

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3653A1-36-36DC-PC-A3(45-CL-36RGBWN-AA, L1000mm, C, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210407006

电流(A): 1.7020

光源规格型号: CL

功率(W): 61.1000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 30

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2630.23

灯具效能(lm/w): 43.05

中心光强(cd): 2910.657

最大光强(cd): 2972.815

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=49.8

[C90/270]Total=48.2

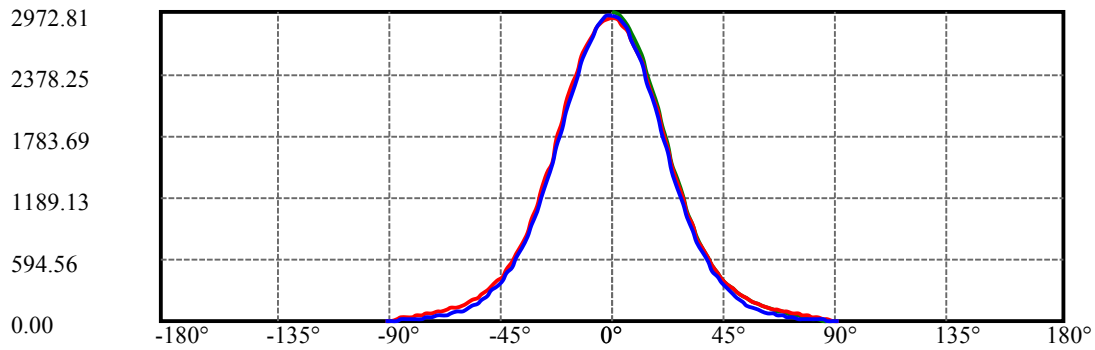
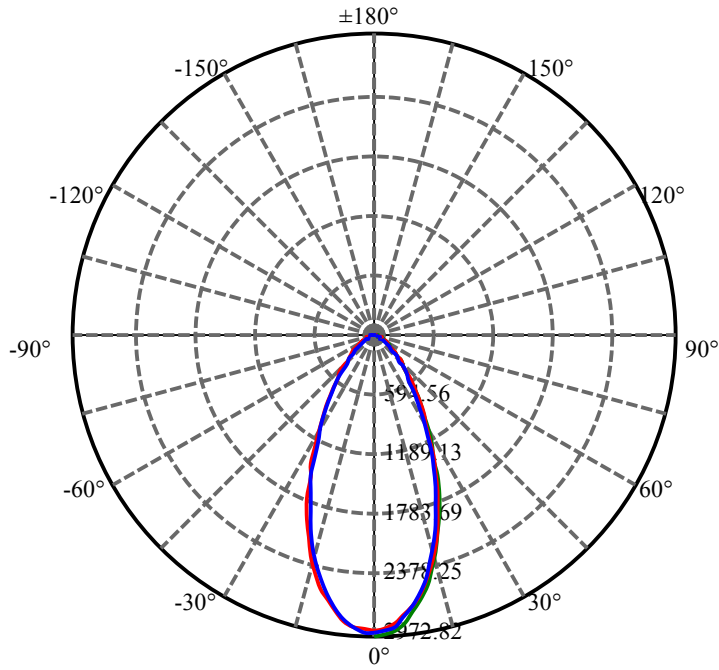
光束扩散角(10%Imax): [C0/180]Total=99.3

[C90/270]Total=94.4

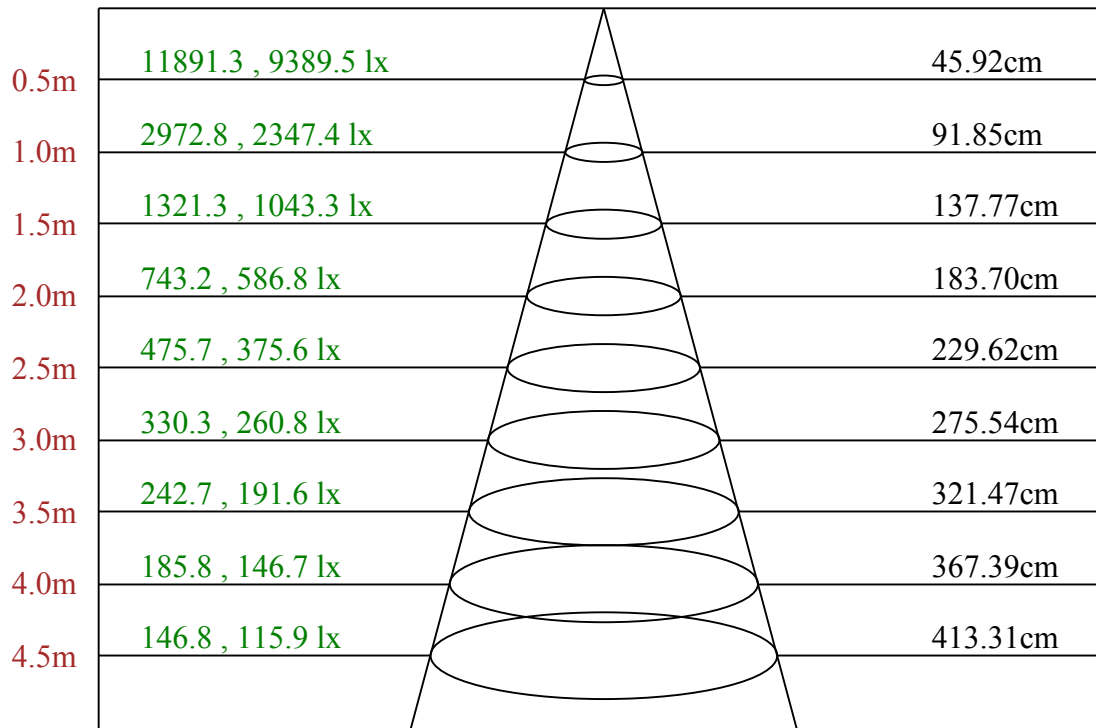
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/7
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

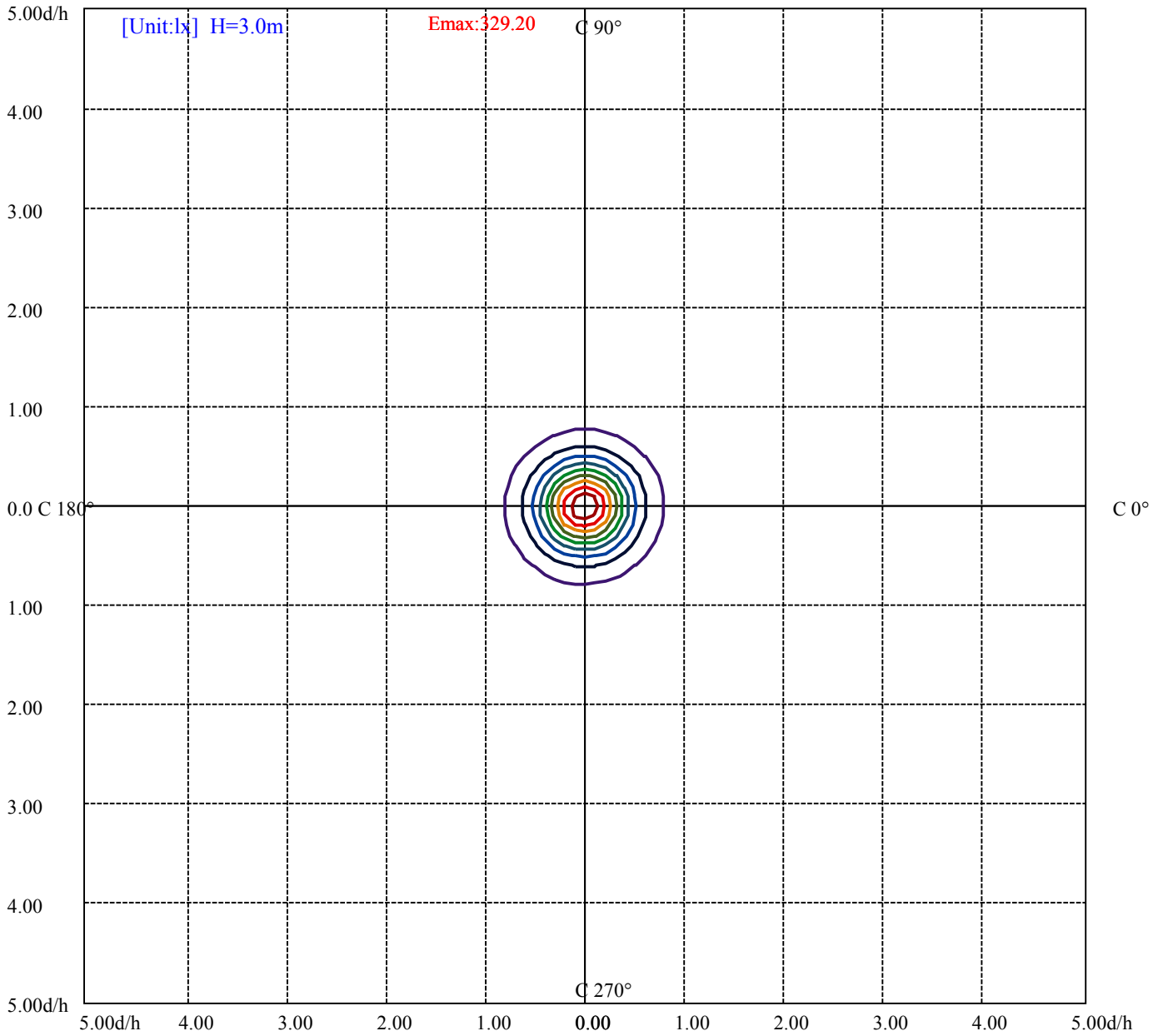


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角49.33

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平面等照度曲线



(10%Emax) 32.92044	—
(20%Emax) 65.84078	—
(30%Emax) 98.76122	—
(40%Emax) 131.6811	—
(50%Emax) 164.6022	—
(60%Emax) 197.5222	—
(70%Emax) 230.4422	—
(80%Emax) 263.3633	—
(90%Emax) 296.2833	—

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

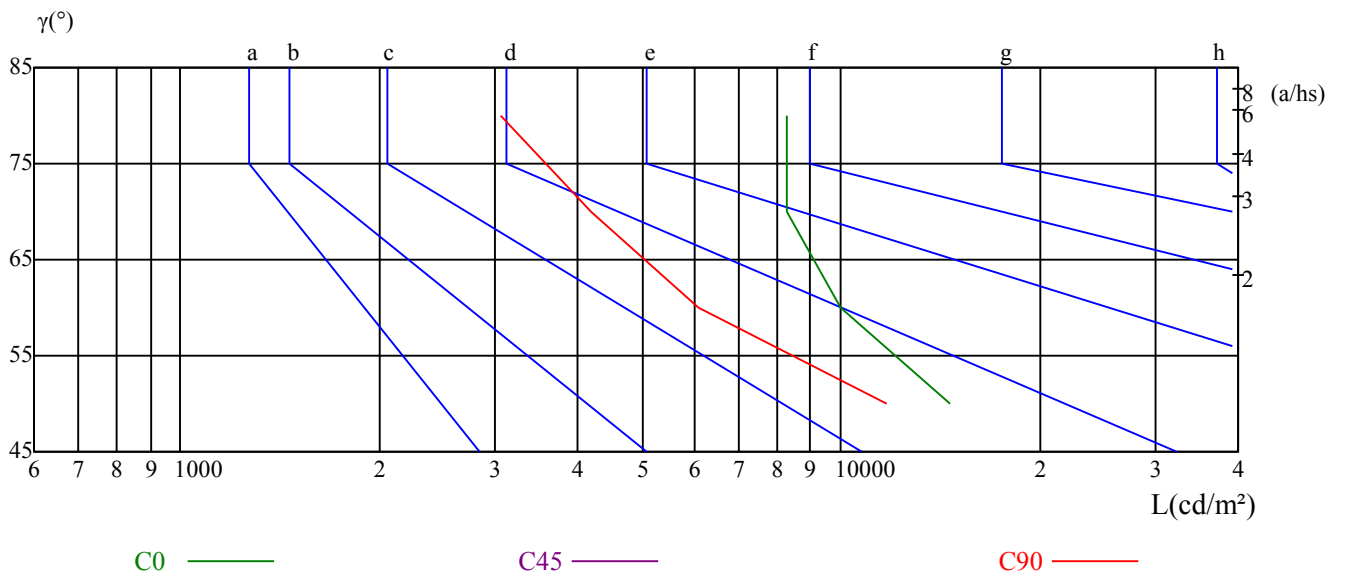
γ	45	50	55	60	65	70	75	80	85
C0	0	14626	0	9986	0	8288	0	8282	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11735	0	6082	0	4190	0	3051	0

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

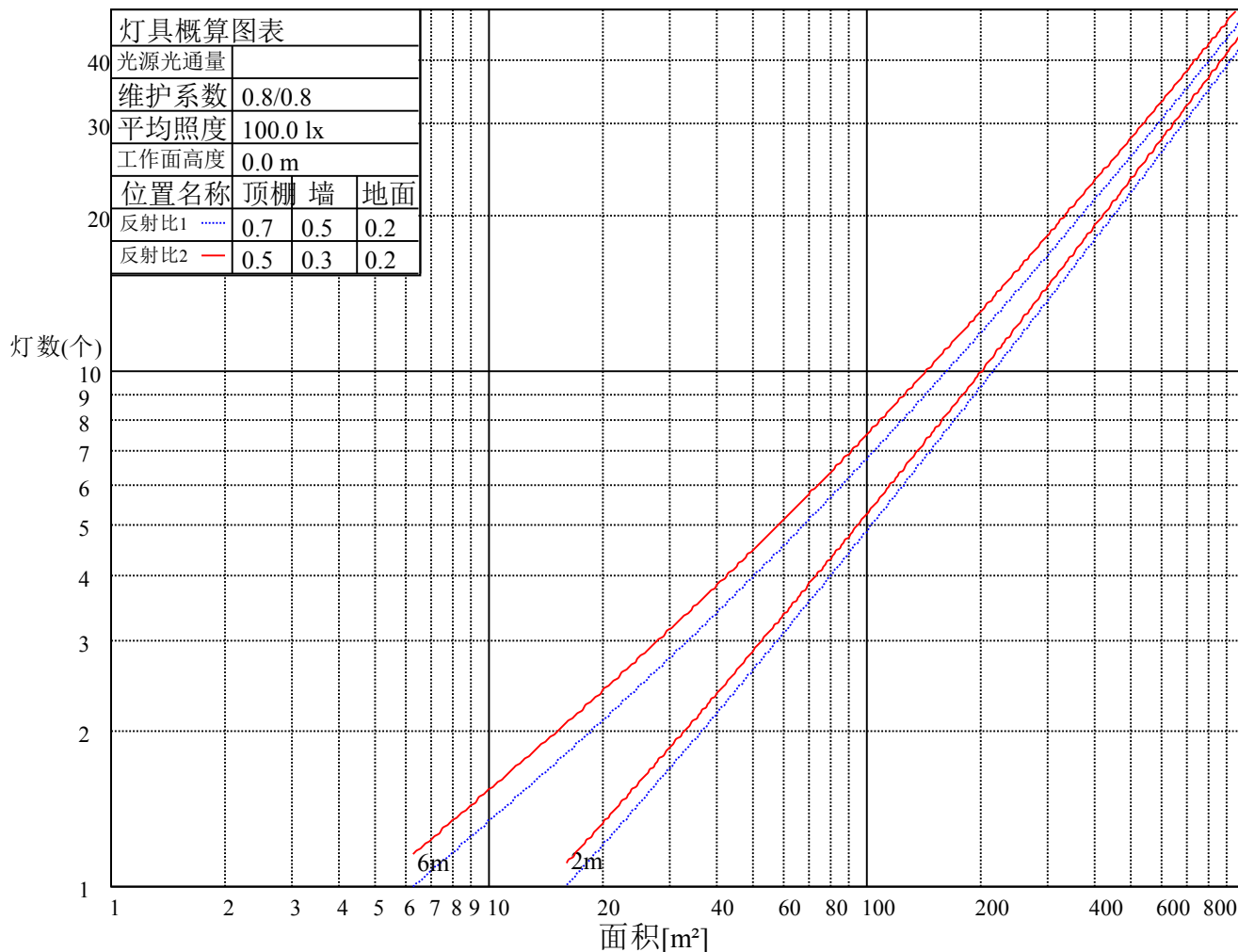
亮度限制曲线



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	12.75	13.96	13.12	14.27	14.59	14.63	15.84	15.00	16.15	16.47
	3H	13.50	14.58	13.88	14.91	15.27	15.85	16.92	16.23	17.25	17.61
	4H	13.69	14.69	14.10	15.04	15.43	16.36	17.35	16.76	17.71	18.09
	6H	13.80	14.71	14.22	15.09	15.48	16.80	17.72	17.22	18.09	18.49
	8H	13.83	14.70	14.27	15.09	15.50	16.98	17.85	17.41	18.24	18.64
	12H	13.91	14.74	14.35	15.12	15.55	17.24	18.06	17.67	18.45	18.88
4H	2H	13.21	14.21	13.62	14.56	14.95	14.81	15.81	15.21	16.16	16.54
	3H	14.12	14.93	14.53	15.34	15.74	16.23	17.04	16.64	17.45	17.85
	4H	14.36	15.09	14.80	15.51	15.96	16.83	17.56	17.27	17.98	18.43
	6H	14.49	15.12	14.95	15.56	16.03	17.30	17.92	17.76	18.37	18.84
	8H	14.54	15.12	15.01	15.57	16.05	17.52	18.11	17.99	18.56	19.03
	12H	14.64	15.15	15.12	15.63	16.11	17.81	18.32	18.30	18.81	19.28
8H	4H	14.54	15.13	15.02	15.58	16.05	16.83	17.41	17.30	17.86	18.34
	6H	14.71	15.19	15.22	15.69	16.17	17.34	17.82	17.85	18.31	18.80
	8H	14.80	15.22	15.33	15.74	16.24	17.61	18.03	18.13	18.55	19.04
	12H	15.47	15.84	15.99	16.34	16.91	18.42	18.79	18.94	19.29	19.86
12H	4H	14.54	15.05	15.03	15.54	16.01	16.79	17.30	17.28	17.79	18.26
	6H	15.21	15.15	15.26	15.62	16.16	17.79	17.73	17.84	18.20	18.74
	8H	14.84	15.22	15.36	15.71	16.29	17.59	17.96	18.11	18.46	19.04
对应照射距离，改变观察者位置S											
S = 1.0H	1.1/-1.7					0.7/-1.0					
S = 1.5H	2.4/-2.9					1.5/-1.6					
S = 2.0H	4.5/-3.3					3.3/-1.7					
标准表格	BK2					BK2					
更正系数	1.3					3.1					

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灯具的概算曲线



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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.96	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.86	0.84	0.83
3	0.92	0.86	0.81	0.90	0.85	0.81	0.88	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.75
4	0.85	0.78	0.73	0.83	0.78	0.73	0.81	0.76	0.72	0.79	0.75	0.71	0.77	0.73	0.70	0.69
5	0.78	0.72	0.67	0.77	0.71	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.65	0.63
6	0.73	0.66	0.61	0.72	0.66	0.61	0.71	0.65	0.61	0.69	0.64	0.60	0.68	0.63	0.60	0.58
7	0.68	0.61	0.57	0.68	0.61	0.57	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.56	0.54
8	0.64	0.57	0.53	0.63	0.57	0.53	0.62	0.56	0.52	0.61	0.56	0.52	0.60	0.55	0.52	0.50
9	0.60	0.54	0.49	0.60	0.53	0.49	0.59	0.53	0.49	0.58	0.52	0.49	0.57	0.52	0.49	0.47
10	0.57	0.50	0.46	0.56	0.50	0.46	0.55	0.50	0.46	0.55	0.49	0.46	0.54	0.49	0.46	0.44

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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	2910.66	2893.01	2852.34	2787.11	2701.16	2590.66	2470.18	2328.99	2167.84
30.0	2972.81	2957.47	2917.56	2850.80	2762.55	2649.75	2524.67	2378.10	2223.86
60.0	2952.86	2932.14	2880.73	2805.53	2710.37	2587.59	2449.46	2292.15	2131.77
90.0	2937.52	2920.63	2876.13	2802.46	2705.00	2582.99	2449.46	2295.99	2136.37
120.0	2925.24	2908.36	2860.78	2794.78	2698.86	2587.59	2454.07	2302.13	2145.58
150.0	2916.80	2909.12	2879.19	2823.18	2744.14	2642.08	2526.20	2388.07	2239.20
180.0	2910.66	2906.05	2878.43	2827.78	2754.11	2662.79	2546.15	2409.56	2262.99
210.0	2972.81	2964.37	2932.14	2875.36	2797.85	2691.96	2569.17	2424.14	2271.43
240.0	2952.86	2949.03	2916.80	2860.01	2778.67	2669.70	2543.08	2408.03	2245.34
270.0	2937.52	2928.31	2889.94	2824.71	2733.39	2618.29	2493.97	2343.57	2180.12
300.0	2925.24	2916.03	2878.43	2818.57	2733.39	2628.26	2500.11	2356.61	2194.70
330.0	2916.80	2899.91	2860.01	2795.55	2711.91	2600.64	2473.25	2327.45	2167.84
360.0	2910.66	2893.01	2852.34	2787.11	2701.16	2590.66	2470.18	2328.99	2167.84

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2008.99	1839.40	1660.60	1491.78	1336.77	1177.92	1037.49	915.48	796.54
30.0	2051.20	1875.47	1695.13	1519.40	1359.02	1199.41	1059.75	926.99	808.05
60.0	1959.11	1789.52	1610.72	1448.27	1282.75	1135.49	995.75	867.90	759.55
90.0	1962.18	1786.45	1617.63	1437.30	1283.05	1128.81	994.52	867.13	753.56
120.0	1974.46	1795.66	1618.40	1463.54	1296.87	1147.99	1006.11	876.88	761.31
150.0	2071.15	1896.95	1717.39	1549.33	1378.97	1217.06	1075.09	939.27	818.79
180.0	2099.54	1924.58	1745.78	1525.85	1415.58	1259.72	1109.70	971.96	853.86
210.0	2104.14	1924.58	1751.92	1530.15	1419.65	1245.22	1103.41	964.21	846.26
240.0	2084.19	1910.77	1729.67	1556.24	1388.18	1231.64	1084.30	956.92	831.84
270.0	2019.73	1844.00	1675.18	1514.34	1346.67	1189.05	1052.92	918.86	804.67
300.0	2028.17	1863.96	1685.16	1520.94	1356.72	1195.57	1052.07	926.22	802.68
330.0	2010.53	1834.03	1667.51	1505.90	1337.69	1179.38	1043.40	910.26	792.70
360.0	2008.99	1839.40	1660.60	1491.78	1336.77	1177.92	1037.49	915.48	796.54

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	695.24	606.23	529.49	464.26	409.01	357.90	314.55	276.41	243.57
30.0	703.68	615.44	536.40	466.56	409.78	360.05	317.46	278.86	245.64
60.0	660.10	576.68	495.49	431.88	373.48	324.68	280.17	241.19	206.96
90.0	656.87	567.86	488.82	418.99	362.97	309.10	264.44	221.77	185.24
120.0	666.16	577.45	499.25	435.10	375.94	324.14	279.56	242.49	207.88
150.0	716.73	623.88	543.30	473.47	415.15	364.20	321.22	281.93	248.32
180.0	745.05	648.89	565.02	496.65	433.87	379.24	334.50	293.29	256.69
210.0	738.91	642.14	562.56	491.73	428.43	374.86	331.35	290.53	256.15
240.0	722.87	629.25	548.67	475.77	415.92	359.59	311.63	269.27	233.13
270.0	699.62	604.00	521.59	454.36	389.83	333.89	287.69	243.95	205.20
300.0	704.45	612.37	528.72	461.96	396.73	347.16	301.12	262.67	225.99
330.0	695.63	603.77	528.72	458.97	402.57	352.53	311.94	274.03	242.11
360.0	695.24	606.23	529.49	464.26	409.01	357.90	314.55	276.41	243.57

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	214.25	188.39	166.14	146.80	130.91	116.03	103.75	92.85	83.34
30.0	216.71	191.77	167.98	146.57	128.54	111.96	97.99	84.33	72.67
60.0	176.57	151.33	128.00	108.89	92.24	78.35	66.76	57.32	47.96
90.0	154.55	127.23	105.67	89.40	77.35	67.15	58.63	50.26	42.13
120.0	177.34	151.86	128.46	108.28	91.62	78.43	66.84	57.25	48.04
150.0	219.09	193.69	169.44	147.64	129.30	112.42	98.22	84.41	72.75
180.0	224.84	198.29	173.66	153.63	135.52	120.32	107.05	96.23	85.87
210.0	227.99	200.21	175.88	153.94	134.21	116.49	101.98	88.02	75.74
240.0	200.90	171.82	147.03	124.70	105.21	88.56	75.89	64.31	54.02
270.0	174.12	144.11	119.40	100.07	85.18	73.21	63.39	54.87	46.66
300.0	195.30	168.75	143.65	122.40	103.29	87.86	74.67	63.16	53.03
330.0	215.94	190.23	167.59	147.18	128.84	112.11	97.69	84.95	73.13
360.0	214.25	188.39	166.14	146.80	130.91	116.03	103.75	92.85	83.34

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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	74.44	65.99	58.17	50.26	42.28	34.07	25.55	15.96	6.29
30.0	60.70	49.04	38.83	28.78	19.80	10.90	5.91	4.83	2.23
60.0	39.06	30.16	21.72	15.50	12.66	11.59	8.67	4.99	1.38
90.0	33.76	26.70	20.57	16.27	15.58	13.28	9.36	5.29	1.53
120.0	39.06	29.93	21.79	15.58	12.58	11.59	8.59	4.99	1.46
150.0	60.70	49.73	38.91	29.01	19.95	10.97	5.91	4.91	2.30
180.0	76.58	68.53	60.24	52.18	44.28	36.30	27.93	18.95	9.21
210.0	64.46	52.34	41.05	30.70	21.33	11.82	6.37	4.99	2.92
240.0	45.58	36.91	27.47	19.18	14.04	11.66	10.51	7.98	4.22
270.0	38.37	30.39	23.33	18.11	15.04	14.20	11.97	8.59	4.37
300.0	44.74	35.84	26.93	18.72	13.51	11.36	10.28	7.60	3.99
330.0	62.23	49.96	39.52	29.47	20.18	11.13	5.99	4.68	2.69
360.0	74.44	65.99	58.17	50.26	42.28	34.07	25.55	15.96	6.29
C/γ(°)	90.0								
0.0	0.23								
30.0	0.15								
60.0	0.23								
90.0	0.23								
120.0	0.15								
150.0	0.15								
180.0	0.38								
210.0	0.31								
240.0	0.77								
270.0	0.77								
300.0	0.69								
330.0	0.31								
360.0	0.23								