

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3074A-72-UN (15-OL-72WN-AA, L650mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210330010

电流(A): 0.3730

光源规格型号: OL

功率(W): 80.8000

每个光源光通量(lm)

功率因数: 0.9840

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): 7506.96

灯具效能(lm/w): 92.91

中心光强(cd): 55588.720

最大光强(cd): 56647.700

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=15.2

[C90/270]Total=14.9

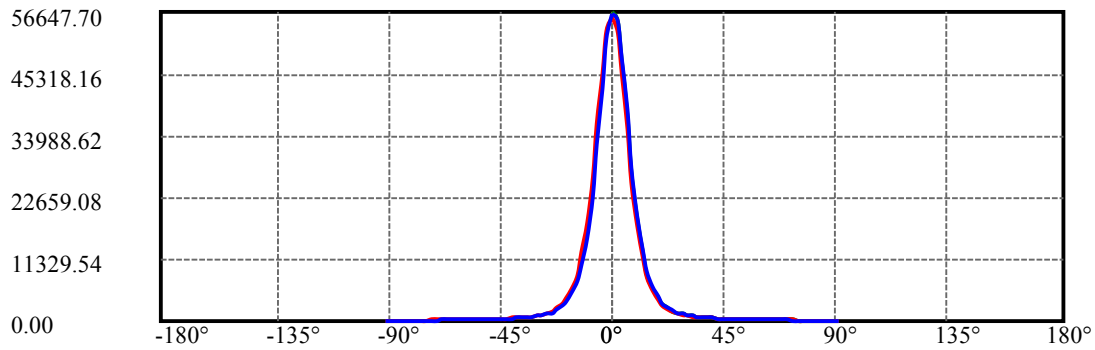
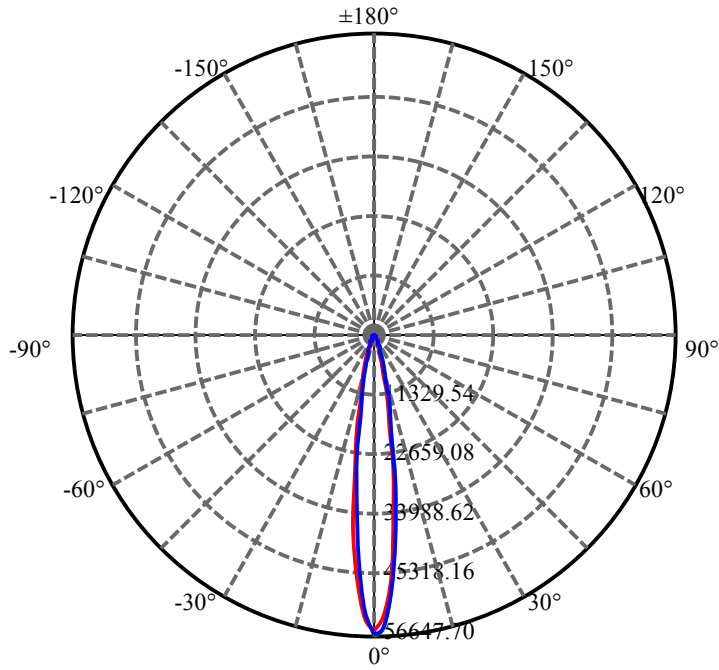
光束扩散角(10%Imax): [C0/180]Total=32.6

[C90/270]Total=32.4

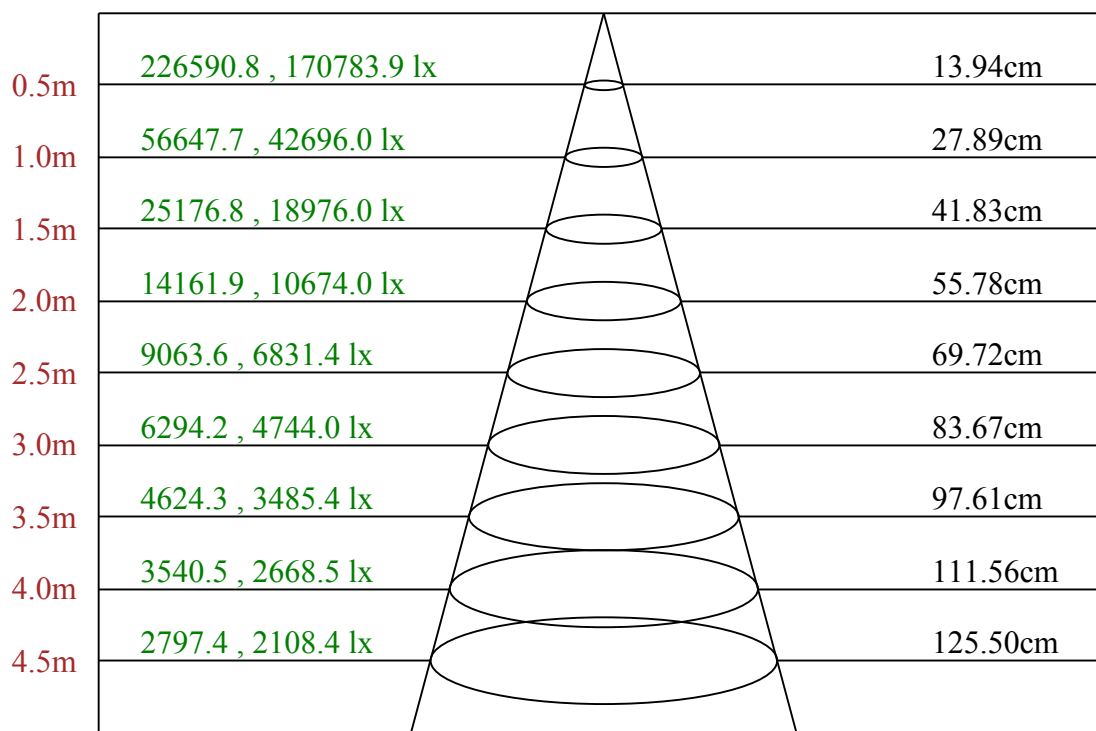
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/30
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

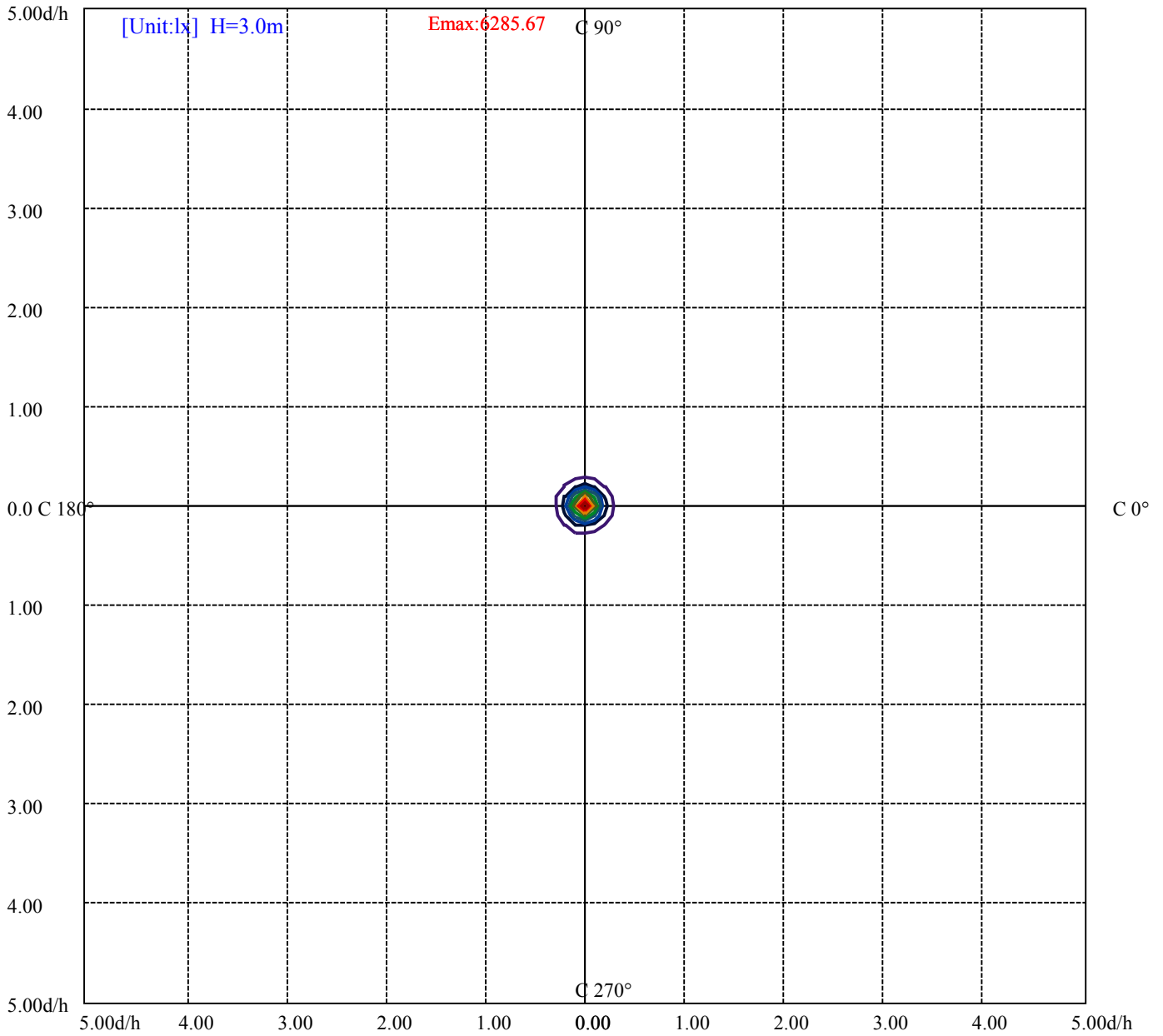


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.88

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平面等照度曲线



- (10%Emax) 628.5645
- (20%Emax) 1257.133
- (30%Emax) 1885.689
- (40%Emax) 2514.256
- (50%Emax) 3142.822
- (60%Emax) 3771.389
- (70%Emax) 4399.956
- (80%Emax) 5028.511
- (90%Emax) 5657.078

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环境湿度(%): 60.0%

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

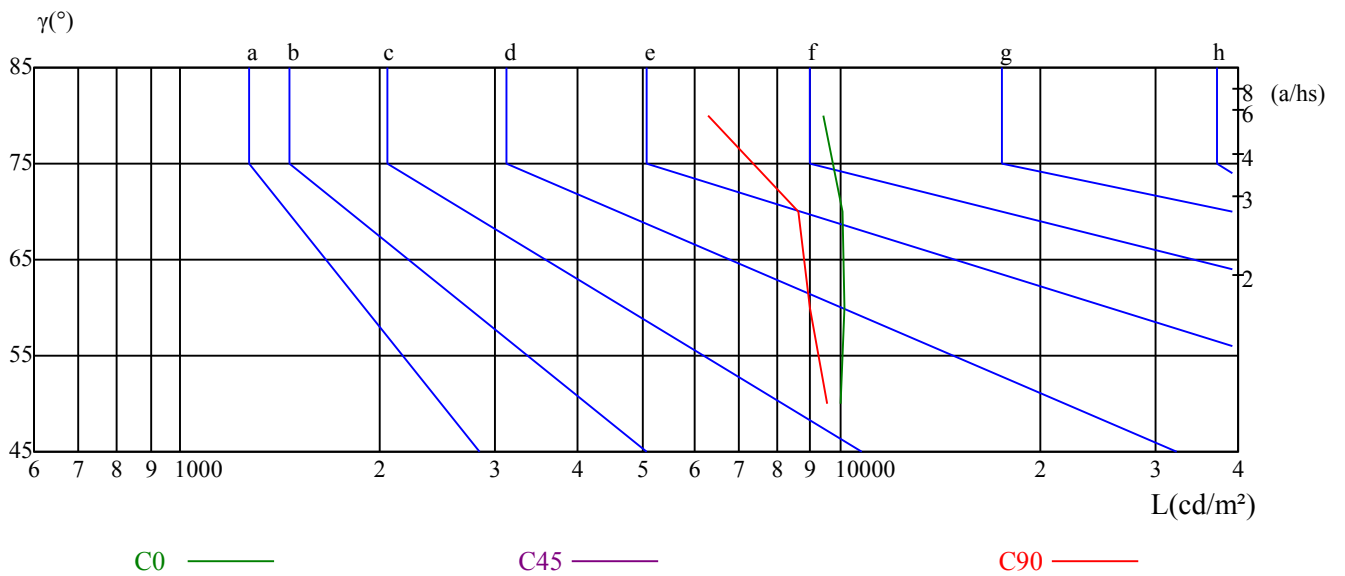
γ	45	50	55	60	65	70	75	80	85
C0	0	10019	0	10148	0	10083	0	9439	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9526	0	8968	0	8602	0	6305	0

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

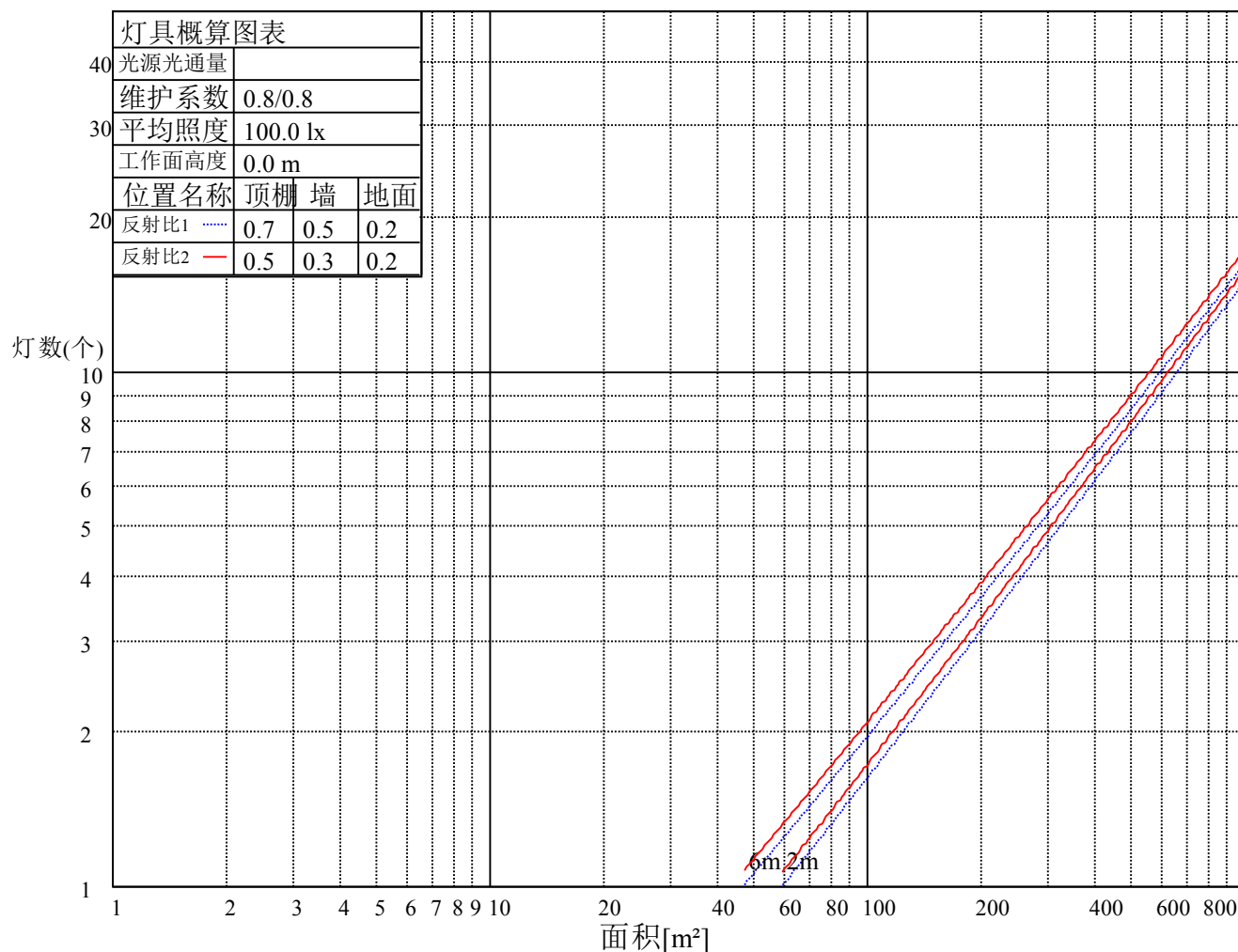
亮度限制曲线



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	8.51	9.59	8.87	9.90	10.21	9.15	10.23	9.51	10.54	10.85
	3H	10.34	11.29	10.72	11.62	11.99	11.20	12.15	11.58	12.49	12.85
	4H	10.97	11.86	11.38	12.21	12.60	11.96	12.85	12.37	13.20	13.59
	6H	11.35	12.16	11.76	12.54	12.93	12.55	13.36	12.96	13.73	14.13
	8H	11.43	12.19	11.86	12.58	12.99	12.74	13.51	13.17	13.90	14.31
	12H	11.49	12.22	11.93	12.61	13.04	12.96	13.70	13.40	14.08	14.51
4H	2H	9.18	10.07	9.58	10.42	10.81	9.67	10.56	10.08	10.92	11.30
	3H	11.17	11.90	11.58	12.31	12.71	11.91	12.64	12.32	13.05	13.45
	4H	11.91	12.57	12.35	12.99	13.44	12.78	13.43	13.21	13.85	14.30
	6H	12.31	12.87	12.77	13.32	13.79	13.37	13.93	13.83	14.38	14.85
	8H	12.41	12.94	12.89	13.39	13.86	13.61	14.13	14.08	14.58	15.06
	12H	12.48	12.93	12.97	13.42	13.90	13.84	14.30	14.33	14.78	15.26
8H	4H	12.21	12.73	12.68	13.18	13.66	12.97	13.49	13.44	13.94	14.42
	6H	12.73	13.15	13.24	13.65	14.13	13.70	14.11	14.20	14.61	15.10
	8H	12.89	13.26	13.42	13.78	14.28	14.01	14.38	14.54	14.90	15.40
	12H	13.47	13.79	13.99	14.29	14.87	14.73	15.05	15.25	15.55	16.13
12H	4H	12.23	12.68	12.72	13.17	13.65	12.95	13.41	13.44	13.90	14.37
	6H	13.14	13.15	13.31	13.62	14.17	14.07	14.08	14.24	14.55	15.10
	8H	12.98	13.30	13.50	13.80	14.38	14.06	14.38	14.58	14.88	15.46
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.7					
S = 1.5H	0.7/-0.7					0.7/-0.6					
S = 2.0H	1.1/-0.8					0.8/-0.6					
标准表格	BK3					BKBF					
更正系数	1.2					5.5					

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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	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.83	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
7	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
10	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

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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	55588.72	52641.99	45397.96	35237.91	25484.56	17611.28	11641.09	8080.47	5609.52
30.0	56647.70	54836.69	47692.42	37724.20	27403.00	19015.58	12692.40	8571.59	6046.92
60.0	56494.22	54184.42	46564.38	36435.01	26520.51	18025.66	12327.90	8343.68	5841.27
90.0	56156.58	54990.16	48129.82	38668.08	28270.13	19391.59	13068.41	9070.38	6323.18
120.0	56256.33	54360.92	47147.58	37240.76	26873.51	18846.75	12789.09	8912.30	6270.23
150.0	55995.43	54591.13	47792.18	38545.30	28323.85	19506.70	13505.82	9254.55	6599.43
180.0	55588.72	52994.99	45543.77	36266.19	26228.91	18056.36	12509.00	8550.10	6003.18
210.0	56647.70	52941.27	44914.52	34600.98	24770.90	15264.64	11598.89	8025.22	5634.07
240.0	56494.22	53133.11	44761.04	34094.52	24778.57	16813.21	11288.10	7857.93	5640.21
270.0	56156.58	51698.12	42481.94	32421.64	22806.41	15232.41	10328.88	7300.05	5129.91
300.0	56256.33	52511.54	44001.34	33864.30	24172.34	16360.46	10950.46	7727.48	5433.02
330.0	55995.43	51744.16	43502.55	33204.36	23512.40	15129.59	10800.82	7420.53	5278.78
360.0	55588.72	52641.99	45397.96	35237.91	25484.56	17611.28	11641.09	8080.47	5609.52
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3982.68	2920.63	2242.27	1751.15	1425.02	1161.04	988.38	854.86	753.56
30.0	4312.65	3183.08	2397.28	1877.77	1498.69	1237.78	1039.03	888.62	777.35
60.0	4189.11	3089.46	2338.96	1859.35	1490.78	1220.82	1024.98	876.42	768.45
90.0	4596.58	3323.51	2479.39	1946.83	1521.71	1248.52	1040.56	890.92	771.21
120.0	4506.03	3260.58	2484.76	1929.95	1514.65	1258.57	1052.53	903.66	777.28
150.0	4742.38	3634.29	2568.41	2008.99	1573.12	1269.24	1066.65	907.81	792.70
180.0	4291.17	3152.38	2366.59	1857.82	1478.50	1206.55	1013.24	874.27	762.62
210.0	4118.51	3027.30	2320.55	1816.38	1458.78	1191.66	1013.86	869.51	760.55
240.0	4021.05	3011.18	2286.78	1779.54	1440.36	1167.18	988.38	849.49	745.12
270.0	3688.01	2760.25	2098.01	1530.38	1333.78	1108.47	937.73	813.27	709.36
300.0	3921.29	2899.91	2203.14	1720.46	1396.62	1147.99	966.89	840.28	732.84
330.0	3790.07	2787.88	2146.35	1692.06	1384.19	1130.58	967.97	836.36	731.08
360.0	3982.68	2920.63	2242.27	1751.15	1425.02	1161.04	988.38	854.86	753.56
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	667.62	603.92	552.51	506.47	471.17	438.94	413.62	391.36	373.64
30.0	686.03	613.90	554.81	509.54	471.17	439.71	412.85	388.29	371.64
60.0	679.43	611.14	551.13	503.78	465.18	434.26	405.94	381.69	358.83
90.0	683.73	609.30	547.91	498.79	458.12	424.36	394.43	372.10	349.62
120.0	687.88	611.98	554.05	505.16	465.49	434.26	406.33	381.16	358.98
150.0	692.17	617.74	554.05	506.47	465.80	432.03	405.17	388.29	364.96
180.0	680.97	612.37	556.88	511.38	473.09	442.24	415.69	392.97	372.18
210.0	673.14	603.08	545.99	501.63	466.79	435.03	410.32	388.06	368.11
240.0	656.87	588.58	534.86	488.82	451.98	420.52	392.90	371.03	349.39
270.0	630.32	565.71	514.83	471.86	434.41	403.33	376.40	352.84	331.81
300.0	646.90	580.14	527.95	482.68	446.61	416.69	389.06	368.72	345.47
330.0	653.73	586.58	534.02	491.43	455.90	425.59	402.03	380.08	360.51
360.0	667.62	603.92	552.51	506.47	471.17	438.94	413.62	391.36	373.64
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	354.45	337.42	322.37	308.33	293.98	275.49	255.54	233.82	209.57
30.0	351.53	334.35	317.23	301.96	285.31	267.43	248.48	227.68	203.82
60.0	337.95	317.08	296.67	277.10	257.61	238.35	217.47	197.14	176.34
90.0	328.74	307.79	290.45	272.50	253.31	235.35	216.40	198.06	178.80
120.0	339.33	318.77	299.12	278.25	259.14	239.11	218.40	198.75	177.49
150.0	345.78	327.90	310.40	296.05	282.32	261.45	237.96	218.86	196.99
180.0	353.07	336.19	321.91	308.49	293.98	276.64	254.39	231.59	208.11
210.0	349.69	333.04	316.24	300.12	282.93	263.06	242.11	218.16	192.30
240.0	328.21	307.64	286.23	268.74	250.01	229.45	210.87	191.08	171.20
270.0	310.94	294.06	275.72	258.91	240.34	222.69	203.97	185.94	168.36
300.0	325.67	305.19	284.93	266.59	248.40	229.37	209.65	189.39	169.36
330.0	343.09	325.83	310.33	293.60	276.72	256.99	237.73	215.25	189.08
360.0	354.45	337.42	322.37	308.33	293.98	275.49	255.54	233.82	209.57

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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	185.94	165.06	142.12	120.17	99.61	76.35	53.87	32.15	10.21
30.0	175.96	151.71	126.54	105.36	87.33	63.85	39.75	18.34	6.45
60.0	159.23	140.28	112.73	90.09	70.45	44.89	23.87	14.20	6.83
90.0	159.54	133.52	110.43	88.79	66.53	45.04	25.40	13.89	7.60
120.0	160.15	141.12	113.57	89.78	71.21	45.58	23.25	12.20	6.14
150.0	171.59	147.95	123.62	100.60	84.80	60.85	36.91	17.11	5.53
180.0	183.94	161.00	137.82	117.33	94.54	72.36	49.04	28.85	7.52
210.0	166.83	142.50	120.55	100.37	81.80	54.48	34.15	11.51	4.22
240.0	153.86	134.37	107.28	85.49	67.22	40.67	22.02	11.89	6.52
270.0	145.03	120.17	97.61	80.19	54.02	33.23	21.95	10.90	5.76
300.0	152.94	132.91	107.59	84.64	66.45	41.44	21.72	11.66	6.45
330.0	164.99	141.35	118.25	97.61	79.58	53.18	34.07	11.66	4.30
360.0	185.94	165.06	142.12	120.17	99.61	76.35	53.87	32.15	10.21
C/γ(°)	90.0								
0.0	0.84								
30.0	1.23								
60.0	1.07								
90.0	1.23								
120.0	1.00								
150.0	1.23								
180.0	1.00								
210.0	0.54								
240.0	0.54								
270.0	0.54								
300.0	0.54								
330.0	0.61								
360.0	0.84								