

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2032A-108-UN(15-OL-108WN-AA, CT)

报告编号:

电压(V): 219.0000

测试编号: 20210423001

电流(A): 0.5460

光源规格型号: OL

功率(W): 118.0000

每个光源光通量(lm)

功率因数: 0.9870

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): 11047.92

灯具效能(lm/w): 93.63

中心光强(cd): 82585.000

最大光强(cd): 83290.990

最大光强角度: C=60.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=15.0

[C90/270]Total=15.1

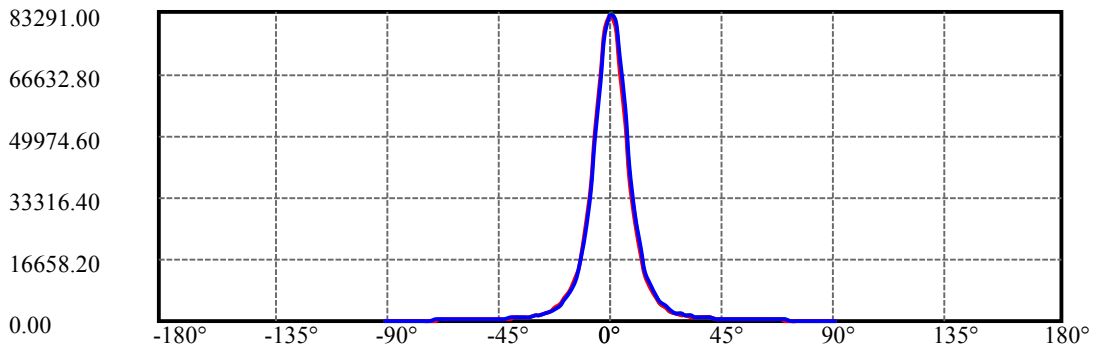
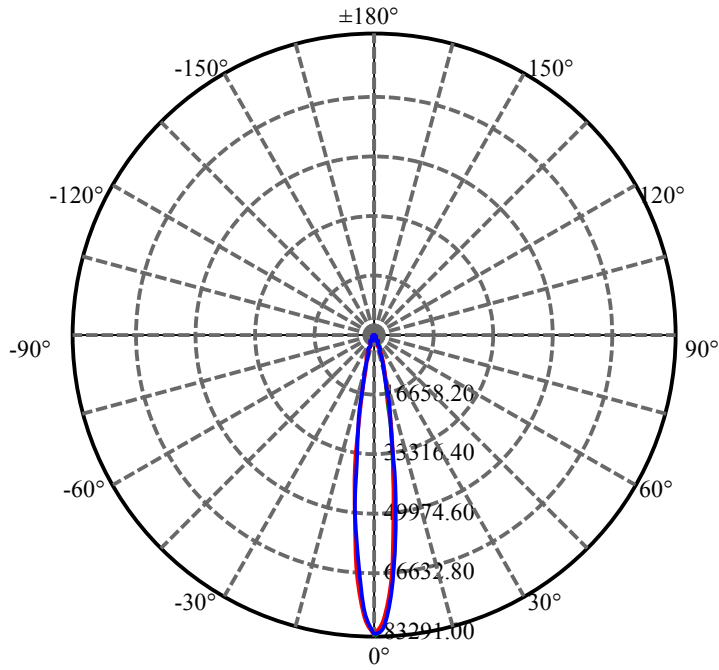
光束扩散角(10%Imax): [C0/180]Total=32.4

[C90/270]Total=32.7

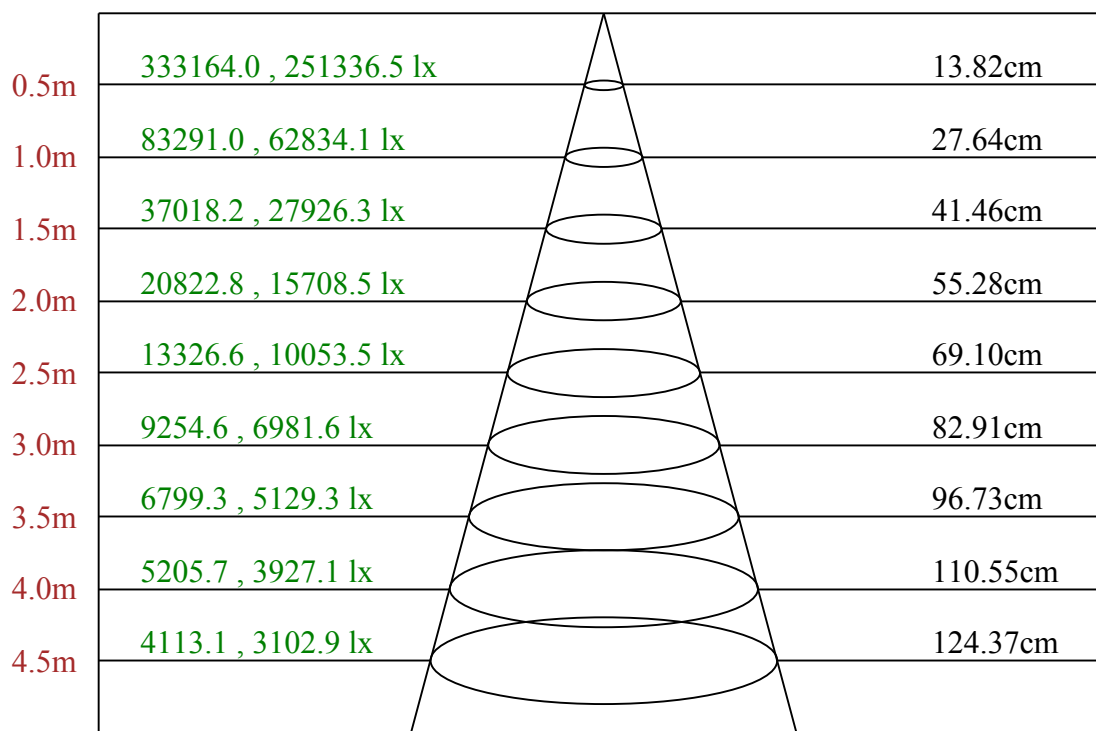
测试设备: GMS1800
环境温度(°C): 25.0

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

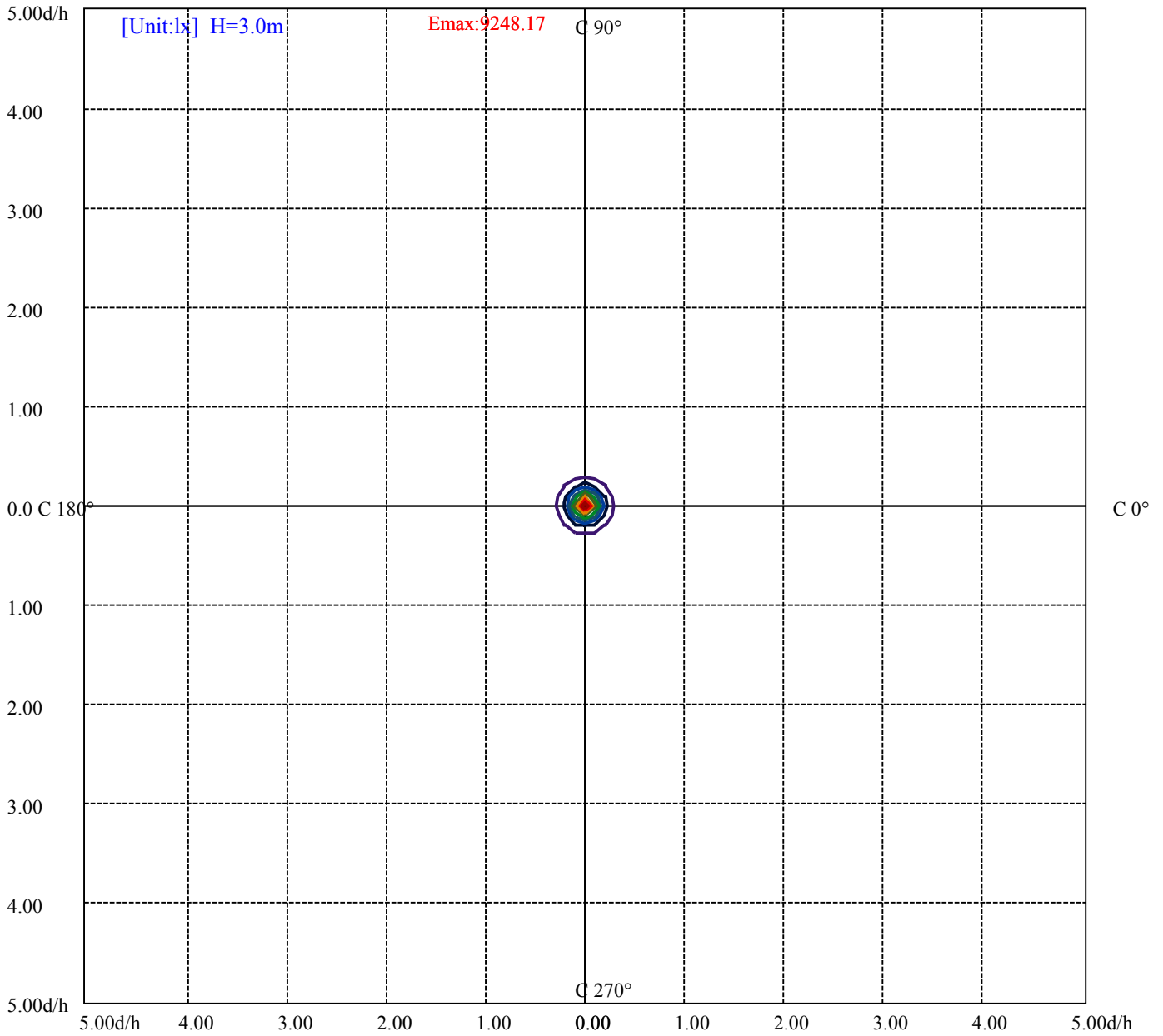


C60(Max): —————
C0/C180: —————
C90/C270: —————



Max , Ave C60面光束角15.74

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平面等照度曲线



- (10%Emax) 924.8145
- (20%Emax) 1849.633
- (30%Emax) 2774.444
- (40%Emax) 3699.256
- (50%Emax) 4624.067
- (60%Emax) 5548.889
- (70%Emax) 6473.7
- (80%Emax) 7398.511
- (90%Emax) 8323.322

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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

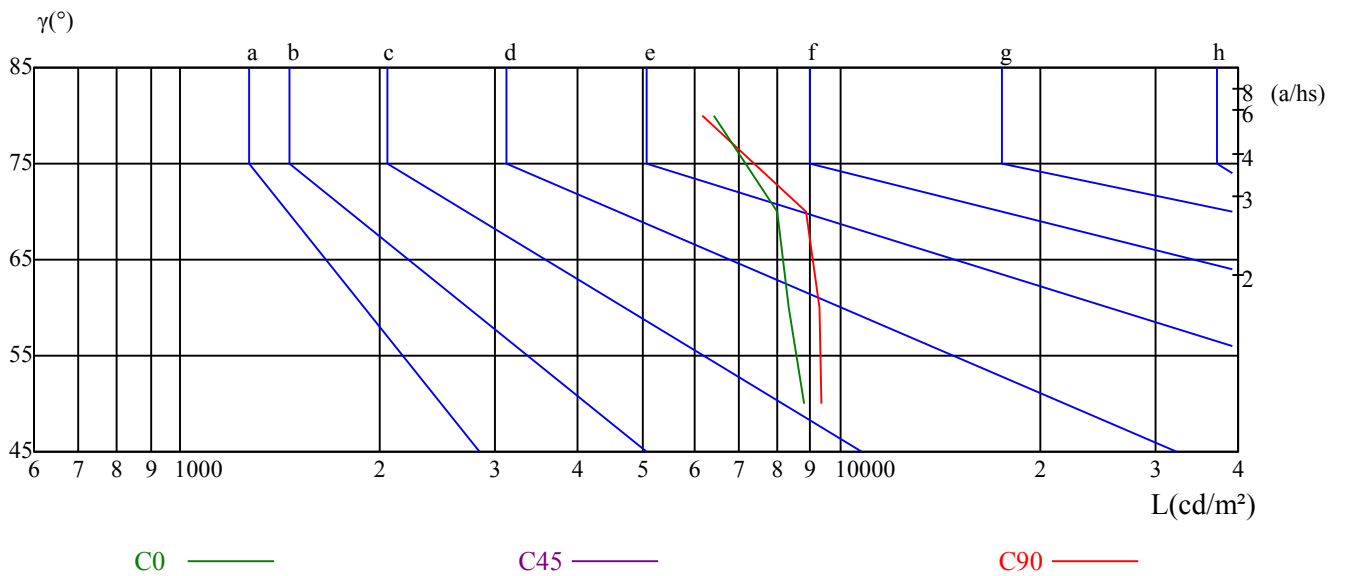
γ	45	50	55	60	65	70	75	80	85
C0	0	8801	0	8346	0	8033	0	6426	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9349	0	9313	0	8860	0	6190	0

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

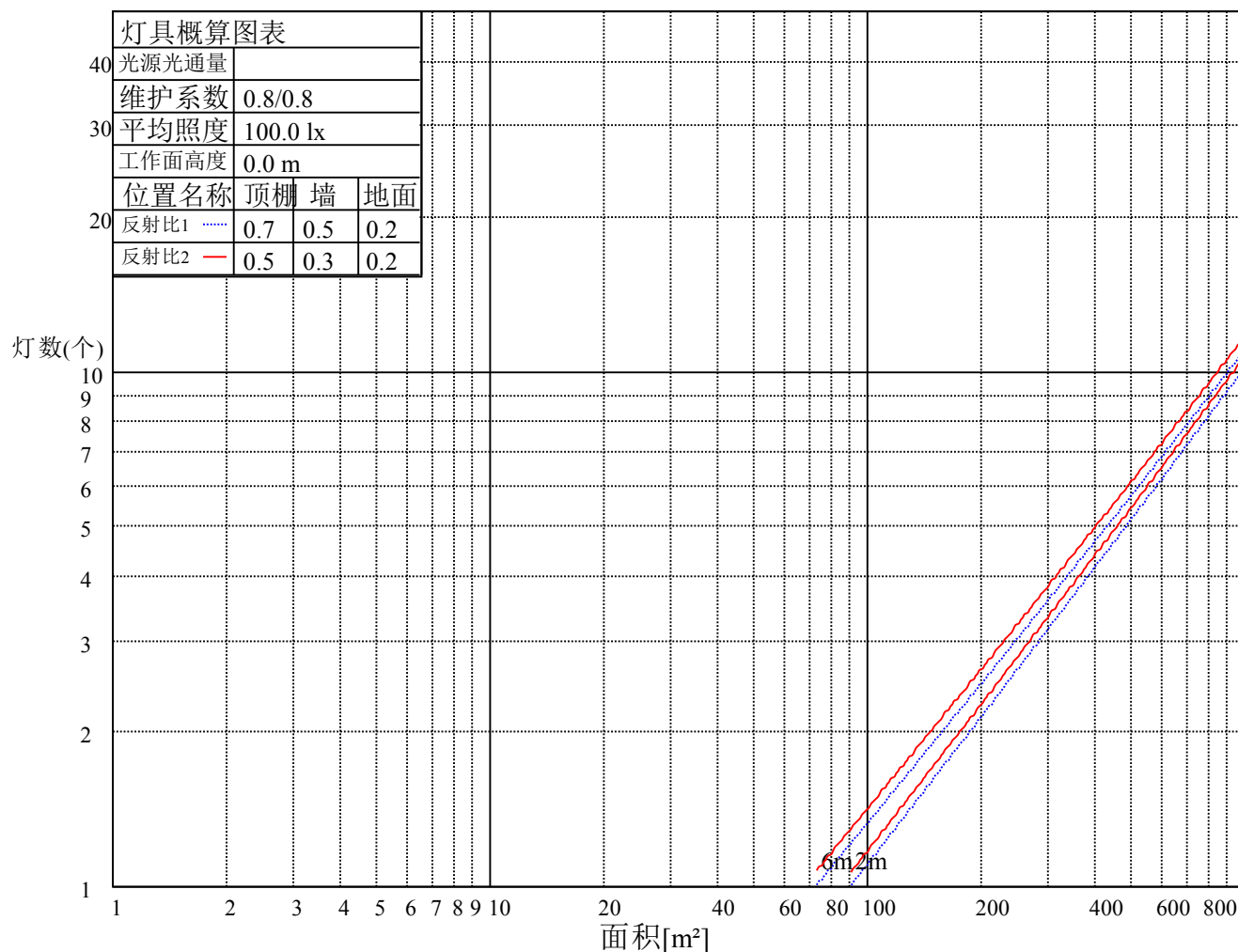
亮度限制曲线



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	7.44	8.51	7.80	8.82	9.14	7.15	8.22	7.51	8.53	8.85
	3H	9.32	10.27	9.70	10.61	10.97	9.07	10.02	9.45	10.35	10.72
	4H	9.93	10.82	10.34	11.17	11.56	9.75	10.63	10.15	10.98	11.37
	6H	10.27	11.08	10.69	11.45	11.85	10.19	11.00	10.60	11.37	11.77
	8H	10.32	11.08	10.75	11.47	11.88	10.29	11.05	10.73	11.45	11.86
	12H	10.33	11.06	10.76	11.44	11.87	10.38	11.11	10.81	11.49	11.92
4H	2H	8.06	8.95	8.47	9.30	9.69	7.84	8.72	8.25	9.08	9.47
	3H	10.12	10.85	10.54	11.26	11.66	9.98	10.71	10.40	11.11	11.52
	4H	10.84	11.49	11.28	11.91	12.36	10.77	11.42	11.21	11.84	12.29
	6H	11.19	11.75	11.66	12.20	12.67	11.21	11.77	11.68	12.22	12.69
	8H	11.26	11.78	11.74	12.23	12.70	11.35	11.87	11.82	12.31	12.79
	12H	11.27	11.72	11.76	12.21	12.68	11.43	11.88	11.92	12.37	12.84
8H	4H	11.08	11.60	11.56	12.05	12.53	11.02	11.54	11.50	11.99	12.46
	6H	11.54	11.95	12.05	12.45	12.94	11.60	12.01	12.11	12.51	13.00
	8H	11.65	12.01	12.18	12.54	13.03	11.79	12.16	12.32	12.68	13.17
	12H	12.23	12.54	12.75	13.04	13.62	12.40	12.72	12.92	13.21	13.79
12H	4H	11.08	11.53	11.57	12.02	12.49	11.01	11.46	11.50	11.95	12.42
	6H	11.91	11.93	12.09	12.40	12.95	11.96	11.98	12.15	12.45	13.00
	8H	11.70	12.02	12.22	12.52	13.09	11.84	12.16	12.37	12.66	13.24
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.2/-0.6					
S = 1.5H	0.8/-0.6					0.7/-0.6					
S = 2.0H	0.9/-0.7					0.8/-0.8					
标准表格	BK3					BK4					
更正系数	1.3					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	1.11	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	0.86	0.91	0.88	0.85	0.89	0.86	0.84	0.88	0.85	0.83	0.81
5	0.90	0.86	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.80	0.78
6	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.77	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.78	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	82585.01	78725.10	67298.88	52818.49	38322.76	26152.17	17580.58	12354.75	8679.02
30.0	83175.88	81188.38	70982.28	56340.75	41967.79	28899.38	19552.74	13651.62	9538.48
60.0	83290.99	80290.55	69539.61	54936.45	39642.64	27725.29	18846.75	13099.11	9210.05
90.0	82838.24	80774.00	71342.95	56862.56	41699.21	28684.51	19813.65	13597.90	9707.31
120.0	82654.07	78993.69	67728.61	53716.32	38599.01	26390.06	18332.61	12568.08	9046.60
150.0	82469.90	79768.74	68956.41	54038.62	39036.42	27188.13	18440.05	12968.65	9162.47
180.0	82585.01	78019.12	65994.34	50930.75	36780.33	25016.46	15057.45	11892.03	8410.44
210.0	83175.88	77044.55	63776.62	49127.41	34746.79	23389.62	15283.06	11200.62	7903.21
240.0	83290.99	78080.51	65702.73	50830.99	36404.32	24617.42	16536.95	11671.79	8233.94
270.0	82838.24	76446.00	64068.22	48789.77	35122.80	23136.39	15038.27	10997.27	7884.02
300.0	82654.07	77765.88	66424.07	51022.83	37317.49	25369.45	16989.70	11786.90	8310.68
330.0	82469.90	77044.55	64398.19	49994.55	35590.90	24026.54	15109.63	11492.22	8113.47
360.0	82585.01	78725.10	67298.88	52818.49	38322.76	26152.17	17580.58	12354.75	8679.02
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6208.07	4611.93	3469.31	2724.95	2147.12	1764.20	1473.36	1268.47	1098.12
30.0	6829.65	5018.64	3905.94	2891.47	2303.66	1857.82	1543.19	1317.58	1134.18
60.0	6617.08	4775.38	3632.76	2820.87	2220.79	1818.68	1526.31	1296.87	1122.21
90.0	6944.75	5010.97	3905.94	2930.61	2302.90	1859.35	1559.31	1322.19	1150.30
120.0	6421.40	4737.01	3577.51	2824.71	2225.39	1810.24	1523.70	1308.07	1132.80
150.0	6591.76	4857.49	3921.29	2837.76	2238.44	1832.49	1528.61	1309.14	1132.65
180.0	6063.04	4410.88	3383.36	2639.77	2115.66	1724.29	1453.26	1238.78	1082.61
210.0	5706.98	4258.94	3231.42	2564.57	2045.82	1672.88	1416.50	1221.51	1057.83
240.0	5893.45	4404.74	3338.85	2634.40	2104.91	1716.62	1440.36	1243.92	1078.93
270.0	5680.88	4179.90	3221.44	2532.34	2025.87	1663.67	1425.78	1224.04	1073.94
300.0	6069.94	4466.13	3440.91	2683.51	2143.28	1753.45	1484.11	1273.84	1106.56
330.0	5952.54	4374.04	3318.90	2638.24	2101.84	1718.92	1457.86	1258.34	1094.12
360.0	6208.07	4611.93	3469.31	2724.95	2147.12	1764.20	1473.36	1268.47	1098.12
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	966.89	868.67	781.19	711.36	653.80	606.23	564.02	529.49	499.56
30.0	992.22	880.18	794.23	722.10	664.55	617.74	578.60	544.84	515.68
60.0	993.37	883.17	798.61	728.39	671.91	625.41	589.11	556.27	528.57
90.0	1011.40	902.43	814.19	743.59	686.80	637.69	597.79	562.49	531.79
120.0	997.67	894.53	807.97	742.44	685.96	639.22	600.01	567.55	539.08
150.0	995.29	887.09	801.91	732.08	675.29	630.02	589.34	555.58	523.35
180.0	954.92	851.94	772.21	703.45	646.13	597.71	558.80	524.35	496.11
210.0	934.05	837.82	755.64	695.32	639.91	598.71	562.56	532.41	505.16
240.0	950.01	854.86	770.45	705.99	653.80	613.13	575.53	547.14	518.75
270.0	954.85	858.46	780.34	719.49	664.39	618.74	583.05	549.90	522.28
300.0	983.78	880.95	800.37	734.38	680.66	634.62	594.72	563.25	533.33
330.0	970.04	872.81	789.09	726.63	668.61	624.64	586.05	553.51	523.58
360.0	966.89	868.67	781.19	711.36	653.80	606.23	564.02	529.49	499.56
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	471.94	437.40	413.62	390.59	368.19	342.48	315.01	286.54	257.15
30.0	491.12	466.56	443.54	423.59	402.11	387.52	351.15	321.07	291.53
60.0	504.24	479.99	458.51	435.87	411.62	384.61	354.30	318.15	283.47
90.0	504.93	481.14	458.89	435.87	413.62	388.29	352.23	317.85	283.62
120.0	499.64	477.08	454.29	431.96	407.86	382.84	351.61	318.15	283.85
150.0	498.79	474.24	451.98	430.50	409.01	388.29	357.83	327.82	296.59
180.0	460.50	435.72	412.85	391.67	366.58	339.95	313.86	285.16	257.68
210.0	480.38	458.43	436.41	415.00	391.36	366.12	336.11	305.57	274.95
240.0	493.42	470.40	447.38	425.13	399.04	371.87	337.26	304.03	269.20
270.0	495.19	469.86	445.85	420.98	393.05	360.44	328.74	296.51	260.60
300.0	507.24	482.68	458.12	425.13	400.57	371.26	338.87	305.95	271.27
330.0	496.65	472.63	449.61	427.27	402.57	376.70	347.01	317.54	284.62
360.0	471.94	437.40	413.62	390.59	368.19	342.48	315.01	286.54	257.15

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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	227.45	195.22	164.30	133.98	104.44	73.13	42.59	15.73	2.61
30.0	259.07	227.37	189.62	152.09	117.49	81.96	47.58	18.88	3.53
60.0	251.70	218.24	173.89	137.51	99.84	64.00	33.99	6.45	3.91
90.0	245.71	205.81	170.89	132.45	100.60	67.68	30.62	5.76	4.30
120.0	250.47	218.47	172.97	138.90	100.07	65.53	35.22	6.52	3.84
150.0	258.99	226.22	189.47	153.32	118.79	83.41	48.96	19.95	3.53
180.0	224.92	194.68	164.68	133.06	104.13	72.82	43.13	16.50	2.61
210.0	243.64	207.81	167.59	135.83	101.68	66.07	33.99	10.13	2.84
240.0	239.42	200.90	158.54	127.15	90.86	56.71	23.64	4.76	3.38
270.0	219.09	184.09	149.79	114.34	79.58	46.96	13.35	4.45	3.15
300.0	239.81	204.35	161.84	128.00	93.24	57.17	23.87	4.76	3.30
330.0	252.54	211.41	169.44	137.36	103.29	67.99	35.45	10.82	2.84
360.0	227.45	195.22	164.30	133.98	104.44	73.13	42.59	15.73	2.61

C/γ(°)	90.0
0.0	1.00
30.0	1.53
60.0	1.61
90.0	1.61
120.0	1.61
150.0	1.53
180.0	1.30
210.0	0.92
240.0	0.92
270.0	0.92
300.0	0.92
330.0	1.00
360.0	1.00