

PHOTOMETRIC RESULTS

| | | | |
|------------|--|---------------|------------------|
| Name: | REBA 50 /E EXT LINE L2529 SRT/END+INT SYM BLINE 840 HO | | |
| Number: | 90506-83+90497L009 | Diameter: | 0 mm |
| Report: | 24-01-2020 | Length: | 2529 mm |
| Meas.-no.: | 01 | Width: | 62 mm |
| Lamp type: | LED 840 - 01 | Height: | 72 mm |
| Number: | 1 | Power: | 65,74 W |
| Lamp flux: | 10620,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 24-01-2020 12:31:16 | Output ratio: | 62,6 % |

Protocol

LiTG-class: A40
UTE-class: 0,63 E
IES-class: 50 - 80 - 95 - 100 - 63
TM5-class: BZ5/0.75/BZ4

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 102,2° | 100,4° |
| Half peak side angle (left) | -51,1° | -50,2° |
| Half peak side angle (right) | 51,1° | 50,2° |
| One tenth peak divergence | 157,2° | 160,5° |
| Tenth peak side angle (left) | -78,6° | -80,3° |
| Tenth peak side angle (right) | 78,6° | 80,3° |

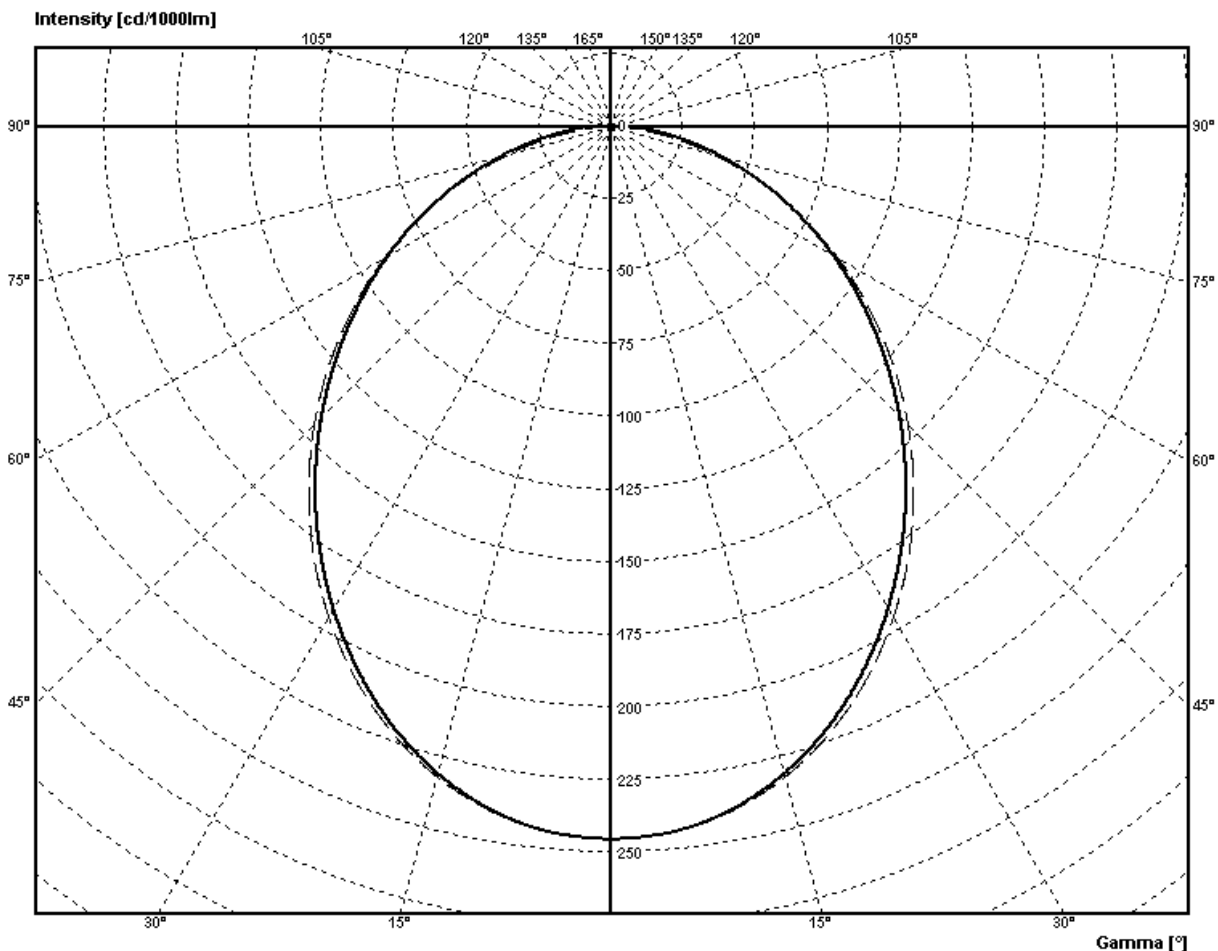
| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 270,0° | 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 L2529 SRT/END+INT SYM BLINE 840 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 | 18,3 | 19,9 | 18,6 | 20,2 | 20,5 | 20,5 | 22,1 | 20,8 | 22,4 | 22,7 |
| 2H | 3H | 19,3 | 20,7 | 19,6 | 21,1 | 21,4 | 21,9 | 23,3 | 22,3 | 23,7 | 24,0 |
| 2H | 4H | 19,6 | 21,0 | 20,0 | 21,3 | 21,7 | 22,4 | 23,8 | 22,8 | 24,1 | 24,5 |
| 2H | 6H | 19,8 | 21,1 | 20,2 | 21,5 | 21,9 | 22,8 | 24,1 | 23,2 | 24,4 | 24,8 |
| 2H | 8H | 19,9 | 21,1 | 20,3 | 21,5 | 21,9 | 22,8 | 24,1 | 23,3 | 24,5 | 24,9 |
| 2H | 12H | 19,9 | 21,0 | 20,3 | 21,4 | 21,8 | 22,9 | 24,1 | 23,3 | 24,5 | 24,9 |
| 4H | 2H | 18,9 | 20,3 | 19,3 | 20,7 | 21,0 | 20,8 | 22,1 | 21,1 | 22,5 | 22,8 |
| 4H | 3H | 20,1 | 21,2 | 20,5 | 21,6 | 22,0 | 22,3 | 23,4 | 22,7 | 23,8 | 24,2 |
| 4H | 4H | 20,5 | 21,6 | 21,0 | 22,0 | 22,4 | 22,9 | 24,0 | 23,3 | 24,4 | 24,8 |
| 4H | 6H | 20,8 | 21,7 | 21,2 | 22,2 | 22,6 | 23,3 | 24,2 | 23,8 | 24,7 | 25,1 |
| 4H | 8H | 20,9 | 21,7 | 21,3 | 22,2 | 22,6 | 23,4 | 24,3 | 23,9 | 24,7 | 25,2 |
| 4H | 12H | 20,9 | 21,7 | 21,4 | 22,2 | 22,7 | 23,5 | 24,3 | 24,0 | 24,8 | 25,3 |
| 8H | 4H | 20,7 | 21,6 | 21,2 | 22,0 | 22,5 | 22,9 | 23,8 | 23,4 | 24,3 | 24,7 |
| 8H | 6H | 21,1 | 21,8 | 21,5 | 22,3 | 22,8 | 23,4 | 24,1 | 23,9 | 24,6 | 25,1 |
| 8H | 8H | 21,2 | 21,9 | 21,8 | 22,4 | 22,9 | 23,6 | 24,2 | 24,1 | 24,7 | 25,2 |
| 8H | 12H | 21,3 | 21,9 | 21,8 | 22,4 | 22,9 | 23,7 | 24,2 | 24,2 | 24,7 | 25,3 |
| 12H | 4H | 20,8 | 21,6 | 21,2 | 22,0 | 22,5 | 22,9 | 23,8 | 23,4 | 24,2 | 24,7 |
| 12H | 6H | 21,2 | 21,8 | 21,7 | 22,3 | 22,8 | 23,4 | 24,1 | 24,0 | 24,6 | 25,1 |
| 12H | 8H | 21,3 | 21,8 | 21,8 | 22,3 | 22,8 | 23,6 | 24,2 | 24,1 | 24,7 | 25,2 |

UGR values are corrected for lamp flux of 10620 lm by 8,2

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Luminance [cd/m²] REBA 50 /E EXT LINE L2529 SRT/END+INT SYM BLINE 840 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 | 7104,99 | 7245,26 | 7742,75 | 8690,38 | 10298,7 | 13041,3 | 18190,2 | 13041,3 | 10298,7 |
| 50,00 | 6123,50 | 6255,71 | 6714,62 | 7597,08 | 9140,91 | 11874,8 | 17421,5 | 11874,8 | 9140,91 |
| 55,00 | 5213,99 | 5331,61 | 5749,58 | 6567,80 | 8000,23 | 10681,9 | 16587,8 | 10681,9 | 8000,23 |
| 60,00 | 4372,47 | 4463,80 | 4837,08 | 5552,38 | 6863,22 | 9409,03 | 15688,0 | 9409,03 | 6863,22 |
| 65,00 | 3554,22 | 3638,01 | 3948,58 | 4561,56 | 5721,32 | 8048,34 | 14615,3 | 8048,34 | 5721,32 |
| 70,00 | 2769,96 | 2843,40 | 3082,20 | 3579,70 | 4531,98 | 6574,14 | 13314,9 | 6574,14 | 4531,98 |
| 75,00 | 2025,09 | 2072,05 | 2251,98 | 2602,82 | 3330,33 | 4943,47 | 11479,0 | 4943,47 | 3330,33 |
| 80,00 | 1339,33 | 1360,82 | 1471,35 | 1674,27 | 2143,82 | 3212,18 | 9107,78 | 3212,18 | 2143,82 |
| 85,00 | 738,15 | 744,22 | 795,75 | 863,28 | 1059,99 | 1539,96 | 6070,24 | 1539,96 | 1059,99 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 8690,38 | 7742,75 | 7245,26 | 7104,99 | 7245,26 | 7742,75 | 8690,38 | 10298,7 | 13041,3 |
| 50,00 | 7597,08 | 6714,62 | 6255,71 | 6123,50 | 6255,71 | 6714,62 | 7597,08 | 9140,91 | 11874,8 |
| 55,00 | 6567,80 | 5749,58 | 5331,61 | 5213,98 | 5331,61 | 5749,58 | 6567,80 | 8000,23 | 10681,9 |
| 60,00 | 5552,38 | 4837,08 | 4463,80 | 4372,47 | 4463,80 | 4837,08 | 5552,38 | 6863,22 | 9409,03 |
| 65,00 | 4561,56 | 3948,58 | 3638,01 | 3554,22 | 3638,01 | 3948,58 | 4561,56 | 5721,32 | 8048,34 |
| 70,00 | 3579,70 | 3082,20 | 2843,40 | 2769,96 | 2843,40 | 3082,20 | 3579,70 | 4531,98 | 6574,14 |
| 75,00 | 2602,82 | 2251,98 | 2072,05 | 2025,09 | 2072,05 | 2251,98 | 2602,82 | 3330,33 | 4943,47 |
| 80,00 | 1674,27 | 1471,35 | 1360,82 | 1339,33 | 1360,82 | 1471,35 | 1674,27 | 2143,82 | 3212,18 |
| 85,00 | 863,28 | 795,75 | 744,22 | 738,15 | 744,22 | 795,75 | 863,28 | 1059,99 | 1539,96 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 18190,2 | 13041,3 | 10298,7 | 8690,38 | 7742,75 | 7245,26 |
| 50,00 | 17421,5 | 11874,8 | 9140,91 | 7597,08 | 6714,62 | 6255,71 |
| 55,00 | 16587,8 | 10681,9 | 8000,23 | 6567,80 | 5749,58 | 5331,61 |
| 60,00 | 15688,0 | 9409,03 | 6863,22 | 5552,38 | 4837,08 | 4463,80 |
| 65,00 | 14615,3 | 8048,34 | 5721,32 | 4561,56 | 3948,58 | 3638,01 |
| 70,00 | 13314,9 | 6574,14 | 4531,98 | 3579,70 | 3082,20 | 2843,40 |
| 75,00 | 11479,0 | 4943,47 | 3330,33 | 2602,82 | 2251,98 | 2072,05 |
| 80,00 | 9107,78 | 3212,18 | 2143,82 | 1674,27 | 1471,35 | 1360,82 |
| 85,00 | 6070,24 | 1539,96 | 1059,99 | 863,28 | 795,75 | 744,22 |

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