

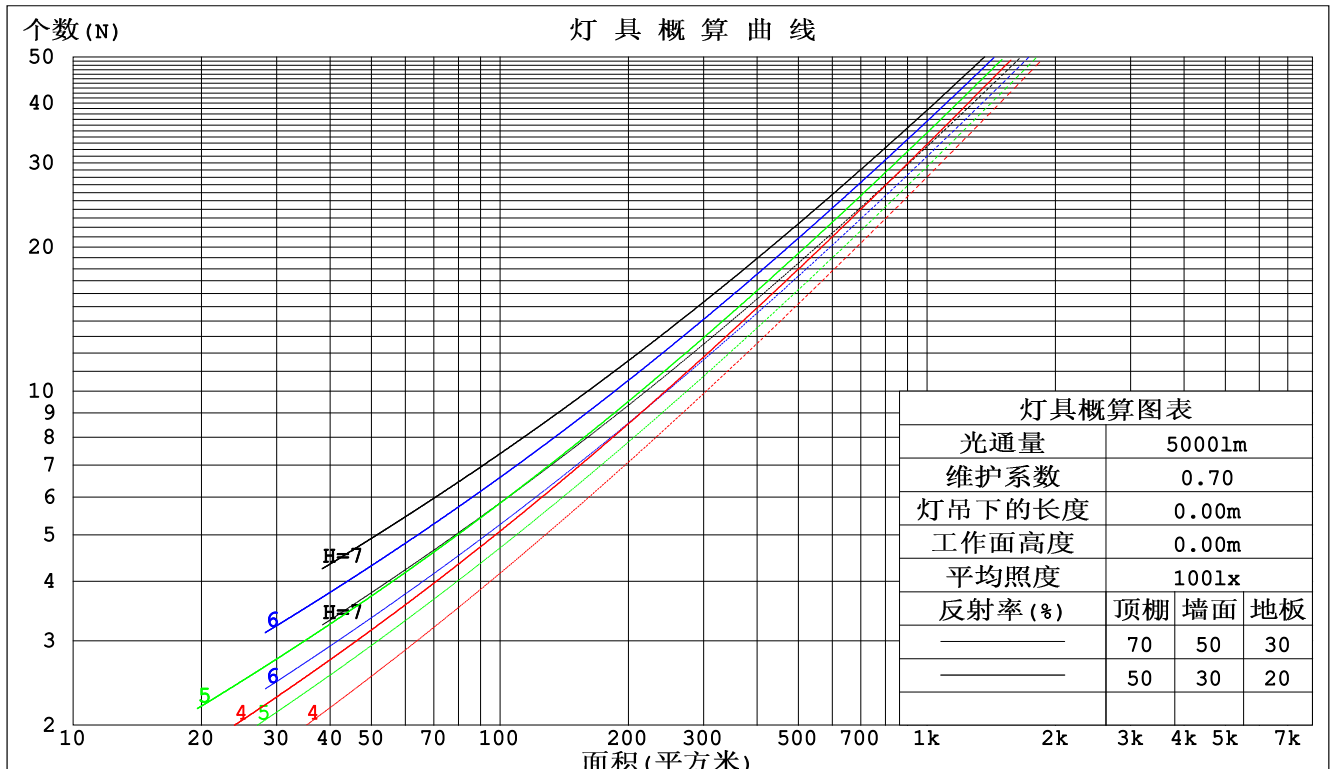




## 工作面利用系数和灯具概算曲线

实测参数: U:24.00V I:0.1905A P:4.572W PF:1.000 实检光通:125.583x1 lm		
灯具名称: SF15-24V-5050-56-SPI4-RGBW-(5000K)-G	灯具类型:PVC	灯具重量:
外型尺寸: 21mm*11.5mm	灯具规格:	测试编号:20220512
制造厂商: OLYMPIA	发光口面:1*0.0165	保护角:

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	工 作 面 利 用 系 数															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.03	.99	.95	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.87	.81	.76	.83	.78	.74	.80	.75	.71	.76	.73	.69	.67
3.0	.79	.70	.64	.77	.69	.63	.73	.67	.62	.70	.65	.60	.67	.63	.59	.56
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.41
6.0	.56	.47	.41	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.38	.36
7.0	.51	.42	.36	.50	.41	.35	.48	.40	.35	.46	.39	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.30	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.35	.29	.25	.23



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: HXJ  
测试日期: 2022-05-12

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方 (EVERFINE) GO-2000B\_V1系统 V2.0.269  
环境湿度: 65.0%  
测试距离: 9.200米 [K=1.0000]  
备注:

## 墙面和天花板利用系数

实测参数: U:24.00V I:0.1905A P:4.572W PF:1.000 实检光通:125.583x1 lm		
灯具名称: SF15-24V-5050-56-SPI4-RGBW-(5000K)-G	灯具类型:PVC	灯具重量:
外型尺寸: 21mm*11.5mm	灯具规格:	测试编号:20220512
制造厂商: OLYMPIA	发光口面:1*0.0165	保护角:

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	墙 壁 面 利 用 系 数															
0.0																
1.0	.312	.177	.056	.304	.173	.055	.289	.166	.053	.275	.159	.051	.262	.152	.049	
2.0	.292	.160	.049	.285	.157	.048	.272	.151	.047	.259	.145	.046	.248	.140	.044	
3.0	.270	.144	.043	.263	.141	.042	.252	.136	.041	.241	.132	.040	.230	.128	.039	
4.0	.249	.129	.038	.243	.127	.038	.232	.123	.037	.223	.120	.036	.213	.116	.035	
5.0	.230	.117	.034	.225	.115	.034	.215	.112	.033	.206	.109	.032	.198	.106	.032	
6.0	.213	.107	.031	.208	.105	.030	.200	.102	.030	.192	.100	.029	.185	.097	.029	
7.0	.198	.098	.028	.194	.097	.028	.186	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.185	.090	.025	.181	.089	.025	.174	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.152	.077	.022	
10.0	.163	.078	.022	.160	.077	.022	.154	.076	.021	.149	.074	.021	.144	.072	.021	

顶棚	80%			70%			50%			30%			10%			0
墙面	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
地板	20%			20%			20%			20%			20%			0
室空间比	天 花 板 利 用 系 数															
0.0	.215	.215	.215	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.205	.180	.158	.175	.155	.136	.120	.106	.094	.069	.062	.055	.022	.020	.018	
2.0	.197	.156	.122	.168	.135	.106	.115	.093	.074	.067	.054	.043	.021	.018	.014	
3.0	.189	.139	.099	.162	.120	.086	.111	.083	.060	.064	.049	.035	.021	.016	.012	
4.0	.181	.126	.083	.156	.109	.072	.107	.076	.051	.062	.044	.030	.020	.014	.010	
5.0	.174	.115	.072	.149	.100	.063	.103	.070	.044	.060	.041	.026	.019	.013	.009	
6.0	.167	.107	.064	.143	.093	.056	.099	.065	.039	.057	.038	.023	.019	.012	.008	
7.0	.160	.100	.058	.138	.087	.051	.095	.061	.036	.055	.036	.021	.018	.012	.007	
8.0	.154	.094	.054	.132	.082	.047	.091	.057	.033	.053	.034	.020	.017	.011	.007	
9.0	.148	.089	.050	.127	.078	.044	.088	.055	.031	.051	.032	.019	.017	.011	.006	
10.0	.142	.085	.047	.122	.074	.041	.085	.052	.029	.049	.031	.018	.016	.010	.006	

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度:25.3℃  
测试人员:HXJ  
测试日期:2022-05-12

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方 (EVERFINE) GO-2000B\_V1系统 V2.0.269  
环境湿度:65.0%  
测试距离:9.200米 [K=1.0000]  
备注:



## UF利用系数表

实测参数: U:24.00V I:0.1905A P:4.572W PF:1.000 实检光通:125.583x1 lm		
灯具名称: SF15-24V-5050-56-SPI4-RGBW- (5000K) -G	灯具类型:PVC	灯具重量:
外型尺寸: 21mm*11.5mm	灯具规格:	测试编号:20220512
制造厂商: OLYMPIA	发光口面:1*0.0165	保护角:

反 射 比 / REFLECTANCE										
天花板	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
墙壁	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
工作面	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
室形指数	利用系数 UTILIZATION FACTORS (%) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	45	38	54	44	38	31
0.80	66	55	47	65	54	47	63	53	47	40
1.00	75	64	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	67
2.50	98	90	84	95	88	83	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	95	103	97	93	98	93	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF (总)									UF (直接)
依据标准文件 DIN EN 13032-2 2004			悬挂灯				安装距高比 SHRNOM = 1.25			

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: HXJ  
测试日期: 2022-05-12

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方 (EVERFINE) GO-2000B\_V1系统 V2.0.269  
环境湿度: 65.0%  
测试距离: 9.200米 [K=1.0000]  
备注:

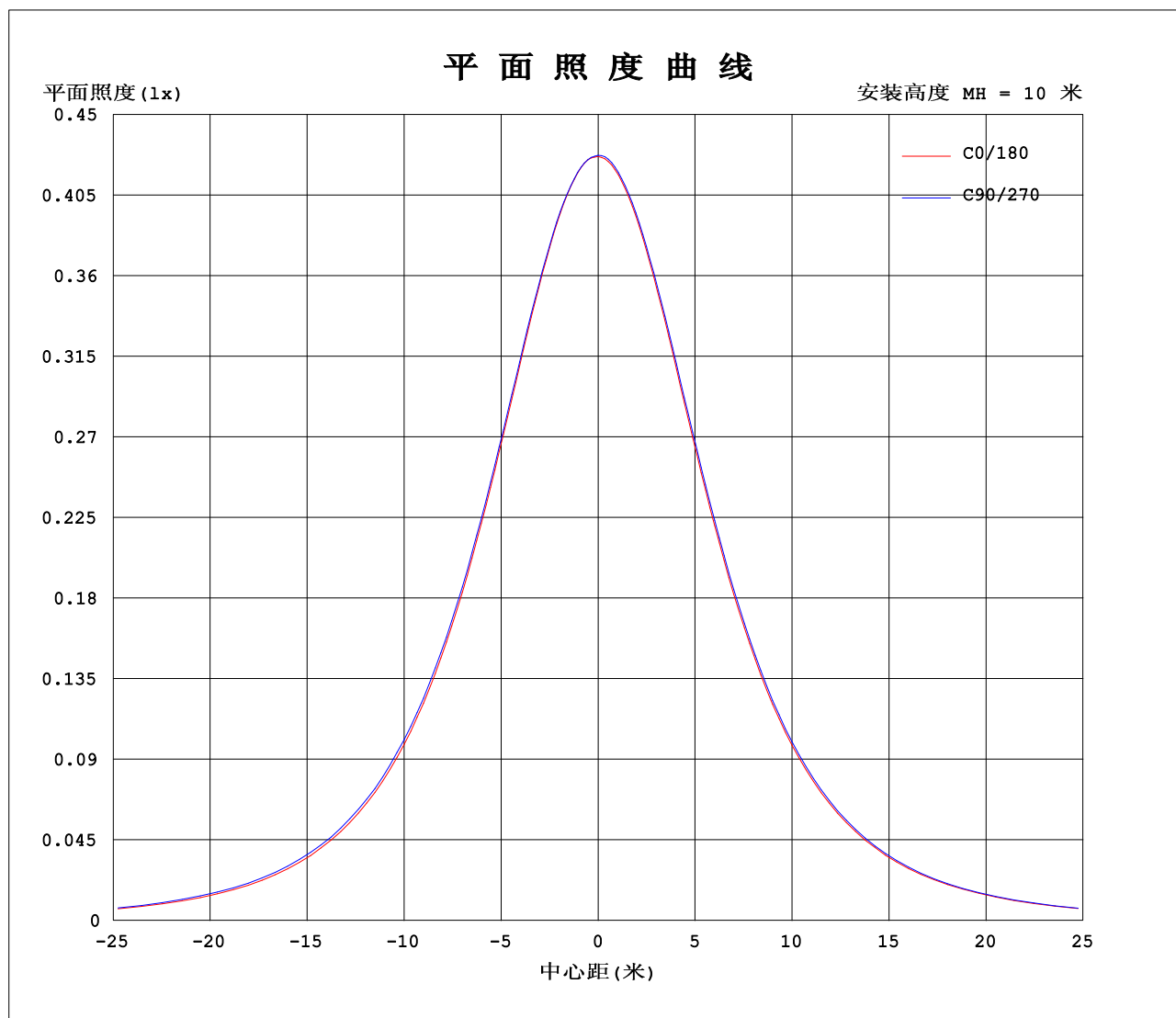








## 平面照度曲线



C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: HXJ  
测试日期: 2022-05-12

γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方 (EVERFINE) GO-2000B\_V1系统 V2.0.269  
环境湿度: 65.0%  
测试距离: 9.200米 [K=1.0000]  
备注:



### Photometric Data Table [cd]

G/C	0.0	30.0	60.0	90.0	120.0	150.0	180.0	210.0	240.0	270.0
0.0	42.65	42.66	42.68	42.72	42.72	42.73	42.65	42.66	42.68	42.72
3.0	42.65	42.62	42.69	42.66	42.71	42.66	42.56	42.61	42.60	42.68
6.0	42.43	42.43	42.48	42.46	42.48	42.44	42.32	42.36	42.37	42.46
9.0	42.07	42.09	42.14	42.12	42.12	42.06	41.92	41.98	42.01	42.10
12.0	41.56	41.60	41.67	41.68	41.63	41.55	41.40	41.42	41.51	41.60
15.0	40.91	40.98	41.04	41.07	41.01	40.91	40.72	40.73	40.86	40.97
18.0	40.13	40.23	40.29	40.33	40.23	40.14	39.92	39.95	40.11	40.20
21.0	39.21	39.31	39.41	39.48	39.36	39.24	38.99	38.99	39.19	39.31
24.0	38.16	38.31	38.40	38.50	38.34	38.21	37.92	37.98	38.20	38.28
27.0	37.00	37.17	37.28	37.39	37.23	37.09	36.76	36.76	37.05	37.18
30.0	35.72	35.89	36.02	36.17	35.97	35.79	35.48	35.54	35.79	35.93
33.0	34.33	34.56	34.66	34.84	34.62	34.46	34.10	34.17	34.44	34.58
36.0	32.83	33.07	33.20	33.40	33.17	32.98	32.62	32.67	32.98	33.13
39.0	31.25	31.47	31.65	31.89	31.63	31.41	31.07	31.11	31.45	31.58
42.0	29.58	29.85	29.99	30.25	30.00	29.80	29.42	29.47	29.82	29.94
45.0	27.83	28.09	28.27	28.60	28.31	28.10	27.70	27.78	28.12	28.25
48.0	26.00	26.27	26.47	26.80	26.52	26.33	25.94	25.93	26.36	26.48
51.0	24.11	24.42	24.60	24.99	24.69	24.51	24.10	24.14	24.53	24.63
54.0	22.17	22.50	22.65	23.03	22.77	22.62	22.21	22.21	22.62	22.74
57.0	20.16	20.48	20.68	21.14	20.83	20.63	20.29	20.27	20.70	20.78
60.0	18.12	18.50	18.64	19.11	18.84	18.73	18.32	18.38	18.72	18.77
63.0	16.04	16.38	16.57	17.04	16.81	16.67	16.33	16.35	16.70	16.76
66.0	13.94	14.30	14.47	14.99	14.75	14.68	14.32	14.30	14.67	14.68
69.0	11.84	12.16	12.35	12.89	12.66	12.59	12.29	12.30	12.61	12.57
72.0	9.744	10.02	10.24	10.77	10.59	10.52	10.27	10.31	10.55	10.54
75.0	7.697	7.976	8.145	8.699	8.527	8.514	8.271	8.228	8.517	8.464
78.0	5.752	5.991	6.124	6.644	6.501	6.513	6.341	6.253	6.542	6.458
81.0	3.991	4.151	4.243	4.694	4.580	4.608	4.456	4.422	4.622	4.568
84.0	2.478	2.579	2.595	2.935	2.851	2.905	2.758	2.694	2.883	2.860
87.0	1.321	1.365	1.351	1.510	1.507	1.571	1.439	1.446	1.479	1.486
90.0	0.6200	0.6223	0.7300	0.8493	0.8909	0.8585	0.6417	0.7200	0.7781	0.9539
93.0	0.4074	0.5354	0.6880	0.8472	0.7691	0.5978	0.3109	0.4629	0.7308	0.9308
96.0	0.4009	0.4875	0.6867	0.8450	0.7634	0.5680	0.2211	0.3921	0.7133	0.9077
99.0	0.4067	0.4976	0.6853	0.8429	0.7577	0.5830	0.2312	0.3921	0.7108	0.8845
102.0	0.4124	0.5177	0.6839	0.8407	0.7494	0.5881	0.2513	0.3921	0.7082	0.8745
105.0	0.4181	0.5278	0.6850	0.8379	0.7458	0.6031	0.2664	0.3920	0.7056	0.8494
108.0	0.4271	0.5429	0.6873	0.8352	0.7423	0.6183	0.2866	0.3920	0.7031	0.8093
111.0	0.4322	0.5629	0.6897	0.8292	0.7382	0.6382	0.3116	0.3970	0.7005	0.7891
114.0	0.4472	0.5830	0.6920	0.8016	0.7338	0.6433	0.3368	0.4221	0.6979	0.7640
117.0	0.4723	0.5930	0.6966	0.7940	0.7338	0.6534	0.3520	0.4352	0.6954	0.7589
120.0	0.4825	0.6031	0.7056	0.7879	0.7338	0.6634	0.3720	0.4480	0.6928	0.7513
123.0	0.5077	0.6182	0.7104	0.7846	0.7338	0.6784	0.3971	0.4625	0.6902	0.7438
126.0	0.5226	0.6283	0.7146	0.7812	0.7338	0.6785	0.4272	0.4774	0.6911	0.7438
129.0	0.5327	0.6433	0.7168	0.7790	0.7338	0.6886	0.4425	0.4925	0.6920	0.7388
132.0	0.5577	0.6534	0.7182	0.7769	0.7338	0.6916	0.4675	0.5106	0.6929	0.7337
135.0	0.5778	0.6634	0.7196	0.7752	0.7338	0.6948	0.4975	0.5197	0.6954	0.7287
138.0	0.5980	0.6785	0.7210	0.7746	0.7338	0.6981	0.5177	0.5377	0.6978	0.7287
141.0	0.6080	0.6936	0.7223	0.7740	0.7338	0.7014	0.5379	0.5528	0.7007	0.7287
144.0	0.6230	0.7016	0.7237	0.7734	0.7338	0.7066	0.5679	0.5828	0.7067	0.7287
147.0	0.6403	0.7137	0.7338	0.7728	0.7338	0.7119	0.5881	0.5930	0.7087	0.7287
150.0	0.6613	0.7201	0.7398	0.7722	0.7338	0.7087	0.6132	0.6081	0.7138	0.7287
153.0	0.6795	0.7266	0.7488	0.7716	0.7338	0.7187	0.6284	0.6156	0.7180	0.7287
156.0	0.6829	0.7368	0.7639	0.7710	0.7338	0.7298	0.6534	0.6282	0.7224	0.7287
159.0	0.6863	0.7488	0.7592	0.7704	0.7338	0.7389	0.6785	0.6582	0.7270	0.7287
162.0	0.6926	0.7489	0.7599	0.7697	0.7338	0.7494	0.6936	0.6714	0.7311	0.7287
165.0	0.7046	0.7499	0.7607	0.7693	0.7338	0.7503	0.7137	0.6835	0.7363	0.7287
168.0	0.7187	0.7509	0.7615	0.7692	0.7338	0.7512	0.7162	0.6921	0.7420	0.7287
171.0	0.7337	0.7519	0.7623	0.7691	0.7338	0.7521	0.7187	0.7007	0.7443	0.7287
174.0	0.7437	0.7529	0.7631	0.7690	0.7438	0.7530	0.7212	0.7086	0.7466	0.7287
177.0	0.7539	0.7539	0.7639	0.7689	0.7539	0.7539	0.7237	0.7236	0.7489	0.7287
180.0	0.7539	0.7539	0.7639	0.7689	0.7539	0.7539	0.7237	0.7287	0.7539	0.7438
G/C	300.0	330.0								
0.0	42.72	42.73								
3.0	42.65	42.73								
6.0	42.45	42.52								
9.0	42.11	42.17								
12.0	41.63	41.64								
15.0	41.00	40.98								
18.0	40.27	40.19								
21.0	39.35	39.27								
24.0	38.37	38.23								
27.0	37.22	37.09								
30.0	35.96	35.81								

备注:

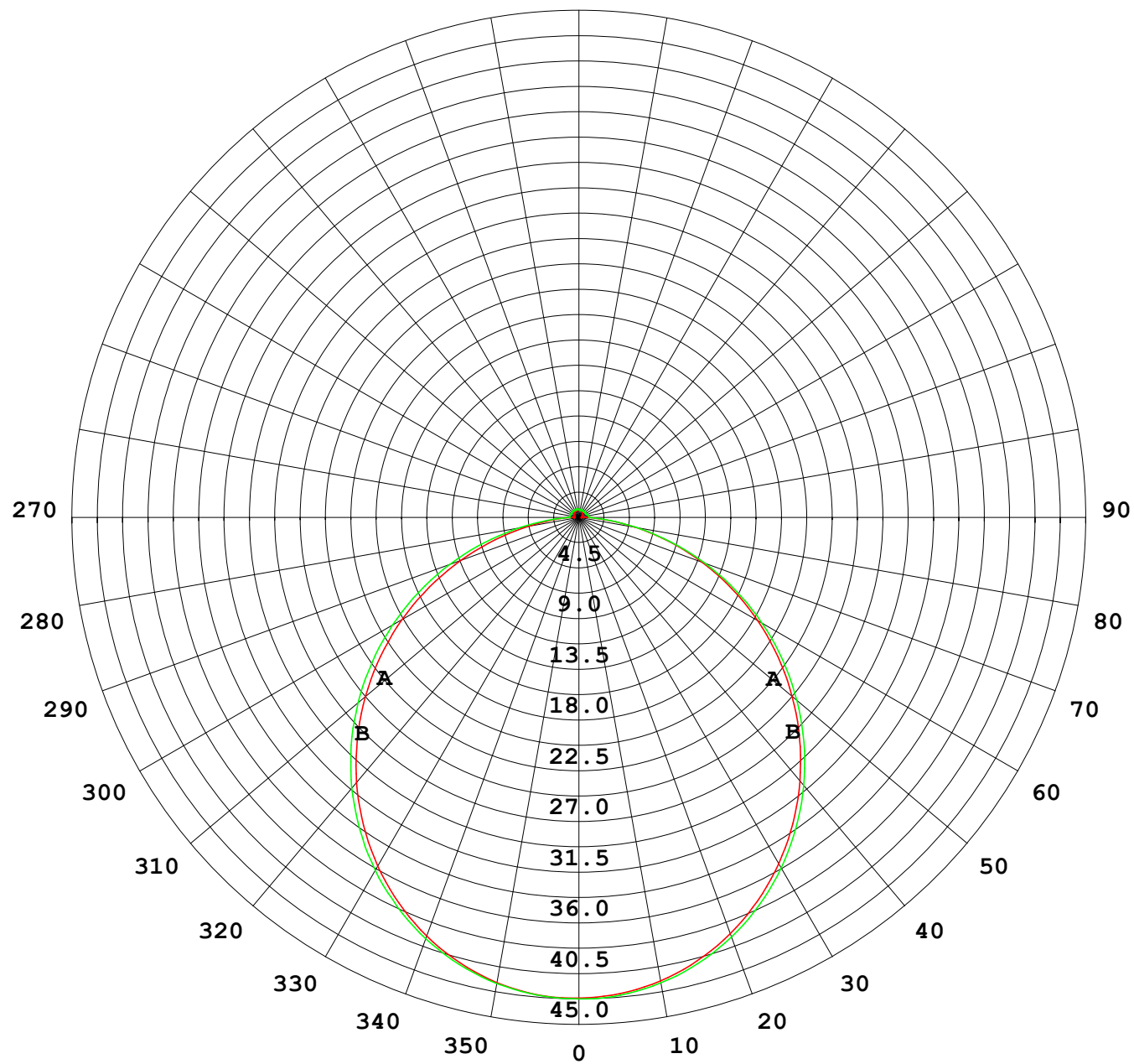
### Photometric Data Table [cd]

33.0	34.61	34.44
36.0	33.14	32.96
39.0	31.61	31.35
42.0	29.96	29.68
45.0	28.23	27.96
48.0	26.44	26.06
51.0	24.58	24.22
54.0	22.65	22.23
57.0	20.69	20.22
60.0	18.67	18.26
63.0	16.59	16.14
66.0	14.51	14.01
69.0	12.40	11.96
72.0	10.28	9.847
75.0	8.215	7.756
78.0	6.220	5.775
81.0	4.320	4.025
84.0	2.658	2.392
87.0	1.364	1.235
90.0	0.6530	0.5189
93.0	0.6182	0.3369
96.0	0.6313	0.3283
99.0	0.6403	0.3333
102.0	0.6493	0.3383
105.0	0.6583	0.3433
108.0	0.6574	0.3491
111.0	0.6634	0.3567
114.0	0.6694	0.3668
117.0	0.6718	0.3819
120.0	0.6724	0.4020
123.0	0.6729	0.4372
126.0	0.6735	0.4512
129.0	0.6765	0.4573
132.0	0.6825	0.4674
135.0	0.6869	0.5075
138.0	0.6881	0.5286
141.0	0.6925	0.5317
144.0	0.6986	0.5427
147.0	0.7087	0.5679
150.0	0.7137	0.5930
153.0	0.7187	0.6030
156.0	0.7262	0.6131
159.0	0.7387	0.6332
162.0	0.7437	0.6432
165.0	0.7417	0.6684
168.0	0.7460	0.6734
171.0	0.7491	0.6835
174.0	0.7515	0.7036
177.0	0.7539	0.7187
180.0	0.7539	0.7338

C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: HXJ  
测试日期: 2022-05-12

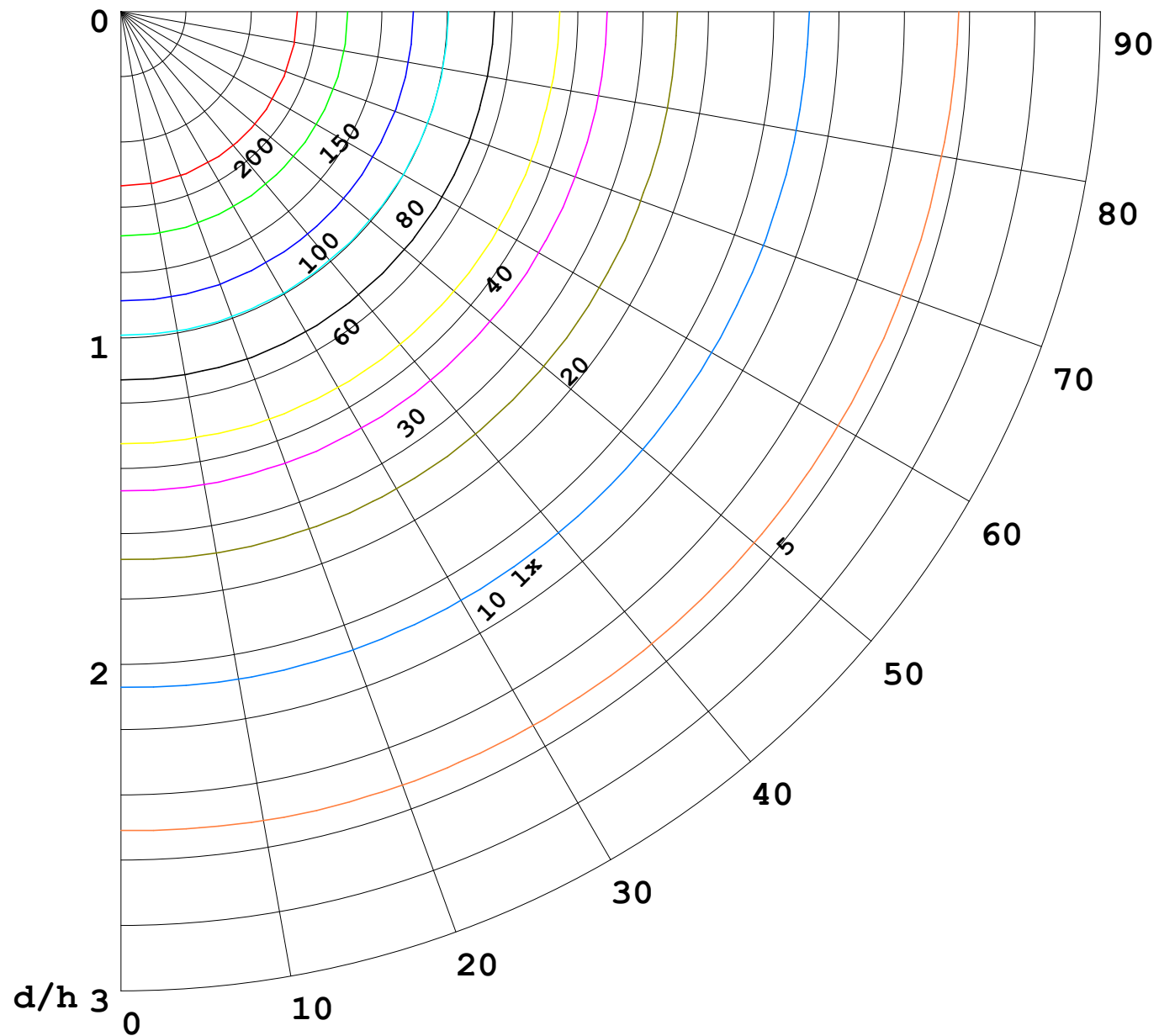
γ角度范围: 0度 - 180度  
γ角度间隔: 1.0度  
测试系统: 远方(EVERFINE)GO-2000B\_V1系统 V2.0.269  
环境湿度: 65.0%  
测试距离: 9.200米 [K=1.0000]  
备注:

I (cd)



1000 lm

$\kappa = 1$



F = 5000 lm  
 K = 0.7  
 Hcc = 0.0 m  
 Hfc = 0.0 m  
 Eave = 100 lx

	Pcc	Pw	Pfc
—	70	50	30
—	50	30	20

