

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3081A-12-UN-RC-Y (30-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.1000

测试编号: 20210225009

电流(A): 0.2780

光源规格型号: XL

功率(W): 53.9000

每个光源光通量(lm)

功率因数: 0.9600

光源数量: 12

镇流器型号:

发光面长度(mm): 320

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2011.41

灯具效能(lm/w): 37.32

中心光强(cd): 4832.167

最大光强(cd): 4961.854

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=30.6

[C90/270]Total=30.6

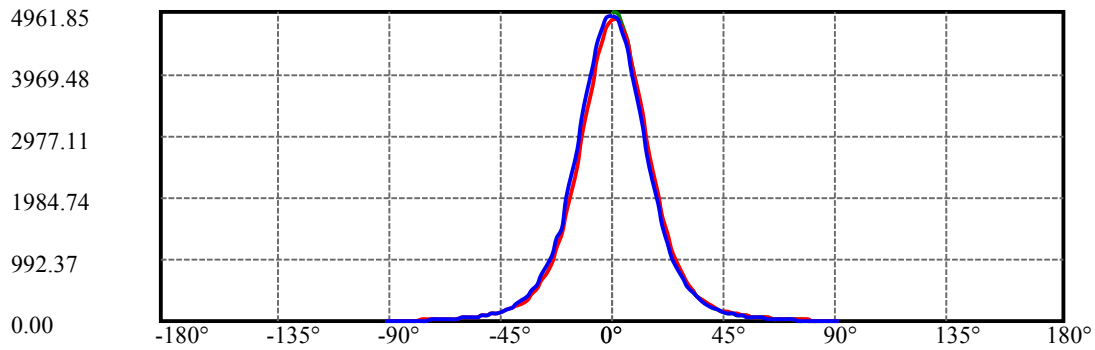
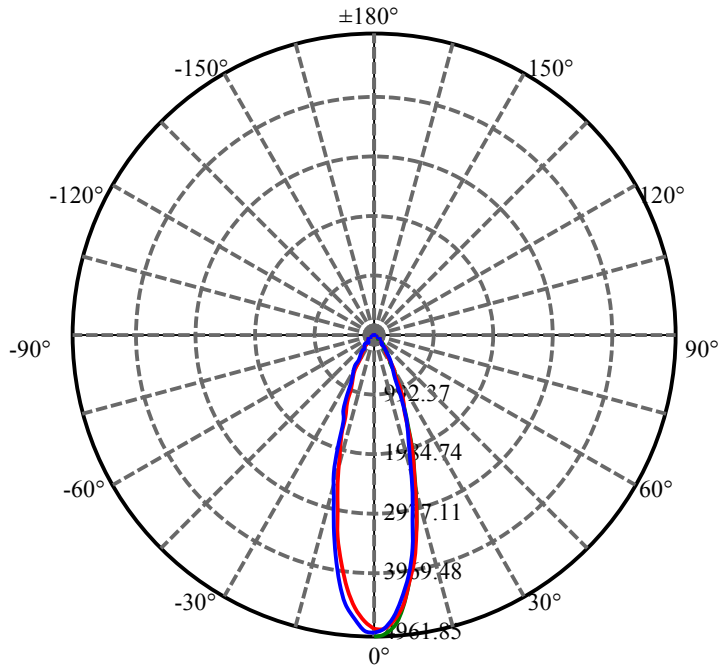
光束扩散角(10%Imax): [C0/180]Total=63.3

[C90/270]Total=63.4

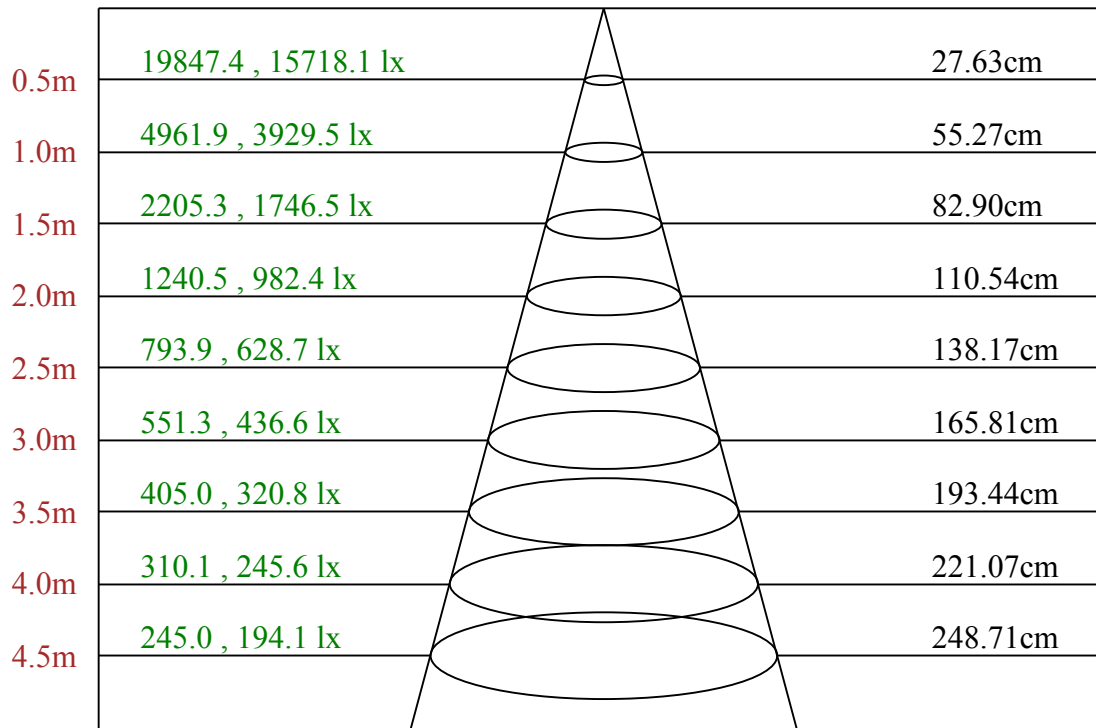
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

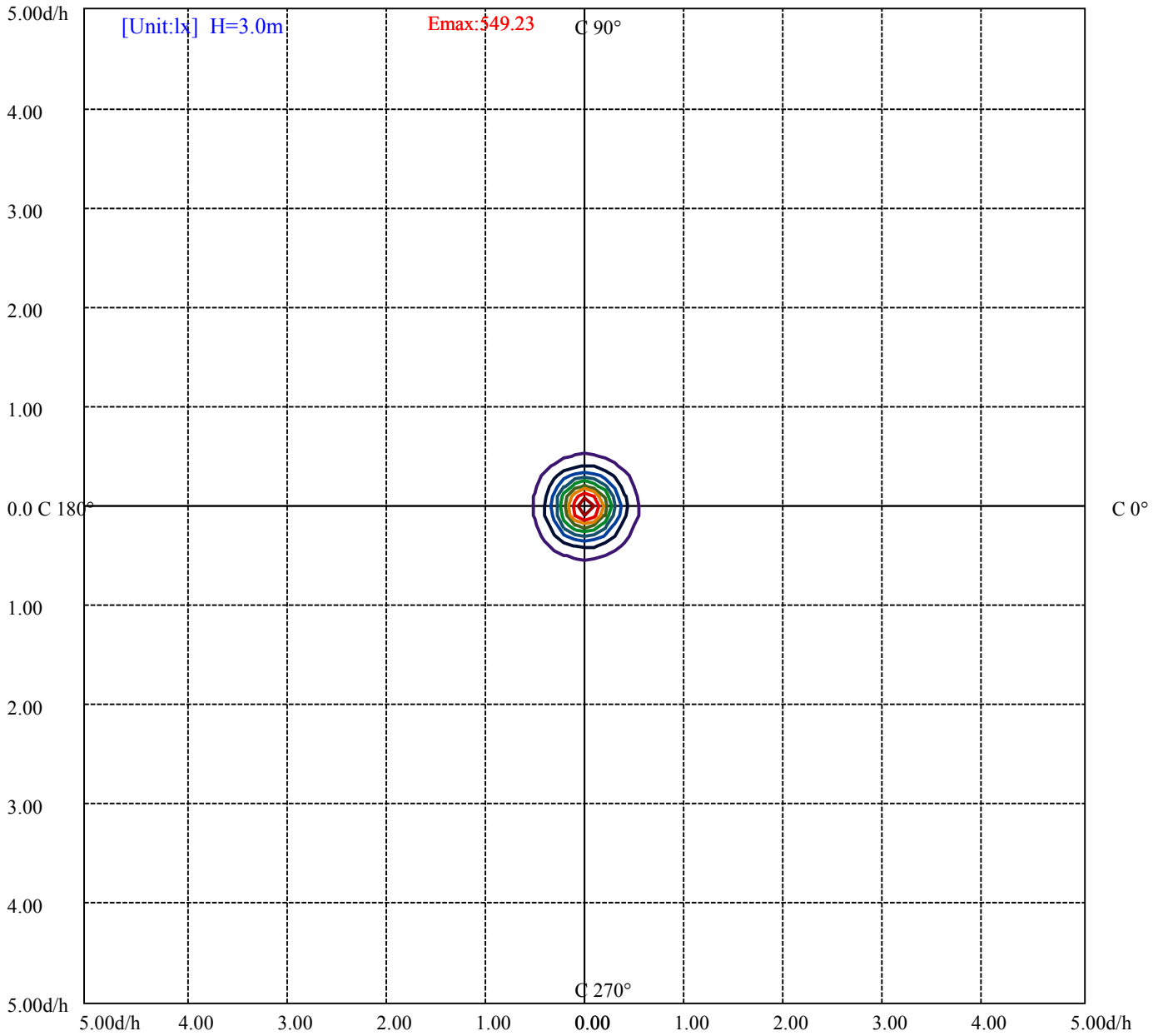


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角30.89

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平面等照度曲线



(10%Emax) 54.92266	——
(20%Emax) 109.8454	——
(30%Emax) 164.7678	——
(40%Emax) 219.6911	——
(50%Emax) 274.6133	——
(60%Emax) 329.5367	——
(70%Emax) 384.4589	——
(80%Emax) 439.3822	——
(90%Emax) 494.3045	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

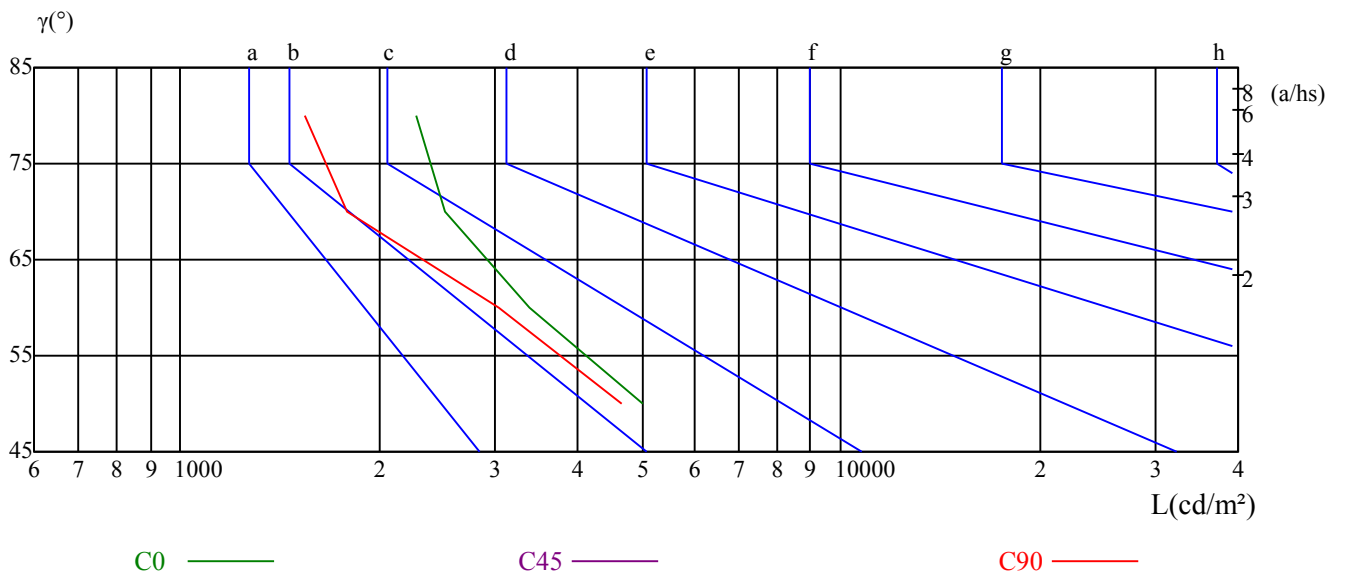
γ	45	50	55	60	65	70	75	80	85
C0	0	5031	0	3389	0	2524	0	2275	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4644	0	3028	0	1783	0	1539	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
584304	513808	0	522416	405606	0	525842	166895	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	9.10	10.15	9.46	10.46	10.78	9.32	10.38	9.69	10.69	11.00
	3H	9.79	10.72	10.17	11.05	11.42	10.45	11.37	10.83	11.71	12.07
	4H	10.01	10.88	10.42	11.23	11.62	10.83	11.69	11.24	12.04	12.43
	6H	10.19	10.97	10.60	11.35	11.74	11.11	11.90	11.53	12.27	12.67
	8H	10.22	10.96	10.66	11.35	11.76	11.19	11.93	11.62	12.32	12.73
	12H	10.24	10.95	10.67	11.33	11.76	11.28	11.99	11.72	12.37	12.81
4H	2H	9.45	10.31	9.85	10.66	11.05	9.64	10.50	10.04	10.85	11.24
	3H	10.27	10.97	10.68	11.38	11.79	10.99	11.70	11.41	12.10	12.51
	4H	10.57	11.19	11.00	11.62	12.06	11.48	12.10	11.92	12.53	12.98
	6H	10.77	11.31	11.24	11.76	12.23	11.77	12.31	12.24	12.76	13.23
	8H	10.82	11.32	11.30	11.77	12.25	11.88	12.38	12.35	12.83	13.30
	12H	10.85	11.28	11.34	11.77	12.24	11.98	12.41	12.47	12.90	13.38
8H	4H	10.70	11.20	11.17	11.65	12.12	11.52	12.02	12.00	12.47	12.95
	6H	10.98	11.38	11.49	11.88	12.36	11.88	12.28	12.39	12.78	13.27
	8H	11.07	11.43	11.60	11.95	12.44	12.03	12.38	12.56	12.91	13.40
	12H	11.70	12.01	12.22	12.51	13.08	12.72	13.03	13.25	13.53	14.11
12H	4H	10.67	11.11	11.16	11.59	12.07	11.48	11.92	11.97	12.40	12.88
	6H	11.29	11.33	11.51	11.80	12.35	12.18	12.21	12.39	12.69	13.23
	8H	11.10	11.40	11.62	11.90	12.48	12.04	12.34	12.56	12.84	13.42
对应照射距离，改变观察者位置S											
S = 1.0H	1.6/-1.6					1.5/-1.3					
S = 1.5H	3.0/-2.2					2.8/-1.8					
S = 2.0H	5.0/-3.1					4.6/-2.1					
标准表格	BK2					BK2					
更正系数	-3.5					-2.8					

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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	4832.17	4826.03	4707.85	4489.92	4163.78	3766.28	3341.92	2885.33	2444.09
30.0	4961.85	4925.79	4769.24	4506.03	4159.18	3730.98	3272.86	2827.01	2381.17
60.0	4924.25	4854.42	4670.25	4393.99	4010.31	3575.20	3110.17	2666.63	2237.67
90.0	4897.39	4826.80	4652.60	4370.97	3992.66	3561.39	3105.57	2666.63	2234.60
120.0	4866.70	4766.17	4552.84	4238.99	3843.79	3427.87	2974.35	2545.39	2134.07
150.0	4850.58	4757.73	4552.84	4252.80	3884.46	3455.49	3033.44	2563.04	2164.00
180.0	4832.17	4712.46	4505.26	4189.11	3796.21	3384.13	2935.21	2510.85	2104.14
210.0	4961.85	4885.88	4697.88	4395.53	4042.54	3605.13	3131.66	2683.51	2272.97
240.0	4924.25	4880.51	4725.50	4456.15	4101.62	3701.05	3236.79	2800.16	2364.29
270.0	4897.39	4855.96	4700.95	4434.67	4102.39	3688.01	3224.51	2773.30	2359.68
300.0	4865.16	4855.96	4731.64	4507.57	4179.90	3779.33	3327.34	2896.84	2456.37
330.0	4850.58	4833.70	4700.18	4452.32	4136.16	3730.21	3300.48	2853.87	2408.79
360.0	4832.17	4826.03	4707.85	4489.92	4163.78	3766.28	3341.92	2885.33	2444.09
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2032.78	1689.76	1382.04	1128.81	919.32	747.42	606.23	498.79	414.38
30.0	1999.01	1632.21	1327.56	1079.70	881.72	715.96	583.97	480.38	392.13
60.0	1850.91	1522.17	1249.13	1023.68	829.23	671.99	546.14	449.45	366.58
90.0	1868.56	1527.08	1239.31	1006.03	824.16	673.76	551.74	455.82	388.29
120.0	1761.90	1451.49	1196.26	975.03	792.39	655.65	539.31	444.54	368.11
150.0	1797.19	1486.41	1208.62	986.85	814.19	667.62	550.21	454.29	389.83
180.0	1738.11	1431.00	1177.62	958.68	777.66	641.07	525.50	430.11	352.23
210.0	1876.23	1519.48	1276.61	1034.27	849.79	690.48	560.72	458.89	376.24
240.0	1959.88	1615.33	1330.63	1075.09	876.34	719.03	580.14	471.94	389.06
270.0	1957.58	1524.16	1338.07	1085.30	894.99	731.85	600.63	495.96	397.58
300.0	2044.29	1705.11	1398.16	1145.69	924.69	761.24	620.04	515.68	425.13
330.0	2020.50	1593.07	1365.24	1107.48	913.18	745.58	609.45	509.38	419.75
360.0	2032.78	1689.76	1382.04	1128.81	919.32	747.42	606.23	498.79	414.38
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	338.11	282.70	235.35	196.52	167.29	144.27	123.85	108.66	94.92
30.0	324.98	264.67	222.08	186.70	160.00	137.13	118.79	103.83	90.70
60.0	300.81	250.86	209.26	176.73	150.64	130.53	113.49	99.84	87.40
90.0	308.18	254.92	212.95	180.03	153.71	132.99	115.18	100.30	86.87
120.0	309.41	259.07	220.77	188.24	161.46	139.51	122.40	106.82	93.47
150.0	316.16	266.43	224.38	191.23	164.14	141.58	123.62	107.82	95.00
180.0	292.60	242.03	204.05	172.28	146.72	125.93	109.12	95.62	83.49
210.0	306.34	254.62	210.87	176.34	150.02	129.46	111.65	97.00	85.18
240.0	315.39	259.53	217.17	180.72	153.48	132.22	112.88	99.22	86.79
270.0	324.22	269.81	223.46	186.93	158.92	135.06	116.79	100.83	87.86
300.0	349.85	294.44	246.86	207.27	177.42	153.55	132.30	116.41	101.75
330.0	347.01	289.76	244.87	207.19	179.03	153.63	132.83	115.95	102.06
360.0	338.11	282.70	235.35	196.52	167.29	144.27	123.85	108.66	94.92
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	82.95	73.59	64.46	56.94	50.49	44.81	39.06	33.76	29.01
30.0	79.81	70.52	62.69	55.79	49.65	44.20	39.21	34.38	29.54
60.0	77.27	68.14	60.32	53.03	46.58	40.59	34.22	27.24	20.95
90.0	75.89	66.53	58.55	50.88	42.97	35.30	27.78	23.25	20.49
120.0	82.57	72.59	63.54	55.79	49.04	42.21	34.99	27.70	21.49
150.0	83.49	73.51	65.46	57.94	51.57	45.74	40.59	35.68	30.77
180.0	73.74	65.00	57.32	50.65	45.04	39.52	34.38	29.70	25.17
210.0	74.82	66.30	59.09	52.49	46.73	41.44	36.83	32.38	28.01
240.0	76.28	67.22	58.93	51.80	45.43	39.21	32.84	26.70	20.80
270.0	76.35	66.61	57.78	50.03	42.21	34.07	27.24	23.17	20.11
300.0	88.63	77.81	68.14	59.93	52.41	45.51	37.99	30.46	23.40
330.0	89.78	79.27	70.45	62.39	55.48	48.88	43.43	38.37	33.15
360.0	82.95	73.59	64.46	56.94	50.49	44.81	39.06	33.76	29.01

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光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	25.09	21.79	18.57	15.73	13.28	10.36	6.75	3.84	1.69
30.0	25.02	21.18	17.57	12.89	8.52	6.29	4.14	1.76	0.61
60.0	17.88	15.12	12.66	10.21	8.21	5.14	2.38	1.61	0.77
90.0	17.65	15.12	13.20	11.20	8.98	3.99	2.99	1.38	0.92
120.0	18.34	15.19	12.74	10.44	8.29	3.99	2.30	1.23	0.61
150.0	25.48	21.03	16.65	11.05	7.90	5.60	3.68	1.15	0.46
180.0	21.95	18.57	15.73	13.20	10.82	7.14	4.99	2.46	0.31
210.0	23.33	19.49	15.50	10.97	7.60	5.45	3.45	1.23	0.54
240.0	17.57	14.73	12.05	9.67	7.75	5.14	2.23	1.69	0.77
270.0	17.27	14.43	12.28	10.67	8.44	3.68	2.69	1.53	0.92
300.0	19.64	16.65	13.58	11.13	9.06	6.22	2.30	1.76	0.77
330.0	27.70	23.17	18.95	13.58	9.29	6.91	4.37	2.30	0.69
360.0	25.09	21.79	18.57	15.73	13.28	10.36	6.75	3.84	1.69

C/γ(°)	90.0
0.0	0.15
30.0	0.15
60.0	0.08
90.0	0.15
120.0	0.08
150.0	0.08
180.0	0.08
210.0	0.08
240.0	0.15
270.0	0.15
300.0	0.23
330.0	0.23
360.0	0.15