

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2031A-48-UN(60-OL-48WN-AA, P1)

报告编号:

电压(V): 219.5000

测试编号: 20210421006

电流(A): 0.1990

光源规格型号: OL

功率(W): 42.0000

每个光源光通量(lm)

功率因数: 0.9620

光源数量: 48

镇流器型号:

发光面长度(mm): 300

发光面宽度(mm): 165

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4865.48

灯具效能(lm/w): 115.84

中心光强(cd): 4720.897

最大光强(cd): 4736.245

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.8

[C90/270]Total=53.9

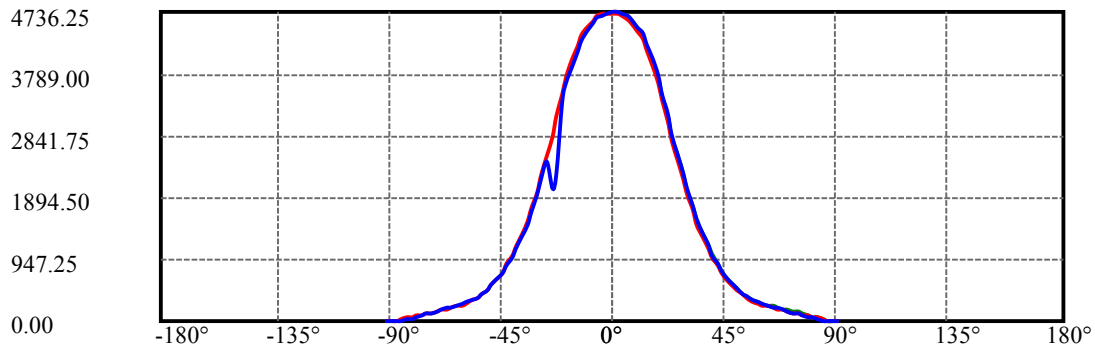
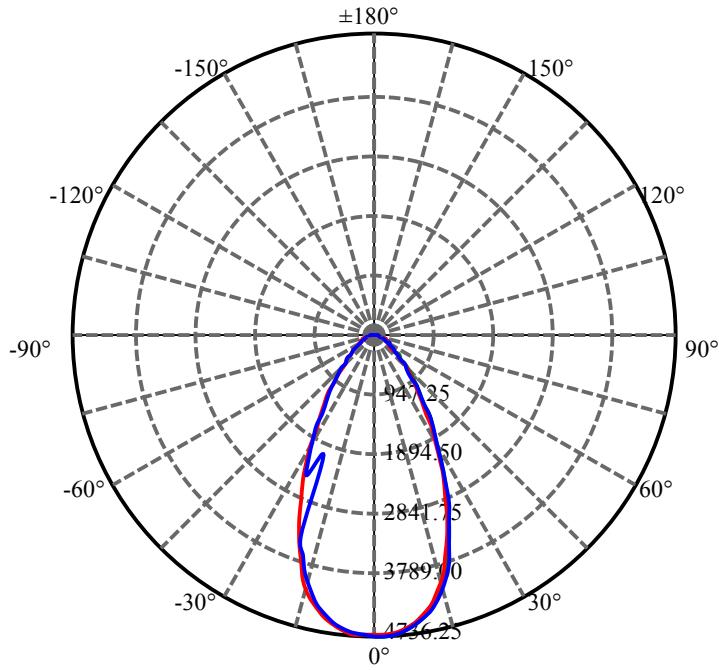
光束扩散角(10%Imax): [C0/180]Total=99.8

[C90/270]Total=100.6

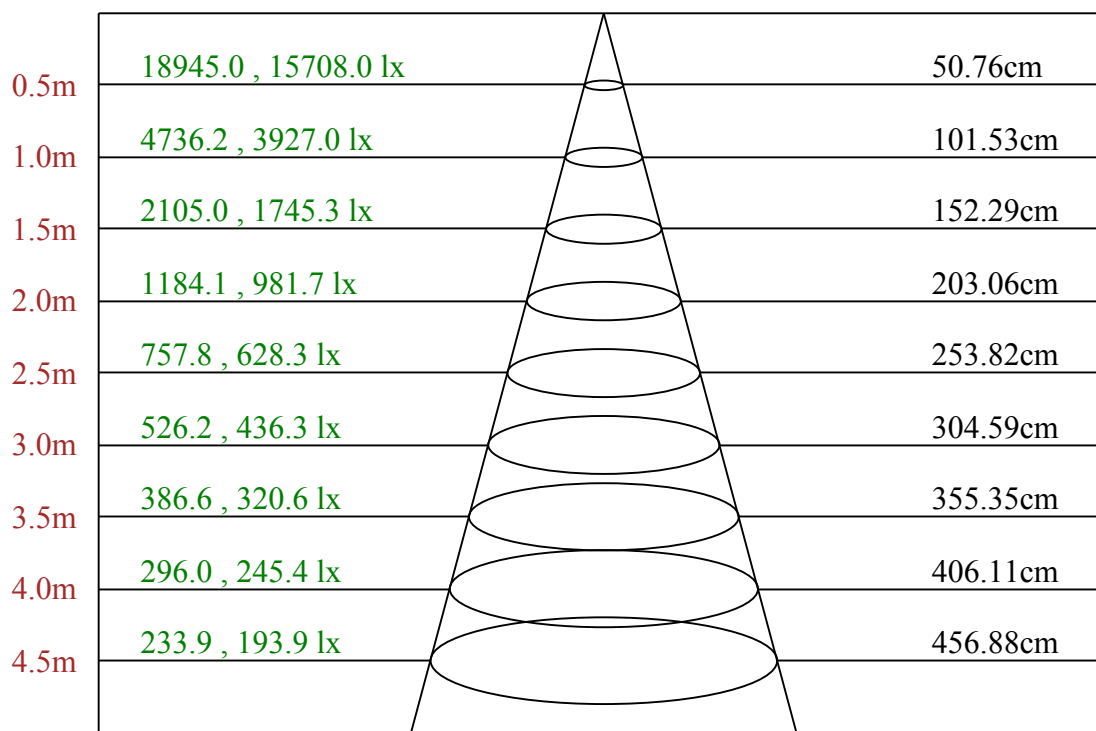
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/21
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

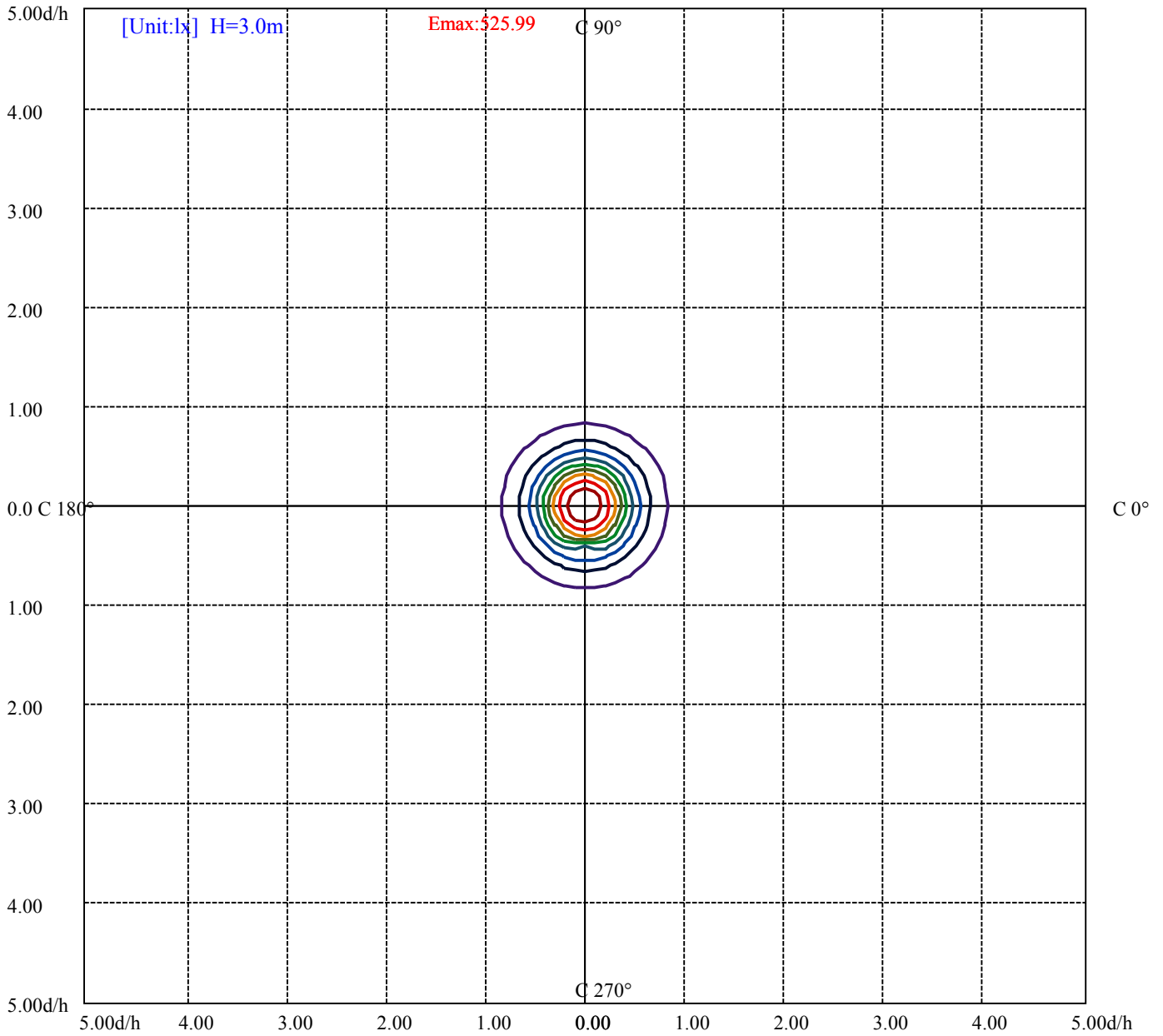


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角53.83

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平面等照度曲线



(10%Emax) 52.59933	——
(20%Emax) 105.1987	——
(30%Emax) 157.7978	——
(40%Emax) 210.3978	——
(50%Emax) 262.9967	——
(60%Emax) 315.5967	——
(70%Emax) 368.1956	——
(80%Emax) 420.7944	——
(90%Emax) 473.3944	——

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测试日期: 2021/4/21
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

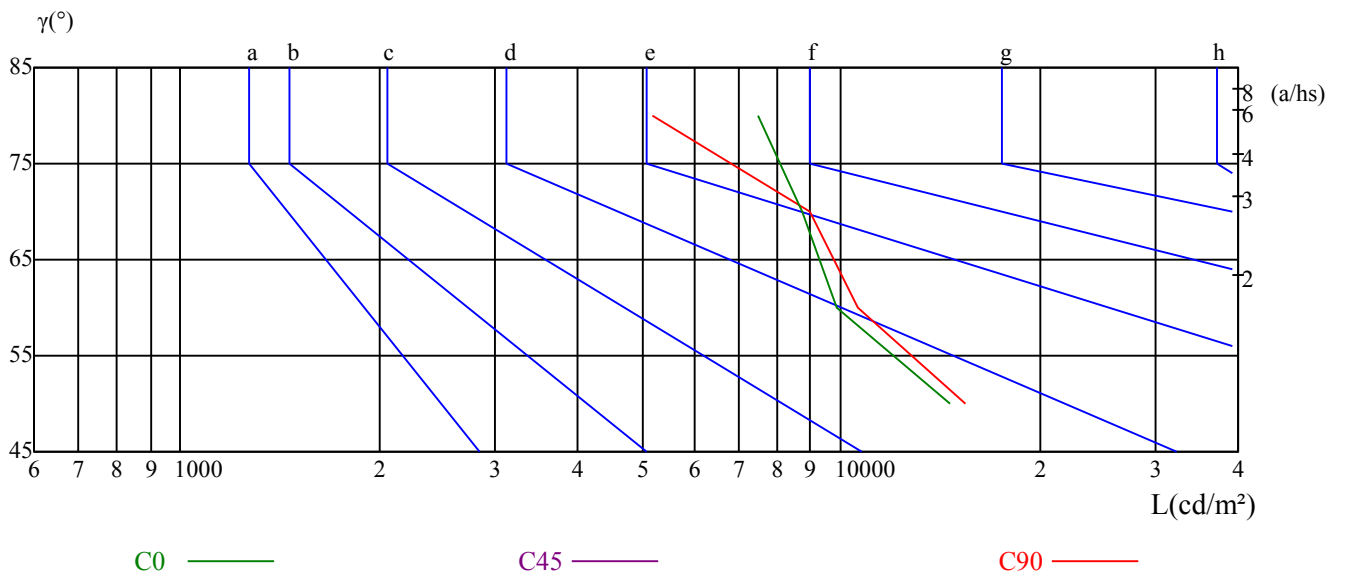
γ	45	50	55	60	65	70	75	80	85
C0	0	14615	0	9881	0	8734	0	7472	0
C45	0	0	0	0	0	0	0	0	0
C90	0	15411	0	10632	0	9006	0	5187	0

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

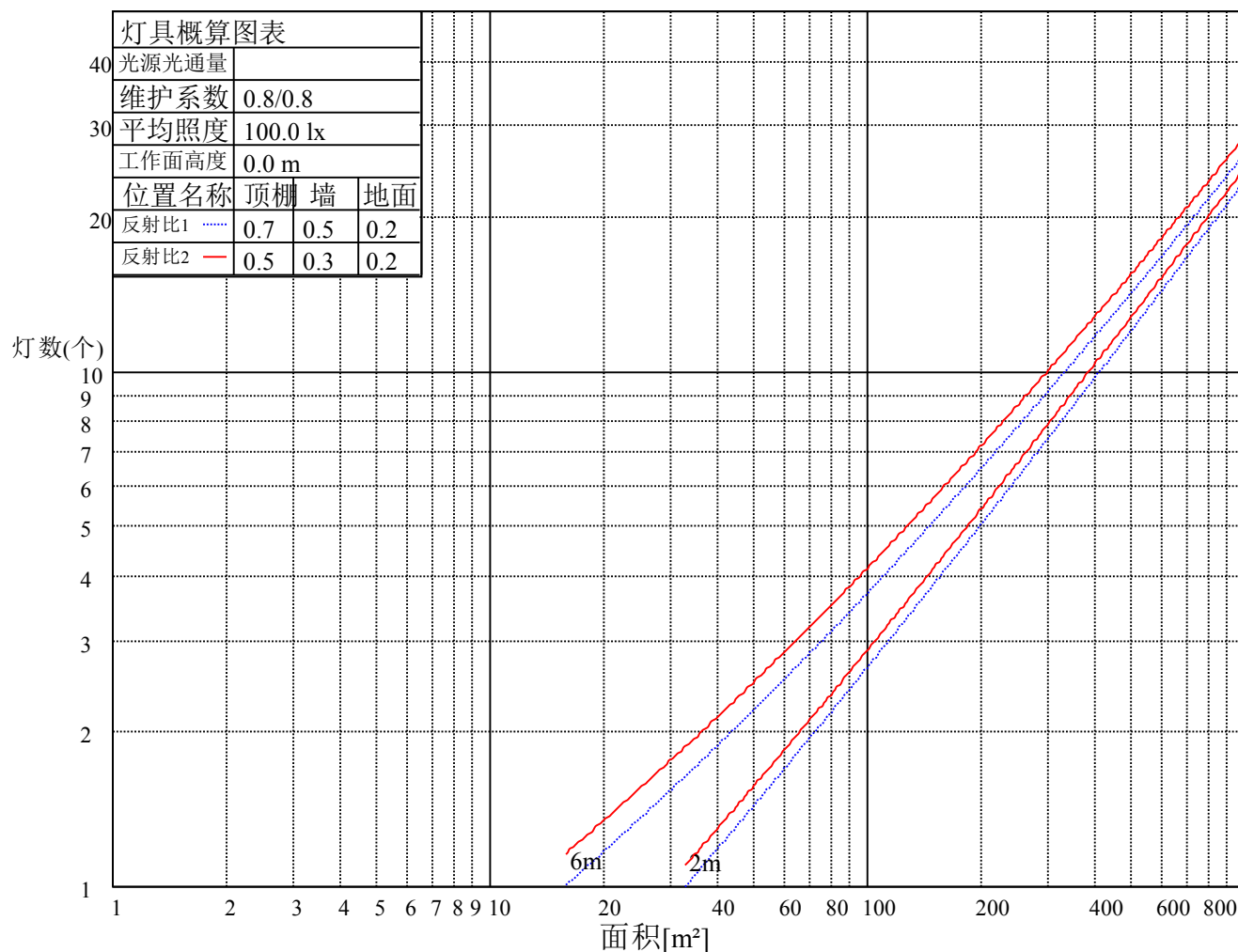
亮度限制曲线



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	12.38	13.61	12.75	13.93	14.24	12.12	13.35	12.49	13.66	13.98
	3H	13.87	14.96	14.25	15.29	15.66	13.64	14.73	14.02	15.06	15.43
	4H	14.37	15.39	14.77	15.74	16.13	14.25	15.27	14.66	15.62	16.01
	6H	14.61	15.54	15.02	15.91	16.31	14.68	15.62	15.10	15.99	16.38
	8H	14.62	15.51	15.05	15.90	16.30	14.79	15.67	15.22	16.06	16.47
	12H	14.61	15.45	15.04	15.83	16.26	14.87	15.71	15.30	16.10	16.53
4H	2H	12.86	13.88	13.27	14.23	14.62	12.65	13.67	13.06	14.02	14.41
	3H	14.63	15.46	15.04	15.87	16.27	14.46	15.29	14.87	15.70	16.10
	4H	15.25	16.00	15.69	16.42	16.86	15.22	15.96	15.65	16.38	16.83
	6H	15.52	16.17	15.99	16.61	17.08	15.66	16.31	16.13	16.75	17.22
	8H	15.55	16.15	16.02	16.60	17.07	15.80	16.40	16.27	16.85	17.32
	12H	15.53	16.06	16.02	16.54	17.02	15.88	16.40	16.37	16.89	17.36
8H	4H	15.50	16.10	15.97	16.55	17.02	15.47	16.07	15.95	16.52	16.99
	6H	15.86	16.35	16.36	16.84	17.33	16.04	16.53	16.55	17.03	17.51
	8H	15.92	16.35	16.44	16.87	17.36	16.23	16.66	16.76	17.18	17.67
	12H	16.46	16.84	16.98	17.34	17.91	16.79	17.17	17.31	17.67	18.24
12H	4H	15.50	16.03	15.99	16.51	16.99	15.46	15.99	15.95	16.47	16.95
	6H	16.39	16.32	16.41	16.79	17.33	16.56	16.49	16.58	16.96	17.50
	8H	15.97	16.35	16.48	16.84	17.42	16.27	16.65	16.79	17.15	17.72
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.0					0.7/-1.1					
S = 1.5H	1.5/-1.4					1.4/-1.4					
S = 2.0H	3.2/-1.6					2.8/-1.5					
标准表格	BK3					BK3					
更正系数	4.0					4.0					

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灯具的概算曲线



ROLED 投光灯

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	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.92	0.90
2	0.99	0.94	0.90	0.97	0.93	0.89	0.94	0.90	0.87	0.91	0.88	0.85	0.88	0.86	0.83	0.81
3	0.91	0.85	0.80	0.89	0.84	0.79	0.87	0.82	0.78	0.84	0.80	0.77	0.82	0.78	0.76	0.74
4	0.84	0.77	0.72	0.82	0.76	0.71	0.80	0.75	0.71	0.78	0.73	0.70	0.76	0.72	0.69	0.67
5	0.77	0.70	0.65	0.76	0.70	0.65	0.74	0.69	0.64	0.73	0.68	0.64	0.71	0.67	0.63	0.62
6	0.72	0.65	0.60	0.71	0.64	0.60	0.69	0.64	0.59	0.68	0.63	0.59	0.66	0.62	0.58	0.57
7	0.67	0.60	0.55	0.66	0.60	0.55	0.65	0.59	0.55	0.64	0.58	0.54	0.62	0.58	0.54	0.52
8	0.63	0.56	0.51	0.62	0.56	0.51	0.61	0.55	0.51	0.60	0.54	0.51	0.59	0.54	0.50	0.49
9	0.59	0.52	0.48	0.58	0.52	0.48	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.51	0.47	0.46
10	0.55	0.49	0.45	0.55	0.49	0.45	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.48	0.44	0.43

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	4720.90	4707.85	4680.99	4631.11	4558.98	4451.55	4312.65	4137.69	3922.06
30.0	4736.24	4730.87	4712.46	4674.09	4604.26	4498.36	4367.90	4195.24	3975.01
60.0	4731.64	4726.27	4707.85	4668.72	4594.28	4492.99	4354.86	4171.46	3943.55
90.0	4727.04	4724.73	4710.92	4675.62	4609.63	4514.47	4398.60	4233.61	4025.65
120.0	4723.97	4717.83	4705.55	4672.55	4605.02	4509.10	4381.72	4205.22	3988.05
150.0	4720.13	4718.60	4706.32	4680.99	4627.28	4524.45	4402.44	4238.99	4031.03
180.0	4720.90	4717.83	4702.48	4668.72	4602.72	4504.50	4384.79	4215.96	4008.00
210.0	4736.24	4727.04	4707.85	4666.41	4589.68	4473.80	4324.16	4131.55	3902.87
240.0	4731.64	4721.66	4700.18	4662.58	4589.68	4476.87	4332.60	4152.27	3914.38
270.0	4727.04	4710.92	4684.83	4638.02	4558.21	4449.25	4308.05	4121.58	3889.83
300.0	4723.97	4706.32	4684.06	4645.69	4572.03	4454.62	4318.79	4141.53	3910.55
330.0	4720.13	4701.71	4674.09	4631.11	4546.70	4440.04	4292.70	4105.46	3866.81
360.0	4720.90	4707.85	4680.99	4631.11	4558.98	4451.55	4312.65	4137.69	3922.06
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3658.08	3372.62	3072.57	2757.95	2461.74	2180.12	1936.09	1700.51	1481.04
30.0	3730.98	3451.66	3162.36	2833.92	2548.46	2266.83	2012.06	1766.50	1545.50
60.0	3697.98	3410.99	3097.13	2802.46	2503.18	2237.67	1975.99	1733.50	1525.24
90.0	3770.12	3482.35	3164.66	2856.94	2549.22	2269.13	2015.13	1760.36	1544.73
120.0	3730.98	3449.36	3114.01	2815.50	2512.39	2239.97	1978.30	1736.57	1525.62
150.0	3773.96	3490.79	3192.28	2870.75	2563.04	2276.04	2017.43	1768.03	1556.24
180.0	3740.96	3461.63	3137.03	2831.62	2521.60	2235.37	1982.90	1725.83	1525.47
210.0	3636.59	3341.92	3043.41	2733.39	2434.88	2156.33	1913.84	1674.41	1480.50
240.0	3662.69	3382.59	3069.50	2773.30	2481.69	2200.83	1944.53	1718.92	1500.99
270.0	3638.13	3341.16	2269.90	2038.92	2438.72	2173.21	1932.25	1688.23	1481.80
300.0	3664.22	3388.73	3081.01	2775.60	2500.88	2220.79	1962.95	1738.87	1519.40
330.0	3614.34	3327.34	3036.51	2736.46	2447.16	2172.44	1929.95	1691.30	1484.57
360.0	3658.08	3372.62	3072.57	2757.95	2461.74	2180.12	1936.09	1700.51	1481.04
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1301.47	1131.11	973.80	841.81	731.31	624.64	540.23	465.03	399.04
30.0	1355.95	1178.69	1021.38	884.02	767.38	660.71	568.63	492.66	425.89
60.0	1340.68	1163.42	1007.18	877.65	757.32	652.58	562.79	489.74	424.59
90.0	1345.98	1168.71	1012.17	874.04	759.70	654.57	567.86	490.35	424.36
120.0	1340.68	1163.27	1007.10	876.73	756.17	656.18	565.79	488.51	422.75
150.0	1355.95	1179.46	1021.38	888.62	767.38	660.71	572.46	491.89	425.13
180.0	1329.17	1160.43	1002.42	871.05	748.65	642.37	551.44	473.39	410.24
210.0	1292.57	1120.68	977.18	847.26	729.77	629.33	547.68	471.32	408.47
240.0	1320.65	1151.06	995.29	863.30	752.80	646.90	560.18	488.82	422.82
270.0	1302.47	1128.43	983.16	845.88	733.53	632.70	550.98	474.85	412.46
300.0	1329.10	1157.20	1007.56	872.51	760.47	653.80	565.56	489.59	425.89
330.0	1304.62	1131.50	985.85	854.09	734.84	632.70	549.59	472.78	408.93
360.0	1301.47	1131.11	973.80	841.81	731.31	624.64	540.23	465.03	399.04
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	348.08	307.64	271.80	244.56	222.54	201.44	183.94	164.91	147.87
30.0	388.29	329.13	293.67	265.21	243.10	223.15	204.97	188.31	171.36
60.0	374.17	331.28	297.05	269.27	247.71	227.37	206.65	188.85	168.36
90.0	379.77	327.98	292.06	263.13	239.19	216.48	196.76	174.65	152.48
120.0	369.72	329.20	294.83	268.66	245.48	225.30	204.51	186.70	166.67
150.0	387.52	327.36	291.22	263.52	239.57	219.70	202.05	184.71	167.59
180.0	355.83	314.01	277.33	247.94	224.30	203.66	184.78	166.44	149.41
210.0	359.75	317.46	284.70	258.38	237.43	218.32	201.51	184.17	166.75
240.0	388.29	331.35	298.59	271.73	249.09	229.75	209.19	189.85	169.21
270.0	363.97	321.07	287.54	260.91	236.97	214.33	193.84	173.27	150.18
300.0	389.06	332.12	298.89	272.03	250.39	229.22	210.26	191.08	171.97
330.0	359.52	316.62	283.32	257.15	235.51	216.40	198.75	182.33	165.29
360.0	348.08	307.64	271.80	244.56	222.54	201.44	183.94	164.91	147.87

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	130.84	116.10	99.61	80.11	64.23	44.35	24.86	6.75	1.23
30.0	153.17	133.98	116.03	95.00	69.83	47.50	24.25	6.75	1.53
60.0	145.49	122.78	102.83	78.27	53.03	30.31	8.21	2.15	1.61
90.0	129.99	110.58	89.55	65.69	44.58	22.71	2.84	2.15	1.69
120.0	145.42	123.16	101.68	77.35	51.57	28.93	7.75	2.07	1.61
150.0	149.41	131.37	113.34	92.39	68.45	45.66	23.94	6.68	1.46
180.0	131.68	116.41	100.30	81.34	65.00	46.73	27.78	9.59	1.23
210.0	149.41	129.84	110.50	87.56	62.92	40.59	19.95	3.68	1.46
240.0	148.33	125.62	105.21	81.88	55.63	31.46	9.59	2.46	1.76
270.0	129.53	106.97	86.94	64.15	42.44	20.95	2.92	2.30	1.84
300.0	150.33	127.31	106.59	82.19	56.71	32.77	10.67	2.46	1.84
330.0	148.18	128.23	110.96	89.40	65.23	42.44	21.33	4.37	1.46
360.0	130.84	116.10	99.61	80.11	64.23	44.35	24.86	6.75	1.23
C/γ(°)	90.0								
0.0	0.46								
30.0	0.54								
60.0	0.46								
90.0	0.38								
120.0	0.46								
150.0	0.46								
180.0	0.46								
210.0	0.54								
240.0	0.54								
270.0	0.46								
300.0	0.46								
330.0	0.46								
360.0	0.46								