

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2032A-108-UN(30-OL-108WN-AA, CT)

报告编号:

电压(V): 219.2000

测试编号: 20210423004

电流(A): 0.5430

光源规格型号: OL

功率(W): 117.4000

每个光源光通量(lm)

功率因数: 0.9860

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 10999.35

灯具效能(lm/w): 93.69

中心光强(cd): 29597.690

最大光强(cd): 29981.380

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=28.8

[C90/270]Total=28.7

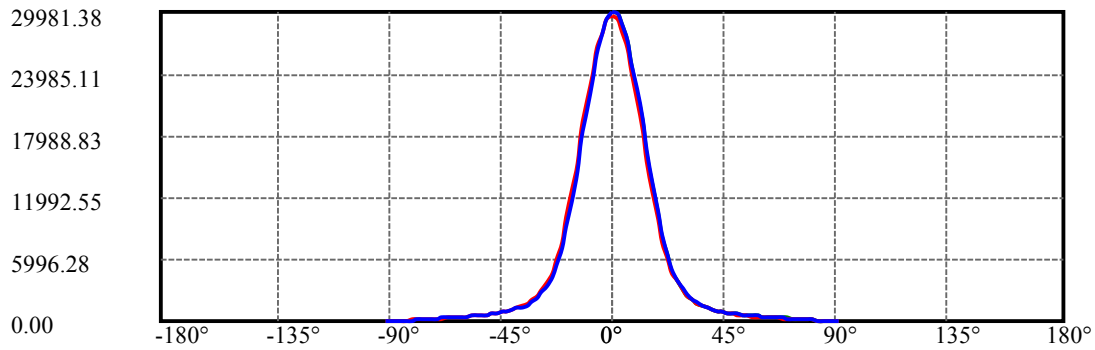
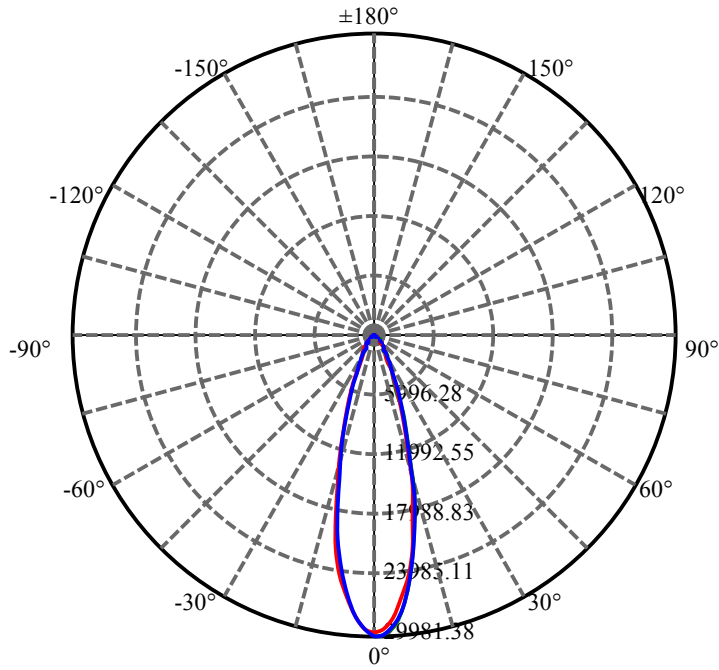
光束扩散角(10%Imax): [C0/180]Total=55.9

[C90/270]Total=55.6

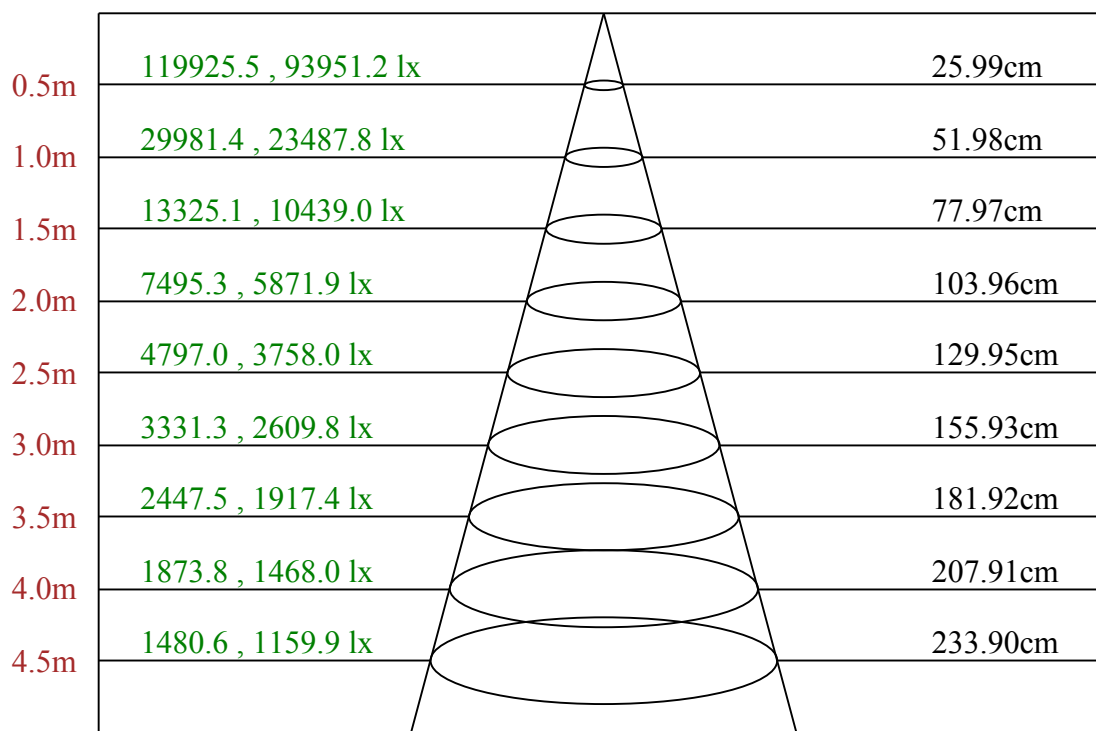
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

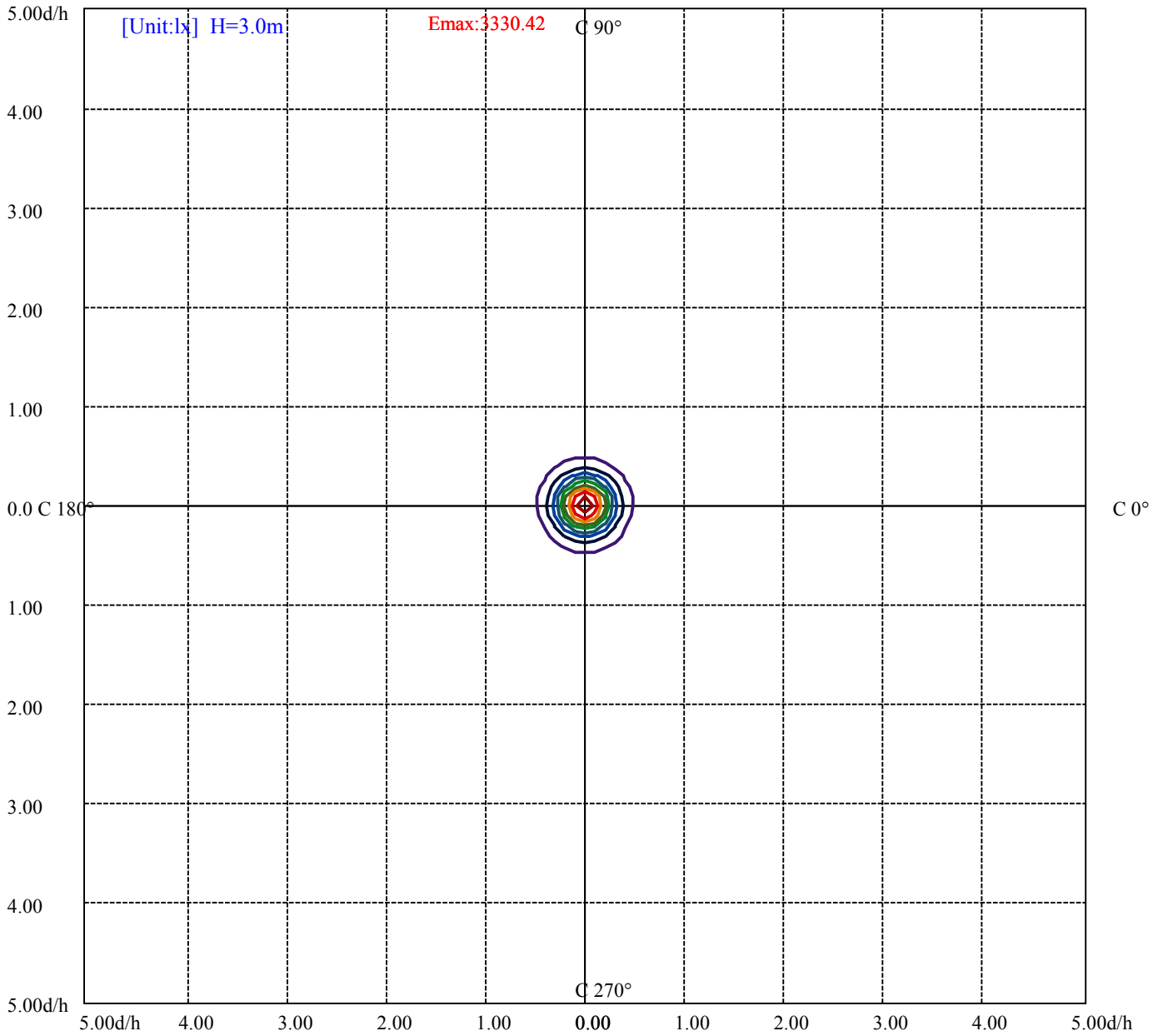











C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角29.13

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平面等照度曲线



(10%Emax) 333.0411	
(20%Emax) 666.0823	
(30%Emax) 999.1234	
(40%Emax) 1332.167	
(50%Emax) 1665.2	
(60%Emax) 1998.244	
(70%Emax) 2331.289	
(80%Emax) 2664.333	
(90%Emax) 2997.367	

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测试日期: 2021/4/23
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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

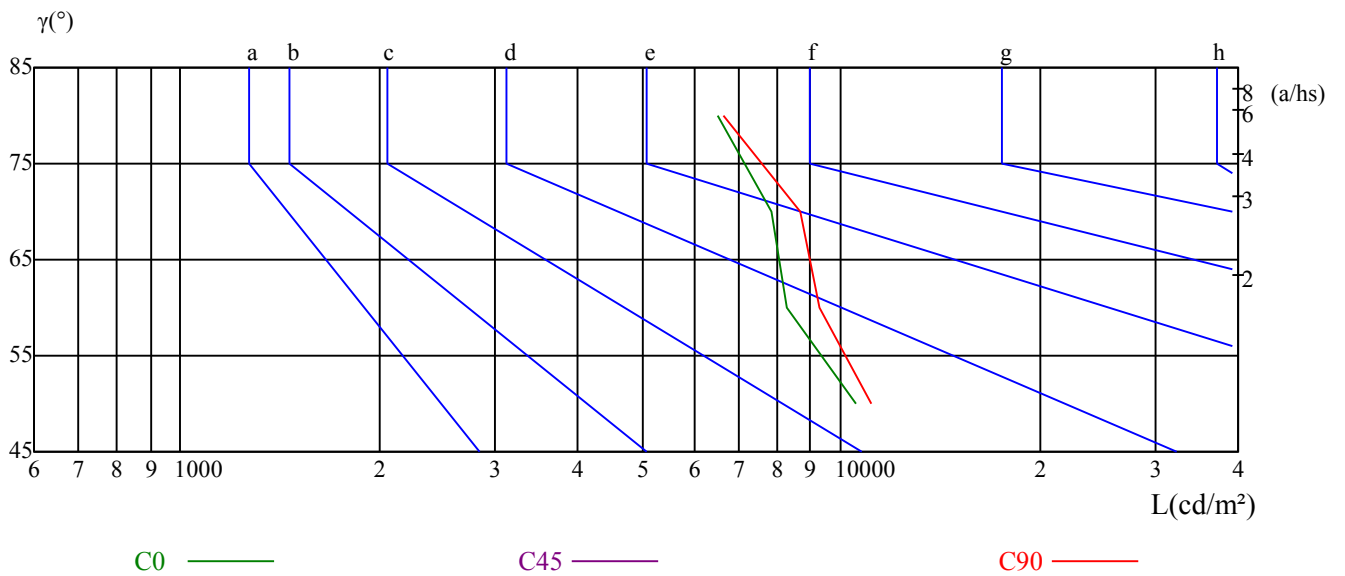
γ	45	50	55	60	65	70	75	80	85
C0	0	10561	0	8280	0	7862	0	6515	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11160	0	9313	0	8697	0	6652	0

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

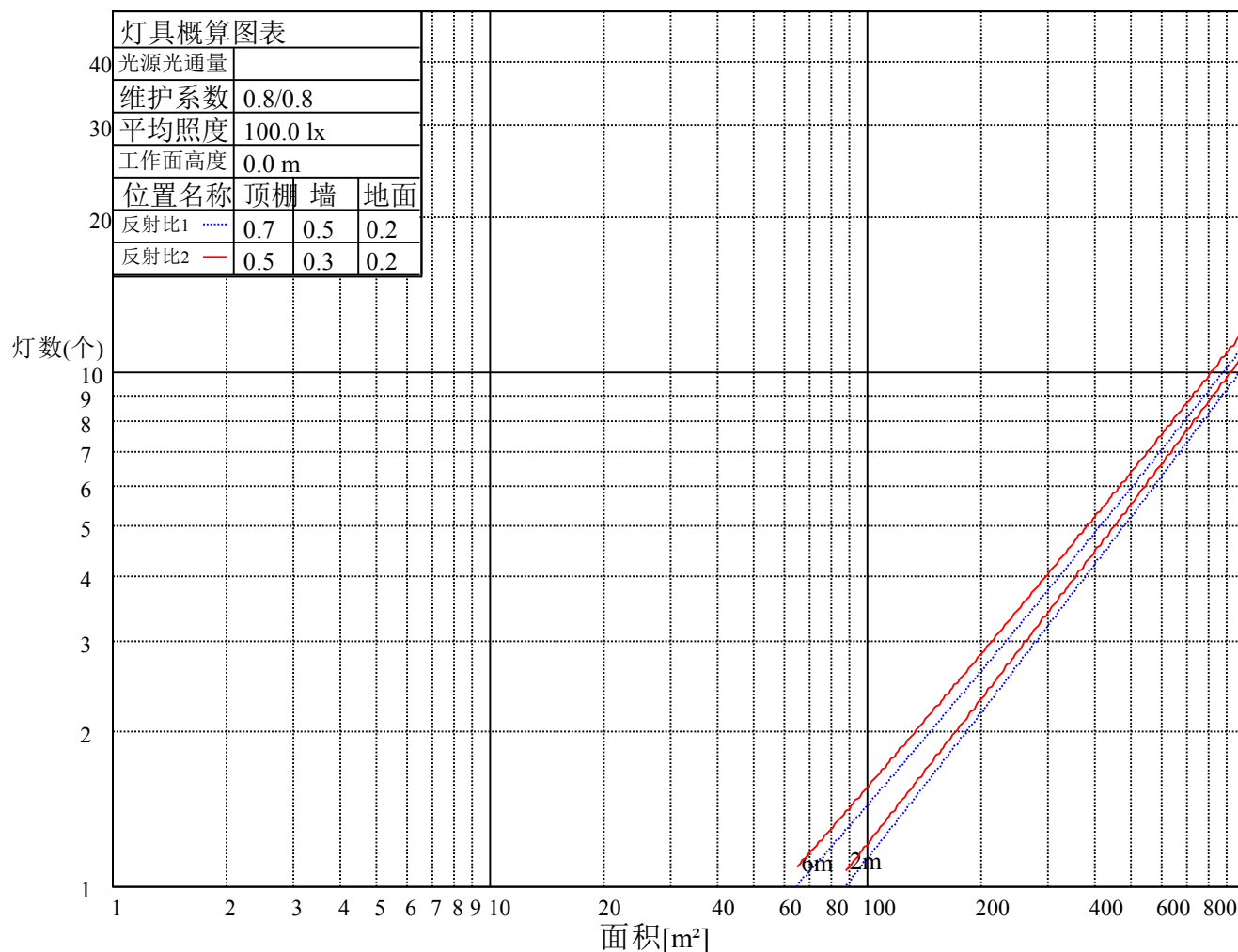
亮度限制曲线



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	7.90	9.01	8.27	9.32	9.64	7.54	8.65	7.90	8.96	9.27
	3H	9.58	10.56	9.96	10.90	11.26	9.25	10.23	9.63	10.56	10.93
	4H	10.17	11.08	10.57	11.43	11.82	9.91	10.83	10.32	11.18	11.57
	6H	10.50	11.34	10.92	11.71	12.11	10.35	11.19	10.77	11.56	11.96
	8H	10.55	11.34	10.99	11.73	12.14	10.46	11.25	10.89	11.64	12.05
	12H	10.57	11.32	11.00	11.70	12.14	10.54	11.29	10.97	11.68	12.11
4H	2H	8.45	9.37	8.86	9.72	10.11	8.17	9.09	8.58	9.44	9.83
	3H	10.37	11.12	10.79	11.53	11.93	10.15	10.90	10.56	11.31	11.71
	4H	11.07	11.74	11.51	12.16	12.61	10.94	11.62	11.38	12.04	12.49
	6H	11.42	12.00	11.89	12.45	12.92	11.39	11.97	11.86	12.42	12.89
	8H	11.49	12.03	11.96	12.48	12.95	11.53	12.06	12.00	12.51	12.98
	12H	11.50	11.97	11.99	12.46	12.93	11.61	12.07	12.10	12.56	13.04
8H	4H	11.32	11.86	11.79	12.31	12.78	11.21	11.75	11.69	12.20	12.67
	6H	11.77	12.20	12.28	12.70	13.19	11.80	12.23	12.31	12.73	13.21
	8H	11.89	12.27	12.41	12.79	13.28	11.99	12.37	12.52	12.89	13.39
	12H	12.45	12.78	12.97	13.27	13.85	12.57	12.90	13.09	13.40	13.97
12H	4H	11.32	11.79	11.81	12.27	12.75	11.20	11.67	11.69	12.16	12.63
	6H	12.18	12.18	12.33	12.65	13.20	12.20	12.20	12.35	12.67	13.21
	8H	11.94	12.27	12.46	12.77	13.35	12.05	12.38	12.57	12.88	13.45
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.6					
S = 1.5H	0.9/-0.9					0.9/-0.9					
S = 2.0H	1.9/-1.0					1.7/-1.1					
标准表格	BK3					BK3					
更正系数	2.0					1.8					

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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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	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	0.86
3	0.96	0.91	0.87	0.95	0.90	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.82	0.81
4	0.90	0.85	0.81	0.89	0.84	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.76
5	0.85	0.80	0.76	0.84	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.73	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.71	0.77	0.73	0.70	0.76	0.72	0.70	0.68
7	0.77	0.72	0.68	0.77	0.71	0.67	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.66	0.65
8	0.74	0.68	0.64	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.63	0.62
9	0.71	0.65	0.62	0.70	0.65	0.61	0.69	0.65	0.61	0.68	0.64	0.61	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57

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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	29597.69	29214.00	28139.68	26397.73	24133.98	21501.88	18455.39	15439.61	12446.84
30.0	29981.38	29804.88	28814.97	27195.81	24978.09	22230.88	19353.22	16206.98	13267.93
60.0	29966.03	29674.43	28661.49	27011.64	24732.53	22131.12	19146.03	15195.58	12947.17
90.0	29896.97	29751.17	28791.95	27211.15	25039.48	22476.44	19499.02	16536.95	13452.10
120.0	29643.73	29352.13	28346.87	26727.71	24494.64	21954.63	19038.60	15174.86	12965.58
150.0	29613.04	29375.15	28423.61	26743.05	24694.16	22031.36	19261.14	16206.98	13175.85
180.0	29597.69	29206.33	27993.88	26359.37	24049.56	21463.51	18532.13	15274.62	12620.27
210.0	29981.38	29382.83	28139.68	26259.61	23819.35	20911.00	17994.97	14847.19	11836.77
240.0	29966.03	29444.22	28170.37	26374.71	24011.20	21148.88	18186.81	15140.33	12139.89
270.0	29896.97	29260.05	27871.10	25937.31	23535.42	20565.68	17634.30	14500.34	11522.92
300.0	29643.73	29198.66	27909.47	26159.85	23811.68	21110.51	18033.34	15017.55	12047.80
330.0	29613.04	29037.51	27817.38	25991.03	23719.59	20826.58	17795.45	14685.27	11857.49
360.0	29597.69	29214.00	28139.68	26397.73	24133.98	21501.88	18455.39	15439.61	12446.84
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	9906.82	7712.13	5993.21	4627.28	3898.27	2929.07	2416.47	2013.59	1695.13
30.0	10490.03	8126.51	6307.83	4872.84	3898.27	3034.97	2490.90	2055.03	1737.34
60.0	10386.43	8035.19	6242.60	4831.40	3779.33	3053.39	2490.90	2064.24	1738.87
90.0	10674.20	8395.09	6422.94	4964.92	3921.29	3125.52	2538.48	2113.35	1771.87
120.0	10440.15	8104.26	6241.84	4908.14	3850.69	3086.39	2549.99	2115.66	1784.15
150.0	10589.79	8241.62	6338.53	4903.53	3898.27	3110.94	2557.66	2114.12	1775.71
180.0	9992.77	7721.34	5931.05	4664.11	3667.29	2944.42	2437.19	2025.87	1709.71
210.0	9396.52	7243.26	5609.52	4369.44	3450.89	2768.69	2295.99	1910.77	1576.96
240.0	9615.22	7458.89	5693.93	4420.09	3551.42	2853.87	2363.52	1979.06	1673.65
270.0	9117.96	7015.35	5366.26	4238.22	3362.64	2705.00	2228.46	1878.54	1523.24
300.0	9576.85	7443.55	5716.95	4481.48	3703.36	2875.36	2384.24	1996.71	1705.11
330.0	9322.85	7191.08	5586.50	4357.93	3447.05	2772.53	2300.59	1918.44	1636.05
360.0	9906.82	7712.13	5993.21	4627.28	3898.27	2929.07	2416.47	2013.59	1695.13
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1463.39	1273.84	1112.70	979.94	875.58	780.42	700.61	635.39	576.30
30.0	1482.57	1282.29	1121.90	996.05	886.32	792.70	720.57	654.57	601.62
60.0	1512.27	1313.52	1160.04	1020.30	913.64	819.79	745.51	679.51	622.11
90.0	1514.03	1319.89	1156.44	1022.14	908.57	813.42	738.98	671.45	616.20
120.0	1521.48	1352.12	1187.59	1057.21	940.50	842.89	765.84	696.55	636.38
150.0	1520.17	1328.33	1164.11	1028.28	920.08	824.93	749.73	681.43	622.34
180.0	1488.71	1292.57	1131.80	1004.19	890.23	793.85	712.82	646.28	585.43
210.0	1408.06	1226.19	1082.69	954.85	856.55	769.68	702.07	640.38	586.35
240.0	1442.67	1261.57	1114.23	987.61	888.62	796.54	722.87	663.78	607.76
270.0	1385.42	1219.44	1072.48	953.93	858.00	772.44	702.53	643.91	588.96
300.0	1469.53	1286.12	1128.81	1001.43	900.13	808.81	735.91	672.99	615.44
330.0	1420.11	1247.29	1088.68	971.96	868.44	781.80	714.12	651.35	598.94
360.0	1463.39	1273.84	1112.70	979.94	875.58	780.42	700.61	635.39	576.30
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	513.37	465.03	424.36	387.52	357.60	326.98	300.20	274.87	251.70
30.0	553.28	511.07	471.94	438.17	409.01	387.52	351.77	323.91	296.90
60.0	574.69	530.87	491.43	457.13	423.28	390.98	359.44	324.60	291.68
90.0	565.56	520.28	480.38	435.87	400.57	366.88	334.81	305.11	278.40
120.0	585.97	537.70	499.49	463.11	430.42	398.04	365.42	332.50	300.12
150.0	570.93	527.19	478.84	441.24	411.31	387.52	354.99	326.52	293.52
180.0	521.89	468.02	427.97	391.05	357.44	329.51	302.88	278.63	254.23
210.0	542.38	501.10	464.11	430.88	400.88	370.03	340.79	312.09	278.17
240.0	559.42	517.21	478.84	443.54	411.31	387.52	341.64	310.02	279.71
270.0	542.07	500.48	459.50	420.22	384.15	350.46	320.38	292.68	257.61
300.0	567.09	524.12	482.68	446.61	413.62	388.29	346.01	316.01	278.48
330.0	551.74	509.54	472.40	440.40	408.55	377.32	349.00	320.69	289.15
360.0	513.37	465.03	424.36	387.52	357.60	326.98	300.20	274.87	251.70

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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	224.84	195.37	167.06	135.06	105.90	72.52	42.44	15.42	2.61
30.0	268.35	236.66	199.36	158.92	124.16	85.03	50.88	20.72	3.84
60.0	257.07	226.68	183.86	145.95	107.74	70.75	38.45	8.52	4.07
90.0	250.47	212.26	179.11	142.35	108.12	73.59	36.76	6.22	4.45
120.0	257.92	224.69	184.17	147.11	108.20	71.44	39.37	9.75	4.14
150.0	266.20	237.58	203.35	162.99	127.46	88.71	52.34	22.41	3.61
180.0	226.99	197.52	168.82	135.90	104.06	73.74	43.82	16.73	2.76
210.0	250.24	215.10	176.34	140.97	105.74	66.38	33.38	8.90	2.76
240.0	250.24	204.35	163.83	126.62	90.70	55.79	21.18	4.68	3.07
270.0	218.01	185.01	149.10	113.88	77.58	44.28	10.13	4.14	2.84
300.0	247.17	201.51	161.23	124.70	91.32	54.87	20.72	4.60	3.07
330.0	257.38	222.77	181.94	147.57	106.13	68.14	34.92	9.44	2.76
360.0	224.84	195.37	167.06	135.06	105.90	72.52	42.44	15.42	2.61
C/γ(°)	90.0								
0.0	0.92								
30.0	1.69								
60.0	2.07								
90.0	2.30								
120.0	2.07								
150.0	1.76								
180.0	1.30								
210.0	0.92								
240.0	0.84								
270.0	0.84								
300.0	0.92								
330.0	0.92								
360.0	0.92								