

**Luminaire**

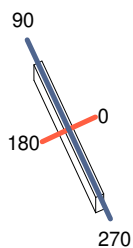
Code 90475L120  
Name TTP 70 L1180 TUP 840 HO

**Measurem.**

Code 3/7/2023  
Name TTP 70 L1180 TUP 840 HO

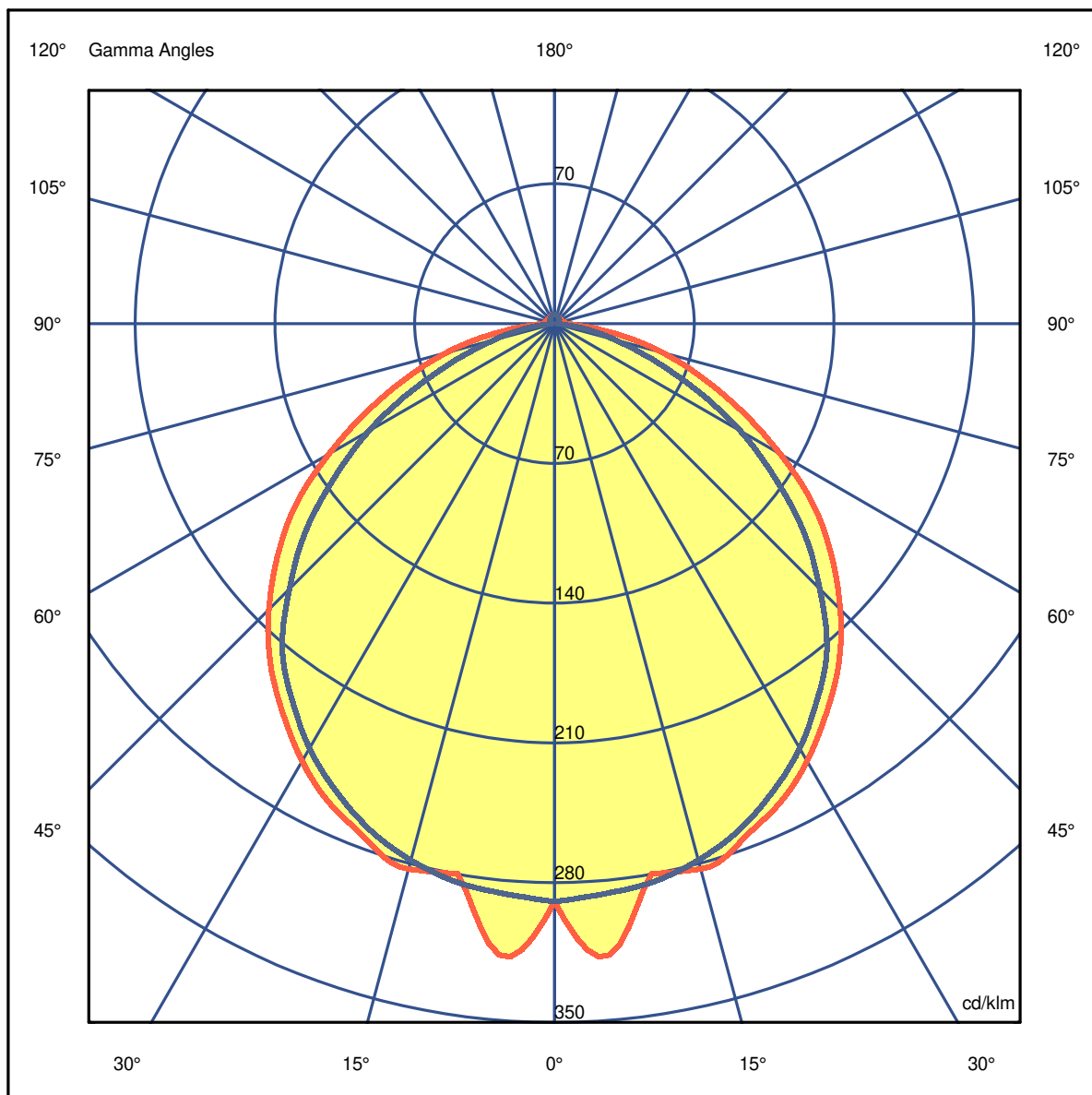
Luminaire Flux	7392 lm	Luminaire Power	50.6 W	Efficacy	145.977 lm/W	Efficiency	85.40%
Source Flux	8656 lm	Maximum value	317.40 cd/klm	Position	C=0.00 G=5.00	CG	Double Symmetrical

1180mm x 70mm



C Halfplanes

180.0 — 0.0  
270.0 — 90.0



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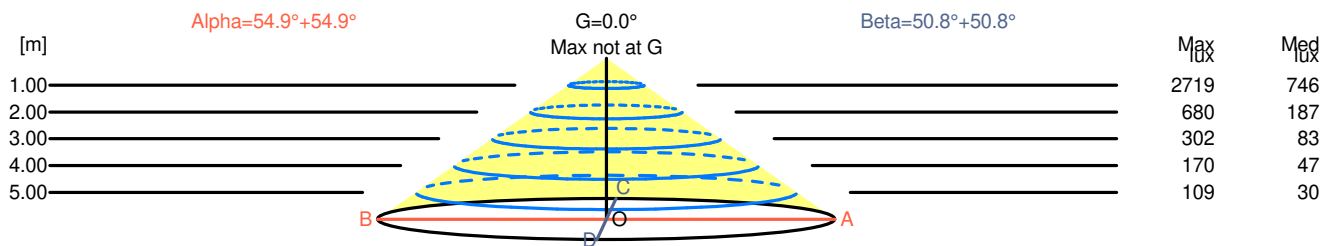
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Luminaire Flux	7392 lm	Luminaire Power	50.6 W	Efficacy	145.977 lm/W	Efficiency	85.40%
Source Flux	8656 lm	Maximum value	317.40 cd/klm	Position	C=0.00 G=5.00	CG	Double Symmetrical

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	1.42	2.84	4.26	5.68	7.10	OC	1.23	2.45	3.68	4.91	6.14
OB	1.42	2.84	4.26	5.68	7.10	OD	1.23	2.45	3.68	4.91	6.14

	0	5	15	25	35	45	55	65	75	85
OA	2505.05	2747.41	2447.05	2299.03	2056.67	1751.97	1369.38	894.16	485.60	127.24
OB	2505.05	2747.41	2447.05	2299.03	2056.67	1751.97	1369.38	894.16	485.60	127.24
OC	2505.05	2480.81	2408.10	2238.44	1986.55	1625.60	1166.83	675.17	270.07	31.16
OD	2505.05	2480.81	2408.10	2238.44	1986.55	1625.60	1166.83	675.17	270.07	31.16



H[m]	D[m]	Max lux	Med lux	Alpha=54.9°+54.9°	G=0.0 Max not at G
1.00	2.84	2719	746		
2.00	5.68	680	187		
3.00	8.53	302	83		
4.00	11.37	170	47		
5.00	14.21	109	30		

H[m]	D[m]	Max lux	Med lux	Beta=50.8°+50.8°	G=0.0 Max not at G
1.00	2.45	2719	746		
2.00	4.91	680	187		
3.00	7.36	302	83		
4.00	9.82	170	47		
5.00	12.27	109	30		

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Luminaire Flux	7392 lm	Luminaire Power	50.6 W	Efficacy	145.977 lm/W	Efficiency	85.40%
Source Flux	8656 lm	Maximum value	317.40 cd/klm	Position	C=0.00 G=5.00	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	21.3	22.6	21.6	22.8	23.1	22.4	23.7	22.7	24.0	24.2
x=2H y=3H	22.3	23.4	22.6	23.7	24.1	23.4	24.6	23.8	24.9	25.2
x=2H y=4H	22.6	23.7	23.0	24.0	24.4	23.7	24.8	24.1	25.1	25.5
x=2H y=6H	22.8	23.8	23.2	24.1	24.5	23.8	24.8	24.2	25.2	25.6
x=2H y=8H	22.8	23.8	23.2	24.2	24.6	23.9	24.8	24.3	25.2	25.6
x=2H y=12H	22.8	23.8	23.2	24.1	24.5	23.8	24.7	24.2	25.1	25.5
x=4H y=2H	21.9	22.9	22.2	23.3	23.6	22.8	23.8	23.1	24.2	24.5
x=4H y=3H	23.0	23.9	23.4	24.3	24.7	23.9	24.9	24.4	25.2	25.6
x=4H y=4H	23.4	24.3	23.9	24.7	25.1	24.3	25.1	24.8	25.5	26.0
x=4H y=6H	23.7	24.4	24.2	24.8	25.3	24.5	25.3	25.0	25.7	26.1
x=4H y=8H	23.8	24.4	24.3	24.9	25.4	24.6	25.2	25.1	25.7	26.2
x=4H y=12H	23.8	24.4	24.3	24.8	25.3	24.6	25.2	25.1	25.6	26.1
x=8H y=4H	23.6	24.3	24.1	24.7	25.2	24.4	25.1	24.9	25.5	26.0
x=8H y=6H	24.0	24.5	24.5	25.0	25.5	24.7	25.3	25.2	25.7	26.2
x=8H y=8H	24.1	24.5	24.6	25.0	25.6	24.8	25.3	25.3	25.8	26.3
x=8H y=12H	24.1	24.5	24.6	25.0	25.6	24.8	25.2	25.3	25.7	26.3
x=12H y=4H	23.6	24.2	24.1	24.7	25.2	24.4	25.0	24.9	25.5	26.0
x=12H y=6H	24.0	24.5	24.5	25.0	25.5	24.7	25.2	25.2	25.7	26.2
x=12H y=8H	24.1	24.5	24.6	25.0	25.6	24.8	25.2	25.3	25.7	26.3

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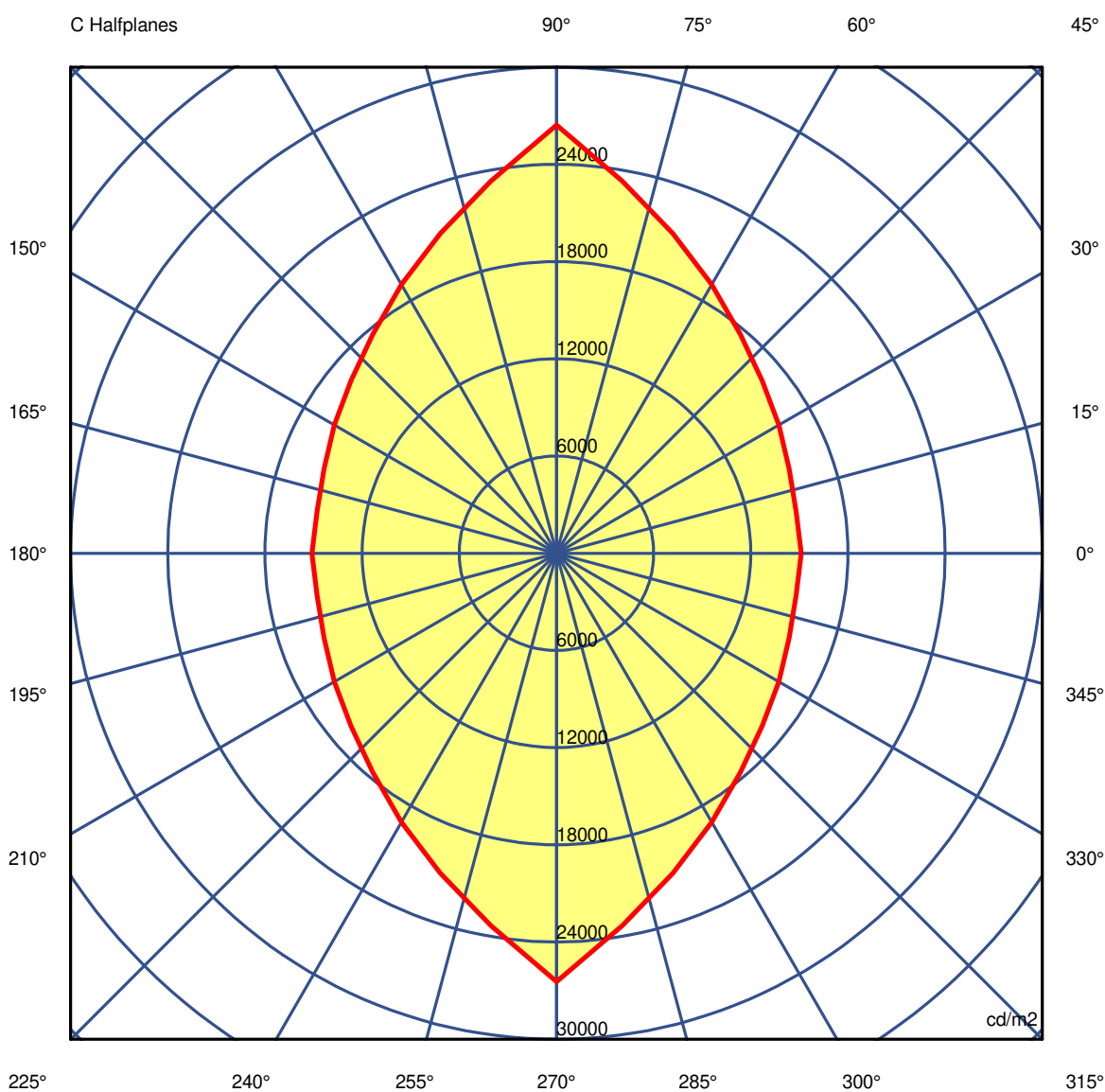
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Name TTP 70 L1180 TUP 840 HO

**Measurem.**

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Name TTP 70 L1180 TUP 840 HO

Luminaire Flux	7392 lm	Luminaire Power	50.6 W	Efficacy	145.977 lm/W	Efficiency	85.40%
Source Flux	8656 lm	Maximum value	317.40 cd/klm	Position	C=0.00 G=5.00	CG	Double Symmetrical

Luminance



45.0°

**Luminaire**Code 90475L120  
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Luminaire Flux		7392 lm		Luminaire Power		50.6 W		Efficacy		145.977 lm/W		Efficiency		85.40%	
Source Flux		8656 lm		Maximum value		317.40 cd/klm		Position		C=0.00 G=5.00		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	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534
G 5.0	30912	30615	30676	31036	31326	31317	30957	30418	30133	30197	30133	30418	30957	30912	30534
G 10.0	25484	25293	25371	25786	26625	28354	30297	30926	30657	30099	30657	30926	30297	25484	30534
G 15.0	24354	24171	24221	24400	24531	24925	26503	29773	31295	29910	31295	29773	26503	24354	30534
G 20.0	22646	22519	22615	22946	23566	24148	24676	28130	30393	29671	30393	28130	24676	22646	30534
G 25.0	21087	21044	21245	21678	22282	23021	24102	26126	28017	29290	28017	26126	24102	21087	30534
G 30.0	19534	19397	19554	20059	20917	21992	23091	24170	25988	28924	25988	24170	23091	19534	30534
G 35.0	18000	17823	18101	18759	19510	20527	21732	22870	24895	28374	24895	22870	21732	18000	30534
G 40.0	16596	16504	16727	17258	18066	19245	20722	22173	24468	27845	24468	22173	20722	16596	30534
G 45.0	15100	15009	15275	15851	16582	17656	19165	21013	23340	26443	23340	21013	19165	15100	30534
G 50.0	13570	13491	13707	14250	15106	16246	17647	19351	21667	25039	21667	19351	17647	13570	30534
G 55.0	11985	11921	12120	12581	13323	14306	15566	17535	19937	22848	19937	17535	15566	11985	30534
G 60.0	10087	10028	10293	10800	11351	12271	13725	15518	17646	20539	17646	15518	13725	10087	30534
G 65.0	8201	8176	8417	8880	9421	10177	11275	12738	14584	17262	14584	12738	11275	8201	30534
G 70.0	6437	6408	6611	6987	7378	7916	8755	9956	11469	13701	11469	9956	8755	6437	30534
G 75.0	4833	4799	4884	5078	5358	5760	6317	7059	8183	10401	8183	7059	6317	4833	30534
G 80.0	3078	3052	3116	3277	3528	3808	4076	4377	5061	7126	5061	4377	4076	3078	30534
G 85.0	1432	1415	1454	1540	1661	1879	2237	2458	2554	2590	2554	2458	2237	1432	30534
G 90.0	707	710	739	801	904	1048	1205	1317	1437	2120	1437	1317	1205	707	30534

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Luminaire Flux		7392 lm		Luminaire Power		50.6 W		Efficacy		145.977 lm/W		Efficiency		85.40%											
Source Flux		8656 lm		Maximum value		317.40 cd/klm		Position		C=0.00 G=5.00		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	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534
G 5.0	31317	31326	31036	30676	30615	30912	30615	30676	31036	31326	31317	30957	30418												
G 10.0	28354	26625	25786	25371	25293	25484	25293	25371	25786	26625	28354	30297	30926												
G 15.0	24925	24531	24400	24221	24171	24354	24171	24221	24400	24531	24925	26503	29773												
G 20.0	24148	23566	22946	22615	22519	22646	22519	22615	22946	23566	24148	24676	28130												
G 25.0	23021	22282	21678	21245	21044	21087	21044	21245	21678	22282	23021	24102	26126												
G 30.0	21992	20917	20059	19554	19397	19534	19397	19554	20059	20917	21992	23091	24170												
G 35.0	20527	19510	18759	18101	17823	18000	17823	18101	18759	19510	20527	21732	22870												
G 40.0	19245	18066	17258	16727	16504	16596	16504	16727	17258	18066	19245	20722	22173												
G 45.0	17656	16582	15851	15275	15009	15100	15009	15275	15851	16582	17656	19165	21013												
G 50.0	16246	15106	14250	13707	13491	13570	13491	13707	14250	15106	16246	17647	19351												
G 55.0	14306	13323	12581	12120	11921	11985	11921	12120	12581	13323	14306	15566	17535												
G 60.0	12271	11351	10800	10293	10028	10087	10028	10293	10800	11351	12271	13725	15518												
G 65.0	10177	9421	8880	8417	8176	8201	8176	8417	8880	9421	10177	11275	12738												
G 70.0	7916	7378	6987	6611	6408	6437	6408	6611	6987	7378	7916	8755	9956												
G 75.0	5760	5358	5078	4884	4799	4833	4799	4884	5078	5358	5760	6317	7059												
G 80.0	3808	3528	3277	3116	3052	3078	3052	3116	3277	3528	3808	4076	4377												
G 85.0	1879	1661	1540	1454	1415	1432	1415	1454	1540	1661	1879	2237	2458												
G 90.0	1048	904	801	739	710	707	710	739	801	904	1048	1205	1317												

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**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	30534	30534	30534	30534	30534	30534	30534	30534	30534	30534
G 5.0	30133	30197	30133	30418	30957	31317	31326	31036	30676	30615
G 10.0	30657	30099	30657	30926	30297	28354	26625	25786	25371	25293
G 15.0	31295	29910	31295	29773	26503	24925	24531	24400	24221	24171
G 20.0	30393	29671	30393	28130	24676	24148	23566	22946	22615	22519
G 25.0	28017	29290	28017	26126	24102	23021	22282	21678	21245	21044
G 30.0	25988	28924	25988	24170	23091	21992	20917	20059	19554	19397
G 35.0	24895	28374	24895	22870	21732	20527	19510	18759	18101	17823
G 40.0	24468	27845	24468	22173	20722	19245	18066	17258	16727	16504
G 45.0	23340	26443	23340	21013	19165	17656	16582	15851	15275	15009
G 50.0	21667	25039	21667	19351	17647	16246	15106	14250	13707	13491
G 55.0	19937	22848	19937	17535	15566	14306	13323	12581	12120	11921
G 60.0	17646	20539	17646	15518	13725	12271	11351	10800	10293	10028
G 65.0	14584	17262	14584	12738	11275	10177	9421	8880	8417	8176
G 70.0	11469	13701	11469	9956	8755	7916	7378	6987	6611	6408
G 75.0	8183	10401	8183	7059	6317	5760	5358	5078	4884	4799
G 80.0	5061	7126	5061	4377	4076	3808	3528	3277	3116	3052
G 85.0	2554	2590	2554	2458	2237	1879	1661	1540	1454	1415
G 90.0	1437	2120	1437	1317	1205	1048	904	801	739	710