

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: F3081A-12-UN-RC-Y (5030-XL-12RGBWN-AJ, L380mm, RAL7042, CT)

报告编号:

电压(V): 202.2000

测试编号: 20210225007

电流(A): 0.2780

光源规格型号: XL

功率(W): 54.1000

每个光源光通量(lm)

功率因数: 0.9610

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): 1990.26

灯具效能(lm/w): 36.79

中心光强(cd): 3620.480

最大光强(cd): 3713.333

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=54.3

[C90/270]Total=29.8

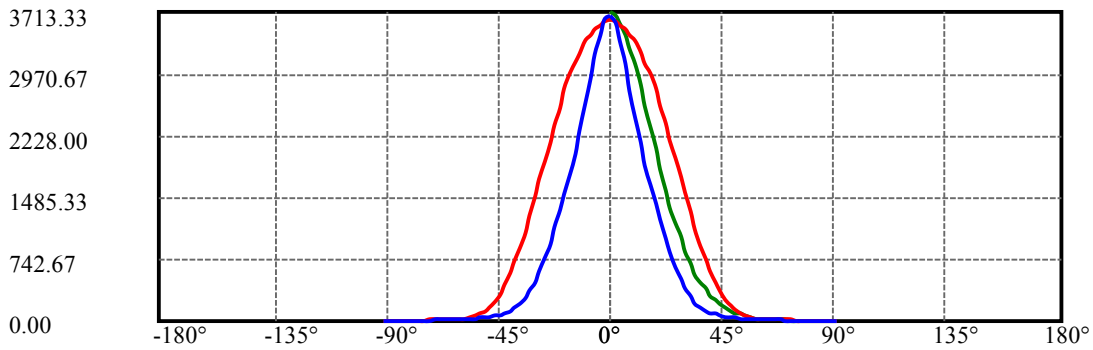
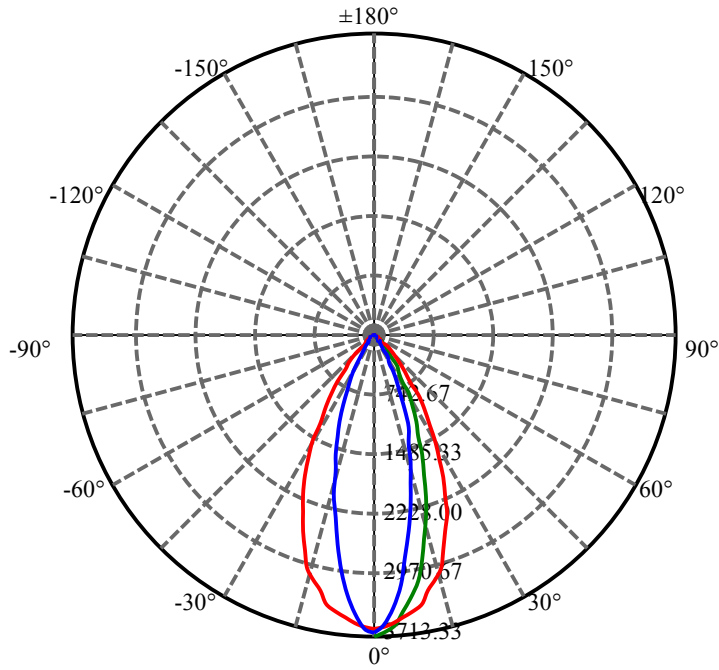
光束扩散角(10%Imax): [C0/180]Total=87.4

[C90/270]Total=62.7

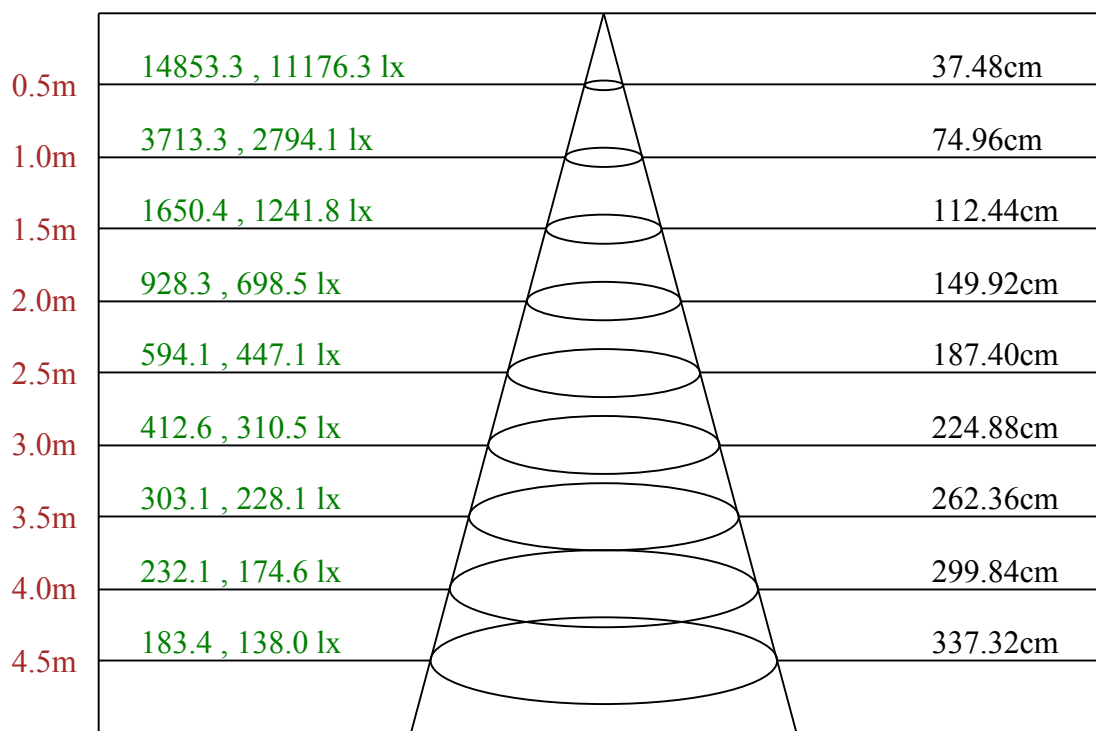
测试设备: GMS1800
环境温度(°C): 25.0

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

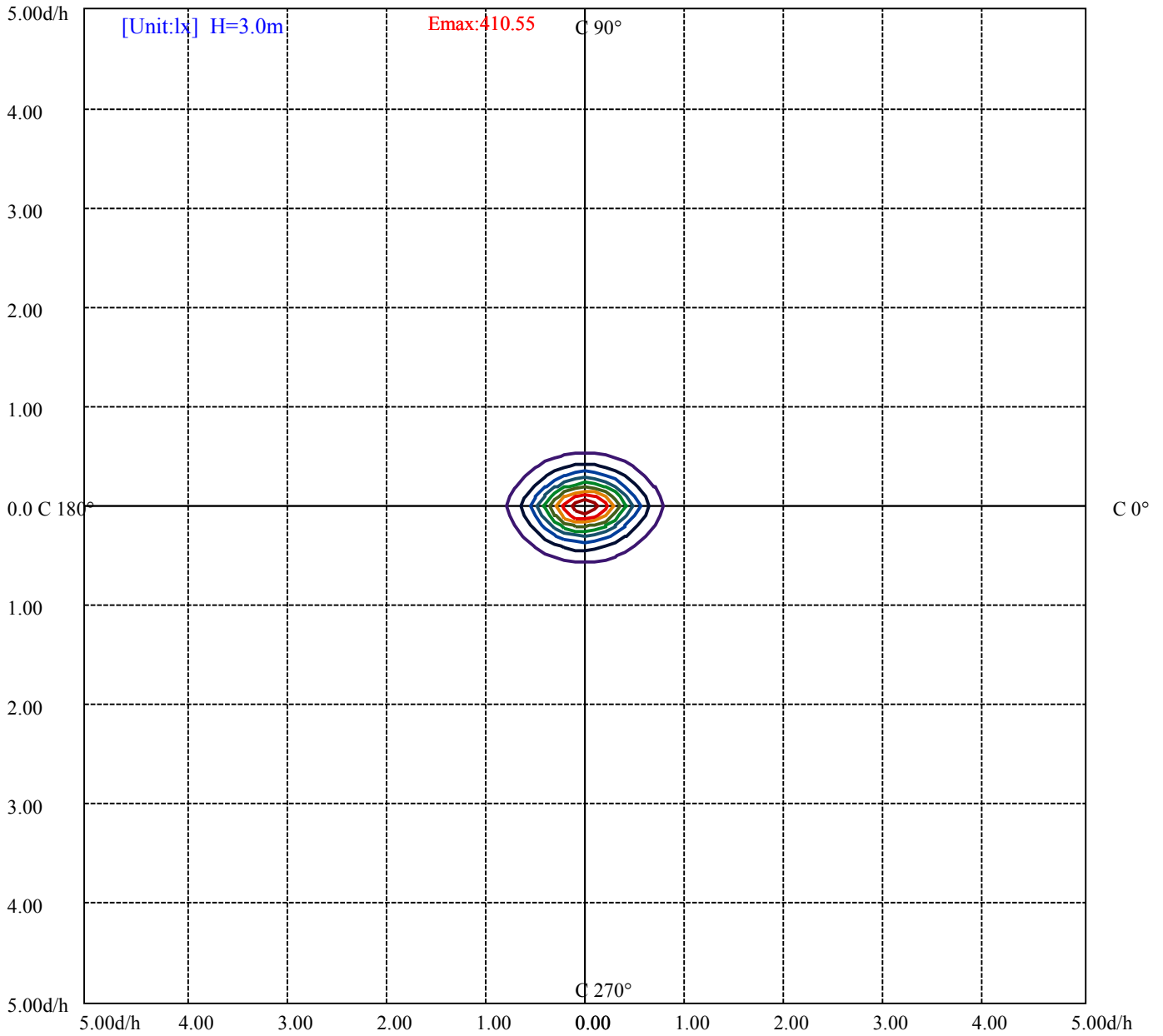


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角41.09

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平面等照度曲线



- (10%Emax) 41.05455
- (20%Emax) 82.109
- (30%Emax) 123.1633
- (40%Emax) 164.2178
- (50%Emax) 205.2722
- (60%Emax) 246.3267
- (70%Emax) 287.3811
- (80%Emax) 328.4366
- (90%Emax) 369.4911

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

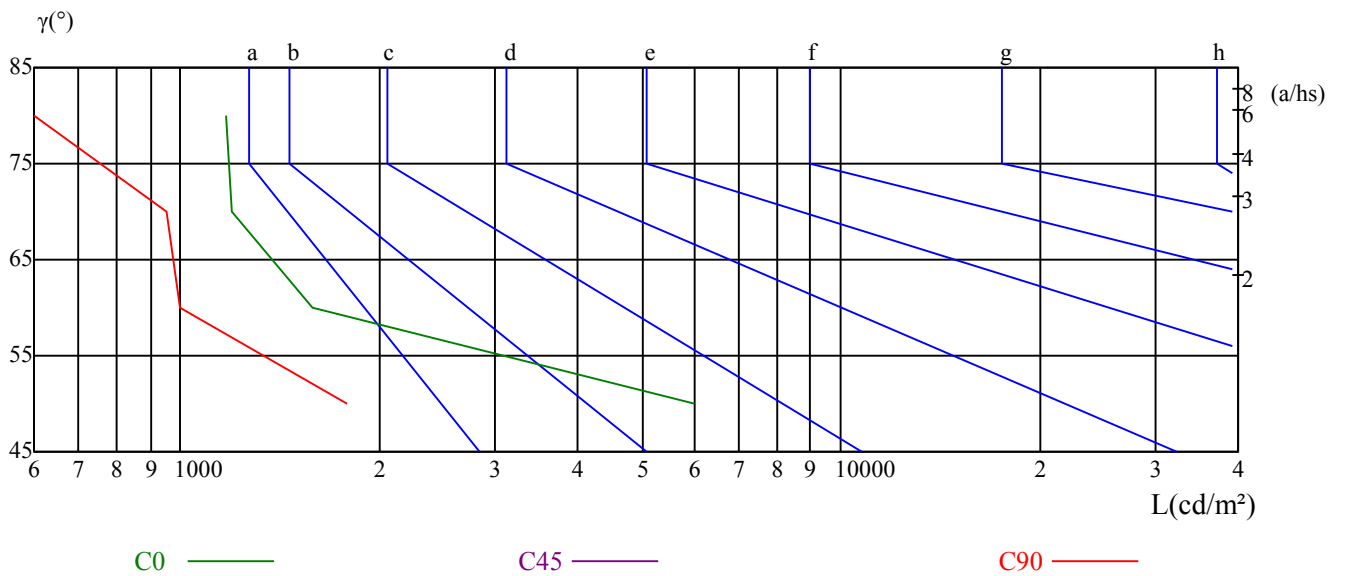
γ	45	50	55	60	65	70	75	80	85
C0	0	6008	0	1590	0	1195	0	1171	0
C45	0	0	0	0	0	0	0	0	0
C90	0	1784	0	996	0	955	0	460	0

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)							
		a	b	c	d	e	f	g	h
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

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	4.06	5.07	4.42	5.38	5.70	5.87	6.88	6.23	7.19	7.50
	3H	4.73	5.61	5.11	5.95	6.32	6.50	7.39	6.89	7.72	8.09
	4H	4.94	5.76	5.35	6.11	6.50	6.81	7.63	7.21	7.98	8.37
	6H	5.04	5.79	5.46	6.17	6.56	7.07	7.82	7.49	8.19	8.59
	8H	5.05	5.75	5.48	6.14	6.55	7.15	7.86	7.59	8.25	8.66
	12H	5.04	5.72	5.48	6.10	6.53	7.25	7.92	7.69	8.31	8.74
4H	2H	4.21	5.03	4.62	5.39	5.78	5.84	6.66	6.25	7.02	7.41
	3H	4.99	5.65	5.40	6.06	6.47	6.69	7.36	7.10	7.76	8.17
	4H	5.26	5.85	5.70	6.28	6.72	7.10	7.70	7.54	8.12	8.57
	6H	5.40	5.90	5.87	6.36	6.83	7.41	7.92	7.88	8.37	8.85
	8H	5.42	5.89	5.89	6.34	6.82	7.54	8.01	8.02	8.46	8.94
	12H	5.42	5.83	5.91	6.32	6.79	7.66	8.07	8.15	8.56	9.04
8H	4H	5.36	5.83	5.83	6.28	6.75	7.08	7.55	7.55	8.00	8.48
	6H	5.55	5.93	6.06	6.43	6.92	7.47	7.85	7.98	8.35	8.83
	8H	5.60	5.94	6.14	6.46	6.96	7.65	7.98	8.18	8.51	9.00
	12H	6.11	6.40	6.64	6.90	7.48	8.19	8.48	8.71	8.98	9.56
12H	4H	5.34	5.75	5.83	6.24	6.72	7.03	7.44	7.52	7.92	8.40
	6H	5.83	5.89	6.09	6.36	6.91	7.70	7.77	7.97	8.24	8.79
	8H	5.64	5.93	6.16	6.42	7.00	7.64	7.93	8.16	8.43	9.01
对应照射距离，改变观察者位置S											
S = 1.0H	2.9/-3.0					4.3/-6.1					
S = 1.5H	4.7/-4.8					7.0/-7.6					
S = 2.0H	6.7/-4.9					9.0/-7.5					
标准表格	BK1					BK0					
更正系数	-7.9					-2.4					

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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	3620.48	3594.39	3559.09	3497.70	3437.08	3361.11	3220.68	3100.97	2965.91
30.0	3713.33	3674.20	3573.67	3430.17	3277.46	3084.85	2833.92	2578.38	2340.50
60.0	3676.50	3583.65	3393.34	3143.94	2881.50	2584.52	2277.57	1967.55	1683.62
90.0	3660.38	3571.37	3356.50	3095.59	2771.76	2450.23	2147.12	1875.47	1631.44
120.0	3640.43	3528.39	3334.25	3106.34	2838.52	2487.83	2190.09	1927.65	1667.51
150.0	3628.92	3572.14	3489.26	3351.13	3173.87	2972.81	2772.53	2474.02	2218.48
180.0	3620.48	3595.92	3558.32	3506.91	3443.22	3358.04	3207.63	3107.87	2965.14
210.0	3713.33	3711.03	3653.48	3521.49	3400.24	3242.93	3005.81	2745.67	2524.67
240.0	3676.50	3674.96	3573.67	3354.20	3107.11	2840.06	2535.41	2230.76	1941.46
270.0	3660.38	3621.25	3445.52	3213.00	2931.38	2610.61	2291.38	2015.90	1752.69
300.0	3640.43	3615.11	3498.47	3303.55	3064.13	2751.04	2416.47	2126.40	1870.86
330.0	3628.92	3602.83	3541.44	3435.54	3250.60	3064.13	2844.66	2584.52	2333.59
360.0	3620.48	3594.39	3559.09	3497.70	3437.08	3361.11	3220.68	3100.97	2965.91
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2790.95	2573.01	2381.94	2168.60	1957.58	1735.04	1536.29	1307.61	1096.58
30.0	2084.19	1830.19	1574.66	1365.93	1184.06	1003.73	831.84	684.50	561.72
60.0	1438.83	1242.15	1069.34	917.17	770.14	648.97	530.95	408.09	324.22
90.0	1414.27	1211.69	993.75	820.32	652.27	514.91	400.57	305.49	218.32
120.0	1442.67	1243.07	1064.50	900.59	761.77	632.09	516.75	392.90	305.80
150.0	1979.83	1728.13	1501.75	1300.70	1108.86	947.71	809.58	670.69	555.58
180.0	2779.44	2566.87	2345.10	2148.65	1923.04	1697.44	1498.30	1271.70	1062.82
210.0	2265.29	2023.57	1761.90	1523.70	1313.98	1119.14	941.11	773.05	637.46
240.0	1656.00	1416.58	1225.50	1045.93	893.23	757.40	631.55	512.61	405.94
270.0	1530.22	1332.24	1135.79	924.69	762.46	602.08	468.56	365.04	269.50
300.0	1612.26	1383.58	1187.13	1006.80	861.76	727.47	604.69	488.05	390.59
330.0	2074.22	1830.96	1526.16	1392.40	1192.89	1016.47	863.60	724.79	589.65
360.0	2790.95	2573.01	2381.94	2168.60	1957.58	1735.04	1536.29	1307.61	1096.58
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	910.11	739.75	589.34	453.52	364.73	250.63	176.11	129.76	91.09
30.0	465.80	388.29	308.25	247.71	198.21	154.55	119.40	96.38	81.96
60.0	248.02	188.24	142.81	110.66	87.33	68.76	56.10	46.89	40.98
90.0	162.68	124.70	99.84	82.57	67.61	56.17	46.50	38.52	31.92
120.0	232.28	175.81	132.76	102.21	81.19	65.76	54.18	45.04	40.06
150.0	461.19	389.83	313.40	254.92	202.74	160.77	126.16	101.91	85.41
180.0	877.49	717.80	566.71	445.31	328.13	238.88	167.44	124.93	87.02
210.0	522.81	428.50	350.00	281.63	225.69	176.88	138.36	109.81	92.16
240.0	320.38	246.48	186.63	143.27	111.35	86.87	69.14	56.33	46.66
270.0	197.91	150.25	117.02	94.46	78.27	63.62	52.03	43.43	35.61
300.0	297.82	227.14	173.12	129.84	100.37	78.96	63.92	52.64	44.58
330.0	485.44	405.48	329.05	265.74	212.95	168.44	129.99	107.05	89.63
360.0	910.11	739.75	589.34	453.52	364.73	250.63	176.11	129.76	91.09
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	62.85	44.20	33.84	26.70	22.48	19.18	16.96	15.04	13.74
30.0	64.23	42.28	30.31	24.63	20.72	18.11	15.96	14.43	13.20
60.0	38.14	38.52	37.99	29.01	18.26	14.04	11.74	9.67	8.21
90.0	27.09	23.10	19.49	16.73	14.89	13.81	13.12	12.43	10.97
120.0	39.52	41.28	35.07	27.01	19.41	14.35	11.82	9.75	8.36
150.0	59.78	41.05	30.62	24.71	20.57	17.57	15.35	13.58	12.20
180.0	59.16	42.13	33.00	26.63	22.10	18.88	16.81	14.81	13.43
210.0	73.98	51.18	34.92	27.63	23.02	19.64	16.96	15.35	13.97
240.0	40.98	40.13	39.75	36.60	26.09	17.04	13.58	11.28	9.52
270.0	29.62	25.02	21.33	17.57	15.35	13.89	13.35	13.43	12.43
300.0	40.82	42.28	42.21	32.31	24.40	16.96	13.28	10.97	9.13
330.0	62.92	44.43	32.84	25.55	21.18	18.03	15.35	13.74	12.58
360.0	62.85	44.20	33.84	26.70	22.48	19.18	16.96	15.04	13.74

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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	12.28	10.90	9.29	7.90	6.83	5.22	3.45	1.92	0.38
30.0	11.43	9.75	7.98	6.22	4.91	3.76	2.15	0.54	0.15
60.0	6.98	5.76	4.45	3.38	2.84	1.53	0.84	0.46	0.23
90.0	8.67	6.52	4.91	4.07	2.69	1.46	1.07	0.38	0.31
120.0	7.06	5.76	4.60	3.53	2.84	1.61	0.84	0.46	0.23
150.0	10.74	9.13	7.14	5.68	4.14	2.69	1.76	0.46	0.15
180.0	12.05	10.59	8.98	7.60	6.45	4.99	3.45	1.53	0.23
210.0	12.43	10.67	8.90	7.06	5.60	4.53	2.69	1.15	0.38
240.0	8.06	6.91	5.60	4.37	3.61	2.69	1.23	0.84	0.38
270.0	10.82	7.98	5.91	4.76	3.99	2.15	1.15	0.84	0.46
300.0	7.83	6.52	5.29	4.07	3.38	2.53	1.15	0.84	0.38
330.0	11.28	9.52	7.75	5.99	4.68	3.53	2.23	0.84	0.23
360.0	12.28	10.90	9.29	7.90	6.83	5.22	3.45	1.92	0.38
C/γ(°)	90.0								
0.0	0.08								
30.0	0.00								
60.0	0.00								
90.0	0.00								
120.0	0.00								
150.0	0.08								
180.0	0.00								
210.0	0.15								
240.0	0.15								
270.0	0.08								
300.0	0.15								
330.0	0.08								
360.0	0.08								