

Luminaire

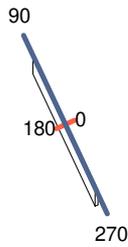
Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measur.

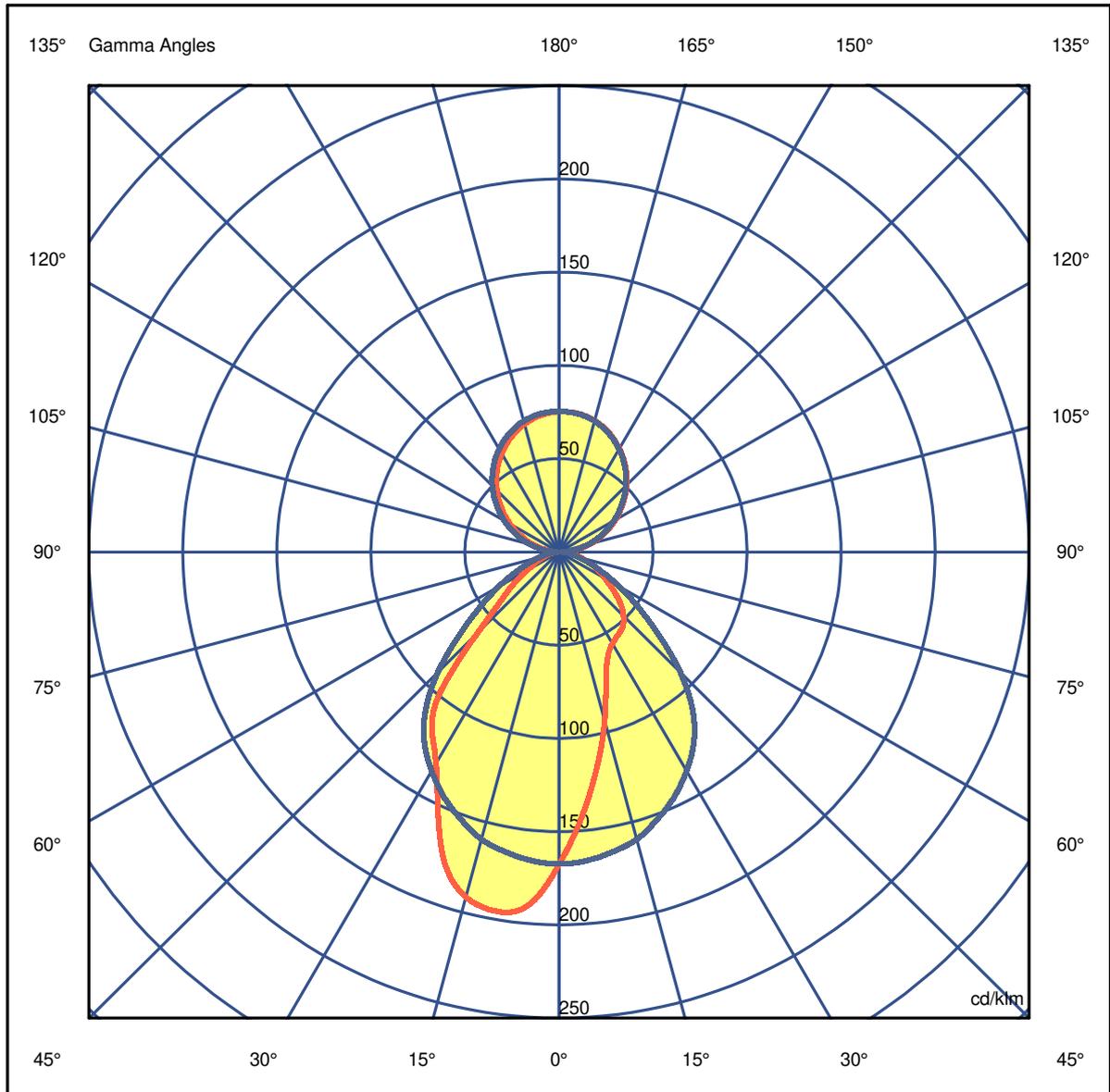
Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	CG	Asymmetrical

2540mm x 50mm



C Halfplanes



Luminaire

Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measurem.

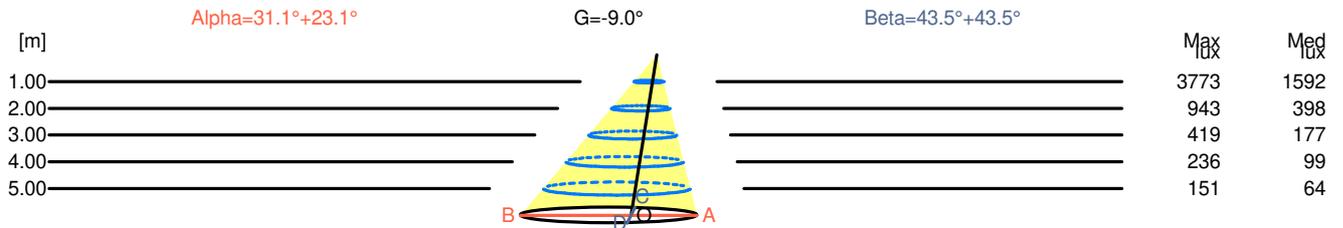
Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	CG	Asymmetrical

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	0.41	0.82	1.23	1.63	2.04	OC	0.96	1.92	2.88	3.84	4.80
OB	0.68	1.37	2.05	2.74	3.42	OD	0.96	1.92	2.88	3.84	4.80

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	3307.82	2801.97	1847.56	1213.26	1074.94	958.36	689.62	448.55	243.05	86.94
OB	3307.82	3762.30	3786.02	3013.40	2327.73	1205.36	573.04	272.69	126.46	35.57
OC	3307.82	3284.11	3151.72	2865.20	2468.02	1800.14	1011.71	501.90	215.38	53.35
OD	3307.82	3284.11	3151.72	2865.20	2468.02	1800.14	1011.71	501.90	215.38	53.35



H[m]	D[m]	Max lux	Med lux	Alpha=31.1°+23.1°	G=-9.0	
1.00	1.09	3773	1592			
2.00	2.19	943	398			
3.00	3.28	419	177			
4.00	4.37	236	99			
5.00	5.46	151	64			

H[m]	D[m]	Max lux	Med lux	Beta=43.5°+43.5°	G=0.0	
1.00	1.92	3773	1592			
2.00	3.84	943	398			
3.00	5.76	419	177			
4.00	7.68	236	99			
5.00	9.60	151	64			

Luminaire

Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measurement

Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	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	13.4	14.3	14.3	15.0	16.0	17.0	17.8	17.8	18.6	19.6
x=2H y=3H	13.5	14.2	14.3	15.0	16.0	17.6	18.3	18.4	19.1	20.1
x=2H y=4H	13.5	14.1	14.3	14.9	16.0	17.8	18.4	18.6	19.2	20.3
x=2H y=6H	13.4	14.0	14.2	14.8	15.9	17.9	18.5	18.7	19.3	20.4
x=2H y=8H	13.3	13.9	14.2	14.7	15.8	17.9	18.5	18.8	19.3	20.4
x=2H y=12H	13.3	13.8	14.1	14.7	15.7	17.9	18.4	18.8	19.3	20.4
x=4H y=2H	13.6	14.2	14.4	15.1	16.1	16.8	17.5	17.7	18.3	19.4
x=4H y=3H	13.7	14.2	14.6	15.1	16.2	17.5	18.0	18.3	18.9	19.9
x=4H y=4H	13.7	14.2	14.6	15.0	16.2	17.7	18.2	18.6	19.0	20.2
x=4H y=6H	13.6	14.1	14.6	15.0	16.1	17.9	18.3	18.8	19.2	20.3
x=4H y=8H	13.6	14.0	14.5	14.9	16.1	17.9	18.3	18.9	19.2	20.4
x=4H y=12H	13.5	13.9	14.5	14.8	16.0	17.9	18.3	18.9	19.2	20.4
x=8H y=4H	13.6	14.0	14.6	14.9	16.1	17.6	17.9	18.5	18.8	20.0
x=8H y=6H	13.6	13.9	14.6	14.9	16.1	17.8	18.1	18.7	19.0	20.2
x=8H y=8H	13.6	13.8	14.5	14.8	16.0	17.8	18.1	18.8	19.0	20.3
x=8H y=12H	13.5	13.8	14.5	14.7	16.0	17.9	18.1	18.9	19.1	20.3
x=12H y=4H	13.6	13.9	14.5	14.8	16.0	17.5	17.8	18.4	18.8	19.9
x=12H y=6H	13.5	13.8	14.5	14.8	16.0	17.7	18.0	18.7	18.9	20.1
x=12H y=8H	13.5	13.8	14.5	14.7	16.0	17.8	18.0	18.8	19.0	20.2

Luminaire

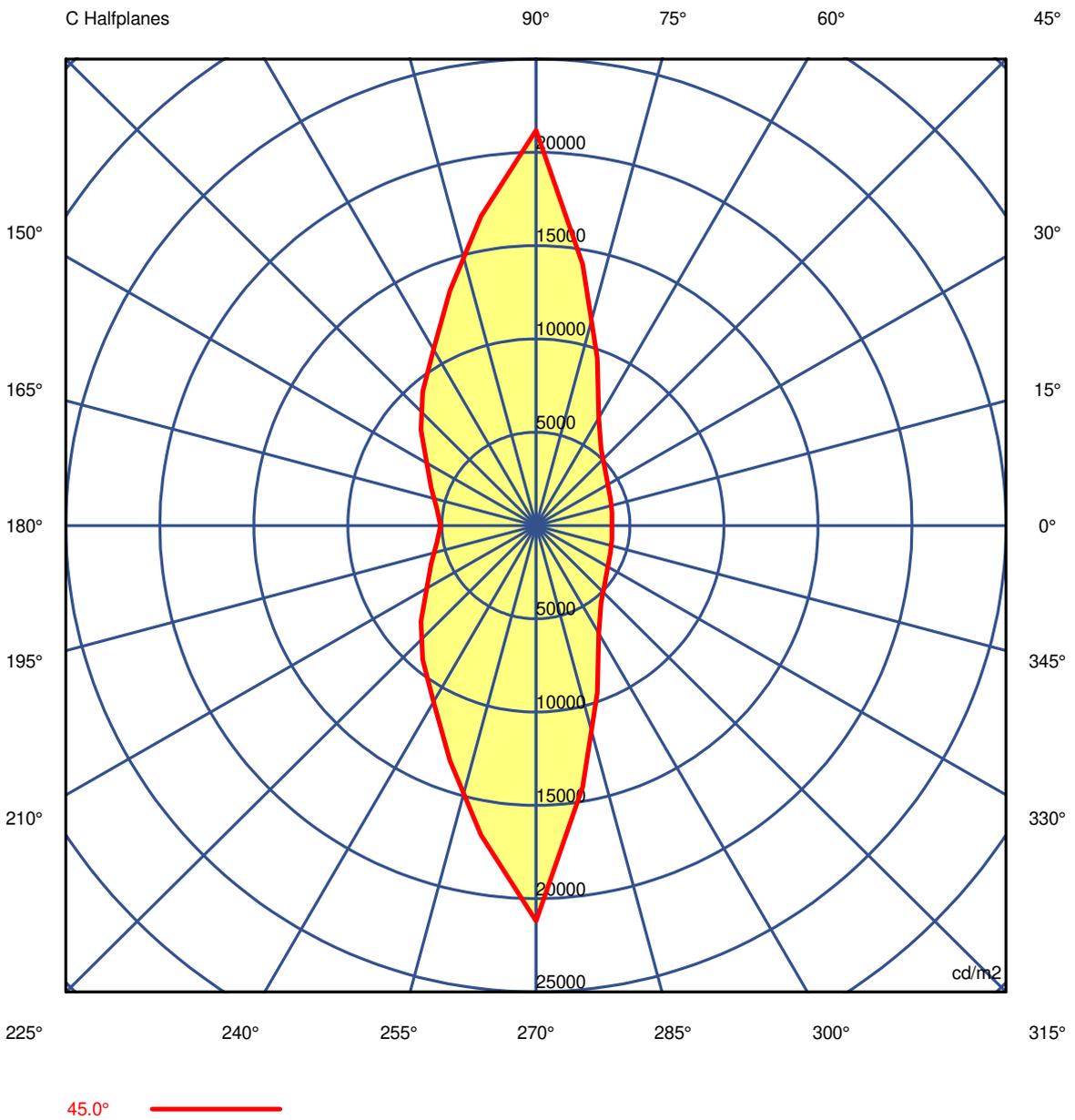
Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measur.

Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	CG	Asymmetrical

Luminance



Luminaire

Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measurement

Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	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	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490
G 5.0	20786	20849	21145	21669	22311	23153	24225	25456	26823	28309	28240	28292	28428
G 10.0	15098	15239	15642	16468	17475	18812	20570	22688	25156	28051	28041	28048	27884
G 15.0	10934	11036	11530	12414	13510	15161	17475	20222	23584	27846	27795	27337	26470
G 20.0	7820	7910	8334	9200	10502	12269	14676	17973	22036	27296	27306	26506	24861
G 25.0	6127	6225	6528	7122	8113	9825	12430	15893	20459	26798	26326	24749	22472
G 30.0	5326	5403	5606	5979	6637	8025	10460	14028	18977	26109	25116	22808	19750
G 35.0	4863	4927	5078	5360	5889	6879	8789	12298	17669	25338	22947	19931	16875
G 40.0	4509	4533	4635	4883	5388	6121	7574	10853	16197	23860	20216	16906	14098
G 45.0	4037	4099	4212	4406	4770	5378	6677	9543	14224	21196	16831	13398	10904
G 50.0	3450	3378	3439	3634	3935	4469	5546	7687	11434	17599	13063	9985	8007
G 55.0	2798	2789	2876	3043	3282	3719	4588	6072	8989	14479	9954	7321	5753
G 60.0	2245	2195	2375	2676	2793	3037	3695	4871	7198	11853	7379	5231	4100
G 65.0	1808	1769	1912	2169	2316	2523	2983	3829	5591	9525	5306	3556	2709
G 70.0	1365	1379	1465	1633	1767	1963	2326	2963	4231	7682	3783	2393	1785
G 75.0	1004	1025	1104	1228	1349	1498	1757	2275	3311	6351	2661	1572	1119
G 80.0	685	673	746	868	929	1048	1290	1670	2458	5329	1690	911	645
G 85.0	380	384	430	520	543	600	739	966	1435	3782	674	311	241
G 90.0	261	249	257	278	273	290	349	409	556	3950	230	100	70

Luminaire

Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measurement

Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	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	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490
G 5.0	28489	28369	28190	28161	28045	27910	28045	28161	28190	28369	28489	28428	28292
G 10.0	27420	26721	26100	25865	25584	25336	25584	25865	26100	26721	27420	27884	28048
G 15.0	25589	24541	23582	23169	22743	22405	22743	23169	23582	24541	25589	26470	27337
G 20.0	23341	21865	20638	20007	19472	19062	19472	20007	20638	21865	23341	24861	26506
G 25.0	20788	18883	17000	16147	15585	15217	15585	16147	17000	18883	20788	22472	24749
G 30.0	17537	15575	13918	13155	12631	12297	12631	13155	13918	15575	17537	19750	22808
G 35.0	14704	12820	11346	10911	10645	10530	10645	10911	11346	12820	14704	16875	19931
G 40.0	11972	10469	9570	9190	8777	8459	8777	9190	9570	10469	11972	14098	16906
G 45.0	9372	7992	6708	5931	5371	5078	5371	5931	6708	7992	9372	10904	13398
G 50.0	6776	5442	4169	3623	3381	3255	3381	3623	4169	5442	6776	8007	9985
G 55.0	4593	3600	2867	2560	2408	2325	2408	2560	2867	3600	4593	5753	7321
G 60.0	3172	2414	1919	1722	1615	1552	1615	1722	1919	2414	3172	4100	5231
G 65.0	2034	1563	1310	1200	1134	1099	1134	1200	1310	1563	2034	2709	3556
G 70.0	1379	1141	1014	903	819	787	819	903	1014	1141	1379	1785	2393
G 75.0	876	748	669	586	533	522	533	586	669	748	876	1119	1572
G 80.0	520	457	415	365	329	318	329	365	415	457	520	645	911
G 85.0	219	206	196	185	168	155	168	185	196	206	219	241	311
G 90.0	55	46	41	44	67	99	67	44	41	46	55	70	100

Luminaire

Code 90523+90530L009
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Measurem.

Code 15/5/2023
Name REBA 50 D/I EXT L2540+INT ASYM 830 HO

Luminaire Flux	10265 lm	Luminaire Power	117.2 W	Efficacy	87.570 lm/W	Efficiency	51.95%
Source Flux	19760 lm	Maximum value	197.30 cd/klm	Position	C=165.00 G=10.00	CG	Asymmetrical

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	28490	28490	28490	28490	28490	28490	28490	28490	28490	28490
G 5.0	28240	28309	26823	25456	24225	23153	22311	21669	21145	20849
G 10.0	28041	28051	25156	22688	20570	18812	17475	16468	15642	15239
G 15.0	27795	27846	23584	20222	17475	15161	13510	12414	11530	11036
G 20.0	27306	27296	22036	17973	14676	12269	10502	9200	8334	7910
G 25.0	26326	26798	20459	15893	12430	9825	8113	7122	6528	6225
G 30.0	25116	26109	18977	14028	10460	8025	6637	5979	5606	5403
G 35.0	22947	25338	17669	12298	8789	6879	5889	5360	5078	4927
G 40.0	20216	23860	16197	10853	7574	6121	5388	4883	4652	4533
G 45.0	16831	21196	14224	9543	6677	5378	4770	4406	4212	4099
G 50.0	13063	17599	11434	7687	5546	4469	3935	3634	3439	3378
G 55.0	9954	14479	8989	6072	4588	3719	3282	3043	2876	2789
G 60.0	7379	11853	7198	4871	3695	3037	2793	2676	2375	2195
G 65.0	5306	9525	5591	3829	2983	2523	2316	2169	1912	1769
G 70.0	3783	7682	4231	2963	2326	1963	1767	1633	1465	1379
G 75.0	2661	6351	3311	2275	1757	1498	1349	1228	1104	1025
G 80.0	1690	5329	2458	1670	1290	1048	929	868	746	673
G 85.0	674	3782	1435	966	739	600	543	520	430	384
G 90.0	230	3950	556	409	349	290	273	278	257	249