

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2032A-108-UN(2515-OL-108WN-AA, CT)

报告编号:

电压(V): 219.1000

测试编号: 20210423007

电流(A): 0.5420

光源规格型号: OL

功率(W): 117.3000

每个光源光通量(lm)

功率因数: 0.9870

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 10850.28

灯具效能(lm/w): 92.50

中心光强(cd): 57806.430

最大光强(cd): 59195.390

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=24.7

[C90/270]Total=12.6

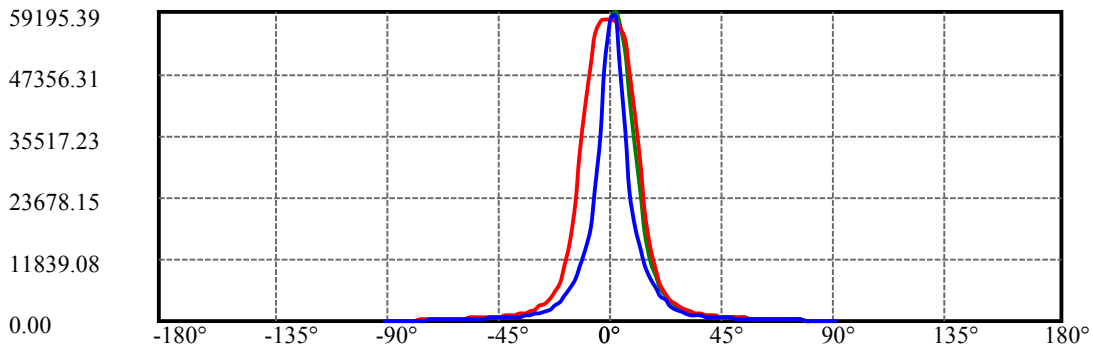
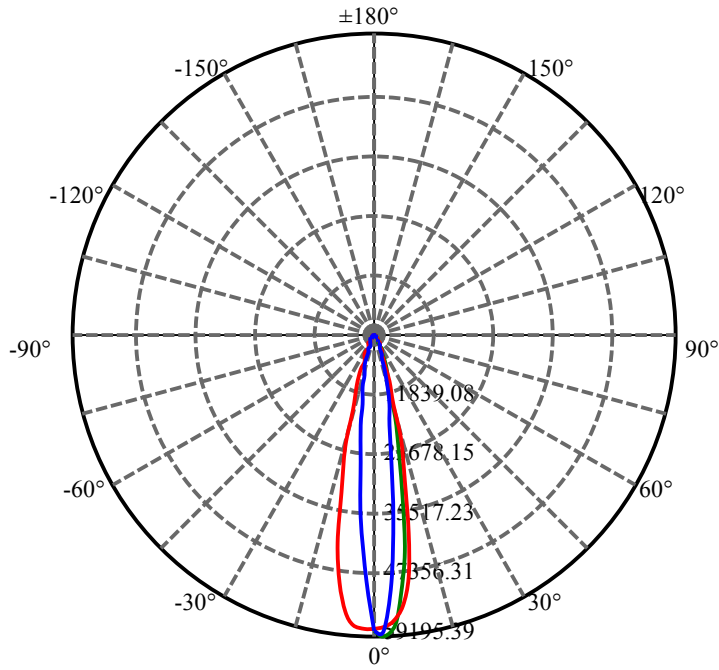
光束扩散角(10%Imax): [C0/180]Total=43.0

[C90/270]Total=35.4

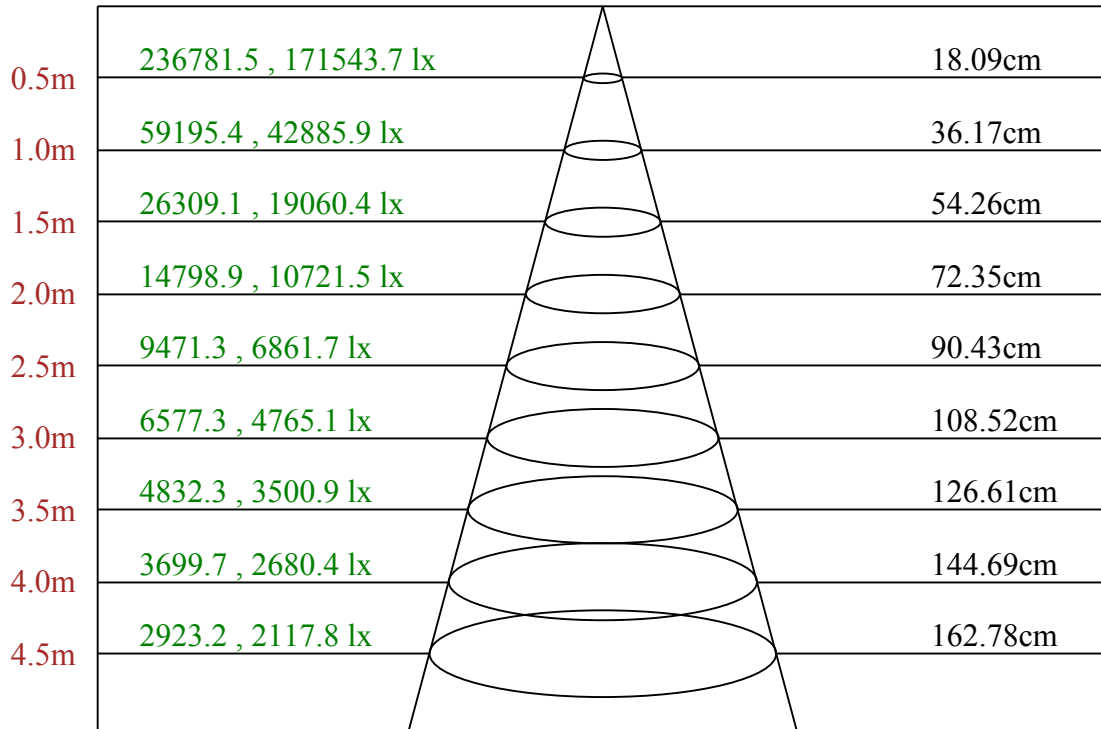
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

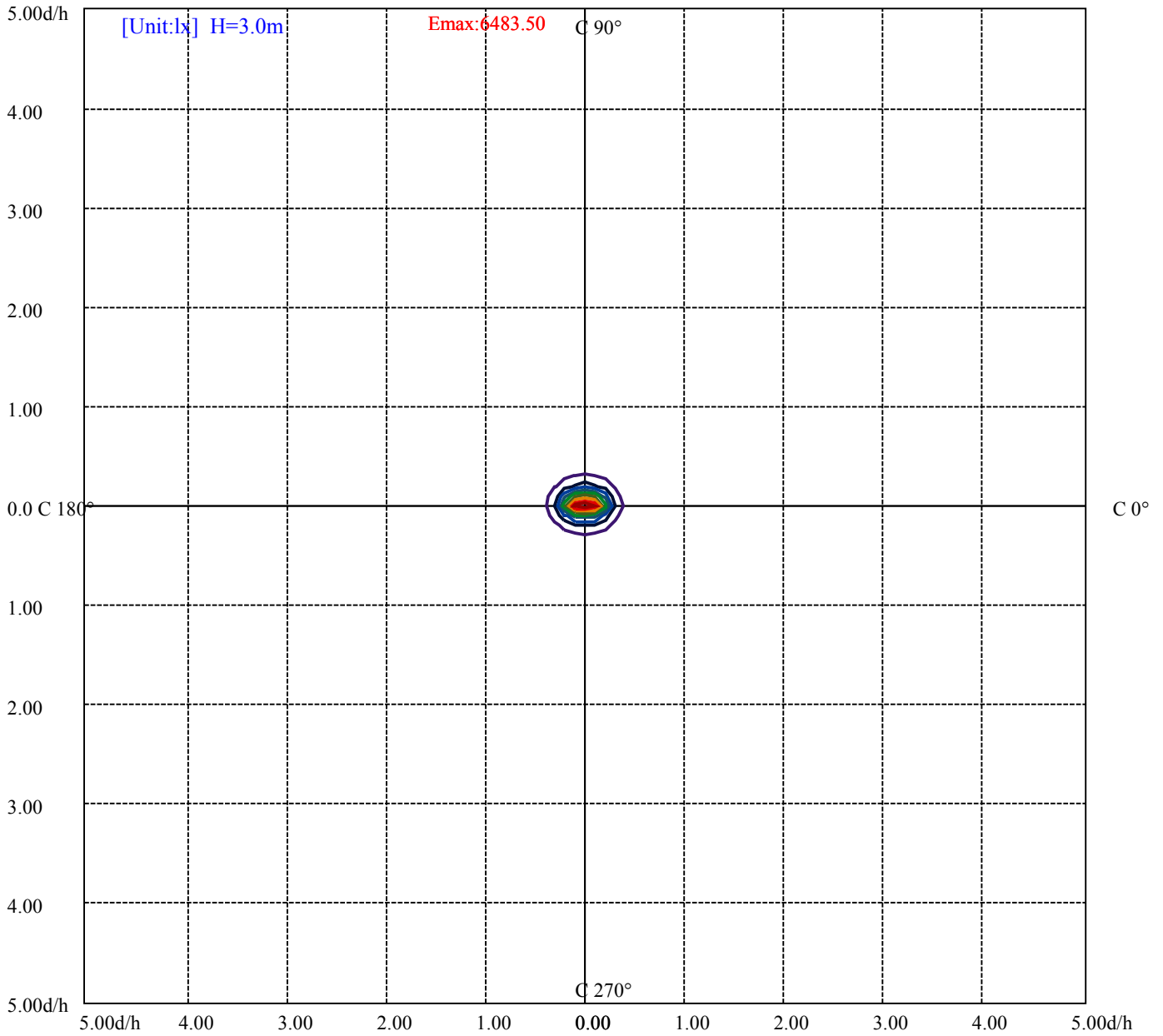


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角20.50

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平面等照度曲线



- (10%Emax) 648.3478
- (20%Emax) 1296.7
- (30%Emax) 1945.044
- (40%Emax) 2593.389
- (50%Emax) 3241.744
- (60%Emax) 3890.089
- (70%Emax) 4538.433
- (80%Emax) 5186.789
- (90%Emax) 5835.133

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

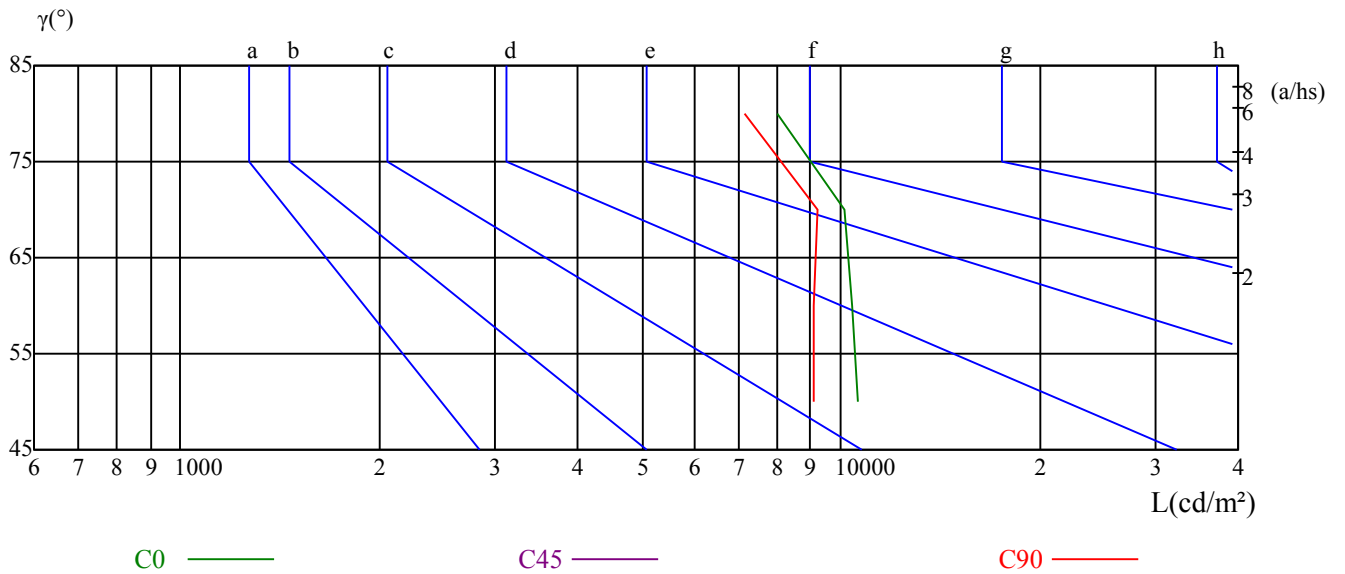
γ	45	50	55	60	65	70	75	80	85
C0	0	10612	0	10428	0	10137	0	8021	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9119	0	9133	0	9202	0	7157	0

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

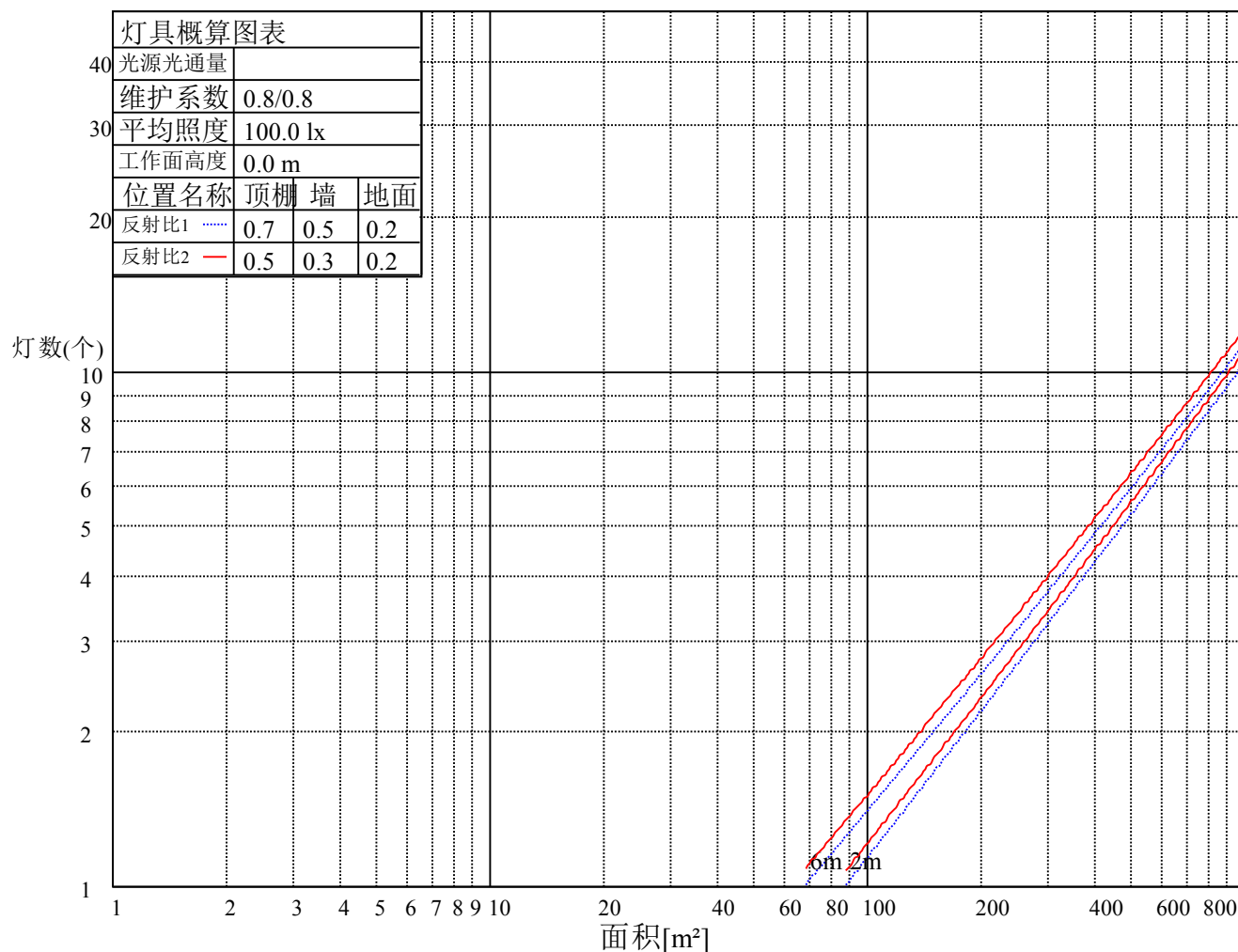
亮度限制曲线



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	7.69	8.79	8.05	9.10	9.41	8.48	9.58	8.84	9.89	10.21
	3H	9.65	10.63	10.04	10.96	11.33	10.49	11.47	10.87	11.80	12.17
	4H	10.30	11.21	10.70	11.56	11.95	11.23	12.13	11.63	12.49	12.87
	6H	10.66	11.49	11.08	11.86	12.26	11.71	12.54	12.13	12.92	13.31
	8H	10.72	11.50	11.15	11.89	12.30	11.83	12.61	12.26	13.01	13.42
	12H	10.74	11.49	11.17	11.87	12.30	11.94	12.69	12.37	13.07	13.50
4H	2H	8.49	9.40	8.90	9.75	10.14	9.09	10.00	9.49	10.35	10.74
	3H	10.64	11.38	11.05	11.79	12.20	11.30	12.05	11.71	12.45	12.86
	4H	11.38	12.05	11.82	12.47	12.92	12.15	12.82	12.58	13.24	13.69
	6H	11.74	12.32	12.21	12.77	13.24	12.64	13.21	13.11	13.66	14.13
	8H	11.82	12.35	12.29	12.80	13.28	12.79	13.33	13.27	13.78	14.25
	12H	11.84	12.30	12.33	12.79	13.27	12.90	13.37	13.39	13.85	14.33
8H	4H	11.69	12.23	12.17	12.68	13.15	12.37	12.91	12.84	13.35	13.83
	6H	12.17	12.59	12.67	13.09	13.58	12.99	13.41	13.49	13.91	14.40
	8H	12.29	12.67	12.82	13.19	13.68	13.20	13.58	13.73	14.10	14.60
	12H	12.86	13.18	13.38	13.68	14.26	13.83	14.15	14.35	14.65	15.23
12H	4H	11.70	12.17	12.19	12.65	13.13	12.35	12.82	12.84	13.31	13.78
	6H	12.58	12.59	12.74	13.06	13.60	13.37	13.38	13.53	13.85	14.39
	8H	12.36	12.69	12.88	13.19	13.76	13.25	13.58	13.77	14.07	14.65
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.6					0.3/-0.6					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	0.8/-0.8					1.1/-0.7					
标准表格	BK4					BK3					
更正系数	2.5					2.5					

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灯具的概算曲线



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	1.08	1.06	1.09	1.06	1.04	1.05	1.03	1.01	1.01	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	1.00	0.96	1.02	0.98	0.95	0.99	0.96	0.93	0.96	0.93	0.91	0.93	0.91	0.89	0.88
3	0.97	0.93	0.89	0.96	0.92	0.88	0.93	0.90	0.87	0.91	0.88	0.85	0.89	0.86	0.84	0.83
4	0.92	0.87	0.83	0.91	0.86	0.83	0.89	0.85	0.82	0.87	0.84	0.81	0.85	0.82	0.80	0.79
5	0.88	0.83	0.79	0.87	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.76	0.75
6	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.74	0.81	0.77	0.74	0.79	0.76	0.73	0.72
7	0.81	0.76	0.72	0.80	0.75	0.72	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.69
8	0.78	0.73	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
9	0.75	0.70	0.67	0.75	0.70	0.67	0.74	0.69	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.65
10	0.73	0.68	0.65	0.72	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.63

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	57806.43	57461.11	56363.77	53524.48	47876.59	39274.30	29436.54	21041.45	14073.68
30.0	58144.08	59195.38	56939.30	51283.74	43195.60	33158.32	23873.07	16828.56	11579.70
60.0	58558.46	58051.99	50094.31	39266.63	27571.82	19790.63	14366.81	10803.12	8158.74
90.0	57883.17	57921.54	48920.22	36012.96	25154.59	18017.99	13728.36	10490.03	8141.86
120.0	58036.65	57192.53	49173.45	38668.08	27817.38	19829.00	14936.97	11192.18	8619.17
150.0	57952.24	58673.57	56517.24	51168.63	43003.75	33787.57	24671.14	17634.30	12086.17
180.0	57806.43	57821.78	57177.19	54759.95	49257.87	41269.48	31592.87	22622.24	15200.18
210.0	58144.08	54491.37	48283.30	40908.81	32337.22	24018.87	16429.52	12646.36	9174.75
240.0	58558.46	51644.40	40402.35	29789.54	21563.27	15815.62	11894.33	9239.21	7090.55
270.0	57883.17	48398.40	35844.13	25062.50	18041.01	13642.41	10463.94	8052.84	6264.86
300.0	58036.65	51398.84	40962.53	29766.52	21686.05	15715.86	11702.48	8924.58	6929.41
330.0	57952.24	54514.39	48498.16	41000.90	32145.38	23612.16	15151.07	12149.10	8883.91
360.0	57806.43	57461.11	56363.77	53524.48	47876.59	39274.30	29436.54	21041.45	14073.68

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	9530.81	6921.73	5133.75	4036.40	3212.24	2645.15	2192.39	1860.89	1570.82
30.0	8410.44	6215.75	4742.38	3898.27	3029.60	2467.11	2037.38	1715.85	1450.34
60.0	6271.76	4896.63	3812.32	3012.72	2413.40	1984.43	1646.79	1409.44	1210.77
90.0	6284.81	4834.47	3905.94	2895.31	2281.41	1840.94	1530.15	1281.52	1105.02
120.0	6563.37	5128.37	3979.61	3165.43	2520.06	2040.45	1700.51	1436.99	1231.41
150.0	8855.52	6591.76	5095.38	3975.01	3176.94	2605.24	2144.82	1790.29	1513.27
180.0	10387.97	7338.42	5525.87	4281.19	3409.45	2798.62	2313.64	1932.25	1631.44
210.0	6901.78	5359.35	4163.78	3368.01	2736.46	2235.37	1861.65	1520.17	1350.51
240.0	5463.72	4312.65	3368.78	2670.47	2188.56	1791.82	1499.45	1285.35	1117.30
270.0	4840.61	3710.26	2885.33	2285.25	1868.56	1523.70	1289.88	1105.48	973.80
300.0	5340.94	4174.53	3306.62	2626.73	2135.61	1751.15	1484.11	1271.54	1108.86
330.0	6653.92	5098.45	3971.94	3224.51	2629.03	2163.23	1827.89	1530.38	1332.47
360.0	9530.81	6921.73	5133.75	4036.40	3212.24	2645.15	2192.39	1860.89	1570.82

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1345.21	1180.22	1035.96	920.08	822.63	746.66	685.27	638.46	598.55
30.0	1241.61	1075.09	949.24	845.65	766.61	700.61	648.43	610.83	577.07
60.0	1057.67	935.51	843.58	766.07	702.92	654.49	613.29	579.14	549.90
90.0	962.29	864.83	785.79	724.40	670.69	624.64	586.28	548.67	516.44
120.0	1071.26	950.78	851.10	776.81	712.20	660.48	619.35	587.04	558.73
150.0	1308.38	1132.65	999.89	888.62	799.61	729.01	675.29	630.78	597.02
180.0	1413.51	1223.35	1079.16	954.16	850.02	765.00	703.38	650.20	609.30
210.0	1165.26	1023.45	902.74	813.96	734.15	677.21	632.01	597.86	569.55
240.0	981.47	881.72	795.00	725.94	670.69	626.18	590.88	562.49	534.86
270.0	872.58	792.78	730.31	677.82	631.40	588.42	553.05	521.05	493.19
300.0	974.57	874.04	790.40	726.71	672.99	628.48	594.72	565.56	538.70
330.0	1165.03	1020.23	903.82	818.33	745.89	687.65	643.21	609.07	580.37
360.0	1345.21	1180.22	1035.96	920.08	822.63	746.66	685.27	638.46	598.55

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	570.93	549.44	511.84	488.05	456.59	425.13	391.36	360.05	324.52
30.0	552.51	531.02	513.37	492.66	466.56	437.40	402.87	369.41	333.19
60.0	525.50	502.09	482.30	461.50	441.70	418.07	389.44	352.69	317.08
90.0	489.59	468.87	448.15	427.43	405.94	387.52	351.84	321.99	294.60
120.0	533.79	512.30	491.96	472.93	452.37	430.57	402.87	367.42	330.89
150.0	570.93	559.42	540.23	521.05	496.49	465.03	428.20	394.43	353.15
180.0	578.91	559.19	532.02	500.71	470.55	437.48	405.48	371.26	337.95
210.0	547.68	529.64	511.07	488.51	460.04	428.50	392.36	355.99	320.15
240.0	509.54	488.82	468.10	448.91	425.89	397.50	364.12	330.43	294.98
270.0	471.09	450.14	428.27	402.26	373.17	344.86	318.84	291.91	259.37
300.0	515.68	497.26	480.38	461.19	439.71	409.01	387.52	339.41	304.19
330.0	557.73	538.39	517.75	493.35	462.96	428.12	391.59	355.99	315.39
360.0	570.93	549.44	511.84	488.05	456.59	425.13	391.36	360.05	324.52

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/23
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	288.76	249.55	209.19	169.90	130.38	92.70	56.17	20.80	3.15
30.0	298.89	263.59	224.92	179.49	140.58	101.45	60.62	24.48	4.37
60.0	283.09	248.86	203.66	159.77	119.33	79.50	47.04	12.28	4.53
90.0	265.44	225.38	187.78	150.71	116.33	78.73	43.51	9.29	4.76
120.0	293.29	258.30	209.42	167.13	124.39	85.79	50.34	14.43	4.60
150.0	316.24	279.94	232.98	186.47	147.11	109.73	66.68	29.85	5.45
180.0	297.90	260.22	218.70	175.19	137.13	97.92	60.78	26.01	3.38
210.0	284.24	241.72	194.68	157.93	118.87	76.89	39.06	10.28	2.92
240.0	262.75	215.25	171.28	131.14	94.16	56.17	19.49	4.68	2.92
270.0	218.70	183.48	143.27	110.20	74.67	36.91	5.76	4.22	2.38
300.0	263.75	216.48	171.20	128.92	93.62	55.40	18.19	4.83	2.92
330.0	276.03	235.51	189.70	151.48	115.34	72.29	36.53	9.44	2.84
360.0	288.76	249.55	209.19	169.90	130.38	92.70	56.17	20.80	3.15

C/γ(°)	90.0
0.0	1.00
30.0	2.00
60.0	2.53
90.0	2.84
120.0	2.69
150.0	2.23
180.0	1.61
210.0	0.92
240.0	0.92
270.0	0.84
300.0	0.92
330.0	0.92
360.0	1.00