

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3073A-60-UN (10-OL-60WN-AA, L520mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210330009

电流(A): 0.3170

光源规格型号: OL

功率(W): 68.5000

每个光源光通量(lm)

功率因数: 0.9790

光源数量: 60

镇流器型号:

发光面长度(mm): 460

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 6225.06

灯具效能(lm/w): 90.88

中心光强(cd): 62349.300

最大光强(cd): 64175.660

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=10.7

[C90/270]Total=10.7

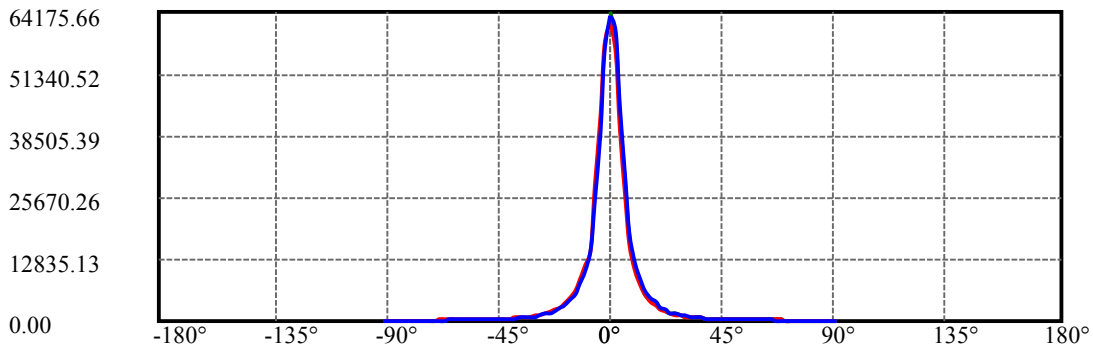
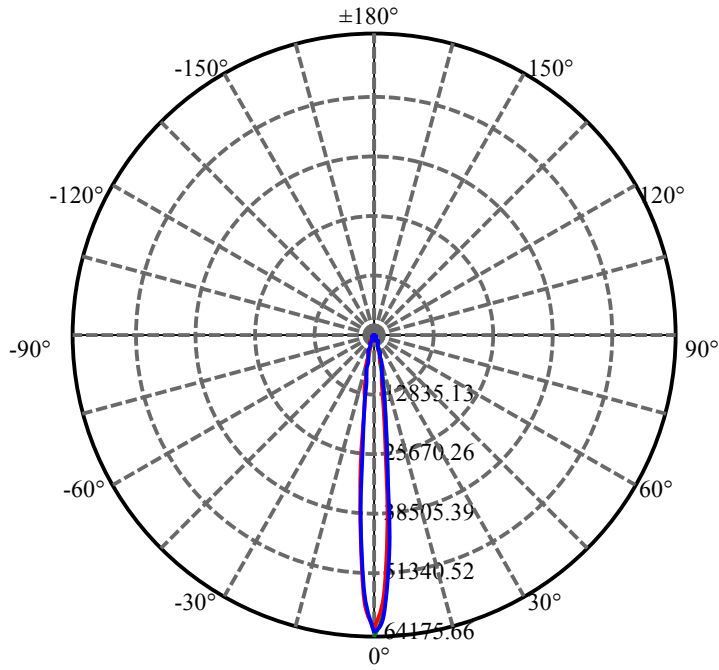
光束扩散角(10%Imax): [C0/180]Total=27.1

[C90/270]Total=27.1

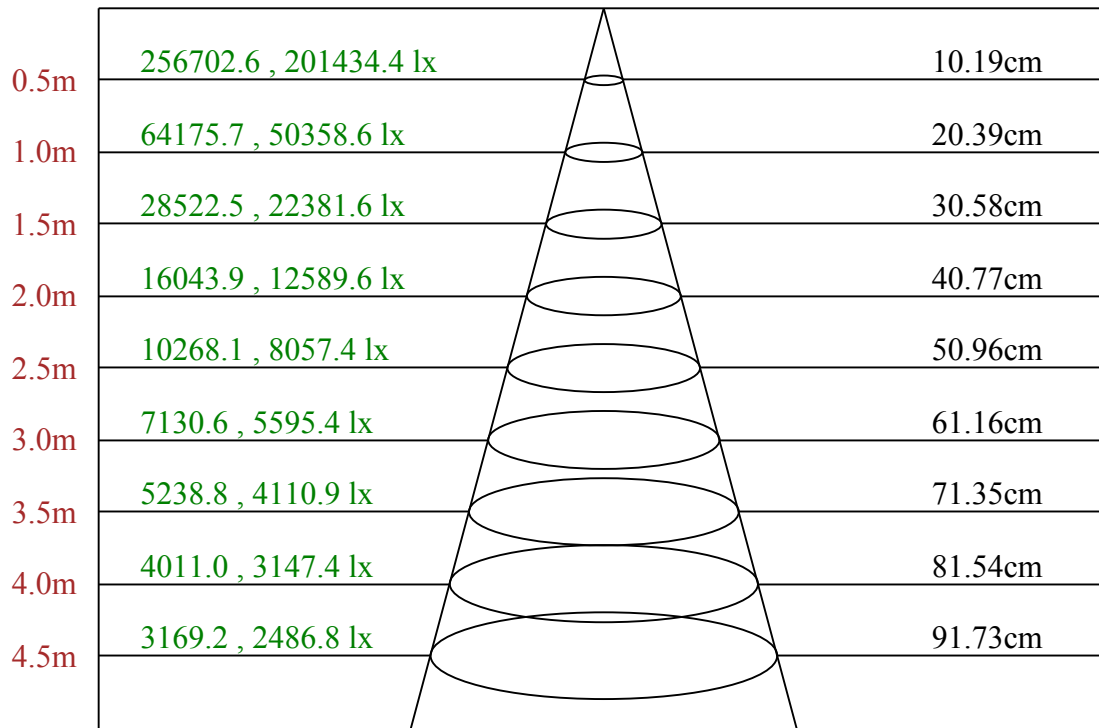
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/30
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

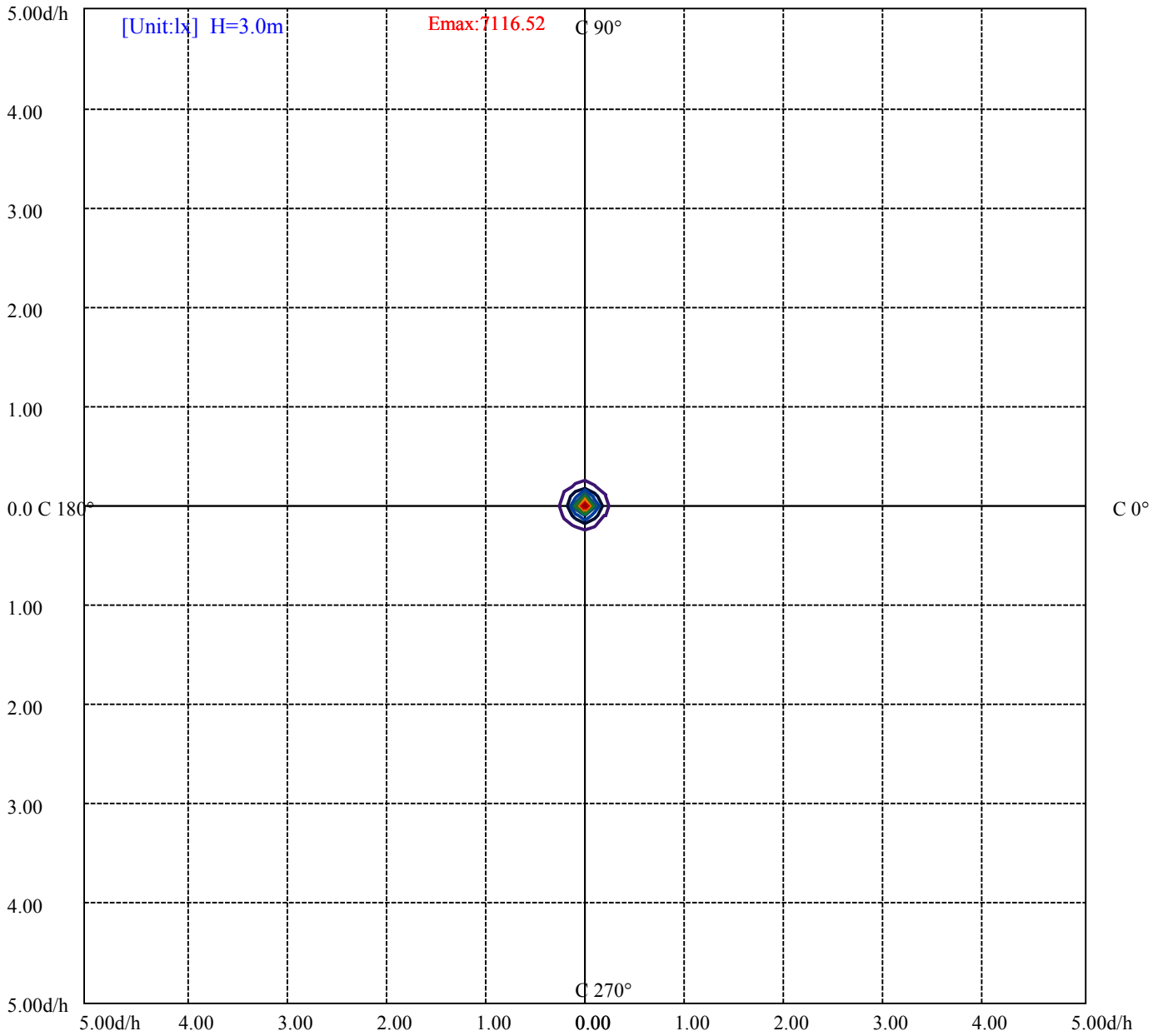


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角11.64

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平面等照度曲线



- (10%Emax) 711.65
- (20%Emax) 1423.3
- (30%Emax) 2134.956
- (40%Emax) 2846.6
- (50%Emax) 3558.256
- (60%Emax) 4269.9
- (70%Emax) 4981.556
- (80%Emax) 5693.2
- (90%Emax) 6404.855

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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

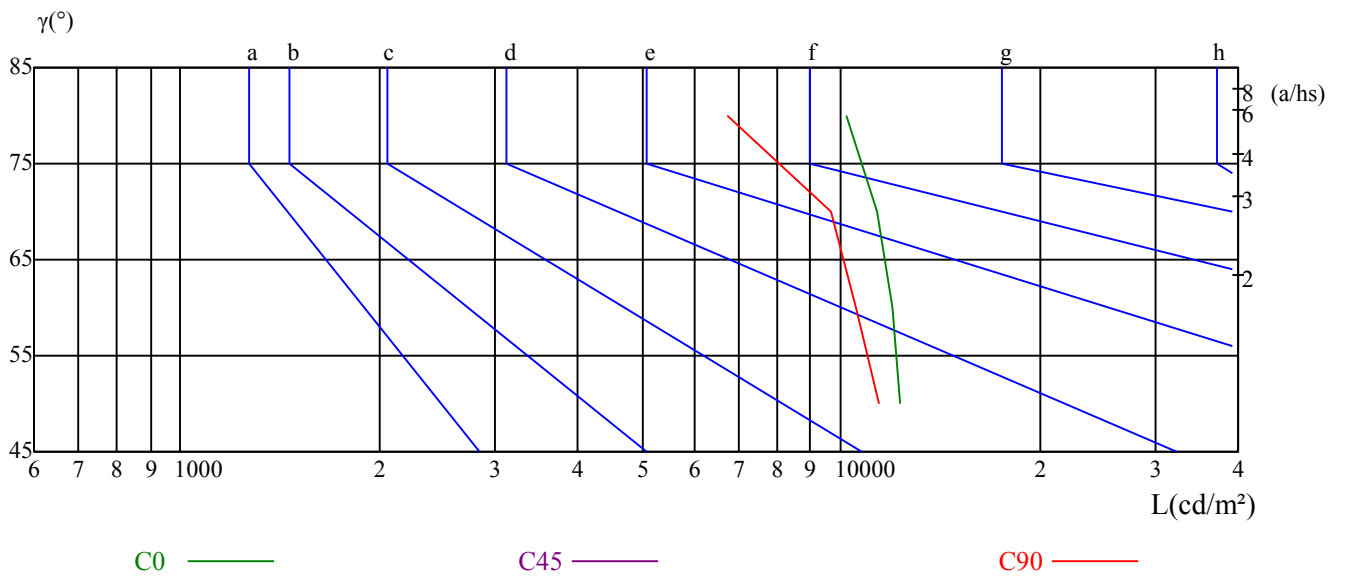
γ	45	50	55	60	65	70	75	80	85
C0	0	12344	0	11946	0	11389	0	10204	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11467	0	10524	0	9693	0	6734	0

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

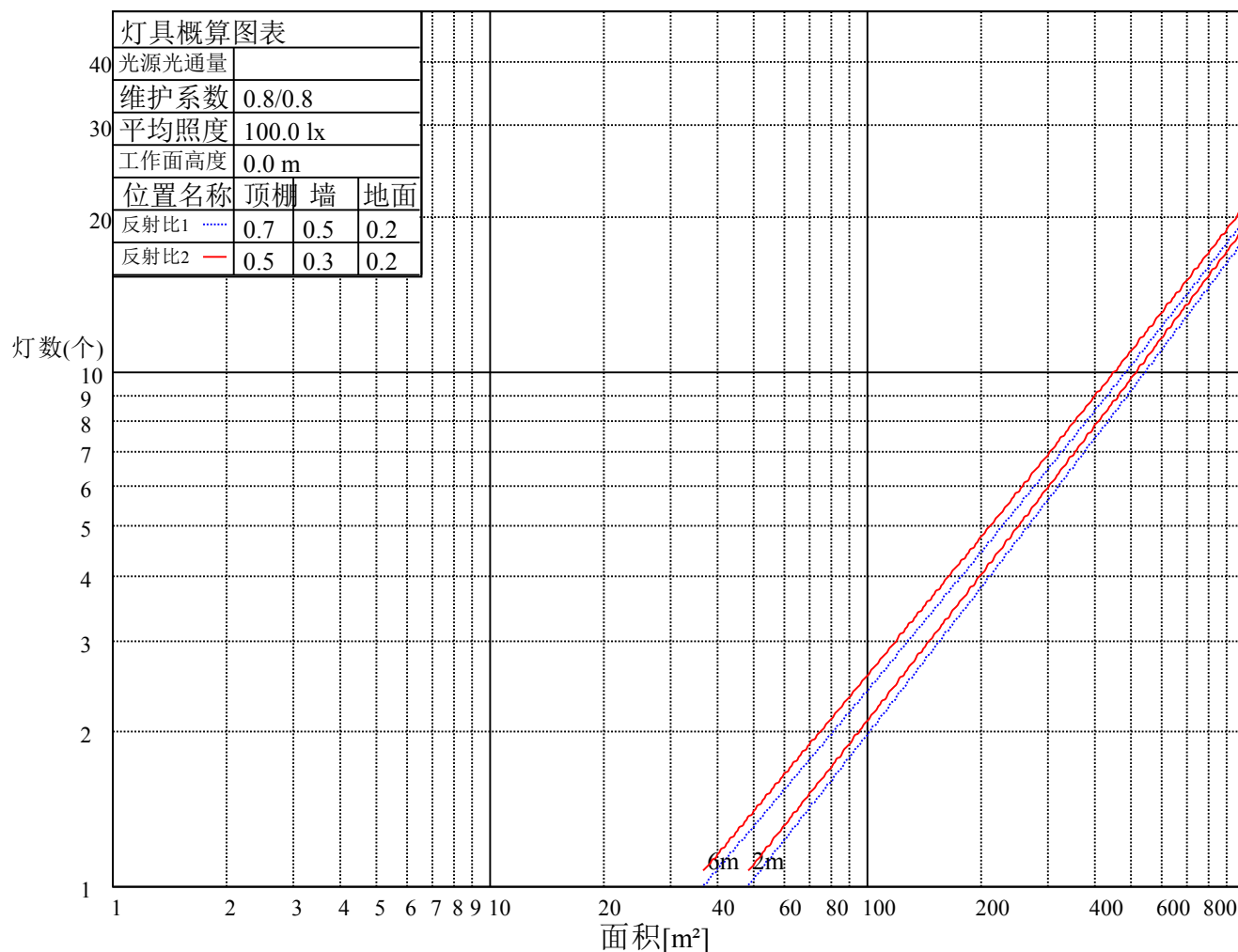
亮度限制曲线



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	10.07	11.17	10.44	11.48	11.80	10.72	11.82	11.09	12.13	12.44
	3H	11.81	12.78	12.19	13.11	13.48	12.62	13.59	13.00	13.92	14.29
	4H	12.41	13.31	12.81	13.66	14.05	13.32	14.22	13.73	14.57	14.96
	6H	12.75	13.58	13.17	13.95	14.35	13.83	14.66	14.25	15.03	15.43
	8H	12.82	13.60	13.26	13.99	14.40	13.98	14.76	14.42	15.15	15.56
	12H	12.88	13.62	13.31	14.01	14.44	14.16	14.90	14.59	15.28	15.71
4H	2H	10.70	11.60	11.10	11.95	12.34	11.21	12.11	11.61	12.46	12.85
	3H	12.60	13.34	13.02	13.75	14.16	13.30	14.04	13.72	14.45	14.86
	4H	13.32	13.98	13.75	14.40	14.85	14.12	14.78	14.56	15.20	15.65
	6H	13.69	14.26	14.15	14.70	15.18	14.64	15.21	15.11	15.66	16.13
	8H	13.78	14.31	14.25	14.76	15.23	14.84	15.37	15.32	15.82	16.30
	12H	13.84	14.30	14.33	14.79	15.26	15.02	15.48	15.51	15.97	16.45
8H	4H	13.60	14.13	14.07	14.58	15.05	14.30	14.83	14.78	15.28	15.76
	6H	14.09	14.51	14.59	15.01	15.50	14.96	15.38	15.47	15.88	16.37
	8H	14.23	14.61	14.76	15.13	15.63	15.23	15.60	15.76	16.12	16.62
	12H	14.82	15.14	15.34	15.64	16.22	15.92	16.24	16.44	16.74	17.32
12H	4H	13.61	14.07	14.10	14.56	15.03	14.29	14.75	14.78	15.24	15.71
	6H	14.50	14.51	14.66	14.98	15.53	15.34	15.35	15.50	15.82	16.37
	8H	14.32	14.64	14.84	15.14	15.72	15.28	15.60	15.80	16.10	16.68
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.6					
S = 2.0H	1.3/-0.9					0.8/-0.7					
标准表格	BK3					BK3					
更正系数	2.0					2.8					

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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	1.06	1.09	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	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	0.86	0.90	0.87	0.85	0.84
4	0.93	0.88	0.85	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	0.77
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.77	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.71
8	0.79	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.76	0.73	0.70	0.69
9	0.77	0.72	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
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	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	62349.30	55558.02	40287.24	25239.00	16007.46	10397.94	7251.70	5440.70	4105.46
30.0	64175.65	58596.83	43333.72	27763.66	17480.83	11257.41	7880.95	5778.34	4420.09
60.0	63922.42	57200.21	41591.78	26528.19	15122.68	10850.70	7820.33	5743.81	4346.42
90.0	63561.75	59655.81	45098.69	29237.03	18486.09	11886.65	8295.33	6185.05	4650.30
120.0	63791.97	58873.09	44032.03	28615.45	15118.07	11802.24	8369.00	6263.32	4743.92
150.0	63431.30	60538.29	46725.52	30856.19	19276.49	12784.48	8970.63	6622.45	5080.03
180.0	62349.30	57008.36	42527.98	27779.01	15170.26	11627.28	8392.79	6182.75	4691.74
210.0	64175.65	57315.31	42458.91	26727.71	15240.85	11549.78	8243.92	6142.84	4664.11
240.0	63922.42	58159.43	42965.38	27379.98	17618.95	11618.07	8218.60	6146.68	4734.71
270.0	63561.75	55297.11	39036.42	24617.42	15023.69	10453.96	7640.00	5706.98	4327.23
300.0	63791.97	56225.64	40363.98	25860.57	16253.02	10988.82	7658.41	5809.04	4404.74
330.0	63431.30	54084.66	38491.58	24103.28	14981.48	9949.80	7261.68	5413.84	4152.27
360.0	62349.30	55558.02	40287.24	25239.00	16007.46	10397.94	7251.70	5440.70	4105.46

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3153.15	2486.30	1996.71	1608.42	1339.84	1118.83	950.78	823.39	726.71
30.0	3412.52	2698.86	2134.07	1717.39	1405.07	1176.39	994.52	854.86	748.19
60.0	3358.80	2648.98	2094.17	1705.11	1399.00	1160.20	980.63	842.20	739.98
90.0	3921.29	2832.38	2227.69	1782.61	1464.15	1207.85	1015.24	873.27	754.33
120.0	3668.06	2850.03	2269.13	1814.84	1478.35	1228.65	1031.97	879.34	761.70
150.0	3898.27	3077.18	2380.40	1916.91	1547.80	1280.75	1071.26	911.64	791.16
180.0	3628.15	2858.48	2251.48	1802.57	1482.72	1220.90	1035.19	876.19	764.92
210.0	3664.22	2866.15	2278.34	1827.89	1496.46	1230.79	1043.78	891.31	769.06
240.0	3890.60	2852.34	2272.20	1809.47	1489.48	1225.50	1024.45	876.34	763.54
270.0	3357.27	2657.42	2089.56	1684.39	1396.47	1153.29	974.11	840.12	725.63
300.0	3434.01	2691.19	2118.73	1711.25	1399.69	1155.67	972.27	842.58	730.54
330.0	3212.24	2516.23	1987.50	1519.17	1338.76	1111.47	952.93	822.55	722.02
360.0	3153.15	2486.30	1996.71	1608.42	1339.84	1118.83	950.78	823.39	726.71

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	644.60	584.74	535.63	491.89	455.05	420.52	396.73	375.94	355.45
30.0	662.25	593.95	540.23	494.19	452.75	418.22	392.13	369.49	348.16
60.0	655.03	590.04	533.79	487.13	446.31	413.54	384.23	357.21	333.96
90.0	662.25	587.81	530.26	481.14	438.94	403.64	375.25	349.23	327.21
120.0	673.99	600.93	544.76	495.65	452.91	416.69	386.60	360.44	335.73
150.0	693.71	617.74	556.35	508.00	464.26	425.13	395.97	372.41	350.77
180.0	674.83	607.15	549.75	502.86	463.73	427.43	398.73	373.02	350.00
210.0	681.81	608.91	551.36	499.64	459.04	422.36	393.89	369.72	346.55
240.0	669.15	597.79	539.47	488.82	446.61	409.78	388.29	356.29	331.74
270.0	638.99	572.31	513.68	467.49	427.74	390.90	362.51	337.34	315.16
300.0	647.67	580.14	524.12	477.31	438.94	403.64	376.86	352.15	327.13
330.0	642.45	577.68	523.73	479.99	443.93	411.54	386.30	362.43	340.33
360.0	644.60	584.74	535.63	491.89	455.05	420.52	396.73	375.94	355.45

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	336.19	319.00	301.04	283.01	266.74	246.71	227.14	206.50	184.55
30.0	327.98	308.79	289.76	271.73	254.46	236.51	218.93	199.52	178.26
60.0	311.32	289.68	267.43	247.79	228.68	209.65	191.77	172.89	155.09
90.0	305.88	285.85	267.81	249.32	231.29	211.64	192.69	175.04	157.08
120.0	313.93	292.22	270.27	249.17	231.29	212.41	193.69	175.96	157.08
150.0	329.05	309.18	288.92	270.50	250.63	230.90	214.87	192.46	169.51
180.0	329.13	311.71	295.06	277.87	260.22	240.88	220.39	199.44	177.95
210.0	327.44	308.18	288.69	269.81	252.85	233.97	215.48	195.68	172.66
240.0	308.72	286.92	264.28	245.02	226.45	207.11	189.54	171.51	153.40
270.0	295.06	276.56	257.45	239.34	220.31	202.05	184.40	166.67	150.25
300.0	305.80	283.24	262.06	241.95	223.77	205.81	187.47	170.13	151.02
330.0	320.84	302.96	283.47	265.82	249.09	230.44	212.49	191.92	168.90
360.0	336.19	319.00	301.04	283.01	266.74	246.71	227.14	206.50	184.55

测试设备: GMS1800
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测试日期: 2021/3/30
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	164.37	145.34	124.31	103.67	83.95	62.16	42.82	22.79	5.53
30.0	153.48	132.53	110.50	90.78	73.13	52.26	31.62	13.66	4.45
60.0	138.66	120.94	97.53	76.81	59.32	36.14	17.96	11.28	5.60
90.0	138.97	116.41	95.77	76.20	55.40	36.30	20.72	11.28	6.91
120.0	141.58	122.86	100.37	78.35	61.62	37.75	18.42	11.51	5.83
150.0	149.25	129.84	107.82	89.32	72.59	52.41	31.46	13.74	4.68
180.0	157.16	135.98	114.80	95.15	73.51	53.64	36.22	22.02	6.37
210.0	150.33	128.23	107.28	88.40	71.14	47.58	29.77	11.05	3.91
240.0	137.97	120.94	97.23	76.97	60.55	36.91	18.80	11.74	6.22
270.0	129.76	107.74	86.79	71.14	48.34	30.62	20.03	9.75	6.37
300.0	136.21	118.18	95.85	74.44	58.47	36.30	18.49	11.20	5.99
330.0	146.80	125.16	104.29	85.26	68.22	45.04	27.63	10.05	3.53
360.0	164.37	145.34	124.31	103.67	83.95	62.16	42.82	22.79	5.53
C/γ(°)	90.0								
0.0	0.77								
30.0	0.77								
60.0	0.54								
90.0	0.54								
120.0	0.54								
150.0	1.00								
180.0	1.15								
210.0	0.54								
240.0	0.46								
270.0	0.38								
300.0	0.46								
330.0	0.46								
360.0	0.77								