

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 100 L0660 TOP 840 LO</b>		
<b>Number:</b>	90480L060	<b>Diameter:</b>	0 mm
<b>Report:</b>	14-01-2020	<b>Length:</b>	660 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	105 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	105 mm
<b>Number:</b>	1	<b>Power:</b>	22,99 W
<b>Lamp flux:</b>	3800,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	14-01-2020 16:28:53	<b>Output ratio:</b>	81,1 %

## Protocol

**LiTG-class:** B31  
**UTE-class:** 0,72 G + 0,09 T  
**IES-class:** 42 - 71 - 89 - 89 - 81  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	100,8°	133,6°
<b>Half peak side angle (left)</b>	-50,4°	-66,8°
<b>Half peak side angle (right)</b>	50,4°	66,8°
<b>One tenth peak divergence</b>	155,5°	237,2°
<b>Tenth peak side angle (left)</b>	-77,7°	-118,6°
<b>Tenth peak side angle (right)</b>	77,7°	118,6°

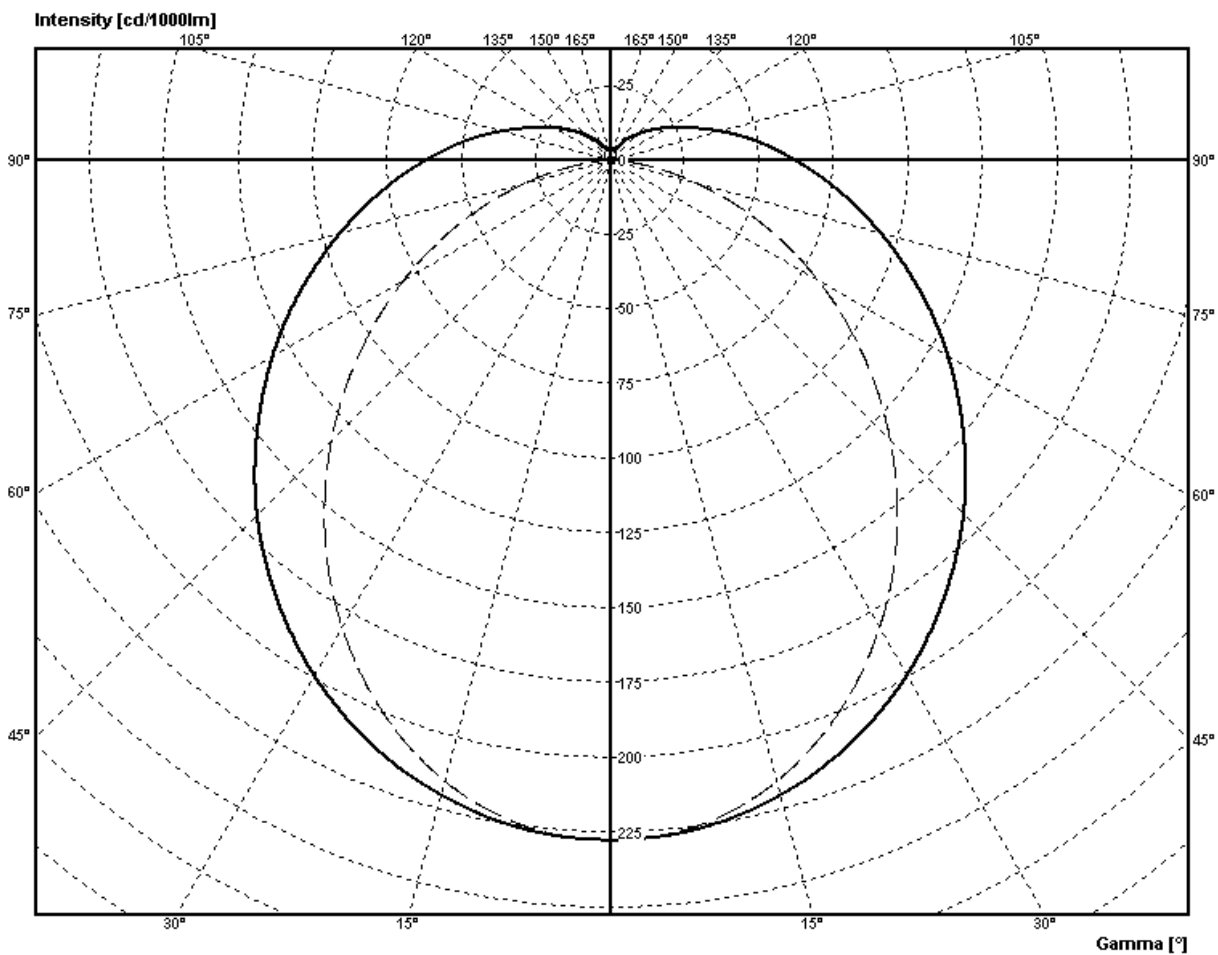
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	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 TTP 100 L0660 TOP 840 LO / Total 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>		Viewed crosswise					Viewed endwise				
<b>2H</b>	<b>2H</b>	18,0	19,5	18,5	20,0	20,6	17,3	18,8	17,8	19,3	19,9
<b>2H</b>	<b>3H</b>	19,9	21,2	20,4	21,7	22,3	18,5	19,9	19,1	20,4	21,0
<b>2H</b>	<b>4H</b>	20,8	22,0	21,3	22,6	23,2	19,0	20,3	19,5	20,8	21,4
<b>2H</b>	<b>6H</b>	21,6	22,8	22,2	23,4	24,0	19,3	20,5	19,9	21,0	21,7
<b>2H</b>	<b>8H</b>	22,0	23,1	22,6	23,7	24,4	19,3	20,5	19,9	21,1	21,7
<b>2H</b>	<b>12H</b>	22,4	23,5	22,9	24,0	24,7	19,3	20,5	19,9	21,0	21,7
<b>4H</b>	<b>2H</b>	18,6	19,9	19,1	20,4	21,0	18,0	19,3	18,6	19,9	20,5
<b>4H</b>	<b>3H</b>	20,6	21,8	21,2	22,3	23,0	19,5	20,6	20,0	21,1	21,8
<b>4H</b>	<b>4H</b>	21,7	22,7	22,3	23,3	24,0	20,1	21,1	20,7	21,7	22,4
<b>4H</b>	<b>6H</b>	22,8	23,7	23,4	24,3	25,0	20,4	21,4	21,1	22,0	22,7
<b>4H</b>	<b>8H</b>	23,3	24,1	23,9	24,7	25,4	20,6	21,4	21,2	22,0	22,7
<b>4H</b>	<b>12H</b>	23,7	24,5	24,4	25,2	25,9	20,6	21,4	21,3	22,0	22,8
<b>8H</b>	<b>4H</b>	22,0	22,9	22,6	23,5	24,2	20,5	21,4	21,2	22,0	22,7
<b>8H</b>	<b>6H</b>	23,2	23,9	23,9	24,6	25,3	21,1	21,9	21,8	22,5	23,2
<b>8H</b>	<b>8H</b>	23,9	24,6	24,6	25,2	25,9	21,4	22,0	22,1	22,7	23,4
<b>8H</b>	<b>12H</b>	24,6	25,1	25,2	25,8	26,5	21,5	22,1	22,2	22,8	23,5
<b>12H</b>	<b>4H</b>	22,0	22,8	22,7	23,4	24,2	20,7	21,5	21,3	22,1	22,8
<b>12H</b>	<b>6H</b>	23,3	24,0	24,0	24,7	25,4	21,4	22,0	22,0	22,7	23,4
<b>12H</b>	<b>8H</b>	24,0	24,6	24,7	25,3	26,0	21,7	22,2	22,3	22,9	23,6

UGR values are corrected for lamp flux of 3800 lm by 4,6

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Luminance [cd/m<sup>2</sup>] TTP 100 L0660 TOP 840 LO / 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	7002,74	6884,00	6812,55	6861,70	7157,53	7903,79	9457,42	7903,79	7157,53
50,00	6523,58	6394,70	6292,55	6288,11	6502,94	7197,62	8798,13	7197,62	6502,94
55,00	6071,86	5945,59	5796,87	5742,56	5877,94	6483,11	8083,28	6483,11	5877,94
60,00	5657,02	5509,40	5344,69	5223,91	5268,80	5735,26	7314,30	5735,26	5268,80
65,00	5262,48	5103,82	4916,77	4743,79	4682,12	4975,37	6426,87	4975,37	4682,12
70,00	4879,34	4728,91	4521,28	4298,34	4133,12	4184,81	5424,92	4184,81	4133,12
75,00	4528,72	4377,61	4153,36	3887,62	3610,17	3398,41	4210,95	3398,41	3610,17
80,00	4209,62	4059,13	3823,44	3516,70	3143,43	2651,83	2860,44	2651,83	3143,43
85,00	3927,65	3776,83	3531,18	3194,79	2731,05	2001,74	1356,24	2001,74	2731,05

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6861,70	6812,55	6884,00	7002,74	6884,00	6812,55	6861,70	7157,53	7903,79
50,00	6288,11	6292,55	6394,70	6523,58	6394,70	6292,55	6288,11	6502,94	7197,62
55,00	5742,56	5796,87	5945,59	6071,86	5945,59	5796,87	5742,56	5877,94	6483,11
60,00	5223,91	5344,69	5509,40	5657,02	5509,40	5344,69	5223,91	5268,80	5735,26
65,00	4743,79	4916,77	5103,82	5262,48	5103,82	4916,77	4743,79	4682,12	4975,37
70,00	4298,34	4521,28	4728,91	4879,34	4728,91	4521,28	4298,34	4133,12	4184,81
75,00	3887,62	4153,36	4377,61	4528,72	4377,61	4153,36	3887,62	3610,17	3398,41
80,00	3516,70	3823,44	4059,13	4209,62	4059,13	3823,44	3516,70	3143,43	2651,83
85,00	3194,79	3531,18	3776,83	3927,65	3776,83	3531,18	3194,79	2731,05	2001,74

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	9457,42	7903,79	7157,53	6861,70	6812,55	6884,00
50,00	8798,13	7197,62	6502,94	6288,11	6292,55	6394,70
55,00	8083,28	6483,11	5877,94	5742,56	5796,87	5945,59
60,00	7314,30	5735,26	5268,80	5223,91	5344,69	5509,40
65,00	6426,87	4975,37	4682,12	4743,79	4916,77	5103,82
70,00	5424,92	4184,81	4133,12	4298,34	4521,28	4728,91
75,00	4210,95	3398,41	3610,17	3887,62	4153,36	4377,61
80,00	2860,44	2651,83	3143,43	3516,70	3823,44	4059,13
85,00	1356,24	2001,74	2731,05	3194,79	3531,18	3776,83

## HEADQUARTERS

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