

Luminaire

Code 90444L015

Name VEGA SQ Q100 LIGHT+ 930 HO

Measurem.

Code 15/2/2023

Name VEGA SQ Q100 LIGHT+ 930 HO

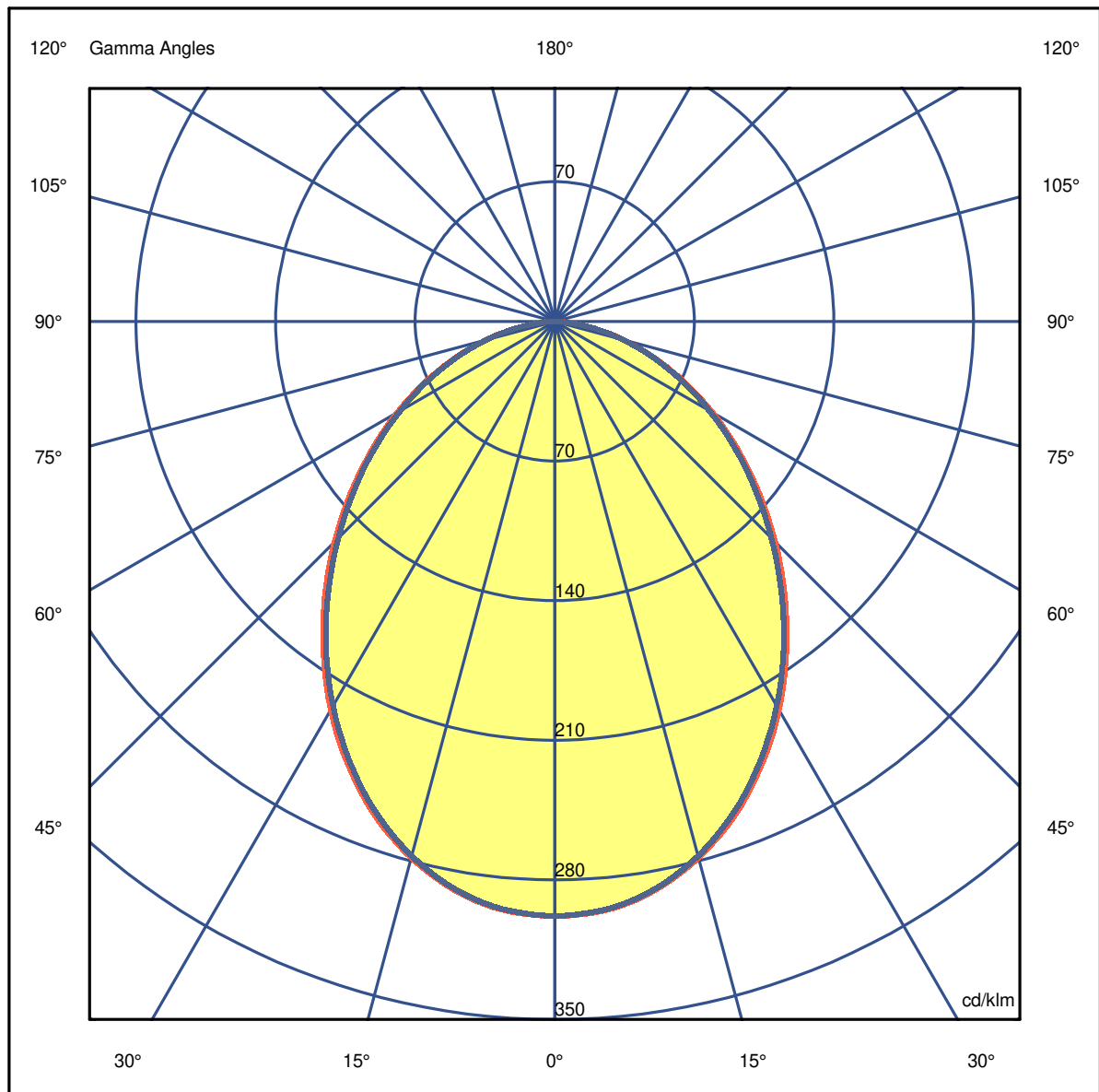
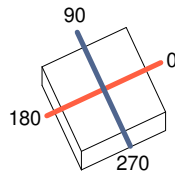
Luminaire Flux	1124 lm	Luminaire Power	13.8 W	Efficacy	81.240 lm/W	Efficiency	68.26%
Source Flux	1646 lm	Maximum value	298.20 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ————— 0.0

270.0 ————— 90.0



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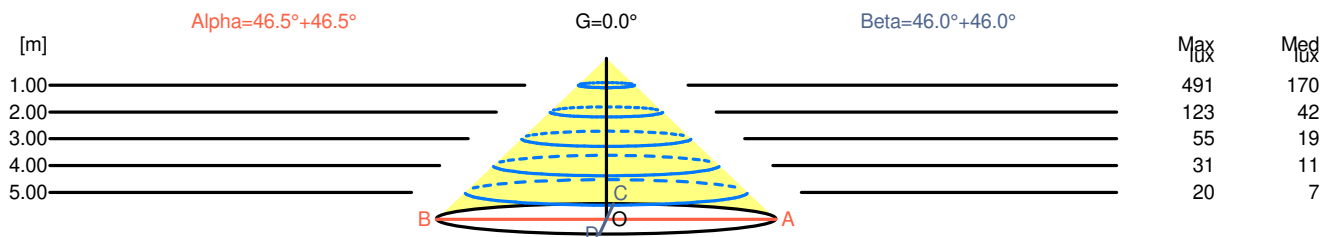
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Source Flux	1646 lm	Maximum value	298.20 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.06	2.11	3.17	4.22	5.28	OC	1.04	2.07	3.11	4.14	5.18
OB	1.06	2.11	3.17	4.22	5.28	OD	1.04	2.07	3.11	4.14	5.18

	0	5	15	25	35	45	55	65	75	85
OA	490.84	487.55	458.08	403.76	332.99	257.11	184.19	117.52	58.76	10.86
OB	490.84	487.55	458.08	403.76	332.99	257.11	184.19	117.52	58.76	10.86
OC	490.84	486.89	456.60	400.64	329.20	252.83	181.06	115.71	58.27	9.88
OD	490.84	486.89	456.60	400.64	329.20	252.83	181.06	115.71	58.27	9.88



H[m]	D[m]	Max lux	Med lux	Alpha=46.5°+46.5°	G=0.0	
1.00	2.11	491	170			
2.00	4.22	123	42			
3.00	6.33	55	19			
4.00	8.44	31	11			
5.00	10.55	20	7			

H[m]	D[m]	Max lux	Med lux	Beta=46.0°+46.0°	G=0.0	
1.00	2.07	491	170			
2.00	4.14	123	42			
3.00	6.21	55	19			
4.00	8.28	31	11			
5.00	10.35	20	7			

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Source Flux	1646 lm	Maximum value	298.20 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	20.5	21.8	20.8	22.0	22.2	20.5	21.7	20.7	21.9	22.1
x=2H y=3H	21.4	22.5	21.7	22.7	23.0	21.3	22.4	21.6	22.7	22.9
x=2H y=4H	21.6	22.7	21.9	22.9	23.2	21.5	22.6	21.9	22.9	23.1
x=2H y=6H	21.7	22.7	22.1	23.0	23.3	21.7	22.6	22.0	22.9	23.2
x=2H y=8H	21.7	22.7	22.1	23.0	23.3	21.7	22.6	22.0	22.9	23.2
x=2H y=12H	21.7	22.6	22.1	22.9	23.3	21.6	22.5	22.0	22.9	23.2
x=4H y=2H	20.9	21.9	21.2	22.2	22.5	20.8	21.8	21.1	22.1	22.4
x=4H y=3H	21.8	22.7	22.2	23.1	23.4	21.8	22.7	22.1	23.0	23.3
x=4H y=4H	22.2	22.9	22.6	23.3	23.7	22.1	22.9	22.5	23.3	23.6
x=4H y=6H	22.3	23.0	22.8	23.4	23.8	22.3	23.0	22.7	23.4	23.8
x=4H y=8H	22.4	23.0	22.8	23.4	23.8	22.3	23.0	22.8	23.3	23.8
x=4H y=12H	22.4	22.9	22.8	23.3	23.8	22.3	22.9	22.7	23.3	23.7
x=8H y=4H	22.3	22.9	22.7	23.3	23.7	22.2	22.8	22.6	23.2	23.6
x=8H y=6H	22.5	23.0	23.0	23.4	23.9	22.4	23.0	22.9	23.4	23.8
x=8H y=8H	22.5	23.0	23.0	23.4	23.9	22.5	22.9	22.9	23.4	23.8
x=8H y=12H	22.5	22.9	23.0	23.4	23.9	22.5	22.9	23.0	23.3	23.8
x=12H y=4H	22.2	22.8	22.7	23.2	23.6	22.2	22.7	22.6	23.1	23.6
x=12H y=6H	22.5	22.9	22.9	23.4	23.8	22.4	22.9	22.9	23.3	23.8
x=12H y=8H	22.5	22.9	23.0	23.4	23.9	22.5	22.9	23.0	23.3	23.8

Luminaire

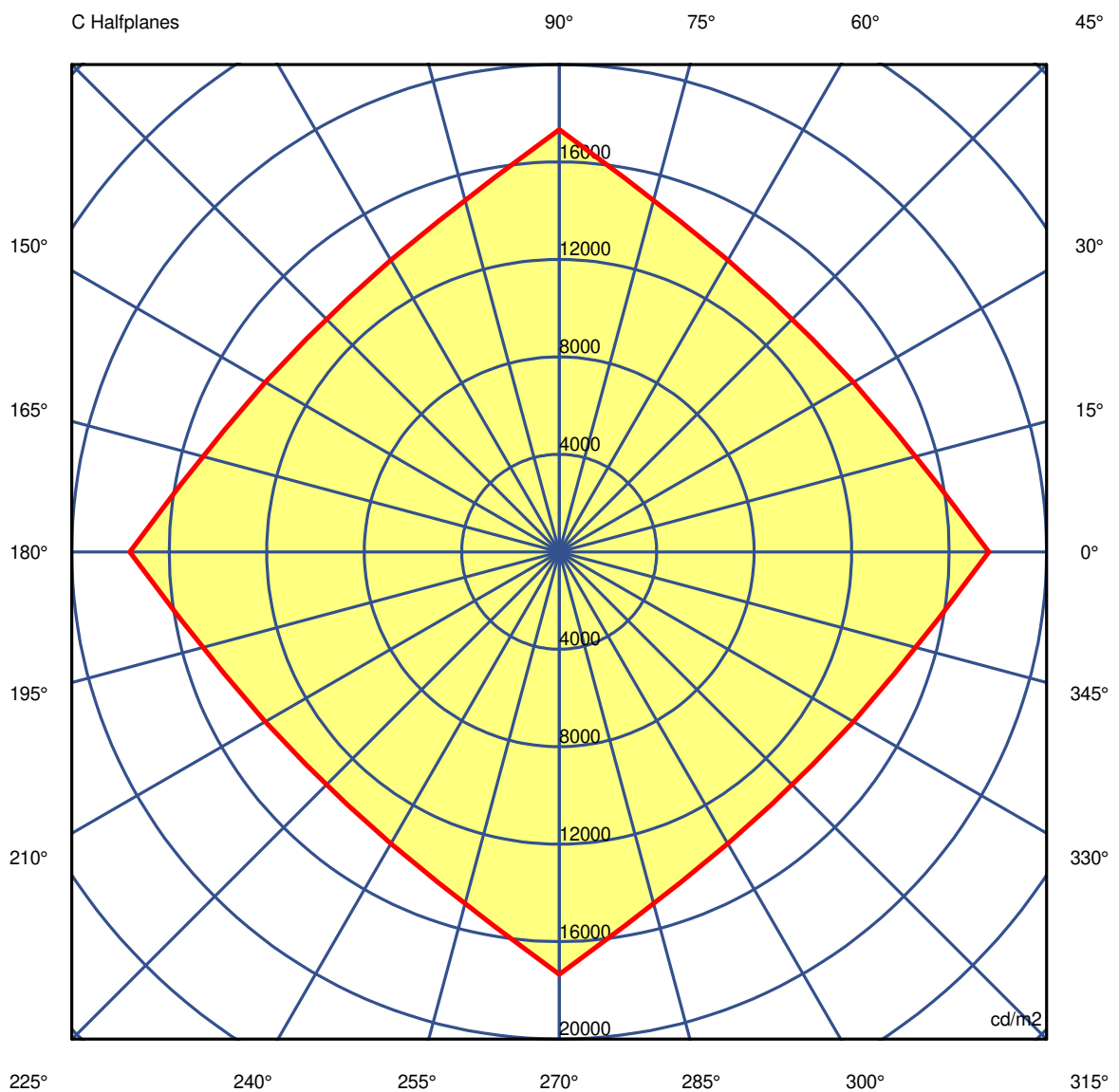
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Luminaire Flux	1124 lm	Luminaire Power	13.8 W	Efficacy	81.240 lm/W	Efficiency	68.26%
Source Flux	1646 lm	Maximum value	298.20 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Source Flux		1646 lm		Maximum value		298.20 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	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260
G 5.0	70547	68457	66932	65934	65408	65394	65889	66887	68401	70452	68401	66887	65889	65408	65394
G 10.0	58510	55627	53599	52306	51650	51629	52251	53528	55540	58388	55540	53528	52306	51650	51629
G 15.0	49174	46090	43953	42604	41932	41924	42573	43880	45978	49015	45978	43880	42604	41932	41924
G 20.0	41655	38597	36515	35212	34560	34526	35119	36378	38420	41418	38420	36378	35212	34560	34526
G 25.0	35303	32423	30491	29289	28682	28651	29193	30330	32210	35029	32210	30330	29289	28682	28651
G 30.0	29909	27251	25498	24423	23880	23849	24325	25324	27017	29603	27017	25324	24423	23880	23849
G 35.0	25204	22826	21282	20343	19859	19817	20222	21093	22595	24918	22595	21093	20343	19859	19817
G 40.0	21167	19041	17683	16874	16460	16419	16761	17517	18813	20848	18813	17517	16874	16460	16419
G 45.0	17629	15796	14630	13932	13573	13536	13825	14457	15563	17336	15563	14457	13932	13573	13536
G 50.0	14546	12982	11987	11395	11094	11065	11310	11846	12787	14307	12787	11846	11395	11094	11065
G 55.0	11873	10541	9700	9204	8966	8926	9097	9558	10374	11671	10374	9558	9204	8966	8926
G 60.0	9489	8386	7701	7302	7106	7098	7270	7628	8266	9322	8266	7628	7302	7106	7098
G 65.0	7358	6474	5934	5626	5478	5467	5595	5884	6399	7245	6399	5884	5626	5478	5467
G 70.0	5425	4761	4354	4127	4023	4011	4096	4315	4709	5353	4709	4315	4023	4011	4096
G 75.0	3685	3222	2943	2797	2730	2731	2797	2939	3203	3654	3203	2939	2797	2730	2731
G 80.0	2090	1830	1681	1603	1564	1561	1595	1678	1831	2090	1831	1678	1603	1564	1561
G 85.0	704	600	552	535	521	519	528	534	563	640	563	534	535	521	519
G 90.0	88	76	68	64	62	62	64	68	76	88	76	68	64	62	62

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Source Flux	1646 lm		Maximum value		298.20 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	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260
G 5.0	65394	65408	65934	66932	68457	70547	68457	66932	65934	65408	65394	65889	66887	68270
G 10.0	51629	51650	52306	53599	55627	58510	55627	53599	52306	51650	51629	52251	53528	55825
G 15.0	41924	41932	42604	43953	46090	49174	46090	43953	42604	41932	41924	42573	43880	46000
G 20.0	34526	34560	35212	36515	38597	41655	38597	36515	35212	34560	34526	35119	36378	38500
G 25.0	28651	28682	29289	30491	32423	35303	32423	30491	29289	28682	28651	29193	30330	32400
G 30.0	23849	23880	24423	25498	27251	29909	27251	25498	24423	23880	23849	24325	25324	27400
G 35.0	19817	19859	20343	21282	22826	25204	22826	21282	20343	19859	19817	20222	21093	23100
G 40.0	16419	16460	16874	17683	19041	21167	19041	17683	16874	16460	16419	16761	17517	19600
G 45.0	13536	13573	13932	14630	15796	17629	15796	14630	13932	13573	13536	13825	14457	16500
G 50.0	11065	11094	11395	11987	12982	14546	12982	11987	11395	11094	11065	11310	11846	13900
G 55.0	8926	8966	9204	9700	10541	11873	10541	9700	9204	8966	8926	9097	9558	11600
G 60.0	7098	7106	7302	7701	8386	9489	8386	7701	7302	7106	7098	7270	7628	9600
G 65.0	5467	5478	5626	5934	6474	7358	6474	5934	5626	5478	5467	5595	5884	7800
G 70.0	4011	4023	4127	4354	4761	5425	4761	4354	4127	4023	4011	4096	4315	6200
G 75.0	2731	2730	2797	2943	3222	3685	3222	2943	2797	2730	2731	2797	2939	4800
G 80.0	1561	1564	1603	1681	1830	2090	1830	1681	1603	1564	1561	1595	1678	3400
G 85.0	519	521	535	552	600	704	600	552	535	521	519	528	534	1600
G 90.0	62	62	64	68	76	88	76	68	64	62	62	64	68	1000

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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	87260	87260	87260	87260	87260	87260	87260	87260	87260	87260
G 5.0	68401	70452	68401	66887	65889	65394	65408	65934	66932	68457
G 10.0	55540	58388	55540	53528	52251	51629	51650	52306	53599	55627
G 15.0	45978	49015	45978	43880	42573	41924	41932	42604	43953	46090
G 20.0	38420	41418	38420	36378	35119	34526	34560	35212	36515	38597
G 25.0	32210	35029	32210	30330	29193	28651	28682	29289	30491	32423
G 30.0	27017	29603	27017	25324	24325	23849	23880	24423	25498	27251
G 35.0	22595	24918	22595	21093	20222	19817	19859	20343	21282	22826
G 40.0	18813	20848	18813	17517	16761	16419	16460	16874	17683	19041
G 45.0	15563	17336	15563	14457	13825	13536	13573	13932	14630	15796
G 50.0	12787	14307	12787	11846	11310	11065	11094	11395	11987	12982
G 55.0	10374	11671	10374	9558	9097	8926	8966	9204	9700	10541
G 60.0	8266	9322	8266	7628	7270	7098	7106	7302	7701	8386
G 65.0	6399	7245	6399	5884	5595	5467	5478	5626	5934	6474
G 70.0	4709	5353	4709	4315	4096	4011	4023	4127	4354	4761
G 75.0	3203	3654	3203	2939	2797	2731	2730	2797	2943	3222
G 80.0	1831	2090	1831	1678	1595	1561	1564	1603	1681	1830
G 85.0	563	640	563	534	528	519	521	535	552	600
G 90.0	76	88	76	68	64	62	62	64	68	76