

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BLINE 830 HO		
Number:	90506-83+90497L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1687 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	1	Power:	43,57 W
Lamp flux:	6480,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 11:01:41	Output ratio:	63,6 %

Protocol

LiTG-class: A40
UTE-class: 0,64 E
IES-class: 49 - 80 - 95 - 100 - 64
TM5-class: BZ5/0.75/BZ4

Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	103,3°	100,9°
Half peak side angle (left)	-51,7°	-50,4°
Half peak side angle (right)	51,7°	50,4°
One tenth peak divergence	157,7°	160,5°
Tenth peak side angle (left)	-78,9°	-80,3°
Tenth peak side angle (right)	78,9°	80,3°

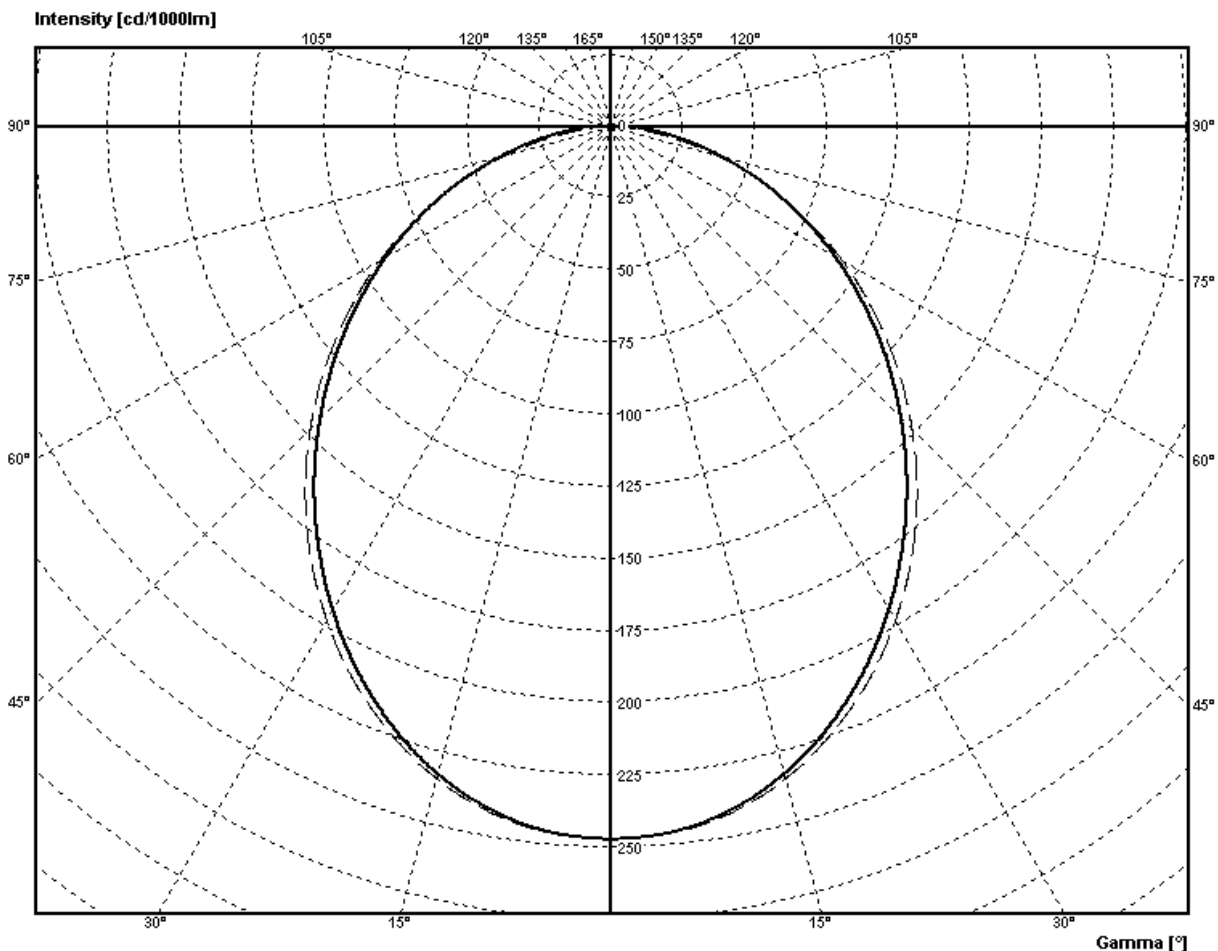
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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°	

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Polar diagram REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BLINE 830 HO / Direct
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	18,0	19,6	18,4	19,9	20,2	20,2	21,8	20,6	22,1	22,5
2H	3H	19,0	20,5	19,4	20,8	21,1	21,6	23,1	22,0	23,4	23,8
2H	4H	19,3	20,7	19,7	21,1	21,4	22,2	23,5	22,6	23,9	24,3
2H	6H	19,6	20,9	20,0	21,2	21,6	22,5	23,8	22,9	24,2	24,6
2H	8H	19,6	20,8	20,0	21,2	21,6	22,6	23,8	23,0	24,2	24,6
2H	12H	19,6	20,8	20,0	21,2	21,6	22,6	23,8	23,0	24,2	24,6
4H	2H	18,7	20,1	19,1	20,4	20,8	20,5	21,9	20,9	22,2	22,6
4H	3H	19,8	21,0	20,2	21,4	21,8	22,0	23,2	22,4	23,6	24,0
4H	4H	20,3	21,3	20,7	21,7	22,2	22,7	23,7	23,1	24,1	24,6
4H	6H	20,5	21,5	21,0	21,9	22,3	23,1	24,0	23,5	24,4	24,9
4H	8H	20,6	21,5	21,1	21,9	22,4	23,2	24,1	23,7	24,5	25,0
4H	12H	20,7	21,5	21,1	21,9	22,4	23,3	24,1	23,8	24,5	25,0
8H	4H	20,5	21,4	21,0	21,8	22,3	22,7	23,6	23,2	24,0	24,5
8H	6H	20,8	21,5	21,3	22,0	22,5	23,1	23,9	23,6	24,4	24,8
8H	8H	21,0	21,6	21,5	22,1	22,6	23,4	24,0	23,9	24,5	25,0
8H	12H	21,1	21,6	21,6	22,1	22,6	23,5	24,0	24,0	24,5	25,0
12H	4H	20,5	21,3	21,0	21,7	22,3	22,7	23,5	23,2	24,0	24,5
12H	6H	20,9	21,5	21,4	22,0	22,5	23,2	23,8	23,7	24,3	24,8
12H	8H	21,0	21,6	21,5	22,1	22,6	23,4	23,9	23,9	24,4	24,9

UGR values are corrected for lamp flux of 6480 lm by 6,5

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Luminance [cd/m²] REBA 50 /E EXT LINE L1687 SRT/END+INT SYM BLINE 830 HO //
Direct 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	6583,38	6725,88	7171,73	8051,32	9539,71	12062,5	16778,4	12062,5	9539,71
50,00	5686,09	5817,85	6227,71	7054,74	8476,88	10997,0	16068,0	10997,0	8476,88
55,00	4844,79	4964,95	5334,59	6096,19	7426,30	9891,17	15284,1	9891,17	7426,30
60,00	4063,37	4155,56	4491,49	5155,33	6388,47	8722,41	14438,2	8722,41	6388,47
65,00	3304,52	3389,75	3666,06	4241,02	5309,15	7469,21	13382,3	7469,21	5309,15
70,00	2580,36	2645,53	2866,58	3327,72	4215,74	6101,32	12092,0	6101,32	4215,74
75,00	1875,13	1925,45	2085,09	2415,73	3087,86	4571,18	10450,0	4571,18	3087,86
80,00	1235,26	1255,17	1356,52	1553,03	1973,39	2973,38	8130,55	2973,38	1973,39
85,00	681,24	681,83	724,22	798,55	976,74	1406,76	5151,31	1406,76	976,74

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	8051,32	7171,73	6725,88	6583,38	6725,88	7171,73	8051,32	9539,71	12062,5
50,00	7054,74	6227,71	5817,85	5686,09	5817,85	6227,71	7054,74	8476,88	10997,0
55,00	6096,19	5334,59	4964,95	4844,79	4964,95	5334,59	6096,19	7426,30	9891,17
60,00	5155,33	4491,49	4155,56	4063,37	4155,56	4491,49	5155,33	6388,47	8722,41
65,00	4241,02	3666,06	3389,75	3304,52	3389,75	3666,06	4241,02	5309,15	7469,21
70,00	3327,72	2866,58	2645,53	2580,36	2645,53	2866,58	3327,72	4215,74	6101,32
75,00	2415,73	2085,09	1925,45	1875,13	1925,45	2085,09	2415,73	3087,86	4571,18
80,00	1553,03	1356,52	1255,17	1235,26	1255,17	1356,52	1553,03	1973,39	2973,38
85,00	798,55	724,22	681,83	681,24	681,83	724,22	798,55	976,74	1406,76

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	16778,4	12062,5	9539,71	8051,32	7171,73	6725,88
50,00	16068,0	10997,0	8476,88	7054,74	6227,71	5817,85
55,00	15284,1	9891,17	7426,30	6096,19	5334,59	4964,95
60,00	14438,2	8722,41	6388,47	5155,33	4491,49	4155,56
65,00	13382,3	7469,21	5309,15	4241,02	3666,06	3389,75
70,00	12092,0	6101,32	4215,74	3327,72	2866,58	2645,53
75,00	10450,0	4571,18	3087,86	2415,73	2085,09	1925,45
80,00	8130,55	2973,38	1973,39	1553,03	1356,52	1255,17
85,00	5151,31	1406,76	976,74	798,55	724,22	681,83

HEADQUARTERS

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