

## PHOTOMETRIC RESULTS

<b>Name:</b>	TTP 70 L1460 TUP K3 830 LO		
<b>Number:</b>	90477L150	<b>Diameter:</b>	0 mm
<b>Report:</b>	08-01-2020	<b>Length:</b>	1460 mm
<b>Meas.-no.:</b>	01	<b>Width:</b>	70 mm
<b>Lamp type:</b>	LED 830 - 01	<b>Height:</b>	70 mm
<b>Number:</b>	1	<b>Power:</b>	28,24 W
<b>Lamp flux:</b>	4300,00 lm	<b>Operator:</b>	INDEL AGUE GROUP
<b>Date:</b>	08-01-2020 8:27:30	<b>Output ratio:</b>	95,2 %

## Protocol

**LiTG-class:** A42  
**UTE-class:** 0,93 E + 0,02 T  
**IES-class:** 47 - 79 - 96 - 98 - 95  
**TM5-class:** BZ4

## Divergences in the plane through maximum intensity:

	Horizontal	Vertical
One half peak divergence	111,1°	116,6°
Half peak side angle (left)	-55,6°	-58,3°
Half peak side angle (right)	55,6°	58,3°
One tenth peak divergence	154,2°	162,8°
Tenth peak side angle (left)	-77,1°	-81,4°
Tenth peak side angle (right)	77,1°	81,4°

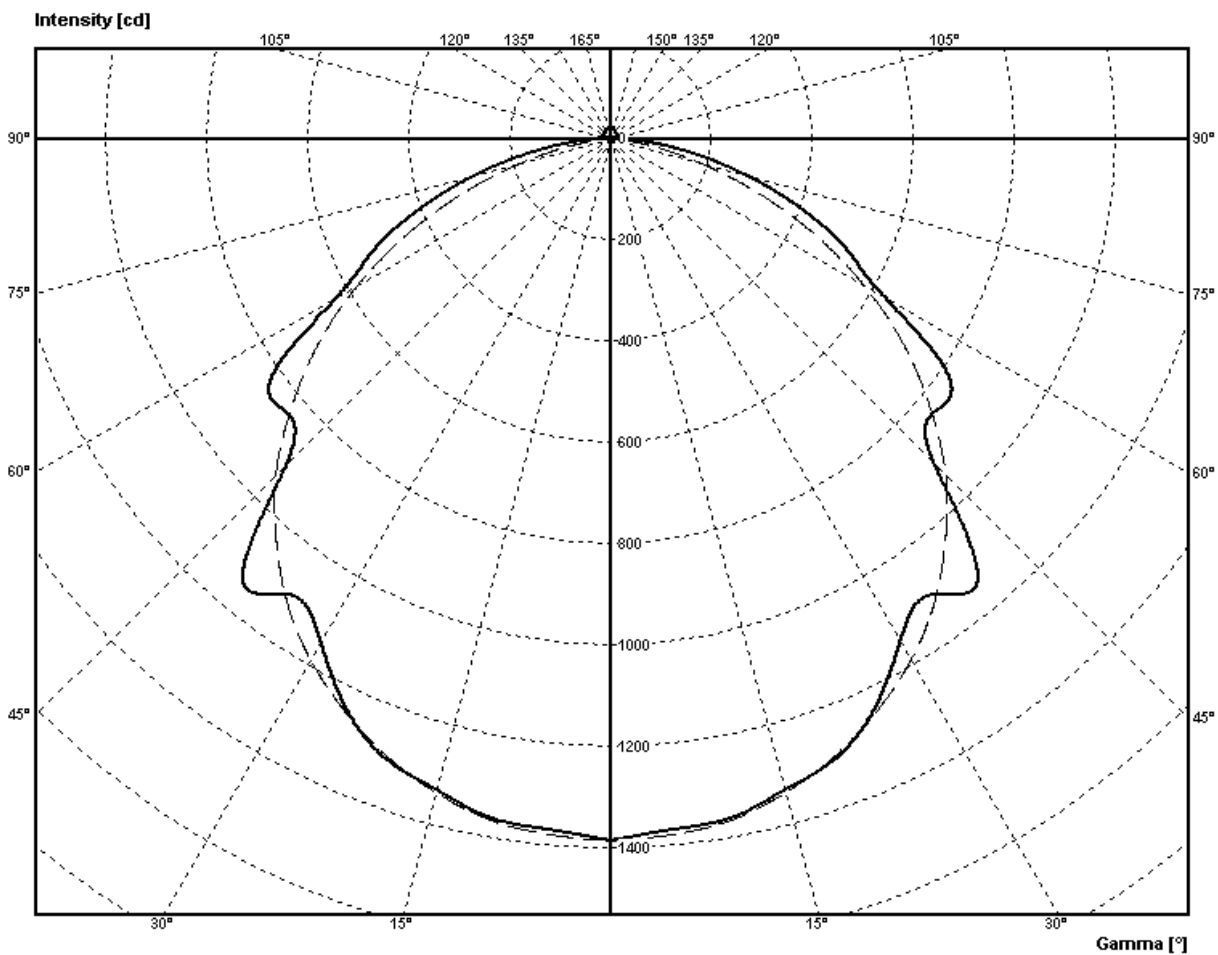
<b>C-planes:</b>	0,0°	15,0°	30,0°	45,0°	60,0°	75,0°	90,0°	105,0°	120,0°	135,0°
	150,0°	165,0°	180,0°	195,0°	210,0°	225,0°	240,0°	255,0°	270,0°	285,0°
	300,0°	315,0°	330,0°	345,0°						

<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 TUP K3 830 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>	18,4	19,9	18,7	20,3	20,7	19,5	21,1	19,9	21,4	21,8
<b>2H</b>	<b>3H</b>	19,5	20,9	19,9	21,3	21,7	20,7	22,2	21,1	22,5	22,9
<b>2H</b>	<b>4H</b>	19,9	21,2	20,3	21,6	22,0	21,2	22,6	21,6	23,0	23,4
<b>2H</b>	<b>6H</b>	20,1	21,3	20,5	21,8	22,2	21,4	22,7	21,9	23,1	23,5
<b>2H</b>	<b>8H</b>	20,1	21,3	20,5	21,7	22,2	21,4	22,6	21,9	23,1	23,5
<b>2H</b>	<b>12H</b>	20,1	21,2	20,5	21,7	22,1	21,4	22,6	21,9	23,0	23,5
<b>4H</b>	<b>2H</b>	19,0	20,4	19,4	20,8	21,2	19,9	21,3	20,3	21,7	22,1
<b>4H</b>	<b>3H</b>	20,3	21,4	20,7	21,9	22,3	21,3	22,4	21,7	22,9	23,3
<b>4H</b>	<b>4H</b>	20,8	21,8	21,3	22,3	22,8	21,9	22,9	22,4	23,4	23,9
<b>4H</b>	<b>6H</b>	21,0	21,9	21,5	22,4	22,9	22,2	23,1	22,7	23,6	24,1
<b>4H</b>	<b>8H</b>	21,1	21,9	21,6	22,4	22,9	22,2	23,1	22,7	23,6	24,1
<b>4H</b>	<b>12H</b>	21,1	21,9	21,6	22,4	22,9	22,3	23,0	22,8	23,5	24,1
<b>8H</b>	<b>4H</b>	21,0	21,8	21,5	22,3	22,8	22,0	22,9	22,5	23,3	23,9
<b>8H</b>	<b>6H</b>	21,3	22,0	21,8	22,5	23,1	22,3	23,1	22,9	23,6	24,1
<b>8H</b>	<b>8H</b>	21,4	22,1	22,0	22,6	23,1	22,5	23,1	23,0	23,6	24,2
<b>8H</b>	<b>12H</b>	21,5	22,0	22,0	22,5	23,1	22,5	23,0	23,1	23,6	24,1
<b>12H</b>	<b>4H</b>	21,0	21,8	21,5	22,2	22,8	22,0	22,8	22,5	23,3	23,8
<b>12H</b>	<b>6H</b>	21,4	22,0	21,9	22,5	23,1	22,4	23,0	22,9	23,6	24,1
<b>12H</b>	<b>8H</b>	21,5	22,0	22,0	22,5	23,1	22,5	23,0	23,0	23,6	24,1

UGR values are corrected for lamp flux of 4300 lm by 5,1

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Luminance [cd/m<sup>2</sup>] TTP 70 L1460 TUP K3 830 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	6296,04	6860,07	7236,32	7325,21	8412,22	9922,31	12426,5	9922,31	8412,22
50,00	5843,92	5998,52	6171,52	7346,05	7600,55	9321,94	11924,7	9321,94	7600,55
55,00	5770,39	5660,02	5797,95	6002,63	6911,29	8491,91	11335,6	8491,91	6911,29
60,00	4511,60	4594,36	5054,20	5595,78	6114,18	7500,86	10480,7	7500,86	6114,18
65,00	3814,06	3921,01	4039,64	4658,59	5043,22	6235,87	9339,99	6235,87	5043,22
70,00	3071,65	3153,11	3316,00	3575,35	4252,57	5147,78	7777,40	5147,78	4252,57
75,00	2235,23	2255,36	2404,11	2705,90	2972,77	4801,77	5789,32	4801,77	2972,77
80,00	1395,07	1384,05	1494,49	1700,58	2003,47	2339,50	3597,91	2339,50	2003,47
85,00	653,63	534,19	626,47	721,46	949,66	1149,03	1760,57	1149,03	949,66

G/C [cd/	135,00	150,00	165,00	180,00	195,00	210,00	225,00	240,00	255,00
45,00	7325,21	7236,32	6860,07	6296,04	6860,07	7236,32	7325,21	8412,22	9922,31
50,00	7346,05	6171,52	5998,52	5843,92	5998,52	6171,52	7346,05	7600,55	9321,94
55,00	6002,63	5797,95	5660,02	5770,39	5660,02	5797,95	6002,63	6911,29	8491,91
60,00	5595,78	5054,20	4594,36	4511,60	4594,36	5054,20	5595,78	6114,18	7500,86
65,00	4658,59	4039,64	3921,01	3814,06	3921,01	4039,64	4658,59	5043,22	6235,87
70,00	3575,35	3316,00	3153,11	3071,65	3153,11	3316,00	3575,35	4252,57	5147,78
75,00	2705,90	2404,11	2255,36	2235,23	2255,36	2404,11	2705,90	2972,77	4801,77
80,00	1700,58	1494,49	1384,05	1395,07	1384,05	1494,49	1700,58	2003,47	2339,50
85,00	721,46	626,47	534,19	653,63	534,19	626,47	721,46	949,66	1149,03

G/C [cd/	270,00	285,00	300,00	315,00	330,00	345,00
45,00	12426,5	9922,31	8412,22	7325,21	7236,32	6860,07
50,00	11924,7	9321,94	7600,55	7346,05	6171,52	5998,52
55,00	11335,6	8491,91	6911,29	6002,63	5797,95	5660,02
60,00	10480,7	7500,86	6114,18	5595,78	5054,20	4594,36
65,00	9339,99	6235,87	5043,22	4658,59	4039,64	3921,01
70,00	7777,40	5147,78	4252,57	3575,35	3316,00	3153,11
75,00	5789,32	4801,77	2972,77	2705,90	2404,11	2255,36
80,00	3597,91	2339,50	2003,47	1700,58	1494,49	1384,05
85,00	1760,57	1149,03	949,66	721,46	626,47	534,19

## HEADQUARTERS

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