

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>THS LED 39W DOZ [1140X297mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	15-02-2016	<b>Length:</b>	1140 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	297 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	102 mm
<b>Number:</b>	1	<b>Power:</b>	39,18 W
<b>Lamp flux:</b>	5440,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	15-02-2018 10:18:49	<b>Output ratio:</b>	67,4 %

**Protocol**

**LiTG-class:** A40  
**UTE-class:** 0,67 E  
**IES-class:** 48 - 80 - 96 - 100 - 67  
**TM5-class:** BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	111,1°	110,2°
<b>Half peak side angle (left)</b>	-55,6°	-55,1°
<b>Half peak side angle (right)</b>	55,6°	55,1°
<b>One tenth peak divergence</b>	158,9°	158,7°
<b>Tenth peak side angle (left)</b>	-79,4°	-79,3°
<b>Tenth peak side angle (right)</b>	79,4°	79,3°

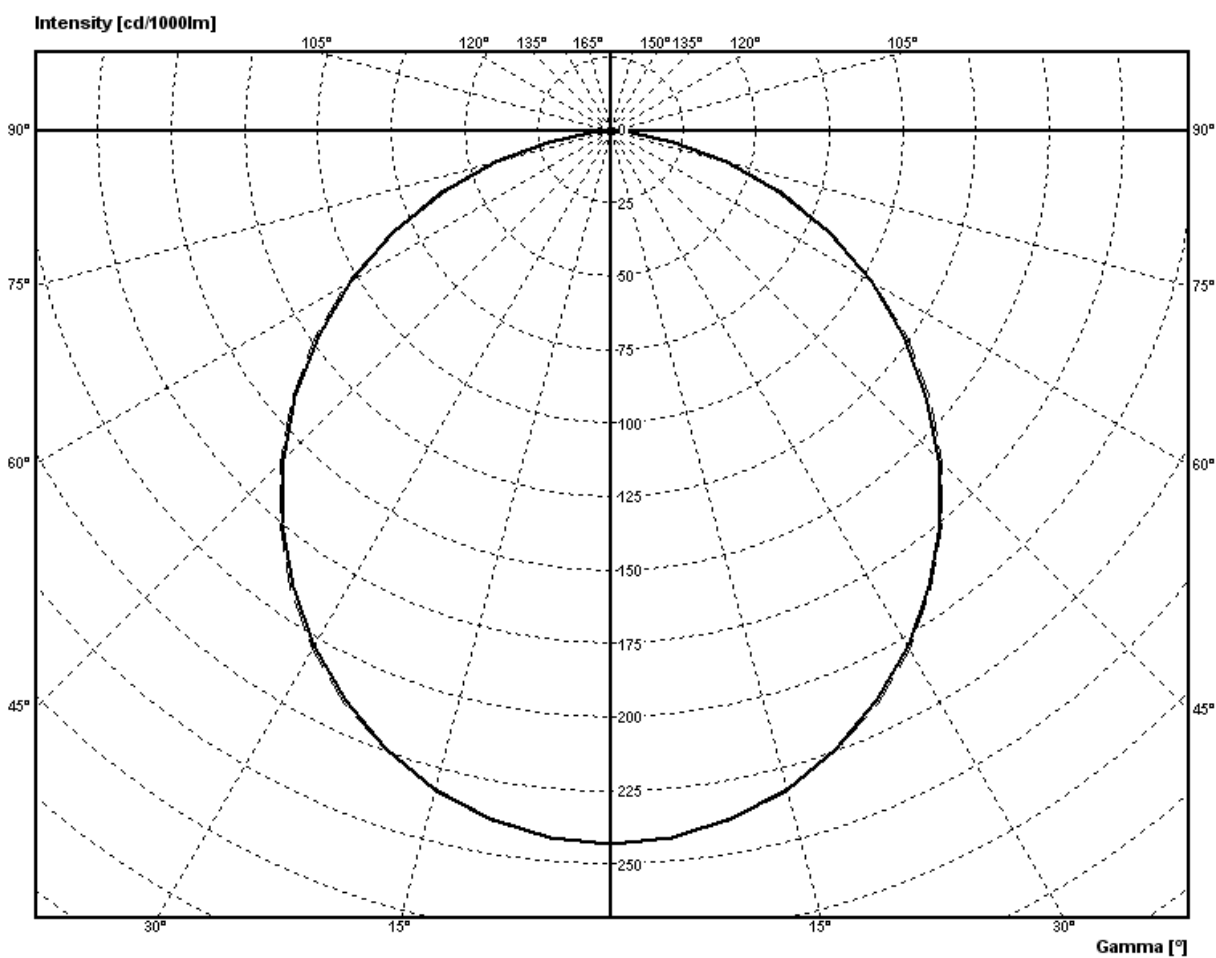
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<b>Gamma:</b>	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 THS LED 39W DOZ [1140X297mm] / Direct in 15° C / 5° G



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**UGR Unified Glare Ratios**

<b>Ceiling reflectance</b>		<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>	<b>0,7</b>	<b>0,7</b>	<b>0,5</b>	<b>0,5</b>	<b>0,3</b>
<b>Wall reflectance</b>		<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,5</b>	<b>0,3</b>	<b>0,3</b>
<b>Floor cavity reflectance</b>		<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>	<b>0,2</b>
<b>Room dimension</b>		<b>Viewed crosswise</b>					<b>Viewed endwise</b>				
<b>2H</b>	<b>2H</b>	16,0	17,6	16,4	17,9	18,3	16,8	18,4	17,1	18,7	19,0
<b>2H</b>	<b>3H</b>	17,2	18,7	17,6	19,0	19,3	18,2	19,7	18,6	20,0	20,3
<b>2H</b>	<b>4H</b>	17,6	19,0	18,0	19,3	19,7	18,7	20,1	19,1	20,4	20,8
<b>2H</b>	<b>6H</b>	17,8	19,1	18,2	19,4	19,8	19,0	20,3	19,4	20,7	21,0
<b>2H</b>	<b>8H</b>	17,8	19,0	18,2	19,4	19,8	19,0	20,3	19,4	20,7	21,1
<b>2H</b>	<b>12H</b>	17,8	19,0	18,2	19,3	19,7	19,0	20,2	19,4	20,6	21,0
<b>4H</b>	<b>2H</b>	16,7	18,1	17,1	18,4	18,8	17,3	18,7	17,7	19,0	19,4
<b>4H</b>	<b>3H</b>	18,0	19,2	18,4	19,6	20,0	18,8	20,0	19,2	20,4	20,8
<b>4H</b>	<b>4H</b>	18,5	19,5	18,9	20,0	20,4	19,5	20,5	19,9	20,9	21,4
<b>4H</b>	<b>6H</b>	18,7	19,7	19,2	20,1	20,5	19,8	20,7	20,2	21,2	21,6
<b>4H</b>	<b>8H</b>	18,8	19,7	19,2	20,1	20,6	19,9	20,8	20,3	21,2	21,7
<b>4H</b>	<b>12H</b>	18,8	19,6	19,3	20,0	20,5	19,9	20,7	20,4	21,2	21,7
<b>8H</b>	<b>4H</b>	18,7	19,6	19,1	20,0	20,5	19,6	20,4	20,0	20,9	21,3
<b>8H</b>	<b>6H</b>	19,0	19,7	19,5	20,2	20,7	19,9	20,7	20,4	21,2	21,6
<b>8H</b>	<b>8H</b>	19,1	19,7	19,6	20,2	20,7	20,1	20,8	20,6	21,3	21,8
<b>8H</b>	<b>12H</b>	19,1	19,7	19,6	20,2	20,7	20,2	20,7	20,7	21,2	21,7
<b>12H</b>	<b>4H</b>	18,7	19,5	19,2	19,9	20,4	19,6	20,4	20,0	20,8	21,3
<b>12H</b>	<b>6H</b>	19,0	19,7	19,6	20,2	20,7	20,0	20,6	20,5	21,2	21,6
<b>12H</b>	<b>8H</b>	19,1	19,7	19,7	20,2	20,7	20,1	20,7	20,7	21,2	21,7

UGR values are corrected for lamp flux of 5440 lm by 5,9

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**Luminance [cd/m<sup>2</sup>] THS LED 39W DOZ [1140X297mm] / 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	3322,81	3301,28	3351,44	3480,56	3691,22	3987,21	4381,25	3987,21	3691,22
50,00	3069,92	3052,22	3101,12	3235,73	3460,43	3779,82	4226,79	3779,82	3460,43
55,00	2792,12	2776,89	2829,94	2969,72	3197,94	3544,98	4030,72	3544,98	3197,94
60,00	2491,24	2469,33	2524,98	2660,75	2901,09	3264,08	3798,45	3264,08	2901,09
65,00	2143,89	2123,34	2173,73	2309,39	2547,38	2915,65	3486,15	2915,65	2547,38
70,00	1741,12	1722,24	1773,52	1893,30	2114,91	2481,10	3067,41	2481,10	2114,91
75,00	1278,51	1264,82	1306,73	1408,78	1596,12	1926,60	2511,37	1926,60	1596,12
80,00	772,35	761,97	794,50	859,11	1008,94	1247,51	1759,94	1247,51	1008,94
85,00	292,08	301,93	328,57	347,30	430,46	535,41	850,69	535,41	430,46

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	3480,56	3351,44	3301,28	3322,81	3301,28	3351,44	3480,56	3691,22	3987,21
50,00	3235,73	3101,12	3052,22	3069,92	3052,22	3101,12	3235,73	3460,43	3779,82
55,00	2969,72	2829,94	2776,89	2792,12	2776,89	2829,94	2969,72	3197,94	3544,98
60,00	2660,75	2524,98	2469,33	2491,24	2469,33	2524,98	2660,75	2901,09	3264,08
65,00	2309,39	2173,73	2123,34	2143,89	2123,34	2173,73	2309,39	2547,38	2915,65
70,00	1893,30	1773,52	1722,24	1741,12	1722,24	1773,52	1893,30	2114,91	2481,10
75,00	1408,78	1306,73	1264,82	1278,51	1264,82	1306,73	1408,78	1596,12	1926,60
80,00	859,11	794,50	761,97	772,35	761,97	794,50	859,11	1008,94	1247,51
85,00	347,30	328,57	301,93	292,08	301,93	328,57	347,30	430,46	535,41

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	4381,25	3987,21	3691,22	3480,56	3351,44	3301,28
50,00	4226,79	3779,82	3460,43	3235,73	3101,12	3052,22
55,00	4030,72	3544,98	3197,94	2969,72	2829,94	2776,89
60,00	3798,45	3264,08	2901,09	2660,75	2524,98	2469,33
65,00	3486,15	2915,65	2547,38	2309,39	2173,73	2123,34
70,00	3067,41	2481,10	2114,91	1893,30	1773,52	1722,24
75,00	2511,37	1926,60	1596,12	1408,78	1306,73	1264,82
80,00	1759,94	1247,51	1008,94	859,11	794,50	761,97
85,00	850,69	535,41	430,46	347,30	328,57	301,93

**HEADQUARTERS**

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