

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3074A-72-UN (10-OL-72WN-AA, L650mm, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210331001

电流(A): 0.3640

光源规格型号: OL

功率(W): 78.8000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 72

镇流器型号:

发光面长度(mm): 590

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 7341.04

灯具效能(lm/w): 93.16

中心光强(cd): 71542.470

最大光强(cd): 72747.250

最大光强角度: C=60.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=11.0

[C90/270]Total=11.0

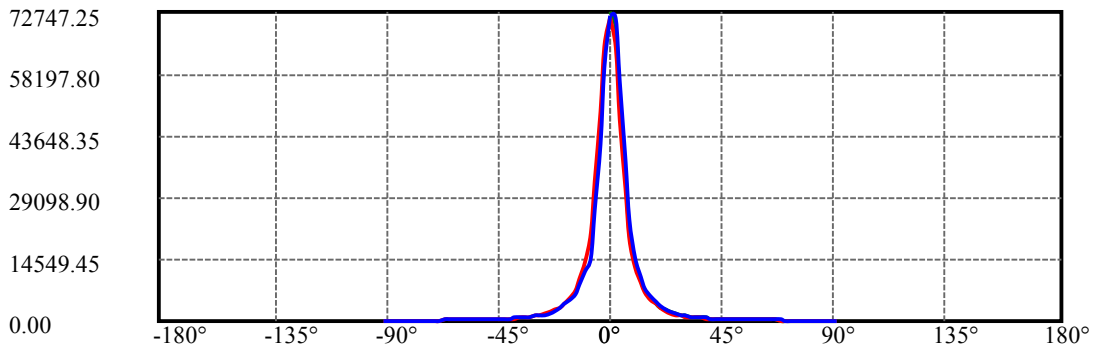
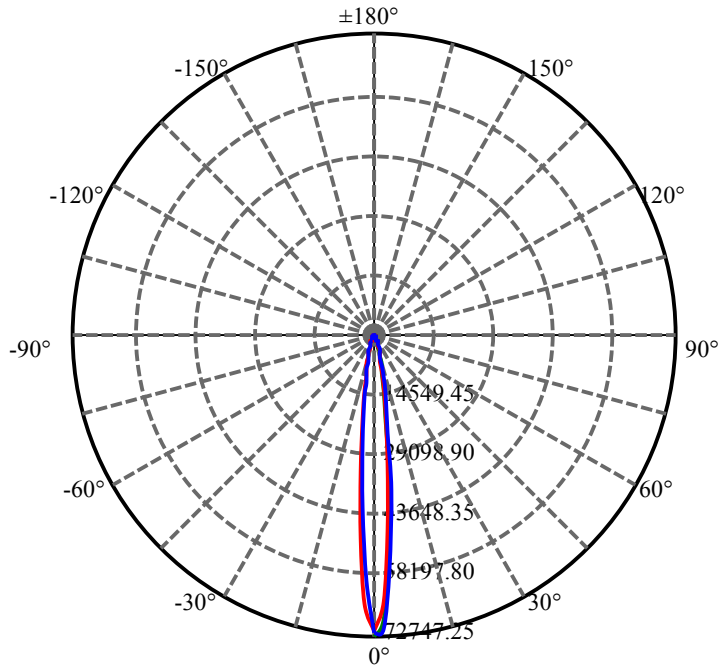
光束扩散角(10%Imax): [C0/180]Total=27.5

[C90/270]Total=27.7

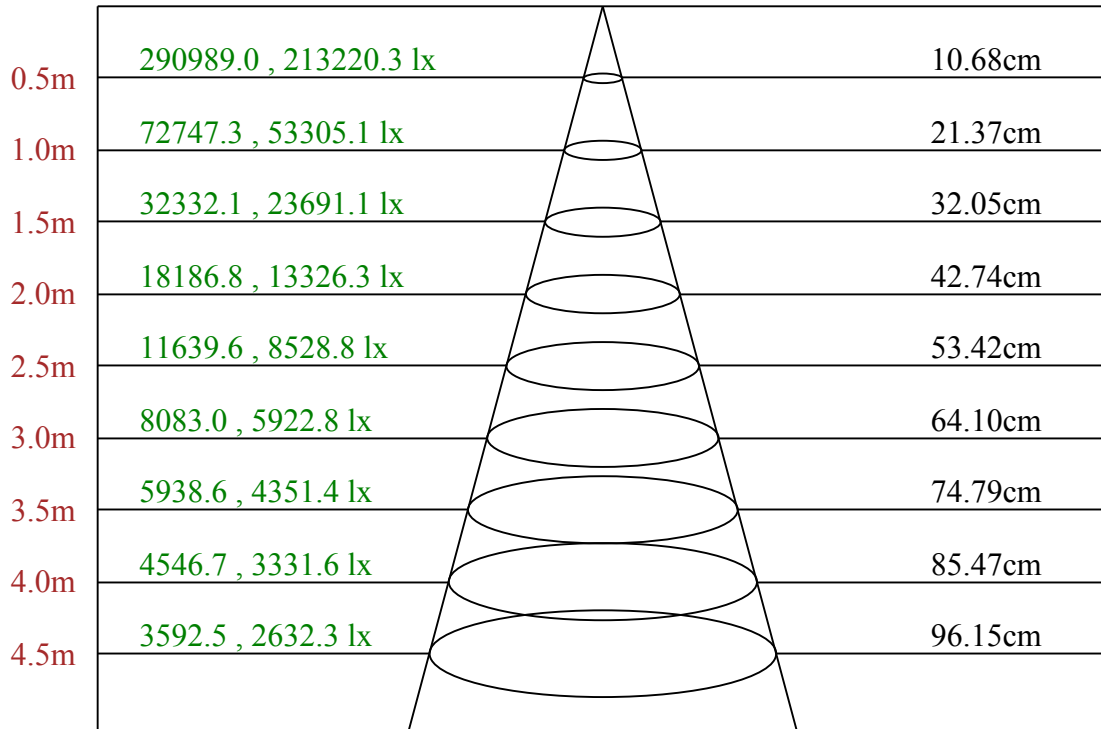
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/31
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

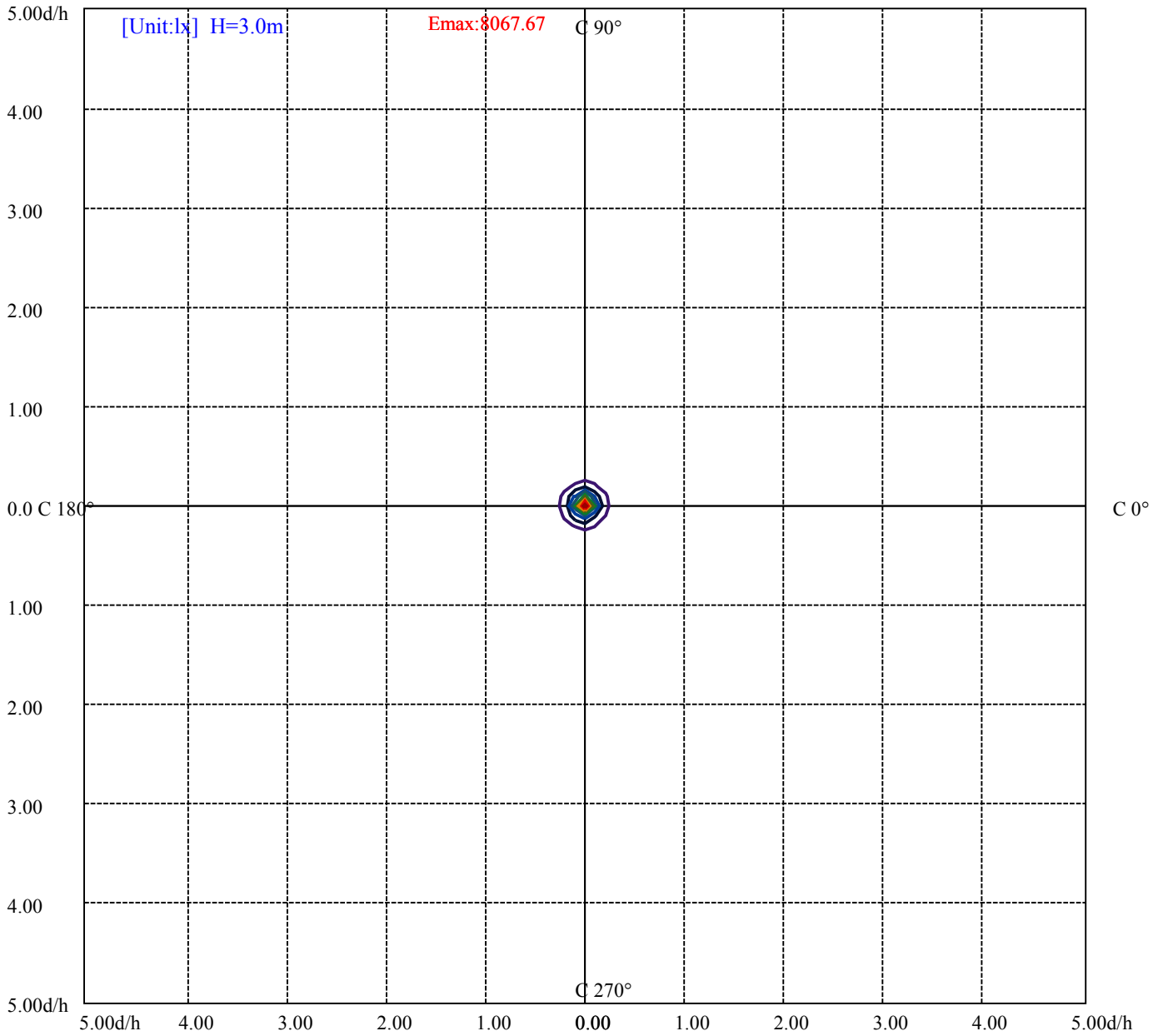


C60(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C60面光束角12.20

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平面等照度曲线



- (10%Emax) 806.7644
- (20%Emax) 1613.533
- (30%Emax) 2420.3
- (40%Emax) 3227.056
- (50%Emax) 4033.822
- (60%Emax) 4840.589
- (70%Emax) 5647.355
- (80%Emax) 6454.123
- (90%Emax) 7260.889

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

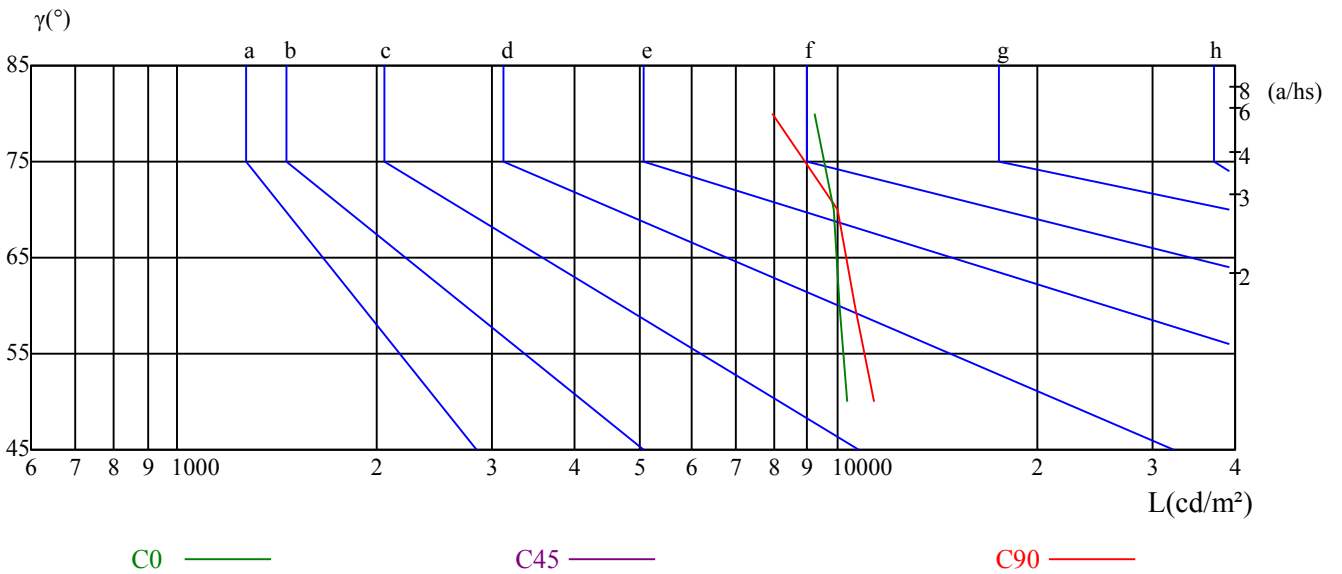
γ	45	50	55	60	65	70	75	80	85
C0	0	10373	0	10044	0	9850	0	9214	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11374	0	10635	0	9972	0	7977	0

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

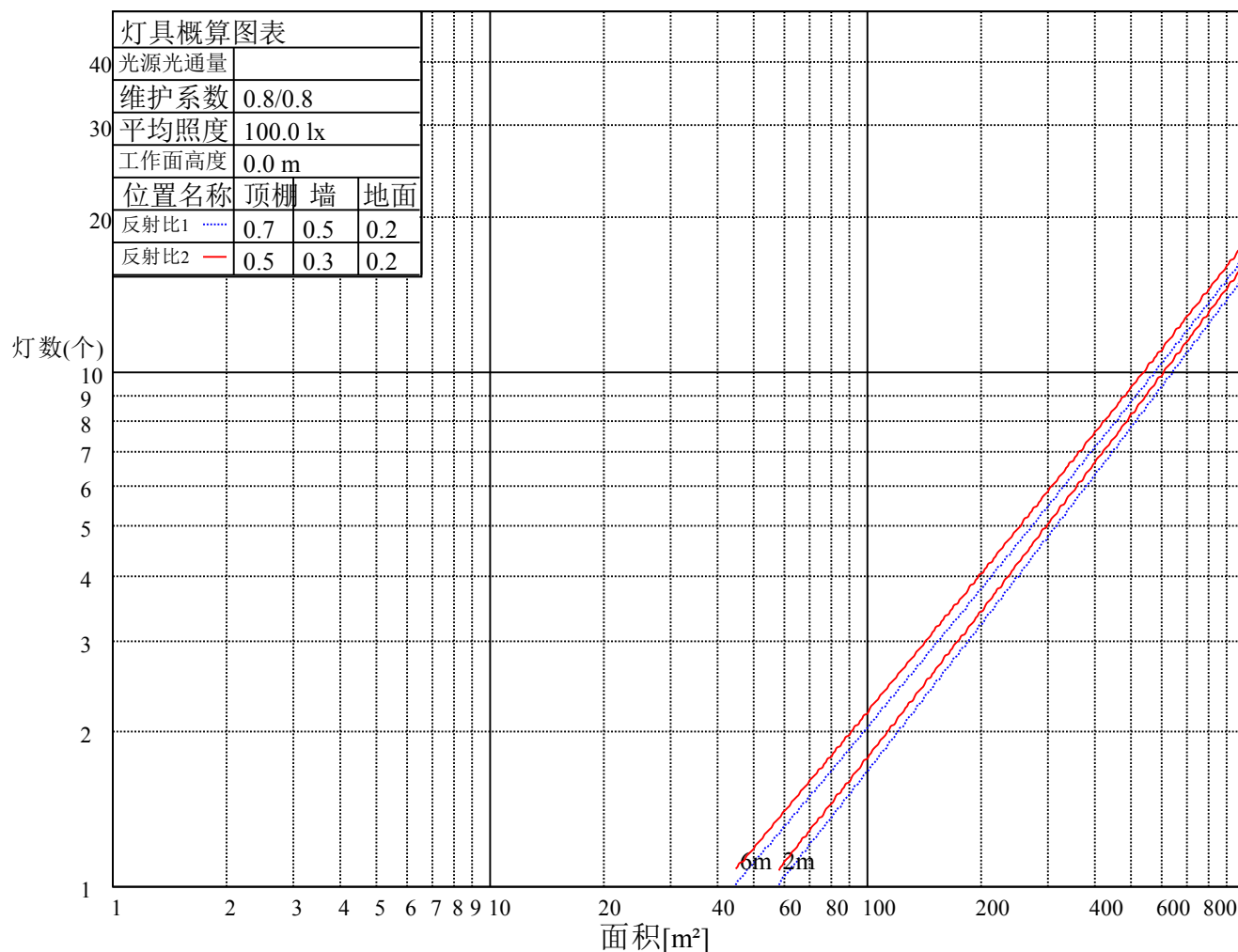
亮度限制曲线



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	9.46	10.55	9.82	10.87	11.18	9.62	10.72	9.99	11.03	11.34
	3H	11.27	12.24	11.65	12.57	12.94	11.51	12.48	11.89	12.81	13.18
	4H	11.91	12.81	12.32	13.17	13.55	12.24	13.14	12.64	13.49	13.88
	6H	12.30	13.13	12.72	13.50	13.90	12.79	13.61	13.20	13.99	14.38
	8H	12.39	13.17	12.82	13.56	13.97	12.96	13.74	13.39	14.13	14.54
	12H	12.47	13.22	12.91	13.60	14.03	13.14	13.89	13.58	14.27	14.70
4H	2H	10.05	10.95	10.45	11.30	11.69	10.17	11.08	10.58	11.43	11.82
	3H	12.03	12.77	12.44	13.18	13.58	12.29	13.03	12.71	13.44	13.85
	4H	12.78	13.45	13.22	13.87	14.31	13.14	13.80	13.58	14.23	14.67
	6H	13.19	13.76	13.66	14.21	14.68	13.69	14.26	14.16	14.71	15.18
	8H	13.31	13.84	13.78	14.29	14.77	13.91	14.44	14.38	14.89	15.36
	12H	13.40	13.86	13.89	14.35	14.82	14.10	14.56	14.59	15.05	15.52
8H	4H	13.05	13.58	13.53	14.03	14.51	13.36	13.90	13.84	14.34	14.82
	6H	13.58	14.00	14.08	14.50	14.99	14.06	14.48	14.56	14.98	15.47
	8H	13.75	14.13	14.28	14.65	15.15	14.34	14.72	14.87	15.24	15.74
	12H	14.35	14.68	14.87	15.18	15.75	15.03	15.35	15.55	15.85	16.43
12H	4H	13.06	13.52	13.55	14.01	14.49	13.35	13.82	13.84	14.30	14.78
	6H	14.00	14.00	14.15	14.47	15.02	14.45	14.46	14.61	14.93	15.47
	8H	13.84	14.16	14.36	14.66	15.24	14.41	14.73	14.93	15.23	15.81
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.3/-0.6					
S = 1.5H	0.7/-0.6					0.7/-0.7					
S = 2.0H	1.1/-0.7					0.7/-0.8					
标准表格	BK3					BKBF					
更正系数	2.3					5.8					

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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	1.11	1.09	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.91	0.90	0.88
3	0.98	0.93	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	0.84	0.92	0.87	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.76
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
9	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.66	0.65

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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	71542.46	64306.11	47492.90	31063.38	19406.94	12838.20	8893.89	6584.09	4957.25
30.0	72470.99	68403.90	52411.78	34455.18	21801.15	13927.87	9684.29	7205.66	5402.33
60.0	72747.24	68488.31	52189.24	35000.02	20864.95	13732.96	9630.57	7145.81	5376.24
90.0	72018.24	71020.65	56455.85	37754.90	23888.41	14779.66	10374.92	7550.98	5747.65
120.0	72662.83	69278.71	53539.82	35629.27	22537.83	14491.90	10304.32	7510.31	5737.67
150.0	71388.99	68749.22	54721.58	37102.63	23942.13	15370.54	10651.18	7896.30	5916.47
180.0	71542.46	64827.92	49395.99	32859.04	20642.41	13829.65	9787.11	7193.38	5519.74
210.0	72470.99	63300.85	45513.07	29490.26	19337.88	12984.77	9437.19	7197.99	5473.69
240.0	72747.24	63070.63	45029.62	29206.33	18800.71	12761.46	9239.21	7105.90	5440.70
270.0	72018.24	59471.64	41599.45	26313.32	15128.05	11531.36	8586.17	6482.03	5010.20
300.0	72662.83	61842.83	44523.16	28139.68	18378.66	12393.12	8878.54	6683.84	5164.44
330.0	71388.99	60875.94	42804.23	27848.08	15283.06	11680.23	8555.48	6400.68	4863.63
360.0	71542.46	64306.11	47492.90	31063.38	19406.94	12838.20	8893.89	6584.09	4957.25
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3890.60	3011.95	2373.49	1919.97	1573.89	1305.31	1101.95	955.38	828.77
30.0	4205.22	3279.77	2583.75	2074.98	1706.64	1411.97	1191.73	1027.52	893.23
60.0	4138.46	3252.91	2566.11	2064.24	1681.32	1416.42	1195.57	1032.96	900.06
90.0	4412.41	3480.05	2739.53	2197.00	1784.92	1471.06	1249.29	1070.49	933.90
120.0	4361.00	3427.10	2696.56	2158.63	1769.57	1465.15	1238.62	1053.45	910.88
150.0	4519.84	3495.40	2761.79	2194.70	1787.22	1460.32	1221.66	1045.17	900.13
180.0	4255.87	3295.11	2612.15	2081.89	1698.20	1404.68	1176.77	999.05	862.30
210.0	4245.89	3352.67	2624.43	2101.08	1721.22	1419.03	1193.58	1026.83	887.55
240.0	4243.59	3324.27	2611.38	2078.82	1707.41	1402.76	1174.85	1013.70	876.34
270.0	3898.27	3054.92	2434.12	1961.41	1530.61	1333.39	1137.33	976.18	848.26
300.0	3967.33	3117.08	2482.46	1980.60	1617.63	1334.47	1130.34	971.50	847.95
330.0	3777.79	2990.46	2349.71	1909.23	1517.26	1294.18	1104.10	948.78	827.38
360.0	3890.60	3011.95	2373.49	1919.97	1573.89	1305.31	1101.95	955.38	828.77
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	731.31	657.64	593.95	544.07	498.03	461.96	430.50	405.17	387.52
30.0	787.33	704.45	640.76	585.51	539.47	499.56	467.33	438.94	413.62
60.0	797.15	713.89	649.28	592.49	543.38	503.32	468.33	436.18	407.17
90.0	821.86	733.61	663.01	606.99	557.11	512.61	476.54	444.31	413.62
120.0	801.29	718.11	647.74	589.81	541.61	498.56	463.50	431.73	404.25
150.0	790.40	704.45	637.69	580.90	531.79	492.66	457.36	427.43	399.04
180.0	760.93	675.67	610.45	553.74	505.32	465.49	435.41	408.63	385.07
210.0	783.49	704.91	636.85	581.90	534.09	495.96	463.50	434.49	409.47
240.0	771.98	691.41	624.64	568.63	522.58	481.14	445.85	415.15	388.29
270.0	757.25	680.05	618.66	565.02	516.90	475.77	444.69	414.84	387.29
300.0	748.19	672.22	606.23	553.28	508.00	467.33	435.10	405.17	387.52
330.0	736.30	665.93	604.23	556.88	513.76	477.23	447.46	421.98	396.58
360.0	731.31	657.64	593.95	544.07	498.03	461.96	430.50	405.17	387.52
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	362.89	344.40	324.06	305.19	285.77	265.67	245.02	224.61	204.74
30.0	389.83	369.26	348.24	326.29	307.03	286.69	265.44	243.33	218.47
60.0	381.54	355.99	329.59	305.03	282.32	260.37	238.27	217.47	195.14
90.0	388.29	367.34	344.09	323.14	302.35	279.56	256.84	233.36	207.27
120.0	377.55	353.53	327.75	302.58	280.48	260.14	238.42	216.78	196.37
150.0	377.93	355.37	335.80	316.47	297.13	276.79	255.46	234.66	210.72
180.0	364.35	342.10	321.45	299.66	281.09	261.37	242.64	220.85	198.90
210.0	385.99	364.35	340.02	318.84	296.97	275.72	253.08	227.83	202.36
240.0	363.20	337.49	313.01	290.22	268.66	246.86	224.92	203.74	183.02
270.0	365.50	342.94	320.30	299.43	278.86	255.61	231.52	207.34	183.33
300.0	352.76	328.51	303.19	282.47	262.14	240.57	220.47	199.29	178.65
330.0	373.79	352.99	330.66	310.10	289.07	268.50	246.33	223.23	197.29
360.0	362.89	344.40	324.06	305.19	285.77	265.67	245.02	224.61	204.74

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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	183.86	162.91	141.73	119.25	97.23	74.51	51.18	28.16	8.90
30.0	192.38	166.14	141.96	116.87	94.69	70.75	45.28	22.33	8.82
60.0	175.42	155.39	128.54	102.91	80.57	54.79	32.08	19.11	9.67
90.0	183.40	158.31	131.99	107.43	84.18	56.56	33.76	20.87	11.36
120.0	175.42	155.70	129.38	104.75	81.27	55.86	30.46	17.27	9.13
150.0	186.78	162.53	138.59	113.57	92.16	70.29	43.43	21.72	8.75
180.0	179.34	155.78	134.67	112.04	90.32	67.45	43.59	23.79	8.82
210.0	177.88	152.02	125.85	104.82	82.11	55.10	33.46	12.28	5.53
240.0	164.60	139.89	113.65	88.56	66.38	42.13	23.48	12.20	6.75
270.0	157.47	130.15	105.67	82.80	56.63	33.92	22.41	12.58	5.60
300.0	159.46	137.21	110.27	85.64	66.38	41.36	22.56	11.51	6.45
330.0	173.27	148.49	124.78	102.44	80.34	53.87	32.84	11.59	4.99
360.0	183.86	162.91	141.73	119.25	97.23	74.51	51.18	28.16	8.90
C/γ(°)	90.0								
0.0	1.61								
30.0	2.84								
60.0	3.84								
90.0	4.30								
120.0	3.38								
150.0	3.15								
180.0	2.15								
210.0	1.38								
240.0	1.53								
270.0	1.46								
300.0	1.07								
330.0	1.15								
360.0	1.61								