

Luminaire

Code 90446L008

Name VEGA SQ Q100 PRISM+ 940 LO

Measurem.

Code 16/2/2023

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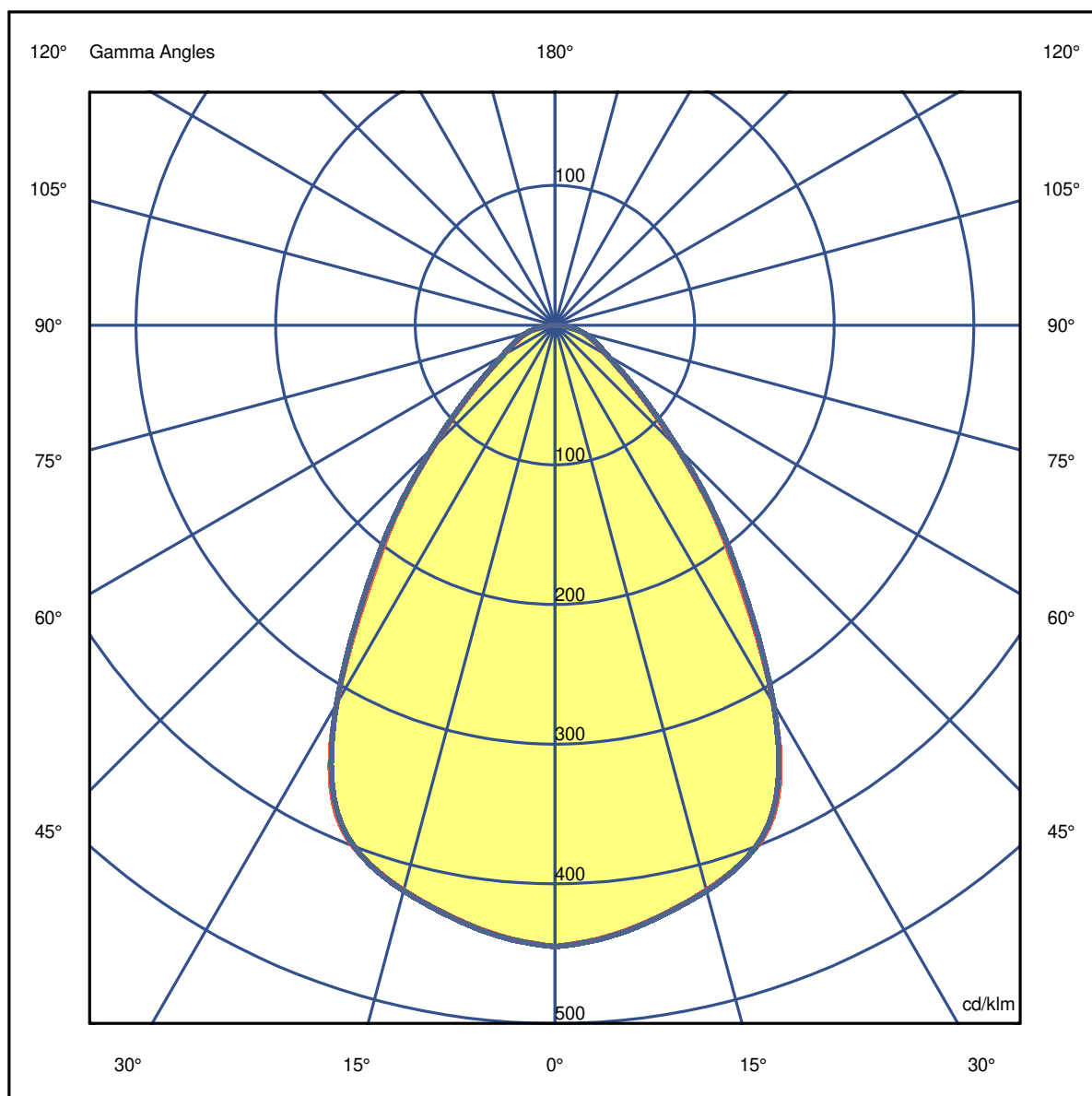
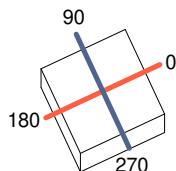
Luminaire Flux	743 lm	Luminaire Power	7.5 W	Efficacy	98.838 lm/W	Efficiency	70.99%
Source Flux	1047 lm	Maximum value	444.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

100mm x 100mm

C Halfplanes

180.0 ——— 0.0

270.0 ——— 90.0



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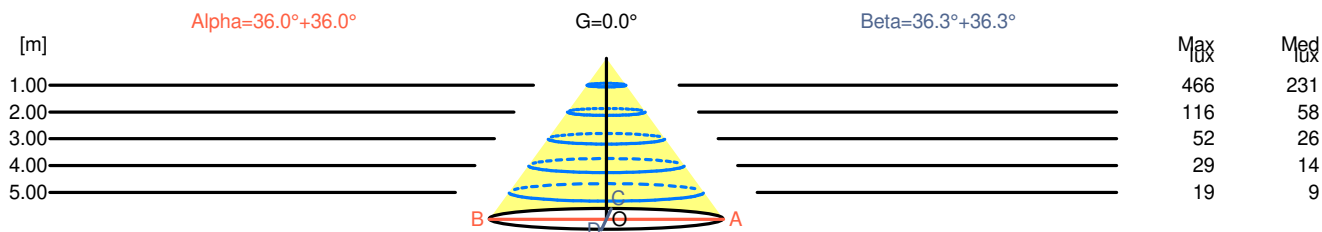
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Width at 50.00 % of Max Intensity

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	0.73	1.46	2.18	2.91	3.64	OC	0.74	1.47	2.21	2.94	3.68
OB	0.73	1.46	2.18	2.91	3.64	OD	0.74	1.47	2.21	2.94	3.68

	0	5	15	25	35	45	55	65	75	85
OA	465.81	459.84	438.48	393.78	247.09	129.30	61.25	35.91	21.67	4.92
OB	465.81	459.84	438.48	393.78	247.09	129.30	61.25	35.91	21.67	4.92
OC	465.81	460.37	438.90	391.79	250.97	130.98	62.09	36.54	22.09	5.34
OD	465.81	460.37	438.90	391.79	250.97	130.98	62.09	36.54	22.09	5.34



H[m]	D[m]	Max lux	Med lux	Alpha=36.0°+36.0°	G=0.0	
1.00	1.46	466	231			
2.00	2.91	116	58			
3.00	4.37	52	26			
4.00	5.82	29	14			
5.00	7.28	19	9			

H[m]	D[m]	Max lux	Med lux	Beta=36.3°+36.3°	G=0.0	
1.00	1.47	466	231			
2.00	2.94	116	58			
3.00	4.41	52	26			
4.00	5.88	29	14			
5.00	7.36	19	9			

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Source Flux	1047 lm	Maximum value	444.90 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	16.5	17.5	16.8	17.7	17.9	16.6	17.6	16.9	17.8	18.0
x=2H y=3H	16.9	17.8	17.2	18.0	18.3	17.0	17.9	17.3	18.1	18.4
x=2H y=4H	17.1	17.9	17.4	18.2	18.4	17.1	18.0	17.5	18.3	18.5
x=2H y=6H	17.2	17.9	17.5	18.2	18.5	17.2	18.0	17.6	18.3	18.6
x=2H y=8H	17.2	17.9	17.5	18.2	18.5	17.3	18.0	17.6	18.3	18.6
x=2H y=12H	17.1	17.8	17.5	18.2	18.5	17.2	17.9	17.6	18.2	18.6
x=4H y=2H	16.6	17.4	16.9	17.7	18.0	16.7	17.5	17.0	17.8	18.0
x=4H y=3H	17.1	17.8	17.5	18.1	18.5	17.2	17.9	17.5	18.2	18.5
x=4H y=4H	17.4	18.0	17.8	18.4	18.7	17.5	18.1	17.8	18.4	18.8
x=4H y=6H	17.5	18.1	18.0	18.5	18.9	17.6	18.2	18.0	18.5	18.9
x=4H y=8H	17.6	18.1	18.0	18.5	18.9	17.7	18.2	18.1	18.5	19.0
x=4H y=12H	17.6	18.0	18.0	18.4	18.8	17.6	18.1	18.1	18.5	18.9
x=8H y=4H	17.4	17.9	17.8	18.3	18.7	17.5	18.0	17.9	18.4	18.8
x=8H y=6H	17.6	18.0	18.1	18.5	18.9	17.7	18.1	18.2	18.5	19.0
x=8H y=8H	17.7	18.0	18.2	18.5	18.9	17.8	18.1	18.2	18.6	19.0
x=8H y=12H	17.7	18.0	18.2	18.5	19.0	17.8	18.1	18.3	18.5	19.0
x=12H y=4H	17.4	17.8	17.8	18.2	18.7	17.5	17.9	17.9	18.3	18.8
x=12H y=6H	17.6	18.0	18.1	18.4	18.9	17.7	18.1	18.2	18.5	19.0
x=12H y=8H	17.7	18.0	18.2	18.5	18.9	17.8	18.1	18.3	18.5	19.0

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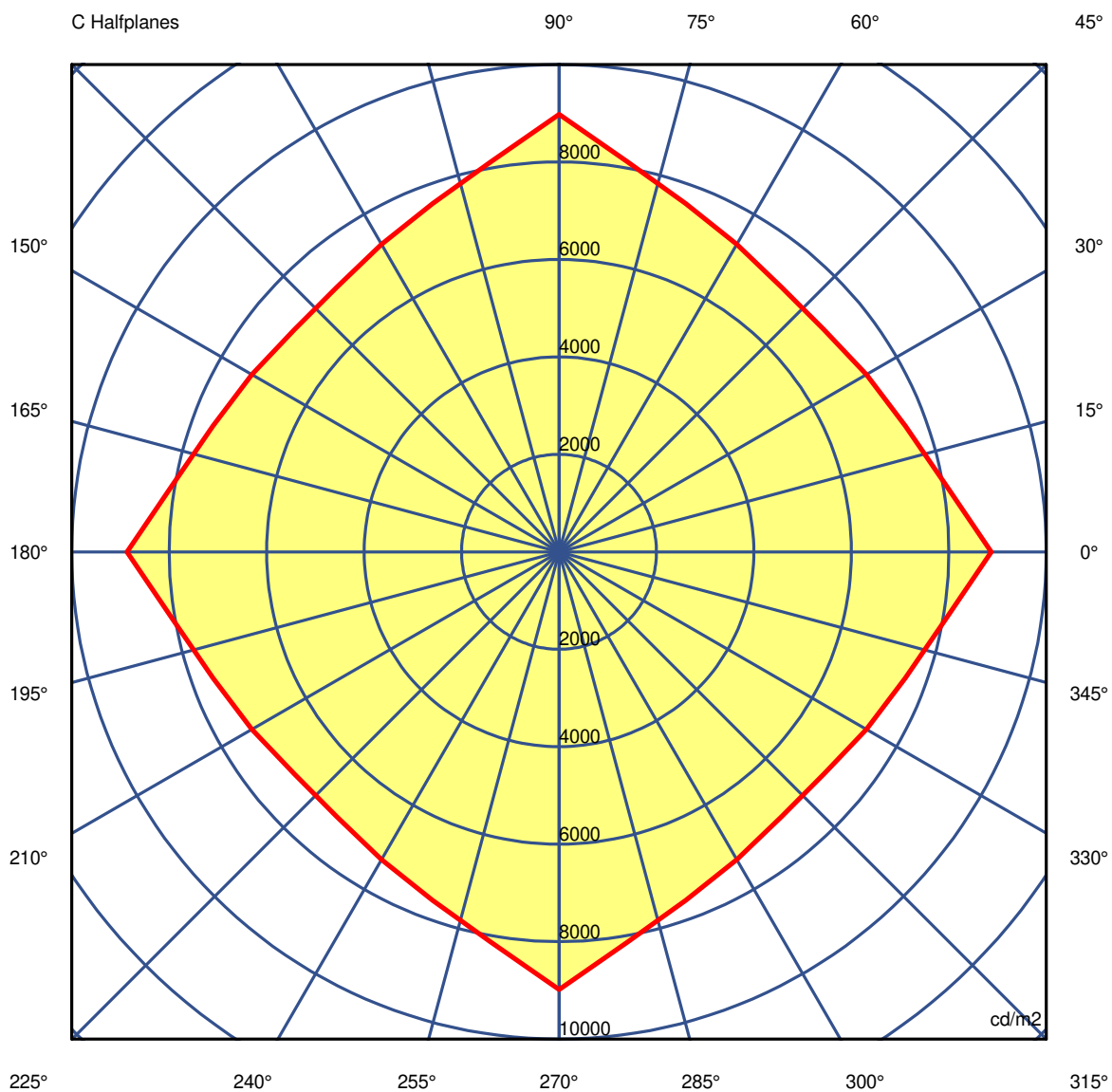
Measurem.

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Luminaire Flux	743 lm	Luminaire Power	7.5 W	Efficacy	98.838 lm/W	Efficiency	70.99%
Source Flux	1047 lm	Maximum value	444.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



45.0°

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Source Flux	1047 lm		Maximum value		444.90 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	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	
G 5.0	66538	64612	63227	62329	61765	61798	62371	63171	64528	66614	64528	63171	62371	
G 10.0	55254	52612	50735	49498	48817	48848	49544	50704	52559	55292	52559	50704	49544	
G 15.0	47070	44183	42175	40889	40232	40243	40908	42179	44196	47115	44196	42179	40908	
G 20.0	40659	37743	35771	34526	33862	33856	34509	35751	37730	40659	37730	35751	34509	
G 25.0	34429	31740	30064	29110	28577	28551	29026	29917	31559	34255	31559	29917	29026	
G 30.0	26472	24365	23352	23126	23146	23136	23113	23369	24397	26481	24397	23369	23113	
G 35.0	18703	17131	16419	16338	16474	16554	16543	16662	17389	18996	17389	16662	16543	
G 40.0	13314	12167	11508	11153	10924	10924	11159	11539	12247	13471	12247	11539	11159	
G 45.0	8866	8047	7562	7280	7092	7093	7291	7605	8126	8981	8126	7605	7291	
G 50.0	5808	5247	4909	4733	4678	4712	4825	5029	5372	5926	5372	5029	4825	
G 55.0	3948	3574	3325	3181	3151	3161	3202	3342	3597	4002	3597	3342	3202	
G 60.0	2829	2523	2349	2266	2236	2240	2282	2379	2572	2902	2572	2379	2282	
G 65.0	2248	1997	1856	1784	1747	1741	1774	1858	2020	2288	2020	1858	1774	
G 70.0	1752	1560	1446	1384	1358	1361	1394	1466	1596	1810	1596	1466	1394	
G 75.0	1359	1193	1103	1059	1033	1035	1064	1119	1218	1386	1218	1119	1064	
G 80.0	838	744	692	668	660	664	678	706	764	871	764	706	678	
G 85.0	319	280	256	240	244	248	250	269	300	346	300	269	250	
G 90.0	42	32	27	26	25	25	26	27	32	42	32	27	26	

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Source Flux	1047 lm		Maximum value		444.90 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	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811
G 5.0	61798	61765	62329	63227	64612	66538	64612	63227	62329	61765	61798	62371	63171	61798
G 10.0	48848	48817	49498	50735	52612	55254	52612	50735	49498	48817	48848	49544	50704	48848
G 15.0	40243	40232	40889	42175	44183	47070	44183	42175	40889	40232	40243	40908	42179	40889
G 20.0	33856	33862	34526	35771	37743	40659	37743	35771	34526	33862	33856	34509	35751	34526
G 25.0	28551	28577	29110	30064	31740	34429	31740	30064	29110	28577	28551	29026	29917	28577
G 30.0	23136	23146	23126	23352	24365	26472	24365	23352	23126	23146	23136	23113	23369	23146
G 35.0	16554	16474	16338	16419	17131	18703	17131	16419	16338	16474	16554	16543	16662	16474
G 40.0	10924	10924	11153	11508	12167	13314	12167	11508	11153	10924	10924	11159	11539	11153
G 45.0	7093	7092	7280	7562	8047	8866	8047	7562	7280	7092	7093	7291	7605	7280
G 50.0	4712	4678	4733	4909	5247	5808	5247	4909	4733	4678	4712	4825	5029	4733
G 55.0	3161	3151	3181	3325	3574	3948	3574	3325	3181	3151	3161	3202	3342	3181
G 60.0	2240	2236	2266	2349	2523	2829	2523	2349	2266	2236	2240	2282	2379	2266
G 65.0	1741	1747	1784	1856	1997	2248	1997	1856	1784	1747	1741	1774	1858	1784
G 70.0	1361	1358	1384	1446	1560	1752	1560	1446	1384	1358	1361	1394	1466	1384
G 75.0	1035	1033	1059	1103	1193	1359	1193	1103	1059	1033	1035	1064	1119	1059
G 80.0	664	660	668	692	744	838	744	692	668	660	664	678	706	668
G 85.0	248	244	240	256	280	319	280	256	240	244	248	250	269	244
G 90.0	25	25	26	27	32	42	32	27	26	25	25	26	27	26

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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	82811	82811	82811	82811	82811	82811	82811	82811	82811	82811
G 5.0	64528	66614	64528	63171	62371	61798	61765	62329	63227	64612
G 10.0	52559	55292	52559	50704	49544	48848	48817	49498	50735	52612
G 15.0	44196	47115	44196	42179	40908	40243	40232	40889	42175	44183
G 20.0	37730	40659	37730	35751	34509	33856	33862	34526	35771	37743
G 25.0	31559	34255	31559	29917	29026	28551	28577	29110	30064	31740
G 30.0	24397	26481	24397	23369	23113	23136	23146	23126	23352	24365
G 35.0	17389	18996	17389	16662	16543	16554	16474	16338	16419	17131
G 40.0	12247	13471	12247	11539	11159	10924	10924	11153	11508	12167
G 45.0	8126	8981	8126	7605	7291	7093	7092	7280	7562	8047
G 50.0	5372	5926	5372	5029	4825	4712	4678	4733	4909	5247
G 55.0	3597	4002	3597	3342	3202	3161	3151	3181	3325	3574
G 60.0	2572	2902	2572	2379	2282	2240	2236	2266	2349	2523
G 65.0	2020	2288	2020	1858	1774	1741	1747	1784	1856	1997
G 70.0	1596	1810	1596	1466	1394	1361	1358	1384	1446	1560
G 75.0	1218	1386	1218	1119	1064	1035	1033	1059	1103	1193
G 80.0	764	871	764	706	678	664	660	668	692	744
G 85.0	300	346	300	269	250	248	244	240	256	280
G 90.0	32	42	32	27	26	25	25	26	27	32