

**PHOTOMETRIC RESULTS**

<b>Name:</b>	<b>THS LED 47W DAM [1415X297mm]</b>		
<b>Number:</b>	01	<b>Diameter:</b>	0 mm
<b>Report:</b>	15-02-2016	<b>Length:</b>	1415 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>	47,14 W
<b>Lamp flux:</b>	6800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	15-02-2018 14:04:44	<b>Output ratio:</b>	71,5 %

**Protocol**

**LiTG-class:** A50  
**UTE-class:** 0,72 C  
**IES-class:** 61 - 89 - 98 - 100 - 72  
**TM5-class:** BZ2/1.00/BZ3

**Divergences in the plane through maximum intensity:**

	Horizontal	Vertical
<b>One half peak divergence</b>	82,1°	79,1°
<b>Half peak side angle (left)</b>	-41,1°	-39,6°
<b>Half peak side angle (right)</b>	41,1°	39,6°
<b>One tenth peak divergence</b>	136,5°	136,2°
<b>Tenth peak side angle (left)</b>	-68,2°	-68,1°
<b>Tenth peak side angle (right)</b>	68,2°	68,1°

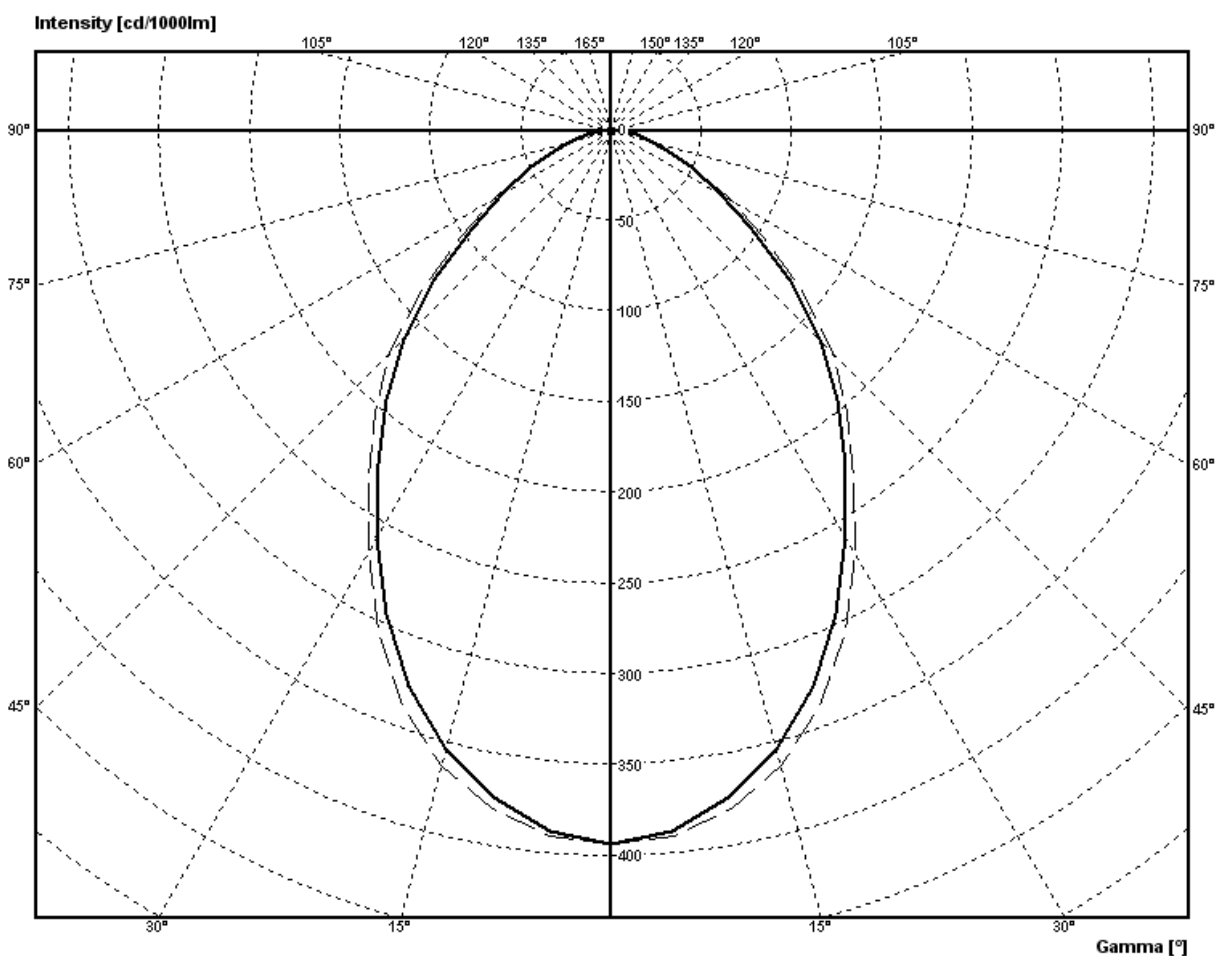
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 47W DAM [1415X297mm] / 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>	14,7	16,2	15,1	16,5	16,8	15,8	17,2	16,1	17,5	17,8
<b>2H</b>	<b>3H</b>	15,3	16,6	15,7	17,0	17,3	16,4	17,7	16,8	18,1	18,4
<b>2H</b>	<b>4H</b>	15,5	16,7	15,9	17,1	17,4	16,7	17,9	17,1	18,3	18,6
<b>2H</b>	<b>6H</b>	15,6	16,7	16,0	17,1	17,5	16,9	18,0	17,3	18,4	18,8
<b>2H</b>	<b>8H</b>	15,6	16,7	16,0	17,1	17,5	16,9	18,0	17,3	18,4	18,8
<b>2H</b>	<b>12H</b>	15,6	16,6	16,0	17,0	17,4	16,9	18,0	17,4	18,4	18,8
<b>4H</b>	<b>2H</b>	15,0	16,2	15,3	16,5	16,9	15,9	17,1	16,3	17,4	17,8
<b>4H</b>	<b>3H</b>	15,6	16,7	16,0	17,1	17,5	16,6	17,7	17,1	18,1	18,5
<b>4H</b>	<b>4H</b>	16,0	16,9	16,4	17,3	17,7	17,0	17,9	17,5	18,4	18,8
<b>4H</b>	<b>6H</b>	16,1	16,9	16,6	17,4	17,8	17,3	18,1	17,8	18,6	19,0
<b>4H</b>	<b>8H</b>	16,1	16,9	16,6	17,3	17,8	17,4	18,2	17,9	18,6	19,1
<b>4H</b>	<b>12H</b>	16,2	16,9	16,7	17,3	17,8	17,5	18,2	18,0	18,6	19,1
<b>8H</b>	<b>4H</b>	16,0	16,8	16,5	17,2	17,7	17,0	17,8	17,5	18,2	18,7
<b>8H</b>	<b>6H</b>	16,2	16,9	16,7	17,3	17,8	17,4	18,0	17,9	18,5	19,0
<b>8H</b>	<b>8H</b>	16,4	16,9	16,9	17,4	17,9	17,6	18,1	18,1	18,6	19,1
<b>8H</b>	<b>12H</b>	16,4	16,9	16,9	17,4	17,9	17,7	18,1	18,2	18,6	19,1
<b>12H</b>	<b>4H</b>	16,0	16,7	16,5	17,1	17,7	17,0	17,7	17,5	18,2	18,7
<b>12H</b>	<b>6H</b>	16,3	16,8	16,8	17,3	17,8	17,4	18,0	17,9	18,5	19,0
<b>12H</b>	<b>8H</b>	16,4	16,8	16,9	17,4	17,9	17,6	18,0	18,1	18,5	19,1

UGR values are corrected for lamp flux of 6800 lm by 6,7

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**Luminance [cd/m<sup>2</sup>] THS LED 47W DAM [1415X297mm] / 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	3403,32	3421,37	3574,06	3815,82	4097,97	4394,49	4808,09	4394,49	4097,97
50,00	2785,40	2853,74	2896,51	2891,98	3317,51	3738,90	4147,83	3738,90	3317,51
55,00	2140,93	2298,52	2082,01	1907,47	2380,01	3135,03	3409,38	3135,03	2380,01
60,00	1660,02	1725,57	1413,53	1520,58	1738,25	2473,17	2775,90	2473,17	1738,25
65,00	1294,45	1322,17	1055,55	1271,41	1314,67	1875,54	2198,47	1875,54	1314,67
70,00	935,23	1018,63	906,99	985,33	1113,03	1480,39	1689,65	1480,39	1113,03
75,00	691,54	744,21	738,66	757,26	925,77	1168,21	1513,31	1168,21	925,77
80,00	498,94	521,76	554,67	631,18	718,31	943,76	1239,32	943,76	718,31
85,00	241,12	276,76	319,80	332,54	471,27	590,93	806,88	590,93	471,27

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	3815,82	3574,06	3421,37	3403,32	3421,37	3574,06	3815,82	4097,97	4394,49
50,00	2891,98	2896,51	2853,74	2785,40	2853,74	2896,51	2891,98	3317,51	3738,90
55,00	1907,47	2082,01	2298,52	2140,93	2298,52	2082,01	1907,47	2380,01	3135,03
60,00	1520,58	1413,53	1725,57	1660,02	1725,57	1413,53	1520,58	1738,25	2473,17
65,00	1271,41	1055,55	1322,17	1294,45	1322,17	1055,55	1271,41	1314,67	1875,54
70,00	985,33	906,99	1018,63	935,23	1018,63	906,99	985,33	1113,03	1480,39
75,00	757,26	738,66	744,21	691,54	744,21	738,66	757,26	925,77	1168,21
80,00	631,18	554,67	521,76	498,94	521,76	554,67	631,18	718,31	943,76
85,00	332,54	319,80	276,76	241,12	276,76	319,80	332,54	471,27	590,93

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	4808,09	4394,49	4097,97	3815,82	3574,06	3421,37
50,00	4147,83	3738,90	3317,51	2891,98	2896,51	2853,74
55,00	3409,38	3135,03	2380,01	1907,47	2082,01	2298,52
60,00	2775,90	2473,17	1738,25	1520,58	1413,53	1725,57
65,00	2198,47	1875,54	1314,67	1271,41	1055,55	1322,17
70,00	1689,65	1480,39	1113,03	985,33	906,99	1018,63
75,00	1513,31	1168,21	925,77	757,26	738,66	744,21
80,00	1239,32	943,76	718,31	631,18	554,67	521,76
85,00	806,88	590,93	471,27	332,54	319,80	276,76

**HEADQUARTERS**

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