

## PHOTOMETRIC RESULTS

Name:	TTP 70 LINE L0900 TOP 840 END HO		
Number:	90486L090-50	Diameter:	0 mm
Report:	14-01-2020	Length:	900 mm
Meas.-no.:	01	Width:	70 mm
Lamp type:	LED 840 - 01	Height:	70 mm
Number:	1	Power:	40,67 W
Lamp flux:	6150,00 lm	Operator:	INDEL AGUE GROUP
Date:	14-01-2020 10:14:36	Output ratio:	80,0 %

## Protocol

LiTG-class: A31  
UTE-class: 0,72 G + 0,08 T  
IES-class: 42 - 71 - 90 - 90 - 80  
TM5-class: BZ5

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence	102,0°	129,2°
Half peak side angle (left)	-51,0°	-64,6°
Half peak side angle (right)	51,0°	64,6°
One tenth peak divergence	156,2°	226,7°
Tenth peak side angle (left)	-78,1°	-113,3°
Tenth peak side angle (right)	78,1°	113,3°

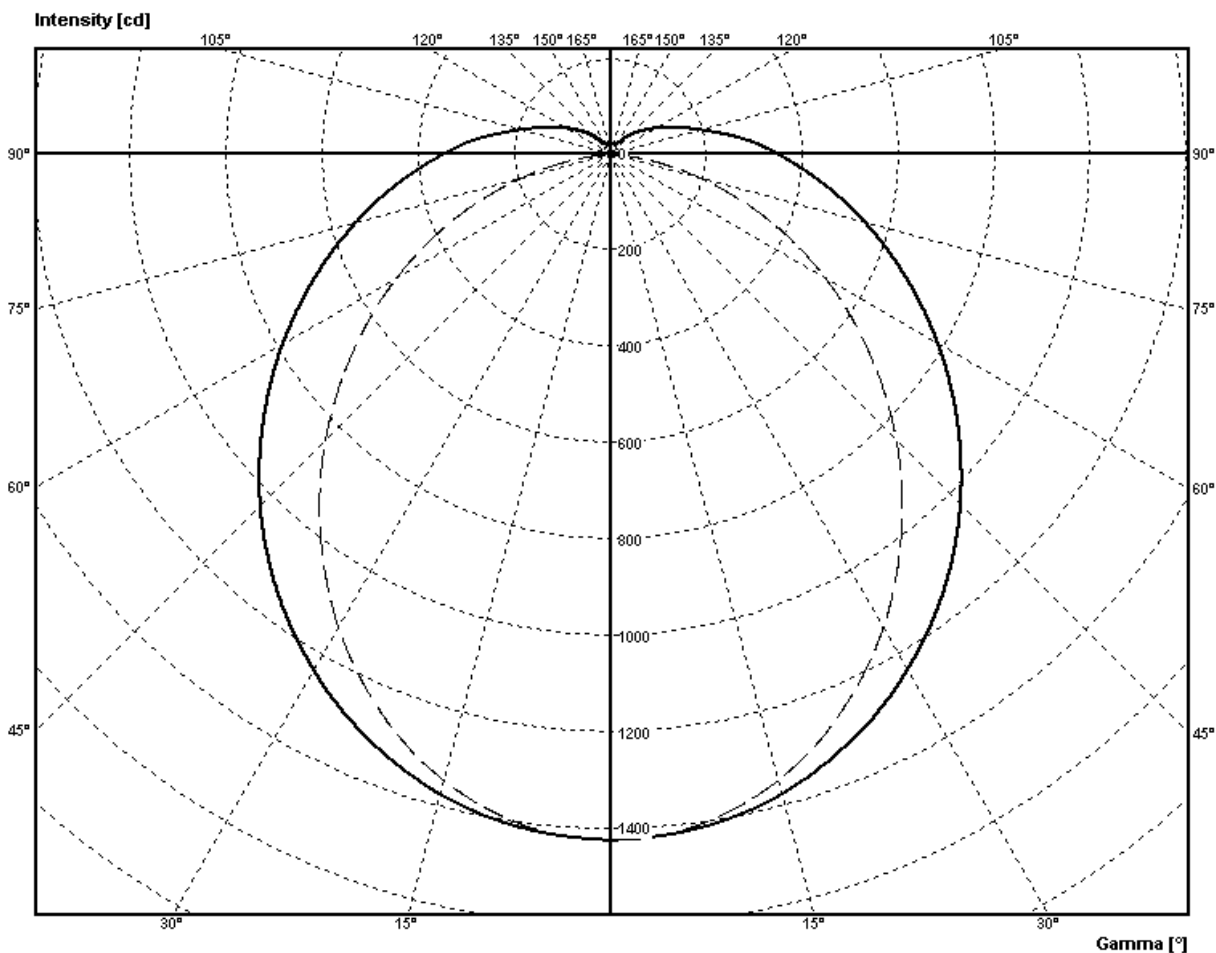
C-planes:	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

Gamma:	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 L0900 TOP 840 END HO / 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>	19,9	21,4	20,4	21,9	22,4	19,7	21,1	20,2	21,6	22,2
<b>2H</b>	<b>3H</b>	21,6	23,0	22,2	23,5	24,1	21,0	22,4	21,5	22,9	23,4
<b>2H</b>	<b>4H</b>	22,5	23,8	23,0	24,3	24,9	21,5	22,8	22,0	23,3	23,9
<b>2H</b>	<b>6H</b>	23,3	24,5	23,9	25,1	25,7	21,8	23,0	22,4	23,6	24,2
<b>2H</b>	<b>8H</b>	23,7	24,8	24,2	25,4	26,0	21,9	23,0	22,4	23,6	24,2
<b>2H</b>	<b>12H</b>	24,0	25,1	24,5	25,7	26,3	21,9	23,0	22,4	23,6	24,2
<b>4H</b>	<b>2H</b>	20,5	21,8	21,0	22,3	22,9	20,3	21,6	20,8	22,1	22,7
<b>4H</b>	<b>3H</b>	22,5	23,6	23,0	24,1	24,8	21,8	22,9	22,3	23,5	24,1
<b>4H</b>	<b>4H</b>	23,5	24,5	24,1	25,1	25,7	22,5	23,5	23,0	24,0	24,7
<b>4H</b>	<b>6H</b>	24,5	25,4	25,1	26,0	26,6	22,9	23,8	23,5	24,4	25,0
<b>4H</b>	<b>8H</b>	24,9	25,8	25,5	26,4	27,1	23,0	23,8	23,6	24,5	25,1
<b>4H</b>	<b>12H</b>	25,4	26,2	26,0	26,8	27,5	23,1	23,9	23,7	24,5	25,2
<b>8H</b>	<b>4H</b>	23,8	24,6	24,4	25,2	25,9	22,9	23,7	23,5	24,3	25,0
<b>8H</b>	<b>6H</b>	24,9	25,7	25,5	26,3	27,0	23,4	24,2	24,1	24,8	25,5
<b>8H</b>	<b>8H</b>	25,6	26,2	26,2	26,9	27,6	23,7	24,4	24,4	25,0	25,7
<b>8H</b>	<b>12H</b>	26,2	26,8	26,8	27,4	28,1	23,9	24,4	24,5	25,1	25,8
<b>12H</b>	<b>4H</b>	23,8	24,6	24,4	25,2	25,9	23,0	23,7	23,6	24,3	25,0
<b>12H</b>	<b>6H</b>	25,1	25,7	25,7	26,4	27,1	23,7	24,3	24,3	25,0	25,6
<b>12H</b>	<b>8H</b>	25,7	26,3	26,4	26,9	27,6	24,0	24,5	24,6	25,2	25,9

UGR values are corrected for lamp flux of 6150 lm by 6,3

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<b>Lamp flux:</b>	6150,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
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Luminance [cd/m<sup>2</sup>] TTP 70 LINE L0900 TOP 840 END HO / 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	11652,6	11607,7	11677,8	11997,4	12798,1	14447,2	17633,0	14447,2	12798,1
50,00	10798,7	10754,2	10761,3	10989,9	11700,3	13312,8	16691,8	13312,8	11700,3
55,00	9991,01	9927,23	9893,07	10027,6	10609,1	12132,9	15667,4	12132,9	10609,1
60,00	9229,46	9156,45	9073,06	9113,97	9545,62	10883,5	14577,5	10883,5	9545,62
65,00	8497,32	8422,45	8293,56	8240,66	8488,27	9560,43	13280,2	9560,43	8488,27
70,00	7816,34	7731,84	7572,54	7427,96	7478,71	8125,12	11648,1	8125,12	7478,71
75,00	7186,97	7091,09	6897,38	6670,71	6497,33	6633,57	9524,17	6633,57	6497,33
80,00	6612,74	6510,83	6294,93	5961,90	5595,15	5118,16	6831,14	5118,16	5595,15
85,00	6063,20	5988,39	5736,15	5340,39	4782,39	3779,59	3623,72	3779,59	4782,39

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	11997,4	11677,8	11607,7	11652,6	11607,7	11677,8	11997,4	12798,1	14447,2
50,00	10989,9	10761,3	10754,2	10798,7	10754,2	10761,3	10989,9	11700,3	13312,8
55,00	10027,6	9893,07	9927,23	9991,01	9927,23	9893,07	10027,6	10609,1	12132,9
60,00	9113,97	9073,06	9156,45	9229,46	9156,45	9073,06	9113,97	9545,62	10883,5
65,00	8240,66	8293,56	8422,45	8497,32	8422,45	8293,56	8240,66	8488,27	9560,43
70,00	7427,96	7572,54	7731,84	7816,34	7731,84	7572,54	7427,96	7478,71	8125,12
75,00	6670,71	6897,38	7091,09	7186,97	7091,09	6897,38	6670,71	6497,33	6633,57
80,00	5961,90	6294,93	6510,83	6612,74	6510,83	6294,93	5961,90	5595,15	5118,16
85,00	5340,39	5736,15	5988,39	6063,20	5988,39	5736,15	5340,39	4782,39	3779,59

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	17633,0	14447,2	12798,1	11997,4	11677,8	11607,7
50,00	16691,8	13312,8	11700,3	10989,9	10761,3	10754,2
55,00	15667,4	12132,9	10609,1	10027,6	9893,07	9927,23
60,00	14577,5	10883,5	9545,62	9113,97	9073,06	9156,45
65,00	13280,2	9560,43	8488,27	8240,66	8293,56	8422,45
70,00	11648,1	8125,12	7478,71	7427,96	7572,54	7731,84
75,00	9524,17	6633,57	6497,33	6670,71	6897,38	7091,09
80,00	6831,14	5118,16	5595,15	5961,90	6294,93	6510,83
85,00	3623,72	3779,59	4782,39	5340,39	5736,15	5988,39

## HEADQUARTERS

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