

**Luminaire**

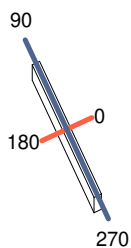
Code 90485L090-50  
Name TTP 50 LINE L0900 TUP 840 END LO

**Measurem.**

Code 4/7/2023  
Name TTP 50 LINE L0900 TUP 840 END LO

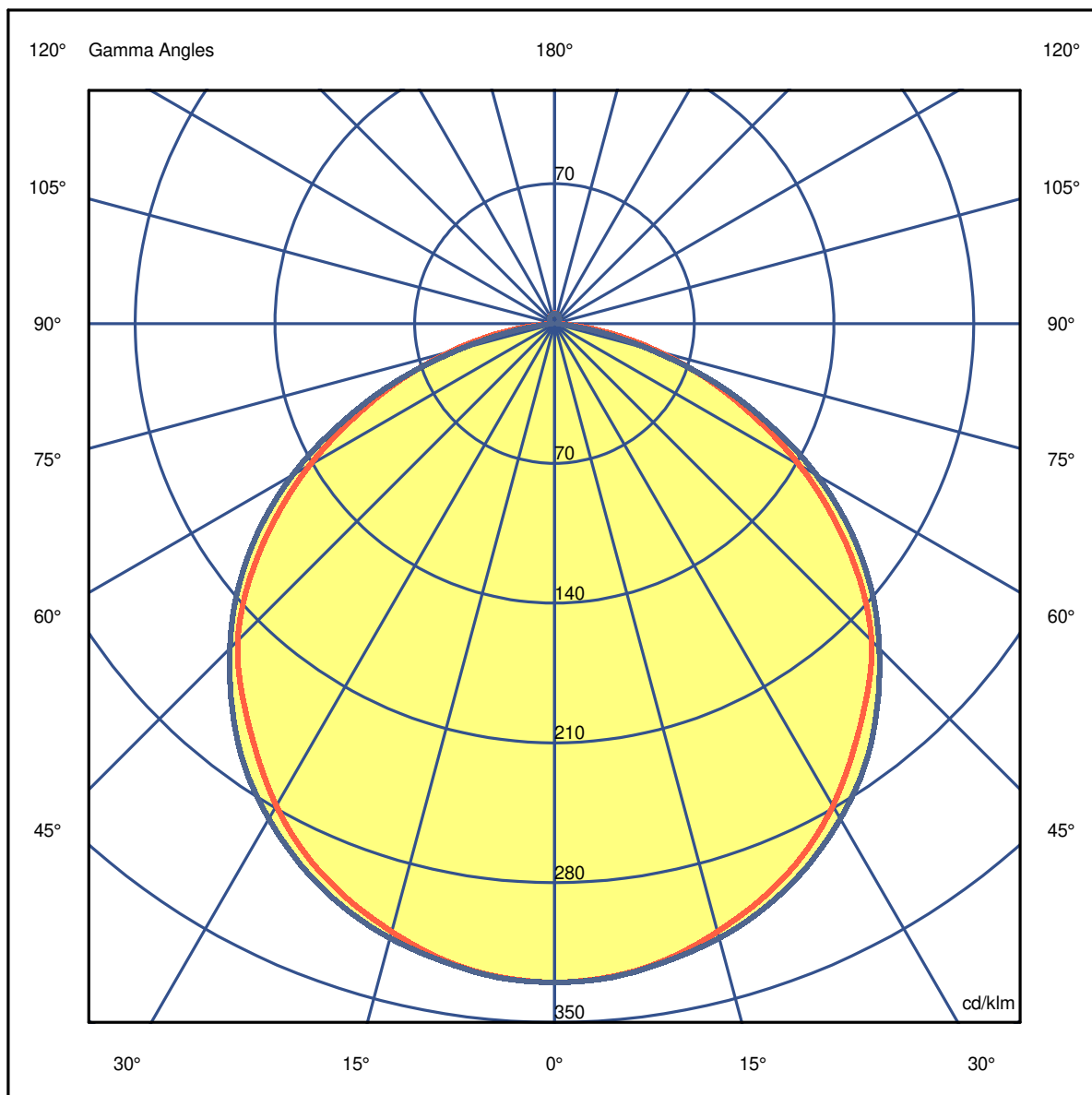
Luminaire Flux	2804 lm	Luminaire Power	16.5 W	Efficacy	169.956 lm/W	Efficiency	95.09%
Source Flux	2949 lm	Maximum value	330.00 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

900mm x 50mm



C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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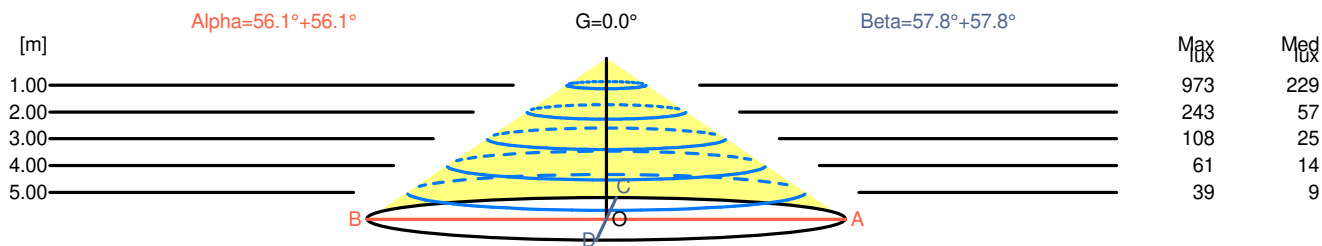
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Width at 50.00 % of Max Intensity

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	1.49	2.97	4.46	5.95	7.43	OC	1.59	3.18	4.76	6.35	7.94
OB	1.49	2.97	4.46	5.95	7.43	OD	1.59	3.18	4.76	6.35	7.94

	0	5	15	25	35	45	55	65	75	85
OA	973.17	967.86	929.52	866.71	769.69	662.05	504.87	325.86	158.36	23.89
OB	973.17	967.86	929.52	866.71	769.69	662.05	504.87	325.86	158.36	23.89
OC	973.17	969.04	939.55	883.82	798.29	678.56	533.77	348.57	143.62	9.73
OD	973.17	969.04	939.55	883.82	798.29	678.56	533.77	348.57	143.62	9.73



H[m]	D[m]	Max lux	Med lux	Alpha=56.1°+56.1°	G=0.0	
1.00	2.97	973	229			
2.00	5.95	243	57			
3.00	8.92	108	25			
4.00	11.89	61	14			
5.00	14.86	39	9			

H[m]	D[m]	Max lux	Med lux	Beta=57.8°+57.8°	G=0.0	
1.00	3.18	973	229			
2.00	6.35	243	57			
3.00	9.53	108	25			
4.00	12.70	61	14			
5.00	15.88	39	9			

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Luminaire Flux	2804 lm	Luminaire Power	16.5 W	Efficacy	169.956 lm/W	Efficiency	95.09%
Source Flux	2949 lm	Maximum value	330.00 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	20.0	21.3	20.3	21.5	21.8	21.7	23.0	22.0	23.2	23.5
x=2H y=3H	20.9	22.0	21.2	22.4	22.7	22.9	24.1	23.3	24.4	24.7
x=2H y=4H	21.2	22.3	21.5	22.6	22.9	23.3	24.4	23.7	24.7	25.0
x=2H y=6H	21.3	22.3	21.7	22.6	23.0	23.5	24.5	23.9	24.8	25.2
x=2H y=8H	21.3	22.2	21.7	22.6	23.0	23.5	24.4	23.9	24.8	25.1
x=2H y=12H	21.2	22.2	21.7	22.5	22.9	23.4	24.4	23.8	24.7	25.1
x=4H y=2H	20.6	21.7	20.9	22.0	22.3	22.0	23.1	22.4	23.4	23.7
x=4H y=3H	21.6	22.6	22.0	22.9	23.3	23.4	24.3	23.8	24.7	25.0
x=4H y=4H	22.0	22.8	22.4	23.2	23.6	23.8	24.6	24.2	25.0	25.4
x=4H y=6H	22.2	22.9	22.6	23.3	23.7	24.0	24.7	24.5	25.1	25.6
x=4H y=8H	22.2	22.8	22.6	23.3	23.7	24.0	24.7	24.5	25.1	25.6
x=4H y=12H	22.2	22.8	22.6	23.2	23.7	24.0	24.6	24.5	25.1	25.5
x=8H y=4H	22.1	22.8	22.6	23.2	23.7	23.9	24.5	24.3	24.9	25.4
x=8H y=6H	22.4	22.9	22.9	23.4	23.9	24.1	24.6	24.6	25.1	25.6
x=8H y=8H	22.4	22.9	22.9	23.4	23.9	24.2	24.6	24.7	25.1	25.6
x=8H y=12H	22.4	22.8	22.9	23.3	23.9	24.2	24.6	24.7	25.1	25.6
x=12H y=4H	22.1	22.7	22.6	23.2	23.6	23.8	24.4	24.3	24.9	25.3
x=12H y=6H	22.4	22.8	22.9	23.3	23.8	24.1	24.6	24.6	25.0	25.6
x=12H y=8H	22.4	22.8	23.0	23.3	23.9	24.2	24.6	24.7	25.1	25.6

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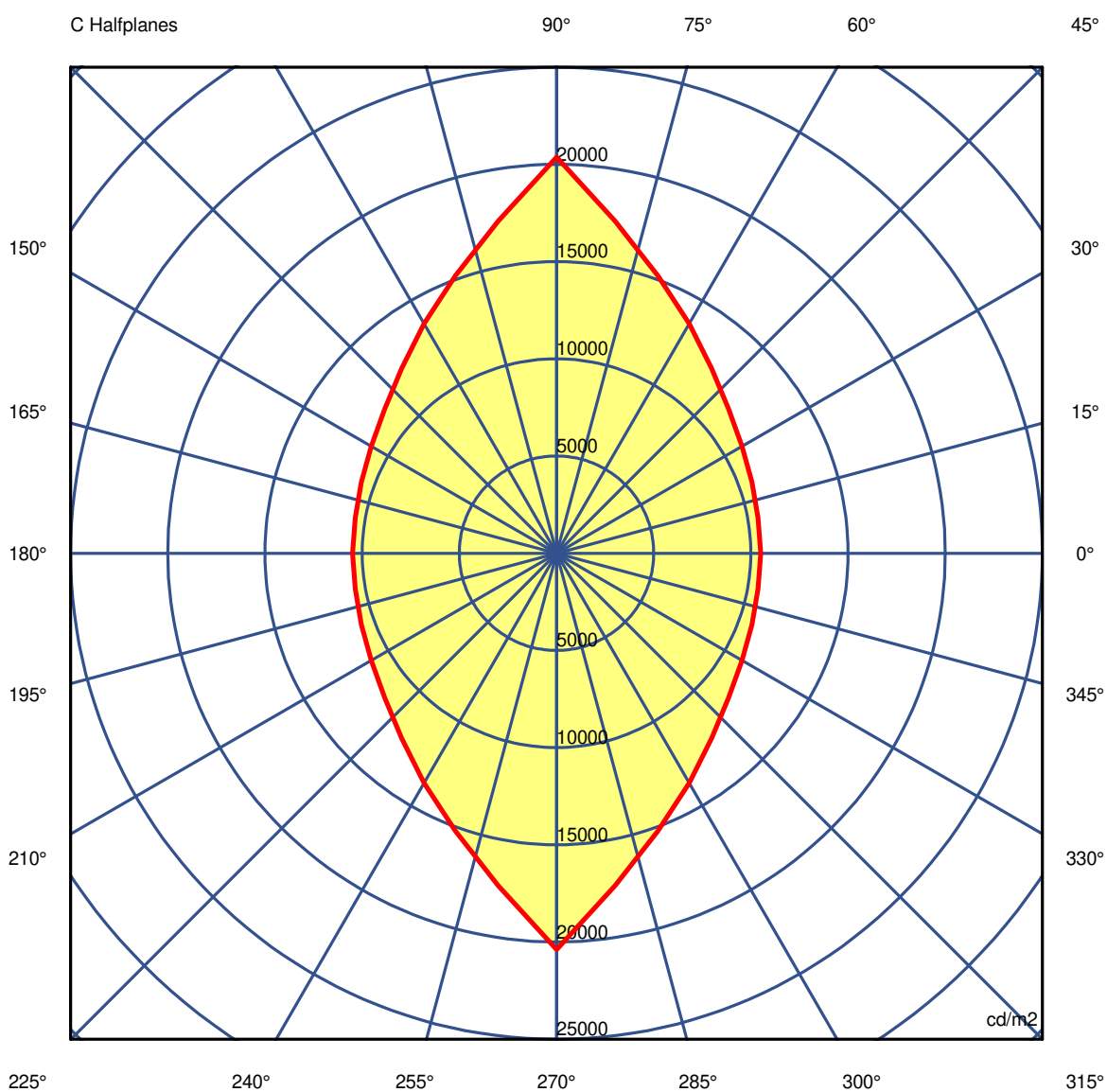
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**Measurem.**

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Luminaire Flux	2804 lm	Luminaire Power	16.5 W	Efficacy	169.956 lm/W	Efficiency	95.09%
Source Flux	2949 lm	Maximum value	330.00 cd/klm	Position	C=0.00 G=0.00	CG Double Symmetrical	

Luminance



45.0°

**Luminaire**

Code 90485L090-50

Name TTP 50 LINE L0900 TUP 840 END LO

**Measurement**

Code 4/7/2023

Name TTP 50 LINE L0900 TUP 840 END LO

Luminaire Flux	2804 lm		Luminaire Power		16.5 W		Efficacy		169.956 lm/W		Efficiency		95.09%	
Source Flux	2949 lm		Maximum value		330.00 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	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	
G 5.0	20031	20034	20095	20204	20347	20549	20805	21054	21347	21704	21347	21054	20805	
G 10.0	18453	18472	18573	18757	19047	19409	19841	20349	20923	21554	20923	20349	19841	
G 15.0	17017	17037	17179	17456	17840	18346	18973	19695	20530	21487	20530	19695	18973	
G 20.0	15770	15803	15953	16235	16685	17321	18118	19034	20120	21411	20120	19034	18118	
G 25.0	14623	14641	14821	15159	15642	16337	17260	18365	19697	21308	19697	18365	17260	
G 30.0	13495	13533	13747	14125	14638	15386	16410	17673	19234	21174	19234	17673	16410	
G 35.0	12391	12428	12654	13066	13640	14431	15507	16925	18735	21025	18735	16925	15507	
G 40.0	11419	11455	11639	11994	12612	13465	14588	16114	18112	20717	18112	16114	14588	
G 45.0	10496	10514	10687	11019	11548	12407	13641	15211	17352	20374	17352	15211	13641	
G 50.0	9363	9402	9634	10030	10540	11312	12472	14087	16449	19970	16449	14087	12472	
G 55.0	8128	8166	8387	8825	9481	10231	11189	12801	15359	19319	15359	12801	11189	
G 60.0	6854	6892	7061	7425	8075	8888	9874	11333	13851	18262	13851	11333	9874	
G 65.0	5498	5485	5620	5926	6442	7301	8440	9678	11917	16509	11917	9678	8440	
G 70.0	4220	4217	4339	4570	4854	5460	6500	7442	9372	14122	9372	7442	6500	
G 75.0	2899	2903	2987	3169	3465	3855	4368	5173	6765	10289	6765	5173	4368	
G 80.0	1678	1671	1725	1838	1987	2191	2492	2963	3777	5721	3777	2963	2492	
G 85.0	494	519	533	561	672	854	1054	1192	1297	1526	1297	1192	1054	
G 90.0	165	166	172	185	206	241	289	352	484	1416	484	352	289	

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Source Flux	2949 lm		Maximum value		330.00 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	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820	
G 5.0	20549	20347	20204	20095	20034	20031	20034	20095	20204	20347	20549	20805	21054	
G 10.0	19409	19047	18757	18573	18472	18453	18472	18573	18757	19047	19409	19841	20349	
G 15.0	18346	17840	17456	17179	17037	17017	17037	17179	17456	17840	18346	18973	19695	
G 20.0	17321	16685	16235	15953	15803	15770	15803	15953	16235	16685	17321	18118	19034	
G 25.0	16337	15642	15159	14821	14641	14623	14641	14821	15159	15642	16337	17260	18365	
G 30.0	15386	14638	14125	13747	13533	13495	13533	13747	14125	14638	15386	16410	17673	
G 35.0	14431	13640	13066	12654	12428	12391	12428	12654	13066	13640	14431	15507	16925	
G 40.0	13465	12612	11994	11639	11455	11419	11455	11639	11994	12612	13465	14588	16114	
G 45.0	12407	11548	11019	10687	10514	10496	10514	10687	11019	11548	12407	13641	15211	
G 50.0	11312	10540	10030	9634	9402	9363	9402	9634	10030	10540	11312	12472	14087	
G 55.0	10231	9481	8825	8387	8166	8128	8166	8387	8825	9481	10231	11189	12801	
G 60.0	8888	8075	7425	7061	6892	6854	6892	7061	7425	8075	8888	9874	11333	
G 65.0	7301	6442	5926	5620	5485	5498	5485	5620	5926	6442	7301	8440	9678	
G 70.0	5460	4854	4570	4339	4217	4220	4217	4339	4570	4854	5460	6500	7442	
G 75.0	3855	3465	3169	2987	2903	2899	2903	2987	3169	3465	3855	4368	5173	
G 80.0	2191	1987	1838	1725	1671	1678	1671	1725	1838	1987	2191	2492	2963	
G 85.0	854	672	561	533	519	494	519	533	561	672	854	1054	1192	
G 90.0	241	206	185	172	166	165	166	172	185	206	241	289	352	

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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	21820	21820	21820	21820	21820	21820	21820	21820	21820	21820
G 5.0	21347	21704	21347	21054	20805	20549	20347	20204	20095	20034
G 10.0	20923	21554	20923	20349	19841	19409	19047	18757	18573	18472
G 15.0	20530	21487	20530	19695	18973	18346	17840	17456	17179	17037
G 20.0	20120	21411	20120	19034	18118	17321	16685	16235	15953	15803
G 25.0	19697	21308	19697	18365	17260	16337	15642	15159	14821	14641
G 30.0	19234	21174	19234	17673	16410	15386	14638	14125	13747	13533
G 35.0	18735	21025	18735	16925	15507	14431	13640	13066	12654	12428
G 40.0	18112	20717	18112	16114	14588	13465	12612	11994	11639	11455
G 45.0	17352	20374	17352	15211	13641	12407	11548	11019	10687	10514
G 50.0	16449	19970	16449	14087	12472	11312	10540	10030	9634	9402
G 55.0	15359	19319	15359	12801	11189	10231	9481	8825	8387	8166
G 60.0	13851	18262	13851	11333	9874	8888	8075	7425	7061	6892
G 65.0	11917	16509	11917	9678	8440	7301	6442	5926	5620	5485
G 70.0	9372	14122	9372	7442	6500	5460	4854	4570	4339	4217
G 75.0	6765	10289	6765	5173	4368	3855	3465	3169	2987	2903
G 80.0	3777	5721	3777	2963	2492	2191	1987	1838	1725	1671
G 85.0	1297	1526	1297	1192	1054	854	672	561	533	519
G 90.0	484	1416	484	352	289	241	206	185	172	166