

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (3015-XL-9RGBWN-C, CT)

报告编号:

电压(V): 36.2000

测试编号: 20210224004

电流(A): 0.9970

光源规格型号: XL

功率(W): 36.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2203.91

灯具效能(lm/w): 61.05

中心光强(cd): 11696.340

最大光强(cd): 13053.830

最大光强角度: $C=240.0 \gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=12.9

[C90/270]Total=28.0

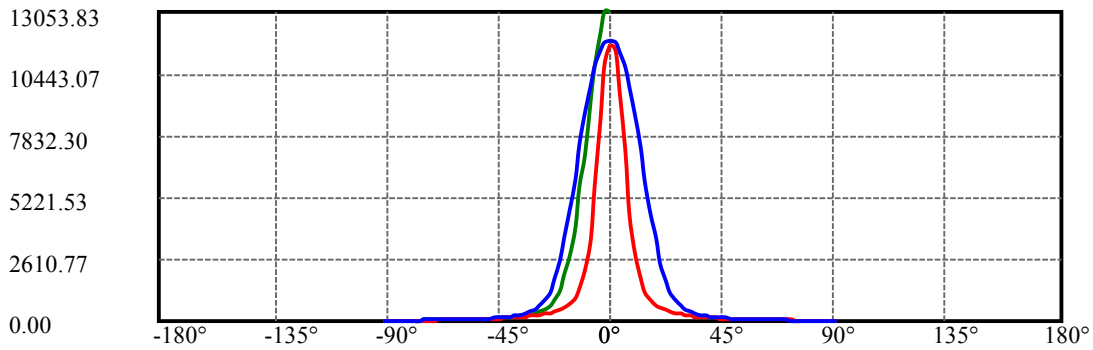
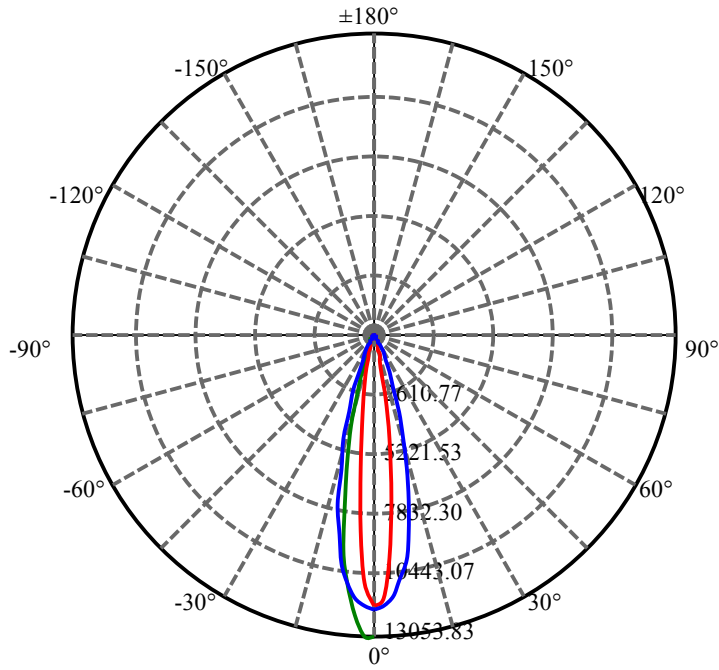
光束扩散角(10%Imax): [C0/180]Total=27.2

[C90/270]Total=48.5

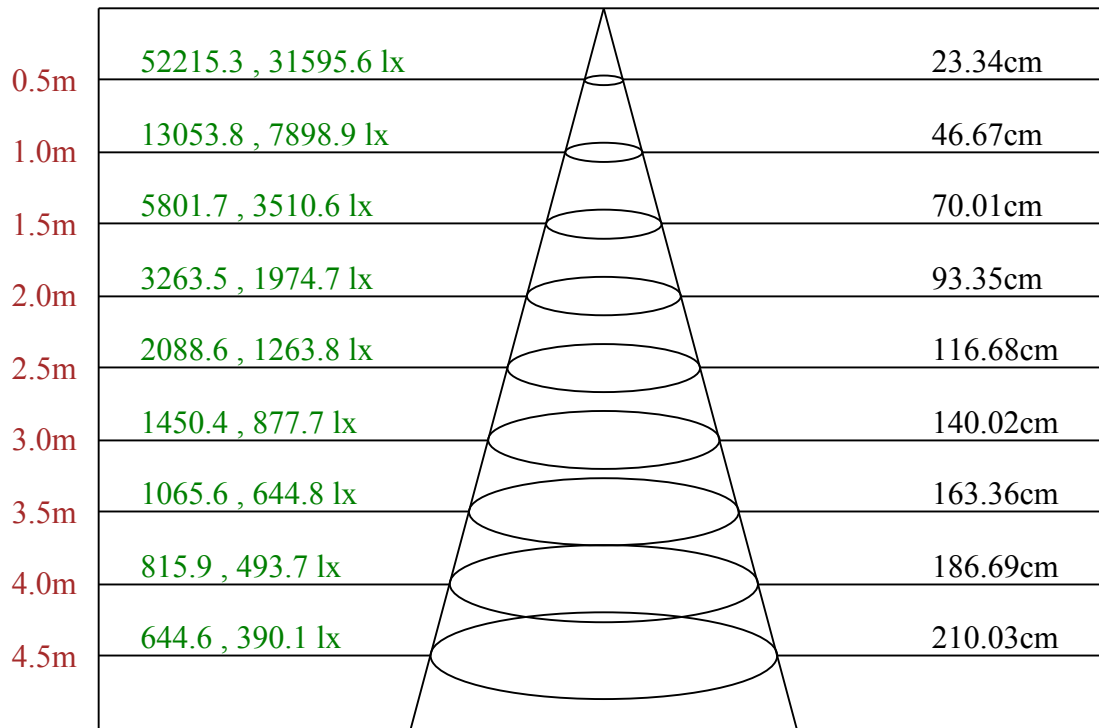
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

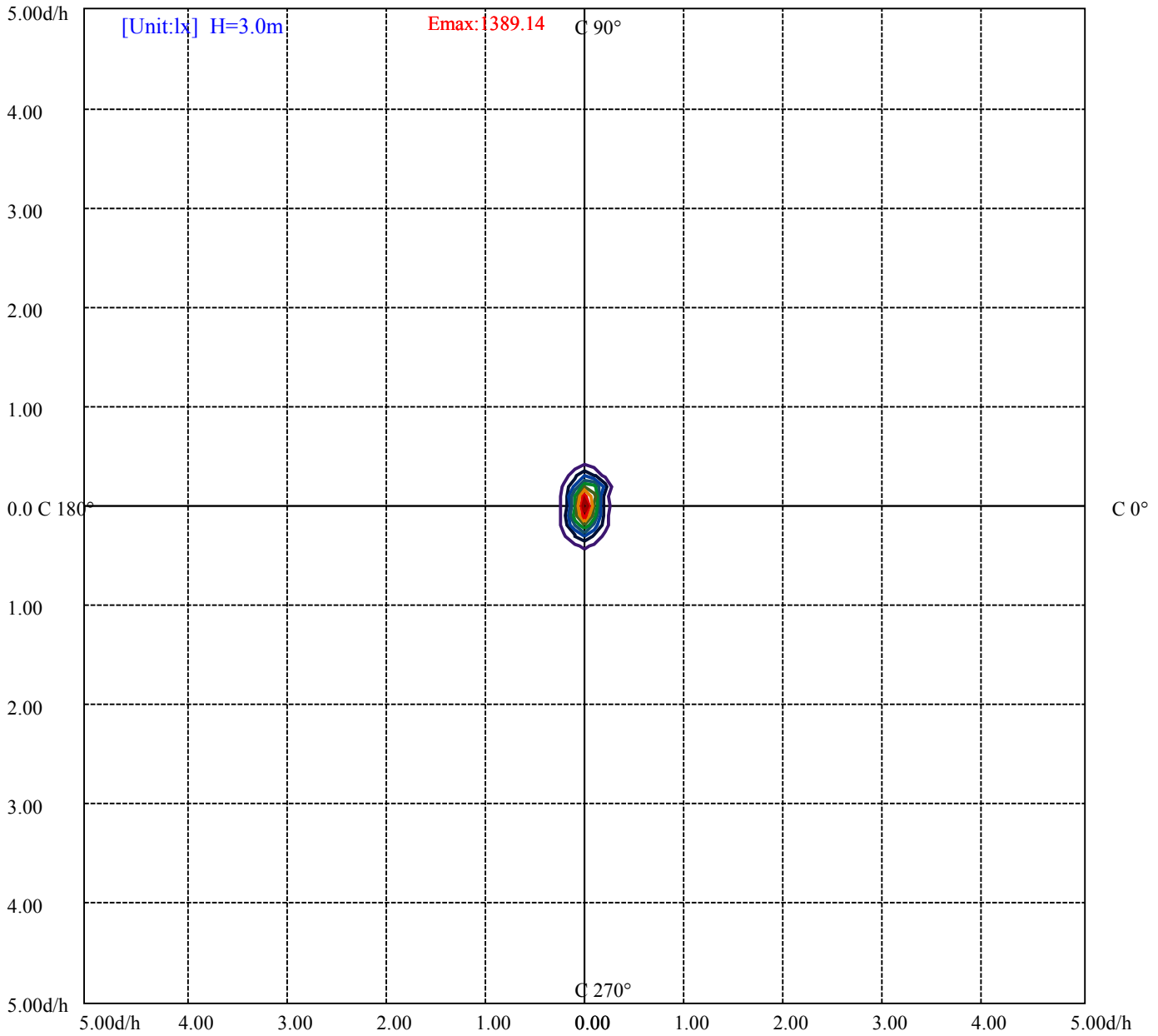


C240(Max): —
C0/C180: —
C90/C270: —



Max , Ave C240面光束角26.23

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平面等照度曲线



- (10%Emax) 138.9133
- (20%Emax) 277.8267
- (30%Emax) 416.74
- (40%Emax) 555.6522
- (50%Emax) 694.5656
- (60%Emax) 833.4789
- (70%Emax) 972.3923
- (80%Emax) 1111.3
- (90%Emax) 1250.222

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

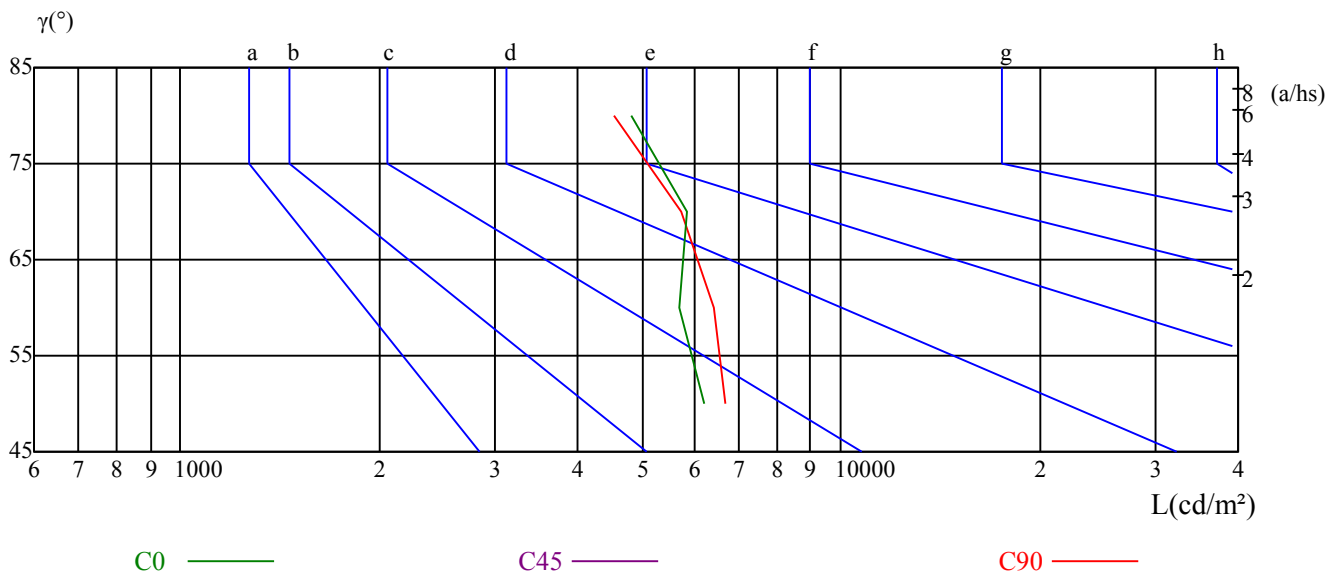
γ	45	50	55	60	65	70	75	80	85
C0	0	6225	0	5701	0	5836	0	4830	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6672	0	6407	0	5735	0	4540	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
635253	718558	0	640881	606287	0	406730	365088	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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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	11.35	12.42	11.72	12.73	13.05	10.77	11.84	11.14	12.15	12.47
	3H	13.46	14.41	13.84	14.74	15.11	12.74	13.68	13.12	14.02	14.38
	4H	14.13	15.01	14.54	15.36	15.75	13.41	14.29	13.81	14.64	15.03
	6H	14.59	15.40	15.01	15.78	16.17	13.81	14.62	14.23	15.00	15.39
	8H	14.72	15.49	15.16	15.88	16.29	13.92	14.68	14.35	15.07	15.48
	12H	14.86	15.58	15.29	15.97	16.40	14.02	14.75	14.46	15.13	15.57
4H	2H	11.96	12.84	12.37	13.20	13.58	11.52	12.40	11.93	12.76	13.15
	3H	14.33	15.06	14.75	15.47	15.87	13.76	14.49	14.17	14.89	15.30
	4H	15.16	15.81	15.60	16.23	16.68	14.58	15.23	15.02	15.65	16.10
	6H	15.64	16.19	16.10	16.64	17.12	15.00	15.56	15.47	16.01	16.48
	8H	15.81	16.32	16.28	16.77	17.25	15.13	15.65	15.61	16.10	16.57
	12H	15.94	16.39	16.43	16.88	17.35	15.23	15.69	15.72	16.17	16.65
8H	4H	15.47	15.99	15.94	16.44	16.91	14.97	15.49	15.45	15.94	16.41
	6H	16.11	16.52	16.61	17.02	17.51	15.55	15.96	16.05	16.46	16.95
	8H	16.35	16.72	16.88	17.24	17.73	15.75	16.11	16.28	16.64	17.13
	12H	16.98	17.29	17.50	17.79	18.37	16.33	16.64	16.85	17.14	17.72
12H	4H	15.46	15.92	15.95	16.40	16.88	14.99	15.44	15.48	15.93	16.40
	6H	16.49	16.51	16.68	16.98	17.53	15.96	15.98	16.14	16.45	16.99
	8H	16.43	16.75	16.95	17.25	17.83	15.86	16.18	16.38	16.67	17.25
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					0.2/-0.7					
S = 1.5H	0.8/-0.7					0.7/-0.6					
S = 2.0H	1.5/-0.7					0.7/-0.7					
标准表格	BK4					BKBF					
更正系数	0.4					3.0					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	11696.34	11364.07	9681.98	7095.93	4505.26	2811.67	1751.15	1177.15	857.93
30.0	11987.18	11469.20	9842.36	7479.61	5155.23	3288.97	2111.82	1428.85	1003.73
60.0	13017.00	13032.35	11974.90	10378.76	11106.23	8211.69	6683.08	7761.24	6086.06
90.0	11852.89	11733.95	11355.63	10730.22	9860.78	8675.19	7283.93	5879.63	4542.87
120.0	11786.90	11403.97	10583.65	9299.06	7768.15	6056.90	4437.74	3092.53	2147.12
150.0	11763.87	11153.81	9599.11	7271.65	4864.40	3075.64	1966.78	1329.86	936.97
180.0	11696.34	10757.84	8529.38	5737.67	3473.91	2172.44	1413.97	1001.89	754.48
210.0	11987.18	11489.15	9886.11	7440.48	5156.77	3271.32	2073.45	1428.09	1005.65
240.0	13017.00	13053.83	12187.47	10801.58	9394.98	7032.23	5636.38	4004.94	2775.60
270.0	11852.89	11766.18	11403.21	10773.19	9964.38	8817.15	7474.24	5963.28	4680.23
300.0	11786.90	11679.46	11053.28	10003.51	8558.54	6894.11	5166.74	3764.75	2600.64
330.0	11763.87	11371.74	9904.52	7568.63	5319.45	3405.61	2153.26	1442.97	1022.99
360.0	11696.34	11364.07	9681.98	7095.93	4505.26	2811.67	1751.15	1177.15	857.93
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	671.45	543.30	451.22	390.59	331.05	289.07	253.69	226.61	201.21
30.0	765.07	600.09	491.12	415.92	351.84	304.34	263.67	231.13	202.05
60.0	1508.97	1073.87	791.93	596.71	472.55	382.00	315.85	267.51	227.60
90.0	3470.07	2449.46	1735.80	1202.48	861.76	626.18	473.47	387.52	303.34
120.0	1466.53	1013.09	741.59	557.19	440.86	356.60	295.36	248.94	213.33
150.0	714.43	560.18	456.59	387.52	325.83	279.09	243.49	212.49	186.86
180.0	598.94	489.82	413.31	351.61	303.65	267.81	236.04	209.03	186.17
210.0	752.87	604.92	494.80	417.07	353.15	305.34	263.90	232.05	202.66
240.0	1905.39	1298.40	874.81	647.67	504.93	409.78	335.96	282.16	241.42
270.0	3508.44	2592.20	1807.17	1253.43	903.66	655.34	491.43	384.76	311.86
300.0	1748.08	1227.80	870.20	647.67	498.03	397.50	325.21	275.41	234.20
330.0	755.10	599.78	485.29	402.49	341.56	294.21	253.77	221.69	195.53
360.0	671.45	543.30	451.22	390.59	331.05	289.07	253.69	226.61	201.21
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	179.26	160.69	144.27	130.38	119.94	111.58	103.90	97.38	91.16
30.0	177.95	159.00	142.81	129.84	119.10	110.43	102.67	96.23	90.32
60.0	196.29	171.59	153.17	137.67	125.85	115.80	107.51	100.37	94.08
90.0	250.24	211.57	180.49	154.63	137.51	124.01	113.34	104.36	97.46
120.0	186.47	163.83	146.65	132.14	120.48	111.19	103.75	97.07	91.24
150.0	166.67	149.25	134.90	123.09	113.88	105.36	98.30	92.39	86.94
180.0	167.98	151.48	138.28	126.62	116.03	106.44	98.45	92.01	86.33
210.0	178.41	159.84	143.42	130.30	119.79	110.89	103.06	96.54	90.70
240.0	206.12	179.80	158.69	142.27	129.15	118.87	109.73	102.37	95.85
270.0	256.00	217.93	184.48	157.31	139.97	125.62	114.57	105.67	98.45
300.0	200.67	176.50	155.93	138.97	126.08	116.03	107.05	100.30	93.93
330.0	172.28	153.86	138.90	126.08	115.80	106.82	99.76	93.31	87.79
360.0	179.26	160.69	144.27	130.38	119.94	111.58	103.90	97.38	91.16
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	85.10	79.50	74.44	69.37	64.92	61.08	56.94	53.10	48.57
30.0	85.03	80.19	75.74	71.90	67.99	64.46	60.85	57.02	53.03
60.0	89.02	84.10	79.88	76.05	72.44	68.83	65.07	60.55	55.33
90.0	91.47	86.33	82.19	77.97	73.98	69.75	65.00	56.71	47.73
120.0	86.48	81.65	77.74	74.05	70.83	67.30	63.54	59.39	54.10
150.0	82.26	77.81	73.67	69.75	65.99	62.62	59.01	55.40	51.41
180.0	81.65	76.35	70.68	65.15	60.16	54.48	48.11	43.66	39.83
210.0	85.49	81.11	76.51	72.67	68.76	65.07	61.16	57.32	53.10
240.0	90.32	85.41	80.88	77.04	73.51	70.06	65.76	61.70	56.79
270.0	92.32	87.33	82.88	78.50	74.44	69.98	65.53	60.55	54.87
300.0	88.09	83.18	78.96	75.43	72.06	68.68	65.00	61.01	56.25
330.0	82.80	78.43	73.98	70.21	66.38	62.77	59.39	55.63	51.87
360.0	85.10	79.50	74.44	69.37	64.92	61.08	56.94	53.10	48.57

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	43.59	37.60	31.31	25.86	20.41	15.12	10.28	4.76	0.54
30.0	48.42	43.28	36.91	29.54	22.71	16.50	9.98	3.84	0.46
60.0	49.88	43.89	36.53	29.01	22.56	16.04	9.90	3.53	0.38
90.0	37.99	31.46	24.71	21.49	19.18	14.58	9.44	4.07	0.46
120.0	48.73	42.44	35.07	28.32	22.10	15.73	9.67	2.92	0.23
150.0	47.12	42.05	30.70	21.87	16.35	12.89	9.13	3.45	0.23
180.0	34.38	26.55	20.34	14.50	12.58	11.51	7.06	2.30	0.31
210.0	48.50	43.43	36.99	29.62	23.10	16.81	10.28	4.07	0.38
240.0	51.26	45.89	38.98	31.46	24.48	18.34	11.66	4.99	0.54
270.0	48.65	40.90	34.30	28.09	22.18	16.27	10.67	4.83	0.46
300.0	50.95	45.28	38.45	31.00	24.63	18.26	11.97	5.22	0.61
330.0	47.58	42.67	36.76	29.08	22.94	16.50	10.13	4.60	0.46
360.0	43.59	37.60	31.31	25.86	20.41	15.12	10.28	4.76	0.54
C/γ(°)	90.0								
0.0	0.31								
30.0	0.23								
60.0	0.15								
90.0	0.15								
120.0	0.23								
150.0	0.15								
180.0	0.23								
210.0	0.15								
240.0	0.15								
270.0	0.15								
300.0	0.23								
330.0	0.23								
360.0	0.31								