

PHOTOMETRIC RESULTS

Name:	REBA 50 D/I EXT L1698+INT SYM BLINE K3 840 HO		
Number:	90523+90527L006	Diameter:	0 mm
Report:	13-02-2020	Length:	1698 mm
Meas.-no.:	01	Width:	50 mm
Lamp type:	LED 840 - 01	Height:	87 mm
Number:	01	Power:	80,75 W
Lamp flux:	12980,00 lm	Operator:	INDEL AGUE GROUP
Date:	13-02-2020 15:12:24	Output ratio:	58,0 %

Protocol

LiTG-class: B43
UTE-class: 0,35 E + 0,23 T
IES-class: 50 - 81 - 96 - 60 - 58
TM5-class: BZ4

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	103,1°	100,0°
Half peak side angle (left)	-51,6°	-50,0°
Half peak side angle (right)	51,6°	50,0°
One tenth peak divergence	157,6°	157,3°
Tenth peak side angle (left)	-78,8°	-78,7°
Tenth peak side angle (right)	78,8°	78,7°

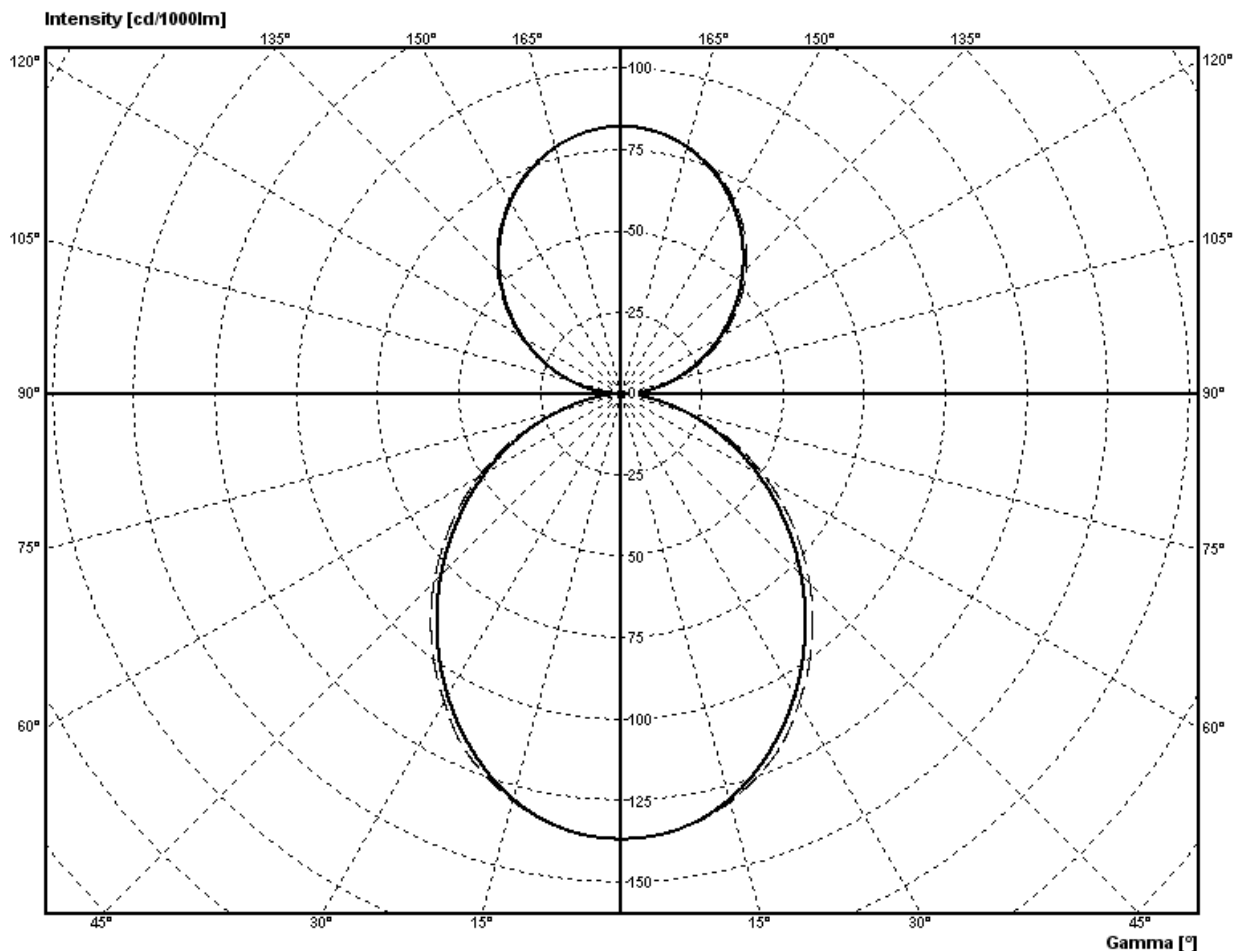
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	0,0°	5,0°	10,0°	15,0°	20,0°	25,0°	30,0°	35,0°	40,0°	45,0°
	50,0°	55,0°	60,0°	65,0°	70,0°	75,0°	80,0°	85,0°	90,0°	95,0°
	100,0°	105,0°	110,0°	115,0°	120,0°	125,0°	130,0°	135,0°	140,0°	145,0°
	150,0°	155,0°	160,0°	165,0°	170,0°	175,0°	180,0°			

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Polar diagram REBA 50 D/I EXT L1698+INT SYM BLINE K3 840 HO / Total in 15° C / 5° G



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UGR Unified Glare Ratios

Ceiling reflectance		0,7	0,7	0,5	0,5	0,3	0,7	0,7	0,5	0,5	0,3
Wall reflectance		0,5	0,3	0,5	0,3	0,3	0,5	0,3	0,5	0,3	0,3
Floor cavity reflectance		0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2
Room dimension		Viewed crosswise					Viewed endwise				
2H	2H	14,9	15,8	15,7	16,7	17,9	17,4	18,3	18,3	19,2	20,4
2H	3H	15,7	16,6	16,6	17,5	18,6	18,7	19,6	19,6	20,5	21,6
2H	4H	16,0	16,8	16,9	17,7	18,9	19,2	20,0	20,1	21,0	22,1
2H	6H	16,1	16,9	17,0	17,8	19,0	19,6	20,3	20,5	21,2	22,4
2H	8H	16,1	16,8	17,0	17,8	18,9	19,6	20,3	20,5	21,3	22,4
2H	12H	16,1	16,8	17,0	17,7	18,9	19,6	20,3	20,5	21,2	22,4
4H	2H	15,5	16,3	16,4	17,2	18,4	17,6	18,4	18,5	19,3	20,4
4H	3H	16,5	17,2	17,4	18,1	19,3	19,0	19,7	19,9	20,6	21,8
4H	4H	16,8	17,4	17,8	18,4	19,6	19,6	20,2	20,5	21,2	22,4
4H	6H	17,0	17,5	17,9	18,5	19,7	19,9	20,5	20,9	21,4	22,6
4H	8H	17,0	17,5	17,9	18,5	19,7	20,1	20,6	21,0	21,5	22,7
4H	12H	17,0	17,5	18,0	18,4	19,7	20,1	20,6	21,1	21,5	22,8
8H	4H	17,0	17,5	17,9	18,4	19,6	19,6	20,1	20,5	21,0	22,2
8H	6H	17,2	17,6	18,1	18,6	19,8	20,0	20,4	20,9	21,3	22,6
8H	8H	17,3	17,6	18,3	18,6	19,9	20,1	20,5	21,1	21,5	22,7
8H	12H	17,3	17,6	18,2	18,6	19,8	20,2	20,5	21,1	21,5	22,7
12H	4H	17,0	17,4	17,9	18,4	19,6	19,6	20,0	20,5	21,0	22,2
12H	6H	17,2	17,6	18,2	18,6	19,8	20,0	20,3	21,0	21,3	22,6
12H	8H	17,3	17,6	18,3	18,6	19,8	20,1	20,4	21,1	21,4	22,6

UGR values are corrected for lamp flux of 12980 lm by 8,9

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Luminance [cd/m²] REBA 50 D/I EXT L1698+INT SYM BLINE K3 840 HO / Total in 15° C / 5° G

G/C [cd/	0,00	15,00	30,00	45,00	60,00	75,00	90,00	105,00	120,00
45,00	6425,93	6551,56	7045,06	7989,08	9647,46	12536,4	18429,0	12536,4	9647,46
50,00	5476,34	5602,75	6043,36	6925,58	8489,57	11352,9	17572,6	11352,9	8489,57
55,00	4600,68	4713,96	5107,69	5925,01	7349,04	10107,3	16716,0	10107,3	7349,04
60,00	3791,44	3880,62	4236,46	4939,86	6229,28	8828,66	15694,3	8828,66	6229,28
65,00	3016,27	3091,65	3392,80	3985,56	5121,19	7466,00	14570,0	7466,00	5121,19
70,00	2285,20	2344,38	2578,95	3071,17	3972,85	6002,01	13076,1	6002,01	3972,85
75,00	1584,33	1620,13	1798,66	2142,52	2821,43	4370,53	11107,6	4370,53	2821,43
80,00	940,73	962,31	1082,93	1273,76	1688,21	2708,21	8573,05	2708,21	1688,21
85,00	398,38	407,50	464,51	537,98	716,51	1152,44	5144,74	1152,44	716,51

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7989,08	7045,06	6551,56	6425,93	6551,56	7045,06	7989,08	9647,46	12536,4
50,00	6925,58	6043,36	5602,75	5476,34	5602,75	6043,36	6925,58	8489,57	11352,9
55,00	5925,01	5107,69	4713,96	4600,68	4713,96	5107,69	5925,01	7349,04	10107,3
60,00	4939,86	4236,46	3880,62	3791,44	3880,62	4236,46	4939,86	6229,28	8828,66
65,00	3985,56	3392,80	3091,65	3016,27	3091,65	3392,80	3985,56	5121,19	7466,00
70,00	3071,17	2578,95	2344,38	2285,20	2344,38	2578,95	3071,17	3972,85	6002,01
75,00	2142,52	1798,66	1620,13	1584,33	1620,13	1798,66	2142,52	2821,43	4370,53
80,00	1273,76	1082,93	962,31	940,73	962,31	1082,93	1273,76	1688,21	2708,21
85,00	537,98	464,51	407,50	398,38	407,50	464,51	537,98	716,51	1152,44

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	18429,0	12536,4	9647,46	7989,08	7045,06	6551,56
50,00	17572,6	11352,9	8489,57	6925,58	6043,36	5602,75
55,00	16716,0	10107,3	7349,04	5925,01	5107,69	4713,96
60,00	15694,3	8828,66	6229,28	4939,86	4236,46	3880,62
65,00	14570,0	7466,00	5121,19	3985,56	3392,80	3091,65
70,00	13076,1	6002,01	3972,85	3071,17	2578,95	2344,38
75,00	11107,6	4370,53	2821,43	2142,52	1798,66	1620,13
80,00	8573,05	2708,21	1688,21	1273,76	1082,93	962,31
85,00	5144,74	1152,44	716,51	537,98	464,51	407,50

HEADQUARTERS

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