

Luminaire

Code 90523+90527L009

Name REBA 50 D/I EXT L2540+INT SYM BLINE 830 HO

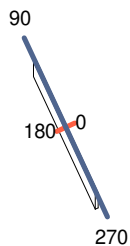
Measur.

Code 15/5/2023

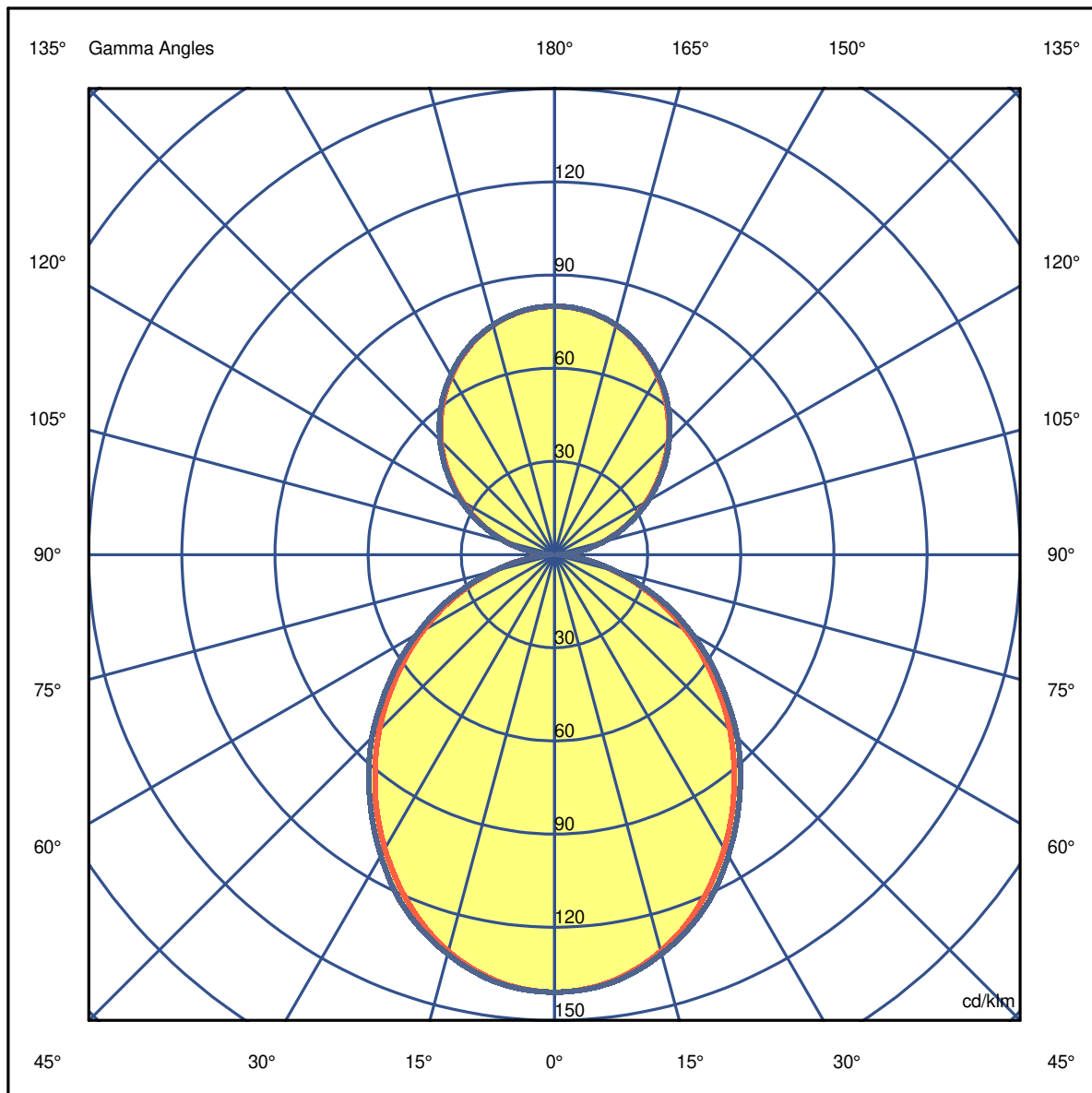
Name REBA 50 D/I EXT L2540+INT SYM BLINE 830 HO

Luminaire Flux	11499 lm	Luminaire Power	117.2 W	Efficacy	98.098 lm/W	Efficiency	58.19%
Source Flux	19760 lm	Maximum value	140.90 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

2540mm x 50mm



C Halfplanes



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Code	90523+90527 E009
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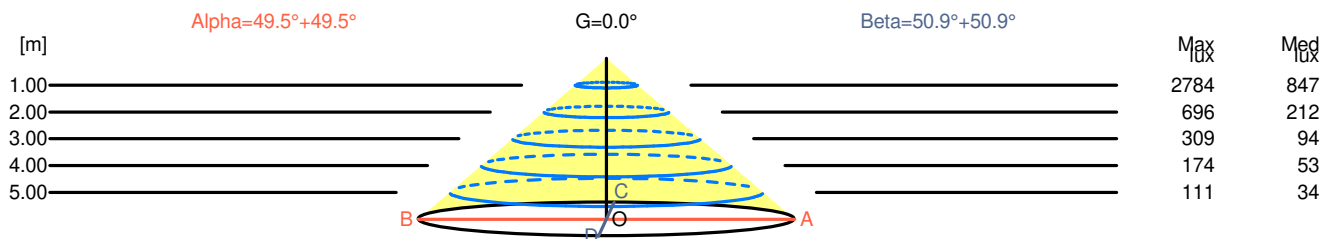
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Width at 50.00 % of Max Intensity


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	1.17	2.34	3.51	4.68	5.84	OC	1.23	2.46	3.69	4.92	6.14
OB	1.17	2.34	3.51	4.68	5.84	OD	1.23	2.46	3.69	4.92	6.14

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	2784.18	2764.42	2612.27	2331.68	1974.02	1576.85	1165.84	766.69	393.22	94.85
OB	2784.18	2764.42	2612.27	2331.68	1974.02	1576.85	1165.84	766.69	393.22	94.85
OC	2784.18	2768.38	2630.06	2383.06	2029.35	1644.03	1221.17	810.16	401.13	82.99
OD	2784.18	2768.38	2630.06	2383.06	2029.35	1644.03	1221.17	810.16	401.13	82.99



H[m]	D[m]	Max lux	Med lux	Alpha=49.5°+49.5°	G=0.0	
1.00	2.34	2784	847			
2.00	4.68	696	212			
3.00	7.01	309	94			
4.00	9.35	174	53			
5.00	11.69	111	34			

H[m]	D[m]	Max lux	Med lux	Beta=50.9°+50.9°	G=0.0	
1.00	2.46	2784	847			
2.00	4.92	696	212			
3.00	7.37	309	94			
4.00	9.83	174	53			
5.00	12.29	111	34			

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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	15.6	16.5	16.4	17.2	18.2	18.1	19.0	18.9	19.8	20.7
x=2H y=3H	16.4	17.2	17.2	18.0	19.0	19.4	20.2	20.2	21.0	22.0
x=2H y=4H	16.6	17.3	17.4	18.1	19.1	19.9	20.6	20.7	21.4	22.4
x=2H y=6H	16.7	17.3	17.5	18.2	19.2	20.1	20.8	20.9	21.6	22.6
x=2H y=8H	16.7	17.3	17.5	18.1	19.2	20.2	20.8	21.0	21.6	22.7
x=2H y=12H	16.6	17.2	17.5	18.1	19.1	20.2	20.8	21.0	21.6	22.7
x=4H y=2H	16.1	16.8	16.9	17.6	18.6	18.2	18.9	19.0	19.7	20.7
x=4H y=3H	17.0	17.6	17.9	18.4	19.5	19.6	20.2	20.4	21.0	22.1
x=4H y=4H	17.3	17.8	18.1	18.7	19.8	20.1	20.6	20.9	21.5	22.5
x=4H y=6H	17.4	17.9	18.3	18.8	19.9	20.4	20.8	21.3	21.7	22.8
x=4H y=8H	17.4	17.8	18.3	18.7	19.8	20.5	20.9	21.4	21.8	22.9
x=4H y=12H	17.4	17.7	18.3	18.6	19.8	20.5	20.8	21.4	21.7	22.9
x=8H y=4H	17.4	17.8	18.3	18.7	19.8	20.0	20.4	20.9	21.3	22.4
x=8H y=6H	17.6	17.9	18.5	18.8	20.0	20.4	20.7	21.3	21.6	22.8
x=8H y=8H	17.6	17.9	18.5	18.8	20.0	20.4	20.7	21.4	21.7	22.8
x=8H y=12H	17.6	17.8	18.5	18.8	20.0	20.5	20.7	21.4	21.7	22.9
x=12H y=4H	17.3	17.7	18.3	18.6	19.8	19.9	20.3	20.9	21.2	22.4
x=12H y=6H	17.5	17.8	18.5	18.8	19.9	20.3	20.6	21.2	21.5	22.7
x=12H y=8H	17.6	17.8	18.5	18.8	20.0	20.4	20.7	21.4	21.6	22.8

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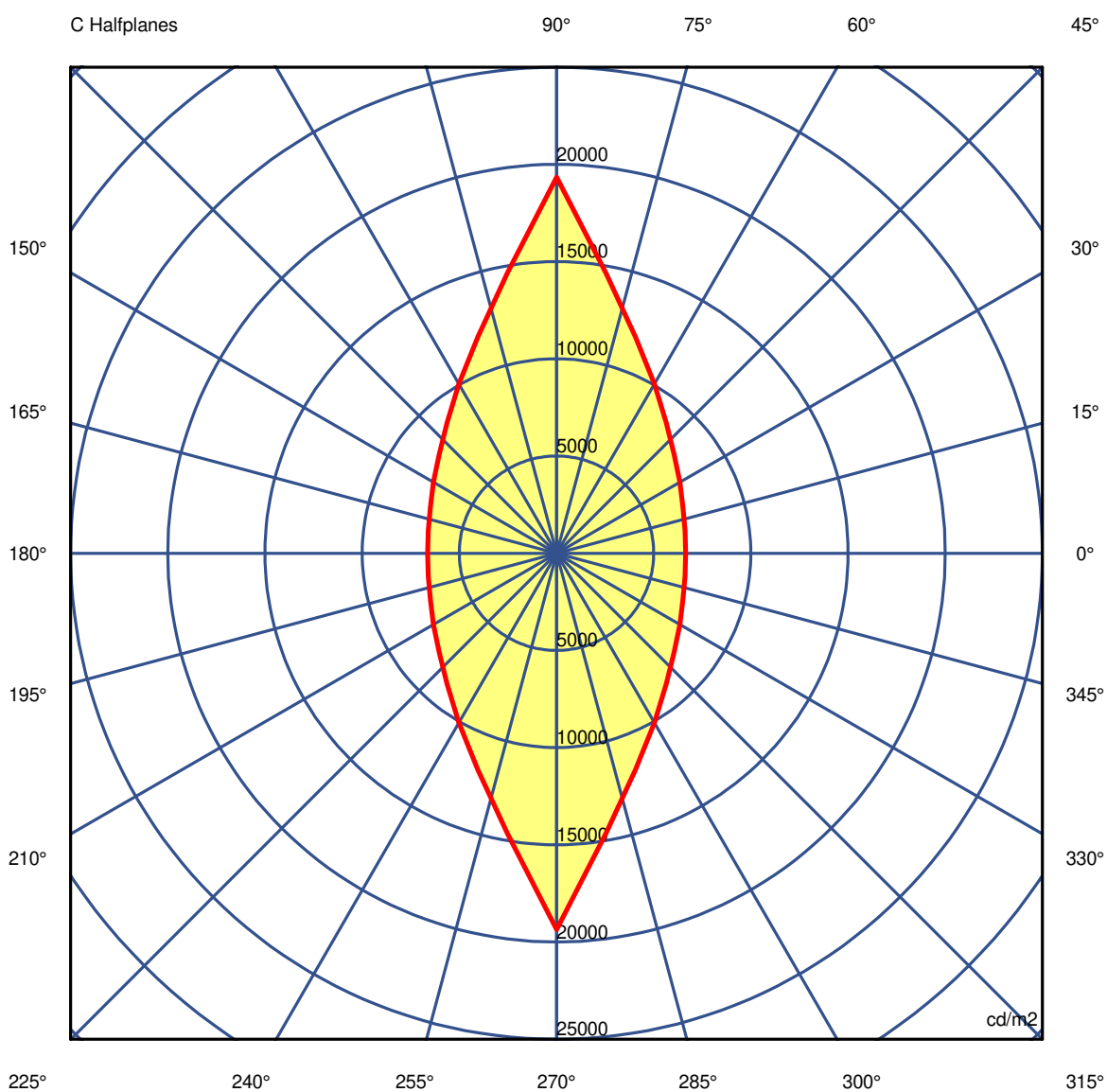
Measurem.

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Source Flux	19760 lm	Maximum value	140.90 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

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Source Flux	19760 lm		Maximum value		140.90 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	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	
G 5.0	20508	20543	20672	20893	21180	21561	22037	22576	23186	23863	23186	22576	22037	
G 10.0	17742	17804	18003	18341	18823	19455	20245	21200	22324	23619	22324	21200	20245	
G 15.0	15459	15528	15766	16173	16751	17547	18578	19826	21365	23237	21365	19826	18578	
G 20.0	13495	13566	13819	14264	14914	15819	17015	18522	20417	22824	20417	18522	17015	
G 25.0	11775	11852	12115	12580	13270	14232	15502	17128	19309	22289	19309	17128	15502	
G 30.0	10268	10336	10588	11054	11765	12723	13992	15738	18154	21562	18154	15738	13992	
G 35.0	8930	8998	9241	9691	10346	11286	12604	14419	16998	20835	16998	14419	12604	
G 40.0	7721	7793	8028	8445	9074	9984	11288	13164	15883	20081	15883	13164	11288	
G 45.0	6643	6701	6916	7315	7893	8775	10064	11849	14626	19358	14626	11849	10064	
G 50.0	5639	5700	5900	6262	6812	7620	8803	10568	13369	18388	13369	10568	8803	
G 55.0	4730	4795	4967	5284	5806	6545	7613	9314	12128	17477	12128	9314	7613	
G 60.0	3893	3938	4087	4366	4817	5478	6454	8011	10728	16478	10728	8011	6454	
G 65.0	3090	3135	3267	3505	3879	4433	5275	6660	9243	15375	9243	6660	5275	
G 70.0	2345	2371	2475	2673	2980	3417	4097	5283	7605	13864	7605	5283	4097	
G 75.0	1624	1644	1723	1869	2085	2402	2905	3800	5694	11827	5694	3800	2905	
G 80.0	978	989	1038	1132	1254	1446	1770	2343	3670	9346	3670	2343	1770	
G 85.0	414	423	455	500	538	612	755	988	1620	5883	1620	988	755	
G 90.0	180	160	162	175	173	186	227	278	430	3950	430	278	227	

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Source Flux		19760 lm		Maximum value		140.90 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	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980
G 5.0	21561	21180	20893	20672	20543	20508	20543	20672	20893	21180	21561	22037	22576												
G 10.0	19455	18823	18341	18003	17804	17742	17804	18003	18341	18823	19455	20245	21200												
G 15.0	17547	16751	16173	15766	15528	15459	15528	15766	16173	16751	17547	18578	19826												
G 20.0	15819	14914	14264	13819	13566	13495	13566	13819	14264	14914	15819	17015	18522												
G 25.0	14232	13270	12580	12115	11852	11775	11852	12115	12580	13270	14232	15502	17128												
G 30.0	12723	11765	11054	10588	10336	10268	10336	10588	11054	11765	12723	13992	15738												
G 35.0	11286	10346	9691	9241	8998	8930	8998	9241	9691	10346	11286	12604	14419												
G 40.0	9984	9074	8445	8028	7793	7721	7793	8028	8445	9074	9984	11288	13164												
G 45.0	8775	7893	7315	6916	6701	6643	6701	6916	7315	7893	8775	10064	11849												
G 50.0	7620	6812	6262	5900	5700	5639	5700	5900	6262	6812	7620	8803	10568												
G 55.0	6545	5806	5284	4967	4795	4730	4795	4967	5284	5806	6545	7613	9314												
G 60.0	5478	4817	4366	4087	3938	3893	3938	4087	4366	4817	5478	6454	8011												
G 65.0	4433	3879	3505	3267	3135	3090	3135	3267	3505	3879	4433	5275	6660												
G 70.0	3417	2980	2673	2475	2371	2345	2371	2475	2673	2980	3417	4097	5283												
G 75.0	2402	2085	1869	1723	1644	1624	1644	1723	1869	2085	2402	2905	3800												
G 80.0	1446	1254	1132	1038	989	978	989	1038	1132	1254	1446	1770	2343												
G 85.0	612	538	500	455	423	414	423	455	500	538	612	755	988												
G 90.0	186	173	175	162	160	180	160	162	175	173	186	227	278												

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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	23980	23980	23980	23980	23980	23980	23980	23980	23980	23980
G 5.0	23186	23863	23186	22576	22037	21561	21180	20893	20672	20543
G 10.0	22324	23619	22324	21200	20245	19455	18823	18341	18003	17804
G 15.0	21365	23237	21365	19826	18578	17547	16751	16173	15766	15528
G 20.0	20417	22824	20417	18522	17015	15819	14914	14264	13819	13566
G 25.0	19309	22289	19309	17128	15502	14232	13270	12580	12115	11852
G 30.0	18154	21562	18154	15738	13992	12723	11765	11054	10588	10336
G 35.0	16998	20835	16998	14419	12604	11286	10346	9691	9241	8998
G 40.0	15883	20081	15883	13164	11288	9984	9074	8445	8028	7793
G 45.0	14626	19358	14626	11849	10064	8775	7893	7315	6916	6701
G 50.0	13369	18388	13369	10568	8803	7620	6812	6262	5900	5700
G 55.0	12128	17477	12128	9314	7613	6545	5806	5284	4967	4795
G 60.0	10728	16478	10728	8011	6454	5478	4817	4366	4087	3938
G 65.0	9243	15375	9243	6660	5275	4433	3879	3505	3267	3135
G 70.0	7605	13864	7605	5283	4097	3417	2980	2673	2475	2371
G 75.0	5694	11827	5694	3800	2905	2402	2085	1869	1723	1644
G 80.0	3670	9346	3670	2343	1770	1446	1254	1132	1038	989
G 85.0	1620	5883	1620	988	755	612	538	500	455	423
G 90.0	430	3950	430	278	227	186	173	175	162	160