

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(30-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210403005

电流(A): 2.0450

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): 5088.35

灯具效能(lm/w): 103.42

中心光强(cd): 14061.400

最大光强(cd): 14149.650

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=28.7

[C90/270]Total=28.2

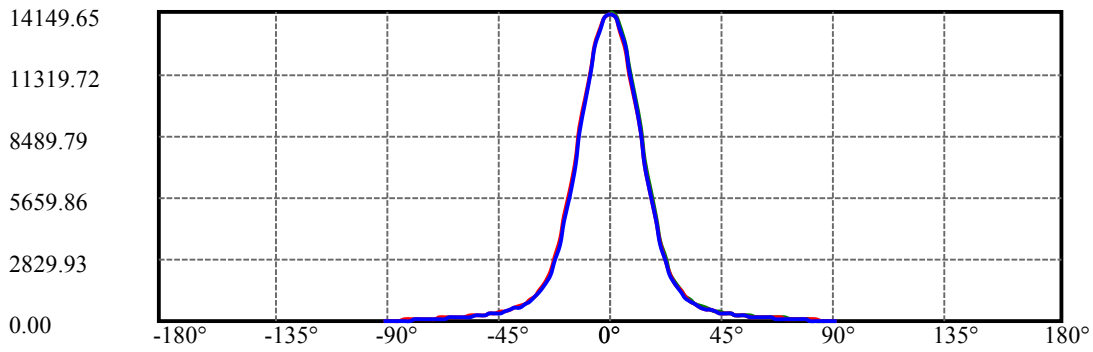
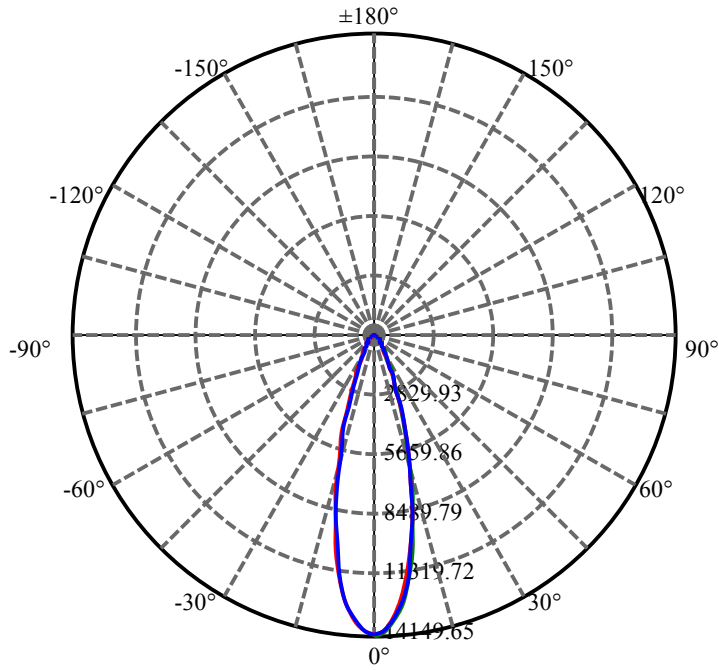
光束扩散角(10%Imax): [C0/180]Total=56.0

[C90/270]Total=55.1

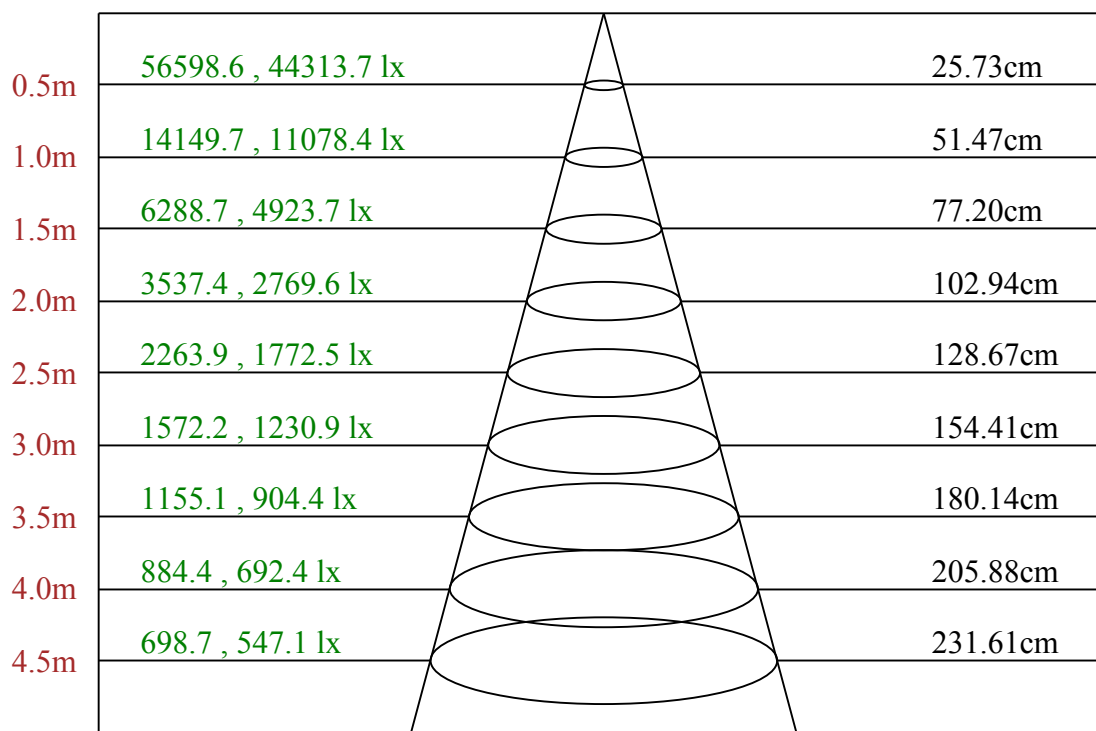
测试设备: GMS1800
环境温度(°C): 25.0

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

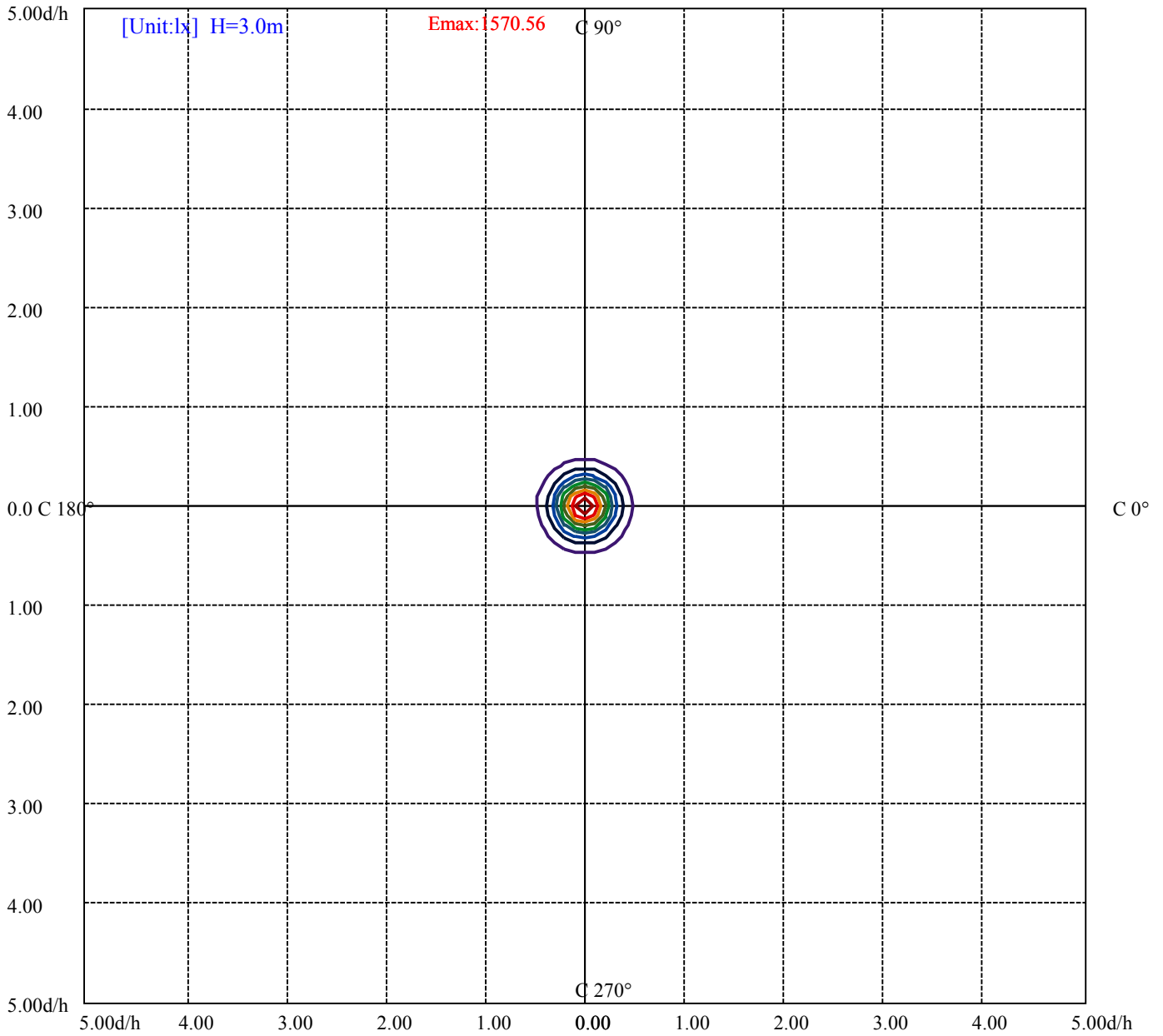


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角28.86

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平面等照度曲线



(10%Emax) 157.0556	——
(20%Emax) 314.1122	——
(30%Emax) 471.1678	——
(40%Emax) 628.2244	——
(50%Emax) 785.28	——
(60%Emax) 942.3367	——
(70%Emax) 1099.392	——
(80%Emax) 1256.444	——
(90%Emax) 1413.5	——

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测试人员: anpeilou
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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

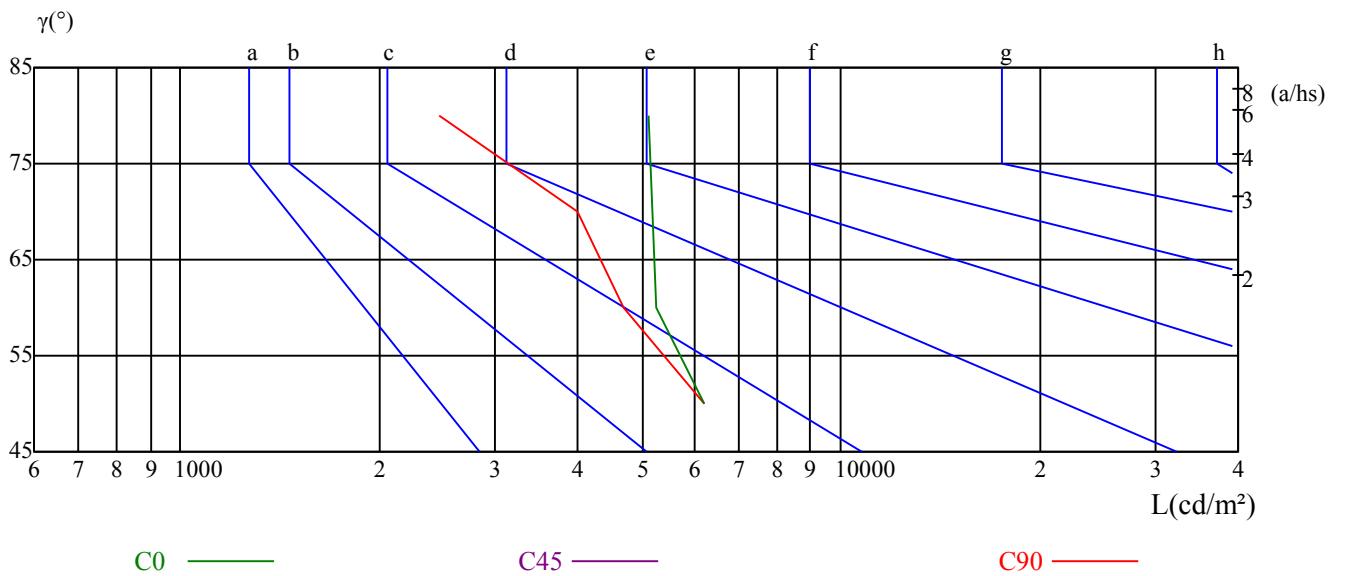
γ	45	50	55	60	65	70	75	80	85
C0	0	6204	0	5252	0	5187	0	5118	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6212	0	4678	0	3981	0	2469	0

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

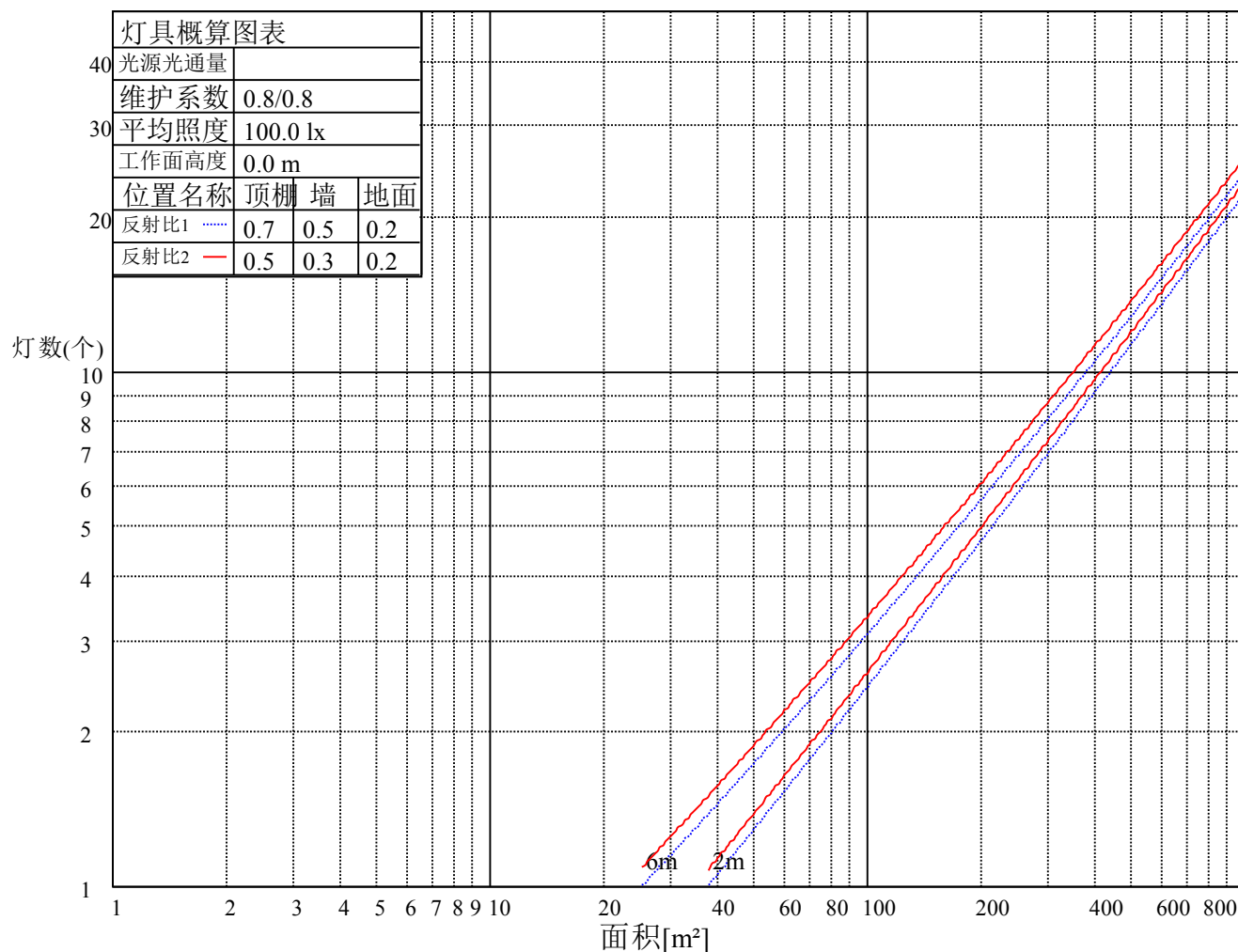
亮度限制曲线



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	8.05	9.15	8.42	9.46	9.78	8.48	9.58	8.85	9.89	10.21
	3H	9.42	10.40	9.80	10.73	11.10	10.32	11.29	10.70	11.63	11.99
	4H	9.97	10.87	10.38	11.23	11.61	11.09	11.99	11.49	12.34	12.73
	6H	10.23	11.06	10.65	11.44	11.83	11.68	12.51	12.10	12.88	13.28
	8H	10.27	11.06	10.71	11.45	11.86	11.88	12.67	12.32	13.06	13.47
	12H	10.33	11.07	10.76	11.46	11.89	12.13	12.88	12.57	13.26	13.69
4H	2H	8.62	9.52	9.02	9.87	10.26	8.95	9.86	9.36	10.21	10.60
	3H	10.18	10.93	10.60	11.33	11.74	11.08	11.83	11.50	12.23	12.64
	4H	10.82	11.49	11.26	11.91	12.36	11.97	12.63	12.40	13.05	13.50
	6H	11.12	11.69	11.58	12.14	12.61	12.55	13.12	13.02	13.57	14.05
	8H	11.18	11.71	11.65	12.16	12.63	12.80	13.33	13.27	13.78	14.25
	12H	11.23	11.70	11.72	12.18	12.66	13.05	13.51	13.54	14.00	14.47
8H	4H	11.12	11.65	11.60	12.10	12.58	12.13	12.66	12.60	13.11	13.58
	6H	11.51	11.94	12.02	12.44	12.92	12.83	13.25	13.34	13.76	14.24
	8H	11.62	12.00	12.15	12.52	13.01	13.14	13.52	13.67	14.04	14.53
	12H	12.21	12.53	12.73	13.03	13.61	13.85	14.18	14.37	14.68	15.26
12H	4H	11.14	11.60	11.63	12.09	12.56	12.10	12.57	12.59	13.05	13.53
	6H	11.93	11.94	12.09	12.41	12.95	13.20	13.21	13.36	13.67	14.22
	8H	11.70	12.03	12.22	12.53	13.11	13.17	13.50	13.69	14.00	14.57
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					0.4/-0.6					
S = 1.5H	1.0/-1.1					0.9/-0.9					
S = 2.0H	2.5/-1.3					1.6/-1.0					
标准表格	BK3					BK3					
更正系数	-0.8					0.1					

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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	1.10	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.95	1.01	0.97	0.94	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.87
3	0.96	0.91	0.88	0.95	0.91	0.87	0.92	0.89	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.81
4	0.91	0.85	0.81	0.90	0.85	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.80	0.76	0.85	0.80	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.80	0.77	0.74	0.73
6	0.82	0.76	0.72	0.81	0.76	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
7	0.78	0.72	0.68	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.66
8	0.74	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.68	0.64	0.71	0.67	0.64	0.63
9	0.71	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
10	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.67	0.62	0.59	0.66	0.62	0.59	0.58

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光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	14061.40	13854.21	13283.28	12404.63	11286.57	10014.26	8580.80	7144.27	5818.24
30.0	14149.65	14007.68	13495.84	12660.17	11574.33	10318.14	8867.03	7396.74	6043.85
60.0	14120.49	13877.23	13274.84	12435.33	11268.15	9889.17	8511.73	7038.37	5713.11
90.0	14101.30	13928.64	13386.87	12536.62	11459.99	10093.30	8609.19	7131.23	5785.25
120.0	14079.81	13854.21	13275.60	12459.12	11299.61	9916.03	8537.06	7066.77	5751.48
150.0	14066.00	13941.69	13458.24	12662.47	11590.45	10331.18	8883.14	7494.96	6077.62
180.0	14061.40	13914.06	13436.75	12640.22	11547.47	10222.22	8872.40	7409.78	6013.16
210.0	14149.65	13936.32	13397.62	12536.62	11380.19	10066.44	8613.03	7128.16	5734.60
240.0	14120.49	13987.73	13514.26	12702.37	11671.79	10319.67	8855.52	7394.44	6032.34
270.0	14101.30	13916.36	13391.48	12551.97	11392.46	9998.91	8601.52	7105.13	5693.16
300.0	14079.81	13925.57	13433.68	12612.59	11574.33	10226.82	8765.74	7307.72	5958.67
330.0	14066.00	13824.28	13229.56	12390.05	11242.83	9948.26	8444.97	7039.91	5647.89
360.0	14061.40	13854.21	13283.28	12404.63	11286.57	10014.26	8580.80	7144.27	5818.24
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4595.05	3625.08	2743.37	2158.63	1698.97	1365.16	1108.86	916.25	771.98
30.0	4769.24	3711.80	2895.31	2236.90	1751.92	1392.79	1139.55	936.97	789.63
60.0	4452.32	3480.82	2673.54	2103.38	1583.86	1333.01	1099.65	910.65	766.30
90.0	4540.56	3559.09	2731.86	2111.82	1660.60	1327.56	1090.44	900.90	763.54
120.0	4492.99	3519.95	2706.54	2131.77	1675.95	1349.51	1112.00	919.24	772.59
150.0	4816.82	3806.18	2933.68	2269.90	1775.71	1426.55	1151.83	946.17	795.77
180.0	4840.61	3773.19	2909.12	2258.39	1785.68	1426.48	1167.87	959.68	800.30
210.0	4587.37	3554.49	2771.76	2156.33	1689.76	1356.57	1115.99	917.47	768.99
240.0	4766.94	3713.33	2886.87	2234.60	1759.59	1400.46	1152.60	953.85	797.30
270.0	4539.03	3503.07	2691.96	2095.70	1667.51	1342.37	1106.56	913.10	767.22
300.0	4715.53	3676.50	2861.55	2218.48	1749.62	1409.67	1145.69	949.24	791.93
330.0	4507.57	3490.03	2684.28	2114.89	1593.84	1332.78	1086.76	902.82	756.63
360.0	4595.05	3625.08	2743.37	2158.63	1698.97	1365.16	1108.86	916.25	771.98
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	652.27	567.86	492.66	434.33	388.29	344.78	312.40	283.39	257.92
30.0	670.69	577.83	504.17	443.54	395.97	356.83	324.68	296.36	272.03
60.0	656.87	573.31	501.48	445.31	395.89	353.99	318.69	290.30	264.21
90.0	650.73	564.02	493.42	436.64	389.06	347.16	313.78	283.78	257.76
120.0	661.48	576.68	504.01	447.07	396.66	354.22	318.61	288.38	263.44
150.0	676.06	581.67	506.47	448.15	397.50	359.36	324.68	295.90	271.27
180.0	680.05	589.42	512.07	449.45	399.42	355.68	319.61	289.15	264.36
210.0	661.79	570.70	501.71	443.31	393.59	353.53	322.30	293.83	269.96
240.0	686.03	594.72	518.75	456.59	408.24	365.27	330.36	298.59	270.65
270.0	657.49	572.39	500.71	441.93	392.82	350.69	317.23	286.69	259.22
300.0	682.20	590.88	514.14	455.05	403.64	361.20	326.98	296.28	268.81
330.0	651.58	561.87	490.28	433.03	384.23	346.85	314.93	288.53	265.13
360.0	652.27	567.86	492.66	434.33	388.29	344.78	312.40	283.39	257.92
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	236.81	218.78	201.21	186.63	172.28	159.00	147.49	137.21	126.08
30.0	251.85	233.05	216.48	200.90	186.55	172.51	160.07	147.57	134.67
60.0	241.34	221.39	201.13	181.87	163.14	145.42	129.92	116.26	102.67
90.0	232.28	208.11	185.55	166.21	149.64	135.75	122.86	109.35	96.77
120.0	240.42	220.16	199.90	180.41	161.76	144.11	128.77	115.34	102.06
150.0	250.86	231.82	214.94	199.98	184.78	171.43	158.23	145.80	133.45
180.0	241.80	223.00	205.12	188.77	173.66	160.15	148.95	138.28	128.00
210.0	250.16	231.13	214.56	199.29	184.71	170.82	158.00	145.80	133.22
240.0	247.56	227.45	206.81	187.70	169.82	150.64	134.67	120.32	106.74
270.0	234.28	209.80	188.39	167.59	151.33	137.05	123.62	110.50	97.00
300.0	246.56	225.22	204.81	185.94	168.13	149.02	132.91	119.33	105.21
330.0	245.10	227.60	211.41	196.76	182.02	169.13	156.54	144.65	131.84
360.0	236.81	218.78	201.21	186.63	172.28	159.00	147.49	137.21	126.08

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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	114.72	103.14	90.09	77.04	63.16	50.03	35.38	19.03	5.68
30.0	120.63	105.28	82.57	65.69	50.72	37.75	23.40	8.06	3.76
60.0	87.25	73.74	64.54	53.18	34.61	19.26	13.74	8.13	5.06
90.0	85.18	78.04	65.53	50.34	30.46	20.95	14.66	9.82	5.91
120.0	86.87	73.28	64.08	52.80	35.22	19.34	13.89	8.06	5.22
150.0	120.63	105.05	82.34	66.22	50.80	37.99	24.25	8.06	3.76
180.0	116.56	104.75	92.16	79.58	65.84	52.41	38.06	22.33	8.44
210.0	119.71	101.98	80.65	64.61	48.88	36.14	21.56	7.52	3.84
240.0	92.24	77.66	67.91	56.10	41.28	20.72	14.73	8.36	5.68
270.0	85.79	77.66	65.38	49.19	28.55	20.87	14.20	9.98	5.68
300.0	90.32	75.51	66.45	54.87	39.21	19.95	14.43	8.44	5.60
330.0	117.95	100.91	78.89	62.77	46.81	34.99	19.64	7.06	3.61
360.0	114.72	103.14	90.09	77.04	63.16	50.03	35.38	19.03	5.68
C/γ(°)	90.0								
0.0	0.38								
30.0	0.54								
60.0	0.31								
90.0	0.23								
120.0	0.31								
150.0	0.84								
180.0	0.54								
210.0	0.38								
240.0	0.38								
270.0	0.23								
300.0	0.23								
330.0	0.38								
360.0	0.38								