

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 830 HO		
Number:	90506+90497L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1682 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	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°

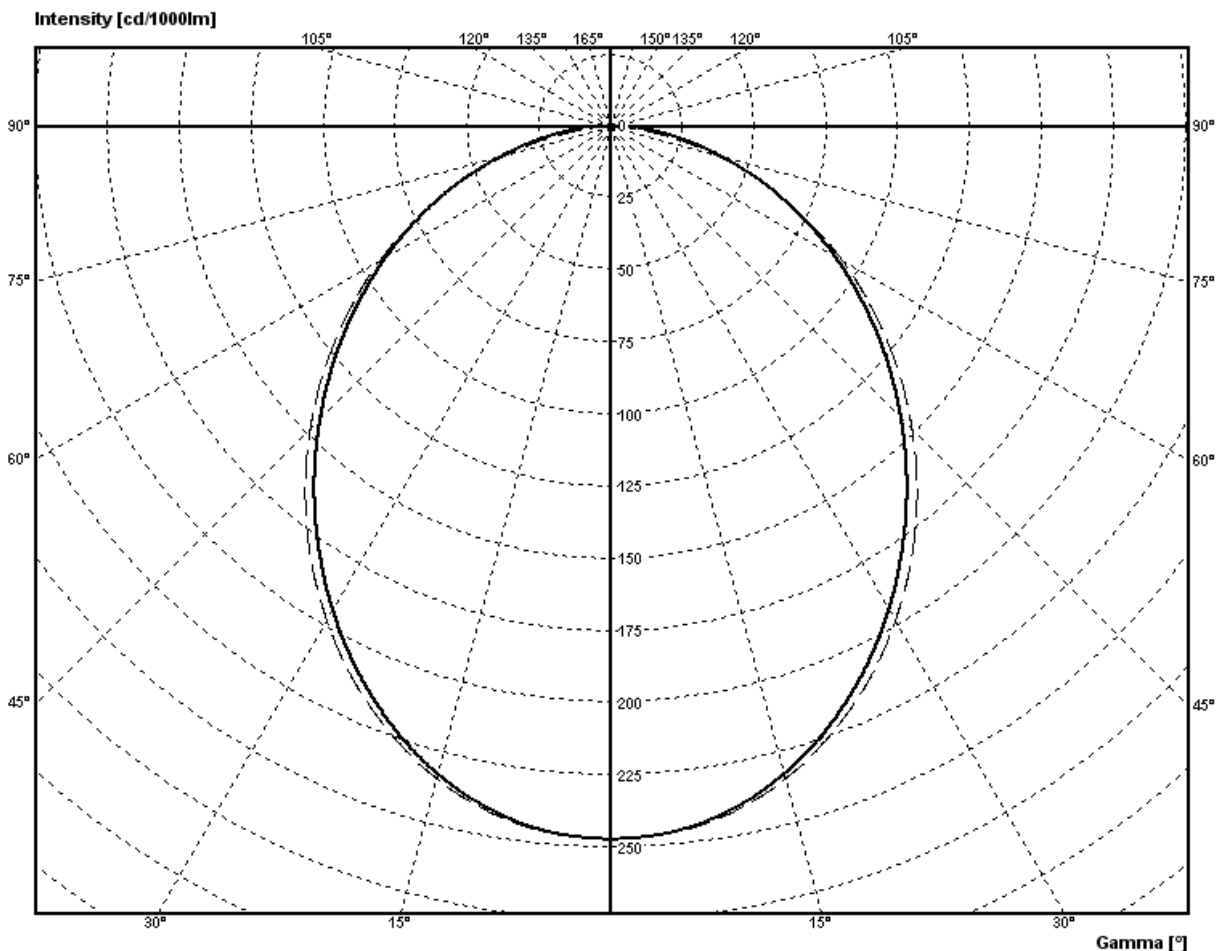
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

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°	

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 830 HO		
Number:	90506+90497L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1682 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	43,57 W
Lamp flux:	6480,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 11:01:41	Output ratio:	63,6 %

Polar diagram REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 830 HO / Direct iim
15° C / 5° G



PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 830 HO		
Number:	90506+90497L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1682 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	43,57 W
Lamp flux:	6480,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 11:01:41	Output ratio:	63,6 %

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

PHOTOMETRIC RESULTS

Name:	REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 830 HO		
Number:	90506+90497L006	Diameter:	0 mm
Report:	21-01-2020	Length:	1682 mm
Meas.-no.:	01	Width:	62 mm
Lamp type:	LED 830 - 01	Height:	72 mm
Number:	01	Power:	43,57 W
Lamp flux:	6480,00 lm	Operator:	INDEL AGUE GROUP
Date:	25-01-2020 11:01:41	Output ratio:	63,6 %

Luminance [cd/m²] REBA 50 /E EXT LINE L1682 MID+INT SYM BLINE K3 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

INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.

Rua da Mina 465 | Covão | Zona industrial EN1 Norte

3750-792 Trofa ÁGUEDA | PORTUGAL

www.indelague.com | www.roxolighting.com

indelague@indelague.pt | roxo.london@roxolighting.com

Tel. (+351) 234 612 310

Fax (+351) 234 624 058