

Luminaire

Code 90444L015

Name VEGA SQ Q100 LIGHT+ 940 HO

Measurem.

Code 16/2/2023

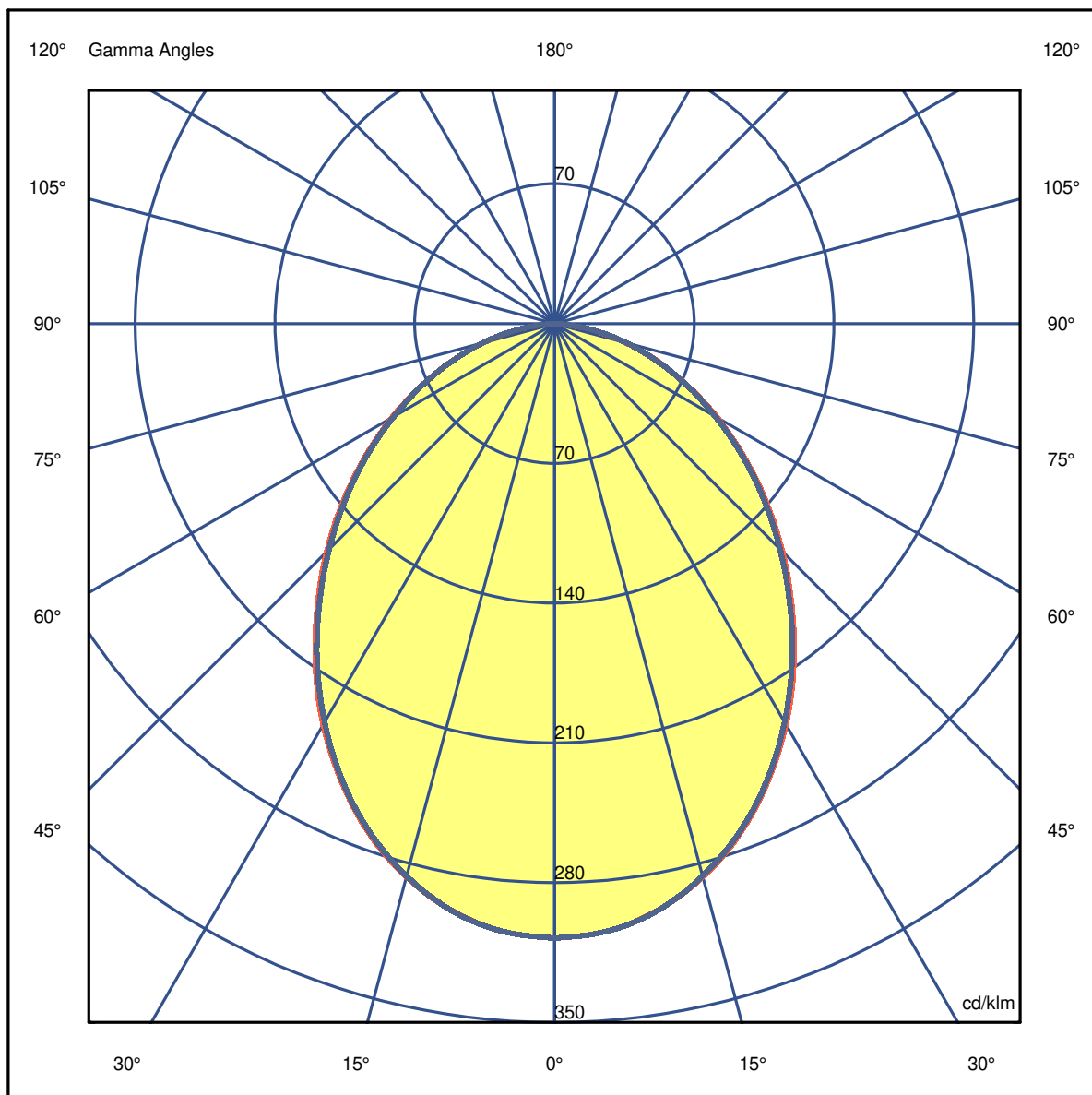
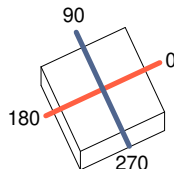
Name VEGA SQ Q100 LIGHT+ 940 HO

Luminaire Flux	1253 lm	Luminaire Power	13.8 W	Efficacy	90.597 lm/W	Efficiency	70.67%
Source Flux	1773 lm	Maximum value	307.70 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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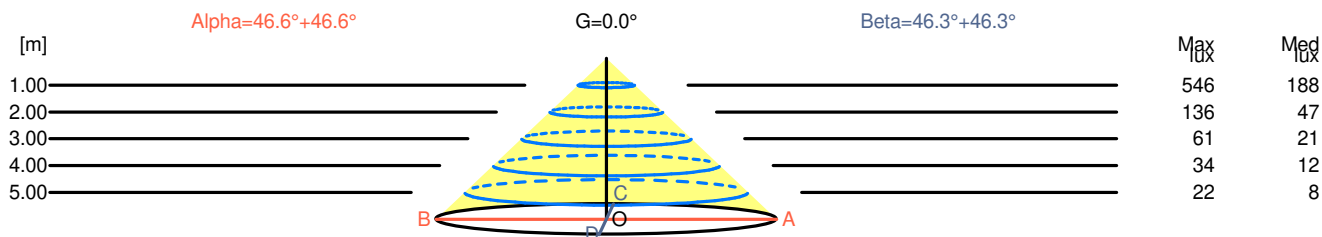
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Width at 50.00 % of Max Intensity

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	1.06	2.12	3.17	4.23	5.29	OC	1.04	2.09	3.13	4.18	5.22
OB	1.06	2.12	3.17	4.23	5.29	OD	1.04	2.09	3.13	4.18	5.22

	0	5	15	25	35	45	55	65	75	85
OA	545.55	541.30	508.50	448.21	370.38	286.16	204.78	130.32	65.60	10.99
OB	545.55	541.30	508.50	448.21	370.38	286.16	204.78	130.32	65.60	10.99
OC	545.55	541.30	507.79	446.80	367.72	283.15	203.01	129.78	65.96	13.83
OD	545.55	541.30	507.79	446.80	367.72	283.15	203.01	129.78	65.96	13.83



H[m]	D[m]	Max lux	Med lux	Alpha=46.6°+46.6°	G=0.0	
1.00	2.12	546	188			
2.00	4.23	136	47			
3.00	6.35	61	21			
4.00	8.46	34	12			
5.00	10.58	22	8			

H[m]	D[m]	Max lux	Med lux	Beta=46.3°+46.3°	G=0.0	
1.00	2.09	546	188			
2.00	4.18	136	47			
3.00	6.27	61	21			
4.00	8.36	34	12			
5.00	10.45	22	8			

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Source Flux	1773 lm	Maximum value	307.70 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	20.9	22.1	21.2	22.4	22.6	20.9	22.1	21.2	22.3	22.6
x=2H y=3H	21.7	22.9	22.1	23.1	23.4	21.7	22.8	22.0	23.1	23.3
x=2H y=4H	22.0	23.0	22.3	23.3	23.6	21.9	23.0	22.3	23.3	23.6
x=2H y=6H	22.1	23.1	22.4	23.4	23.7	22.1	23.0	22.4	23.3	23.7
x=2H y=8H	22.1	23.0	22.5	23.4	23.7	22.1	23.0	22.4	23.3	23.6
x=2H y=12H	22.1	23.0	22.5	23.3	23.7	22.1	23.0	22.4	23.3	23.6
x=4H y=2H	21.2	22.3	21.6	22.6	22.9	21.2	22.3	21.5	22.5	22.8
x=4H y=3H	22.2	23.1	22.6	23.4	23.8	22.2	23.1	22.5	23.4	23.7
x=4H y=4H	22.5	23.3	22.9	23.7	24.0	22.5	23.3	22.9	23.7	24.0
x=4H y=6H	22.7	23.4	23.1	23.8	24.2	22.7	23.4	23.1	23.8	24.2
x=4H y=8H	22.7	23.4	23.2	23.8	24.2	22.7	23.4	23.2	23.8	24.2
x=4H y=12H	22.7	23.3	23.2	23.7	24.2	22.7	23.3	23.2	23.7	24.1
x=8H y=4H	22.6	23.3	23.1	23.7	24.1	22.6	23.2	23.0	23.6	24.0
x=8H y=6H	22.9	23.4	23.3	23.8	24.3	22.8	23.4	23.3	23.8	24.2
x=8H y=8H	22.9	23.3	23.4	23.8	24.3	22.9	23.3	23.4	23.8	24.3
x=8H y=12H	22.9	23.3	23.4	23.8	24.3	22.9	23.3	23.4	23.8	24.3
x=12H y=4H	22.6	23.2	23.0	23.6	24.0	22.6	23.2	23.0	23.6	24.0
x=12H y=6H	22.9	23.3	23.3	23.8	24.2	22.8	23.3	23.3	23.7	24.2
x=12H y=8H	22.9	23.3	23.4	23.8	24.3	22.9	23.3	23.4	23.8	24.2

Luminaire

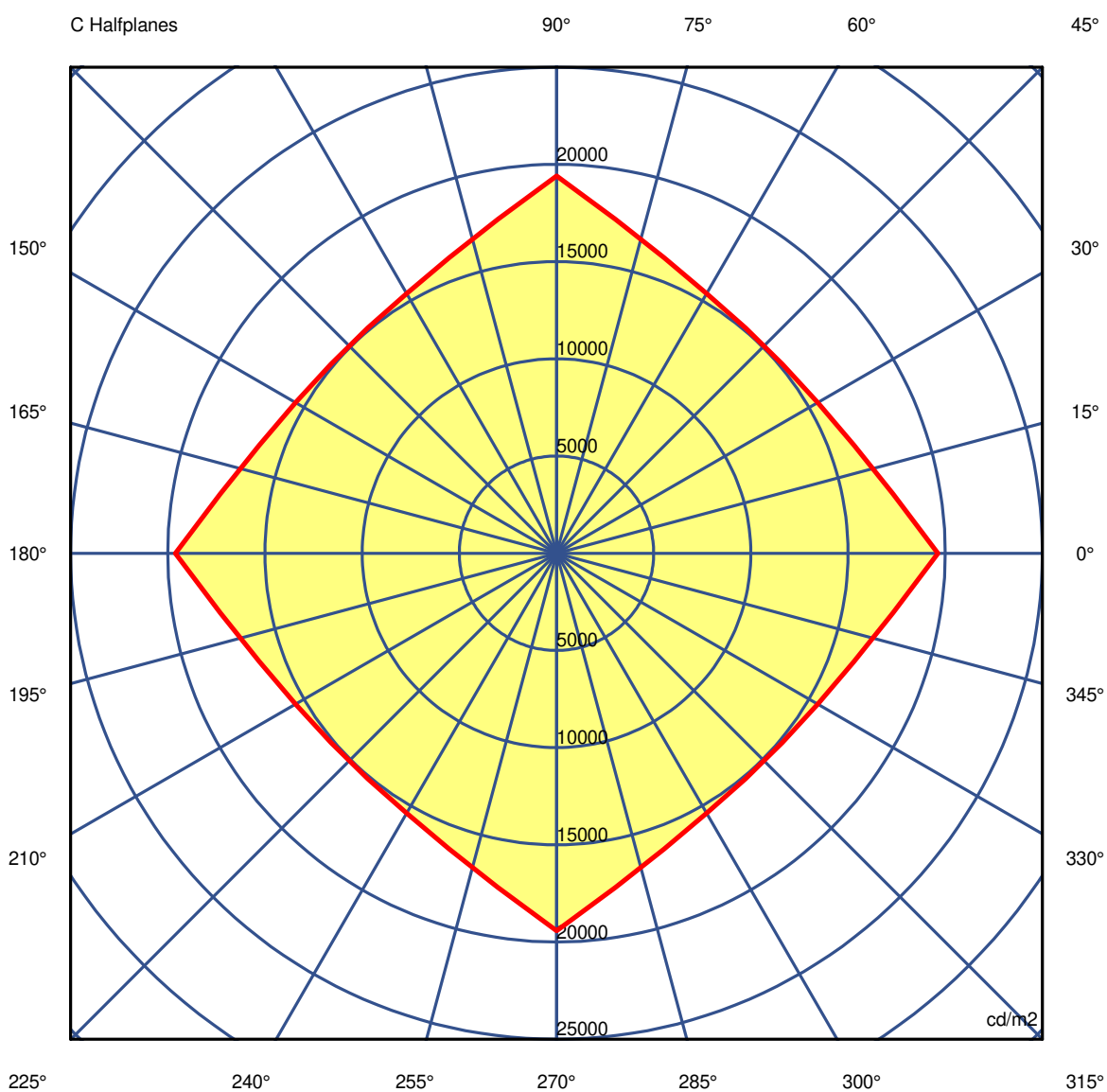
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Luminaire Flux	1253 lm	Luminaire Power	13.8 W	Efficacy	90.597 lm/W	Efficiency	70.67%
Source Flux	1773 lm	Maximum value	307.70 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

Luminaire

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Luminaire Flux	1253 lm		Luminaire Power		13.8 W		Efficacy		90.597 lm/W		Efficiency		70.67%	
Source Flux	1773 lm		Maximum value		307.70 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	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	
G 5.0	78325	76029	74302	73157	72694	72715	73205	74338	76045	78325	76045	74338	73205	
G 10.0	64940	61795	59542	58095	57411	57394	58056	59512	61783	64940	61783	59512	58056	
G 15.0	54585	51204	48838	47328	46606	46591	47278	48773	51133	54509	51133	48773	47278	
G 20.0	46248	42885	40560	39097	38420	38421	39083	40495	42774	46112	42774	40495	39083	
G 25.0	39189	36014	33883	32567	31927	31886	32463	33776	35903	39065	35903	33776	32463	
G 30.0	33220	30266	28328	27164	26603	26559	27058	28217	30136	33020	30136	28217	27058	
G 35.0	28035	25413	23680	22617	22119	22097	22530	23530	25230	27834	25230	23530	22530	
G 40.0	23499	21179	19674	18775	18351	18318	18683	19546	21020	23308	21020	19546	18683	
G 45.0	19622	17585	16277	15506	15157	15128	15429	16176	17447	19415	17447	16176	15429	
G 50.0	16209	14452	13348	12706	12400	12368	12623	13246	14330	16044	14330	13246	12623	
G 55.0	13200	11752	10793	10216	10007	10008	10198	10715	11632	13086	11632	10715	10198	
G 60.0	10535	9324	8575	8142	7933	7916	8098	8522	9260	10445	9260	8522	8098	
G 65.0	8159	7209	6616	6272	6119	6109	6246	6581	7172	8126	7172	6581	6246	
G 70.0	6043	5308	4859	4604	4496	4502	4613	4850	5283	6010	5283	4850	4613	
G 75.0	4114	3596	3285	3121	3053	3054	3129	3307	3622	4137	3622	3307	3129	
G 80.0	2319	2026	1873	1802	1759	1757	1802	1890	2065	2364	2065	1890	1802	
G 85.0	712	645	606	594	608	617	628	684	774	896	774	684	628	
G 90.0	95	82	74	69	73	77	87	111	139	165	139	111	87	

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Source Flux	1773 lm		Maximum value		307.70 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	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987	
G 5.0	72715	72694	73157	74302	76029	78325	76029	74302	73157	72694	72715	73205	74338	
G 10.0	57394	57411	58095	59542	61795	64940	61795	59542	58095	57411	57394	58056	59512	
G 15.0	46591	46606	47328	48838	51204	54585	51204	48838	47328	46606	46591	47278	48773	
G 20.0	38421	38420	39097	40560	42885	46248	42885	40560	39097	38420	38421	39083	40495	
G 25.0	31886	31927	32567	33883	36014	39189	36014	33883	32567	31927	31886	32463	33776	
G 30.0	26559	26603	27164	28328	30266	33220	30266	28328	27164	26603	26559	27058	28217	
G 35.0	22097	22119	22617	23680	25413	28035	25413	23680	22617	22119	22097	22530	23530	
G 40.0	18318	18351	18775	19674	21179	23499	21179	19674	18775	18351	18318	18683	19546	
G 45.0	15128	15157	15506	16277	17585	19622	17585	16277	15506	15157	15128	15429	16176	
G 50.0	12368	12400	12706	13348	14452	16209	14452	13348	12706	12400	12368	12623	13246	
G 55.0	10008	10007	10216	10793	11752	13200	11752	10793	10216	10007	10008	10198	10715	
G 60.0	7916	7933	8142	8575	9324	10535	9324	8575	8142	7933	7916	8098	8522	
G 65.0	6109	6119	6272	6616	7209	8159	7209	6616	6272	6119	6109	6246	6581	
G 70.0	4502	4496	4604	4859	5308	6043	5308	4859	4604	4496	4502	4613	4850	
G 75.0	3054	3053	3121	3285	3596	4114	3596	3285	3121	3053	3054	3129	3307	
G 80.0	1757	1759	1802	1873	2026	2319	2026	1873	1802	1759	1757	1802	1890	
G 85.0	617	608	594	606	645	712	645	606	594	608	617	628	684	
G 90.0	77	73	69	74	82	95	82	74	69	73	77	87	111	

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Source Flux	1773 lm	Maximum value	307.70 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	96987	96987	96987	96987	96987	96987	96987	96987	96987	96987
G 5.0	76045	78325	76045	74338	73205	72715	72694	73157	74302	76029
G 10.0	61783	64940	61783	59512	58056	57394	57411	58095	59542	61795
G 15.0	51133	54509	51133	48773	47278	46591	46606	47328	48838	51204
G 20.0	42774	46112	42774	40495	39083	38421	38420	39097	40560	42885
G 25.0	35903	39065	35903	33776	32463	31886	31927	32567	33883	36014
G 30.0	30136	33020	30136	28217	27058	26559	26603	27164	28328	30266
G 35.0	25230	27834	25230	23530	22530	22097	22119	22617	23680	25413
G 40.0	21020	23308	21020	19546	18683	18318	18351	18775	19674	21179
G 45.0	17447	19415	17447	16176	15429	15128	15157	15506	16277	17585
G 50.0	14330	16044	14330	13246	12623	12368	12400	12706	13348	14452
G 55.0	11632	13086	11632	10715	10198	10008	10007	10216	10793	11752
G 60.0	9260	10445	9260	8522	8098	7916	7933	8142	8575	9324
G 65.0	7172	8126	7172	6581	6246	6109	6119	6272	6616	7209
G 70.0	5283	6010	5283	4850	4613	4502	4496	4604	4859	5308
G 75.0	3622	4137	3622	3307	3129	3054	3053	3121	3285	3596
G 80.0	2065	2364	2065	1890	1802	1757	1759	1802	1873	2026
G 85.0	774	896	774	684	628	617	608	594	606	645
G 90.0	139	165	139	111	87	77	73	69	74	82