

Luminaire

Code 90517+90500L004

Name REBA 50 EXT L1138+INT ASYM 840 HO

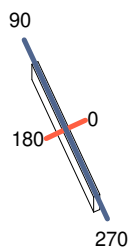
Measurem.

Code 6/7/2023

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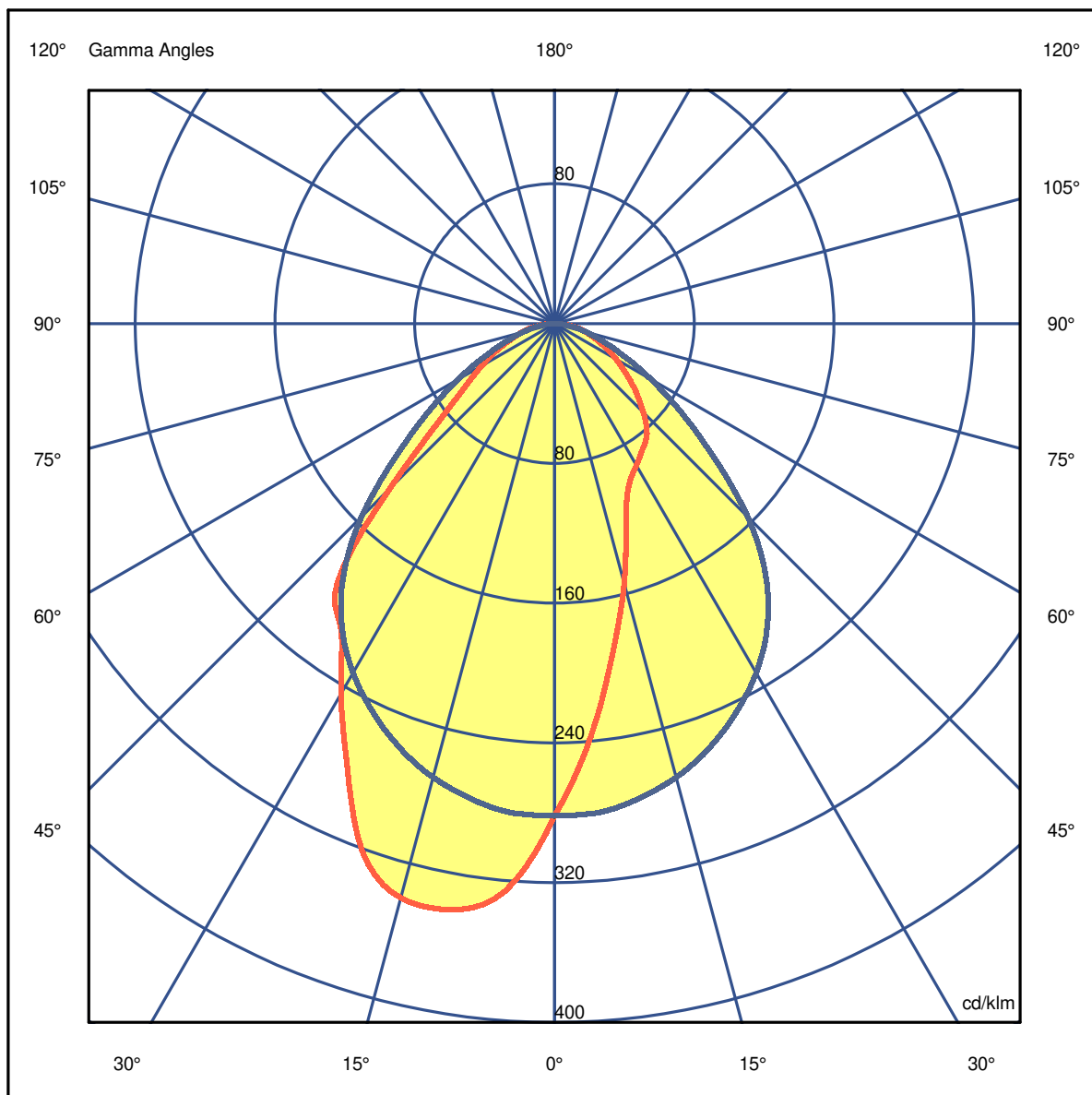
Luminaire Flux	2779 lm	Luminaire Power	28.8 W	Efficacy	96.557 lm/W	Efficiency	53.73%
Source Flux	5172 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

1138mm x 50mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



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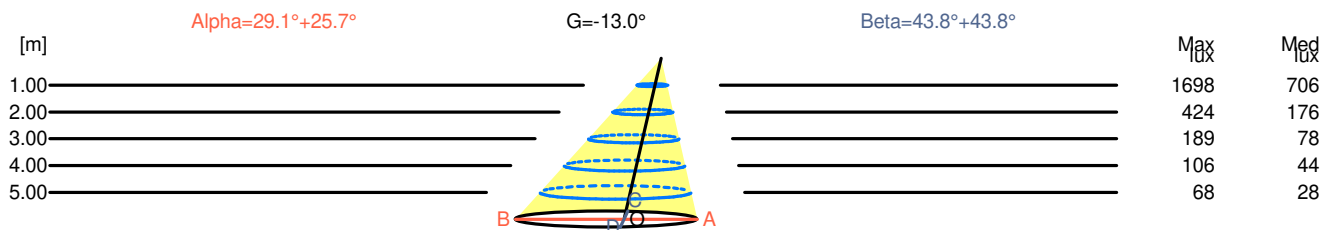
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Width at 50.00 % of Max Intensity

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	0.46	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

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1457.47	1228.35	796.49	522.89	454.10	371.35	259.63	165.50	93.61	30.51
OB	1457.47	1686.59	1759.51	1451.78	1102.67	688.91	322.73	189.30	101.89	37.24
OC	1457.47	1453.85	1390.23	1270.76	1097.50	807.87	457.72	227.05	98.27	24.31
OD	1457.47	1453.85	1390.23	1270.76	1097.50	807.87	457.72	227.05	98.27	24.31



H[m]	D[m]	Max lux	Med lux	Alpha=29.1°+25.7°	G=-13.0	
1.00	1.13	1698	706			
2.00	2.26	424	176			
3.00	3.39	189	78			
4.00	4.52	106	44			
5.00	5.65	68	28			

H[m]	D[m]	Max lux	Med lux	Beta=43.8°+43.8°	G=0.0	
1.00	1.97	1698	706			
2.00	3.94	424	176			
3.00	5.91	189	78			
4.00	7.87	106	44			
5.00	9.84	68	28			

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Source Flux	5172 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	17.9	19.0	18.2	19.2	19.5	20.1	21.2	20.4	21.5	21.7
x=2H y=3H	18.2	19.2	18.5	19.5	19.8	20.7	21.8	21.1	22.0	22.3
x=2H y=4H	18.3	19.3	18.7	19.6	19.9	21.0	21.9	21.3	22.2	22.5
x=2H y=6H	18.4	19.3	18.7	19.6	19.9	21.1	22.0	21.5	22.3	22.6
x=2H y=8H	18.4	19.3	18.8	19.6	19.9	21.2	22.0	21.5	22.3	22.6
x=2H y=12H	18.4	19.2	18.8	19.6	19.9	21.2	22.0	21.6	22.3	22.7
x=4H y=2H	18.2	19.2	18.6	19.5	19.8	20.1	21.1	20.5	21.4	21.6
x=4H y=3H	18.7	19.5	19.1	19.8	20.2	20.9	21.7	21.2	22.0	22.4
x=4H y=4H	18.9	19.6	19.3	20.0	20.3	21.2	21.9	21.5	22.2	22.6
x=4H y=6H	19.0	19.6	19.4	20.0	20.4	21.4	22.0	21.8	22.4	22.8
x=4H y=8H	19.1	19.6	19.5	20.0	20.4	21.4	22.0	21.9	22.4	22.8
x=4H y=12H	19.1	19.6	19.5	20.0	20.4	21.5	22.0	21.9	22.4	22.8
x=8H y=4H	19.0	19.5	19.4	19.9	20.3	21.1	21.7	21.6	22.1	22.5
x=8H y=6H	19.2	19.7	19.6	20.1	20.5	21.4	21.9	21.9	22.3	22.8
x=8H y=8H	19.3	19.7	19.7	20.1	20.6	21.5	21.9	22.0	22.3	22.8
x=8H y=12H	19.3	19.6	19.8	20.1	20.6	21.5	21.9	22.0	22.3	22.9
x=12H y=4H	19.0	19.5	19.4	19.9	20.3	21.1	21.6	21.6	22.0	22.4
x=12H y=6H	19.2	19.6	19.7	20.0	20.5	21.4	21.8	21.9	22.2	22.7
x=12H y=8H	19.2	19.6	19.7	20.1	20.6	21.5	21.8	22.0	22.3	22.8

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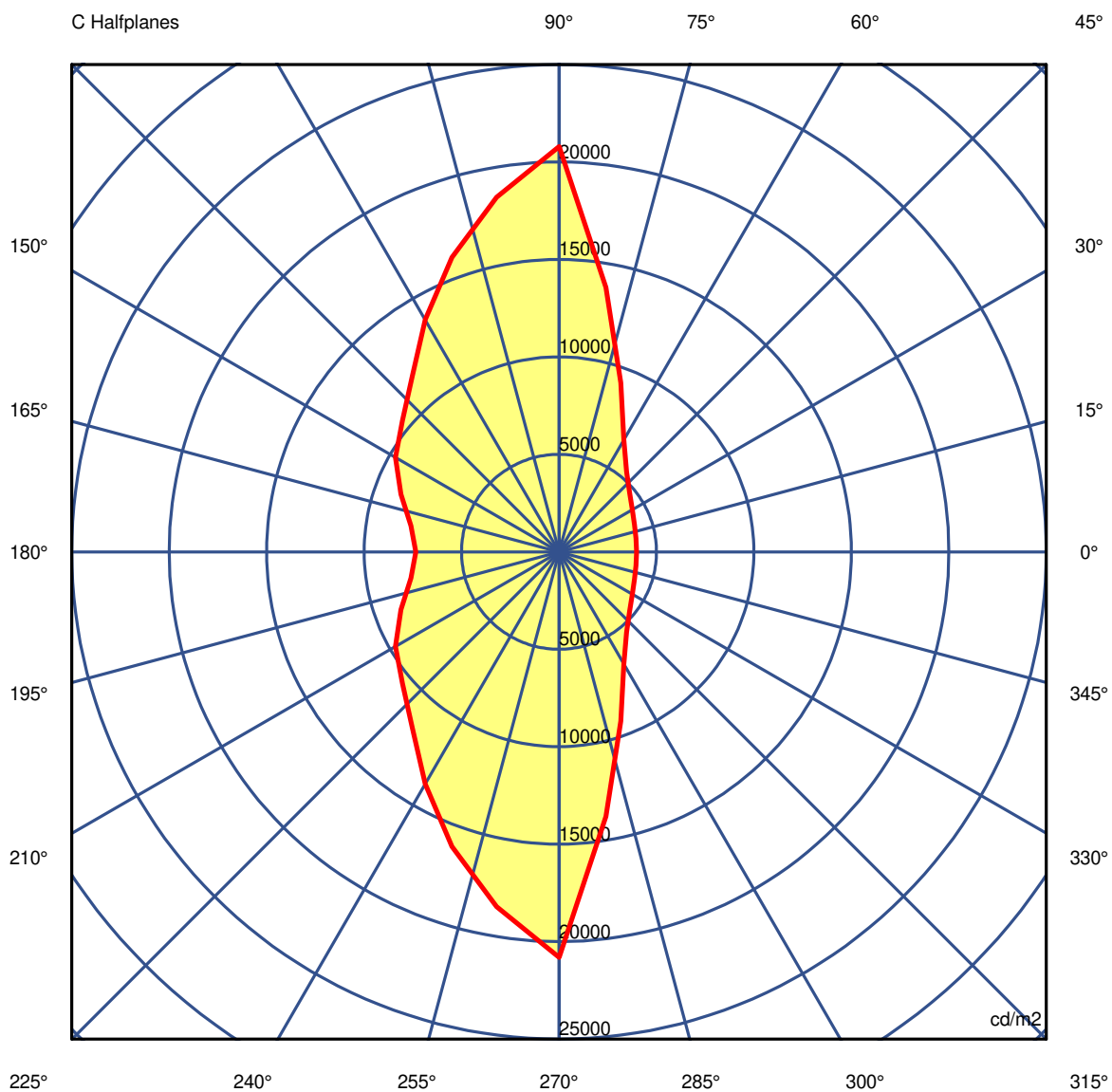
Measurem.

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Name REBA 50 EXT L1138+INT ASYM 840 HO

Luminaire Flux	2779 lm	Luminaire Power	28.8 W	Efficacy	96.557 lm/W	Efficiency	53.73%
Source Flux	5172 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

Luminance



45.0°

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Luminaire Flux	2779 lm		Luminaire Power		28.8 W		Efficacy		96.557 lm/W		Efficiency		53.73%	
Source Flux	5172 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	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	
G 5.0	21013	21068	21316	21789	22438	23261	24273	25477	26778	28119	28166	28363	28650	
G 10.0	15279	15416	15864	16653	17677	19022	20736	22777	25108	27780	28094	28428	28573	
G 15.0	11256	11400	11833	12630	13786	15434	17630	20314	23509	27415	27919	28049	27609	
G 20.0	8118	8273	8721	9580	10876	12600	14912	18091	22015	26948	27514	27260	26148	
G 25.0	6462	6553	6814	7391	8483	10201	12680	16084	20505	26377	26743	26052	24406	
G 30.0	5695	5763	5952	6322	7010	8398	10769	14238	19040	25752	25788	24447	22075	
G 35.0	5124	5181	5328	5634	6228	7219	9050	12475	17622	24843	24107	22123	19357	
G 40.0	4648	4670	4783	4998	5463	6272	7841	10936	15994	23349	21531	19159	16604	
G 45.0	3967	4002	4111	4327	4720	5371	6638	9239	13779	20801	18474	16081	13754	
G 50.0	3308	3322	3403	3566	3866	4455	5498	7293	10858	17248	14906	12604	10622	
G 55.0	2711	2701	2813	3018	3259	3687	4501	5829	8650	14164	11612	9488	7713	
G 60.0	2193	2141	2284	2550	2722	3030	3654	4666	6878	11490	8752	6979	5632	
G 65.0	1742	1698	1795	1986	2131	2422	2941	3682	5245	9150	6469	4986	3984	
G 70.0	1354	1363	1435	1571	1677	1890	2271	2815	4002	7273	4697	3506	2777	
G 75.0	1024	1039	1100	1191	1273	1437	1735	2165	3115	5935	3395	2466	1960	
G 80.0	730	736	784	872	917	1022	1234	1571	2247	4696	2360	1659	1284	
G 85.0	359	362	377	409	456	524	630	825	1213	3117	1242	869	685	
G 90.0	122	148	163	166	171	177	191	231	289	1093	359	334	323	

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Source Flux	5172 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	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239	
G 5.0	28821	28872	28884	28924	28874	28852	28897	28924	28884	28872	28821	28650	28363	
G 10.0	28367	27949	27575	27432	27275	27154	27275	27432	27575	27949	28367	28573	28428	
G 15.0	26866	26120	25577	25287	25021	24865	25021	25287	25577	26120	26866	27609	28049	
G 20.0	25025	23952	23099	22569	22103	21842	22103	22569	23099	23952	25025	26148	27260	
G 25.0	22821	21317	19965	18981	18255	17942	18255	18981	19965	21317	22821	24406	26052	
G 30.0	20000	18085	16504	15691	15156	14874	15156	15691	16504	18085	20000	22075	24447	
G 35.0	17041	15211	13849	13024	12577	12444	12577	13024	13849	15211	17041	19357	22123	
G 40.0	14403	12734	11744	11442	11173	10942	11173	11442	11744	12734	14403	16604	19159	
G 45.0	11733	10490	9693	8646	7719	7359	7719	8646	9693	10490	11733	13754	16081	
G 50.0	9190	7656	6157	5304	4836	4646	4836	5304	6157	7656	9190	10622	12604	
G 55.0	6307	5082	4143	3705	3477	3370	3477	3705	4143	5082	6307	7713	9488	
G 60.0	4422	3557	3068	2810	2655	2592	2655	2810	3068	3557	4422	5632	6979	
G 65.0	3124	2556	2272	2124	2030	1992	2030	2124	2272	2556	3124	3984	4986	
G 70.0	2186	1863	1699	1599	1529	1492	1529	1599	1699	1863	2186	2777	3506	
G 75.0	1572	1358	1272	1195	1135	1115	1135	1195	1272	1358	1572	1960	2466	
G 80.0	1064	949	885	825	780	765	780	825	885	949	1064	1284	1659	
G 85.0	582	532	505	475	449	438	449	475	505	532	582	685	869	
G 90.0	322	321	318	310	290	275	290	310	318	321	322	323	334	

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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	28239	28239	28239	28239	28239	28239	28239	28239	28239	28239
G 5.0	28166	28119	26778	25477	24273	23261	22438	21789	21316	21068
G 10.0	28094	27780	25108	22777	20736	19022	17677	16653	15864	15416
G 15.0	27919	27415	23509	20314	17630	15434	13786	12630	11833	11400
G 20.0	27514	26948	22015	18091	14912	12600	10876	9580	8721	8273
G 25.0	26743	26377	20505	16084	12680	10201	8483	7391	6814	6553
G 30.0	25788	25752	19040	14238	10769	8398	7010	6322	5952	5763
G 35.0	24107	24843	17622	12475	9050	7219	6228	5634	5328	5181
G 40.0	21531	23349	15994	10936	7841	6272	5463	4998	4783	4670
G 45.0	18474	20801	13779	9239	6638	5371	4720	4327	4111	4002
G 50.0	14906	17248	10858	7293	5498	4455	3866	3566	3405	3322
G 55.0	11612	14164	8650	5829	4501	3687	3259	3018	2813	2701
G 60.0	8752	11490	6878	4666	3654	3030	2722	2550	2284	2141
G 65.0	6469	9150	5245	3682	2941	2422	2131	1986	1795	1698
G 70.0	4697	7273	4002	2815	2271	1890	1677	1571	1435	1363
G 75.0	3395	5935	3115	2165	1735	1437	1273	1191	1100	1039
G 80.0	2360	4696	2247	1571	1234	1022	917	872	784	736
G 85.0	1242	3117	1213	825	630	524	456	409	377	362
G 90.0	359	1093	289	231	191	177	171	166	163	148