

## PHOTOMETRIC RESULTS

<b>Name:</b>	TTP 70 L1460 TOP K3 840 LO		
<b>Number:</b>	90476L150	<b>Diameter:</b>	0 mm
<b>Report:</b>	07-01-2020	<b>Length:</b>	1460 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>	28,24 W
<b>Lamp flux:</b>	4750,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	07-01-2020 14:08:56	<b>Output ratio:</b>	85,3 %

## Protocol

**LiTG-class:** A31  
**UTE-class:** 0,77 G + 0,08 T  
**IES-class:** 42 - 71 - 90 - 90 - 85  
**TM5-class:** BZ5

<b>Divergences in the plane through maximum intensity:</b>	Horizontal	Vertical
<b>One half peak divergence</b>	103,2°	130,6°
<b>Half peak side angle (left)</b>	-51,6°	-65,3°
<b>Half peak side angle (right)</b>	51,6°	65,3°
<b>One tenth peak divergence</b>	157,1°	231,2°
<b>Tenth peak side angle (left)</b>	-78,6°	-115,6°
<b>Tenth peak side angle (right)</b>	78,6°	115,6°

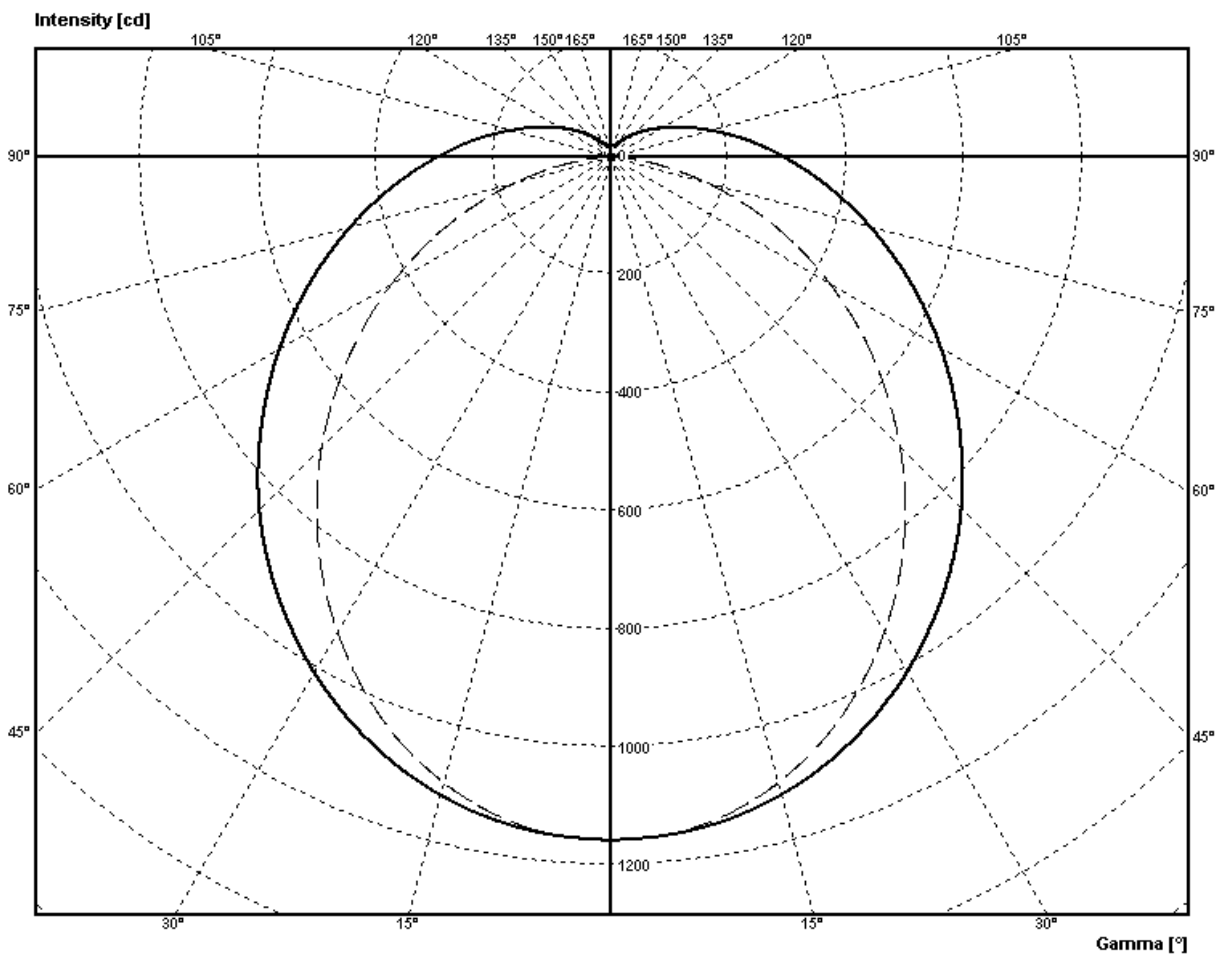
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 70 L1460 TOP K3 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>	17,5	19,0	18,0	19,5	20,0	17,4	18,9	17,9	19,4	19,9
<b>2H</b>	<b>3H</b>	19,3	20,6	19,8	21,1	21,7	18,8	20,1	19,3	20,7	21,2
<b>2H</b>	<b>4H</b>	20,1	21,4	20,7	21,9	22,5	19,3	20,6	19,8	21,1	21,7
<b>2H</b>	<b>6H</b>	21,0	22,2	21,5	22,7	23,3	19,7	20,9	20,2	21,4	22,0
<b>2H</b>	<b>8H</b>	21,3	22,5	21,8	23,0	23,6	19,7	20,9	20,3	21,5	22,1
<b>2H</b>	<b>12H</b>	21,6	22,8	22,2	23,3	24,0	19,8	20,9	20,3	21,5	22,1
<b>4H</b>	<b>2H</b>	18,1	19,4	18,6	19,9	20,5	18,0	19,3	18,6	19,8	20,4
<b>4H</b>	<b>3H</b>	20,1	21,2	20,6	21,8	22,4	19,6	20,7	20,1	21,3	21,9
<b>4H</b>	<b>4H</b>	21,1	22,1	21,7	22,7	23,4	20,3	21,3	20,8	21,8	22,5
<b>4H</b>	<b>6H</b>	22,1	23,0	22,7	23,6	24,3	20,7	21,6	21,3	22,2	22,9
<b>4H</b>	<b>8H</b>	22,6	23,4	23,2	24,0	24,7	20,8	21,7	21,5	22,3	23,0
<b>4H</b>	<b>12H</b>	23,0	23,8	23,7	24,4	25,1	21,0	21,7	21,6	22,3	23,1
<b>8H</b>	<b>4H</b>	21,4	22,3	22,0	22,9	23,6	20,6	21,5	21,2	22,1	22,8
<b>8H</b>	<b>6H</b>	22,6	23,3	23,2	23,9	24,6	21,3	22,0	21,9	22,6	23,3
<b>8H</b>	<b>8H</b>	23,2	23,9	23,9	24,5	25,2	21,6	22,2	22,2	22,9	23,6
<b>8H</b>	<b>12H</b>	23,8	24,4	24,5	25,1	25,8	21,7	22,3	22,4	22,9	23,7
<b>12H</b>	<b>4H</b>	21,5	22,3	22,1	22,9	23,6	20,7	21,5	21,4	22,1	22,8
<b>12H</b>	<b>6H</b>	22,7	23,4	23,4	24,0	24,7	21,5	22,1	22,1	22,8	23,5
<b>12H</b>	<b>8H</b>	23,4	23,9	24,0	24,6	25,3	21,8	22,3	22,4	23,0	23,7

UGR values are corrected for lamp flux of 4750 lm by 5,4

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Luminance [cd/m<sup>2</sup>] TTP 70 L1460 TOP K3 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	5859,80	5841,63	5915,46	6119,18	6578,54	7475,50	9212,66	7475,50	6578,54
50,00	5436,74	5413,28	5459,42	5628,57	6028,42	6923,37	8778,31	6923,37	6028,42
55,00	5039,28	5011,79	5027,30	5153,73	5491,63	6346,36	8327,27	6346,36	5491,63
60,00	4668,46	4622,01	4622,78	4690,88	4961,87	5718,93	7801,77	5718,93	4961,87
65,00	4313,80	4255,34	4230,48	4255,09	4424,99	5056,60	7201,68	5056,60	4424,99
70,00	3980,44	3914,77	3868,32	3839,41	3913,52	4350,97	6428,33	4350,97	3913,52
75,00	3669,82	3600,91	3533,13	3452,53	3422,16	3589,24	5453,90	3589,24	3422,16
80,00	3384,95	3305,61	3230,82	3107,49	2960,26	2811,20	4187,92	2811,20	2960,26
85,00	3128,03	3048,81	2951,86	2799,86	2549,98	2117,23	2609,70	2117,23	2549,98

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	6119,18	5915,46	5841,63	5859,80	5841,63	5915,46	6119,18	6578,54	7475,50
50,00	5628,57	5459,42	5413,28	5436,74	5413,28	5459,42	5628,57	6028,42	6923,37
55,00	5153,73	5027,30	5011,79	5039,28	5011,79	5027,30	5153,73	5491,63	6346,36
60,00	4690,88	4622,78	4622,01	4668,46	4622,01	4622,78	4690,88	4961,87	5718,93
65,00	4255,09	4230,48	4255,34	4313,80	4255,34	4230,48	4255,09	4424,99	5056,60
70,00	3839,41	3868,32	3914,77	3980,44	3914,77	3868,32	3839,41	3913,52	4350,97
75,00	3452,53	3533,13	3600,91	3669,82	3600,91	3533,13	3452,53	3422,16	3589,24
80,00	3107,49	3230,82	3305,61	3384,95	3305,61	3230,82	3107,49	2960,26	2811,20
85,00	2799,86	2951,86	3048,81	3128,03	3048,81	2951,86	2799,86	2549,98	2117,23

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	9212,66	7475,50	6578,54	6119,18	5915,46	5841,63
50,00	8778,31	6923,37	6028,42	5628,57	5459,42	5413,28
55,00	8327,27	6346,36	5491,63	5153,73	5027,30	5011,79
60,00	7801,77	5718,93	4961,87	4690,88	4622,78	4622,01
65,00	7201,68	5056,60	4424,99	4255,09	4230,48	4255,34
70,00	6428,33	4350,97	3913,52	3839,41	3868,32	3914,77
75,00	5453,90	3589,24	3422,16	3452,53	3533,13	3600,91
80,00	4187,92	2811,20	2960,26	3107,49	3230,82	3305,61
85,00	2609,70	2117,23	2549,98	2799,86	2951,86	3048,81

## HEADQUARTERS

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