

Luminaire

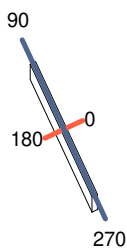
Code 90472L120
Name TTP 50 L1180 TOP 840 LO

Measurem.

Code 4/7/2023
Name TTP 50 L1180 TOP 840 LO

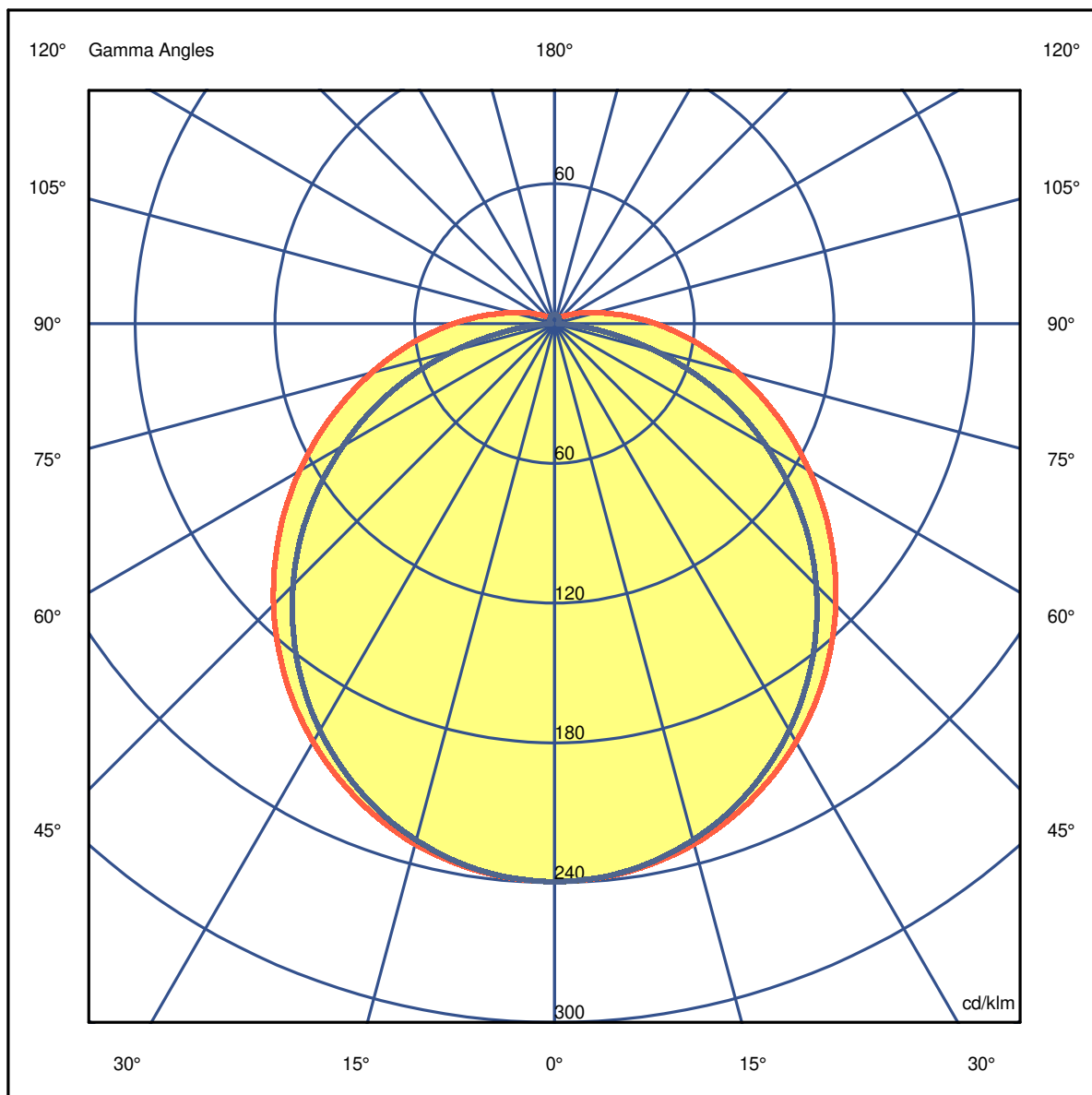
Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

1180mm x 50mm



C Halfplanes

180.0 ————— 0.0
270.0 ————— 90.0



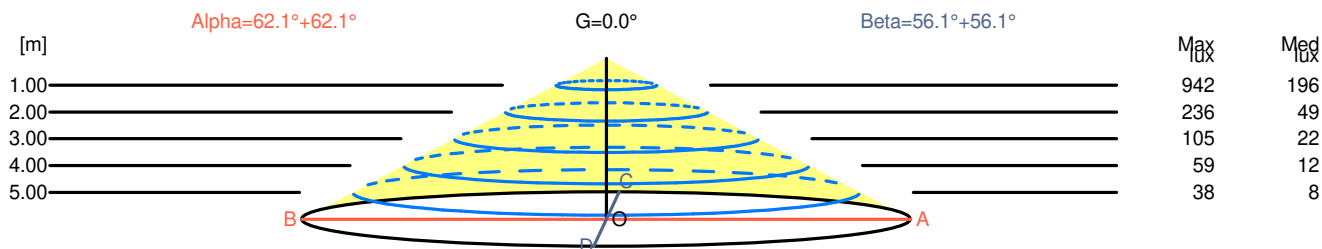
LuminaireCode 90472L120
Name TTP 50 L1180 TOP 840 LO**Measurem.**Code 4/7/2023
Name TTP 50 L1180 TOP 840 LO

Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.89	3.78	5.67	7.57	9.46	OC	1.49	2.98	4.47	5.96	7.44
OB	1.89	3.78	5.67	7.57	9.46	OD	1.49	2.98	4.47	5.96	7.44

	0	5	15	25	35	45	55	65	75	85
OA	942.11	938.18	909.47	852.46	772.24	671.19	557.16	436.45	319.67	215.47
OB	942.11	938.18	909.47	852.46	772.24	671.19	557.16	436.45	319.67	215.47
OC	942.11	937.39	902.39	835.94	741.97	624.40	487.57	335.79	174.19	35.39
OD	942.11	937.39	902.39	835.94	741.97	624.40	487.57	335.79	174.19	35.39



H[m]	D[m]	Max lux	Med lux	Alpha=62.1°+62.1°	G=0.0	
1.00	3.78	942	196			
2.00	7.57	236	49			
3.00	11.35	105	22			
4.00	15.13	59	12			
5.00	18.92	38	8			

H[m]	D[m]	Max lux	Med lux	Beta=56.1°+56.1°	G=0.0	
1.00	2.98	942	196			
2.00	5.96	236	49			
3.00	8.93	105	22			
4.00	11.91	59	12			
5.00	14.89	38	8			

LuminaireCode 90472L120
Name TTP 50 L1180 TOP 840 LO**Measurem.**Code 4/7/2023
Name TTP 50 L1180 TOP 840 LO

Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	19.1	20.5	19.5	20.8	21.2	20.0	21.3	20.4	21.6	22.0
x=2H y=3H	20.7	21.9	21.1	22.3	22.7	21.5	22.7	21.9	23.1	23.5
x=2H y=4H	21.4	22.5	21.8	22.9	23.3	22.0	23.2	22.5	23.6	24.0
x=2H y=6H	22.1	23.1	22.5	23.5	24.0	22.4	23.5	22.9	23.9	24.3
x=2H y=8H	22.3	23.3	22.8	23.8	24.2	22.5	23.5	22.9	23.9	24.4
x=2H y=12H	22.6	23.6	23.1	24.0	24.4	22.5	23.5	23.0	23.9	24.4
x=4H y=2H	19.8	20.9	20.2	21.3	21.7	20.4	21.6	20.9	22.0	22.4
x=4H y=3H	21.5	22.5	22.0	22.9	23.4	22.1	23.1	22.5	23.5	23.9
x=4H y=4H	22.4	23.3	22.9	23.7	24.2	22.7	23.6	23.2	24.1	24.6
x=4H y=6H	23.2	23.9	23.7	24.4	25.0	23.2	24.0	23.7	24.4	25.0
x=4H y=8H	23.5	24.2	24.0	24.7	25.3	23.3	24.0	23.8	24.5	25.1
x=4H y=12H	23.9	24.5	24.4	25.0	25.6	23.4	24.0	23.9	24.5	25.1
x=8H y=4H	22.7	23.4	23.2	23.9	24.4	23.0	23.7	23.5	24.2	24.7
x=8H y=6H	23.6	24.2	24.2	24.7	25.3	23.6	24.1	24.1	24.7	25.3
x=8H y=8H	24.1	24.6	24.7	25.2	25.8	23.8	24.3	24.3	24.8	25.4
x=8H y=12H	24.6	25.0	25.2	25.6	26.2	23.9	24.3	24.5	24.9	25.5
x=12H y=4H	22.7	23.3	23.2	23.8	24.4	23.0	23.6	23.5	24.1	24.7
x=12H y=6H	23.7	24.2	24.2	24.8	25.4	23.6	24.2	24.2	24.7	25.3
x=12H y=8H	24.2	24.7	24.8	25.2	25.9	23.9	24.3	24.5	24.9	25.5

Luminaire

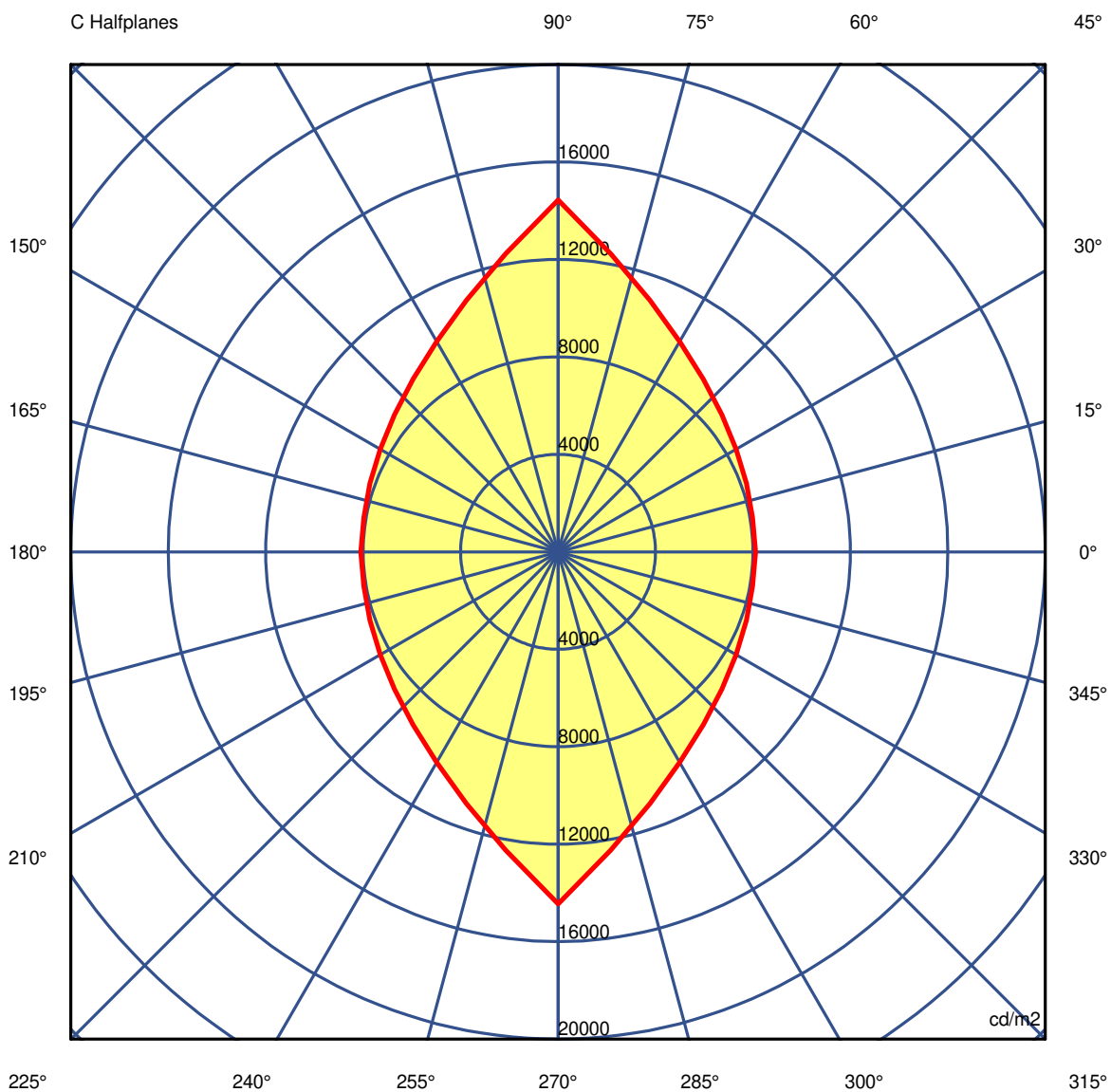
Code 90472L120
Name TTP 50 L1180 TOP 840 LO

Measurem.

Code 4/7/2023
Name TTP 50 L1180 TOP 840 LO

Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance



45.0°

Luminaire

Code 90472L120
Name TTP 50 L1180 TOP 840 LO

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Code 4/7/2023
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Luminaire Flux	3161 lm		Luminaire Power		21.4 W		Efficacy		147.628 lm/W		Efficiency		80.38%	
Source Flux	3932 lm		Maximum value		239.60 cd/klm		Position		C=0.00 G=0.00		CG		Double Symmetrical	
Luminance cd/m2														
Table 1/3														
	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00	
G 0.0	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	
G 5.0	14778	14787	14833	14913	15020	15157	15331	15541	15767	15998	15767	15541	15331	
G 10.0	13658	13678	13758	13892	14078	14326	14639	15009	15429	15892	15429	15009	14639	
G 15.0	12672	12689	12789	12964	13207	13535	13962	14483	15086	15762	15086	14483	13962	
G 20.0	11774	11795	11906	12101	12391	12791	13308	13944	14712	15617	14712	13944	13308	
G 25.0	10946	10969	11089	11306	11629	12072	12653	13396	14318	15433	14318	13396	12653	
G 30.0	10183	10200	10325	10554	10891	11363	12000	12837	13906	15244	13906	12837	12000	
G 35.0	9462	9472	9593	9821	10164	10657	11341	12254	13454	15009	13454	12254	11341	
G 40.0	8763	8777	8893	9113	9457	9961	10670	11647	12971	14748	12971	11647	10670	
G 45.0	8099	8107	8218	8432	8767	9260	9971	10991	12431	14452	12431	10991	9971	
G 50.0	7449	7456	7554	7742	8053	8534	9249	10294	11834	14116	11834	10294	9249	
G 55.0	6827	6823	6910	7079	7355	7796	8482	9527	11142	13673	11142	9527	8482	
G 60.0	6209	6200	6266	6401	6636	7026	7655	8670	10330	13109	10330	8670	7655	
G 65.0	5605	5589	5635	5732	5912	6221	6752	7691	9362	12422	9362	7691	6752	
G 70.0	5020	5000	5026	5079	5192	5411	5818	6581	8135	11414	8135	6581	5818	
G 75.0	4454	4427	4434	4443	4479	4585	4824	5341	6626	9907	6626	5341	4824	
G 80.0	3910	3881	3863	3824	3792	3775	3802	3987	4806	7685	4806	3987	3802	
G 85.0	3394	3361	3320	3234	3129	3008	2858	2695	2866	4658	2866	2695	2858	
G 90.0	2912	2872	2812	2692	2534	2328	2037	1628	1322	2045	1322	1628	2037	

LuminaireCode 90472L120
Name TTP 50 L1180 TOP 840 LO**Measurement**Code 4/7/2023
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Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077
G 5.0	15157	15020	14913	14833	14787	14778	14787	14833	14913	15020	15157	15331	15541
G 10.0	14326	14078	13892	13758	13678	13658	13678	13758	13892	14078	14326	14639	15009
G 15.0	13535	13207	12964	12789	12689	12672	12689	12789	12964	13207	13535	13962	14483
G 20.0	12791	12391	12101	11906	11795	11774	11795	11906	12101	12391	12791	13308	13944
G 25.0	12072	11629	11306	11089	10969	10946	10969	11089	11306	11629	12072	12653	13396
G 30.0	11363	10891	10554	10325	10200	10183	10200	10325	10554	10891	11363	12000	12837
G 35.0	10657	10164	9821	9593	9472	9462	9472	9593	9821	10164	10657	11341	12254
G 40.0	9961	9457	9113	8893	8777	8763	8777	8893	9113	9457	9961	10670	11647
G 45.0	9260	8767	8432	8218	8107	8099	8107	8218	8432	8767	9260	9971	10991
G 50.0	8534	8053	7742	7554	7456	7449	7456	7554	7742	8053	8534	9249	10294
G 55.0	7796	7355	7079	6910	6823	6827	6823	6910	7079	7355	7796	8482	9527
G 60.0	7026	6636	6401	6266	6200	6209	6200	6266	6401	6636	7026	7655	8670
G 65.0	6221	5912	5732	5635	5589	5605	5589	5635	5732	5912	6221	6752	7691
G 70.0	5411	5192	5079	5026	5000	5020	5000	5026	5079	5192	5411	5818	6581
G 75.0	4585	4479	4443	4434	4427	4454	4427	4434	4443	4479	4585	4824	5341
G 80.0	3775	3792	3824	3863	3881	3910	3881	3863	3824	3792	3775	3802	3987
G 85.0	3008	3129	3234	3320	3361	3394	3361	3320	3234	3129	3008	2858	2695
G 90.0	2328	2534	2692	2812	2872	2912	2872	2692	2534	2328	2037	1628	

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Luminaire Flux	3161 lm	Luminaire Power	21.4 W	Efficacy	147.628 lm/W	Efficiency	80.38%
Source Flux	3932 lm	Maximum value	239.60 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

Luminance cd/m2 Table 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	16077	16077	16077	16077	16077	16077	16077	16077	16077	16077
G 5.0	15767	15998	15767	15541	15331	15157	15020	14913	14833	14787
G 10.0	15429	15892	15429	15009	14639	14326	14078	13892	13758	13678
G 15.0	15086	15762	15086	14483	13962	13535	13207	12964	12789	12689
G 20.0	14712	15617	14712	13944	13308	12791	12391	12101	11906	11795
G 25.0	14318	15433	14318	13396	12653	12072	11629	11306	11089	10969
G 30.0	13906	15244	13906	12837	12000	11363	10891	10554	10325	10200
G 35.0	13454	15009	13454	12254	11341	10657	10164	9821	9593	9472
G 40.0	12971	14748	12971	11647	10670	9961	9457	9113	8893	8777
G 45.0	12431	14452	12431	10991	9971	9260	8767	8432	8218	8107
G 50.0	11834	14116	11834	10294	9249	8534	8053	7742	7554	7456
G 55.0	11142	13673	11142	9527	8482	7796	7355	7079	6910	6823
G 60.0	10330	13109	10330	8670	7655	7026	6636	6401	6266	6200
G 65.0	9362	12422	9362	7691	6752	6221	5912	5732	5635	5589
G 70.0	8135	11414	8135	6581	5818	5411	5192	5079	5026	5000
G 75.0	6626	9907	6626	5341	4824	4585	4479	4443	4434	4427
G 80.0	4806	7685	4806	3987	3802	3775	3792	3824	3863	3881
G 85.0	2866	4658	2866	2695	2858	3008	3129	3234	3320	3361
G 90.0	1322	2045	1322	1628	2037	2328	2534	2692	2812	2872