

PHOTOMETRIC RESULTS

| | | | |
|-------------------|--|----------------------|------------------|
| Name: | OREO /C Out D630 bLINE HF 940 W | | |
| Number: | 01 | Diameter: | 630 mm |
| Report: | 20-06-2018 | Length: | 0 mm |
| Meas.-no.: | 01 | Width: | 0 mm |
| Lamp type: | LED 940 - 01 | Height: | 35 mm |
| Number: | 1 | Power: | 30,9 W |
| Lamp flux: | 2340,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 04-07-2018 10:55:38 | Output ratio: | 47,4 % |

Protocol

LiTG-class: C11
UTE-class: Not available
IES-class: 11 - 34 - 65 - 56 - 47
TM5-class: BZ10

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|-------------------------------|------------|----------|
| One half peak divergence | 238,4° | 241,4° |
| Half peak side angle (left) | -119,2° | -120,7° |
| Half peak side angle (right) | 119,2° | 120,7° |
| One tenth peak divergence | 317,3° | 321,4° |
| Tenth peak side angle (left) | -158,7° | -160,7° |
| Tenth peak side angle (right) | 158,7° | 160,7° |

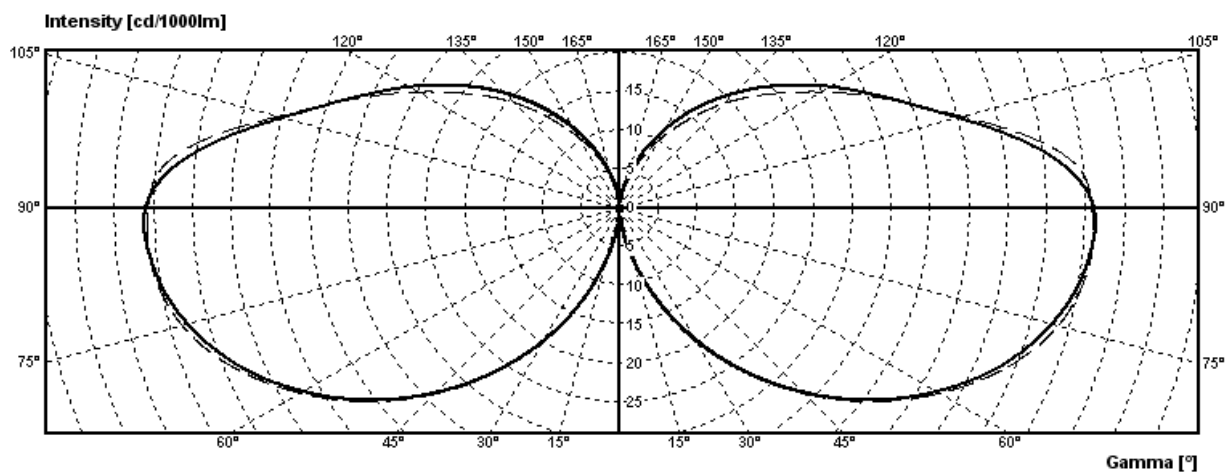
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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 OREO /C Out D630 bLINE HF 940 W / 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 | 7,6 | 8,7 | 8,4 | 9,6 | 10,8 | 7,6 | 8,8 | 8,5 | 9,7 | 10,8 |
| 2H | 3H | 11,5 | 12,6 | 12,4 | 13,5 | 14,7 | 11,6 | 12,7 | 12,5 | 13,6 | 14,8 |
| 2H | 4H | 13,7 | 14,7 | 14,5 | 15,6 | 16,8 | 13,7 | 14,8 | 14,6 | 15,7 | 16,9 |
| 2H | 6H | 15,9 | 16,9 | 16,8 | 17,8 | 19,0 | 16,0 | 17,0 | 16,9 | 17,9 | 19,1 |
| 2H | 8H | 17,0 | 18,0 | 17,9 | 18,9 | 20,1 | 17,1 | 18,0 | 18,0 | 19,0 | 20,2 |
| 2H | 12H | 18,2 | 19,1 | 19,1 | 20,1 | 21,3 | 18,2 | 19,2 | 19,1 | 20,1 | 21,3 |
| 4H | 2H | 9,0 | 10,0 | 9,9 | 10,9 | 12,1 | 9,0 | 10,1 | 9,9 | 11,0 | 12,2 |
| 4H | 3H | 12,9 | 13,9 | 13,8 | 14,8 | 16,0 | 13,0 | 13,9 | 13,9 | 14,9 | 16,1 |
| 4H | 4H | 15,2 | 16,1 | 16,1 | 17,0 | 18,2 | 15,3 | 16,1 | 16,2 | 17,1 | 18,3 |
| 4H | 6H | 17,5 | 18,3 | 18,4 | 19,3 | 20,5 | 17,6 | 18,4 | 18,5 | 19,3 | 20,6 |
| 4H | 8H | 18,7 | 19,5 | 19,7 | 20,4 | 21,7 | 18,8 | 19,5 | 19,7 | 20,5 | 21,7 |
| 4H | 12H | 20,0 | 20,7 | 21,0 | 21,7 | 22,9 | 20,1 | 20,8 | 21,0 | 21,7 | 23,0 |
| 8H | 4H | 16,0 | 16,8 | 17,0 | 17,8 | 19,0 | 16,1 | 16,8 | 17,0 | 17,8 | 19,0 |
| 8H | 6H | 18,6 | 19,2 | 19,5 | 20,2 | 21,4 | 18,6 | 19,3 | 19,5 | 20,2 | 21,5 |
| 8H | 8H | 20,0 | 20,6 | 20,9 | 21,6 | 22,8 | 20,0 | 20,6 | 21,0 | 21,6 | 22,9 |
| 8H | 12H | 21,4 | 21,9 | 22,4 | 22,9 | 24,2 | 21,5 | 22,0 | 22,4 | 23,0 | 24,2 |
| 12H | 4H | 16,3 | 17,0 | 17,2 | 18,0 | 19,2 | 16,3 | 17,0 | 17,3 | 18,0 | 19,3 |
| 12H | 6H | 19,0 | 19,5 | 19,9 | 20,5 | 21,8 | 19,0 | 19,6 | 19,9 | 20,6 | 21,8 |
| 12H | 8H | 20,4 | 20,9 | 21,3 | 21,9 | 23,2 | 20,4 | 20,9 | 21,4 | 22,0 | 23,2 |

UGR values are corrected for lamp flux of 2340 lm by 3,0

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Luminance [cd/m²] OREO /C Out D630 bLINE HF 940 W / 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 | 451,22 | 450,72 | 452,01 | 452,70 | 453,79 | 453,89 | 453,59 | 453,89 | 453,79 |
| 50,00 | 565,76 | 564,67 | 565,65 | 566,73 | 567,28 | 568,91 | 568,37 | 568,91 | 567,28 |
| 55,00 | 709,10 | 707,64 | 709,34 | 710,20 | 711,29 | 713,49 | 713,24 | 713,49 | 711,29 |
| 60,00 | 894,82 | 894,54 | 895,10 | 896,50 | 898,87 | 903,35 | 902,65 | 903,35 | 898,87 |
| 65,00 | 1149,64 | 1147,49 | 1148,81 | 1150,47 | 1154,27 | 1161,88 | 1161,88 | 1161,88 | 1154,27 |
| 70,00 | 1517,03 | 1515,60 | 1517,24 | 1518,67 | 1523,98 | 1534,20 | 1539,11 | 1534,20 | 1523,98 |
| 75,00 | 2110,04 | 2107,88 | 2110,86 | 2113,56 | 2118,15 | 2134,62 | 2139,76 | 2134,62 | 2118,15 |
| 80,00 | 3260,92 | 3259,71 | 3262,13 | 3266,16 | 3264,95 | 3294,34 | 3287,49 | 3294,34 | 3264,95 |
| 85,00 | 6633,38 | 6634,19 | 6639,00 | 6641,41 | 6626,16 | 6648,62 | 6636,59 | 6648,62 | 6626,16 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 452,70 | 452,01 | 450,72 | 451,22 | 450,72 | 452,01 | 452,70 | 453,79 | 453,89 |
| 50,00 | 566,73 | 565,65 | 564,67 | 565,76 | 564,67 | 565,65 | 566,73 | 567,28 | 568,91 |
| 55,00 | 710,20 | 709,34 | 707,64 | 709,10 | 707,64 | 709,34 | 710,20 | 711,29 | 713,49 |
| 60,00 | 896,50 | 895,10 | 894,54 | 894,82 | 894,54 | 895,10 | 896,50 | 898,87 | 903,35 |
| 65,00 | 1150,47 | 1148,81 | 1147,49 | 1149,64 | 1147,49 | 1148,81 | 1150,47 | 1154,27 | 1161,88 |
| 70,00 | 1518,67 | 1517,24 | 1515,60 | 1517,03 | 1515,60 | 1517,24 | 1518,67 | 1523,98 | 1534,20 |
| 75,00 | 2113,56 | 2110,86 | 2107,88 | 2110,04 | 2107,88 | 2110,86 | 2113,56 | 2118,15 | 2134,62 |
| 80,00 | 3266,16 | 3262,13 | 3259,71 | 3260,92 | 3259,71 | 3262,13 | 3266,16 | 3264,95 | 3294,34 |
| 85,00 | 6641,41 | 6639,00 | 6634,19 | 6633,38 | 6634,19 | 6639,00 | 6641,41 | 6626,16 | 6648,62 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 453,59 | 453,89 | 453,79 | 452,70 | 452,01 | 450,72 |
| 50,00 | 568,37 | 568,91 | 567,28 | 566,73 | 565,65 | 564,67 |
| 55,00 | 713,24 | 713,49 | 711,29 | 710,20 | 709,34 | 707,64 |
| 60,00 | 902,65 | 903,35 | 898,87 | 896,50 | 895,10 | 894,54 |
| 65,00 | 1161,88 | 1161,88 | 1154,27 | 1150,47 | 1148,81 | 1147,49 |
| 70,00 | 1539,11 | 1534,20 | 1523,98 | 1518,67 | 1517,24 | 1515,60 |
| 75,00 | 2139,76 | 2134,62 | 2118,15 | 2113,56 | 2110,86 | 2107,88 |
| 80,00 | 3287,49 | 3294,34 | 3264,95 | 3266,16 | 3262,13 | 3259,71 |
| 85,00 | 6636,59 | 6648,62 | 6626,16 | 6641,41 | 6639,00 | 6634,19 |

HEADQUARTERS

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