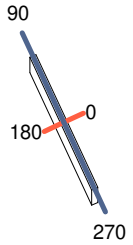
Luminaire
Code 90517+90497L004
Name REBA 50 EXT L1138+INT SYM BLINE 840 HO
Measurem.
Code 15/5/2023
Name REBA 50 EXT L1138+INT SYM BLINE 840 HO

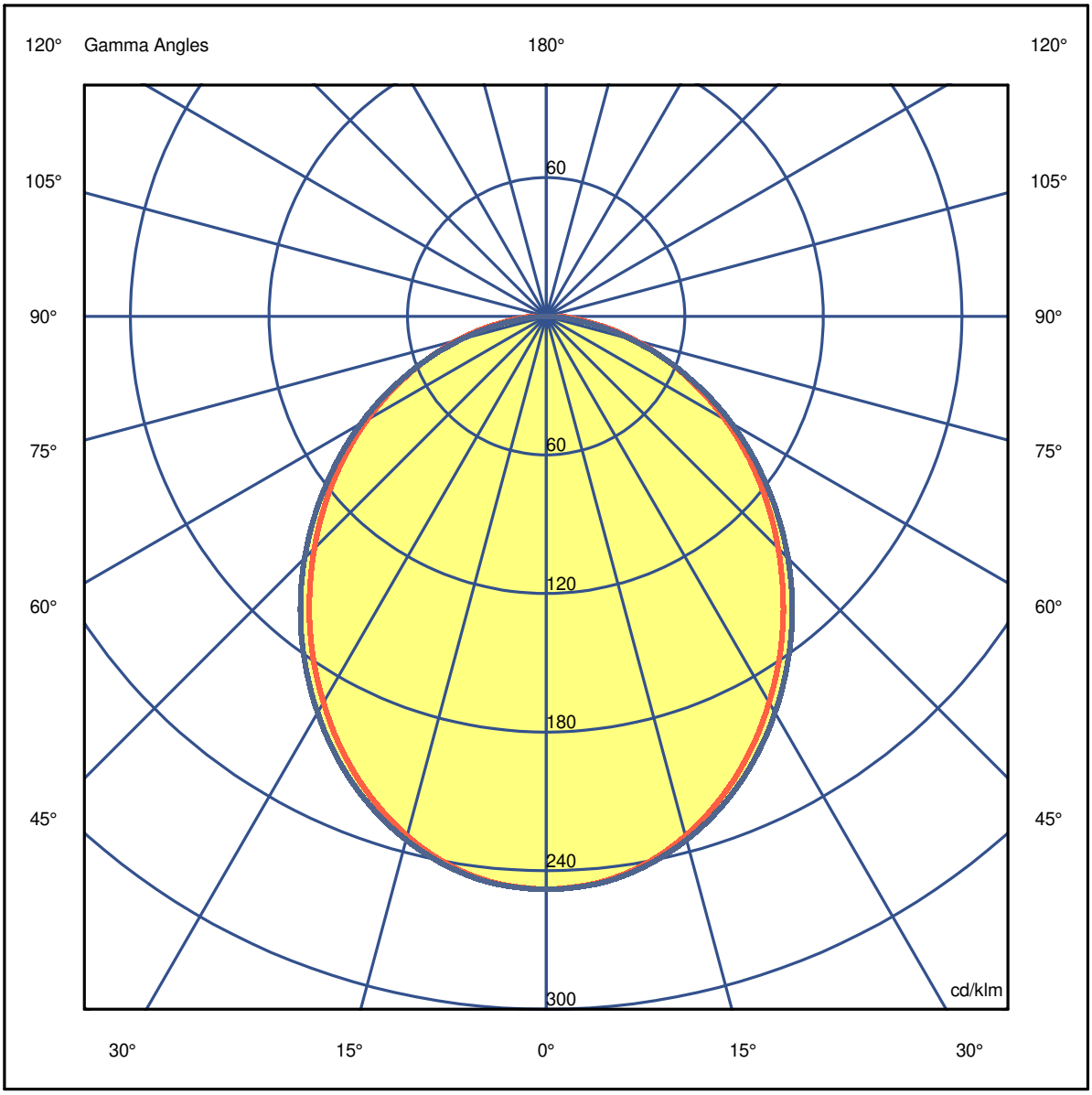
Luminaire Flux	3291 lm	Luminaire Power	29.6 W	Efficacy	111.119 lm/W	Efficiency	63.64%
Source Flux	5172 lm	Maximum value	248.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

1138mm x 50mm



C Halfplanes

180.0 — 0.0
270.0 — 90.0



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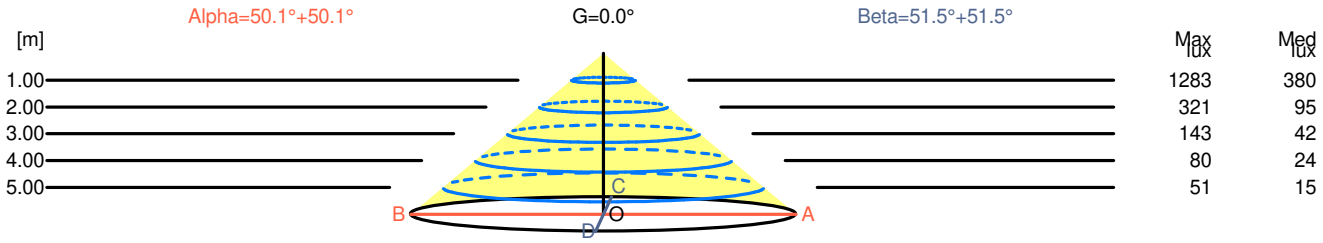
Width at 50.00 % of Max Intensity

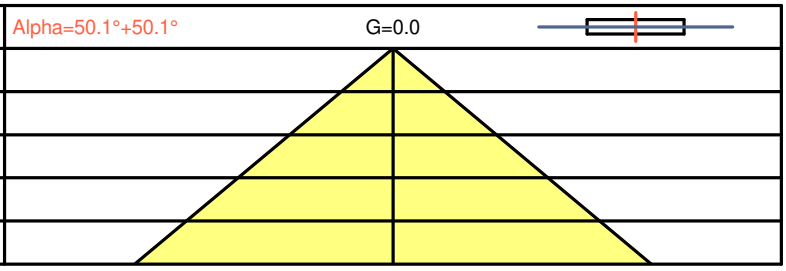
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.20	2.39	3.59	4.79	5.99	OC	1.26	2.52	3.78	5.03	6.29
OB	1.20	2.39	3.59	4.79	5.99	OD	1.26	2.52	3.78	5.03	6.29

Luminous Intensities [cd/klm]

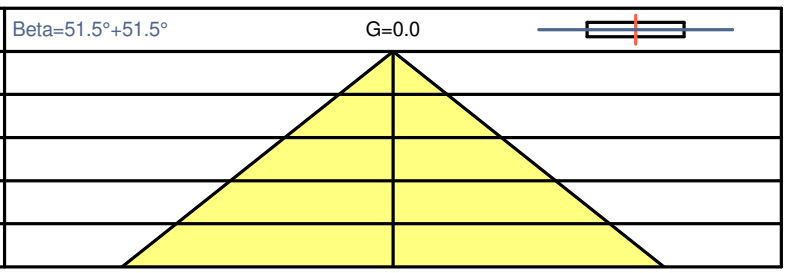
	0	5	15	25	35	45	55	65	75	85
OA	1283.17	1273.86	1204.04	1076.81	914.41	734.42	553.40	373.42	205.33	67.24
OB	1283.17	1273.86	1204.04	1076.81	914.41	734.42	553.40	373.42	205.33	67.24
OC	1283.17	1275.93	1213.35	1098.53	943.37	765.46	575.13	381.69	193.95	40.34
OD	1283.17	1275.93	1213.35	1098.53	943.37	765.46	575.13	381.69	193.95	40.34



H[m]	D[m]	Max lux	Med lux
1.00	2.39	1283	380
2.00	4.79	321	95
3.00	7.18	143	42
4.00	9.58	80	24
5.00	11.97	51	15



H[m]	D[m]	Max lux	Med lux
1.00	2.52	1283	380
2.00	5.03	321	95
3.00	7.55	143	42
4.00	10.07	80	24
5.00	12.58	51	15



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Luminaire Flux	3291 lm	Luminaire Power	29.6 W	Efficacy	111.119 lm/W	Efficiency	63.64%
Source Flux	5172 lm	Maximum value	248.10 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	18.8	20.1	19.1	20.3	20.6	21.0	22.3	21.3	22.5	22.8
x=2H y=3H	19.8	21.0	20.1	21.2	21.5	22.4	23.6	22.7	23.8	24.1
x=2H y=4H	20.1	21.2	20.4	21.5	21.8	22.9	24.0	23.2	24.3	24.5
x=2H y=6H	20.3	21.3	20.6	21.6	21.9	23.2	24.2	23.6	24.5	24.8
x=2H y=8H	20.3	21.3	20.7	21.6	21.9	23.3	24.3	23.6	24.6	24.9
x=2H y=12H	20.3	21.3	20.7	21.6	21.9	23.3	24.3	23.7	24.6	24.9
x=4H y=2H	19.4	20.5	19.7	20.8	21.1	21.2	22.3	21.6	22.6	22.9
x=4H y=3H	20.5	21.5	20.9	21.8	22.2	22.7	23.7	23.1	24.0	24.3
x=4H y=4H	21.0	21.8	21.4	22.2	22.5	23.3	24.2	23.7	24.5	24.9
x=4H y=6H	21.2	22.0	21.7	22.3	22.7	23.7	24.5	24.2	24.8	25.2
x=4H y=8H	21.3	22.0	21.7	22.4	22.8	23.8	24.5	24.3	24.9	25.3
x=4H y=12H	21.3	22.0	21.8	22.4	22.8	23.9	24.5	24.3	24.9	25.3
x=8H y=4H	21.2	21.8	21.6	22.2	22.6	23.4	24.0	23.8	24.4	24.8
x=8H y=6H	21.5	22.1	22.0	22.5	23.0	23.9	24.4	24.3	24.8	25.3
x=8H y=8H	21.7	22.1	22.1	22.6	23.1	24.0	24.5	24.5	24.9	25.4
x=8H y=12H	21.7	22.1	22.2	22.6	23.1	24.1	24.5	24.6	24.9	25.4
x=12H y=4H	21.2	21.8	21.6	22.2	22.6	23.4	24.0	23.8	24.4	24.8
x=12H y=6H	21.6	22.1	22.0	22.5	23.0	23.8	24.3	24.3	24.8	25.2
x=12H y=8H	21.7	22.1	22.2	22.6	23.1	24.0	24.4	24.5	24.9	25.4

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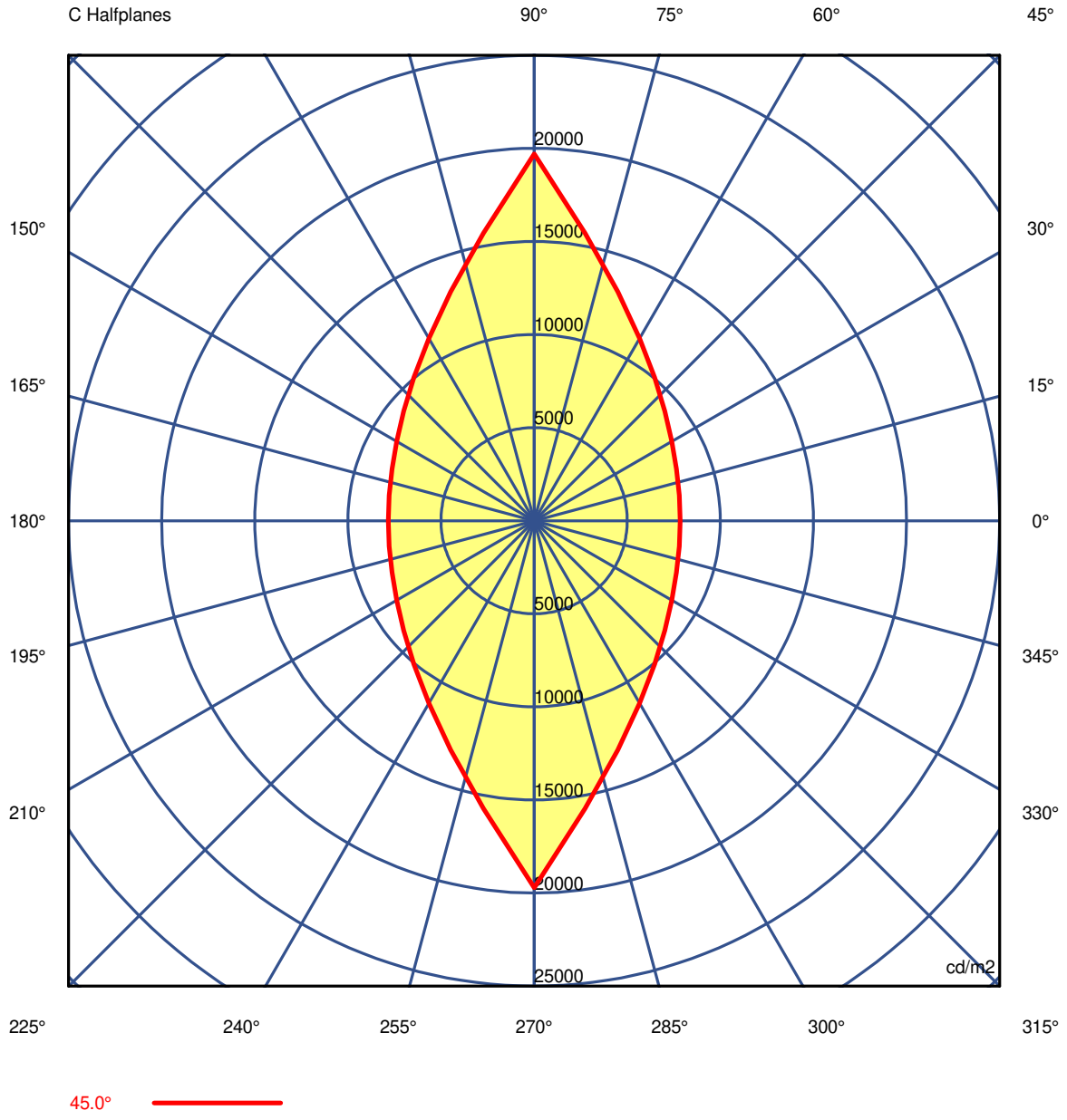
Luminaire Flux	3291 lm	Luminaire Power	29.6 W	Efficacy	111.119 lm/W	Efficiency	63.64%
Source Flux	5172 lm	Maximum value	248.10 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



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Source Flux	5172 lm	Maximum value	248.10 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	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862
G 5.0	21792	21820	21923	22103	22366	22700	23102	23573	24103	24678	24103	23573	23102
G 10.0	19235	19268	19433	19735	20174	20740	21436	22278	23256	24359	23256	22278	21436
G 15.0	17015	17072	17278	17644	18190	18924	19849	20976	22328	23927	22328	20976	19849
G 20.0	15055	15118	15347	15758	16383	17225	18304	19663	21348	23415	21348	19663	18304
G 25.0	13308	13380	13623	14057	14720	15623	16806	18344	20305	22802	20305	18344	16806
G 30.0	11731	11805	12053	12495	13170	14115	15377	17026	19198	22104	19198	17026	15377
G 35.0	10319	10391	10630	11063	11737	12685	13969	15701	18059	21354	18059	15701	13969
G 40.0	9025	9098	9328	9743	10399	11332	12618	14402	16896	20556	16896	14402	12618
G 45.0	7845	7914	8133	8529	9155	10057	11318	13098	15695	19709	15695	13098	11318
G 50.0	6774	6831	7030	7396	7981	8834	10045	11793	14440	18783	14440	11793	10045
G 55.0	5778	5834	6009	6334	6867	7653	8787	10482	13141	17797	13141	10482	8787
G 60.0	4834	4880	5041	5335	5800	6501	7545	9137	11757	16720	11757	9137	7545
G 65.0	3930	3975	4106	4348	4753	5362	6272	7716	10216	15382	10216	7716	6272
G 70.0	3068	3097	3200	3397	3724	4217	4968	6201	8486	13824	8486	6201	4968
G 75.0	2247	2268	2342	2482	2716	3079	3648	4618	6532	11714	6532	4618	3648
G 80.0	1467	1477	1523	1601	1740	1961	2317	2947	4314	8927	4314	2947	2317
G 85.0	791	793	809	832	886	971	1108	1383	2048	5174	2048	1383	1108
G 90.0	391	387	386	383	377	372	371	383	470	1562	470	383	371

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Source Flux	5172 lm	Maximum value	248.10 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	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862
G 5.0	22700	22366	22103	21923	21820	21792	21820	21923	22103	22366	22700	23102	23573
G 10.0	20740	20174	19735	19433	19268	19235	19268	19433	19735	20174	20740	21436	22278
G 15.0	18924	18190	17644	17278	17072	17015	17072	17278	17644	18190	18924	19849	20976
G 20.0	17225	16383	15758	15347	15118	15055	15118	15347	15758	16383	17225	18304	19663
G 25.0	15623	14720	14057	13623	13380	13308	13380	13623	14057	14720	15623	16806	18344
G 30.0	14115	13170	12495	12053	11805	11731	11805	12053	12495	13170	14115	15377	17026
G 35.0	12685	11737	11063	10630	10391	10319	10391	10630	11063	11737	12685	13969	15701
G 40.0	11332	10399	9743	9328	9098	9025	9098	9328	9743	10399	11332	12618	14402
G 45.0	10057	9155	8529	8133	7914	7845	7914	8133	8529	9155	10057	11318	13098
G 50.0	8834	7981	7396	7030	6831	6774	6831	7030	7396	7981	8834	10045	11793
G 55.0	7653	6867	6334	6009	5834	5778	5834	6009	6334	6867	7653	8787	10482
G 60.0	6501	5800	5335	5041	4880	4834	4880	5041	5335	5800	6501	7545	9137
G 65.0	5362	4753	4348	4106	3975	3930	3975	4106	4348	4753	5362	6272	7716
G 70.0	4217	3724	3397	3200	3097	3068	3097	3200	3397	3724	4217	4968	6201
G 75.0	3079	2716	2482	2342	2268	2247	2268	2342	2482	2716	3079	3648	4618
G 80.0	1961	1740	1601	1523	1477	1467	1477	1523	1601	1740	1961	2317	2947
G 85.0	971	886	832	809	793	791	793	809	832	886	971	1108	1383
G 90.0	372	377	383	386	387	391	387	386	383	377	372	371	383

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Source Flux	5172 lm	Maximum value	248.10 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	24862	24862	24862	24862	24862	24862	24862	24862	24862	24862
G 5.0	24103	24678	24103	23573	23102	22700	22366	22103	21923	21820
G 10.0	23256	24359	23256	22278	21436	20740	20174	19735	19433	19268
G 15.0	22328	23927	22328	20976	19849	18924	18190	17644	17278	17072
G 20.0	21348	23415	21348	19663	18304	17225	16383	15758	15347	15118
G 25.0	20305	22802	20305	18344	16806	15623	14720	14057	13623	13380
G 30.0	19198	22104	19198	17026	15377	14115	13170	12495	12053	11805
G 35.0	18059	21354	18059	15701	13969	12685	11737	11063	10630	10391
G 40.0	16896	20556	16896	14402	12618	11332	10399	9743	9328	9098
G 45.0	15695	19709	15695	13098	11318	10057	9155	8529	8133	7914
G 50.0	14440	18783	14440	11793	10045	8834	7981	7396	7030	6831
G 55.0	13141	17797	13141	10482	8787	7653	6867	6334	6009	5834
G 60.0	11757	16720	11757	9137	7545	6501	5800	5335	5041	4880
G 65.0	10216	15382	10216	7716	6272	5362	4753	4348	4106	3975
G 70.0	8486	13824	8486	6201	4968	4217	3724	3397	3200	3097
G 75.0	6532	11714	6532	4618	3648	3079	2716	2482	2342	2268
G 80.0	4314	8927	4314	2947	2317	1961	1740	1601	1523	1477
G 85.0	2048	5174	2048	1383	1108	971	886	832	809	793
G 90.0	470	1562	470	383	371	372	377	383	386	387