

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3483S6-48-24DC (10-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 23.9000

测试编号: 20210402003

电流(A): 1.9230

光源规格型号: OD

功率(W): 46.0000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 48

镇流器型号:

发光面长度(mm): 987

发光面宽度(mm): 72

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4482.52

灯具效能(lm/w): 97.45

中心光强(cd): 35414.400

最大光强(cd): 36319.910

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.2

[C90/270]Total=13.5

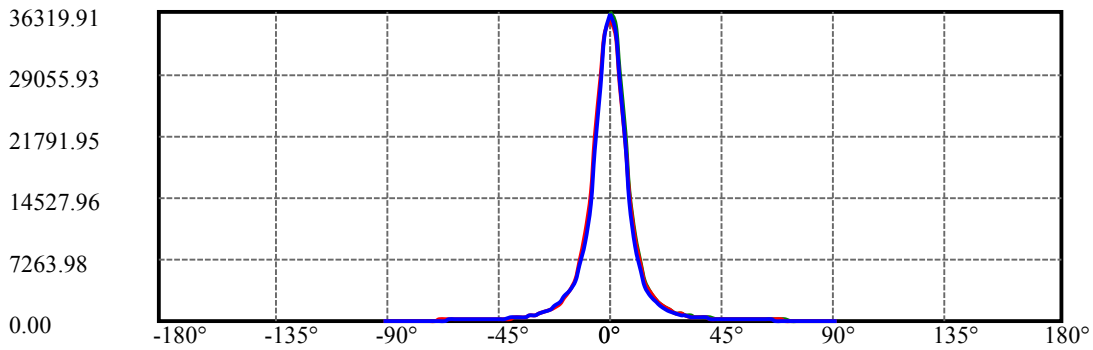
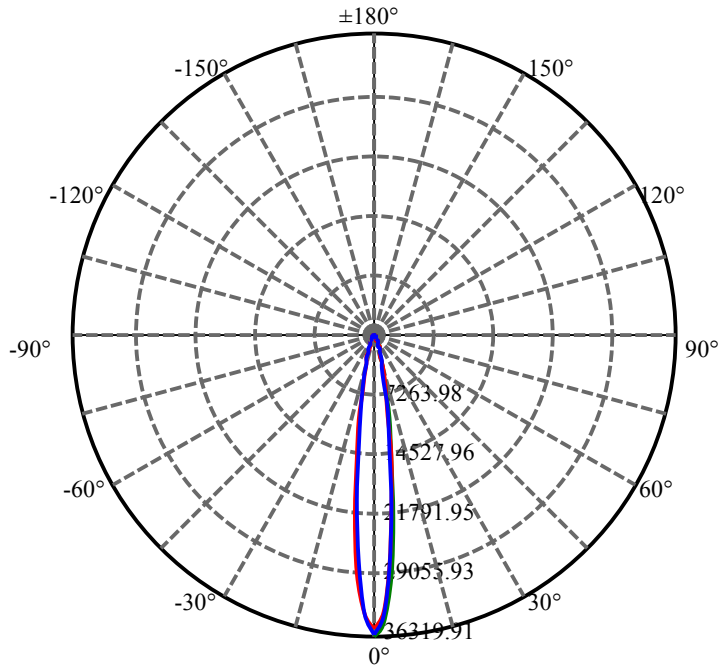
光束扩散角(10%Imax): [C0/180]Total=31.7

[C90/270]Total=31.1

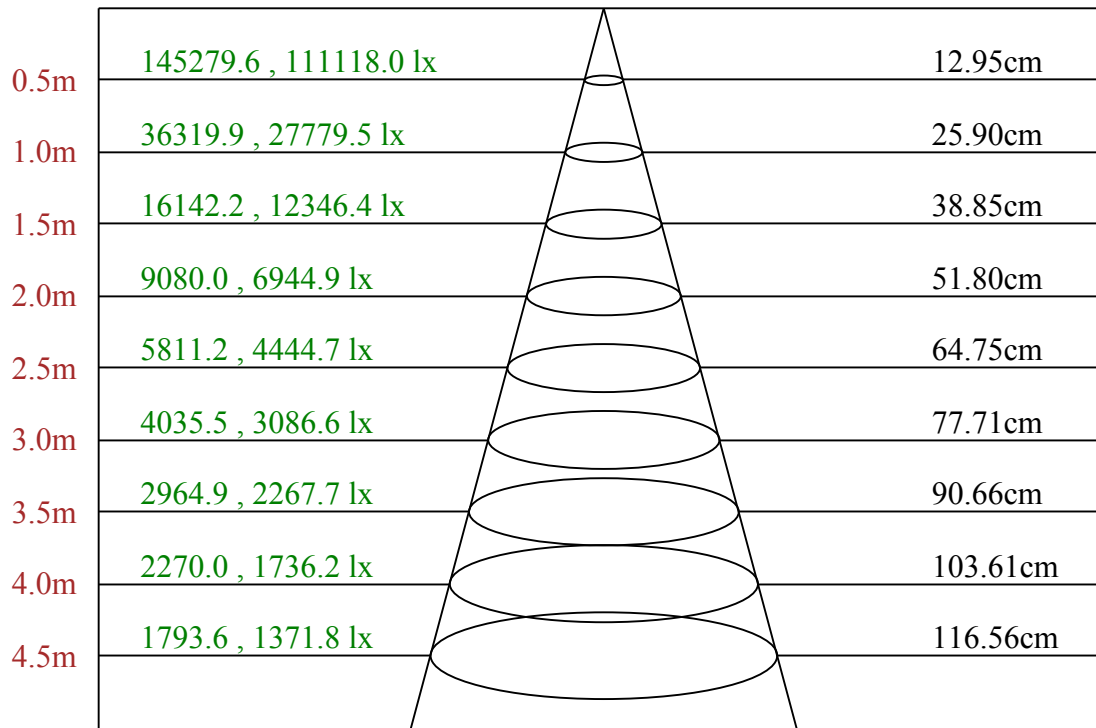
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

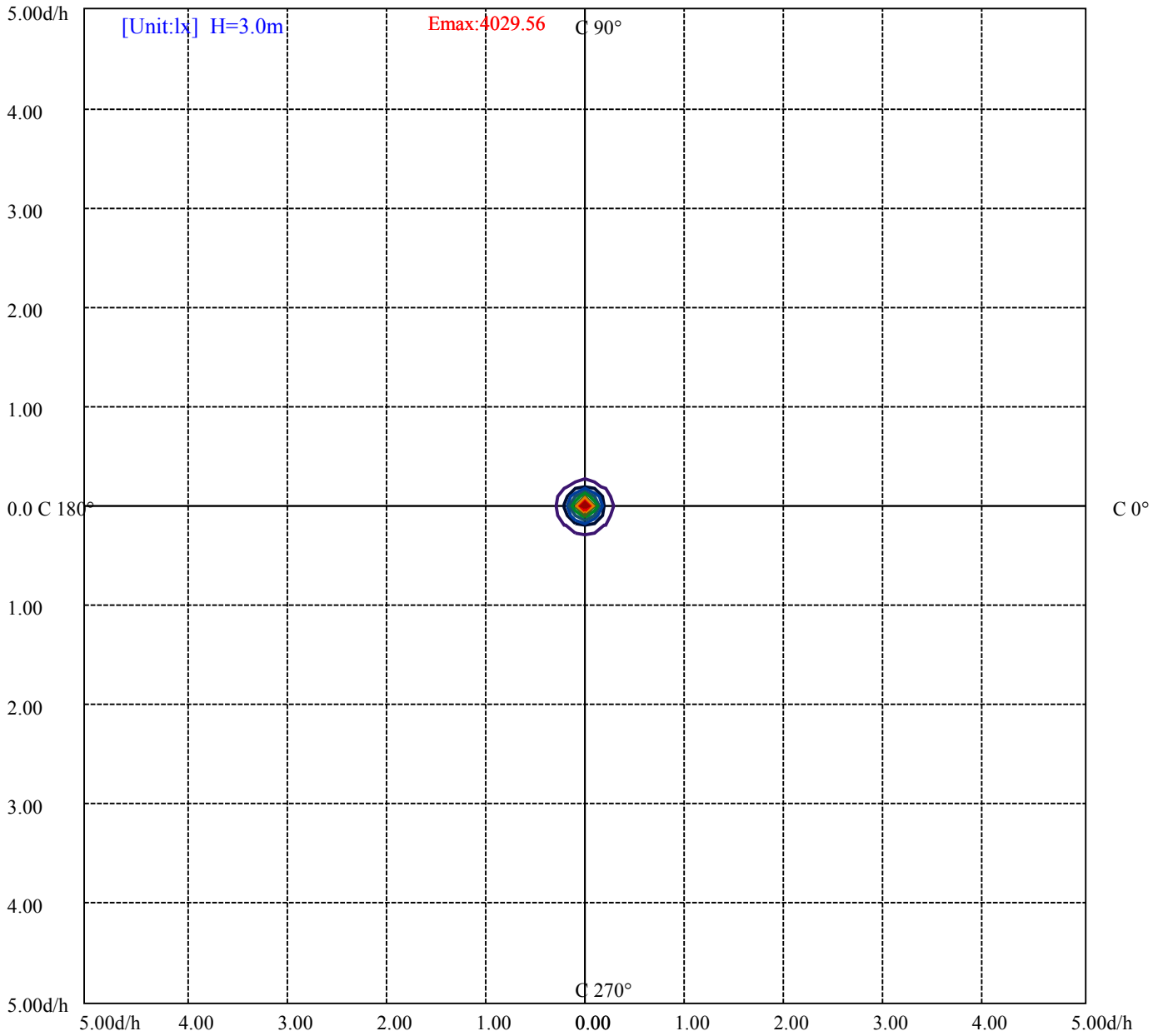


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角14.76

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平面等照度曲线



- (10%Emax) 402.9556
- (20%Emax) 805.9111
- (30%Emax) 1208.867
- (40%Emax) 1611.822
- (50%Emax) 2014.778
- (60%Emax) 2417.733
- (70%Emax) 2820.689
- (80%Emax) 3223.645
- (90%Emax) 3626.6

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环境湿度(%): 60.0%

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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

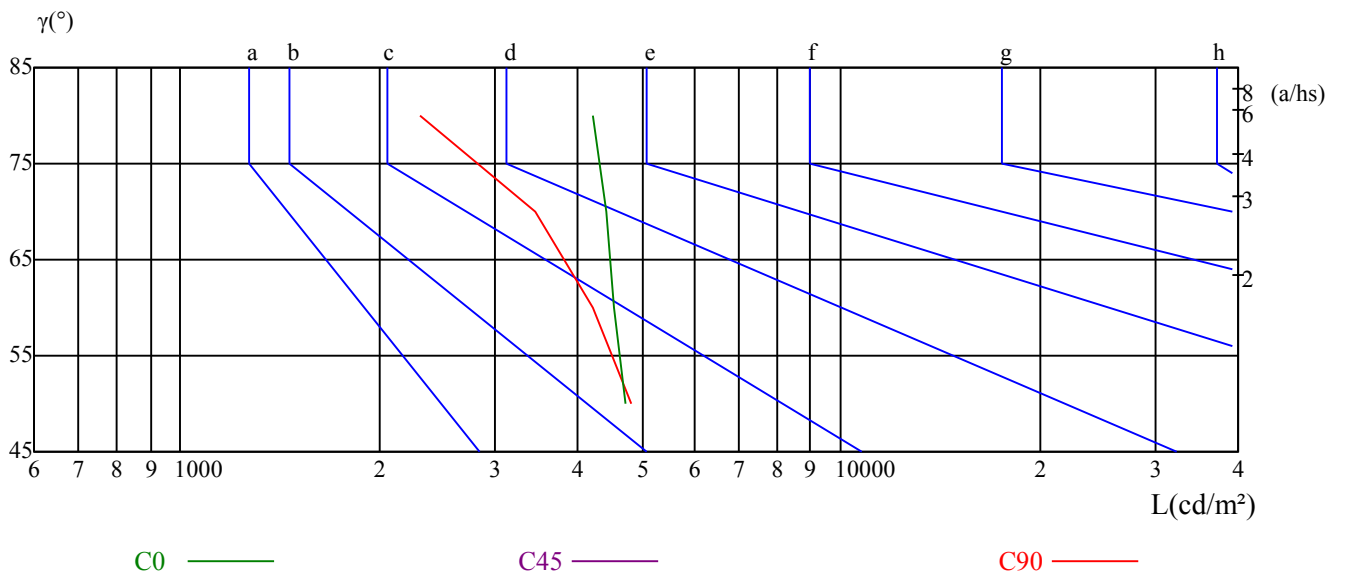
γ	45	50	55	60	65	70	75	80	85
C0	0	4714	0	4533	0	4430	0	4216	0
C45	0	0	0	0	0	0	0	0	0
C90	0	4820	0	4218	0	3457	0	2313	0

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

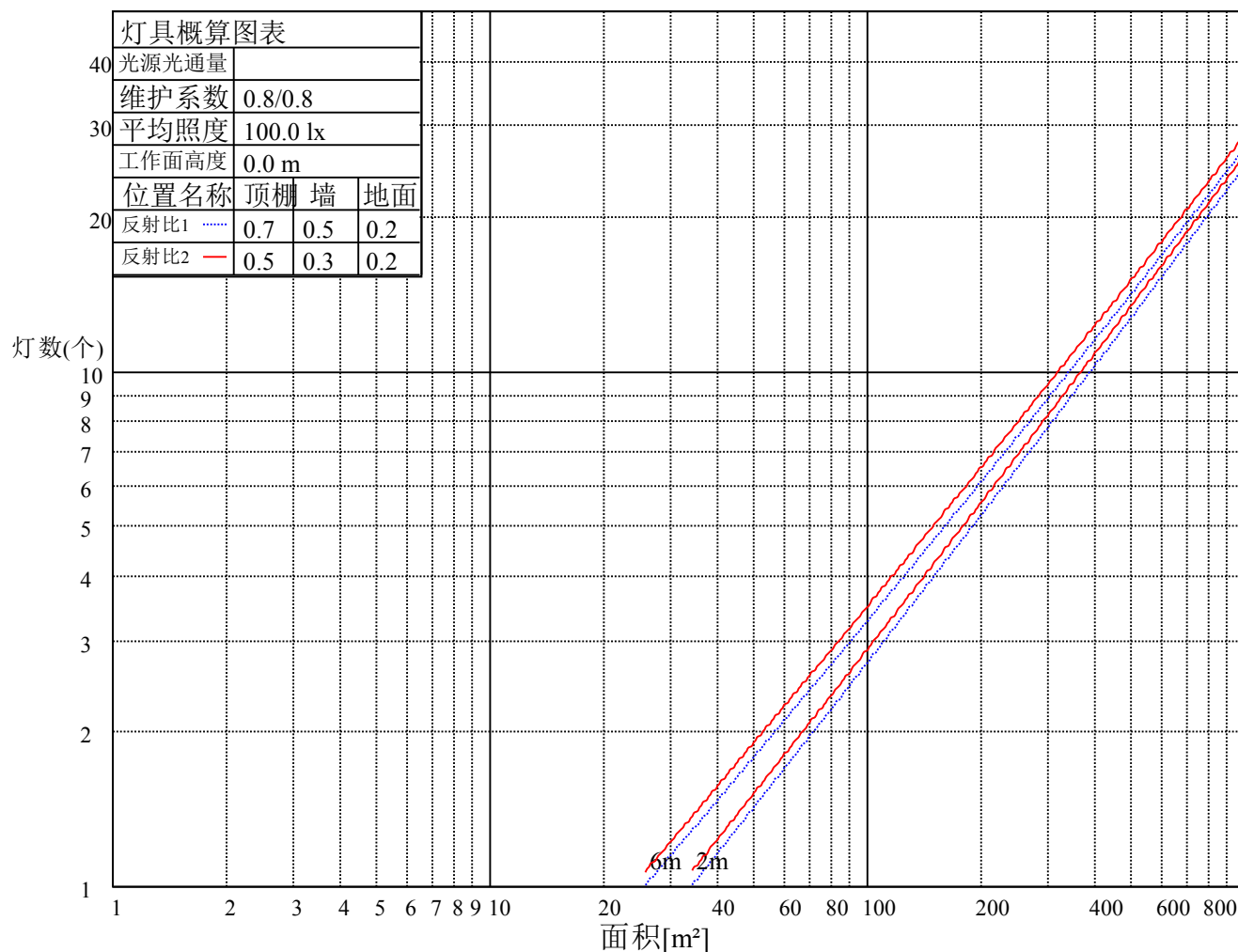
亮度限制曲线



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	7.78	8.84	8.14	9.16	9.47	8.15	9.22	8.52	9.53	9.85
	3H	9.23	10.18	9.62	10.51	10.88	10.08	11.02	10.46	11.35	11.72
	4H	9.75	10.63	10.16	10.98	11.37	10.83	11.71	11.23	12.06	12.45
	6H	10.01	10.81	10.43	11.19	11.58	11.40	12.20	11.82	12.58	12.97
	8H	10.05	10.81	10.49	11.20	11.61	11.60	12.35	12.03	12.74	13.15
	12H	10.10	10.82	10.53	11.21	11.64	11.84	12.56	12.28	12.95	13.38
4H	2H	8.37	9.25	8.78	9.60	9.99	8.66	9.54	9.07	9.89	10.28
	3H	10.00	10.72	10.41	11.12	11.53	10.84	11.57	11.26	11.97	12.38
	4H	10.60	11.24	11.04	11.67	12.11	11.71	12.35	12.15	12.78	13.22
	6H	10.88	11.43	11.35	11.88	12.36	12.27	12.82	12.74	13.27	13.74
	8H	10.94	11.46	11.42	11.91	12.38	12.50	13.02	12.98	13.47	13.94
	12H	11.00	11.44	11.49	11.93	12.41	12.75	13.20	13.24	13.69	14.16
8H	4H	10.88	11.40	11.36	11.85	12.32	11.86	12.37	12.34	12.82	13.30
	6H	11.26	11.67	11.77	12.17	12.66	12.53	12.94	13.04	13.44	13.93
	8H	11.37	11.73	11.90	12.26	12.75	12.83	13.19	13.36	13.72	14.21
	12H	11.99	12.30	12.51	12.80	13.38	13.57	13.88	14.09	14.38	14.96
12H	4H	10.89	11.34	11.38	11.82	12.30	11.83	12.28	12.32	12.77	13.24
	6H	11.64	11.67	11.83	12.14	12.68	12.87	12.89	13.06	13.36	13.91
	8H	11.45	11.76	11.97	12.26	12.84	12.86	13.17	13.38	13.67	14.25
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.3/-0.6					
S = 1.5H	0.8/-0.8					0.7/-0.7					
S = 2.0H	1.5/-1.0					0.9/-0.8					
标准表格	BK3					BK3					
更正系数	-1.8					-0.9					

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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	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.85	0.89	0.86	0.84	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	0.86	0.81	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.75
7	0.84	0.79	0.75	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.79	0.75	0.72	0.78	0.74	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.69
10	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67

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	35414.40	33342.49	27794.36	20864.95	14779.66	9753.35	6522.70	4565.89	3387.20
30.0	36319.91	34700.74	29244.70	22031.36	15232.41	10175.41	6676.17	4673.32	3381.83
60.0	36212.47	33549.68	27272.54	19967.12	13550.33	8675.95	5729.23	4046.37	2968.98
90.0	36051.32	33795.24	28132.00	20726.83	13950.90	8886.21	5893.45	4082.44	3034.97
120.0	35790.42	33050.88	26911.88	20105.25	13470.52	8870.10	5852.01	4047.14	2965.14
150.0	35567.88	34033.13	28830.32	21900.91	15309.15	10321.21	6806.63	4680.99	3616.64
180.0	35414.40	33634.09	28661.49	21616.98	15043.64	10269.03	7057.56	4895.86	3553.72
210.0	36319.91	33703.15	27602.51	20849.61	14373.72	9834.69	6788.21	4848.28	3603.60
240.0	36212.47	34424.49	28554.06	21540.24	14963.83	10052.63	6983.12	5156.77	3913.62
270.0	36051.32	33495.96	27433.69	20036.19	13861.11	9307.50	6551.86	4790.73	3671.13
300.0	35790.42	33941.04	28438.95	21079.82	14549.45	9922.17	6852.67	4972.60	3898.27
330.0	35567.88	33004.84	27349.28	20327.79	13898.71	9439.49	6487.40	4630.35	3451.66
360.0	35414.40	33342.49	27794.36	20864.95	14779.66	9753.35	6522.70	4565.89	3387.20
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2571.48	2021.27	1572.35	1242.38	995.29	811.88	668.38	560.95	478.84
30.0	2553.83	1980.60	1570.05	1243.92	997.59	817.26	675.29	570.93	488.05
60.0	2275.27	1768.03	1417.27	1131.42	920.47	752.49	628.48	533.25	463.65
90.0	2307.50	1797.96	1415.04	1127.28	920.08	755.10	636.15	540.23	466.56
120.0	2299.06	1788.75	1416.65	1143.08	920.31	759.01	631.86	534.55	459.97
150.0	2576.85	1992.11	1558.54	1246.99	999.12	818.02	672.22	564.02	481.14
180.0	2724.95	2096.47	1529.23	1296.25	1043.02	840.81	697.08	580.83	491.50
210.0	2767.16	2169.37	1692.06	1360.40	1079.47	875.73	711.89	597.40	506.54
240.0	2968.21	2336.66	1814.84	1442.67	1146.46	913.94	745.89	625.41	526.42
270.0	2840.83	2234.60	1720.46	1383.50	1098.88	895.45	736.14	613.13	525.12
300.0	2912.19	2273.74	1768.80	1409.67	1120.37	904.74	730.54	612.37	514.91
330.0	2689.65	2086.50	1514.03	1312.21	1040.72	845.49	694.01	577.53	491.35
360.0	2571.48	2021.27	1572.35	1242.38	995.29	811.88	668.38	560.95	478.84
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	413.62	365.12	323.91	293.67	267.35	246.33	229.37	215.33	202.89
30.0	423.59	390.59	339.26	307.95	281.78	261.29	243.80	228.75	216.17
60.0	407.40	362.82	329.13	300.43	277.25	255.38	238.58	222.69	209.11
90.0	412.85	370.57	335.11	305.26	280.17	257.76	238.65	220.16	204.66
120.0	405.40	360.74	325.14	297.74	273.26	252.31	234.59	219.78	205.35
150.0	421.29	387.52	334.58	304.88	278.71	258.30	240.57	225.69	212.49
180.0	424.05	373.48	331.28	297.74	271.57	248.86	231.06	216.71	204.89
210.0	438.79	387.29	345.09	313.17	283.09	261.45	243.72	229.06	215.56
240.0	454.29	401.34	357.44	321.84	291.60	266.89	246.63	229.45	214.56
270.0	455.90	401.18	358.75	325.06	292.29	267.35	245.41	224.30	209.26
300.0	448.15	393.66	353.22	317.92	288.15	262.67	242.87	226.53	210.80
330.0	429.81	378.09	337.72	307.10	279.32	257.22	239.81	225.30	212.03
360.0	413.62	365.12	323.91	293.67	267.35	246.33	229.37	215.33	202.89
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	192.07	182.18	171.12	161.07	150.48	139.28	128.92	118.79	107.66
30.0	203.97	192.30	181.64	170.05	158.85	148.33	136.75	125.39	113.73
60.0	195.45	181.56	168.21	153.48	140.81	126.46	114.26	102.06	89.25
90.0	190.08	177.11	163.76	149.87	137.67	125.08	112.34	97.99	84.03
120.0	192.53	179.03	165.14	151.33	138.43	125.24	112.73	101.37	88.17
150.0	201.13	190.08	179.11	168.67	157.62	146.65	135.44	124.70	112.96
180.0	193.99	184.09	173.58	163.07	152.55	141.50	131.45	120.78	110.27
210.0	203.74	192.61	181.25	170.05	158.62	148.26	137.28	126.08	114.19
240.0	200.75	186.55	172.20	159.00	145.42	130.99	117.18	104.98	91.62
270.0	194.45	180.03	165.91	151.79	137.67	124.47	111.35	96.46	82.65
300.0	197.52	183.56	169.13	155.32	142.58	127.46	114.26	102.60	89.09
330.0	200.59	188.85	177.49	167.06	155.85	144.73	133.68	122.70	111.04
360.0	192.07	182.18	171.12	161.07	150.48	139.28	128.92	118.79	107.66

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/2
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

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	96.69	86.18	74.67	63.85	52.03	41.52	29.62	16.50	4.45
30.0	101.60	86.94	70.52	56.63	42.13	31.54	20.41	6.75	3.15
60.0	75.20	62.08	53.79	44.05	32.00	16.35	11.89	6.91	4.76
90.0	72.59	65.07	55.48	43.59	28.55	18.57	13.20	8.44	5.60
120.0	74.13	61.47	53.72	44.20	31.77	16.88	12.12	6.98	5.06
150.0	100.45	86.71	70.45	56.79	42.59	32.15	20.87	7.06	3.38
180.0	99.07	87.86	76.81	65.99	54.64	43.89	32.23	19.64	7.06
210.0	101.14	85.87	68.07	54.33	39.83	29.62	17.11	5.91	2.99
240.0	78.66	64.54	55.71	46.12	32.15	16.11	11.51	6.45	4.37
270.0	71.67	64.08	52.72	39.44	23.10	17.04	11.05	7.83	4.14
300.0	75.51	62.00	54.02	44.05	31.00	15.58	11.28	6.52	4.14
330.0	99.14	83.57	66.92	52.49	38.45	28.47	15.81	5.68	2.92
360.0	96.69	86.18	74.67	63.85	52.03	41.52	29.62	16.50	4.45
C/γ(°)	90.0								
0.0	0.31								
30.0	0.77								
60.0	0.38								
90.0	0.46								
120.0	0.61								
150.0	0.92								
180.0	0.38								
210.0	0.38								
240.0	0.31								
270.0	0.23								
300.0	0.23								
330.0	0.38								
360.0	0.31								