

Luminaire

Code 90517+90500L010

Name REBA 50 EXT L2820+INT ASYM K3 830 HO

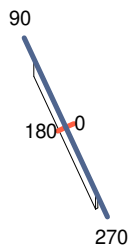
Measurem.

Code 6/7/2023

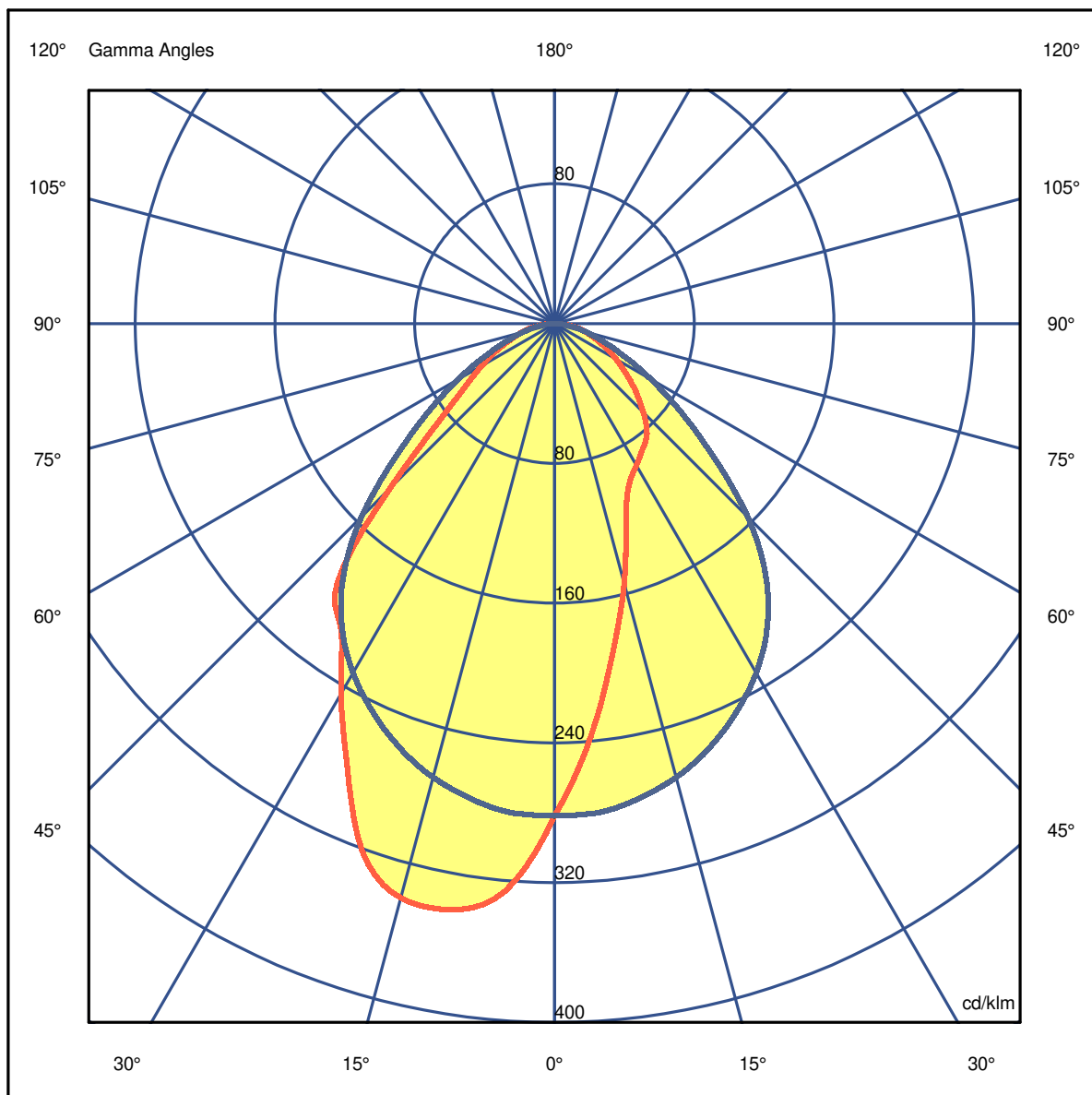
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Luminaire Flux	6657 lm	Luminaire Power	73.2 W	Efficacy	90.945 lm/W	Efficiency	53.73%
Source Flux	12390 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

2820mm x 50mm



C Halfplanes



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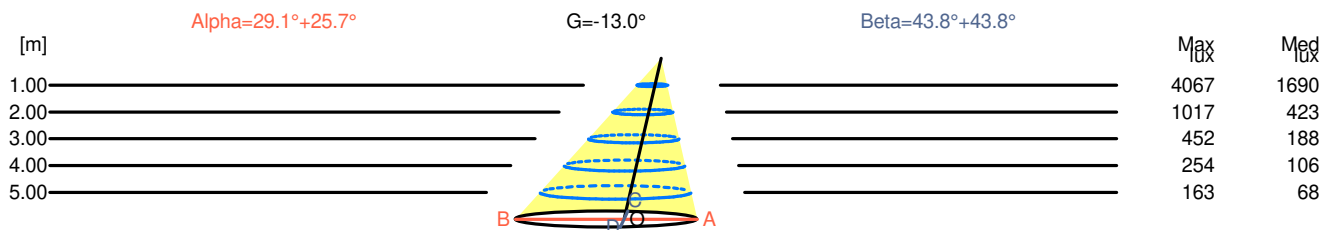
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Width at 50.00 % of Max Intensity

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	0.46	0.91	1.37	1.82	2.28	OC	0.98	1.97	2.95	3.94	4.92
OB	0.67	1.35	2.02	2.70	3.37	OD	0.98	1.97	2.95	3.94	4.92

	0	5	15	25	35	45	55	65	75	85
OA	3491.50	2942.62	1908.06	1252.63	1087.84	889.60	621.98	396.48	224.26	73.10
OB	3491.50	4040.38	4215.08	3477.87	2641.55	1650.35	773.14	453.47	244.08	89.21
OC	3491.50	3482.83	3330.43	3044.22	2629.16	1935.32	1096.52	543.92	235.41	58.23
OD	3491.50	3482.83	3330.43	3044.22	2629.16	1935.32	1096.52	543.92	235.41	58.23



H[m]	D[m]	Max lux	Med lux	Alpha=29.1°+25.7°	G=-13.0	
1.00	1.13	4067	1690			
2.00	2.26	1017	423			
3.00	3.39	452	188			
4.00	4.52	254	106			
5.00	5.65	163	68			

H[m]	D[m]	Max lux	Med lux	Beta=43.8°+43.8°	G=0.0	
1.00	1.97	4067	1690			
2.00	3.94	1017	423			
3.00	5.91	452	188			
4.00	7.87	254	106			
5.00	9.84	163	68			

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Source Flux	12390 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

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	17.8	18.9	18.0	19.1	19.3	20.1	21.2	20.4	21.4	21.7
x=2H y=3H	18.1	19.1	18.4	19.4	19.6	20.7	21.7	21.0	22.0	22.3
x=2H y=4H	18.2	19.2	18.5	19.4	19.7	20.9	21.9	21.3	22.2	22.5
x=2H y=6H	18.3	19.2	18.6	19.5	19.8	21.1	22.0	21.5	22.3	22.6
x=2H y=8H	18.3	19.2	18.6	19.5	19.8	21.2	22.0	21.5	22.3	22.7
x=2H y=12H	18.3	19.1	18.7	19.4	19.8	21.2	22.0	21.6	22.4	22.7
x=4H y=2H	18.1	19.1	18.5	19.4	19.6	20.1	21.1	20.4	21.3	21.6
x=4H y=3H	18.6	19.4	19.0	19.7	20.1	20.8	21.7	21.2	22.0	22.3
x=4H y=4H	18.8	19.5	19.2	19.8	20.2	21.1	21.9	21.5	22.2	22.6
x=4H y=6H	18.9	19.5	19.3	19.9	20.3	21.4	22.0	21.8	22.4	22.8
x=4H y=8H	18.9	19.5	19.4	19.9	20.3	21.5	22.0	21.9	22.4	22.8
x=4H y=12H	18.9	19.5	19.4	19.9	20.3	21.5	22.0	21.9	22.4	22.8
x=8H y=4H	18.9	19.4	19.3	19.8	20.2	21.1	21.7	21.6	22.1	22.5
x=8H y=6H	19.1	19.5	19.5	19.9	20.4	21.4	21.9	21.9	22.3	22.8
x=8H y=8H	19.1	19.5	19.6	20.0	20.5	21.5	21.9	22.0	22.4	22.8
x=8H y=12H	19.1	19.5	19.6	20.0	20.5	21.5	21.9	22.0	22.4	22.9
x=12H y=4H	18.8	19.4	19.3	19.8	20.2	21.1	21.6	21.5	22.0	22.4
x=12H y=6H	19.1	19.5	19.6	19.9	20.4	21.4	21.8	21.9	22.2	22.7
x=12H y=8H	19.1	19.5	19.6	19.9	20.4	21.5	21.8	22.0	22.3	22.8

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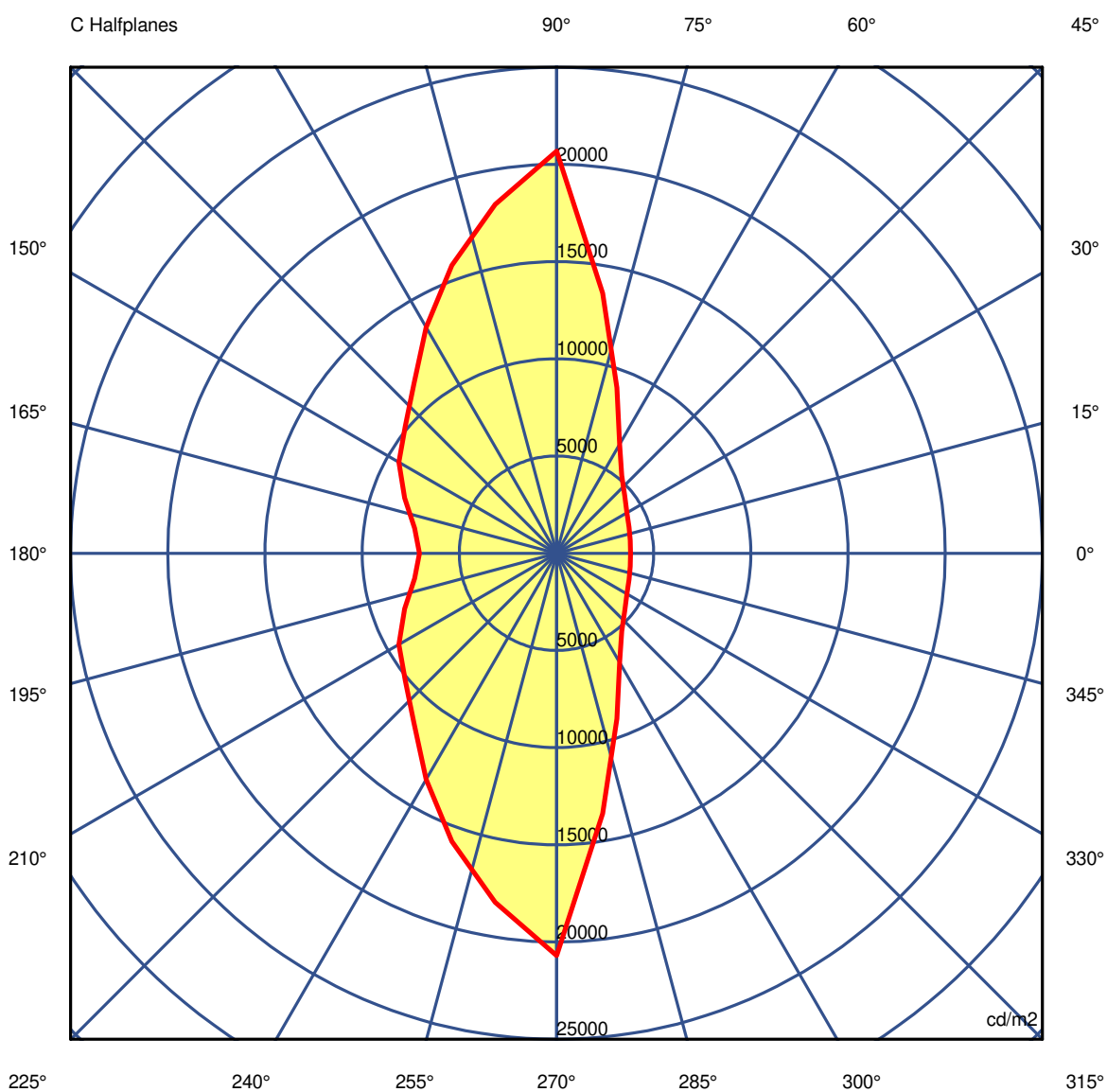
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Luminance



45.0°

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Source Flux	12390 lm		Maximum value		341.90 cd/klm		Position		C=165.00 G=15.00		CG		Asymmetrical	
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	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	
G 5.0	20143	20205	20454	20918	21551	22350	23331	24496	25752	27044	27087	27270	27538	
G 10.0	14646	14791	15234	16007	17006	18314	19979	21960	24220	26809	27102	27408	27530	
G 15.0	10790	10942	11371	12152	13281	14886	17024	19637	22747	26549	27014	27114	26660	
G 20.0	7782	7943	8386	9226	10490	12173	14429	17531	21366	26190	26703	26416	25300	
G 25.0	6194	6293	6555	7124	8191	9870	12292	15624	19961	25733	26033	25307	23659	
G 30.0	5459	5536	5729	6097	6776	8136	10458	13863	18592	25226	25182	23804	21439	
G 35.0	4912	4977	5130	5438	6026	7003	8805	12176	17263	24444	23616	21592	18832	
G 40.0	4456	4487	4608	4827	5290	6092	7642	10699	15722	23089	21165	18745	16182	
G 45.0	3802	3846	3962	4181	4575	5223	6481	9062	13594	20688	18226	15772	13428	
G 50.0	3171	3194	3280	3448	3751	4338	5378	7172	10755	17270	14765	12394	10389	
G 55.0	2599	2597	2713	2920	3165	3595	4410	5748	8607	14297	11554	9356	7558	
G 60.0	2102	2059	2203	2468	2645	2958	3587	4615	6879	11717	8753	6903	5529	
G 65.0	1670	1633	1732	1924	2073	2368	2893	3654	5278	9457	6509	4948	3919	
G 70.0	1298	1311	1385	1522	1633	1851	2239	2804	4056	7661	4761	3493	2737	
G 75.0	982	999	1063	1155	1241	1409	1715	2166	3186	6435	3473	2467	1937	
G 80.0	700	708	757	846	895	1003	1223	1579	2326	5360	2443	1669	1272	
G 85.0	344	348	365	397	446	515	627	835	1278	4005	1308	880	681	
G 90.0	117	142	157	161	167	175	191	235	312	2619	388	341	322	

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Source Flux		12390 lm		Maximum value		341.90 cd/klm		Position		C=165.00 G=15.00		CG		Asymmetrical	
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	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069
G 5.0	27692	27730	27729	27754	27693	27657	27714	27754	27729	27730	27692	27538	27270	27408	27408
G 10.0	27312	26888	26505	26345	26170	26029	26170	26345	26505	26888	27312	27530	27408	27408	27408
G 15.0	25913	25163	24610	24301	24015	23835	24015	24301	24610	25163	25913	26660	27114	27408	27408
G 20.0	24176	23103	22246	21701	21220	20937	21220	21701	22246	23103	24176	25300	26416	27408	27408
G 25.0	22079	20584	19243	18261	17530	17198	17530	18261	19243	20584	22079	23659	25307	27408	27408
G 30.0	19376	17482	15919	15103	14557	14258	14557	15103	15919	17482	19376	21439	23804	27408	27408
G 35.0	16531	14718	13367	12541	12083	11928	12083	12541	13367	14718	16531	18832	21592	27408	27408
G 40.0	13990	12332	11342	11023	10736	10489	10736	11023	11342	12332	13990	16182	18745	27408	27408
G 45.0	11411	10167	9367	8332	7419	7054	7419	8332	9367	10167	11411	13428	15772	27408	27408
G 50.0	8949	7427	5953	5114	4649	4454	4649	5114	5953	7427	8949	10389	12394	27408	27408
G 55.0	6149	4934	4008	3573	3343	3230	3343	3573	4008	4934	6149	7558	9356	27408	27408
G 60.0	4317	3457	2970	2711	2553	2485	2553	2711	2970	3457	4317	5529	6903	27408	27408
G 65.0	3054	2486	2201	2050	1952	1909	1952	2050	2201	2486	3054	3919	4948	27408	27408
G 70.0	2140	1814	1646	1543	1470	1431	1470	1543	1646	1814	2140	2737	3493	27408	27408
G 75.0	1541	1324	1234	1154	1092	1069	1092	1154	1234	1324	1541	1937	2467	27408	27408
G 80.0	1045	926	859	798	751	734	751	798	859	926	1045	1272	1669	27408	27408
G 85.0	573	520	490	459	432	420	432	459	490	520	573	681	880	27408	27408
G 90.0	317	314	309	300	279	264	279	300	309	314	317	322	341	27408	27408

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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	27069	27069	27069	27069	27069	27069	27069	27069	27069	27069
G 5.0	27087	27044	25752	24496	23331	22350	21551	20918	20454	20205
G 10.0	27102	26809	24220	21960	19979	18314	17006	16007	15234	14791
G 15.0	27014	26549	22747	19637	17024	14886	13281	12152	11371	10942
G 20.0	26703	26190	21366	17531	14429	12173	10490	9226	8386	7943
G 25.0	26033	25733	19961	15624	12292	9870	8191	7124	6555	6293
G 30.0	25182	25226	18592	13863	10458	8136	6776	6097	5729	5536
G 35.0	23616	24444	17263	12176	8805	7003	6026	5438	5130	4977
G 40.0	21165	23089	15722	10699	7642	6092	5290	4827	4608	4487
G 45.0	18226	20688	13594	9062	6481	5223	4575	4181	3962	3846
G 50.0	14765	17270	10755	7172	5378	4338	3751	3448	3283	3194
G 55.0	11554	14297	8607	5748	4410	3595	3165	2920	2713	2597
G 60.0	8753	11717	6879	4615	3587	2958	2645	2468	2203	2059
G 65.0	6509	9457	5278	3654	2893	2368	2073	1924	1732	1633
G 70.0	4761	7661	4056	2804	2239	1851	1633	1522	1385	1311
G 75.0	3473	6435	3186	2166	1715	1409	1241	1155	1063	999
G 80.0	2443	5360	2326	1579	1223	1003	895	846	757	708
G 85.0	1308	4005	1278	835	627	515	446	397	365	348
G 90.0	388	2619	312	235	191	175	167	161	157	142