

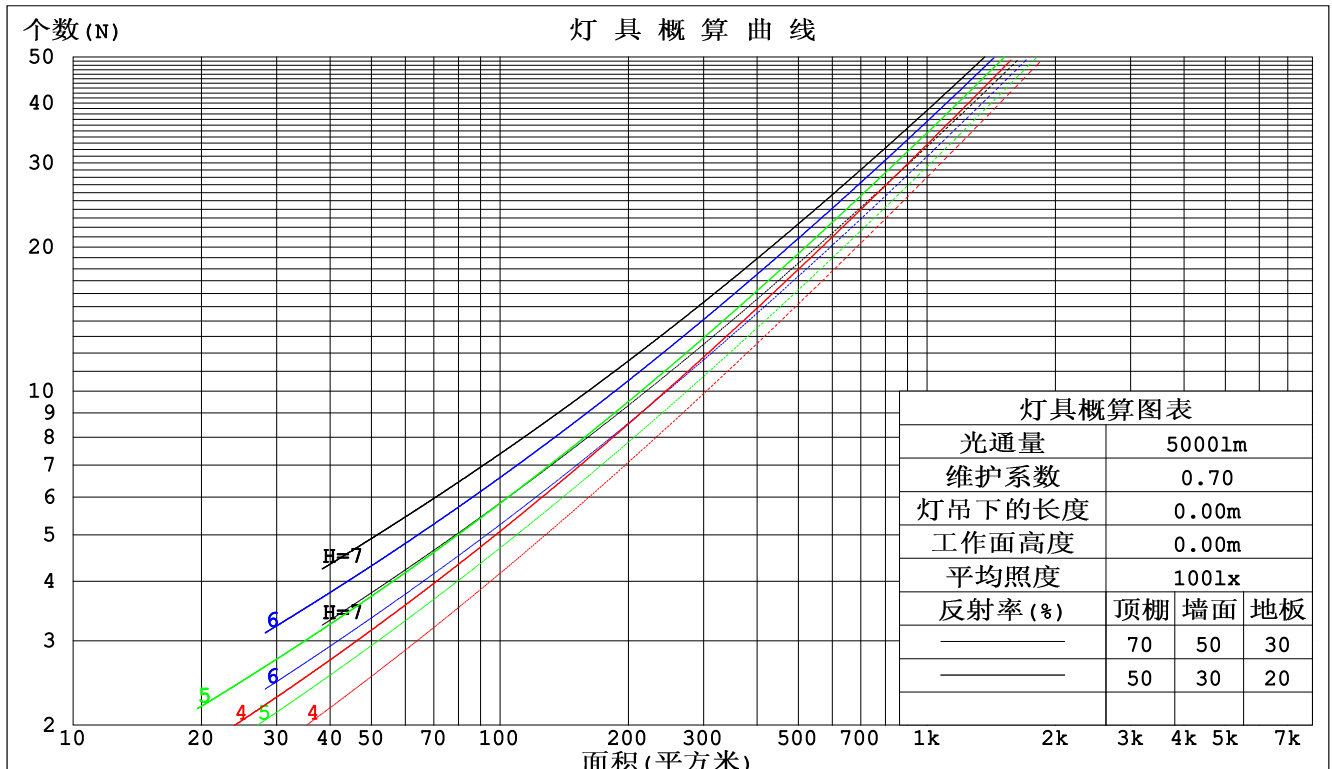




## 工作面利用系数和灯具概算曲线

实测参数: U:24.00V I:0.1895A P:4.548W PF:1.000 实检光通:117.839x1 lm		
灯具名称: SF15-24V-5050-56SPI4-RGBW-(4000)-G	灯具类型: 硅胶	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	.97	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.90	.83	.77	.88	.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	.54	.65	.58	.52	.62	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.45	.54	.48	.44	.42
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	.36	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.36	.31	.42	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.40	.33	.28	.39	.33	.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:0.1895A P:4.548W PF:1.000 实检光通:117.839x1 lm		
灯具名称: SF15-24V-5050-56SPI4-RGBW-(4000)-G	灯具类型:硅胶	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	.146	.046	.248	.140	.044	
3.0	.270	.144	.043	.264	.141	.042	.252	.136	.041	.241	.132	.040	.231	.128	.040	
4.0	.249	.129	.038	.243	.127	.038	.233	.123	.037	.223	.120	.036	.214	.116	.035	
5.0	.230	.117	.034	.225	.115	.034	.215	.112	.033	.207	.109	.032	.198	.106	.032	
6.0	.213	.107	.031	.209	.105	.030	.200	.103	.030	.192	.100	.029	.185	.097	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.153	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.204	.180	.158	.174	.154	.136	.119	.106	.094	.069	.061	.055	.022	.020	.018	
2.0	.196	.155	.122	.168	.134	.105	.115	.093	.073	.066	.054	.043	.021	.017	.014	
3.0	.188	.138	.098	.161	.119	.085	.111	.083	.060	.064	.048	.035	.021	.016	.012	
4.0	.181	.125	.082	.155	.108	.071	.107	.075	.050	.062	.044	.030	.020	.014	.010	
5.0	.173	.114	.071	.149	.099	.062	.102	.069	.044	.059	.041	.026	.019	.013	.009	
6.0	.166	.106	.063	.143	.092	.055	.098	.064	.039	.057	.038	.023	.018	.012	.008	
7.0	.159	.099	.057	.137	.086	.050	.095	.060	.035	.055	.036	.021	.018	.012	.007	
8.0	.153	.094	.053	.131	.081	.046	.091	.057	.033	.053	.034	.019	.017	.011	.006	
9.0	.147	.089	.049	.126	.077	.043	.088	.054	.031	.051	.032	.018	.017	.010	.006	
10.0	.141	.084	.047	.122	.073	.041	.084	.052	.029	.049	.030	.017	.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

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 (%) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	54	44	38	31
0.80	67	55	47	65	54	47	63	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	80	70	64	77	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	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	94	90	80
5.00	108	103	99	105	101	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			

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:

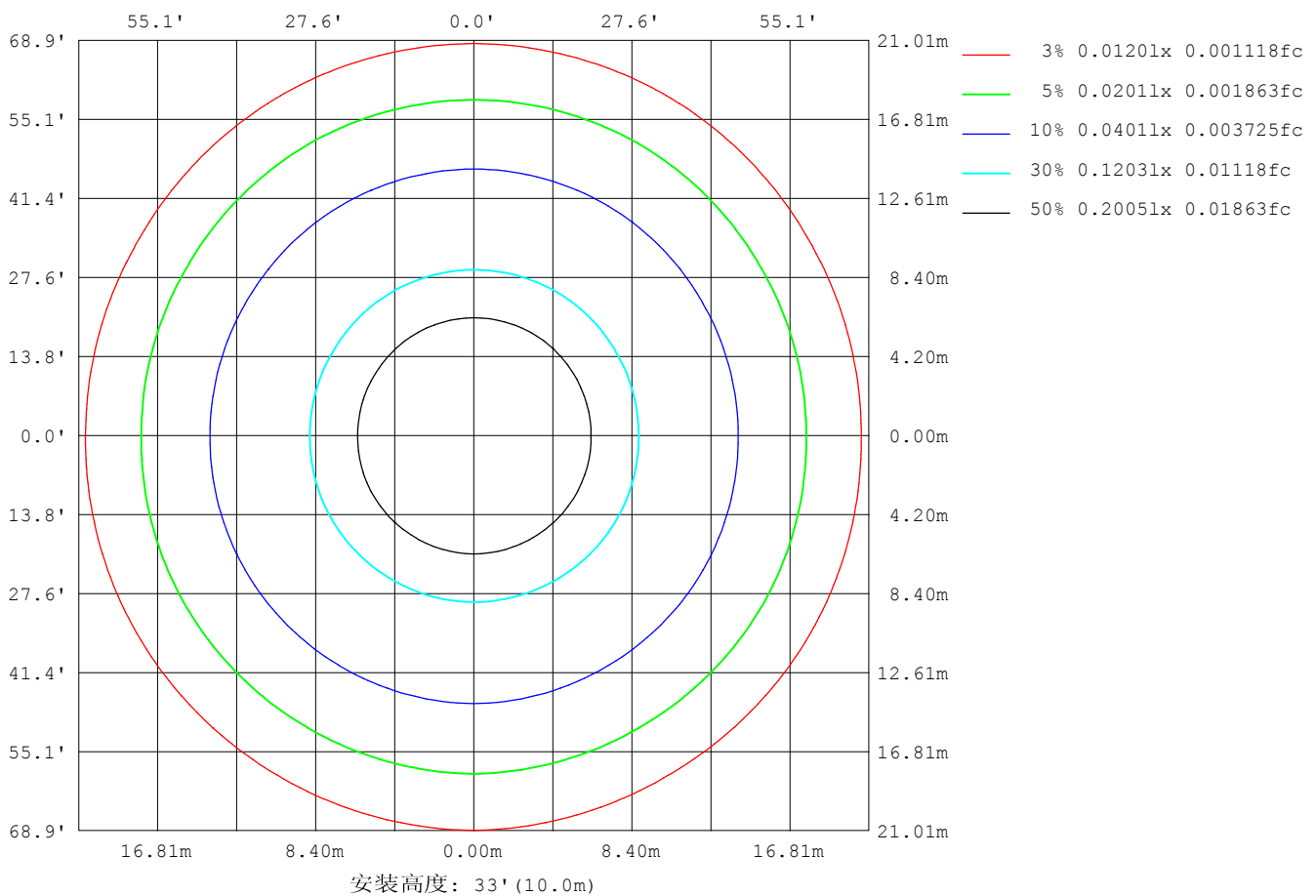






## 平面等照度曲线

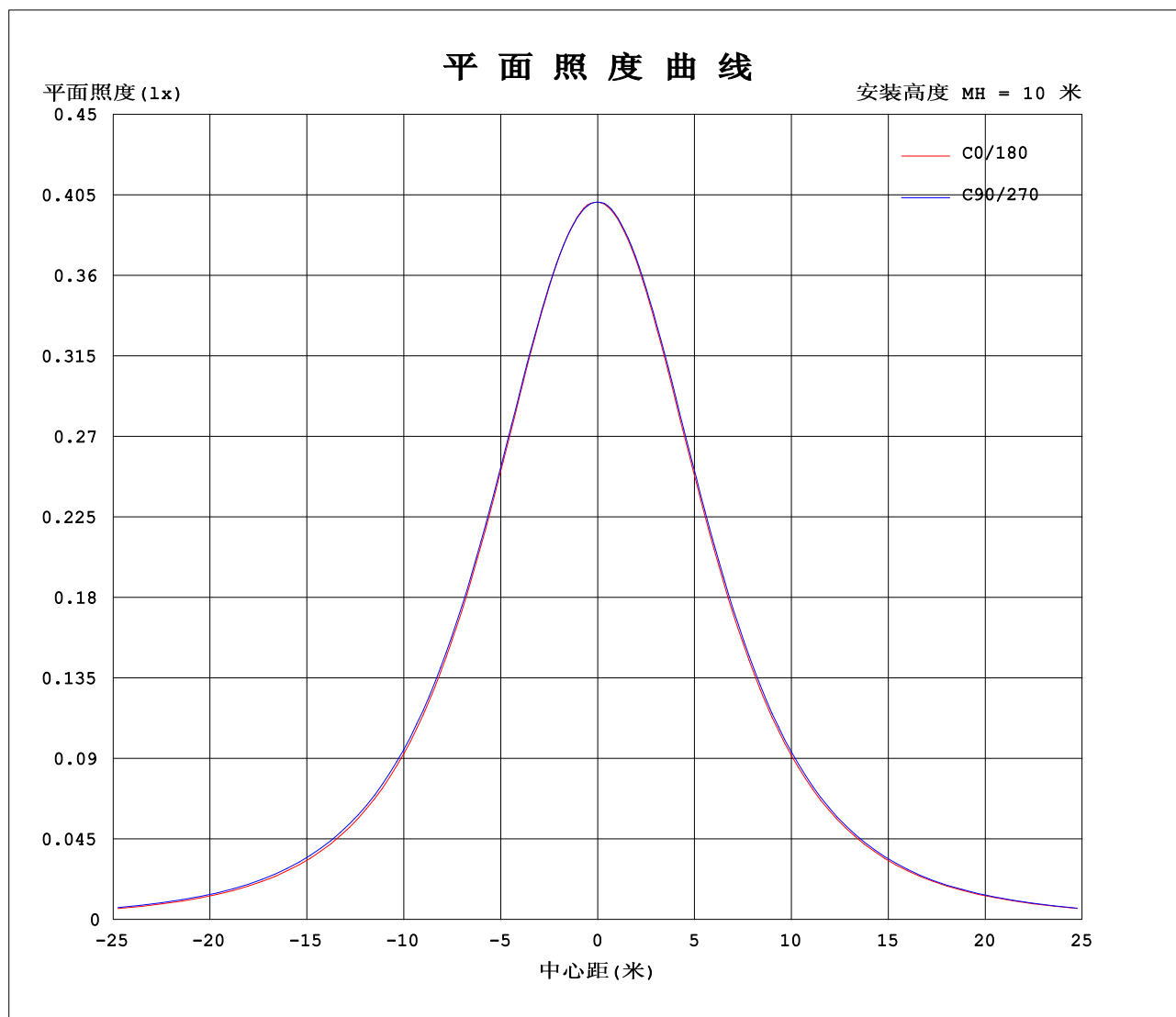
实测参数: U:24.00V I:0.1895A P:4.548W PF:1.000 实检光通:117.839x1 lm		
灯具名称: SF15-24V-5050-56SPI4-RGBW-(4000)-G	灯具类型: 硅胶	灯具重量:
外型尺寸: 21mm*11.5mm	灯具规格:	测试编号: 20220512
制造厂商: OLYMPIA	发光口面: 1*0.0165	保护角:



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

Y角度范围: 0度 - 180度  
Y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	40.10	40.10	40.10	40.11	40.10	40.11	40.10	40.10	40.10	40.11
3.0	40.11	40.06	40.10	40.05	40.08	40.03	40.01	40.04	40.00	40.07
6.0	39.92	39.89	39.93	39.88	39.87	39.81	39.78	39.78	39.79	39.85
9.0	39.58	39.59	39.61	39.57	39.53	39.45	39.40	39.41	39.43	39.52
12.0	39.12	39.14	39.17	39.15	39.08	38.97	38.90	38.89	38.95	39.05
15.0	38.49	38.57	38.59	38.61	38.49	38.37	38.26	38.25	38.35	38.44
18.0	37.77	37.87	37.90	37.91	37.78	37.66	37.50	37.50	37.62	37.74
21.0	36.92	37.04	37.07	37.13	36.97	36.80	36.61	36.62	36.78	36.91
24.0	35.94	36.09	36.15	36.23	36.01	35.85	35.60	35.61	35.82	35.94
27.0	34.86	35.04	35.07	35.15	34.96	34.75	34.50	34.52	34.74	34.90
30.0	33.66	33.83	33.90	34.05	33.79	33.55	33.29	33.30	33.57	33.72
33.0	32.36	32.58	32.64	32.78	32.52	32.29	32.00	31.99	32.30	32.45
36.0	30.96	31.20	31.27	31.44	31.17	30.90	30.60	30.62	30.93	31.10
39.0	29.47	29.71	29.80	30.03	29.73	29.45	29.13	29.14	29.48	29.65
42.0	27.89	28.19	28.29	28.50	28.19	27.89	27.58	27.58	27.94	28.11
45.0	26.27	26.54	26.69	26.90	26.60	26.37	25.96	25.99	26.34	26.53
48.0	24.55	24.82	24.95	25.28	24.93	24.66	24.29	24.31	24.67	24.85
51.0	22.76	23.08	23.22	23.55	23.20	22.95	22.56	22.57	22.95	23.12
54.0	20.93	21.29	21.40	21.77	21.42	21.13	20.79	20.81	21.17	21.36
57.0	19.05	19.42	19.55	19.96	19.59	19.36	18.98	18.98	19.36	19.52
60.0	17.13	17.54	17.65	18.07	17.72	17.46	17.13	17.11	17.48	17.59
63.0	15.19	15.55	15.69	16.14	15.81	15.56	15.24	15.26	15.59	15.72
66.0	13.21	13.58	13.72	14.21	13.88	13.67	13.36	13.35	13.67	13.77
69.0	11.22	11.58	11.73	12.21	11.92	11.77	11.45	11.41	11.74	11.80
72.0	9.256	9.538	9.733	10.21	9.979	9.809	9.531	9.530	9.793	9.872
75.0	7.320	7.639	7.752	8.233	8.034	7.906	7.653	7.625	7.884	7.936
78.0	5.480	5.740	5.847	6.312	6.133	6.051	5.813	5.780	6.024	6.046
81.0	3.810	4.006	4.067	4.488	4.323	4.287	4.059	4.025	4.220	4.236
84.0	2.373	2.499	2.499	2.810	2.685	2.629	2.452	2.442	2.592	2.623
87.0	1.280	1.334	1.311	1.490	1.416	1.435	1.259	1.269	1.319	1.360
90.0	0.5949	0.6071	0.6849	0.8707	0.8556	0.7931	0.5765	0.6797	0.7229	0.8547
93.0	0.3622	0.5172	0.6083	0.8468	0.7389	0.5875	0.2757	0.4327	0.6233	0.8343
96.0	0.3607	0.4272	0.6083	0.8228	0.7248	0.5426	0.2039	0.3519	0.6282	0.8092
99.0	0.3592	0.4423	0.6082	0.7988	0.7211	0.5177	0.1861	0.3528	0.6282	0.7790
102.0	0.3578	0.4524	0.6081	0.7749	0.7187	0.5277	0.2062	0.3543	0.6282	0.7589
105.0	0.3618	0.4674	0.6106	0.7659	0.7137	0.5378	0.2262	0.3558	0.6282	0.7389
108.0	0.3619	0.4825	0.6123	0.7597	0.7096	0.5468	0.2464	0.3602	0.6282	0.7187
111.0	0.3719	0.4926	0.6136	0.7593	0.7060	0.5575	0.2714	0.3660	0.6282	0.7137
114.0	0.3870	0.5076	0.6148	0.7589	0.7015	0.5653	0.2866	0.3719	0.6282	0.6986
117.0	0.4370	0.5227	0.6161	0.7438	0.6981	0.5730	0.3017	0.3769	0.6282	0.6926
120.0	0.4423	0.5328	0.6173	0.7287	0.6948	0.5805	0.3317	0.3969	0.6282	0.6835
123.0	0.4524	0.5478	0.6231	0.7187	0.6917	0.5880	0.3469	0.4370	0.6282	0.6835
126.0	0.4624	0.5579	0.6282	0.7136	0.6899	0.5955	0.3671	0.4471	0.6282	0.6756
129.0	0.4724	0.5729	0.6411	0.7036	0.6888	0.6030	0.3971	0.4558	0.6282	0.6713
132.0	0.5024	0.5830	0.6540	0.7036	0.6847	0.6182	0.4172	0.4616	0.6299	0.6716
135.0	0.5101	0.5981	0.6684	0.7036	0.6791	0.6203	0.4373	0.4674	0.6350	0.6719
138.0	0.5176	0.6131	0.6791	0.7036	0.6734	0.6268	0.4575	0.4825	0.6393	0.6722
141.0	0.5326	0.6231	0.6811	0.7036	0.6734	0.6332	0.4776	0.5225	0.6427	0.6725
144.0	0.5427	0.6283	0.6831	0.7036	0.6734	0.6362	0.5026	0.5234	0.6471	0.6728
147.0	0.5578	0.6333	0.6852	0.7036	0.6734	0.6405	0.5278	0.5320	0.6518	0.6731
150.0	0.5880	0.6433	0.6872	0.7036	0.6734	0.6482	0.5429	0.5427	0.6568	0.6733
153.0	0.6001	0.6533	0.6896	0.7036	0.6734	0.6483	0.5730	0.5528	0.6617	0.6733
156.0	0.6091	0.6614	0.6920	0.7036	0.6734	0.6584	0.5881	0.5829	0.6685	0.6733
159.0	0.6166	0.6704	0.6922	0.7036	0.6734	0.6735	0.6082	0.6092	0.6745	0.6733
162.0	0.6232	0.6760	0.6924	0.7036	0.6734	0.6785	0.6332	0.6125	0.6779	0.6733
165.0	0.6382	0.6835	0.6926	0.7036	0.6734	0.6885	0.6434	0.6159	0.6820	0.6734
168.0	0.6533	0.6886	0.6929	0.7036	0.6734	0.6910	0.6635	0.6203	0.6859	0.6734
171.0	0.6699	0.6950	0.6931	0.7023	0.6734	0.6936	0.6834	0.6282	0.6935	0.6734
174.0	0.6742	0.7015	0.6933	0.7005	0.6785	0.6961	0.6825	0.6372	0.6936	0.6734
177.0	0.6785	0.7036	0.6936	0.6986	0.6785	0.6986	0.6885	0.6682	0.6986	0.6734
180.0	0.6835	0.7036	0.6936	0.6936	0.6936	0.6986	0.6885	0.6885	0.6986	0.6885
G/C	300.0	330.0								
0.0	40.10	40.11								
3.0	40.04	40.11								
6.0	39.84	39.92								
9.0	39.53	39.59								
12.0	39.07	39.11								
15.0	38.50	38.49								
18.0	37.79	37.77								
21.0	36.97	36.91								
24.0	36.03	35.91								
27.0	34.95	34.86								
30.0	33.78	33.62								

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]

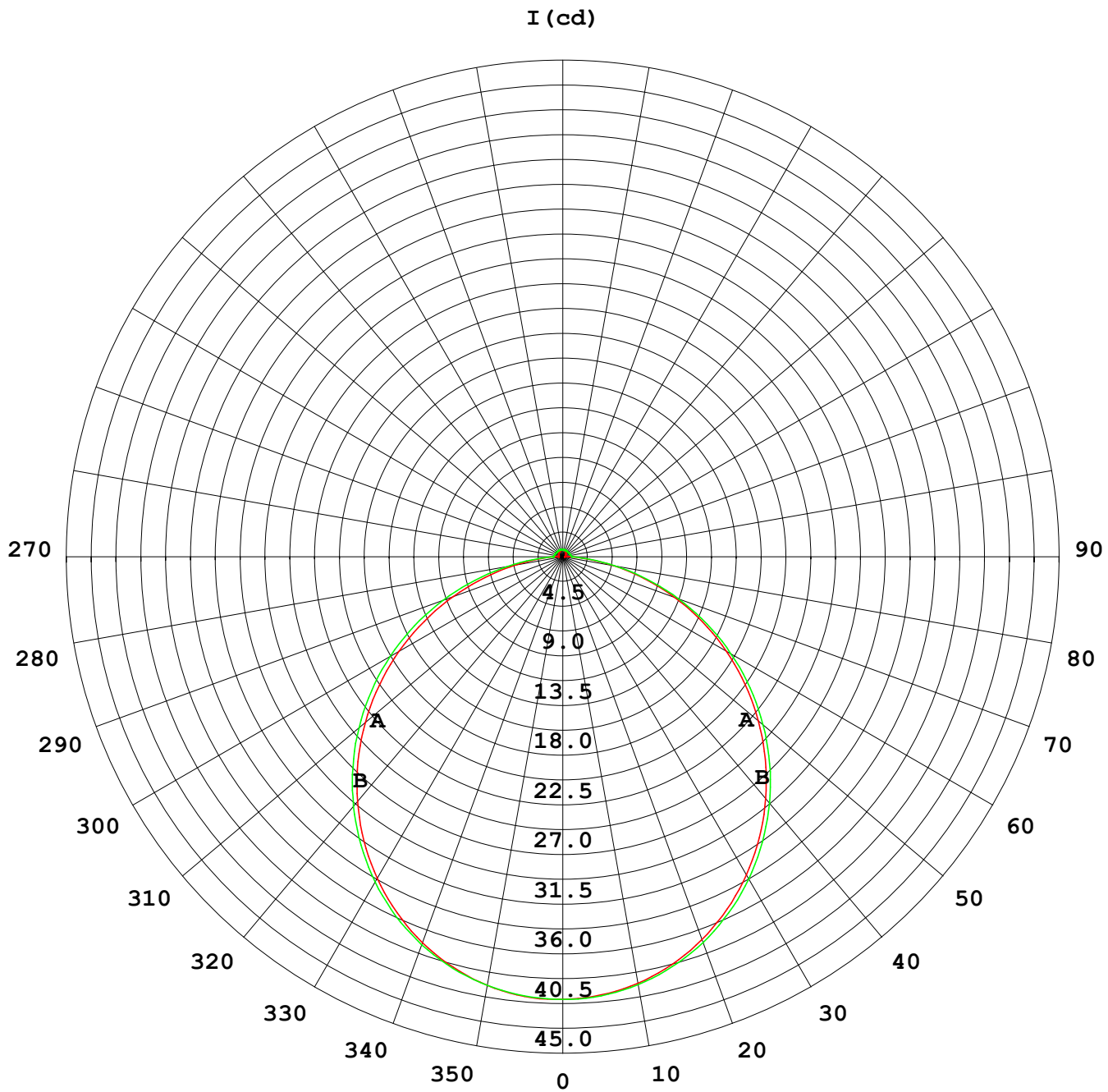
备注:

### Photometric Data Table [cd]

33.0	32.50	32.35
36.0	31.13	30.94
39.0	29.68	29.45
42.0	28.14	27.93
45.0	26.52	26.24
48.0	24.83	24.54
51.0	23.08	22.78
54.0	21.27	20.96
57.0	19.42	19.02
60.0	17.51	17.16
63.0	15.57	15.19
66.0	13.61	13.18
69.0	11.64	11.26
72.0	9.636	9.278
75.0	7.688	7.288
78.0	5.808	5.453
81.0	4.034	3.793
84.0	2.457	2.271
87.0	1.258	1.164
90.0	0.5977	0.4888
93.0	0.5654	0.2917
96.0	0.5730	0.2892
99.0	0.5781	0.2931
102.0	0.5884	0.2971
105.0	0.5890	0.3011
108.0	0.5897	0.3051
111.0	0.5903	0.3066
114.0	0.5910	0.3166
117.0	0.5916	0.3517
120.0	0.5922	0.3618
123.0	0.5929	0.3618
126.0	0.5963	0.3769
129.0	0.5998	0.3920
132.0	0.6032	0.4221
135.0	0.6191	0.4388
138.0	0.6222	0.4489
141.0	0.6233	0.4623
144.0	0.6322	0.4774
147.0	0.6383	0.5126
150.0	0.6434	0.5227
153.0	0.6553	0.5302
156.0	0.6592	0.5427
159.0	0.6637	0.5579
162.0	0.6684	0.6029
165.0	0.6734	0.6080
168.0	0.6786	0.6101
171.0	0.6845	0.6162
174.0	0.6886	0.6282
177.0	0.6986	0.6382
180.0	0.7036	0.6785

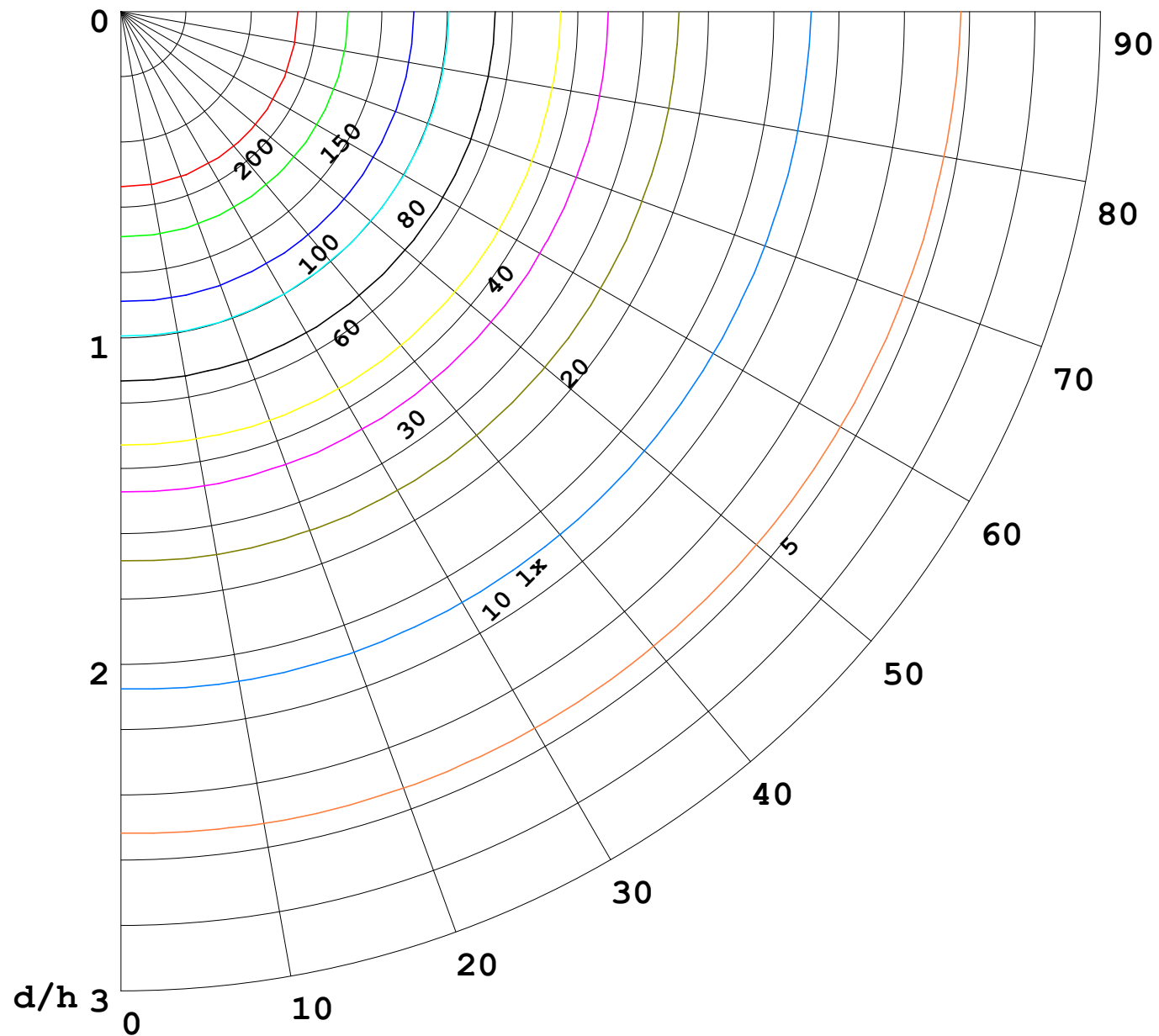
C角度范围: 0度 - 360度  
C角度间隔: 30.0度  
测试速度: 快速  
环境温度: 25.3℃  
测试人员: HXJ  
测试日期: 2022-05-12

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:



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

