

Luminaire

Code 90442L011

Name VEGA SQ /E Q100 PRISM+ 940 MO

Measurem.

Code 9/2/2023

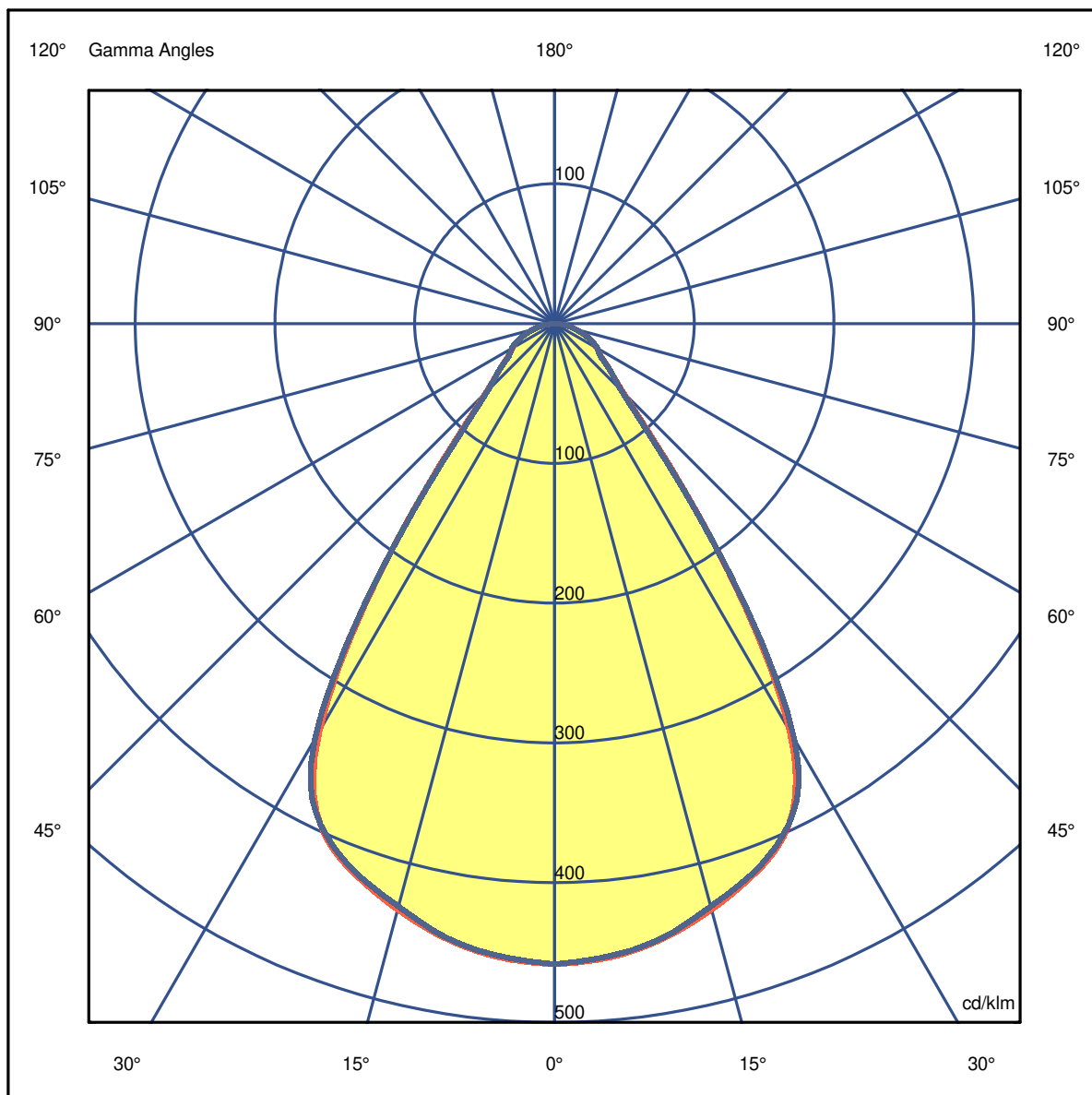
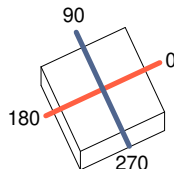
Name VEGA SQ /E Q100 PRISM+ 940 MO

Luminaire Flux	866 lm	Luminaire Power	8.2 W	Efficacy	104.974 lm/W	Efficiency	66.77%
Source Flux	1297 lm	Maximum value	458.30 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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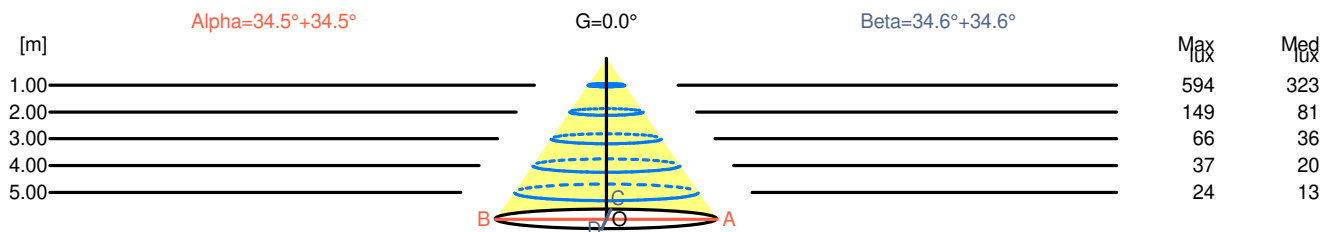
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Width at 50.00 % of Max Intensity

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	0.69	1.38	2.06	2.75	3.44	OC	0.69	1.38	2.07	2.76	3.45
OB	0.69	1.38	2.06	2.75	3.44	OD	0.69	1.38	2.07	2.76	3.45

	0	5	15	25	35	45	55	65	75	85
OA	594.42	590.26	562.90	513.74	281.97	90.01	52.53	37.74	19.71	5.19
OB	594.42	590.26	562.90	513.74	281.97	90.01	52.53	37.74	19.71	5.19
OC	594.42	588.84	559.79	513.22	283.65	87.42	51.49	38.00	20.10	4.80
OD	594.42	588.84	559.79	513.22	283.65	87.42	51.49	38.00	20.10	4.80



H[m]	D[m]	Max lux	Med lux	Alpha=34.5°+34.5°	G=0.0
1.00	1.38	594	323		
2.00	2.75	149	81		
3.00	4.13	66	36		
4.00	5.51	37	20		
5.00	6.88	24	13		

H[m]	D[m]	Max lux	Med lux	Beta=34.6°+34.6°	G=0.0
1.00	1.38	594	323		
2.00	2.76	149	81		
3.00	4.14	66	36		
4.00	5.52	37	20		
5.00	6.90	24	13		

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Source Flux	1297 lm	Maximum value	458.30 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	17.7	18.7	18.0	18.9	19.1	17.8	18.7	18.0	18.9	19.1
x=2H y=3H	18.2	19.0	18.5	19.2	19.5	18.2	19.0	18.5	19.3	19.5
x=2H y=4H	18.3	19.1	18.6	19.4	19.6	18.3	19.1	18.7	19.4	19.7
x=2H y=6H	18.4	19.1	18.7	19.4	19.7	18.4	19.1	18.8	19.4	19.7
x=2H y=8H	18.4	19.1	18.7	19.4	19.7	18.4	19.1	18.8	19.4	19.7
x=2H y=12H	18.4	19.0	18.7	19.3	19.7	18.4	19.0	18.7	19.4	19.7
x=4H y=2H	17.8	18.6	18.1	18.9	19.1	17.8	18.6	18.1	18.9	19.1
x=4H y=3H	18.4	19.0	18.7	19.3	19.6	18.4	19.0	18.7	19.4	19.7
x=4H y=4H	18.6	19.2	19.0	19.5	19.9	18.6	19.2	19.0	19.5	19.9
x=4H y=6H	18.7	19.2	19.2	19.6	20.0	18.8	19.3	19.2	19.6	20.0
x=4H y=8H	18.8	19.2	19.2	19.6	20.0	18.8	19.2	19.2	19.6	20.0
x=4H y=12H	18.8	19.2	19.2	19.6	20.0	18.8	19.2	19.2	19.6	20.0
x=8H y=4H	18.6	19.1	19.0	19.4	19.9	18.7	19.1	19.1	19.5	19.9
x=8H y=6H	18.8	19.2	19.3	19.6	20.0	18.8	19.2	19.3	19.6	20.1
x=8H y=8H	18.8	19.1	19.3	19.6	20.1	18.9	19.2	19.3	19.6	20.1
x=8H y=12H	18.9	19.1	19.3	19.6	20.1	18.9	19.1	19.4	19.6	20.1
x=12H y=4H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.1	19.4	19.8
x=12H y=6H	18.8	19.1	19.3	19.5	20.0	18.8	19.1	19.3	19.6	20.0
x=12H y=8H	18.8	19.1	19.3	19.6	20.0	18.9	19.1	19.3	19.6	20.1

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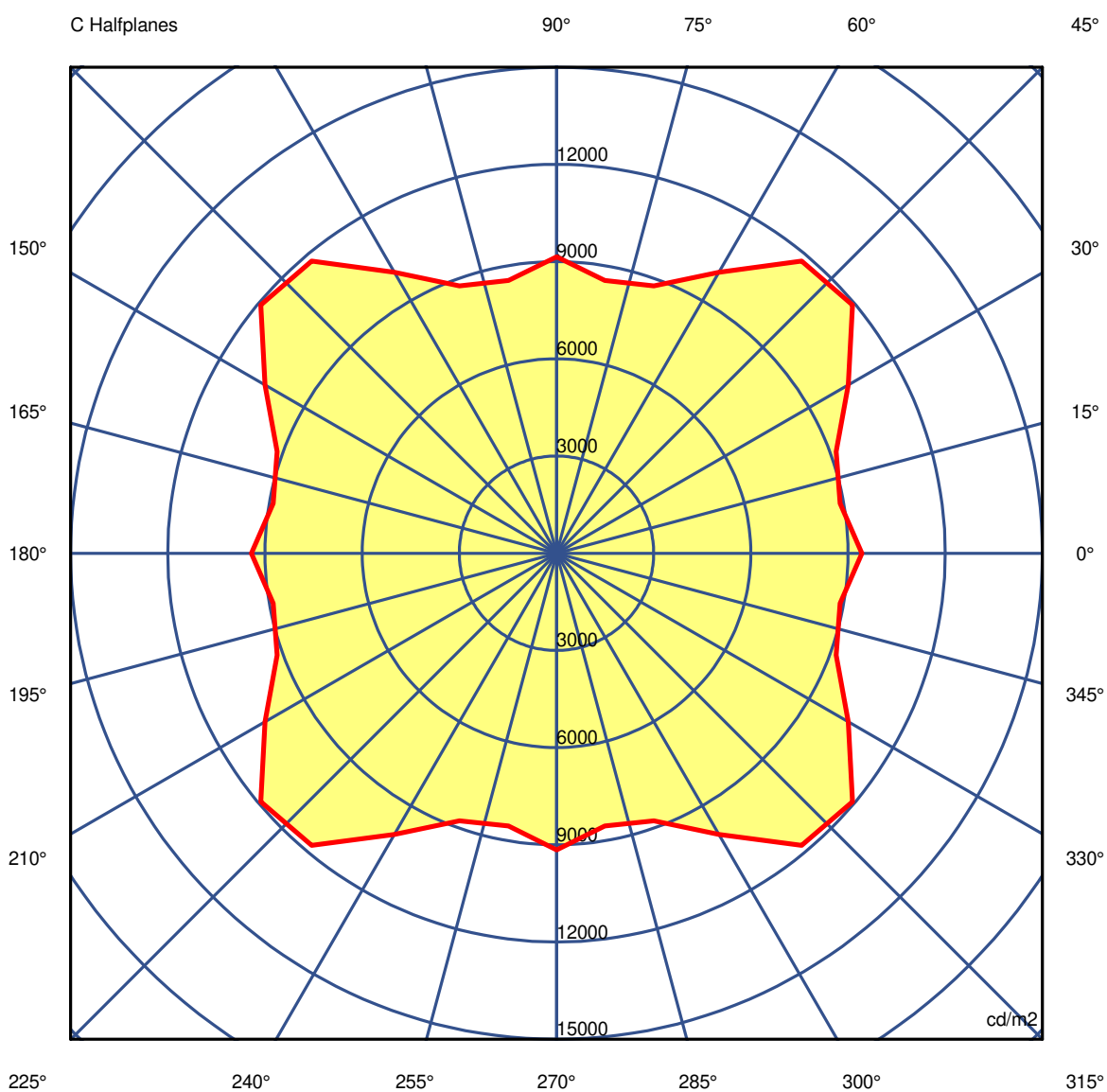
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Luminaire Flux	866 lm	Luminaire Power	8.2 W	Efficacy	104.974 lm/W	Efficiency	66.77%
Source Flux	1297 lm	Maximum value	458.30 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Luminaire Flux	866 lm		Luminaire Power		8.2 W		Efficacy		104.974 lm/W		Efficiency		66.77%	
Source Flux	1297 lm		Maximum value		458.30 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	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	
G 5.0	98029	96299	94811	93732	93394	93476	93897	94874	96200	97792	96200	94874	93897	
G 10.0	86910	84355	82025	80230	79748	79831	80482	81903	84013	86755	84013	81903	80482	
G 15.0	77497	74132	71537	69755	69013	69074	69868	71534	73927	77068	73927	71534	69868	
G 20.0	69603	65864	63091	61092	60153	60235	61224	63028	65695	69387	65695	63028	61224	
G 25.0	62008	58302	55537	53592	52611	52689	53742	55576	58238	61946	58238	55576	53742	
G 30.0	50133	47209	45897	45741	45835	46043	46352	46847	48293	51146	48293	46847	46352	
G 35.0	31140	30020	31024	33860	36746	37149	34727	31579	30214	31326	30214	31579	34727	
G 40.0	15973	15447	16739	19821	23075	22939	19464	16292	14993	15543	14993	16292	19464	
G 45.0	9426	8886	9182	10395	11924	11771	10017	8780	8548	9154	8548	8780	10017	
G 50.0	6921	6393	6235	6376	6594	6545	6268	6159	6368	6921	6368	6159	6268	
G 55.0	5385	4889	4673	4633	4601	4577	4580	4634	4843	5279	4843	4634	4580	
G 60.0	4645	4196	3883	3680	3591	3577	3648	3893	4247	4711	4247	3893	3648	
G 65.0	3906	3519	3228	3008	2897	2927	3071	3267	3535	3933	3535	3267	3071	
G 70.0	3015	2681	2470	2327	2228	2246	2369	2501	2715	3056	2715	2501	2369	
G 75.0	2125	1904	1744	1631	1581	1598	1663	1754	1910	2167	1910	1754	1663	
G 80.0	1344	1199	1091	1012	978	992	1033	1074	1155	1315	1155	1074	1033	
G 85.0	603	559	503	448	435	435	448	476	515	557	515	476	448	
G 90.0	127	122	109	93	84	71	58	62	68	79	68	62	58	

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Source Flux	1297 lm		Maximum value		458.30 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	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543	
G 5.0	93476	93394	93732	94811	96299	98029	96299	94811	93732	93394	93476	93897	94874		
G 10.0	79831	79748	80230	82025	84355	86910	84355	82025	80230	79748	79831	80482	81903		
G 15.0	69074	69013	69755	71537	74132	77497	74132	71537	69755	69013	69074	69868	71534		
G 20.0	60235	60153	61092	63091	65864	69603	65864	63091	61092	60153	60235	61224	63028		
G 25.0	52689	52611	53592	55537	58302	62008	58302	55537	53592	52611	52689	53742	55576		
G 30.0	46043	45835	45741	45897	47209	50133	47209	45897	45741	45835	46043	46352	46847		
G 35.0	37149	36746	33860	31024	30020	31140	30020	31024	33860	36746	37149	34727	31579		
G 40.0	22939	23075	19821	16739	15447	15973	15447	16739	19821	23075	22939	19464	16292		
G 45.0	11771	11924	10395	9182	8886	9426	8886	9182	10395	11924	11771	10017	8780		
G 50.0	6545	6594	6376	6235	6393	6921	6393	6235	6376	6594	6545	6268	6159		
G 55.0	4577	4601	4633	4673	4889	5385	4889	4673	4633	4601	4577	4580	4634		
G 60.0	3577	3591	3680	3883	4196	4645	4196	3883	3680	3591	3577	3648	3893		
G 65.0	2927	2897	3008	3228	3519	3906	3519	3228	3008	2897	2927	3071	3267		
G 70.0	2246	2228	2327	2470	2681	3015	2681	2470	2327	2228	2246	2369	2501		
G 75.0	1598	1581	1631	1744	1904	2125	1904	1744	1631	1581	1598	1663	1754		
G 80.0	992	978	1012	1091	1199	1344	1199	1091	1012	978	992	1033	1074		
G 85.0	435	435	448	503	559	603	559	503	448	435	435	448	476		
G 90.0	71	84	93	109	122	127	122	109	93	84	71	58	62		

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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	111543	111543	111543	111543	111543	111543	111543	111543	111543	111543
G 5.0	96200	97792	96200	94874	93897	93476	93394	93732	94811	96299
G 10.0	84013	86755	84013	81903	80482	79831	79748	80230	82025	84355
G 15.0	73927	77068	73927	71534	69868	69074	69013	69755	71537	74132
G 20.0	65695	69387	65695	63028	61224	60235	60153	61092	63091	65864
G 25.0	58238	61946	58238	55576	53742	52689	52611	53592	55537	58302
G 30.0	48293	51146	48293	46847	46352	46043	45835	45741	45897	47209
G 35.0	30214	31326	30214	31579	34727	37149	36746	33860	31024	30020
G 40.0	14993	15543	14993	16292	19464	22939	23075	19821	16739	15447
G 45.0	8548	9154	8548	8780	10017	11771	11924	10395	9182	8886
G 50.0	6368	6921	6368	6159	6268	6545	6594	6376	6235	6393
G 55.0	4843	5279	4843	4634	4580	4577	4601	4633	4673	4889
G 60.0	4247	4711	4247	3893	3648	3577	3591	3680	3883	4196
G 65.0	3535	3933	3535	3267	3071	2927	2897	3008	3228	3519
G 70.0	2715	3056	2715	2501	2369	2246	2228	2327	2470	2681
G 75.0	1910	2167	1910	1754	1663	1598	1581	1631	1744	1904
G 80.0	1155	1315	1155	1074	1033	992	978	1012	1091	1199
G 85.0	515	557	515	476	448	435	435	448	503	559
G 90.0	68	79	68	62	58	71	84	93	109	122