

**Luminaire**

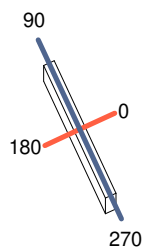
Code 90489L090-50  
Name TTP 70 LINE L0900 TUP 840 END LO

**Measurem.**

Code 3/7/2023  
Name TTP 70 LINE L0900 TUP 840 END LO

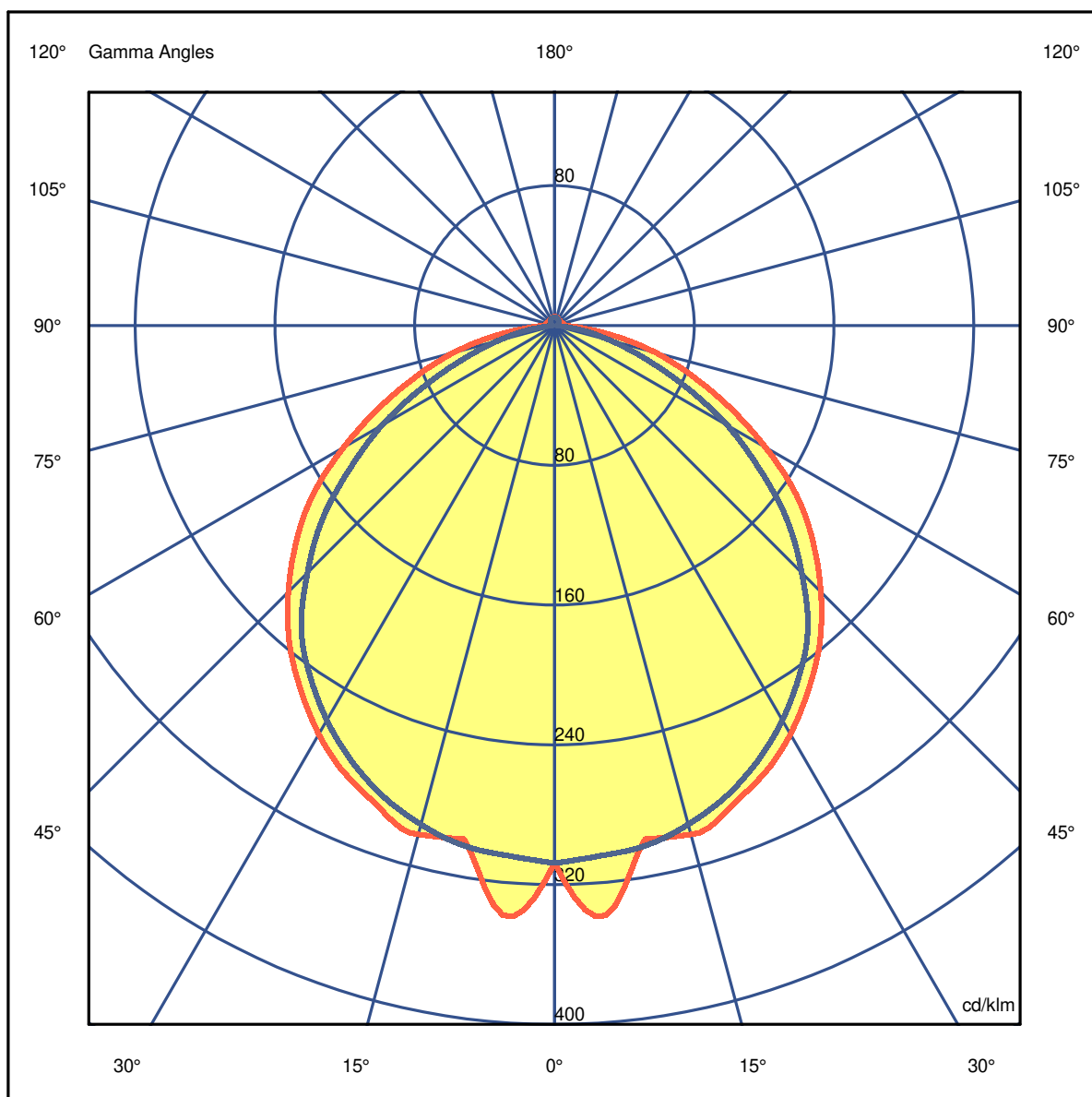
Luminaire Flux	2677 lm	Luminaire Power	16.5 W	Efficacy	162.265 lm/W	Efficiency	90.79%
Source Flux	2949 lm	Maximum value	338.80 cd/klm	Position	C=0.00 G=5.00	CG	Double Symmetrical

900mm x 70mm



C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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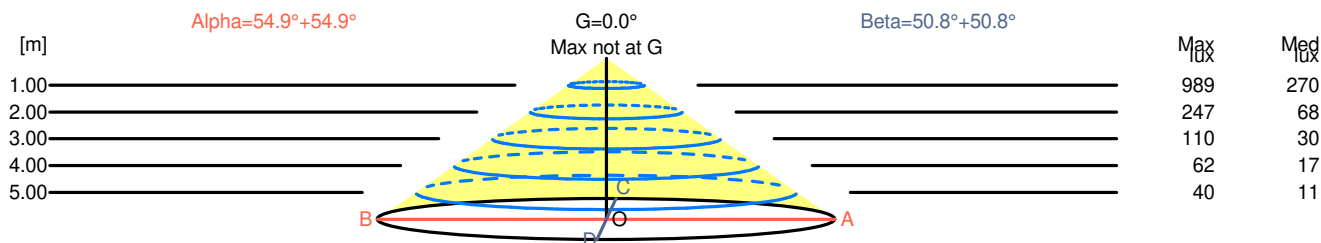
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Luminaire Flux	2677 lm	Luminaire Power	16.5 W	Efficacy	162.265 lm/W	Efficiency	90.79%
Source Flux	2949 lm	Maximum value	338.80 cd/klm	Position	C=0.00 G=5.00	CG	Double Symmetrical

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	4.27	5.69	7.11	OC	1.23	2.45	3.68	4.90	6.13
OB	1.42	2.84	4.27	5.69	7.11	OD	1.23	2.45	3.68	4.90	6.13

	0	5	15	25	35	45	55	65	75	85
OA	907.11	999.12	889.12	835.45	748.16	635.80	498.09	325.27	176.35	46.00
OB	907.11	999.12	889.12	835.45	748.16	635.80	498.09	325.27	176.35	46.00
OC	907.11	898.27	871.72	810.97	720.44	589.80	422.89	243.29	98.79	10.91
OD	907.11	898.27	871.72	810.97	720.44	589.80	422.89	243.29	98.79	10.91



H[m]	D[m]	Max lux	Med lux	Alpha=54.9°+54.9°	G=0.0 Max not at G	
1.00	2.84	989	270			
2.00	5.69	247	68			
3.00	8.53	110	30			
4.00	11.38	62	17			
5.00	14.22	40	11			

H[m]	D[m]	Max lux	Med lux	Beta=50.8°+50.8°	G=0.0 Max not at G	
1.00	2.45	989	270			
2.00	4.90	247	68			
3.00	7.35	110	30			
4.00	9.80	62	17			
5.00	12.25	40	11			

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Luminaire Flux	2677 lm	Luminaire Power	16.5 W	Efficacy	162.265 lm/W	Efficiency	90.79%
Source Flux	2949 lm	Maximum value	338.80 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	18.7	20.0	19.0	20.2	20.5	19.8	21.0	20.1	21.3	21.6
x=2H y=3H	19.7	20.8	20.0	21.1	21.5	20.8	21.9	21.1	22.2	22.6
x=2H y=4H	20.0	21.1	20.4	21.4	21.8	21.1	22.1	21.4	22.5	22.8
x=2H y=6H	20.2	21.2	20.6	21.6	21.9	21.2	22.2	21.6	22.5	22.9
x=2H y=8H	20.2	21.2	20.7	21.6	22.0	21.2	22.1	21.6	22.5	22.9
x=2H y=12H	20.2	21.2	20.7	21.6	21.9	21.2	22.1	21.6	22.5	22.8
x=4H y=2H	19.3	20.3	19.6	20.7	21.0	20.1	21.2	20.5	21.5	21.9
x=4H y=3H	20.4	21.4	20.8	21.7	22.1	21.3	22.2	21.7	22.6	23.0
x=4H y=4H	20.9	21.7	21.3	22.1	22.5	21.7	22.5	22.1	22.9	23.3
x=4H y=6H	21.1	21.8	21.6	22.3	22.7	21.9	22.6	22.3	23.0	23.5
x=4H y=8H	21.2	21.8	21.7	22.3	22.7	21.9	22.6	22.4	23.0	23.5
x=4H y=12H	21.2	21.8	21.7	22.3	22.7	21.9	22.5	22.4	23.0	23.5
x=8H y=4H	21.0	21.7	21.5	22.1	22.6	21.8	22.4	22.3	22.9	23.4
x=8H y=6H	21.4	21.9	21.9	22.4	22.9	22.1	22.6	22.6	23.1	23.6
x=8H y=8H	21.5	21.9	22.0	22.4	23.0	22.1	22.6	22.6	23.1	23.6
x=8H y=12H	21.5	21.9	22.1	22.4	23.0	22.1	22.6	22.7	23.1	23.6
x=12H y=4H	21.0	21.6	21.5	22.1	22.6	21.8	22.4	22.3	22.8	23.3
x=12H y=6H	21.4	21.9	21.9	22.4	22.9	22.1	22.5	22.6	23.0	23.6
x=12H y=8H	21.5	21.9	22.0	22.4	23.0	22.1	22.6	22.7	23.1	23.6

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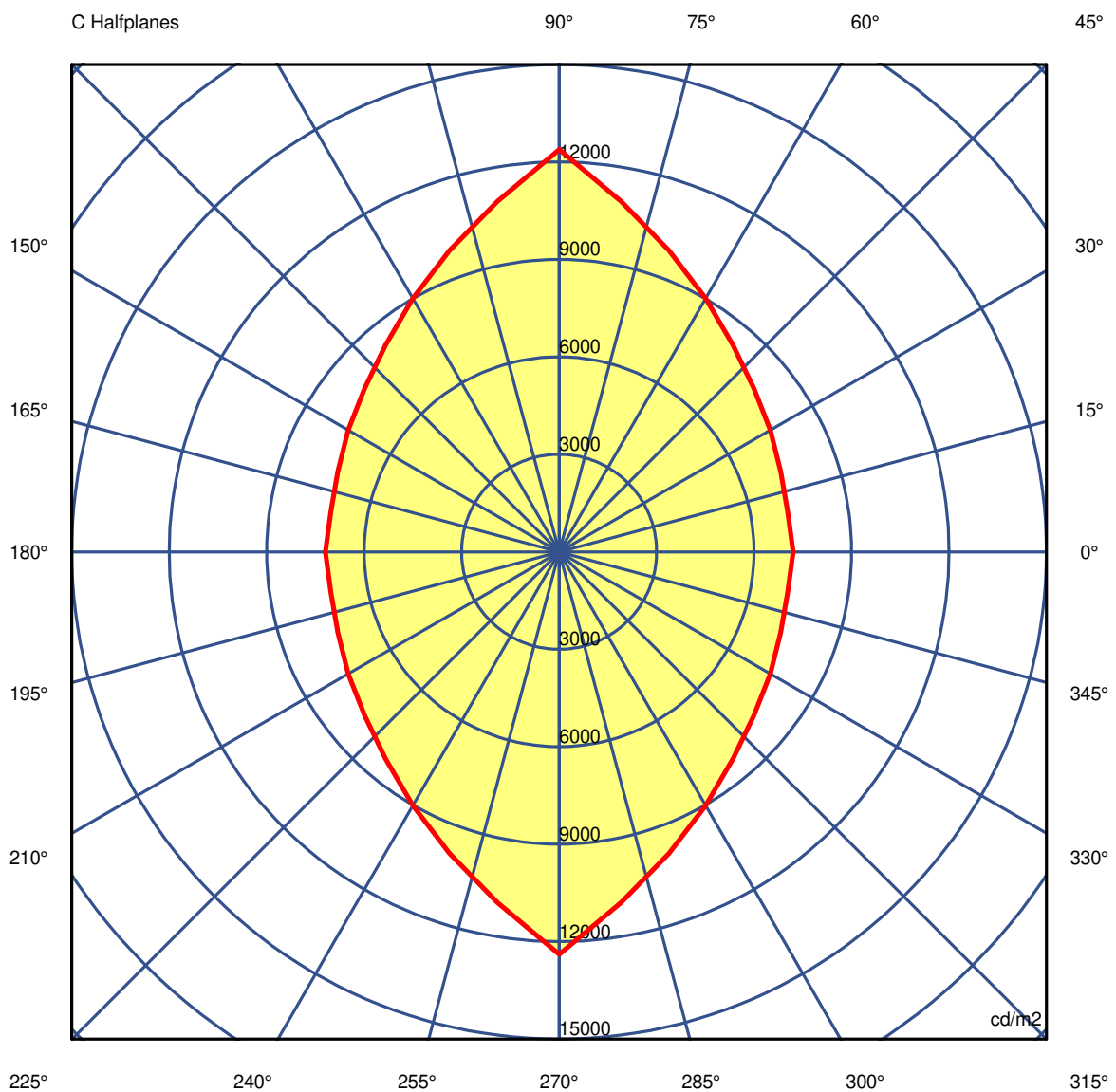
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**Measurem.**

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Luminaire Flux	2677 lm	Luminaire Power	16.5 W	Efficacy	162.265 lm/W	Efficiency	90.79%
Source Flux	2949 lm	Maximum value	338.80 cd/klm	Position	C=0.00 G=5.00	CG Double Symmetrical	

Luminance



45.0°

**Luminaire**

Code 90489L090-50

Name TTP 70 LINE L0900 TUP 840 END LO

**Measurement**

Code 3/7/2023

Name TTP 70 LINE L0900 TUP 840 END LO

Luminaire Flux	2677 lm		Luminaire Power		16.5 W		Efficacy		162.265 lm/W		Efficiency		90.79%	
Source Flux	2949 lm		Maximum value		338.80 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	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	
G 5.0	14770	14600	14613	14769	14879	14861	14697	14440	14305	14343	14305	14440	14697	
G 10.0	12166	12046	12070	12262	12641	13456	14385	14670	14538	14290	14538	14670	14385	
G 15.0	11627	11505	11512	11589	11630	11810	12566	14110	14820	14156	14820	14110	12566	
G 20.0	10819	10726	10753	10895	11169	11433	11679	13324	14387	14014	14387	13324	11679	
G 25.0	10068	10018	10091	10289	10576	10884	11388	12362	13258	13825	13258	12362	11388	
G 30.0	9335	9230	9282	9513	9903	10392	10900	11416	12264	13606	12264	11416	10900	
G 35.0	8603	8488	8597	8893	9230	9692	10247	10775	11723	13352	11723	10775	10247	
G 40.0	7922	7857	7953	8185	8547	9086	9771	10440	11498	13056	11498	10440	9771	
G 45.0	7200	7138	7249	7506	7827	8314	9014	9878	10958	12386	10958	9878	9014	
G 50.0	6480	6422	6507	6747	7135	7654	8295	9075	10142	11698	10142	9075	8295	
G 55.0	5728	5674	5752	5954	6288	6743	7338	8227	9303	10618	9303	8227	7338	
G 60.0	4820	4764	4876	5113	5365	5780	6438	7250	8207	9488	8207	7250	6438	
G 65.0	3920	3893	3993	4198	4444	4783	5275	5940	6758	7892	6758	5940	5275	
G 70.0	3077	3039	3125	3299	3463	3701	4088	4620	5285	6271	5285	4620	4088	
G 75.0	2306	2276	2309	2396	2520	2698	2948	3274	3767	4728	3767	3274	2948	
G 80.0	1464	1449	1473	1543	1661	1787	1894	2016	2299	3124	2299	2016	1894	
G 85.0	680	670	688	731	782	880	1042	1131	1143	1057	1143	1131	1042	
G 90.0	331	334	348	376	422	487	557	596	620	722	620	596	557	

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Source Flux	2949 lm		Maximum value		338.80 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	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528	
G 5.0	14861	14879	14769	14613	14600	14770	14600	14613	14769	14879	14861	14697	14440	
G 10.0	13456	12641	12262	12070	12046	12166	12046	12070	12262	12641	13456	14385	14670	
G 15.0	11810	11630	11589	11512	11505	11627	11505	11512	11589	11630	11810	12566	14110	
G 20.0	11433	11169	10895	10753	10726	10819	10726	10753	10895	11169	11433	11679	13324	
G 25.0	10884	10576	10289	10091	10018	10068	10018	10091	10289	10576	10884	11388	12362	
G 30.0	10392	9903	9513	9282	9230	9335	9230	9282	9513	9903	10392	10900	11416	
G 35.0	9692	9230	8893	8597	8488	8603	8488	8597	8893	9230	9692	10247	10775	
G 40.0	9086	8547	8185	7953	7857	7922	7857	7953	8185	8547	9086	9771	10440	
G 45.0	8314	7827	7506	7249	7138	7200	7138	7249	7506	7827	8314	9014	9878	
G 50.0	7654	7135	6747	6507	6422	6480	6422	6507	6747	7135	7654	8295	9075	
G 55.0	6743	6288	5954	5752	5674	5728	5674	5752	5954	6288	6743	7338	8227	
G 60.0	5780	5365	5113	4876	4764	4820	4764	4876	5113	5365	5780	6438	7250	
G 65.0	4783	4444	4198	3993	3893	3920	3893	3993	4198	4444	4783	5275	5940	
G 70.0	3701	3463	3299	3125	3039	3077	3039	3125	3299	3463	3701	4088	4620	
G 75.0	2698	2520	2396	2309	2276	2306	2276	2309	2396	2520	2698	2948	3274	
G 80.0	1787	1661	1543	1473	1449	1464	1449	1473	1543	1661	1787	1894	2016	
G 85.0	880	782	731	688	670	680	670	688	731	782	880	1042	1131	
G 90.0	487	422	376	348	334	331	334	348	376	422	487	557	596	

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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	14528	14528	14528	14528	14528	14528	14528	14528	14528	14528
G 5.0	14305	14343	14305	14440	14697	14861	14879	14769	14613	14600
G 10.0	14538	14290	14538	14670	14385	13456	12641	12262	12070	12046
G 15.0	14820	14156	14820	14110	12566	11810	11630	11589	11512	11505
G 20.0	14387	14014	14387	13324	11679	11433	11169	10895	10753	10726
G 25.0	13258	13825	13258	12362	11388	10884	10576	10289	10091	10018
G 30.0	12264	13606	12264	11416	10900	10392	9903	9513	9282	9230
G 35.0	11723	13352	11723	10775	10247	9692	9230	8893	8597	8488
G 40.0	11498	13056	11498	10440	9771	9086	8547	8185	7953	7857
G 45.0	10958	12386	10958	9878	9014	8314	7827	7506	7249	7138
G 50.0	10142	11698	10142	9075	8295	7654	7135	6747	6507	6422
G 55.0	9303	10618	9303	8227	7338	6743	6288	5954	5752	5674
G 60.0	8207	9488	8207	7250	6438	5780	5365	5113	4876	4764
G 65.0	6758	7892	6758	5940	5275	4783	4444	4198	3993	3893
G 70.0	5285	6271	5285	4620	4088	3701	3463	3299	3125	3039
G 75.0	3767	4728	3767	3274	2948	2698	2520	2396	2309	2276
G 80.0	2299	3124	2299	2016	1894	1787	1661	1543	1473	1449
G 85.0	1143	1057	1143	1131	1042	880	782	731	688	670
G 90.0	620	722	620	596	557	487	422	376	348	334