

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3443A-18-UN-RC-Y (30-XL-18RGBWN-AJ, L1000, A, CT)

报告编号:

电压(V): 219.8000

测试编号: 20210409003

电流(A): 0.4390

光源规格型号: XL

功率(W): 92.9000

每个光源光通量(lm)

功率因数: 0.9620

光源数量: 18

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 60

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3609.49

灯具效能(lm/w): 38.85

中心光强(cd): 8917.677

最大光强(cd): 9121.031

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=30.3

[C90/270]Total=29.9

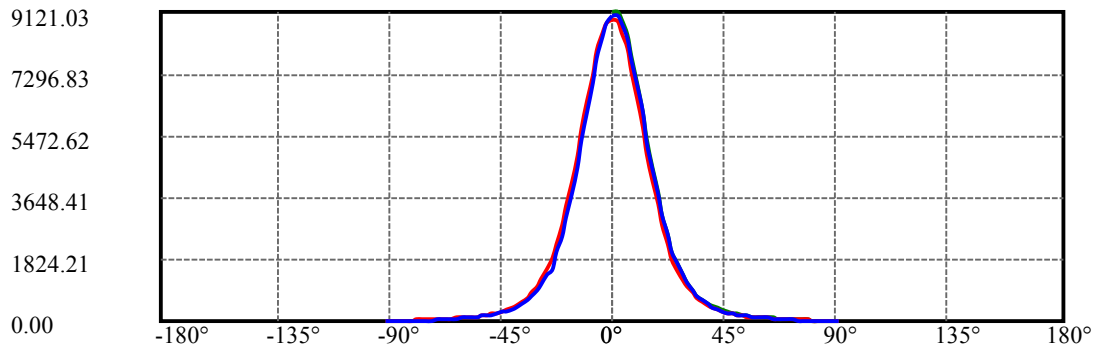
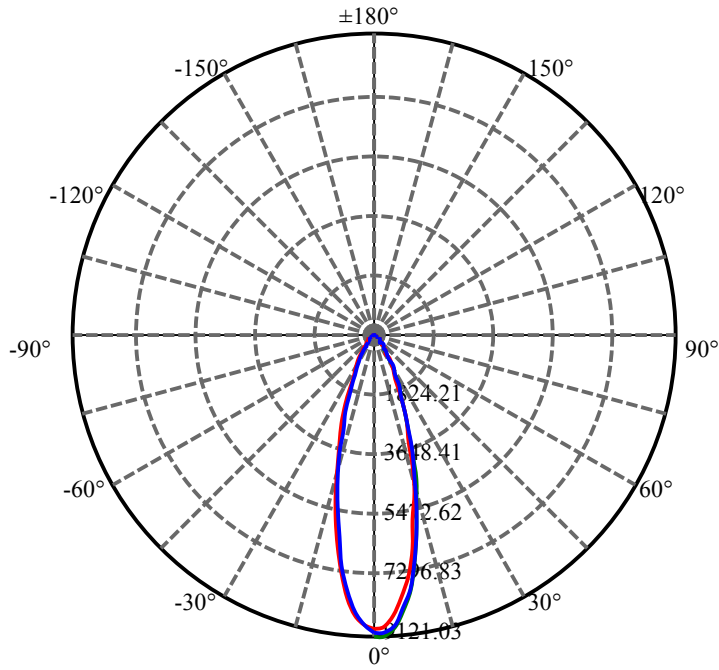
光束扩散角(10%Imax): [C0/180]Total=62.6

[C90/270]Total=62.1

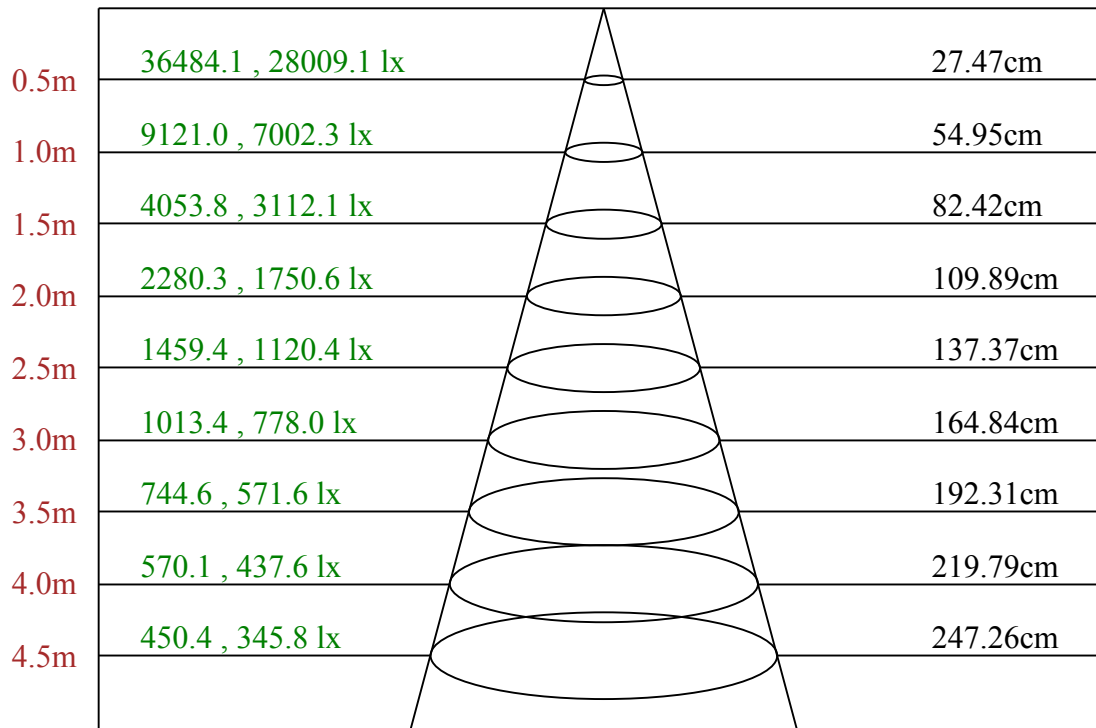
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/9
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

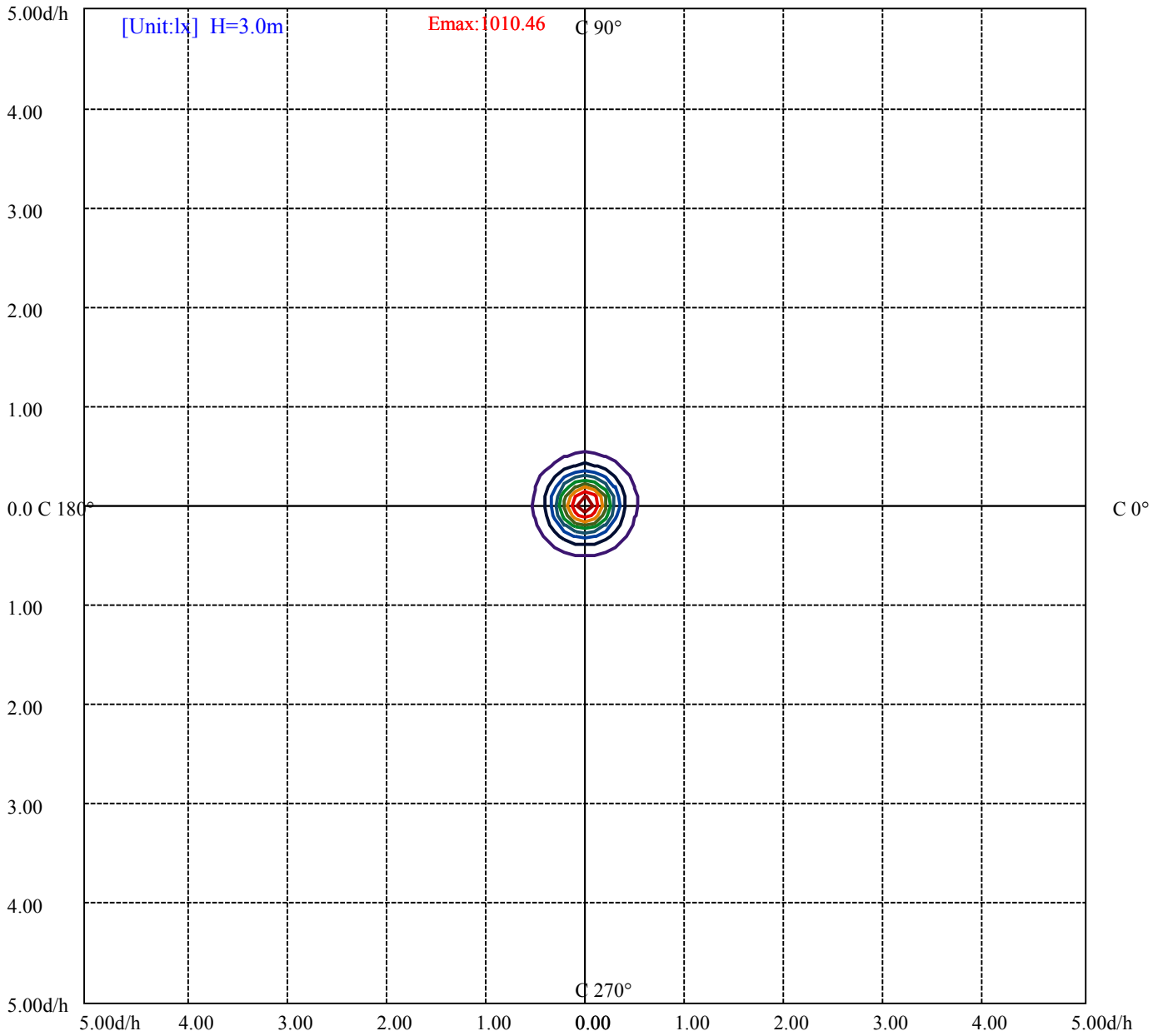


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角30.72

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平面等照度曲线



- (10%Emax) 101.0463
- (20%Emax) 202.0922
- (30%Emax) 303.1389
- (40%Emax) 404.1855
- (50%Emax) 505.2311
- (60%Emax) 606.2778
- (70%Emax) 707.3245
- (80%Emax) 808.37
- (90%Emax) 909.4167

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环境湿度(%): 60.0%

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

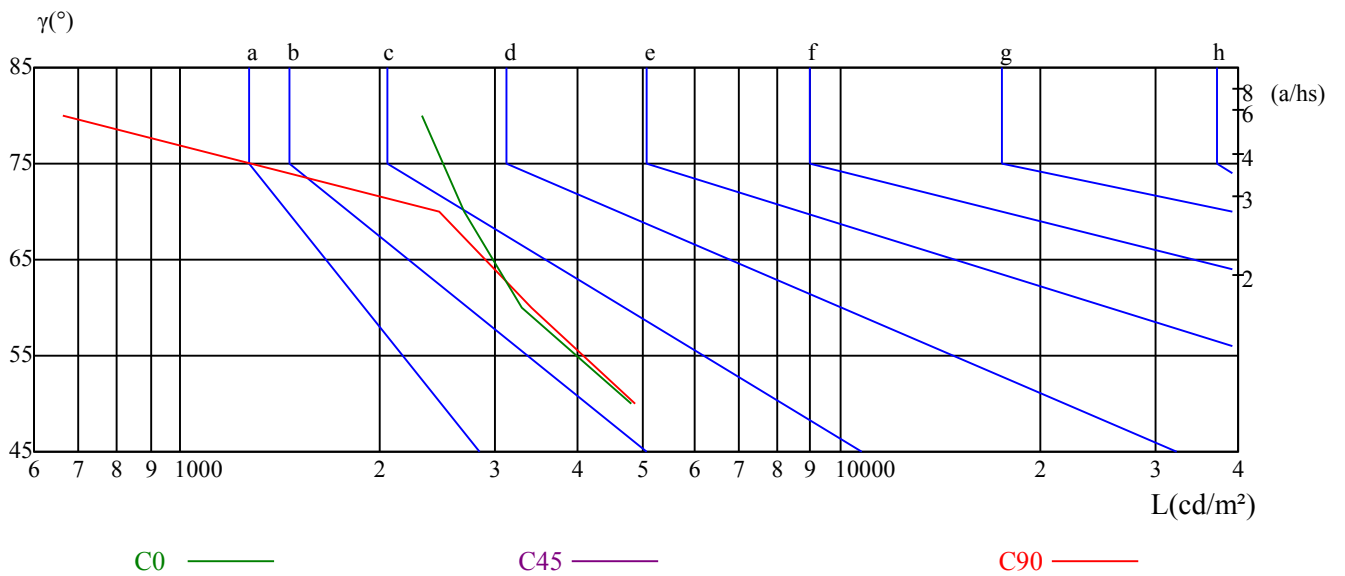
γ	45	50	55	60	65	70	75	80	85
C0	0	4822	0	3299	0	2694	0	2315	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4895	0	3396	0	2473	0	661	0

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

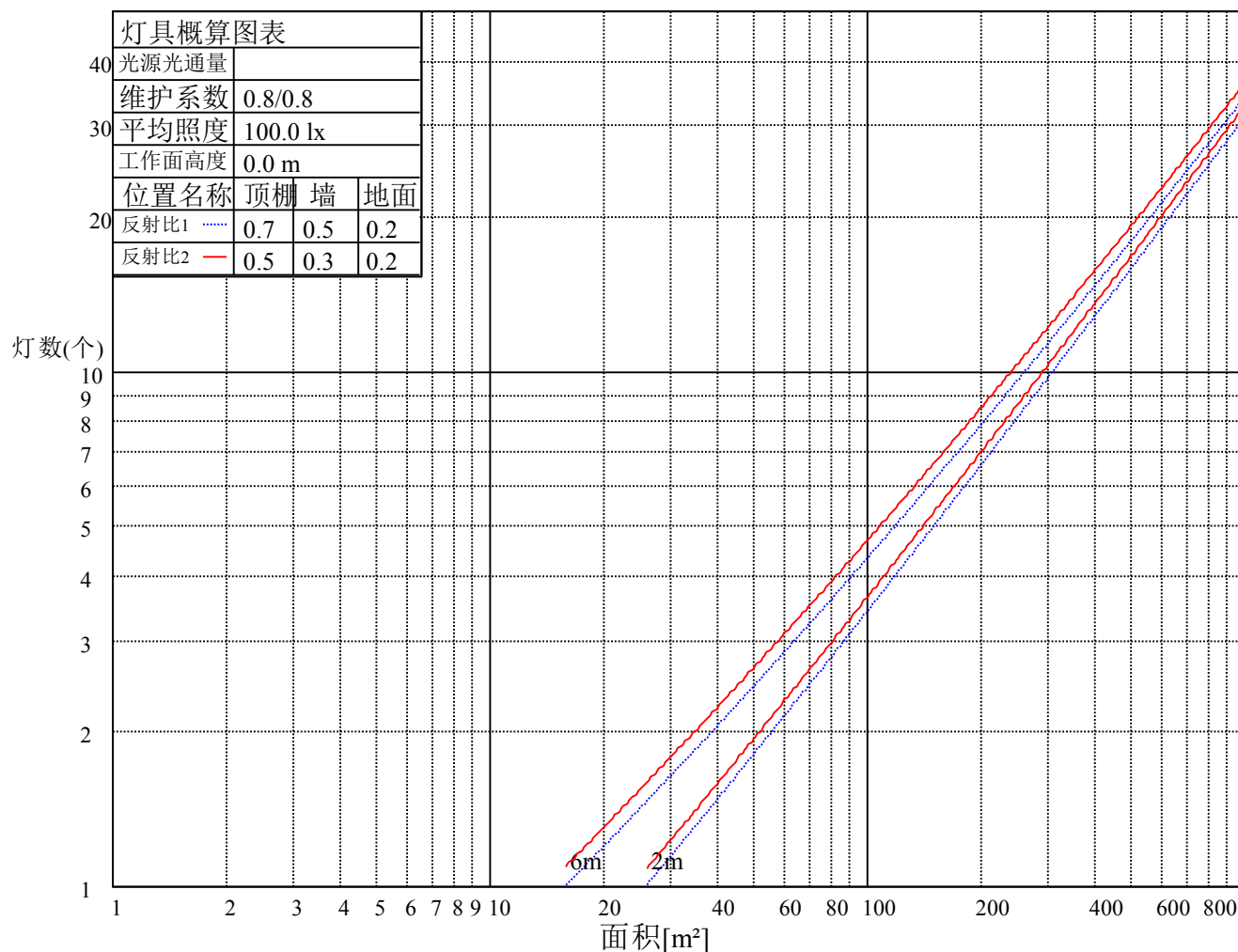
亮度限制曲线



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	7.21	8.27	7.58	8.58	8.89	7.31	8.37	7.68	8.68	8.99
	3H	8.26	9.19	8.64	9.52	9.89	8.59	9.52	8.98	9.86	10.22
	4H	8.37	9.23	8.78	9.59	9.97	9.11	9.97	9.51	10.32	10.71
	6H	8.33	9.12	8.75	9.50	9.89	9.48	10.27	9.90	10.64	11.04
	8H	8.29	9.03	8.73	9.43	9.83	9.60	10.34	10.03	10.73	11.14
	12H	8.25	8.96	8.69	9.35	9.78	9.75	10.46	10.18	10.84	11.27
4H	2H	7.59	8.45	8.00	8.81	9.20	7.67	8.54	8.08	8.89	9.28
	3H	8.82	9.53	9.24	9.94	10.34	9.20	9.90	9.61	10.31	10.72
	4H	8.98	9.61	9.42	10.03	10.48	9.85	10.47	10.28	10.90	11.34
	6H	8.96	9.50	9.43	9.95	10.42	10.25	10.79	10.72	11.24	11.71
	8H	8.91	9.41	9.39	9.86	10.34	10.40	10.90	10.87	11.35	11.82
	12H	8.87	9.31	9.36	9.79	10.27	10.55	10.99	11.04	11.47	11.95
8H	4H	9.12	9.62	9.59	10.07	10.54	9.92	10.42	10.40	10.87	11.35
	6H	9.11	9.51	9.62	10.01	10.50	10.44	10.84	10.95	11.34	11.83
	8H	9.07	9.42	9.60	9.94	10.44	10.65	11.00	11.18	11.52	12.02
	12H	9.77	10.08	10.29	10.58	11.15	11.31	11.61	11.83	12.11	12.69
12H	4H	9.11	9.54	9.60	10.03	10.51	9.87	10.30	10.36	10.79	11.27
	6H	9.44	9.47	9.65	9.94	10.49	10.72	10.75	10.93	11.23	11.77
	8H	9.10	9.40	9.62	9.90	10.48	10.63	10.94	11.15	11.43	12.01
对应照射距离，改变观察者位置S											
S = 1.0H	1.5/-1.5					1.2/-1.3					
S = 1.5H	3.0/-2.2					2.2/-1.7					
S = 2.0H	5.0/-2.7					3.9/-1.9					
标准表格	BK2					BK2					
更正系数	-2.8					-2.3					

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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	1.08	1.06	1.09	1.06	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.96	0.95	0.94
2	1.03	1.00	0.96	1.02	0.98	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
3	0.97	0.92	0.88	0.96	0.91	0.88	0.93	0.89	0.86	0.91	0.88	0.85	0.88	0.86	0.84	0.82
4	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.84	0.81	0.79	0.77
5	0.86	0.81	0.77	0.85	0.80	0.76	0.84	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.74	0.73
6	0.82	0.76	0.72	0.81	0.76	0.72	0.80	0.75	0.72	0.78	0.74	0.71	0.77	0.73	0.71	0.69
7	0.78	0.72	0.68	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.67	0.66
8	0.74	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.63
9	0.71	0.66	0.62	0.71	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58

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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	8917.68	8821.75	8504.06	8016.78	7349.16	6557.23	5722.32	4928.86	4117.74
30.0	9121.03	9109.52	8868.56	8439.60	7817.26	7044.51	6200.40	5383.91	4541.33
60.0	9067.31	9037.39	8776.48	8312.22	7653.04	6904.85	6071.48	5251.15	4422.39
90.0	9013.60	8996.72	8765.74	8319.12	7729.01	6963.17	6165.87	5267.27	4486.85
120.0	8979.83	8910.00	8636.82	8153.37	7525.66	6735.26	5895.75	5083.10	4267.38
150.0	8945.30	8888.52	8626.07	8128.05	7520.28	6742.93	5953.30	5117.63	4303.44
180.0	8917.68	8804.10	8474.13	7985.31	7271.65	6516.56	5690.86	4897.39	4105.46
210.0	9121.03	8923.82	8497.92	7927.76	7140.43	6339.29	5490.58	4647.23	3907.48
240.0	9067.31	8893.89	8486.41	7915.48	7176.50	6325.48	5463.72	4661.04	3869.88
270.0	9013.60	8806.41	8369.00	7752.80	7025.33	6167.40	5302.57	4505.26	3715.63
300.0	8979.83	8833.27	8451.88	7905.51	7186.48	6344.66	5524.34	4684.83	3879.85
330.0	8945.30	8797.20	8416.58	7857.93	7174.20	6351.57	5511.29	4667.18	3920.52
360.0	8917.68	8821.75	8504.06	8016.78	7349.16	6557.23	5722.32	4928.86	4117.74

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3431.71	2812.43	2269.13	1837.87	1491.01	1216.29	992.98	822.63	672.99
30.0	3805.42	3122.45	2534.64	2053.50	1679.79	1364.39	1115.00	922.39	758.93
60.0	3686.47	3021.16	2485.53	2018.97	1529.23	1346.90	1101.34	900.98	738.60
90.0	3737.12	3107.11	2521.60	2042.75	1672.11	1358.26	1105.79	903.97	741.29
120.0	3547.58	2904.52	2382.70	1931.49	1517.03	1280.14	1037.34	840.12	680.05
150.0	3601.30	2959.00	2404.96	1949.14	1595.37	1289.19	1056.68	857.93	696.78
180.0	3405.61	2813.97	2263.76	1861.65	1515.26	1240.31	1011.32	834.21	680.89
210.0	3226.05	2655.12	2150.19	1750.38	1428.85	1176.92	968.20	803.60	661.32
240.0	3176.94	2621.36	2115.66	1733.50	1394.32	1145.69	940.04	781.96	640.76
270.0	3048.02	2467.11	2013.59	1517.18	1346.74	1098.35	905.96	737.83	603.31
300.0	3187.68	2623.66	2111.05	1723.53	1383.58	1130.34	923.15	763.54	623.11
330.0	3232.96	2624.43	2144.82	1741.18	1433.77	1162.96	953.08	778.43	644.29
360.0	3431.71	2812.43	2269.13	1837.87	1491.01	1216.29	992.98	822.63	672.99

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	554.05	458.89	389.06	326.60	278.33	239.65	207.73	182.25	157.47
30.0	626.18	517.98	437.40	390.59	317.46	272.50	235.51	206.19	180.49
60.0	615.36	510.15	429.42	362.35	307.79	262.98	228.14	196.99	170.43
90.0	600.09	489.59	409.01	342.63	291.53	248.32	213.56	185.01	162.61
120.0	559.26	457.43	380.77	317.85	268.04	228.45	198.60	172.28	149.33
150.0	566.32	461.96	387.52	322.68	274.49	234.51	202.36	176.80	154.47
180.0	558.50	460.73	383.38	325.83	277.10	239.42	207.42	180.72	157.93
210.0	549.82	462.65	389.75	333.27	285.85	249.17	217.40	189.54	167.75
240.0	533.33	451.22	389.06	324.83	279.79	242.80	212.18	187.39	164.14
270.0	498.79	413.77	351.00	299.35	258.38	223.31	194.99	170.74	151.79
300.0	514.14	432.03	374.79	308.41	264.51	229.52	200.36	176.80	155.01
330.0	532.94	441.32	373.33	317.23	270.58	233.36	204.35	177.80	156.93
360.0	554.05	458.89	389.06	326.60	278.33	239.65	207.73	182.25	157.47

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	139.28	122.93	109.12	97.00	86.33	77.04	68.76	61.31	54.18
30.0	158.54	139.43	123.78	109.66	97.46	87.25	77.58	68.30	60.16
60.0	150.18	132.68	118.87	105.36	93.70	82.80	73.44	63.62	54.41
90.0	143.27	126.46	112.50	99.84	88.25	77.35	67.53	58.47	49.73
120.0	131.22	115.95	103.75	92.09	82.65	73.51	65.38	57.25	48.88
150.0	135.75	119.94	106.90	94.85	84.41	75.82	67.61	60.62	54.33
180.0	139.66	123.24	109.12	97.53	86.79	77.20	68.68	61.54	54.56
210.0	148.03	130.30	115.57	103.44	91.85	81.96	73.74	65.53	58.55
240.0	145.42	129.38	114.95	103.37	92.24	82.49	73.05	62.85	53.26
270.0	134.67	119.02	106.44	94.16	81.88	71.37	61.70	50.57	37.99
300.0	137.28	122.09	108.66	97.76	87.40	78.20	69.22	59.47	50.03
330.0	138.43	122.01	108.20	96.92	86.10	76.97	69.22	61.54	54.48
360.0	139.28	122.93	109.12	97.00	86.33	77.04	68.76	61.31	54.18

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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	47.96	41.75	35.76	29.47	23.64	18.49	13.58	8.29	3.38
30.0	53.49	47.35	40.75	34.38	26.63	16.81	5.22	1.53	1.00
60.0	46.04	36.07	24.79	12.28	7.98	3.99	2.76	2.07	1.69
90.0	39.14	27.17	15.19	10.82	6.75	4.07	3.45	2.69	2.23
120.0	41.44	32.46	22.48	12.12	7.83	4.07	2.69	2.15	1.76
150.0	47.81	41.21	35.53	29.77	23.17	15.65	5.22	1.61	1.07
180.0	48.19	42.05	35.99	29.70	24.02	19.03	14.43	9.13	4.30
210.0	51.64	44.81	38.06	30.62	21.26	7.75	2.23	1.23	0.69
240.0	42.13	28.16	13.20	8.36	4.30	2.76	2.30	1.84	0.77
270.0	23.94	13.28	9.44	5.60	3.61	3.15	2.61	1.84	0.54
300.0	39.98	26.47	12.58	8.21	4.30	2.69	2.23	1.84	0.69
330.0	48.50	42.13	35.68	28.16	19.57	6.52	2.00	1.15	0.61
360.0	47.96	41.75	35.76	29.47	23.64	18.49	13.58	8.29	3.38
C/γ(°)	90.0								
0.0	0.23								
30.0	0.46								
60.0	0.61								
90.0	0.92								
120.0	0.77								
150.0	0.46								
180.0	0.15								
210.0	0.15								
240.0	0.15								
270.0	0.15								
300.0	0.15								
330.0	0.15								
360.0	0.23								