

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(5030-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 219.0000

测试编号: 20210422001

电流(A): 0.4690

光源规格型号: XL

功率(W): 101.0000

每个光源光通量(lm)

功率因数: 0.9820

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 100

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4209.19

灯具效能(lm/w): 41.68

中心光强(cd): 7739.754

最大光强(cd): 7946.179

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=53.9

[C90/270]Total=29.4

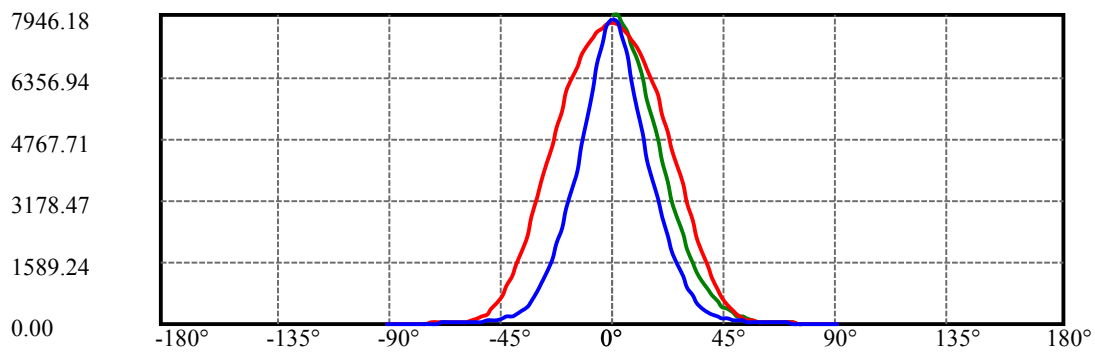
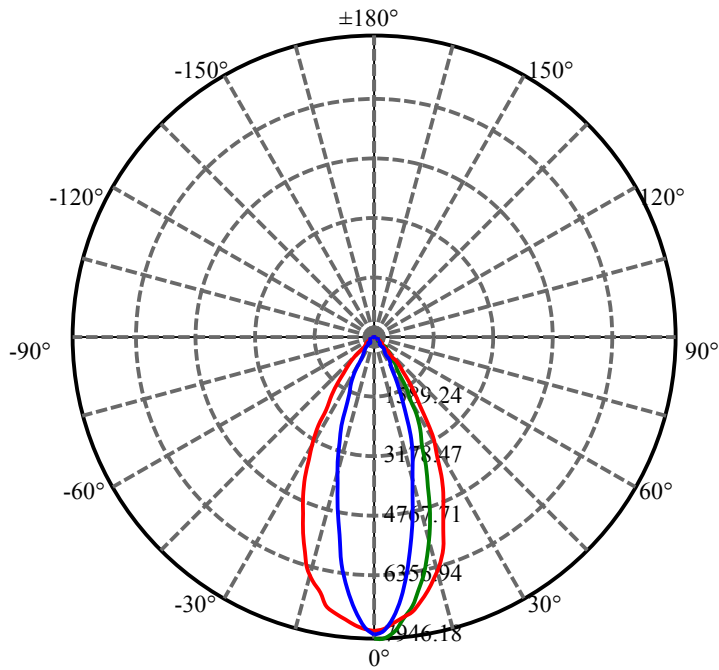
光束扩散角(10%Imax): [C0/180]Total=86.9

[C90/270]Total=61.8

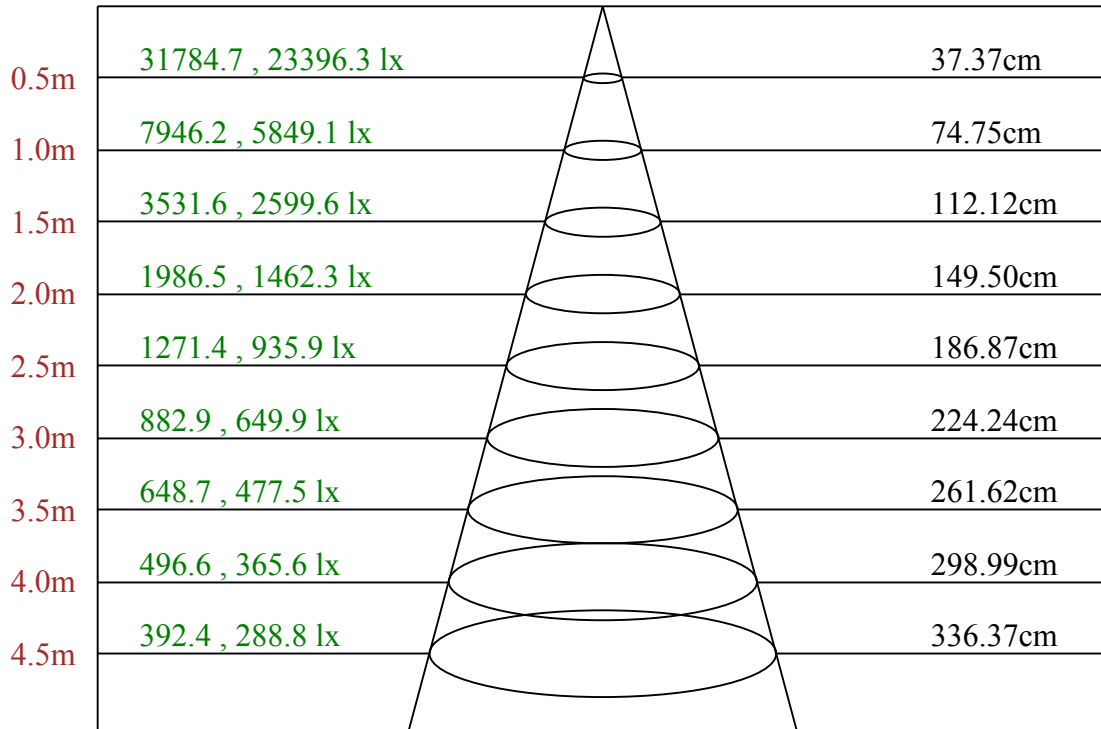
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/22
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

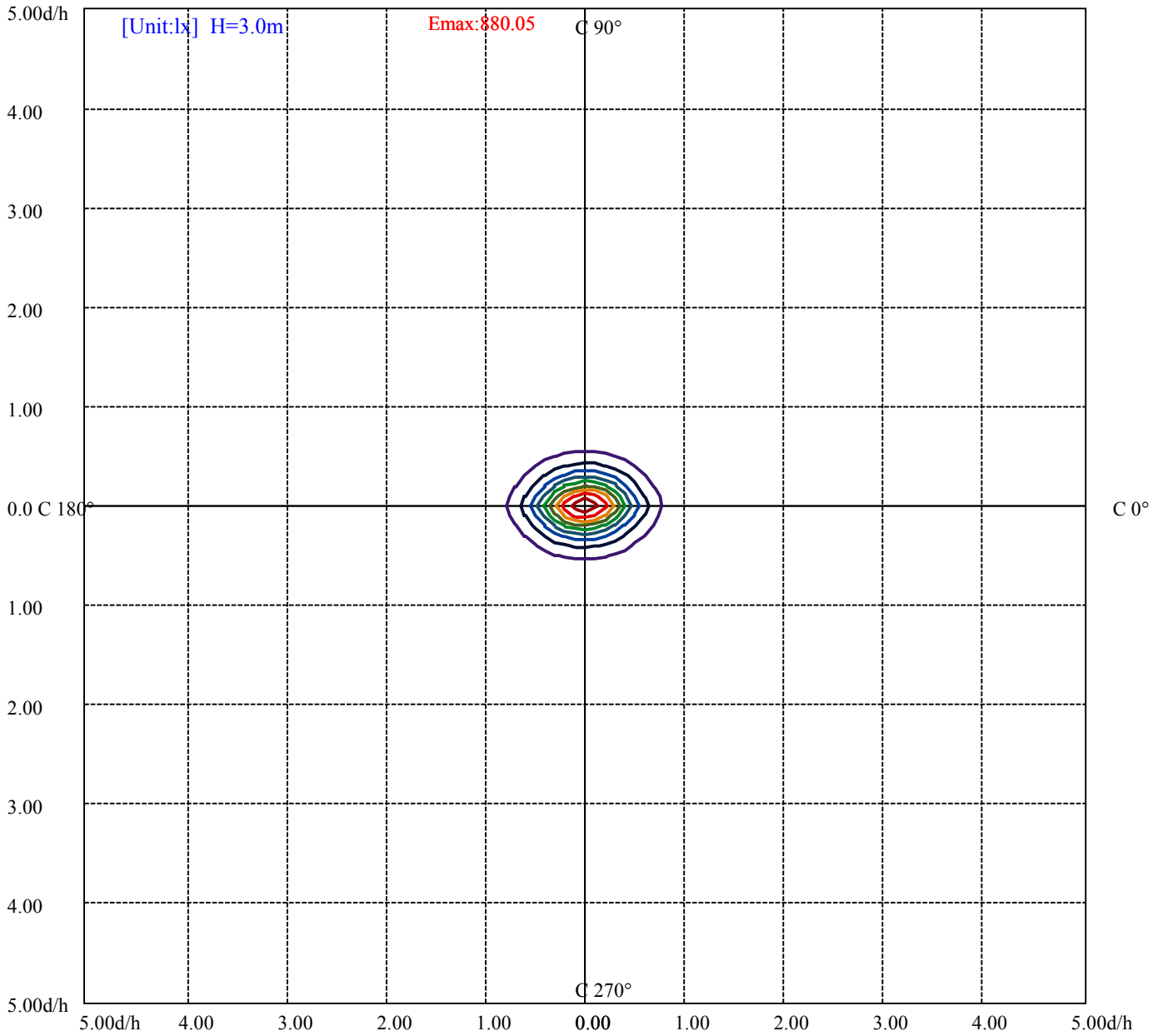











C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角40.98

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平面等照度曲线



(10%Emax) 88.00511	
(20%Emax) 176.01	
(30%Emax) 264.0155	
(40%Emax) 352.0211	
(50%Emax) 440.0255	
(60%Emax) 528.0311	
(70%Emax) 616.0355	
(80%Emax) 704.0411	
(90%Emax) 792.0466	

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

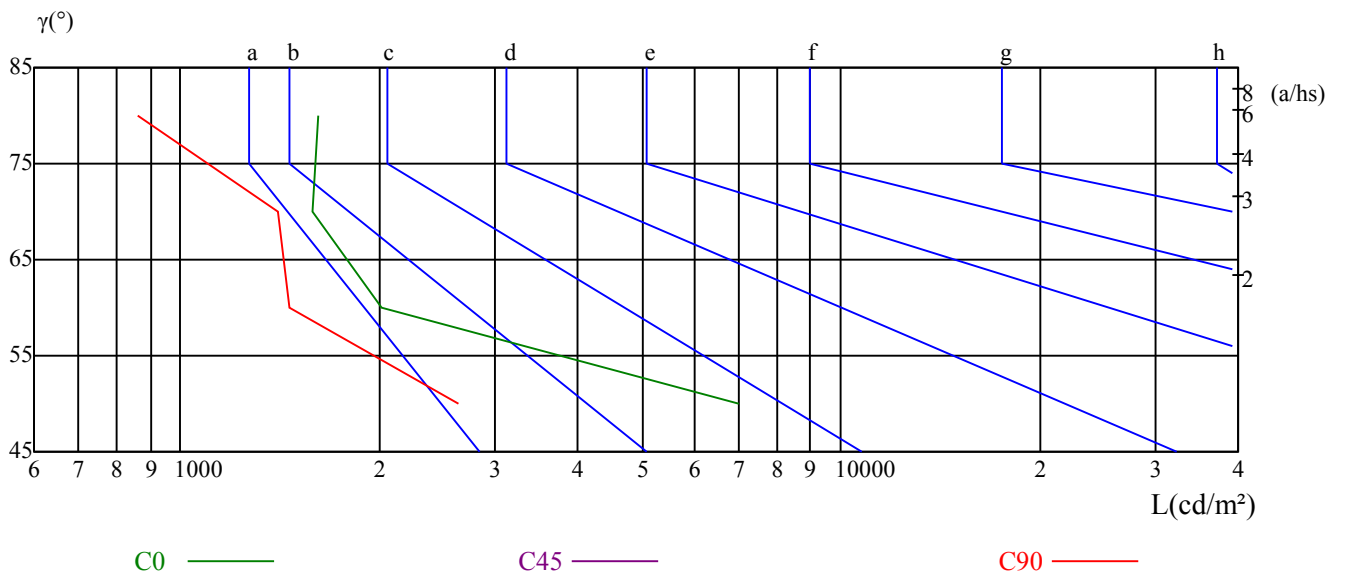
γ	45	50	55	60	65	70	75	80	85
C0	0	7011	0	2023	0	1587	0	1615	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2644	0	1465	0	1407	0	860	0

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

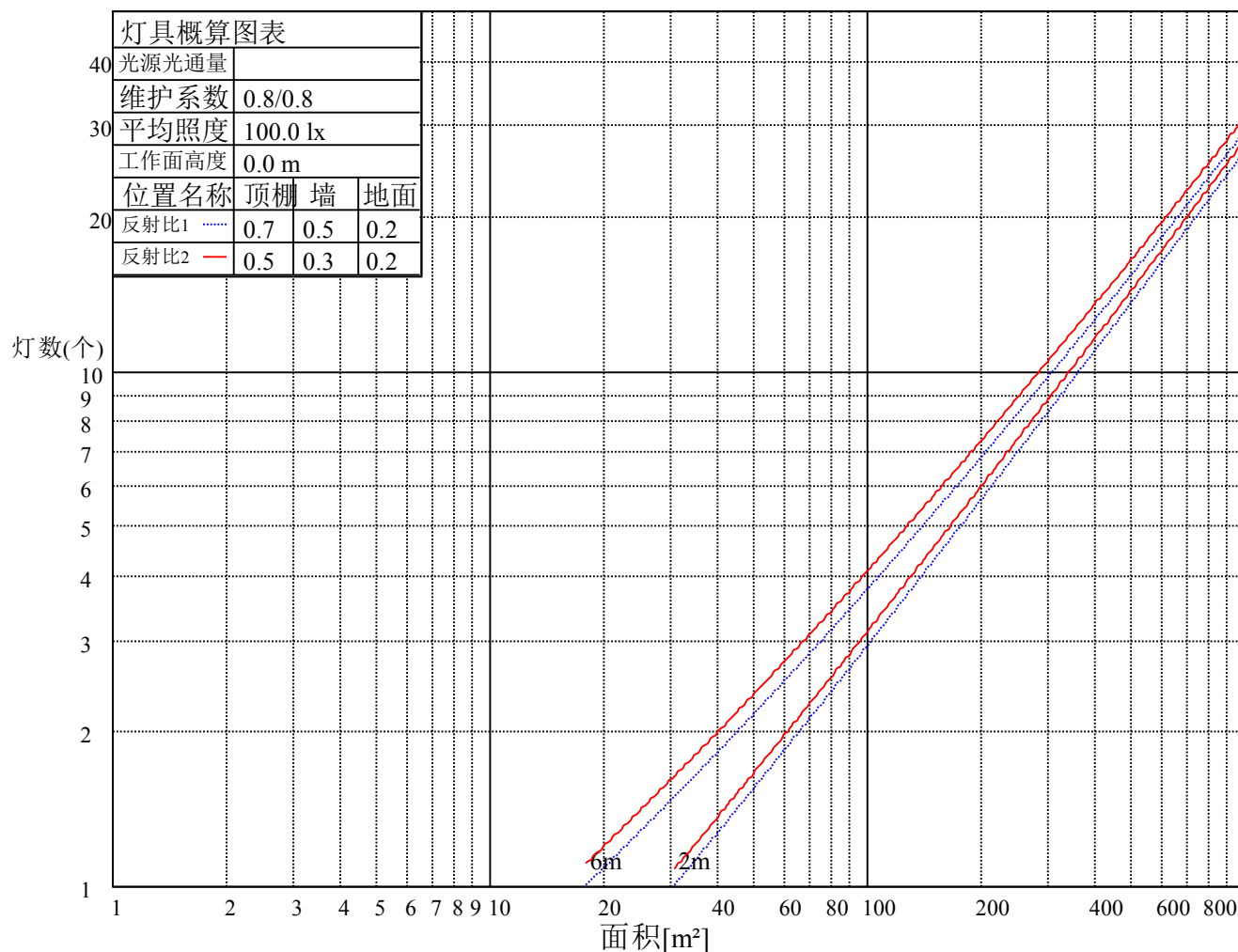
亮度限制曲线



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	2.52	3.52	2.88	3.84	4.15	3.91	4.92	4.28	5.23	5.55
	3H	3.19	4.08	3.57	4.41	4.78	4.67	5.56	5.06	5.89	6.26
	4H	3.38	4.20	3.79	4.55	4.94	5.05	5.87	5.46	6.22	6.61
	6H	3.46	4.21	3.88	4.58	4.98	5.39	6.14	5.81	6.52	6.92
	8H	3.46	4.16	3.89	4.55	4.96	5.52	6.22	5.95	6.61	7.02
	12H	3.44	4.11	3.87	4.49	4.92	5.67	6.34	6.10	6.72	7.15
4H	2H	2.66	3.48	3.07	3.84	4.22	3.92	4.74	4.32	5.09	5.48
	3H	3.44	4.11	3.85	4.51	4.92	4.91	5.58	5.33	5.98	6.39
	4H	3.68	4.28	4.12	4.70	5.15	5.41	6.01	5.85	6.43	6.88
	6H	3.80	4.31	4.27	4.76	5.23	5.80	6.31	6.27	6.76	7.24
	8H	3.81	4.28	4.28	4.73	5.20	5.98	6.45	6.45	6.90	7.37
	12H	3.79	4.20	4.28	4.69	5.17	6.15	6.56	6.65	7.05	7.53
8H	4H	3.79	4.26	4.27	4.72	5.19	5.40	5.87	5.88	6.32	6.80
	6H	3.96	4.34	4.47	4.84	5.33	5.89	6.26	6.40	6.77	7.25
	8H	4.00	4.33	4.53	4.85	5.35	6.12	6.45	6.65	6.98	7.47
	12H	4.50	4.79	5.02	5.29	5.87	6.71	7.00	7.23	7.50	8.08
12H	4H	3.79	4.19	4.28	4.68	5.16	5.35	5.76	5.84	6.25	6.73
	6H	4.25	4.31	4.51	4.78	5.33	6.12	6.18	6.39	6.66	7.21
	8H	4.04	4.33	4.56	4.83	5.41	6.12	6.40	6.64	6.90	7.48
对应照射距离，改变观察者位置S											
S = 1.0H	2.9/-3.1					4.2/-6.3					
S = 1.5H	4.7/-4.7					6.8/-7.3					
S = 2.0H	6.7/-4.8					8.8/-7.1					
标准表格	BK1					BK0					
更正系数	-6.2					-1.4					

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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	1.07	1.05	1.05	1.03	1.01	1.01	1.00	0.98	0.98	0.97	0.96	0.94
2	1.03	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	0.92	0.88	0.95	0.91	0.88	0.93	0.89	0.86	0.90	0.87	0.85	0.88	0.86	0.83	0.82
4	0.91	0.86	0.82	0.90	0.85	0.81	0.88	0.83	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.77
5	0.86	0.80	0.76	0.85	0.79	0.76	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.70	0.77	0.73	0.70	0.76	0.72	0.69	0.68
7	0.77	0.71	0.67	0.76	0.70	0.67	0.75	0.70	0.66	0.73	0.69	0.66	0.72	0.69	0.66	0.64
8	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.63	0.70	0.66	0.62	0.69	0.65	0.62	0.61
9	0.69	0.63	0.60	0.69	0.63	0.60	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.58
10	0.66	0.60	0.57	0.65	0.60	0.57	0.65	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.56	0.55

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	7739.75	7699.85	7584.74	7444.31	7310.02	7108.97	6821.97	6577.18	6241.84
30.0	7946.18	7926.23	7759.71	7495.73	7178.04	6795.11	6339.29	5790.62	5289.52
60.0	7894.76	7818.79	7490.36	6997.70	6441.35	5866.59	5211.25	4529.05	3897.50
90.0	7846.42	7769.68	7418.99	6899.48	6275.60	5550.43	4907.37	4265.08	3693.38
120.0	7812.66	7682.20	7328.44	6886.43	6307.06	5634.84	4968.76	4379.41	3804.65
150.0	7774.29	7693.71	7531.80	7308.49	6924.80	6513.49	6096.03	5537.39	5006.36
180.0	7739.75	7695.25	7610.07	7494.19	7349.93	7172.66	6888.73	6624.76	6336.99
210.0	7946.18	7876.35	7663.78	7362.97	7069.07	6663.89	6155.12	5634.84	5057.01
240.0	7894.76	7795.77	7446.62	6951.66	6397.61	5756.85	5108.42	4473.80	3839.18
270.0	7846.42	7652.27	7221.78	6679.24	6020.06	5287.99	4608.09	3972.71	3440.91
300.0	7812.66	7691.41	7348.39	6910.99	6316.27	5627.17	4892.02	4308.82	3709.50
330.0	7774.29	7684.50	7484.22	7200.29	6834.25	6420.63	5914.17	5373.93	4822.19
360.0	7739.75	7699.85	7584.74	7444.31	7310.02	7108.97	6821.97	6577.18	6241.84
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	5857.38	5397.72	4929.62	4497.59	4043.30	3588.25	3108.64	2655.89	2209.28
30.0	4735.48	4197.55	3658.08	3150.08	2724.18	2321.31	1937.62	1592.31	1311.45
60.0	3357.27	2848.50	2447.16	2084.96	1754.22	1492.01	1231.49	975.49	763.08
90.0	3213.00	2741.83	2282.94	1873.16	1536.29	1209.38	954.62	732.08	530.26
120.0	3280.53	2798.62	2381.17	2045.82	1728.90	1456.40	1194.88	946.40	729.39
150.0	4449.25	3926.66	3416.36	2985.86	2557.66	2177.81	1869.33	1543.96	1276.15
180.0	5953.30	5495.18	5031.68	4601.95	4134.62	3665.76	3236.02	2747.21	2291.38
210.0	4532.89	3943.55	3434.77	2967.44	2566.11	2165.54	1803.33	1501.06	1223.81
240.0	3222.98	2774.06	2361.98	1999.01	1697.44	1408.90	1155.67	912.41	701.38
270.0	2949.03	2484.00	2057.34	1675.95	1334.47	1026.21	818.18	611.75	448.38
300.0	3189.21	2719.58	2301.36	1962.18	1652.16	1362.09	1102.72	878.65	668.38
330.0	4268.91	3719.47	3246.77	2802.46	2393.45	2038.15	1722.76	1423.18	1161.65
360.0	5857.38	5397.72	4929.62	4497.59	4043.30	3588.25	3108.64	2655.89	2209.28
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1835.56	1489.48	1170.25	911.64	672.99	482.68	356.22	247.86	168.82
30.0	1075.09	885.55	715.96	575.53	456.59	390.59	279.02	220.01	183.17
60.0	597.56	451.60	347.01	267.58	208.11	164.53	133.37	111.19	94.54
90.0	392.90	305.42	241.65	197.22	163.68	134.90	113.03	93.47	77.81
120.0	566.17	427.58	323.07	251.85	196.83	157.39	128.92	108.28	93.31
150.0	1052.07	871.74	712.12	575.53	465.03	389.06	284.62	231.98	190.31
180.0	1893.88	1529.00	1240.62	977.10	733.53	527.34	370.49	267.35	181.33
210.0	1006.11	819.10	667.85	538.62	432.49	336.03	260.83	209.26	173.66
240.0	538.70	415.15	316.47	248.63	196.29	155.55	127.15	107.28	91.32
270.0	341.87	266.20	217.17	178.95	148.03	122.78	103.29	85.72	72.29
300.0	509.54	392.13	298.66	231.82	185.24	148.49	121.94	103.14	89.48
330.0	966.13	790.01	645.13	518.29	408.63	320.38	249.32	206.58	163.53
360.0	1835.56	1489.48	1170.25	911.64	672.99	482.68	356.22	247.86	168.82
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	115.64	85.87	67.68	55.63	47.58	41.13	36.60	32.92	29.85
30.0	140.43	98.45	69.91	55.86	46.66	40.29	35.76	32.61	30.08
60.0	87.25	85.95	84.18	69.14	47.65	34.46	28.01	23.40	19.34
90.0	65.69	55.94	48.19	40.29	35.22	31.85	30.00	29.31	26.47
120.0	88.94	93.62	80.27	62.46	49.19	34.99	28.09	23.40	19.49
150.0	136.13	95.85	69.75	55.17	46.35	39.60	34.61	31.23	28.62
180.0	124.78	90.70	70.21	57.40	48.65	42.36	37.60	33.84	30.77
210.0	131.76	86.87	64.77	53.26	44.66	38.83	34.99	32.15	29.62
240.0	83.80	82.03	80.27	67.45	46.43	33.61	27.40	22.56	18.88
270.0	61.16	52.10	44.35	37.29	32.77	30.00	28.62	27.17	23.79
300.0	87.17	93.47	78.81	60.85	45.89	33.07	26.70	21.95	18.11
330.0	113.03	80.65	61.70	50.49	42.13	36.37	32.54	29.62	27.09
360.0	115.64	85.87	67.68	55.63	47.58	41.13	36.60	32.92	29.85

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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	26.93	24.17	21.41	18.57	15.42	12.05	8.44	4.53	1.07
30.0	26.70	22.79	19.11	15.50	12.20	9.29	5.99	1.92	0.69
60.0	16.35	13.51	10.74	8.36	6.98	4.14	1.53	1.23	0.69
90.0	21.41	16.35	12.43	10.21	8.21	3.84	2.07	1.69	0.92
120.0	16.50	13.66	10.82	8.36	6.91	4.30	1.61	1.23	0.77
150.0	25.63	21.87	18.26	14.35	11.43	8.67	5.68	2.30	0.77
180.0	27.63	24.63	21.72	18.95	15.96	12.66	9.06	5.37	2.00
210.0	26.47	22.48	18.88	15.19	11.66	8.75	5.99	1.23	0.46
240.0	15.88	12.82	10.13	8.06	6.75	3.61	1.46	1.07	0.69
270.0	18.65	13.51	10.44	8.59	5.29	2.38	1.84	1.07	0.69
300.0	15.27	12.28	9.59	7.60	6.29	3.38	1.30	1.00	0.61
330.0	23.94	20.03	16.42	13.05	9.90	6.83	4.68	0.92	0.46
360.0	26.93	24.17	21.41	18.57	15.42	12.05	8.44	4.53	1.07

C/γ(°)	90.0
0.0	0.08
30.0	0.08
60.0	0.23
90.0	0.23
120.0	0.23
150.0	0.23
180.0	0.15
210.0	0.08
240.0	0.00
270.0	0.08
300.0	0.00
330.0	0.00
360.0	0.08