

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3313A-27-UN (10-OL-27WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210326008

电流(A): 0.1540

光源规格型号: OL

功率(W): 32.8000

每个光源光通量(lm)

功率因数: 0.9660

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2783.09

灯具效能(lm/w): 84.85

中心光强(cd): 25469.210

最大光强(cd): 28032.250

最大光强角度: $C=90.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=11.2

[C90/270]Total=10.6

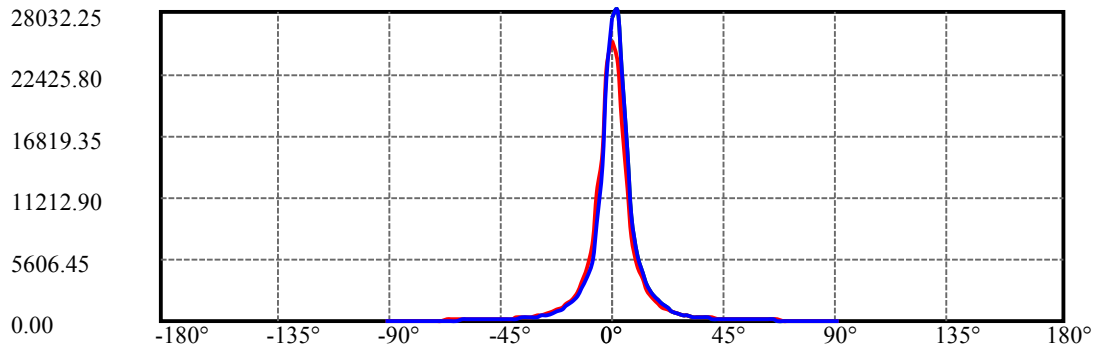
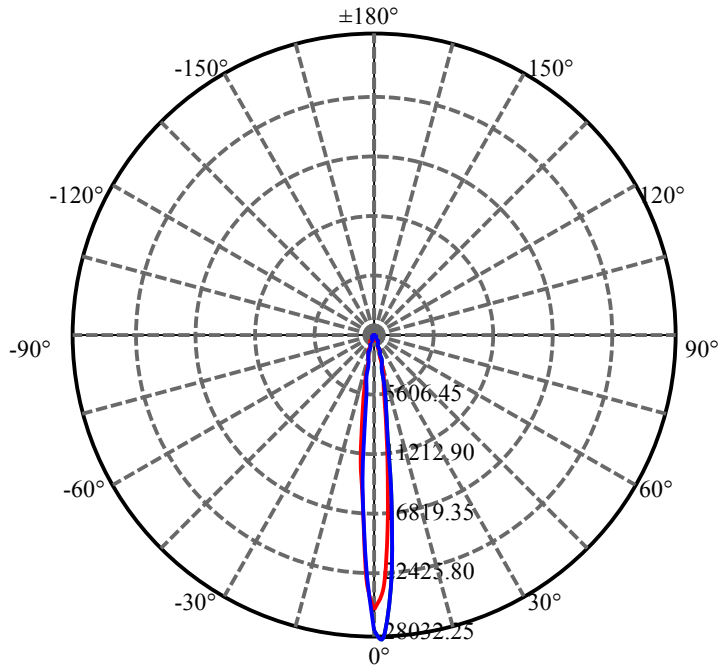
光束扩散角(10%Imax): [C0/180]Total=28.6

[C90/270]Total=27.8

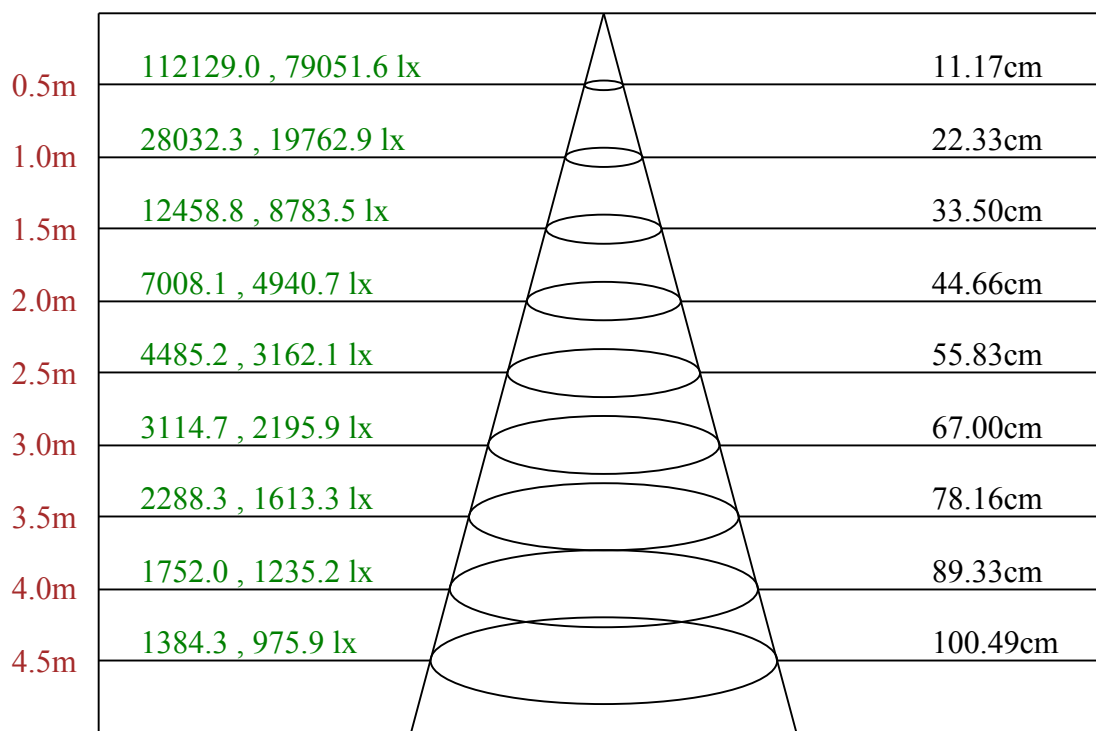
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/26
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

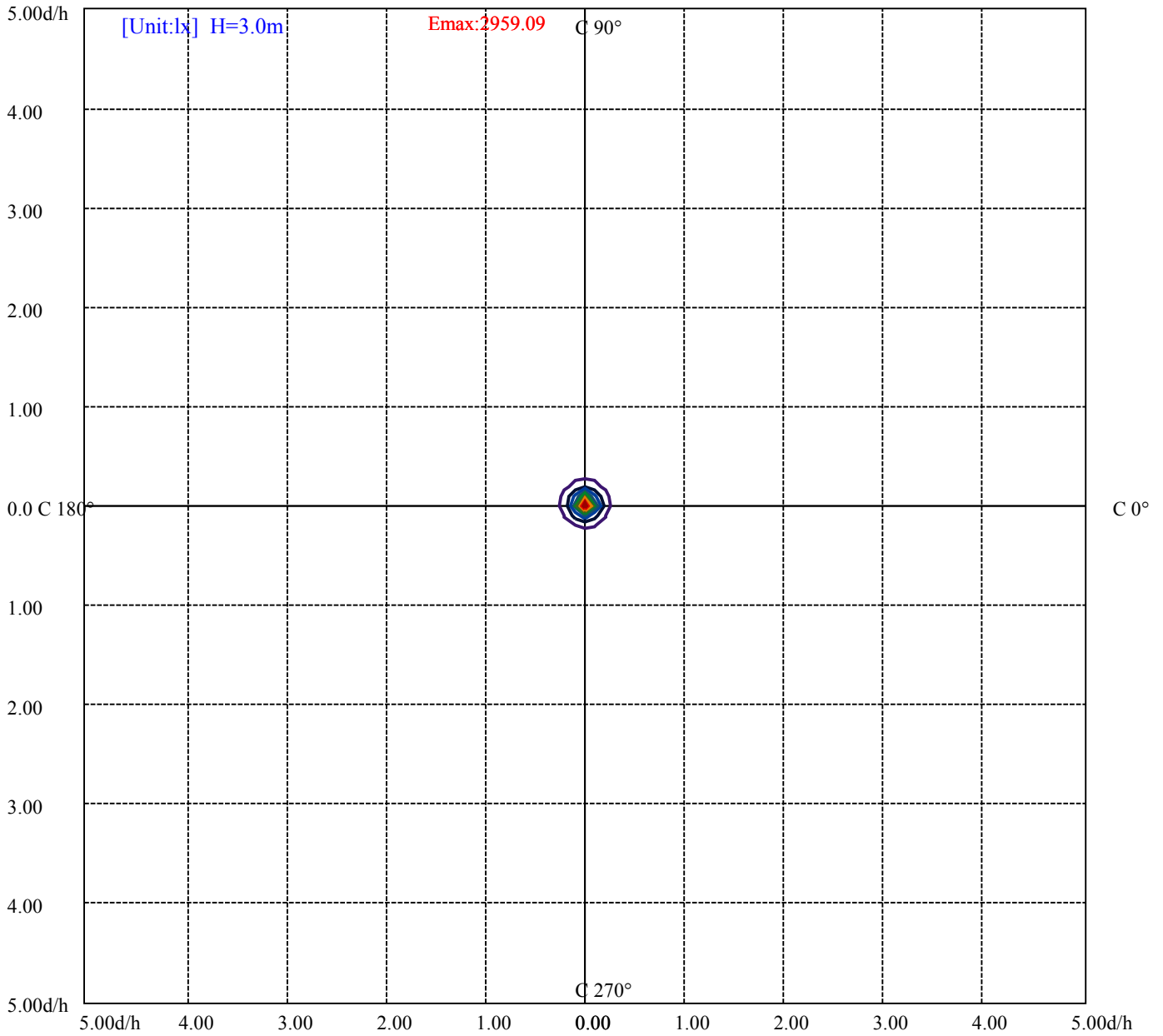


C90(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C90面光束角12.74

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平面等照度曲线



- (10%Emax) 295.9089
- (20%Emax) 591.8167
- (30%Emax) 887.7255
- (40%Emax) 1183.633
- (50%Emax) 1479.544
- (60%Emax) 1775.456
- (70%Emax) 2071.355
- (80%Emax) 2367.267
- (90%Emax) 2663.178

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

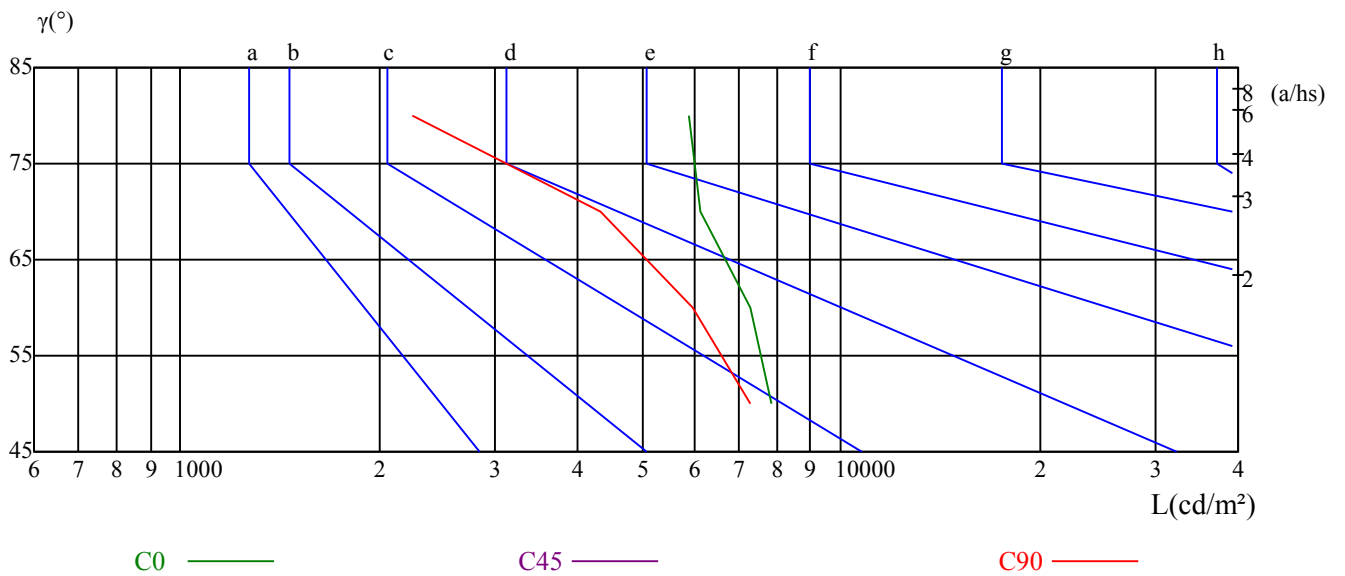
γ	45	50	55	60	65	70	75	80	85
C0	0	7839	0	7303	0	6114	0	5880	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7289	0	5956	0	4319	0	2246	0

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

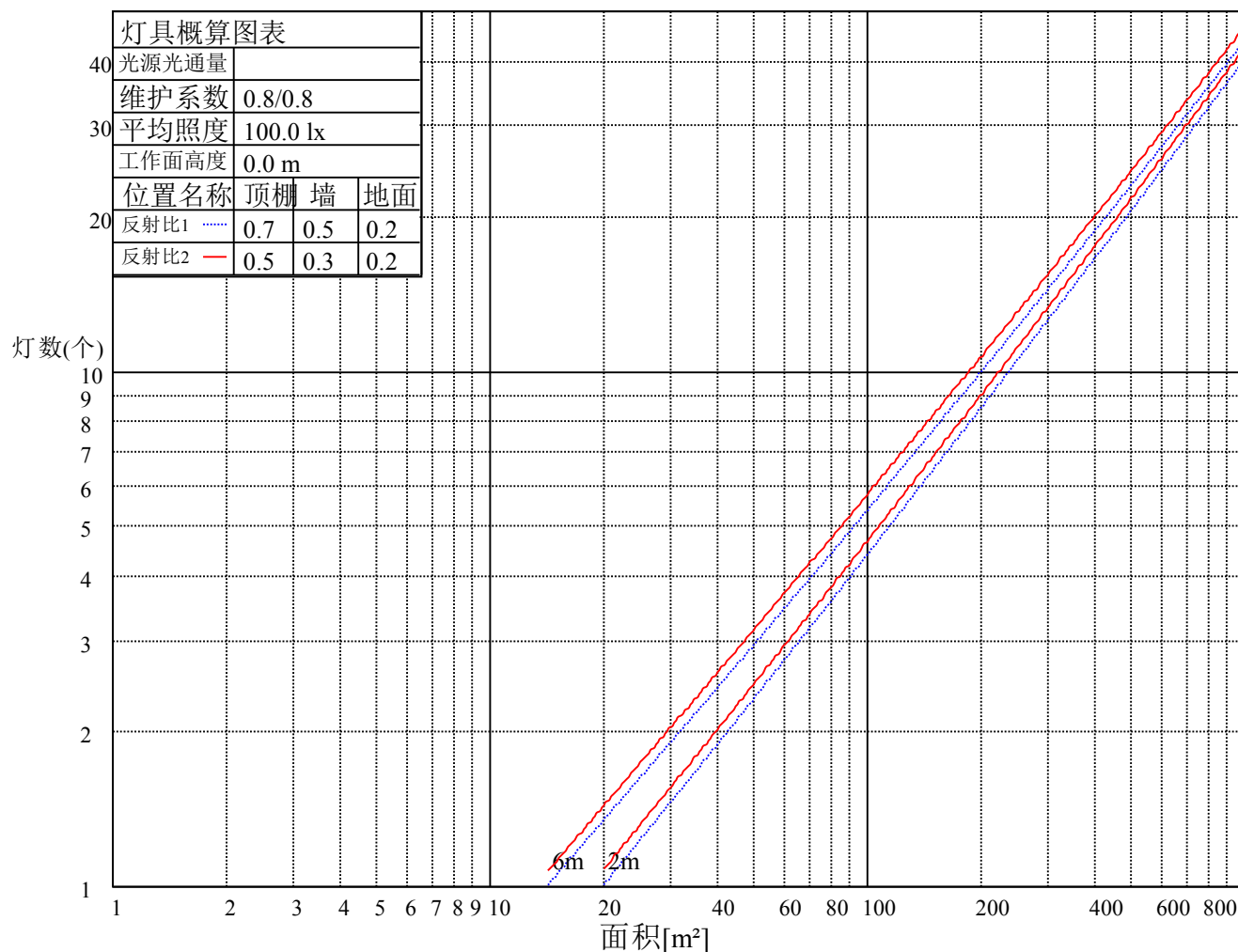
亮度限制曲线



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	10.95	12.05	11.32	12.36	12.68	12.12	13.22	12.49	13.53	13.85
	3H	12.10	13.07	12.49	13.41	13.77	13.71	14.68	14.09	15.02	15.38
	4H	12.29	13.20	12.70	13.55	13.94	14.34	15.25	14.75	15.60	15.99
	6H	12.36	13.19	12.78	13.56	13.96	14.80	15.63	15.22	16.00	16.40
	8H	12.38	13.15	12.81	13.55	13.96	14.95	15.73	15.38	16.12	16.53
	12H	12.45	13.19	12.88	13.58	14.01	15.12	15.87	15.56	16.25	16.68
4H	2H	11.64	12.55	12.05	12.90	13.29	12.56	13.46	12.97	13.82	14.20
	3H	12.89	13.64	13.31	14.04	14.45	14.40	15.14	14.82	15.55	15.96
	4H	13.12	13.78	13.56	14.21	14.65	15.16	15.82	15.59	16.24	16.69
	6H	13.20	13.77	13.67	14.22	14.69	15.61	16.18	16.08	16.63	17.10
	8H	13.22	13.75	13.70	14.20	14.68	15.78	16.31	16.25	16.76	17.23
	12H	13.31	13.77	13.80	14.25	14.73	15.95	16.41	16.44	16.90	17.38
8H	4H	13.37	13.90	13.85	14.35	14.82	15.21	15.74	15.68	16.19	16.66
	6H	13.48	13.90	13.99	14.41	14.89	15.73	16.15	16.24	16.65	17.14
	8H	13.53	13.91	14.06	14.43	14.92	15.94	16.32	16.47	16.84	17.33
	12H	14.33	14.65	14.85	15.15	15.72	16.68	17.01	17.20	17.50	18.08
12H	4H	13.37	13.83	13.86	14.31	14.79	15.16	15.62	15.65	16.11	16.59
	6H	13.86	13.87	14.03	14.34	14.89	16.06	16.07	16.22	16.54	17.08
	8H	13.57	13.90	14.09	14.39	14.97	15.93	16.25	16.45	16.75	17.33
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.3/-0.5					
S = 1.5H	1.0/-1.1					0.7/-0.7					
S = 2.0H	2.1/-1.6					1.1/-1.1					
标准表格	BK3					BK3					
更正系数	0.0					1.2					

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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	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	0.93	0.88	0.84	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.78	0.83	0.80	0.78	0.76
6	0.85	0.80	0.76	0.84	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.80	0.77	0.75	0.73
7	0.82	0.77	0.73	0.81	0.77	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.71
8	0.79	0.74	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.69
9	0.77	0.72	0.69	0.76	0.72	0.68	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.67
10	0.74	0.70	0.67	0.74	0.69	0.66	0.73	0.69	0.66	0.73	0.69	0.66	0.72	0.68	0.66	0.65

ROLED 投光灯

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	25469.21	23412.64	18156.12	11963.39	7597.02	5072.36	3882.92	2700.40	2023.57
30.0	26520.51	25714.77	20427.55	13920.20	8740.41	5747.65	4013.38	3005.04	2269.13
60.0	26743.05	26136.83	20880.30	14053.72	8756.53	5861.99	4176.83	3104.80	2370.42
90.0	27541.12	28032.25	22814.09	15332.17	9530.81	6162.03	4358.70	3278.23	2480.93
120.0	27963.18	27303.24	21333.05	14115.11	8733.51	5855.08	4176.06	3152.38	2400.35
150.0	25285.04	24571.38	19790.63	13559.53	8771.11	5540.45	3951.99	2925.24	2250.71
180.0	25469.21	22775.72	15257.74	11581.24	7262.45	4882.81	3465.47	2562.27	1977.53
210.0	26520.51	22560.85	15251.60	10358.04	6518.86	4420.09	3130.13	2383.47	1814.08
240.0	26743.05	22353.66	15401.24	9484.77	6046.92	4197.55	3044.95	2313.64	1798.73
270.0	27541.12	21870.22	14160.39	8879.31	5623.33	3981.91	2939.82	2223.09	1717.39
300.0	27963.18	23044.30	15631.45	9853.11	6369.22	4496.82	3219.14	2457.14	1859.35
330.0	25285.04	21194.93	15043.64	9568.41	6145.15	4209.82	3143.17	2377.33	1811.77
360.0	25469.21	23412.64	18156.12	11963.39	7597.02	5072.36	3882.92	2700.40	2023.57
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1575.42	1237.78	990.68	791.16	649.97	544.84	454.29	395.97	346.01
30.0	1747.32	1374.37	1082.77	868.67	709.82	596.25	505.70	433.57	387.52
60.0	1857.05	1450.57	1152.91	921.16	744.89	614.05	520.28	444.62	386.37
90.0	1932.25	1493.31	1162.57	918.55	742.82	604.69	500.33	425.89	375.02
120.0	1851.68	1437.83	1134.03	894.99	714.04	585.43	484.14	406.40	347.70
150.0	1738.87	1355.19	1078.93	864.07	701.38	578.60	491.12	419.75	389.83
180.0	1524.62	1207.93	960.06	784.10	641.99	539.85	457.97	393.36	343.17
210.0	1441.13	1141.40	921.54	748.65	617.66	514.99	440.32	384.38	336.80
240.0	1388.95	1100.42	877.11	718.26	585.51	537.93	464.26	409.01	364.35
270.0	1342.52	1068.57	845.26	685.34	569.70	473.93	404.02	349.23	306.95
300.0	1440.36	1128.04	888.62	716.73	586.28	484.98	406.71	354.14	307.41
330.0	1436.22	1128.81	904.20	731.54	602.16	501.86	431.11	375.09	329.66
360.0	1575.42	1237.78	990.68	791.16	649.97	544.84	454.29	395.97	346.01
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	312.63	290.84	274.34	255.31	234.51	214.40	197.29	181.41	167.98
30.0	336.26	300.66	272.80	248.63	227.76	210.57	195.37	182.10	170.36
60.0	343.55	306.87	277.33	252.85	232.59	214.17	198.75	185.17	171.20
90.0	321.15	284.47	255.92	233.36	215.02	197.37	182.10	168.67	156.31
120.0	304.96	269.89	243.87	221.54	202.51	186.55	173.73	162.84	151.79
150.0	344.09	320.46	297.05	276.41	255.31	236.04	219.78	203.20	187.47
180.0	303.65	273.11	246.79	225.76	206.73	190.08	176.11	164.53	155.78
210.0	302.42	273.11	248.40	228.45	211.49	195.68	167.52	158.54	149.72
240.0	329.28	299.81	273.57	252.54	233.13	216.48	199.44	184.78	146.11
270.0	274.41	250.16	228.45	210.41	194.07	180.33	166.75	154.78	144.04
300.0	273.65	246.48	223.84	204.89	189.93	176.50	164.91	154.63	143.65
330.0	296.67	268.74	246.17	226.22	208.73	193.23	180.95	168.82	157.85
360.0	312.63	290.84	274.34	255.31	234.51	214.40	197.29	181.41	167.98
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	158.46	149.72	140.51	131.45	118.48	100.99	90.86	82.88	75.28
30.0	160.54	151.48	142.73	134.06	125.70	117.49	108.20	91.01	81.34
60.0	145.80	134.83	126.00	116.56	107.51	97.61	87.10	75.74	62.08
90.0	144.73	128.92	118.33	107.20	96.61	87.10	75.51	63.77	53.18
120.0	141.73	132.14	122.63	112.80	103.98	94.23	83.87	73.21	58.93
150.0	175.04	164.14	154.32	144.80	136.59	128.00	116.26	92.93	82.49
180.0	151.17	146.11	139.43	131.53	117.72	99.45	89.25	81.34	73.90
210.0	142.19	134.52	126.39	118.79	111.04	102.98	94.46	86.18	76.97
240.0	134.98	126.31	116.95	108.74	99.30	89.09	78.43	67.22	54.25
270.0	125.39	117.49	105.13	96.15	85.41	73.98	62.85	52.57	41.98
300.0	133.52	124.16	114.65	105.13	95.69	85.41	74.74	61.47	48.65
330.0	149.41	140.81	131.99	124.31	116.95	109.20	92.62	82.72	73.59
360.0	158.46	149.72	140.51	131.45	118.48	100.99	90.86	82.88	75.28

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/26
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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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	67.91	60.24	52.41	44.35	36.76	27.86	19.34	11.13	3.45
30.0	72.75	63.46	53.10	40.98	25.86	13.97	6.98	4.14	2.99
60.0	50.72	39.44	28.62	17.11	12.82	9.59	7.83	6.52	3.76
90.0	42.05	31.31	21.72	16.19	14.04	10.44	9.67	7.67	4.30
120.0	47.81	35.91	25.32	14.89	11.36	8.82	7.21	6.14	3.53
150.0	73.36	64.69	54.33	40.90	26.17	13.28	6.45	4.14	2.99
180.0	66.38	58.63	50.34	42.67	34.76	27.09	18.65	10.44	3.30
210.0	67.61	57.32	45.35	30.00	16.50	7.21	4.60	3.30	1.69
240.0	42.82	30.93	19.34	13.35	10.74	7.98	7.06	4.53	1.53
270.0	31.46	21.79	16.88	14.20	10.74	14.81	13.66	4.68	7.90
300.0	37.99	27.32	17.04	11.82	9.52	7.29	6.45	3.99	1.15
330.0	64.69	55.02	44.35	29.85	18.19	8.98	5.53	4.30	1.92
360.0	67.91	60.24	52.41	44.35	36.76	27.86	19.34	11.13	3.45

C/γ(°)	90.0
0.0	0.23
30.0	0.77
60.0	1.07
90.0	1.00
120.0	0.92
150.0	0.84
180.0	0.23
210.0	0.15
240.0	0.15
270.0	14.58
300.0	0.15
330.0	0.23
360.0	0.23