

PHOTOMETRIC RESULTS

| | | | |
|-------------------|---|----------------------|------------------|
| Name: | CONCEPT O /E 39W gCONTROL [Ø676mm] | | |
| Number: | 01 | Diameter: | 676 mm |
| Report: | 09-11-2016 | Length: | 0 mm |
| Meas.-no.: | 01 | Width: | 0 mm |
| Lamp type: | LED 840 - 01 | Height: | 100 mm |
| Number: | 1 | Power: | 39,19 W |
| Lamp flux: | 5640,00 lm | Operator: | INDEL AGUE GROUP |
| Date: | 09-11-2016 14:53:49 | Output ratio: | 60,5 % |

Protocol

LiTG-class: A50
UTE-class: 0,61 C
IES-class: 64 - 90 - 98 - 100 - 61
TM5-class: B22

Divergences in the plane through maximum intensity:

| | Horizontal | Vertical |
|--------------------------------------|------------|----------|
| One half peak divergence | 76,1° | 75,9° |
| Half peak side angle (left) | -38,1° | -37,9° |
| Half peak side angle (right) | 38,1° | 37,9° |
| One tenth peak divergence | 129,3° | 129,4° |
| Tenth peak side angle (left) | -64,7° | -64,7° |
| Tenth peak side angle (right) | 64,7° | 64,7° |

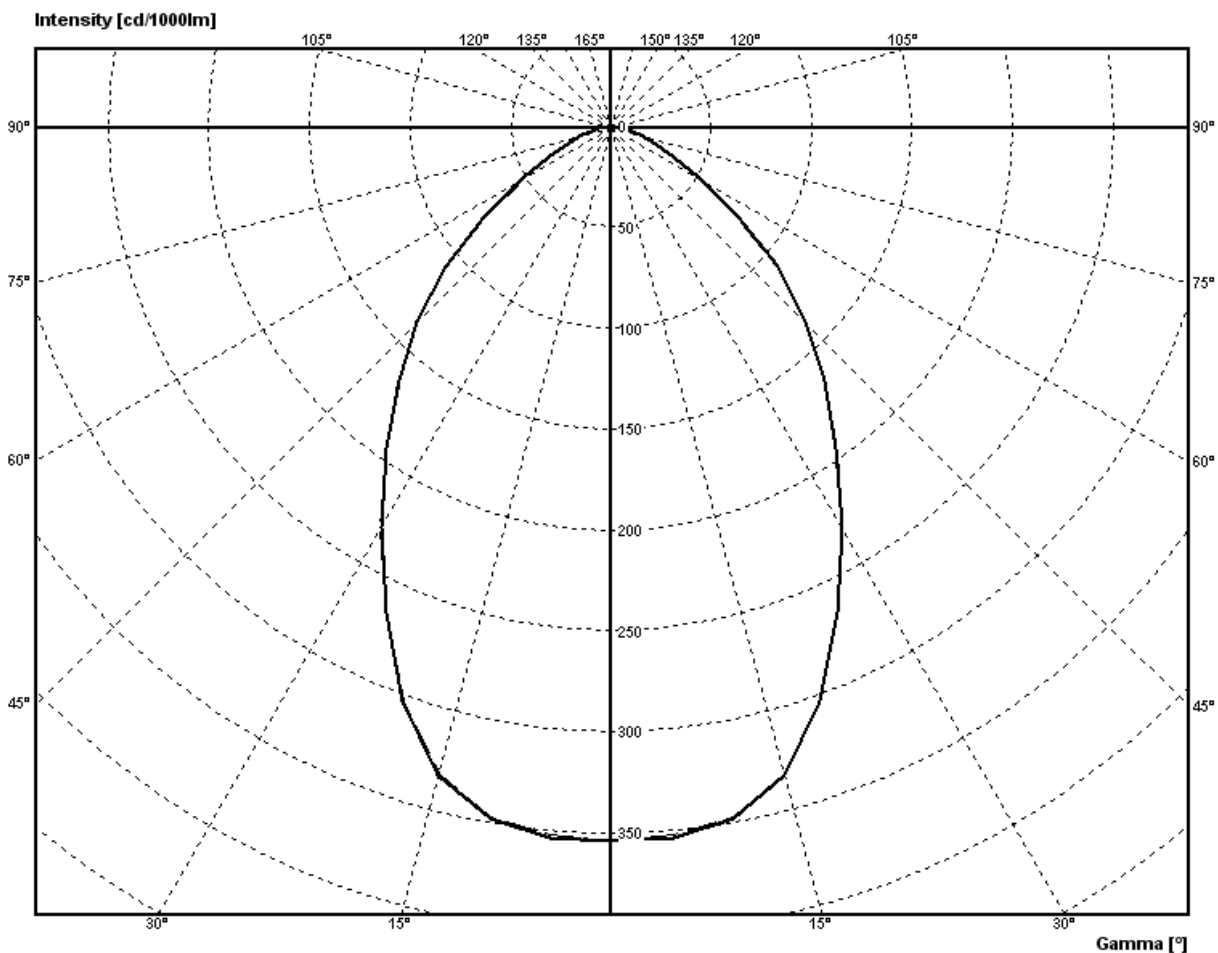
| | | | | | | | | | | |
|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| C-planes: | 0,0° | 15,0° | 30,0° | 45,0° | 60,0° | 75,0° | 90,0° | 105,0° | 120,0° | 135,0° |
| | 150,0° | 165,0° | 180,0° | 195,0° | 210,0° | 225,0° | 240,0° | 255,0° | 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° | |

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Polar diagram CONCEPT O /E 39W gCONTROL [Ø676mm] / 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 | 15,5 | 16,9 | 15,8 | 17,2 | 17,5 | 15,4 | 16,8 | 15,8 | 17,1 | 17,5 |
| 2H | 3H | 15,9 | 17,1 | 16,2 | 17,5 | 17,8 | 15,8 | 17,1 | 16,2 | 17,4 | 17,8 |
| 2H | 4H | 16,0 | 17,2 | 16,4 | 17,5 | 17,9 | 15,9 | 17,1 | 16,3 | 17,5 | 17,8 |
| 2H | 6H | 16,1 | 17,2 | 16,5 | 17,5 | 17,9 | 16,0 | 17,1 | 16,4 | 17,5 | 17,9 |
| 2H | 8H | 16,1 | 17,1 | 16,5 | 17,5 | 17,9 | 16,0 | 17,1 | 16,4 | 17,4 | 17,8 |
| 2H | 12H | 16,1 | 17,1 | 16,5 | 17,5 | 17,9 | 16,0 | 17,0 | 16,4 | 17,4 | 17,8 |
| 4H | 2H | 15,7 | 16,9 | 16,1 | 17,2 | 17,6 | 15,7 | 16,9 | 16,1 | 17,2 | 17,6 |
| 4H | 3H | 16,2 | 17,2 | 16,6 | 17,6 | 18,0 | 16,2 | 17,2 | 16,6 | 17,5 | 18,0 |
| 4H | 4H | 16,4 | 17,3 | 16,9 | 17,7 | 18,1 | 16,4 | 17,2 | 16,8 | 17,7 | 18,1 |
| 4H | 6H | 16,5 | 17,3 | 17,0 | 17,7 | 18,2 | 16,5 | 17,2 | 16,9 | 17,7 | 18,1 |
| 4H | 8H | 16,5 | 17,3 | 17,0 | 17,7 | 18,2 | 16,5 | 17,2 | 17,0 | 17,7 | 18,1 |
| 4H | 12H | 16,6 | 17,3 | 17,1 | 17,7 | 18,2 | 16,5 | 17,2 | 17,0 | 17,6 | 18,1 |
| 8H | 4H | 16,4 | 17,1 | 16,9 | 17,6 | 18,0 | 16,3 | 17,1 | 16,8 | 17,5 | 18,0 |
| 8H | 6H | 16,5 | 17,1 | 17,0 | 17,6 | 18,1 | 16,5 | 17,1 | 17,0 | 17,5 | 18,0 |
| 8H | 8H | 16,6 | 17,2 | 17,2 | 17,7 | 18,2 | 16,6 | 17,1 | 17,1 | 17,6 | 18,1 |
| 8H | 12H | 16,7 | 17,1 | 17,2 | 17,6 | 18,1 | 16,6 | 17,1 | 17,2 | 17,6 | 18,1 |
| 12H | 4H | 16,4 | 17,0 | 16,9 | 17,5 | 18,0 | 16,3 | 17,0 | 16,8 | 17,4 | 17,9 |
| 12H | 6H | 16,6 | 17,1 | 17,1 | 17,6 | 18,1 | 16,5 | 17,0 | 17,0 | 17,5 | 18,0 |
| 12H | 8H | 16,6 | 17,1 | 17,2 | 17,6 | 18,1 | 16,6 | 17,0 | 17,1 | 17,5 | 18,0 |

UGR values are corrected for lamp flux of 5640 lm by 6,0

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| Number: | 1 | Power: | 39,19 W |
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Luminance [cd/m²] CONCEPT O /E 39W gCONTROL [Ø676mm] / Direct in 15° C / 5° 

| G/C [cd/ | 0,00 | 15,00 | 30,00 | 45,00 | 60,00 | 75,00 | 90,00 | 105,00 | 120,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 5667,16 | 5681,73 | 5674,86 | 5662,62 | 5652,31 | 5663,52 | 5688,18 | 5663,52 | 5652,31 |
| 50,00 | 4924,96 | 4927,03 | 4946,72 | 4974,42 | 4941,09 | 4890,84 | 4898,94 | 4890,84 | 4941,09 |
| 55,00 | 3951,56 | 4011,11 | 4105,85 | 4226,77 | 4127,49 | 3976,76 | 3802,57 | 3976,76 | 4127,49 |
| 60,00 | 2987,35 | 3076,87 | 3294,98 | 3412,15 | 3306,98 | 3074,12 | 2898,18 | 3074,12 | 3306,98 |
| 65,00 | 2387,00 | 2426,10 | 2598,13 | 2660,50 | 2535,10 | 2410,74 | 2387,00 | 2410,74 | 2535,10 |
| 70,00 | 2020,65 | 1992,20 | 2060,52 | 2064,85 | 2016,85 | 1938,83 | 2004,36 | 1938,83 | 2016,85 |
| 75,00 | 1701,19 | 1684,45 | 1666,79 | 1669,48 | 1653,64 | 1643,47 | 1650,94 | 1643,47 | 1653,64 |
| 80,00 | 1690,39 | 1525,65 | 1515,22 | 1455,54 | 1486,32 | 1545,68 | 1572,71 | 1545,68 | 1486,32 |
| 85,00 | 2131,59 | 1642,50 | 1621,46 | 1577,94 | 1629,80 | 1673,00 | 1961,07 | 1673,00 | 1629,80 |

| G/C [cd/ | 135,00 | 150,00 | 165,00 | 180,00 | 195,00 | 210,00 | 225,00 | 240,00 | 255,00 |
|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 45,00 | 5662,62 | 5674,86 | 5681,73 | 5667,16 | 5681,73 | 5674,86 | 5662,62 | 5652,31 | 5663,52 |
| 50,00 | 4974,42 | 4946,72 | 4927,03 | 4924,96 | 4927,03 | 4946,72 | 4974,42 | 4941,09 | 4890,84 |
| 55,00 | 4226,77 | 4105,85 | 4011,11 | 3951,56 | 4011,11 | 4105,85 | 4226,77 | 4127,49 | 3976,76 |
| 60,00 | 3412,15 | 3294,98 | 3076,87 | 2987,35 | 3076,87 | 3294,98 | 3412,15 | 3306,98 | 3074,12 |
| 65,00 | 2660,50 | 2598,13 | 2426,10 | 2387,00 | 2426,10 | 2598,13 | 2660,50 | 2535,10 | 2410,74 |
| 70,00 | 2064,85 | 2060,52 | 1992,20 | 2020,65 | 1992,20 | 2060,52 | 2064,85 | 2016,85 | 1938,83 |
| 75,00 | 1669,48 | 1666,79 | 1684,45 | 1701,19 | 1684,45 | 1666,79 | 1669,48 | 1653,64 | 1643,47 |
| 80,00 | 1455,54 | 1515,22 | 1525,65 | 1690,39 | 1525,65 | 1515,22 | 1455,54 | 1486,32 | 1545,68 |
| 85,00 | 1577,94 | 1621,46 | 1642,50 | 2131,59 | 1642,50 | 1621,46 | 1577,94 | 1629,80 | 1673,00 |

| G/C [cd/ | 270,00 | 285,00 | 300,00 | 315,00 | 330,00 | 345,00 |
|----------|---------|---------|---------|---------|---------|---------|
| 45,00 | 5688,18 | 5663,52 | 5652,31 | 5662,62 | 5674,86 | 5681,73 |
| 50,00 | 4898,94 | 4890,84 | 4941,09 | 4974,42 | 4946,72 | 4927,03 |
| 55,00 | 3802,57 | 3976,76 | 4127,49 | 4226,77 | 4105,85 | 4011,11 |
| 60,00 | 2898,18 | 3074,12 | 3306,98 | 3412,15 | 3294,98 | 3076,87 |
| 65,00 | 2387,00 | 2410,74 | 2535,10 | 2660,50 | 2598,13 | 2426,10 |
| 70,00 | 2004,36 | 1938,83 | 2016,85 | 2064,85 | 2060,52 | 1992,20 |
| 75,00 | 1650,94 | 1643,47 | 1653,64 | 1669,48 | 1666,79 | 1684,45 |
| 80,00 | 1572,71 | 1545,68 | 1486,32 | 1455,54 | 1515,22 | 1525,65 |
| 85,00 | 1961,07 | 1673,00 | 1629,80 | 1577,94 | 1621,46 | 1642,50 |

HEADQUARTERS

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