

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F3463A-48-24DC(5015-OL-48WN-AA,L1000mm,C,CT)

报告编号:

电压(V): 24.1000

测试编号: 20210403001

电流(A): 2.0410

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): 5317.80

灯具效能(lm/w): 108.09

中心光强(cd): 15738.880

最大光强(cd): 15915.380

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=52.1

[C90/270]Total=11.5

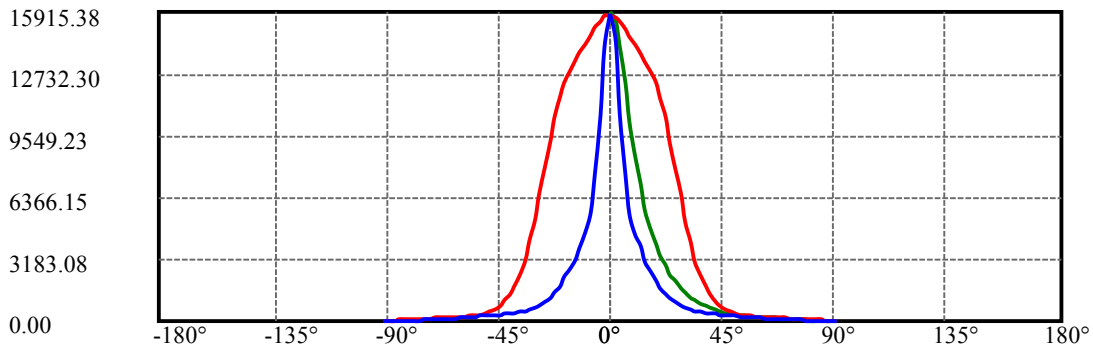
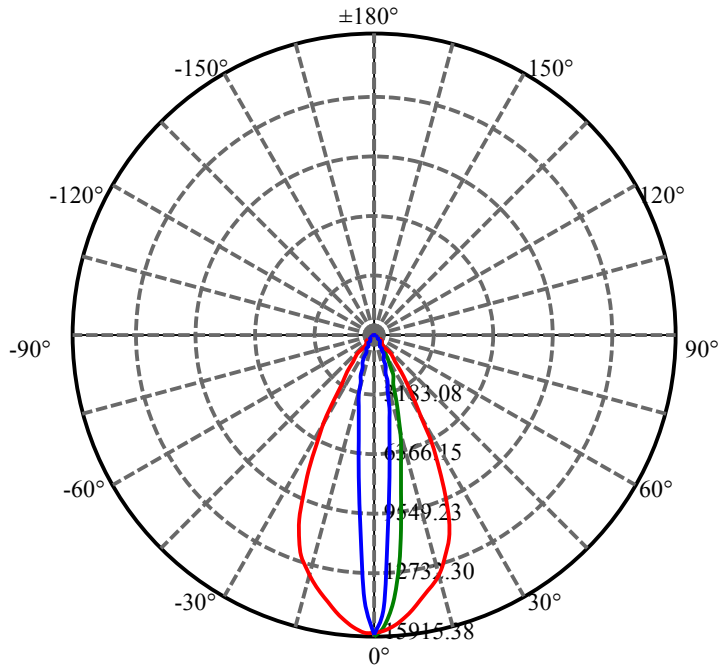
光束扩散角(10%Imax): [C0/180]Total=78.1

[C90/270]Total=42.3

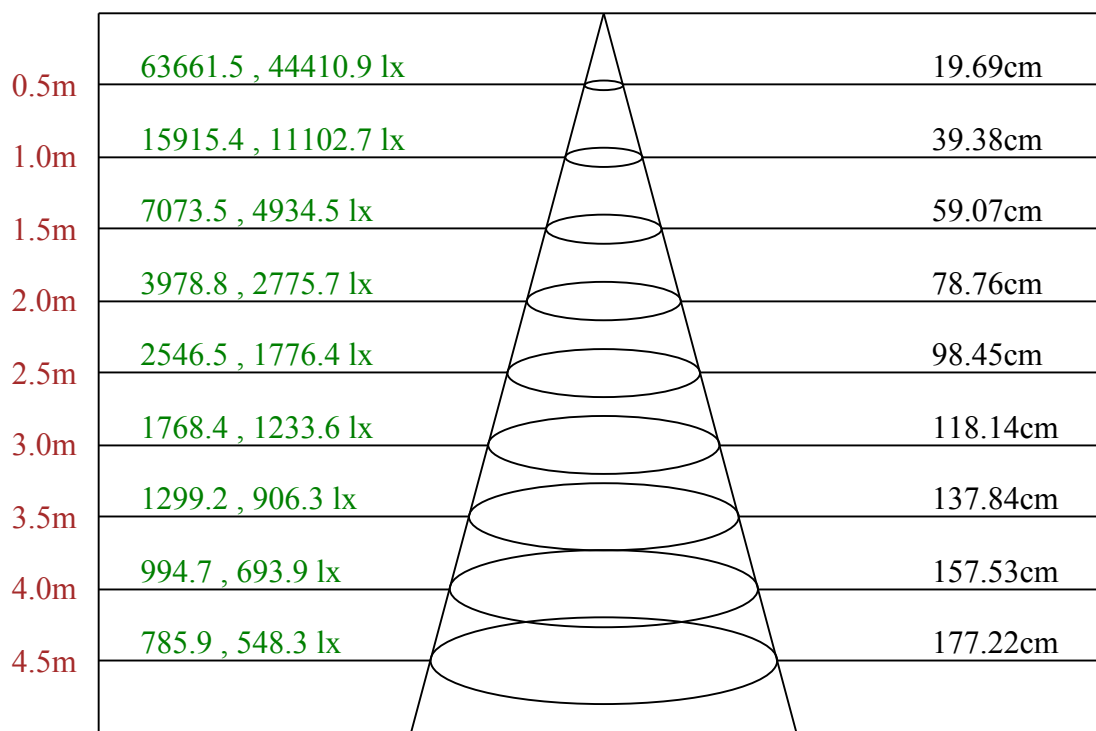
测试设备: GMS1800
环境温度(°C): 25.0

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

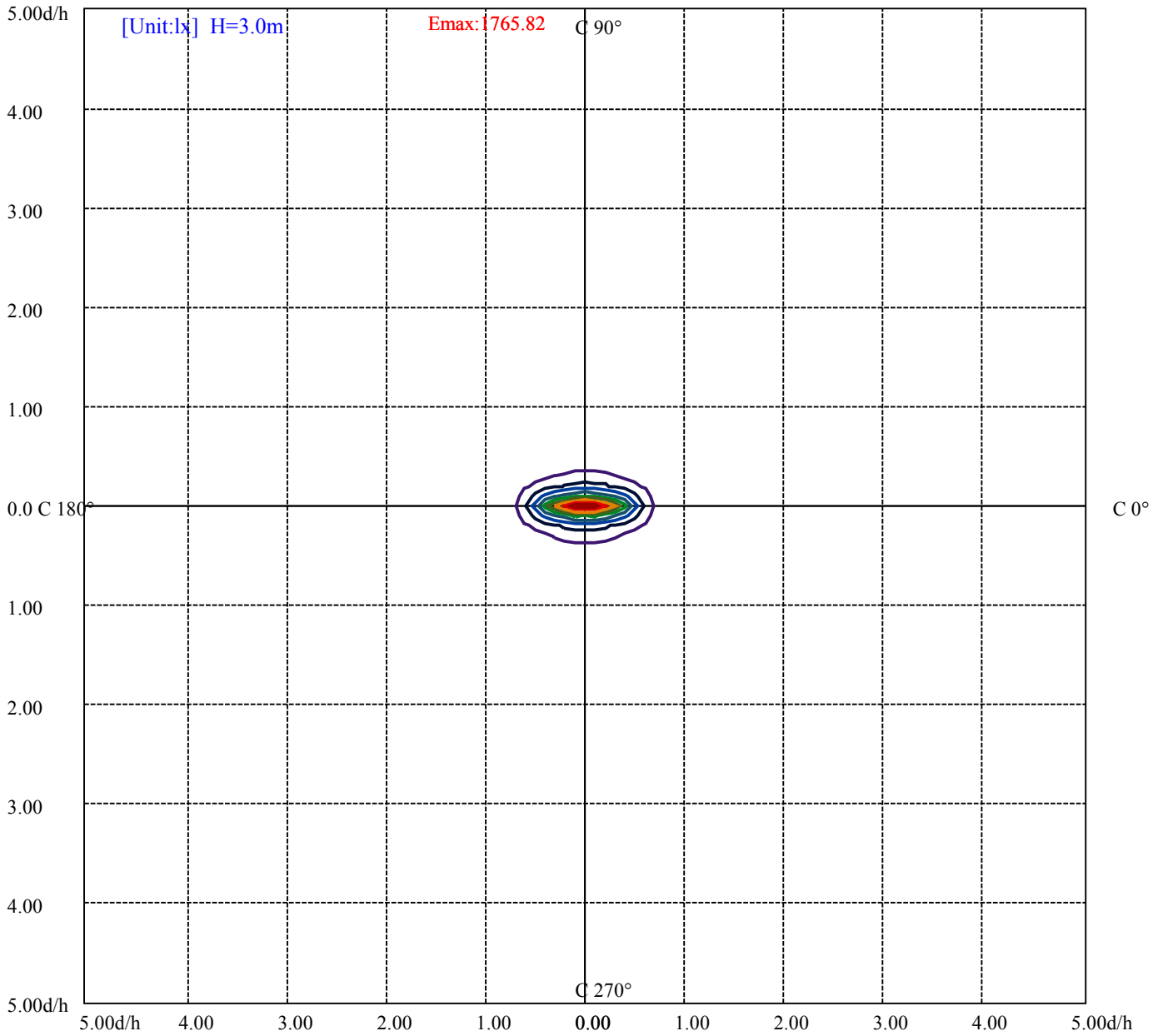


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角22.28

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平面等照度曲线



(10%Emax) 176.5811	——
(20%Emax) 353.1622	——
(30%Emax) 529.7433	——
(40%Emax) 706.3234	——
(50%Emax) 882.9045	——
(60%Emax) 1059.486	——
(70%Emax) 1236.067	——
(80%Emax) 1412.644	——
(90%Emax) 1589.233	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

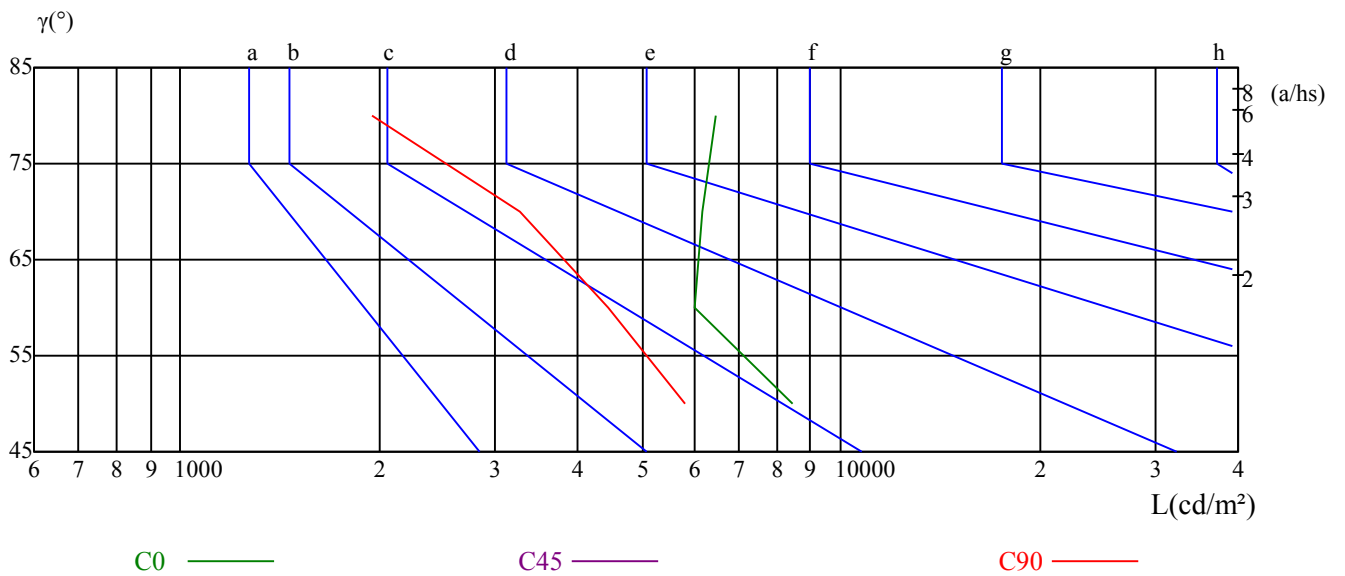
γ	45	50	55	60	65	70	75	80	85
C0	0	8484	0	6002	0	6160	0	6480	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5826	0	4455	0	3271	0	1953	0

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

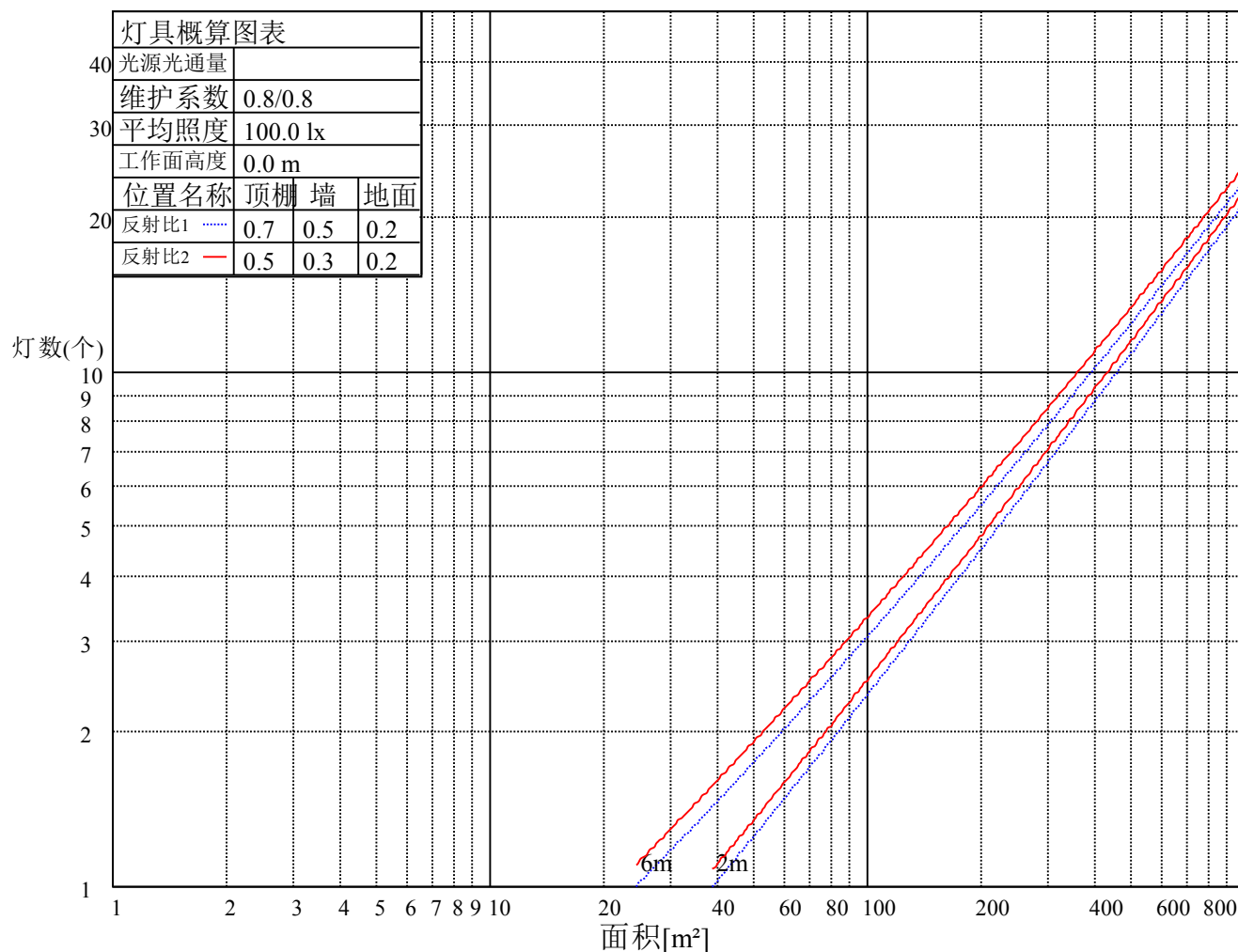
亮度限制曲线



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	7.74	8.82	8.10	9.14	9.45	8.73	9.82	9.10	10.13	10.45
	3H	8.83	9.79	9.21	10.12	10.49	10.64	11.60	11.02	11.93	12.30
	4H	9.20	10.09	9.60	10.44	10.83	11.44	12.33	11.85	12.69	13.07
	6H	9.36	10.18	9.78	10.56	10.95	12.13	12.95	12.55	13.32	13.72
	8H	9.38	10.15	9.82	10.55	10.95	12.41	13.17	12.84	13.57	13.98
	12H	9.41	10.15	9.85	10.53	10.96	12.79	13.52	13.22	13.91	14.34
4H	2H	8.31	9.20	8.71	9.55	9.94	9.11	10.00	9.51	10.35	10.74
	3H	9.59	10.32	10.01	10.73	11.14	11.22	11.96	11.64	12.36	12.77
	4H	10.05	10.70	10.49	11.12	11.57	12.13	12.78	12.57	13.21	13.65
	6H	10.25	10.81	10.72	11.26	11.73	12.81	13.37	13.28	13.82	14.29
	8H	10.28	10.81	10.76	11.26	11.73	13.14	13.66	13.62	14.11	14.59
	12H	10.32	10.77	10.81	11.26	11.74	13.54	14.00	14.03	14.48	14.96
8H	4H	10.35	10.87	10.82	11.32	11.79	12.21	12.73	12.69	13.18	13.66
	6H	10.65	11.07	11.16	11.57	12.05	12.98	13.40	13.49	13.90	14.38
	8H	10.73	11.10	11.26	11.62	12.12	13.37	13.75	13.90	14.27	14.76
	12H	11.34	11.66	11.86	12.16	12.74	14.22	14.54	14.74	15.04	15.62
12H	4H	10.37	10.82	10.86	11.31	11.78	12.18	12.63	12.67	13.12	13.59
	6H	11.06	11.07	11.23	11.54	12.09	13.32	13.33	13.49	13.80	14.35
	8H	10.82	11.14	11.34	11.64	12.22	13.38	13.71	13.90	14.20	14.78
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					2.9/-1.6					
S = 1.5H	0.8/-1.1					4.4/-1.7					
S = 2.0H	1.9/-1.6					5.9/-1.5					
标准表格	BK3					BK2					
更正系数	-1.5					1.6					

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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	1.07	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.93
2	1.02	0.98	0.94	1.00	0.97	0.93	0.97	0.94	0.91	0.94	0.92	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.86	0.94	0.89	0.85	0.91	0.87	0.84	0.89	0.85	0.83	0.86	0.84	0.81	0.80
4	0.89	0.83	0.79	0.88	0.83	0.79	0.86	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.74
5	0.84	0.78	0.74	0.83	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.71	0.70
6	0.79	0.73	0.69	0.78	0.73	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
7	0.75	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.62
8	0.71	0.65	0.61	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.61	0.68	0.63	0.60	0.59
9	0.68	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.66	0.61	0.58	0.65	0.61	0.58	0.56
10	0.65	0.59	0.55	0.64	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.54

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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	15738.88	15646.80	15393.56	15032.90	14626.19	14219.48	13789.75	13360.02	12845.87
30.0	15915.38	15462.63	14104.37	12216.63	10313.53	8456.48	6990.80	5709.28	4788.43
60.0	15869.34	14506.48	11357.93	8303.01	6162.03	4898.93	4029.49	3368.01	2849.27
90.0	15838.64	14372.95	10697.22	7558.65	5548.13	4427.76	3890.60	3043.41	2551.53
120.0	15792.60	14242.50	11034.87	8161.04	6060.74	4829.86	3943.55	3325.81	2788.64
150.0	15807.95	15224.74	13766.73	11825.26	9914.50	8095.82	6622.45	5517.43	4588.91
180.0	15738.88	15677.49	15439.61	15117.31	14709.06	14274.73	13838.86	13401.45	12885.01
210.0	15915.38	15307.62	14037.61	12190.54	10301.26	8487.18	7079.04	5859.68	4869.77
240.0	15869.34	14818.03	12024.78	8886.21	6683.84	5325.59	4328.00	3882.92	3085.62
270.0	15838.64	14036.07	10542.98	7504.17	5639.45	4568.96	3804.65	3187.68	2659.73
300.0	15792.60	14956.16	12101.52	8985.97	6752.91	5363.96	4397.06	3890.60	3136.27
330.0	15807.95	15299.94	14190.32	12502.09	10540.68	8711.25	7207.96	6022.37	5000.22
360.0	15738.88	15646.80	15393.56	15032.90	14626.19	14219.48	13789.75	13360.02	12845.87
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	12239.65	11449.25	10459.33	9223.86	7857.93	6484.33	5164.44	4074.77	3059.53
30.0	3990.36	3382.59	2835.45	2384.24	2026.64	1708.18	1444.20	1223.96	1047.47
60.0	2391.14	1993.64	1653.70	1391.94	1153.37	967.97	814.95	693.86	599.47
90.0	2102.61	1717.39	1395.09	1147.99	943.87	792.70	671.45	580.14	510.31
120.0	2342.80	1971.39	1580.79	1376.44	1140.78	949.93	800.60	687.34	593.72
150.0	3905.94	3265.18	2746.44	2313.64	1954.51	1665.21	1409.67	1205.55	1022.91
180.0	12304.11	11517.55	10503.84	9292.92	7903.97	6553.39	5230.43	4112.37	3133.96
210.0	4115.44	3443.98	2876.89	2419.54	2046.59	1721.22	1474.90	1244.76	1052.15
240.0	2622.12	2202.37	1847.07	1531.68	1272.31	1052.07	881.72	753.56	643.06
270.0	2226.93	1821.75	1503.98	1228.11	1003.80	838.90	709.59	608.99	533.17
300.0	2641.31	2219.25	1862.42	1545.50	1294.56	1070.49	896.30	758.93	652.27
330.0	4186.04	3531.46	2954.40	2507.02	2107.98	1774.94	1511.27	1285.89	1087.22
360.0	12239.65	11449.25	10459.33	9223.86	7857.93	6484.33	5164.44	4074.77	3059.53
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	2357.38	1786.45	1360.56	1035.96	795.77	617.74	484.98	387.52	319.69
30.0	890.92	766.61	658.41	566.32	493.42	426.66	388.29	336.88	302.19
60.0	530.56	472.47	425.89	390.13	357.60	329.43	304.65	283.24	262.21
90.0	458.89	415.15	387.52	353.45	328.13	306.80	286.00	266.13	246.10
120.0	525.27	467.87	421.83	384.53	353.07	327.21	303.04	281.09	261.91
150.0	870.97	745.12	644.60	555.58	481.14	422.06	389.06	334.19	297.05
180.0	2375.03	1812.54	1372.30	1041.41	795.77	621.65	486.98	393.20	324.14
210.0	896.14	768.30	656.41	564.71	490.05	426.28	375.09	330.66	296.05
240.0	563.25	498.03	443.54	404.41	370.34	339.03	312.78	290.07	267.66
270.0	478.31	431.50	396.04	365.58	338.57	314.70	292.98	272.50	251.16
300.0	567.86	501.86	450.45	409.01	374.71	343.63	319.00	295.75	274.57
330.0	925.15	792.16	675.44	579.45	497.26	434.80	381.16	337.11	299.12
360.0	2357.38	1786.45	1360.56	1035.96	795.77	617.74	484.98	387.52	319.69
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	278.71	250.32	230.14	213.25	198.83	185.55	174.04	162.15	149.72
30.0	271.27	246.40	224.53	205.81	189.39	174.04	160.46	146.26	132.14
60.0	243.41	224.30	204.66	182.94	163.83	144.57	126.92	111.42	95.15
90.0	225.76	200.98	178.65	158.31	138.59	122.47	107.28	93.54	79.50
120.0	242.72	224.92	204.81	184.25	164.14	144.96	128.23	111.58	95.69
150.0	268.66	243.41	223.23	204.89	188.39	173.89	159.46	145.26	131.22
180.0	279.56	250.86	230.60	213.48	198.98	186.40	174.58	163.14	151.17
210.0	265.90	241.11	219.78	201.74	185.94	170.97	157.16	142.73	128.77
240.0	247.63	228.98	209.19	188.31	166.75	147.64	129.76	113.96	97.53
270.0	230.37	203.74	180.10	158.92	137.90	121.63	106.67	92.32	78.27
300.0	254.54	234.59	214.48	193.07	172.28	151.40	133.37	115.87	98.38
330.0	268.12	242.57	220.93	202.82	185.86	171.36	157.31	142.73	128.46
360.0	278.71	250.32	230.14	213.25	198.83	185.55	174.04	162.15	149.72

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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	136.67	121.02	105.51	92.32	79.96	66.53	52.18	29.01	9.13
30.0	116.26	99.22	80.34	63.62	48.11	36.45	23.56	7.37	3.61
60.0	78.27	65.00	56.71	47.04	32.69	16.35	11.97	7.29	4.68
90.0	67.76	59.86	50.57	39.98	24.10	16.96	12.20	8.36	5.14
120.0	78.89	65.23	56.17	46.89	33.30	16.81	12.20	7.29	4.76
150.0	115.64	99.14	81.27	64.46	48.96	37.22	25.17	7.52	3.61
180.0	138.28	122.47	107.97	94.77	81.88	69.14	54.71	35.61	14.58
210.0	113.03	95.31	77.81	60.85	45.04	34.22	20.57	6.83	3.53
240.0	81.57	66.68	57.78	48.34	35.45	17.42	12.51	7.44	5.22
270.0	67.15	58.70	49.42	37.68	22.33	16.50	11.97	8.36	4.76
300.0	81.50	66.61	57.02	47.58	35.15	17.04	12.51	7.52	4.99
330.0	112.57	94.77	76.51	60.09	44.66	33.92	19.18	6.75	3.45
360.0	136.67	121.02	105.51	92.32	79.96	66.53	52.18	29.01	9.13
C/γ(°)	90.0								
0.0	0.38								
30.0	0.61								
60.0	0.31								
90.0	0.38								
120.0	0.38								
150.0	0.92								
180.0	0.54								
210.0	0.31								
240.0	0.38								
270.0	0.23								
300.0	0.23								
330.0	0.38								
360.0	0.38								