

## PHOTOMETRIC RESULTS

<b>Name:</b>	<b>TTP 70 LINE L0620 TOP 840 SRT/MID LO</b>		
<b>Number:</b>	90488L060-58	<b>Diameter:</b>	0 mm
<b>Report:</b>	14-01-2020	<b>Length:</b>	620 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>	12,66 W
<b>Lamp flux:</b>	1900,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	14-01-2020 9:25:53	<b>Output ratio:</b>	84,3 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,76 G + 0,08 T  
**IES-class:** 42 - 71 - 90 - 90 - 84  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	101,9°	129,3°
<b>Half peak side angle (left)</b>	-51,0°	-64,6°
<b>Half peak side angle (right)</b>	51,0°	64,6°
<b>One tenth peak divergence</b>	156,3°	226,6°
<b>Tenth peak side angle (left)</b>	-78,1°	-113,3°
<b>Tenth peak side angle (right)</b>	78,1°	113,3°

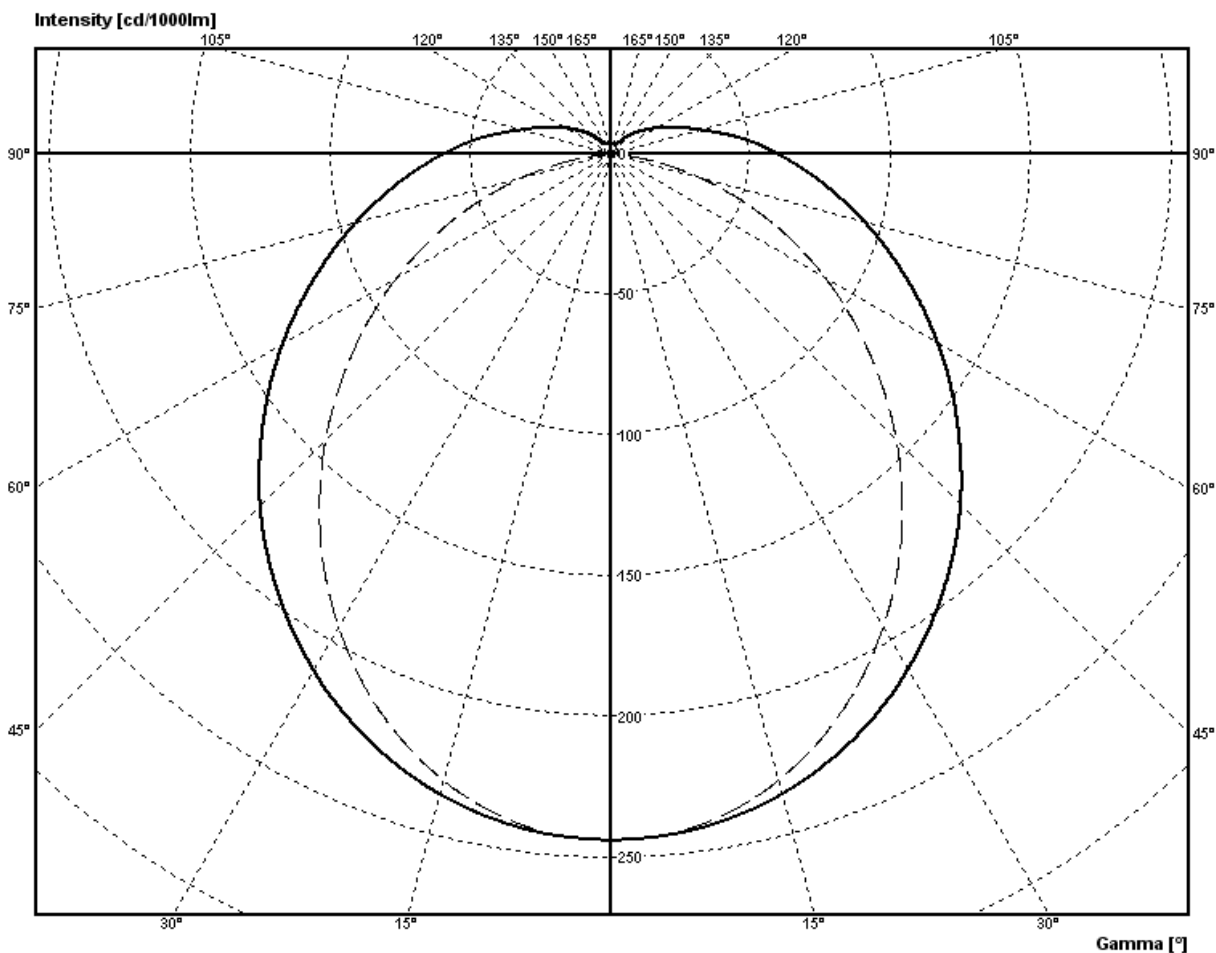
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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°	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 LINE L0620 TOP 840 SRT/MID 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>	17,3	18,8	17,8	19,3	19,8	17,0	18,4	17,5	18,9	19,5
<b>2H</b>	<b>3H</b>	19,0	20,4	19,6	20,9	21,5	18,3	19,6	18,8	20,1	20,7
<b>2H</b>	<b>4H</b>	19,9	21,2	20,4	21,7	22,3	18,7	20,0	19,3	20,6	21,1
<b>2H</b>	<b>6H</b>	20,7	21,9	21,3	22,5	23,1	19,1	20,3	19,6	20,8	21,4
<b>2H</b>	<b>8H</b>	21,1	22,2	21,6	22,8	23,4	19,1	20,3	19,7	20,8	21,4
<b>2H</b>	<b>12H</b>	21,4	22,5	21,9	23,1	23,7	19,1	20,2	19,7	20,8	21,4
<b>4H</b>	<b>2H</b>	17,9	19,2	18,4	19,7	20,3	17,6	18,9	18,1	19,4	20,0
<b>4H</b>	<b>3H</b>	19,8	21,0	20,4	21,5	22,1	19,1	20,2	19,6	20,8	21,4
<b>4H</b>	<b>4H</b>	20,9	21,9	21,5	22,5	23,1	19,7	20,7	20,3	21,3	22,0
<b>4H</b>	<b>6H</b>	21,9	22,8	22,4	23,4	24,0	20,1	21,0	20,7	21,6	22,3
<b>4H</b>	<b>8H</b>	22,3	23,2	22,9	23,8	24,4	20,2	21,1	20,8	21,7	22,4
<b>4H</b>	<b>12H</b>	22,8	23,6	23,4	24,2	24,9	20,3	21,1	20,9	21,7	22,4
<b>8H</b>	<b>4H</b>	21,2	22,0	21,8	22,6	23,3	20,1	21,0	20,7	21,6	22,3
<b>8H</b>	<b>6H</b>	22,3	23,0	22,9	23,7	24,4	20,7	21,4	21,3	22,0	22,7
<b>8H</b>	<b>8H</b>	23,0	23,6	23,6	24,3	25,0	21,0	21,6	21,6	22,3	23,0
<b>8H</b>	<b>12H</b>	23,6	24,1	24,2	24,8	25,5	21,1	21,7	21,8	22,3	23,0
<b>12H</b>	<b>4H</b>	21,2	22,0	21,8	22,6	23,3	20,2	21,0	20,8	21,6	22,3
<b>12H</b>	<b>6H</b>	22,4	23,1	23,1	23,7	24,4	20,9	21,6	21,6	22,2	22,9
<b>12H</b>	<b>8H</b>	23,1	23,7	23,7	24,3	25,0	21,2	21,8	21,9	22,4	23,1

UGR values are corrected for lamp flux of 1900 lm by 2,2

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Luminance [cd/m<sup>2</sup>] TTP 70 LINE L0620 TOP 840 SRT/MID 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	5532,85	5482,47	5493,76	5605,17	5950,38	6683,78	8097,62	6683,78	5950,38
50,00	5120,91	5075,32	5053,61	5136,14	5423,14	6131,01	7618,09	6131,01	5423,14
55,00	4741,47	4685,08	4643,76	4678,72	4911,03	5564,79	7105,58	5564,79	4911,03
60,00	4379,87	4317,33	4251,97	4241,80	4407,81	4971,69	6565,22	4971,69	4407,81
65,00	4034,57	3966,77	3884,82	3827,80	3907,36	4337,22	5917,00	4337,22	3907,36
70,00	3707,80	3641,06	3538,52	3441,26	3428,84	3671,38	5107,64	3671,38	3428,84
75,00	3409,67	3340,66	3222,24	3079,84	2972,90	2973,41	4111,01	2973,41	2972,90
80,00	3134,32	3063,39	2933,09	2752,60	2545,26	2273,51	2866,12	2273,51	2545,26
85,00	2879,70	2809,53	2671,67	2458,96	2166,19	1650,92	1419,05	1650,92	2166,19

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	5605,17	5493,76	5482,47	5532,85	5482,47	5493,76	5605,17	5950,38	6683,78
50,00	5136,14	5053,61	5075,32	5120,91	5075,32	5053,61	5136,14	5423,14	6131,01
55,00	4678,72	4643,76	4685,08	4741,47	4685,08	4643,76	4678,72	4911,03	5564,79
60,00	4241,80	4251,97	4317,33	4379,87	4317,33	4251,97	4241,80	4407,81	4971,69
65,00	3827,80	3884,82	3966,77	4034,57	3966,77	3884,82	3827,80	3907,36	4337,22
70,00	3441,26	3538,52	3641,06	3707,80	3641,06	3538,52	3441,26	3428,84	3671,38
75,00	3079,84	3222,24	3340,66	3409,67	3340,66	3222,24	3079,84	2972,90	2973,41
80,00	2752,60	2933,09	3063,39	3134,32	3063,39	2933,09	2752,60	2545,26	2273,51
85,00	2458,96	2671,67	2809,53	2879,70	2809,53	2671,67	2458,96	2166,19	1650,92

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	8097,62	6683,78	5950,38	5605,17	5493,76	5482,47
50,00	7618,09	6131,01	5423,14	5136,14	5053,61	5075,32
55,00	7105,58	5564,79	4911,03	4678,72	4643,76	4685,08
60,00	6565,22	4971,69	4407,81	4241,80	4251,97	4317,33
65,00	5917,00	4337,22	3907,36	3827,80	3884,82	3966,77
70,00	5107,64	3671,38	3428,84	3441,26	3538,52	3641,06
75,00	4111,01	2973,41	2972,90	3079,84	3222,24	3340,66
80,00	2866,12	2273,51	2545,26	2752,60	2933,09	3063,39
85,00	1419,05	1650,92	2166,19	2458,96	2671,67	2809,53

## 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