

Luminaire

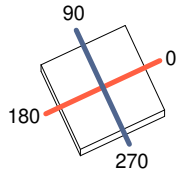
Code 90817+90823V003
Name SONA V 3 SPOT 930 50°

Measurement

Code 24/6/2024
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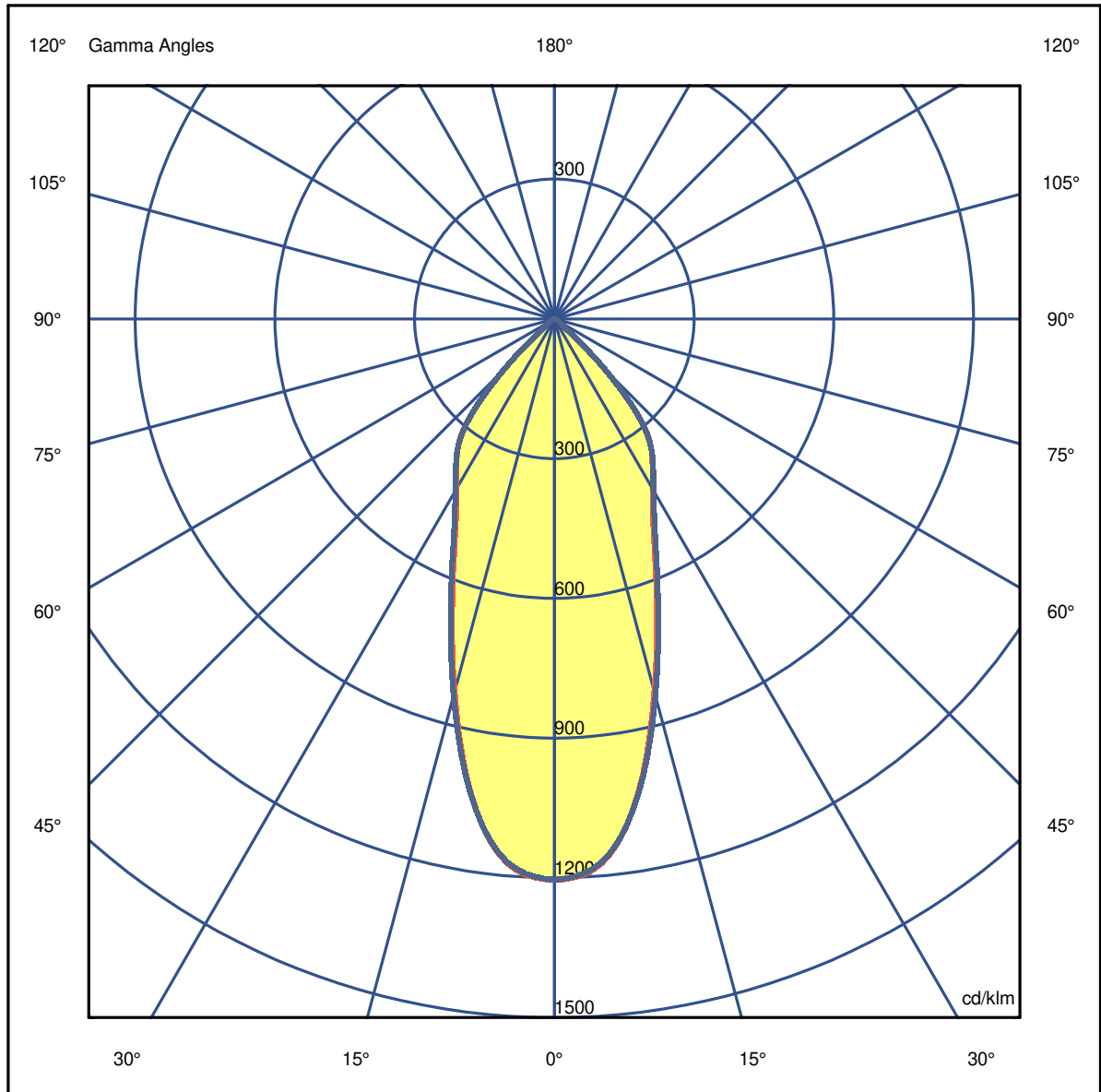
Luminaire Flux	2138 lm	Luminaire Power	17.9 W	Efficacy	119.181 lm/W	Efficiency	95.15%
Source Flux	2247 lm	Maximum value	1204.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

693mm x 693mm



C Halfplanes

180.0 ———— 0.0
270.0 ———— 90.0



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Measur.

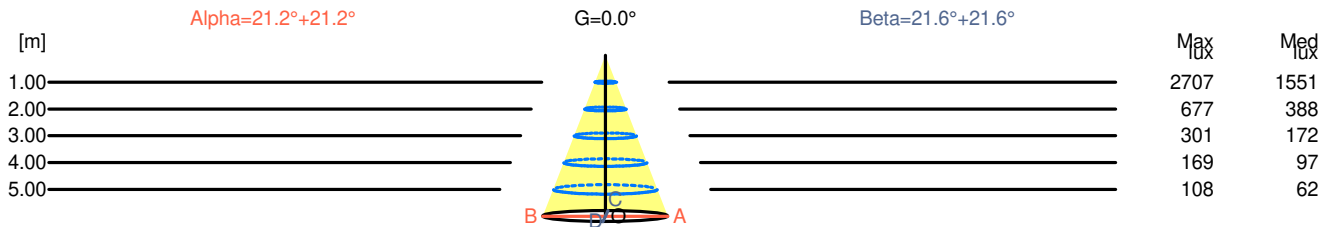
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Width at 50.00 % of Max Intensity

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	0.39	0.78	1.17	1.56	1.94	OC	0.40	0.79	1.19	1.58	1.98
OB	0.39	0.78	1.17	1.56	1.94	OD	0.40	0.79	1.19	1.58	1.98

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	2707.19	2634.16	1861.64	1132.04	822.18	343.57	32.58	12.13	2.02	1.12
OB	2707.19	2634.16	1861.64	1132.04	822.18	343.57	32.58	12.13	2.02	1.12
OC	2707.19	2628.99	1880.96	1149.34	827.12	349.63	35.50	13.26	2.02	1.12
OD	2707.19	2628.99	1880.96	1149.34	827.12	349.63	35.50	13.26	2.02	1.12



H[m]	D[m]	Max lux	Med lux	Alpha=21.2°+21.2°	G=0.0
1.00	0.78	2707	1551		
2.00	1.56	677	388		
3.00	2.33	301	172		
4.00	3.11	169	97		
5.00	3.89	108	62		

H[m]	D[m]	Max lux	Med lux	Beta=21.6°+21.6°	G=0.0
1.00	0.79	2707	1551		
2.00	1.58	677	388		
3.00	2.37	301	172		
4.00	3.16	169	97		
5.00	3.95	108	62		

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Source Flux	2247 lm	Maximum value	1204.80 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	19.5	20.3	19.8	20.5	20.7	19.6	20.3	19.8	20.6	20.8
x=2H y=3H	19.4	20.1	19.7	20.3	20.6	19.4	20.1	19.7	20.4	20.6
x=2H y=4H	19.3	20.0	19.6	20.2	20.5	19.4	20.0	19.7	20.3	20.5
x=2H y=6H	19.3	19.9	19.6	20.1	20.4	19.3	19.9	19.6	20.2	20.5
x=2H y=8H	19.2	19.8	19.6	20.1	20.4	19.3	19.8	19.6	20.1	20.4
x=2H y=12H	19.2	19.7	19.6	20.1	20.4	19.2	19.8	19.6	20.1	20.4
x=4H y=2H	19.3	20.0	19.6	20.2	20.5	19.4	20.0	19.7	20.3	20.5
x=4H y=3H	19.2	19.8	19.6	20.1	20.4	19.3	19.8	19.6	20.1	20.4
x=4H y=4H	19.1	19.6	19.5	19.9	20.3	19.2	19.6	19.6	20.0	20.3
x=4H y=6H	19.1	19.5	19.5	19.8	20.2	19.1	19.5	19.5	19.9	20.2
x=4H y=8H	19.0	19.4	19.4	19.8	20.2	19.1	19.4	19.5	19.8	20.2
x=4H y=12H	19.0	19.3	19.4	19.7	20.1	19.0	19.3	19.5	19.7	20.2
x=8H y=4H	19.0	19.4	19.4	19.8	20.2	19.1	19.4	19.5	19.8	20.2
x=8H y=6H	19.0	19.2	19.4	19.7	20.1	19.0	19.3	19.4	19.7	20.1
x=8H y=8H	18.9	19.1	19.4	19.6	20.1	18.9	19.2	19.4	19.6	20.1
x=8H y=12H	18.9	19.1	19.4	19.5	20.0	18.9	19.1	19.4	19.6	20.1
x=12H y=4H	19.0	19.3	19.4	19.7	20.1	19.0	19.3	19.5	19.7	20.2
x=12H y=6H	18.9	19.1	19.4	19.6	20.1	18.9	19.2	19.4	19.6	20.1
x=12H y=8H	18.9	19.1	19.4	19.5	20.0	18.9	19.1	19.4	19.6	20.1

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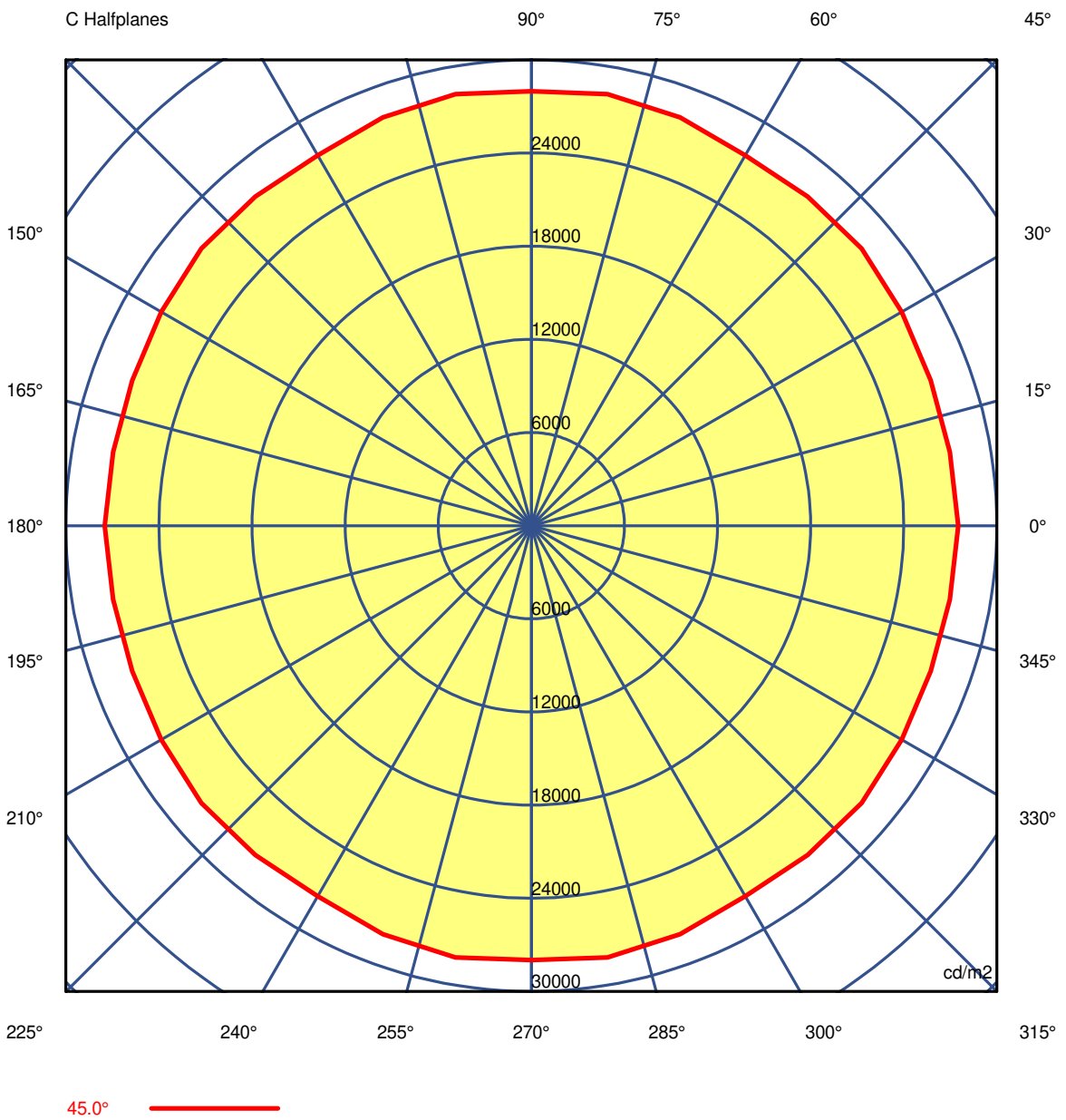
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Source Flux	2247 lm	Maximum value	1204.80 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195
G 5.0	149632	149556	149632	149773	149725	149514	149377	149531	149568	149339	149568	149531	149377
G 10.0	133493	133953	134462	134706	134290	133890	133919	134173	134159	133777	134159	134173	133919
G 15.0	109063	108960	109208	109709	109969	109742	109498	109965	110321	110196	110321	109965	109498
G 20.0	86845	86845	86895	87170	87664	87819	87819	88280	88476	88130	88476	88280	87819
G 25.0	70683	70610	70782	71146	71407	71487	71553	71817	71926	71763	71926	71817	71553
G 30.0	61887	61897	61932	62048	62216	62320	62371	62471	62498	62415	62498	62471	62371
G 35.0	56797	56771	56772	56828	56944	57040	57108	57193	57210	57139	57210	57193	57108
G 40.0	49249	49210	49146	49099	49125	49065	48950	48969	48966	48867	48966	48969	48950
G 45.0	27495	27372	27376	27549	27771	27681	27549	27989	28237	27980	28237	27989	27549
G 50.0	6093	6128	6123	6073	6014	5994	5994	5994	5970	5895	5970	5994	5994
G 55.0	3214	3368	3430	3458	3574	3607	3547	3559	3560	3503	3560	3559	3547
G 60.0	2416	2546	2623	2645	2664	2750	2823	2738	2694	2772	2694	2738	2823
G 65.0	1625	1731	1810	1835	1798	1763	1775	1822	1828	1775	1828	1822	1775
G 70.0	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004
G 75.0	442	442	473	540	540	540	540	540	517	442	517	540	540
G 80.0	659	659	659	659	659	659	659	659	547	659	528	659	659
G 85.0	729	923	1110	1021	449	387	729	442	318	729	318	442	729
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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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	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195
G 5.0	149514	149725	149773	149632	149556	149632	149556	149632	149773	149725	149514	149377	149531
G 10.0	133890	134290	134706	134462	133953	133493	133953	134462	134706	134290	133890	133919	134173
G 15.0	109742	109969	109709	109208	108960	109063	108960	109208	109709	109969	109742	109498	109965
G 20.0	87819	87664	87170	86895	86845	86845	86845	86895	87170	87664	87819	87819	88280
G 25.0	71487	71407	71146	70782	70610	70683	70610	70782	71146	71407	71487	71553	71817
G 30.0	62320	62216	62048	61932	61897	61887	61897	61932	62048	62216	62320	62371	62471
G 35.0	57040	56944	56828	56772	56771	56797	56771	56772	56828	56944	57040	57108	57193
G 40.0	49065	49125	49099	49146	49210	49249	49210	49146	49099	49125	49065	48950	48969
G 45.0	27681	27771	27549	27376	27372	27495	27372	27376	27549	27771	27681	27549	27989
G 50.0	5994	6014	6073	6123	6128	6093	6128	6123	6073	6014	5994	5994	5994
G 55.0	3607	3574	3458	3430	3368	3214	3368	3430	3458	3574	3607	3547	3559
G 60.0	2750	2664	2645	2623	2546	2416	2546	2623	2645	2664	2750	2823	2738
G 65.0	1763	1798	1835	1810	1731	1625	1731	1810	1835	1798	1763	1775	1822
G 70.0	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004
G 75.0	540	540	540	473	442	442	442	473	540	540	540	540	540
G 80.0	659	659	659	659	659	659	659	659	659	659	659	659	547
G 85.0	387	449	1021	1110	923	729	923	1110	1021	449	387	729	442
G 90.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Source Flux	2247 lm	Maximum value	1204.80 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	153195	153195	153195	153195	153195	153195	153195	153195	153195	153195
G 5.0	149568	149339	149568	149531	149377	149514	149725	149773	149632	149556
G 10.0	134159	133777	134159	134173	133919	133890	134290	134706	134462	133953
G 15.0	110321	110196	110321	109965	109498	109742	109969	109709	109208	108960
G 20.0	88476	88130	88476	88280	87819	87819	87664	87170	86895	86845
G 25.0	71926	71763	71926	71817	71553	71487	71407	71146	70782	70610
G 30.0	62498	62415	62498	62471	62371	62320	62216	62048	61932	61897
G 35.0	57210	57139	57210	57193	57108	57040	56944	56828	56772	56771
G 40.0	48966	48867	48966	48969	48950	49065	49125	49099	49146	49210
G 45.0	28237	27980	28237	27989	27549	27681	27771	27549	27376	27372
G 50.0	5970	5895	5970	5994	5994	5994	6014	6073	6123	6128
G 55.0	3560	3503	3560	3559	3547	3607	3574	3458	3430	3368
G 60.0	2694	2772	2694	2738	2823	2750	2664	2645	2623	2546
G 65.0	1828	1775	1828	1822	1775	1763	1798	1835	1810	1731
G 70.0	1004	1004	1004	1004	1004	1004	1004	1004	1004	1004
G 75.0	517	442	517	540	540	540	540	540	473	442
G 80.0	528	659	528	547	659	659	659	659	659	659
G 85.0	318	729	318	442	729	387	449	1021	1110	923
G 90.0	0	0	0	0	0	0	0	0	0	0