

## PHOTOMETRIC RESULTS

<b>Name:</b>	TTP 70 L0900 TOP 840 LO		
<b>Number:</b>	90476L090	<b>Diameter:</b>	0 mm
<b>Report:</b>	10-01-2020	<b>Length:</b>	900 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 840 - 01	<b>Height:</b>	70 mm
<b>Number:</b>	1	<b>Power:</b>	17,75 W
<b>Lamp flux:</b>	2850,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	10-01-2020 9:35:48	<b>Output ratio:</b>	84,1 %

## Protocol

**LiTG-class:** A42  
**UTE-class:** 0,84 E + 0,03 T  
**IES-class:** 47 - 79 - 95 - 97 - 87  
**TM5-class:** BZ4

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	107,0°	110,4°
<b>Half peak side angle (left)</b>	-53,5°	-55,2°
<b>Half peak side angle (right)</b>	53,5°	55,2°
<b>One tenth peak divergence</b>	152,7°	162,4°
<b>Tenth peak side angle (left)</b>	-76,4°	-81,2°
<b>Tenth peak side angle (right)</b>	76,4°	81,2°

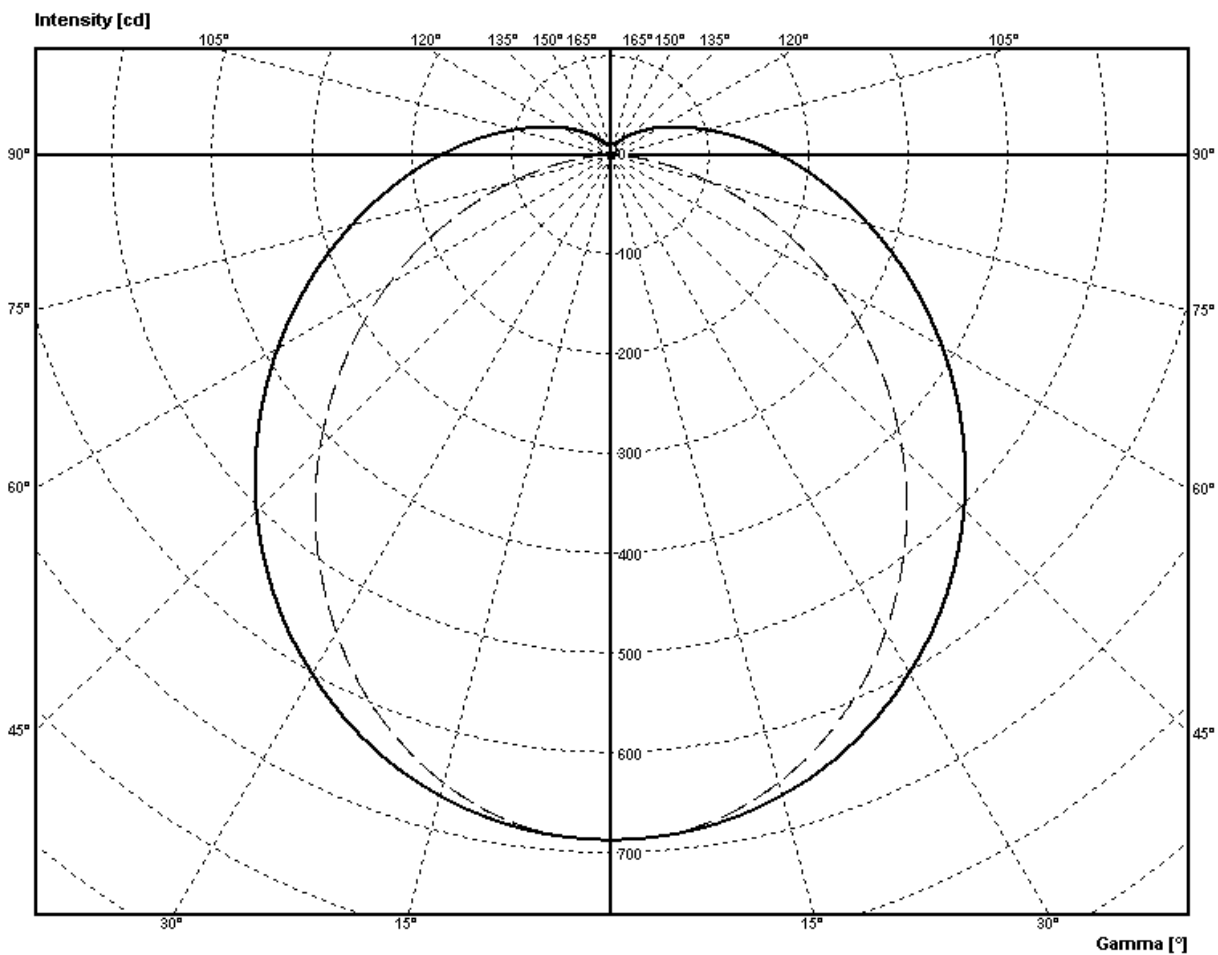
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 70 L0900 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>	20,5	22,1	20,9	22,5	22,8	21,3	22,9	21,7	23,3	23,7
<b>2H</b>	<b>3H</b>	21,7	23,1	22,1	23,5	23,9	22,4	23,9	22,9	24,3	24,7
<b>2H</b>	<b>4H</b>	22,1	23,4	22,5	23,9	24,3	22,8	24,1	23,2	24,5	25,0
<b>2H</b>	<b>6H</b>	22,4	23,6	22,8	24,0	24,5	23,0	24,2	23,4	24,6	25,1
<b>2H</b>	<b>8H</b>	22,4	23,6	22,8	24,0	24,5	23,0	24,2	23,4	24,6	25,1
<b>2H</b>	<b>12H</b>	22,4	23,5	22,8	24,0	24,4	22,9	24,1	23,4	24,5	25,0
<b>4H</b>	<b>2H</b>	21,1	22,5	21,6	22,9	23,3	21,8	23,1	22,2	23,5	24,0
<b>4H</b>	<b>3H</b>	22,5	23,6	22,9	24,0	24,5	23,0	24,2	23,5	24,6	25,1
<b>4H</b>	<b>4H</b>	23,0	24,0	23,5	24,5	25,0	23,5	24,5	24,0	25,0	25,5
<b>4H</b>	<b>6H</b>	23,3	24,2	23,8	24,7	25,2	23,7	24,6	24,2	25,1	25,6
<b>4H</b>	<b>8H</b>	23,4	24,2	23,9	24,7	25,3	23,8	24,6	24,3	25,1	25,6
<b>4H</b>	<b>12H</b>	23,4	24,2	23,9	24,7	25,3	23,8	24,6	24,3	25,1	25,6
<b>8H</b>	<b>4H</b>	23,2	24,0	23,7	24,5	25,1	23,7	24,5	24,2	25,0	25,5
<b>8H</b>	<b>6H</b>	23,6	24,3	24,1	24,8	25,4	23,9	24,7	24,5	25,2	25,7
<b>8H</b>	<b>8H</b>	23,8	24,4	24,3	24,9	25,5	24,1	24,7	24,7	25,3	25,8
<b>8H</b>	<b>12H</b>	23,8	24,3	24,4	24,9	25,5	24,1	24,7	24,7	25,2	25,8
<b>12H</b>	<b>4H</b>	23,2	24,0	23,7	24,5	25,0	23,7	24,5	24,2	24,9	25,5
<b>12H</b>	<b>6H</b>	23,7	24,3	24,2	24,8	25,4	24,0	24,6	24,6	25,2	25,7
<b>12H</b>	<b>8H</b>	23,8	24,3	24,4	24,9	25,4	24,1	24,7	24,7	25,2	25,8

UGR values are corrected for lamp flux of 5550 lm by 6,0

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Luminance [cd/m<sup>2</sup>] TTP 70 L0900 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	5683,00	5655,30	5700,61	5861,01	6264,47	7080,83	8659,00	7080,83	6264,47
50,00	5273,11	5239,41	5255,02	5380,45	5741,20	6539,56	8239,22	6539,56	5741,20
55,00	4879,68	4840,48	4834,47	4917,35	5214,13	5977,55	7767,49	5977,55	5214,13
60,00	4508,75	4460,00	4436,10	4468,13	4703,77	5376,10	7235,48	5376,10	4703,77
65,00	4155,28	4100,37	4047,84	4040,68	4180,46	4726,80	6603,13	4726,80	4180,46
70,00	3821,03	3758,71	3687,99	3635,74	3673,79	4032,66	5828,88	4032,66	3673,79
75,00	3502,30	3443,01	3355,67	3253,65	3187,65	3290,41	4840,60	3290,41	3187,65
80,00	3217,11	3151,61	3049,57	2901,00	2726,70	2544,21	3598,95	2544,21	2726,70
85,00	2951,42	2889,79	2771,94	2586,30	2316,26	1859,14	2029,56	1859,14	2316,26

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5861,01	5700,61	5655,30	5683,00	5655,30	5700,61	5861,01	6264,47	7080,83
50,00	5380,45	5255,02	5239,41	5273,11	5239,41	5255,02	5380,45	5741,20	6539,56
55,00	4917,35	4834,47	4840,48	4879,68	4840,48	4834,47	4917,35	5214,13	5977,55
60,00	4468,13	4436,10	4460,00	4508,75	4460,00	4436,10	4468,13	4703,77	5376,10
65,00	4040,68	4047,84	4100,37	4155,28	4100,37	4047,84	4040,68	4180,46	4726,80
70,00	3635,74	3687,99	3758,71	3821,03	3758,71	3687,99	3635,74	3673,79	4032,66
75,00	3253,65	3355,67	3443,01	3502,30	3443,01	3355,67	3253,65	3187,65	3290,41
80,00	2901,00	3049,57	3151,61	3217,11	3151,61	3049,57	2901,00	2726,70	2544,21
85,00	2586,30	2771,94	2889,79	2951,42	2889,79	2771,94	2586,30	2316,26	1859,14

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	8659,00	7080,83	6264,47	5861,01	5700,61	5655,30
50,00	8239,22	6539,56	5741,20	5380,45	5255,02	5239,41
55,00	7767,49	5977,55	5214,13	4917,35	4834,47	4840,48
60,00	7235,48	5376,10	4703,77	4468,13	4436,10	4460,00
65,00	6603,13	4726,80	4180,46	4040,68	4047,84	4100,37
70,00	5828,88	4032,66	3673,79	3635,74	3687,99	3758,71
75,00	4840,60	3290,41	3187,65	3253,65	3355,67	3443,01
80,00	3598,95	2544,21	2726,70	2901,00	3049,57	3151,61
85,00	2029,56	1859,14	2316,26	2586,30	2771,94	2889,79

## HEADQUARTERS

INDÚSTRIA ELÉTRICA DE ÁGUEDA S.A.

Rua da Mina 465 | Covão | Zona industrial EN1 Norte

3750-792 Trofa ÁGUEDA | PORTUGAL

www.indelague.com | www.roxolighting.com

indelague@indelague.pt | roxo.london@roxolighting.com

Tel. (+351) 234 612 310

Fax (+351) 234 624 058