

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(45-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210403006

电流(A): 2.0470

光源规格型号: OL

功率(W): 49.2000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4951.12

灯具效能(lm/w): 100.63

中心光强(cd): 6529.602

最大光强(cd): 6581.017

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=43.0

[C90/270]Total=42.8

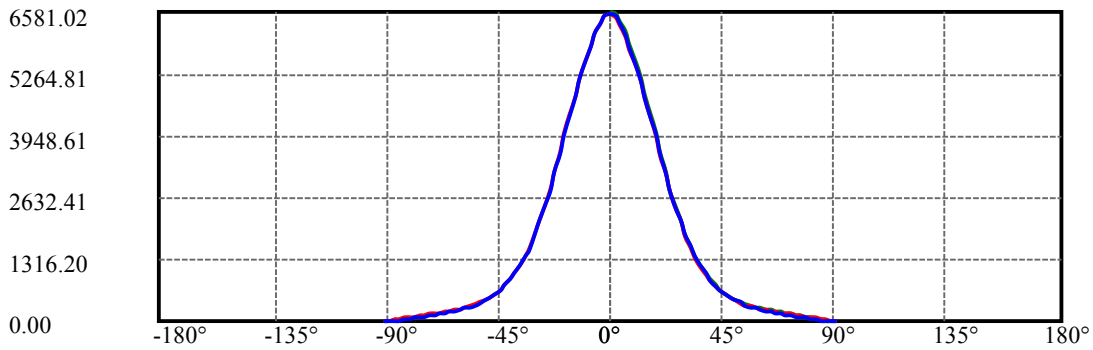
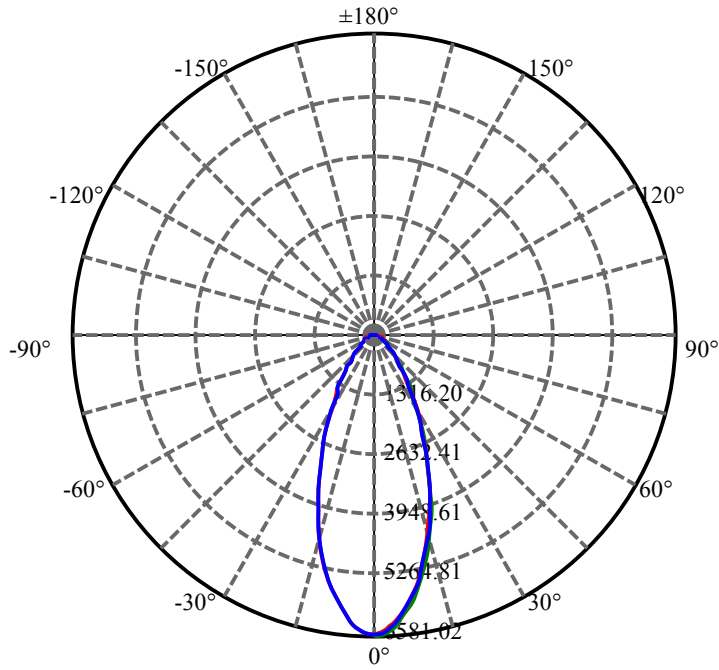
光束扩散角(10%Imax): [C0/180]Total=87.8

[C90/270]Total=88.0

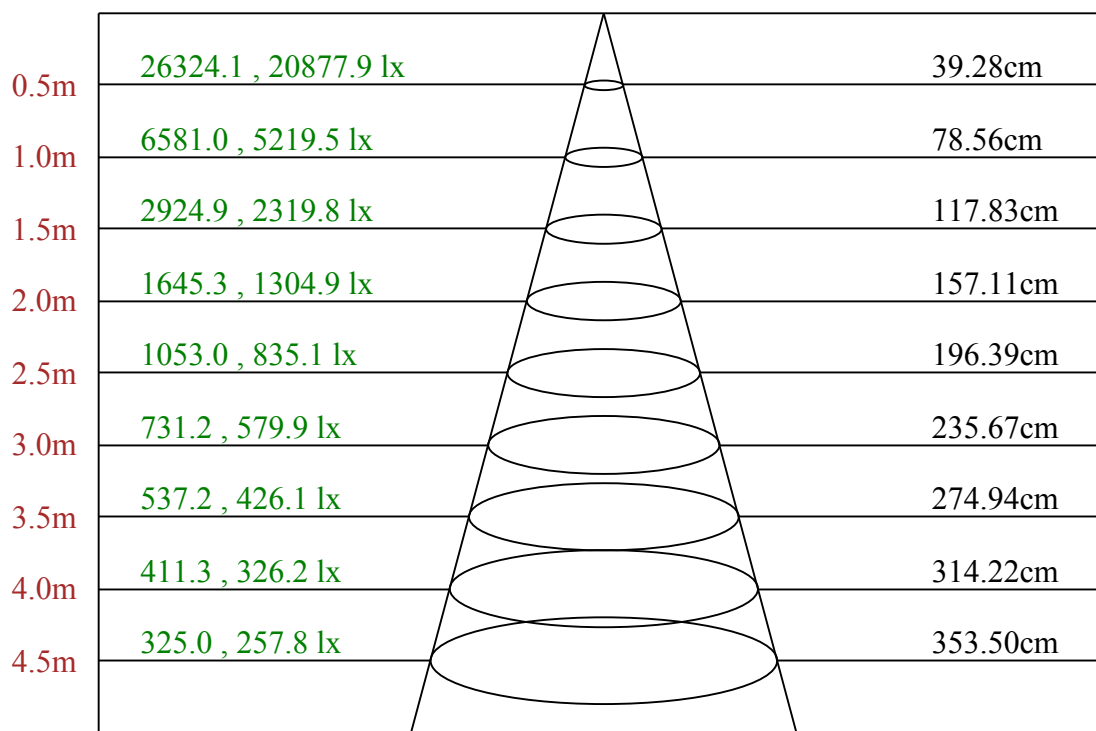
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

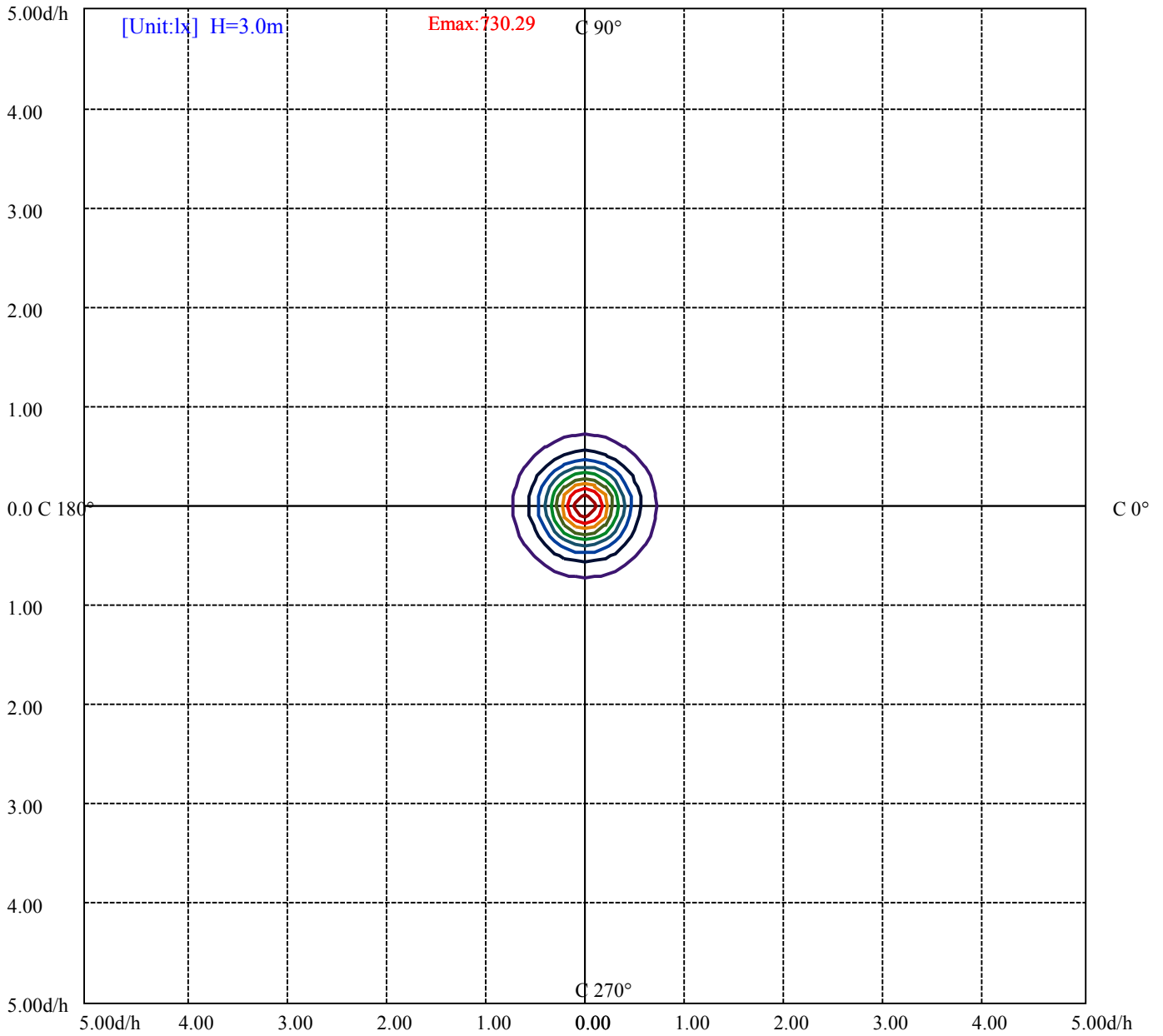


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角42.89

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平面等照度曲线



(10%Emax) 73.02856	——
(20%Emax) 146.0567	——
(30%Emax) 219.0856	——
(40%Emax) 292.1144	——
(50%Emax) 365.1422	——
(60%Emax) 438.1711	——
(70%Emax) 511.2	——
(80%Emax) 584.2289	——
(90%Emax) 657.2567	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

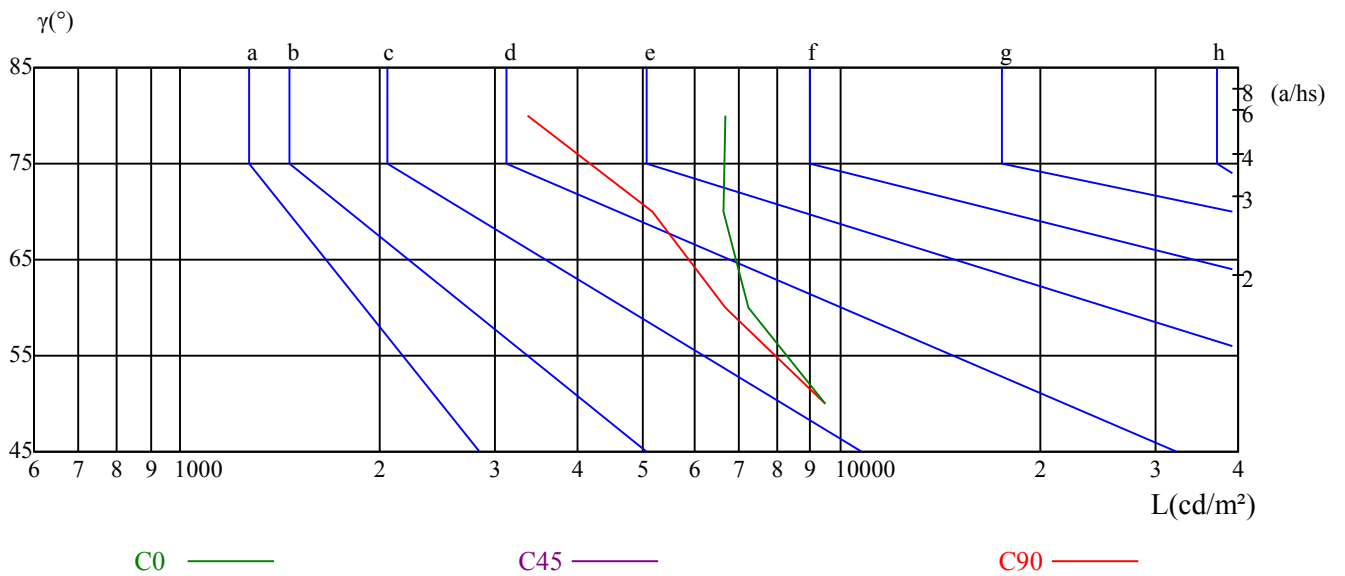
γ	45	50	55	60	65	70	75	80	85
C0	0	9475	0	7231	0	6665	0	6672	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9458	0	6689	0	5184	0	3346	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
0	0	0	0	0	0	0	0	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

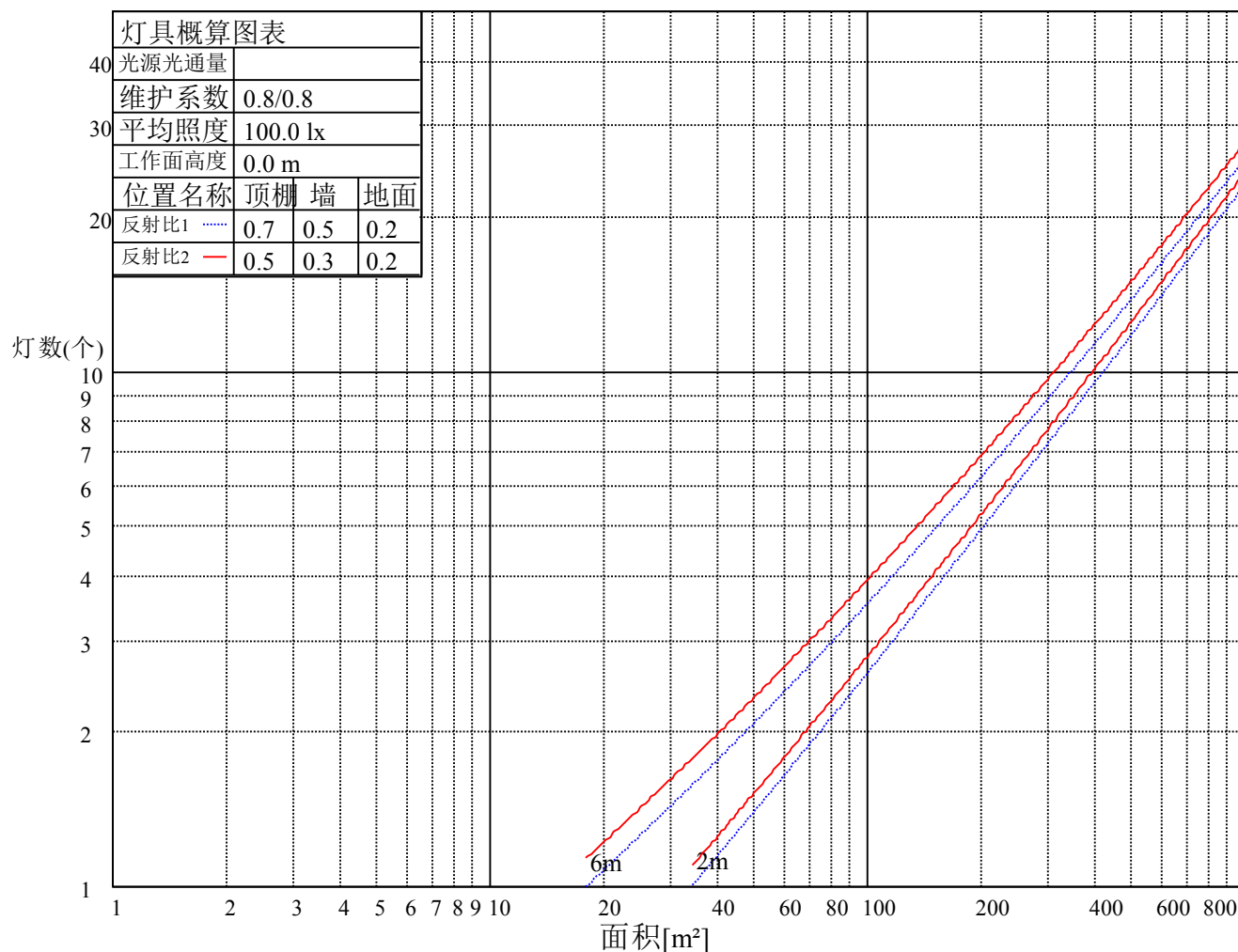
亮度限制曲线



参照UGR的照射评估											
天花板反射率	70	70	50	50	30	70	70	50	50	30	
墙壁反射率	50	30	50	30	30	50	30	50	30	30	
地板反射率	20	20	20	20	20	20	20	20	20	20	
空间尺寸	Viewed crosswise					Viewed endwise					
X	Y										
2H	2H	10.47	11.68	10.84	11.99	12.31	10.87	12.08	11.24	12.39	12.70
	3H	11.75	12.82	12.13	13.15	13.51	12.50	13.57	12.88	13.90	14.26
	4H	12.21	13.20	12.61	13.55	13.94	13.17	14.17	13.58	14.52	14.90
	6H	12.45	13.37	12.87	13.74	14.13	13.73	14.64	14.14	15.01	15.41
	8H	12.49	13.36	12.92	13.75	14.16	13.93	14.79	14.36	15.18	15.59
	12H	12.54	13.37	12.97	13.75	14.18	14.19	15.02	14.62	15.40	15.83
4H	2H	11.00	12.00	11.41	12.35	12.74	11.32	12.32	11.73	12.67	13.06
	3H	12.48	13.30	12.89	13.71	14.11	13.22	14.04	13.63	14.45	14.85
	4H	13.04	13.77	13.47	14.19	14.64	14.02	14.76	14.46	15.18	15.62
	6H	13.31	13.95	13.78	14.39	14.86	14.58	15.21	15.05	15.66	16.13
	8H	13.38	13.97	13.85	14.42	14.89	14.83	15.42	15.30	15.87	16.34
	12H	13.43	13.95	13.92	14.43	14.91	15.10	15.62	15.59	16.10	16.58
8H	4H	13.31	13.90	13.79	14.35	14.82	14.19	14.78	14.66	15.23	15.70
	6H	13.69	14.17	14.20	14.67	15.15	14.86	15.34	15.37	15.84	16.32
	8H	13.80	14.23	14.33	14.75	15.24	15.18	15.60	15.70	16.12	16.61
	12H	14.41	14.79	14.93	15.28	15.86	15.92	16.29	16.44	16.79	17.36
12H	4H	13.33	13.85	13.82	14.33	14.81	14.17	14.69	14.66	15.17	15.65
	6H	14.23	14.16	14.27	14.63	15.18	15.36	15.29	15.40	15.76	16.31
	8H	13.89	14.26	14.40	14.75	15.33	15.21	15.58	15.73	16.08	16.65
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.0					0.6/-0.8					
S = 1.5H	1.6/-1.4					1.2/-1.1					
S = 2.0H	3.3/-1.7					2.4/-1.2					
标准表格	BK3					BK3					
更正系数	1.9					2.7					

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灯具的概算曲线



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灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.86	0.84	0.82
3	0.92	0.86	0.81	0.90	0.85	0.81	0.88	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.75
4	0.85	0.79	0.74	0.84	0.78	0.73	0.82	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.69
5	0.79	0.72	0.68	0.78	0.72	0.67	0.76	0.71	0.67	0.74	0.70	0.66	0.73	0.69	0.65	0.64
6	0.74	0.67	0.62	0.73	0.67	0.62	0.71	0.66	0.62	0.70	0.65	0.61	0.68	0.64	0.61	0.59
7	0.69	0.62	0.58	0.68	0.62	0.58	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.55
8	0.65	0.58	0.54	0.64	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.53	0.61	0.57	0.53	0.52
9	0.61	0.55	0.51	0.61	0.55	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.48
10	0.58	0.52	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.46

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	6529.60	6460.54	6302.46	6060.74	5779.88	5467.55	5090.77	4728.57	4317.26
30.0	6581.02	6533.44	6383.80	6162.03	5899.59	5568.08	5198.21	4825.26	4407.81
60.0	6564.13	6484.33	6310.90	6087.59	5797.53	5475.23	5090.01	4707.85	4291.17
90.0	6551.09	6485.09	6323.95	6076.08	5807.50	5476.76	5111.49	4746.22	4340.28
120.0	6538.04	6463.61	6290.18	6060.74	5773.74	5455.28	5090.77	4713.22	4302.68
150.0	6531.90	6485.86	6336.22	6131.33	5866.59	5542.76	5199.74	4812.21	4423.16
180.0	6529.60	6487.40	6327.02	6114.45	5832.06	5523.57	5169.04	4783.05	4397.06
210.0	6581.02	6521.93	6360.78	6145.15	5859.68	5519.74	5149.09	4764.64	4339.51
240.0	6564.13	6531.14	6392.24	6178.14	5909.56	5598.01	5231.97	4859.79	4438.50
270.0	6551.09	6499.67	6340.83	6114.45	5845.87	5514.36	5156.00	4766.94	4380.95
300.0	6538.04	6493.54	6345.43	6142.84	5877.33	5572.68	5193.60	4827.56	4411.64
330.0	6531.90	6454.40	6292.48	6069.18	5802.90	5474.46	5114.56	4740.08	4323.40
360.0	6529.60	6460.54	6302.46	6060.74	5779.88	5467.55	5090.77	4728.57	4317.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3928.97	3526.09	3142.40	2765.62	2418.00	2110.28	1811.77	1573.12	1345.21
30.0	4004.17	3589.02	3180.77	2799.39	2448.70	2144.05	1856.28	1613.79	1388.18
60.0	3895.97	3479.28	3077.95	2724.95	2361.22	2064.24	1787.22	1523.24	1338.84
90.0	3951.99	3543.74	3141.64	2781.74	2431.81	2117.19	1841.70	1598.44	1369.77
120.0	3895.97	3486.19	3088.69	2737.23	2389.61	2088.03	1805.64	1527.31	1342.60
150.0	3984.22	3593.62	3189.98	2827.78	2474.02	2152.49	1876.23	1616.86	1389.72
180.0	3991.89	3579.81	3177.70	2820.87	2464.81	2141.75	1867.03	1565.45	1387.57
210.0	3921.29	3522.26	3114.01	2757.18	2408.03	2089.56	1811.01	1528.92	1356.64
240.0	4017.21	3602.06	3209.17	2826.25	2474.79	2162.47	1873.16	1617.63	1385.11
270.0	3973.47	3556.02	3170.80	2793.25	2455.60	2121.79	1860.12	1523.24	1387.42
300.0	4016.45	3608.97	3198.42	2836.99	2485.53	2154.02	1867.03	1623.77	1389.72
330.0	3910.55	3492.33	3111.71	2739.53	2388.07	2088.03	1809.47	1526.85	1353.50
360.0	3928.97	3526.09	3142.40	2765.62	2418.00	2110.28	1811.77	1573.12	1345.21
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1164.11	1000.66	854.86	742.82	637.69	556.35	487.28	432.80	387.52
30.0	1192.50	1022.91	886.32	763.54	660.71	578.60	508.00	451.22	399.80
60.0	1159.27	994.44	853.32	736.22	637.31	558.27	488.82	430.73	384.15
90.0	1184.06	1016.77	874.04	752.03	649.20	567.09	491.89	432.03	389.06
120.0	1161.65	995.06	853.02	740.52	640.61	556.19	486.21	430.80	381.08
150.0	1192.50	1029.82	883.25	759.70	660.71	574.00	504.17	443.54	397.50
180.0	1200.33	1028.36	880.95	763.39	658.56	570.47	497.80	440.55	390.29
210.0	1168.02	1007.87	864.99	747.65	645.75	566.86	498.95	440.47	395.66
240.0	1200.18	1031.35	880.95	765.84	661.48	577.07	502.63	445.08	390.59
270.0	1195.03	1023.91	886.40	765.46	658.72	570.47	500.41	434.64	383.92
300.0	1195.57	1034.42	883.25	762.77	659.94	574.76	502.63	445.85	392.13
330.0	1164.80	997.36	862.53	744.82	643.60	560.72	496.49	438.25	393.51
360.0	1164.11	1000.66	854.86	742.82	637.69	556.35	487.28	432.80	387.52
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	346.55	312.55	282.24	256.92	234.13	214.40	195.91	179.34	161.99
30.0	363.66	329.66	301.89	276.03	252.62	231.90	211.34	191.38	171.51
60.0	343.09	307.18	276.41	248.32	224.99	200.90	180.72	160.07	138.13
90.0	337.49	297.51	266.59	237.66	212.41	190.85	168.90	147.34	126.00
120.0	341.71	305.42	272.80	245.10	221.93	199.21	178.26	158.85	137.28
150.0	358.75	326.06	296.82	271.04	248.71	227.22	206.88	187.55	169.28
180.0	348.62	315.39	284.77	258.45	235.28	215.33	196.45	179.72	162.91
210.0	356.75	324.52	294.60	271.19	247.94	227.60	207.88	187.70	169.21
240.0	352.84	316.39	282.70	255.54	230.14	206.42	185.09	165.22	143.27
270.0	339.03	299.58	267.05	239.88	213.64	190.62	169.74	146.26	125.77
300.0	351.77	315.16	282.93	254.39	228.91	206.35	184.55	163.30	141.27
330.0	355.14	321.22	294.44	270.12	247.02	225.69	206.73	186.63	167.13
360.0	346.55	312.55	282.24	256.92	234.13	214.40	195.91	179.34	161.99

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光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	145.57	129.46	114.49	98.76	82.34	65.61	48.19	27.78	7.60
30.0	152.17	131.22	110.50	88.86	67.22	50.65	31.08	10.36	4.83
60.0	116.33	96.84	84.72	67.45	48.88	24.71	17.19	10.28	6.37
90.0	108.89	97.53	81.50	65.23	41.28	26.24	17.73	12.28	7.06
120.0	115.72	95.54	83.41	66.99	48.27	24.94	17.11	10.21	6.52
150.0	149.79	130.53	109.35	88.17	66.92	50.19	31.31	10.59	4.76
180.0	146.49	130.53	115.03	99.99	83.95	67.99	50.80	32.00	11.66
210.0	149.02	127.31	106.20	86.25	63.77	47.81	28.62	9.82	4.83
240.0	121.94	100.60	86.48	71.06	54.48	27.78	19.03	10.82	7.60
270.0	108.28	96.54	80.04	64.15	39.60	26.17	18.26	12.74	7.21
300.0	119.71	98.45	85.41	70.21	52.57	27.47	18.57	10.74	7.21
330.0	148.18	126.77	104.90	83.80	62.85	46.27	26.17	9.21	4.76
360.0	145.57	129.46	114.49	98.76	82.34	65.61	48.19	27.78	7.60

C/γ(°)	90.0
0.0	0.46
30.0	0.69
60.0	0.38
90.0	0.31
120.0	0.38
150.0	1.15
180.0	0.61
210.0	0.46
240.0	0.77
270.0	0.38
300.0	0.46
330.0	0.38
360.0	0.46