

Luminaire

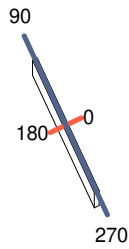
Code 90517+90500L005
Name REBA 50 EXT L1418+INT ASYM K3 840 HO

Measur.

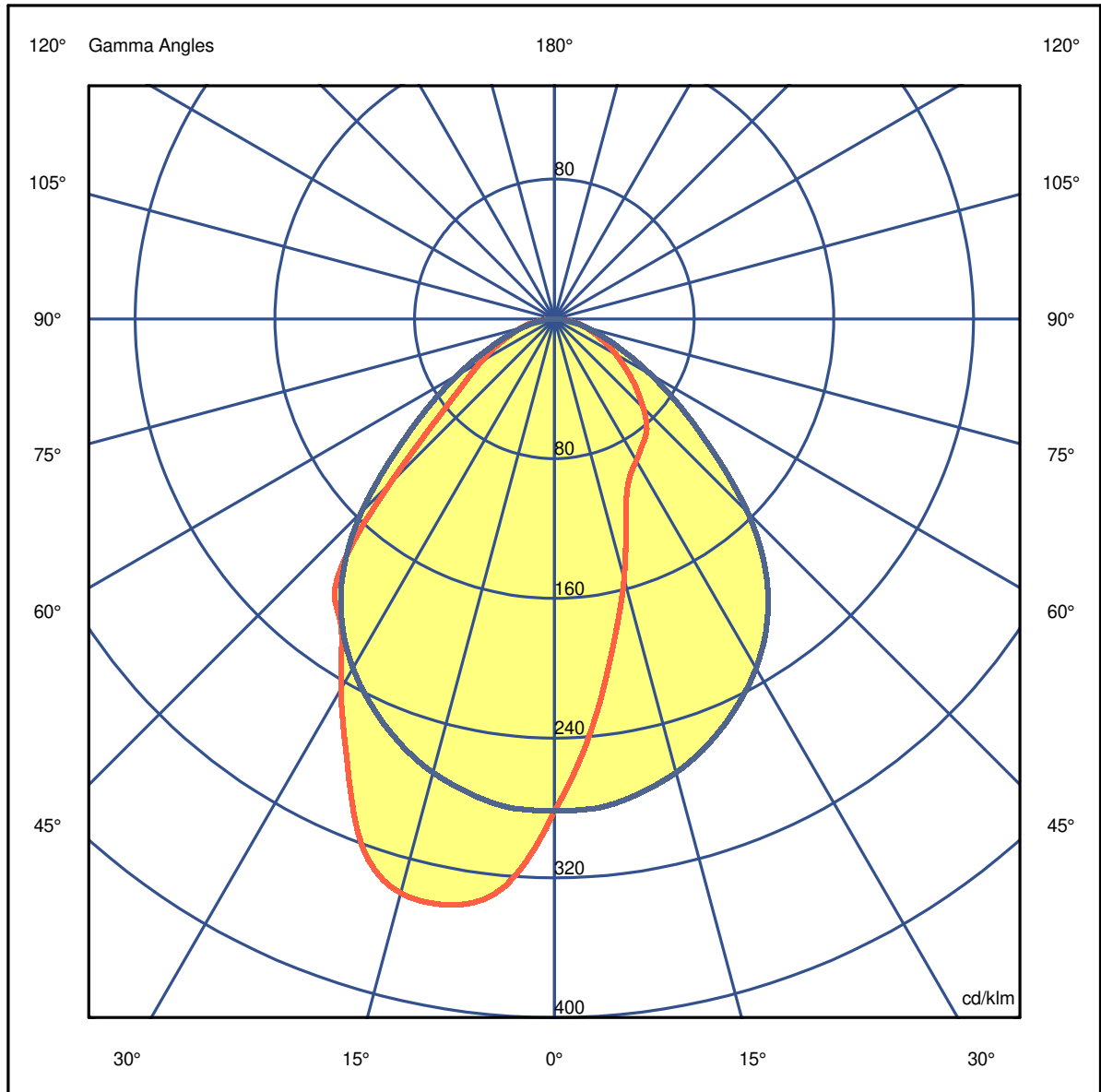
Code 6/7/2023
Name REBA 50 EXT L1418+INT ASYM K3 840 HO

Luminaire Flux	3474 lm	Luminaire Power	36.5 W	Efficacy	95.194 lm/W	Efficiency	53.73%
Source Flux	6465 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

1418mm x 50mm



C Halfplanes



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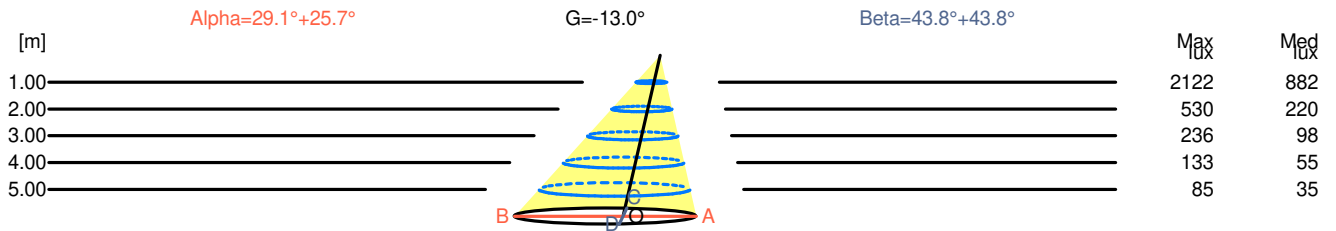
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Width at 50.00 % of Max Intensity

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

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	1821.84	1535.44	995.61	653.61	567.63	464.19	324.54	206.88	117.02	38.14
OB	1821.84	2108.24	2199.39	1814.73	1378.34	861.14	403.42	236.62	127.36	46.55
OC	1821.84	1817.31	1737.79	1588.45	1371.87	1009.83	572.15	283.81	122.83	30.39
OD	1821.84	1817.31	1737.79	1588.45	1371.87	1009.83	572.15	283.81	122.83	30.39



H[m]	D[m]	Max lux	Med lux	Alpha=29.1°+25.7°	G=-13.0	
1.00	1.13	2122	882			
2.00	2.26	530	220			
3.00	3.39	236	98			
4.00	4.52	133	55			
5.00	5.65	85	35			

H[m]	D[m]	Max lux	Med lux	Beta=43.8°+43.8°	G=0.0	
1.00	1.97	2122	882			
2.00	3.94	530	220			
3.00	5.91	236	98			
4.00	7.87	133	55			
5.00	9.84	85	35			

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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	20.2	21.3	20.4	21.5	21.7
x=2H y=3H	18.2	19.2	18.5	19.5	19.8	20.8	21.8	21.1	22.1	22.3
x=2H y=4H	18.3	19.3	18.7	19.6	19.9	21.0	22.0	21.4	22.3	22.5
x=2H y=6H	18.4	19.3	18.8	19.6	19.9	21.2	22.1	21.5	22.4	22.7
x=2H y=8H	18.4	19.3	18.8	19.6	19.9	21.2	22.1	21.6	22.4	22.7
x=2H y=12H	18.4	19.2	18.8	19.6	19.9	21.2	22.1	21.6	22.4	22.7
x=4H y=2H	18.2	19.2	18.6	19.5	19.8	20.1	21.1	20.5	21.4	21.7
x=4H y=3H	18.7	19.5	19.1	19.9	20.2	20.9	21.7	21.3	22.1	22.4
x=4H y=4H	18.9	19.6	19.3	20.0	20.3	21.2	21.9	21.6	22.3	22.6
x=4H y=6H	19.0	19.7	19.5	20.0	20.4	21.4	22.1	21.8	22.4	22.8
x=4H y=8H	19.1	19.6	19.5	20.0	20.4	21.5	22.1	21.9	22.5	22.9
x=4H y=12H	19.1	19.6	19.5	20.0	20.4	21.5	22.1	22.0	22.5	22.9
x=8H y=4H	19.0	19.6	19.4	20.0	20.4	21.2	21.7	21.6	22.1	22.5
x=8H y=6H	19.2	19.7	19.6	20.1	20.5	21.5	21.9	21.9	22.3	22.8
x=8H y=8H	19.3	19.7	19.7	20.1	20.6	21.6	22.0	22.0	22.4	22.9
x=8H y=12H	19.3	19.6	19.8	20.1	20.6	21.6	21.9	22.1	22.4	22.9
x=12H y=4H	19.0	19.5	19.4	19.9	20.3	21.1	21.7	21.6	22.1	22.5
x=12H y=6H	19.2	19.6	19.7	20.0	20.5	21.4	21.9	21.9	22.3	22.8
x=12H y=8H	19.3	19.6	19.7	20.1	20.6	21.5	21.9	22.0	22.3	22.8

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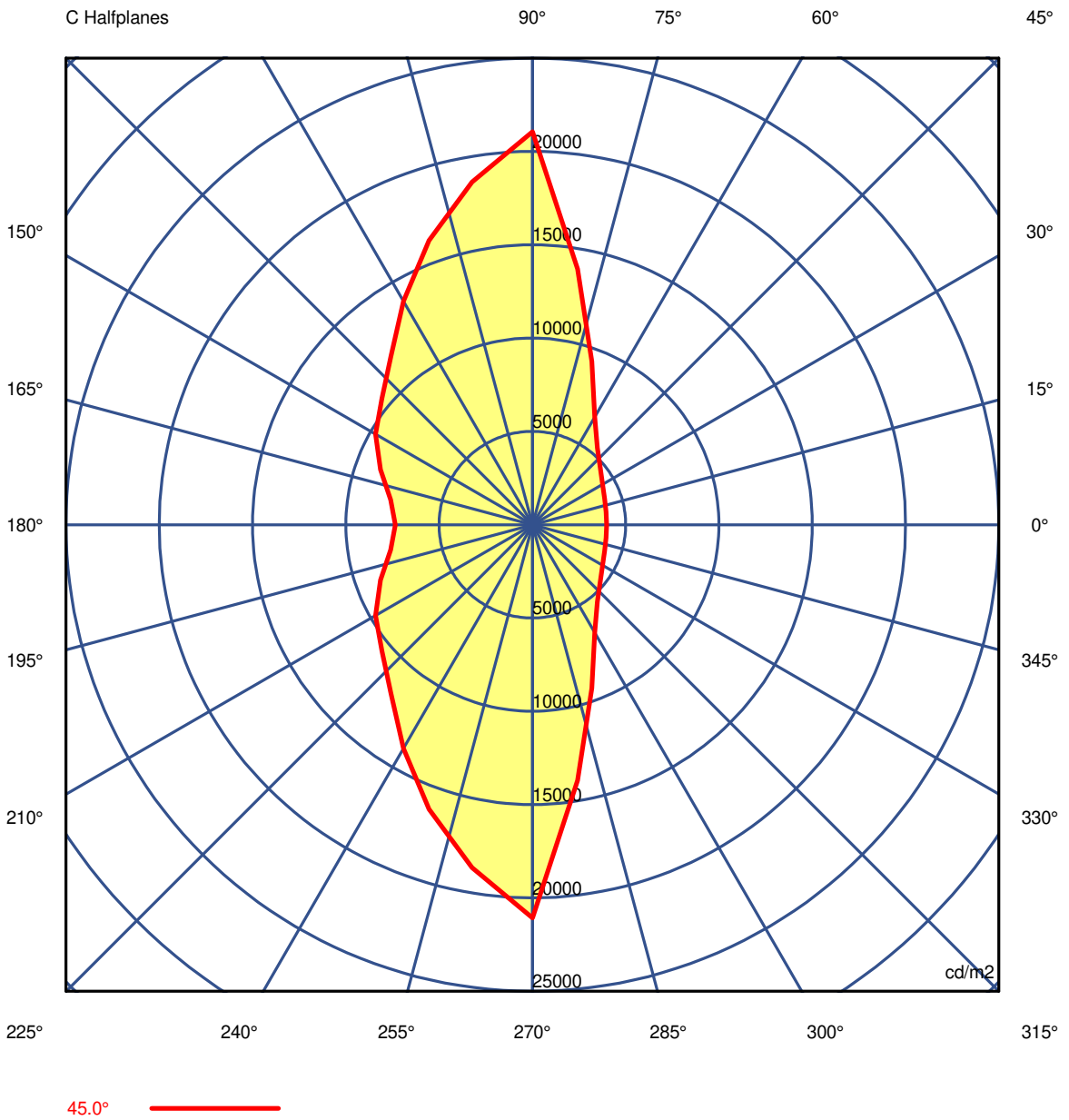
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Luminaire Flux	3474 lm	Luminaire Power	36.5 W	Efficacy	95.194 lm/W	Efficiency	53.73%
Source Flux	6465 lm	Maximum value	341.90 cd/klm	Position	C=165.00 G=15.00	CG	Asymmetrical

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Source Flux	6465 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	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249
G 5.0	21021	21079	21331	21807	22461	23287	24304	25512	26816	28160	28207	28401	28686
G 10.0	15285	15426	15879	16674	17705	19056	20779	22829	25169	27852	28164	28493	28632
G 15.0	11260	11409	11847	12650	13813	15471	17679	20378	23591	27518	28016	28137	27687
G 20.0	8121	8281	8733	9598	10902	12637	14964	18163	22114	27081	27637	27368	26238
G 25.0	6464	6559	6824	7407	8507	10236	12732	16161	20617	26541	26889	26177	24506
G 30.0	5697	5769	5962	6337	7032	8430	10819	14317	19164	25946	25956	24583	22179
G 35.0	5126	5186	5337	5649	6249	7250	9098	12554	17755	25067	24289	22263	19459
G 40.0	4650	4675	4793	5013	5483	6302	7887	11014	16134	23598	21719	19296	16701
G 45.0	3968	4007	4120	4340	4739	5399	6681	9312	13916	21062	18657	16209	13842
G 50.0	3309	3326	3410	3578	3883	4480	5537	7357	10980	17503	15073	12715	10697
G 55.0	2712	2705	2820	3028	3274	3709	4535	5885	8760	14410	11759	9580	7772
G 60.0	2193	2144	2290	2559	2735	3050	3684	4716	6977	11728	8878	7054	5679
G 65.0	1742	1700	1799	1994	2142	2439	2967	3726	5331	9380	6575	5045	4019
G 70.0	1355	1365	1439	1577	1687	1904	2293	2852	4077	7500	4785	3552	2803
G 75.0	1025	1040	1103	1196	1280	1449	1753	2196	3183	6175	3469	2501	1981
G 80.0	731	737	786	876	923	1030	1248	1596	2304	4963	2421	1686	1299
G 85.0	359	362	379	411	459	528	638	840	1251	3406	1281	885	693
G 90.0	122	148	163	167	172	179	194	235	300	1366	373	341	327

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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	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249
G 5.0	28854	28901	28909	28944	28890	28862	28912	28944	28909	28901	28854	28686	28401
G 10.0	28419	27993	27610	27459	27293	27163	27293	27459	27610	27993	28419	28632	28493
G 15.0	26931	26172	25618	25317	25040	24874	25040	25317	25618	26172	26931	27687	28137
G 20.0	25099	24010	23143	22600	22122	21850	22122	22600	23143	24010	25099	26238	27368
G 25.0	22899	21376	20008	19010	18272	17948	18272	19010	20008	21376	22899	24506	26177
G 30.0	20078	18142	16544	15718	15171	14879	15171	15718	16544	18142	20078	22179	24583
G 35.0	17114	15264	13885	13048	12591	12448	12591	13048	13885	15264	17114	19459	22263
G 40.0	14472	12782	11777	11465	11186	10946	11186	11465	11777	12782	14472	16701	19296
G 45.0	11794	10532	9722	8664	7729	7361	7729	8664	9722	10532	11794	13842	16209
G 50.0	9241	7689	6177	5316	4842	4648	4842	5316	6177	7689	9241	10697	12715
G 55.0	6345	5105	4157	3714	3482	3371	3482	3714	4157	5105	6345	7772	9580
G 60.0	4451	3575	3079	2817	2659	2593	2659	2817	3079	3575	4451	5679	7054
G 65.0	3145	2569	2281	2129	2033	1993	2033	2129	2281	2569	3145	4019	5045
G 70.0	2202	1874	1705	1603	1531	1493	1531	1603	1705	1874	2202	2803	3552
G 75.0	1584	1366	1277	1198	1136	1115	1136	1198	1277	1366	1584	1981	2501
G 80.0	1073	955	889	828	781	766	781	828	889	955	1073	1299	1686
G 85.0	588	535	507	476	449	438	449	476	507	535	588	693	885
G 90.0	325	323	319	311	290	275	290	311	319	323	325	327	341

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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	28249	28249	28249	28249	28249	28249	28249	28249	28249	28249
G 5.0	28207	28160	26816	25512	24304	23287	22461	21807	21331	21079
G 10.0	28164	27852	25169	22829	20779	19056	17705	16674	15879	15426
G 15.0	28016	27518	23591	20378	17679	15471	13813	12650	11847	11409
G 20.0	27637	27081	22114	18163	14964	12637	10902	9598	8733	8281
G 25.0	26889	26541	20617	16161	12732	10236	8507	7407	6824	6559
G 30.0	25956	25946	19164	14317	10819	8430	7032	6337	5962	5769
G 35.0	24289	25067	17755	12554	9098	7250	6249	5649	5337	5186
G 40.0	21719	23598	16134	11014	7887	6302	5483	5013	4793	4675
G 45.0	18657	21062	13916	9312	6681	5399	4739	4340	4120	4007
G 50.0	15073	17503	10980	7357	5537	4480	3883	3578	3413	3326
G 55.0	11759	14410	8760	5885	4535	3709	3274	3028	2820	2705
G 60.0	8878	11728	6977	4716	3684	3050	2735	2559	2290	2144
G 65.0	6575	9380	5331	3726	2967	2439	2142	1994	1799	1700
G 70.0	4785	7500	4077	2852	2293	1904	1687	1577	1439	1365
G 75.0	3469	6175	3183	2196	1753	1449	1280	1196	1103	1040
G 80.0	2421	4963	2304	1596	1248	1030	923	876	786	737
G 85.0	1281	3406	1251	840	638	528	459	411	379	362
G 90.0	373	1366	300	235	194	179	172	167	163	148