438	31795	32295	32903	32863	32186	31645	32253
G 40.0	21181	22335	21181	21989	24163	25811	25738	24002	21874	21095
G 45.0	12367	13079	12367	13010	14987	17222	17229	14976	12914	12225
G 50.0	8157	8862	8157	8084	8671	9565	9563	8671	8099	8185
G 55.0	6185	6821	6185	5908	5887	5931	5934	5898	5925	6180
G 60.0	5433	6082	5433	4966	4647	4499	4496	4647	4989	5473
G 65.0	4430	4953	4430	4074	3815	3635	3636	3815	4066	4417
G 70.0	3290	3711	3290	3019	2854	2739	2735	2843	3008	3278
G 75.0	2279	2587	2279	2086	1972	1895	1890	1961	2085	2279
G 80.0	1373	1546	1373	1257	1186	1152	1152	1186	1265	1391
G 85.0	606	663	606	559	526	511	517	548	583	642
G 90.0	82	95	82	74	70	75	79	81	87	96