

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1122A-3-24DC-RC-Y (15-XL-3RGBWN-AJ, CT)

报告编号:

电压(V): 23.9000

测试编号: 20210413003

电流(A): 0.5750

光源规格型号: XL

功率(W): 13.7000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 3

镇流器型号:

发光面长度(mm): 83

发光面宽度(mm): 83

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 671.32

灯具效能(lm/w): 49.00

中心光强(cd): 5771.435

最大光强(cd): 5829.756

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=15.5

[C90/270]Total=15.7

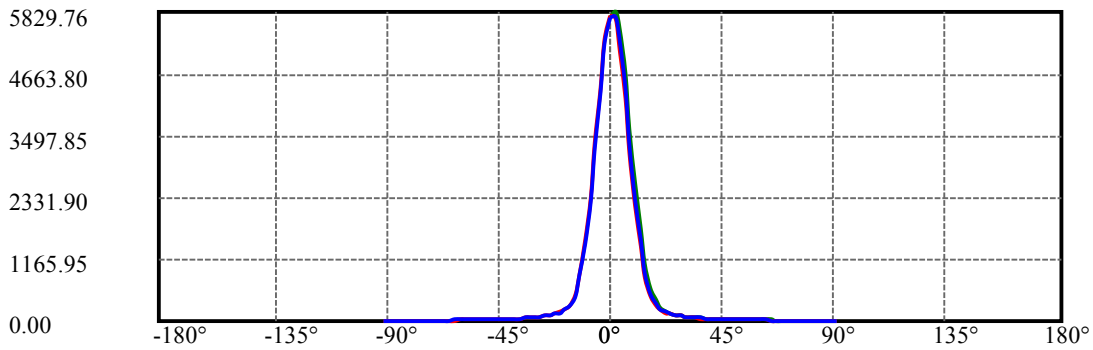
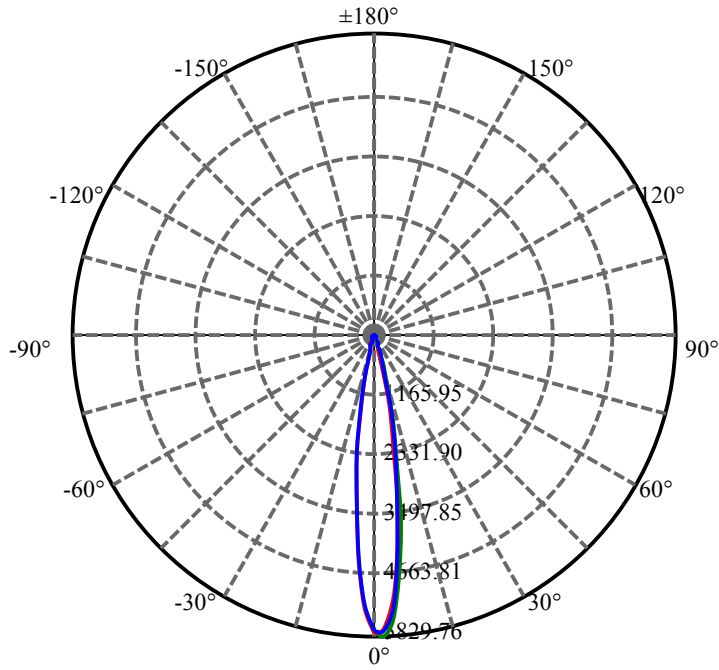
光束扩散角(10%Imax): [C0/180]Total=28.9

[C90/270]Total=29.2

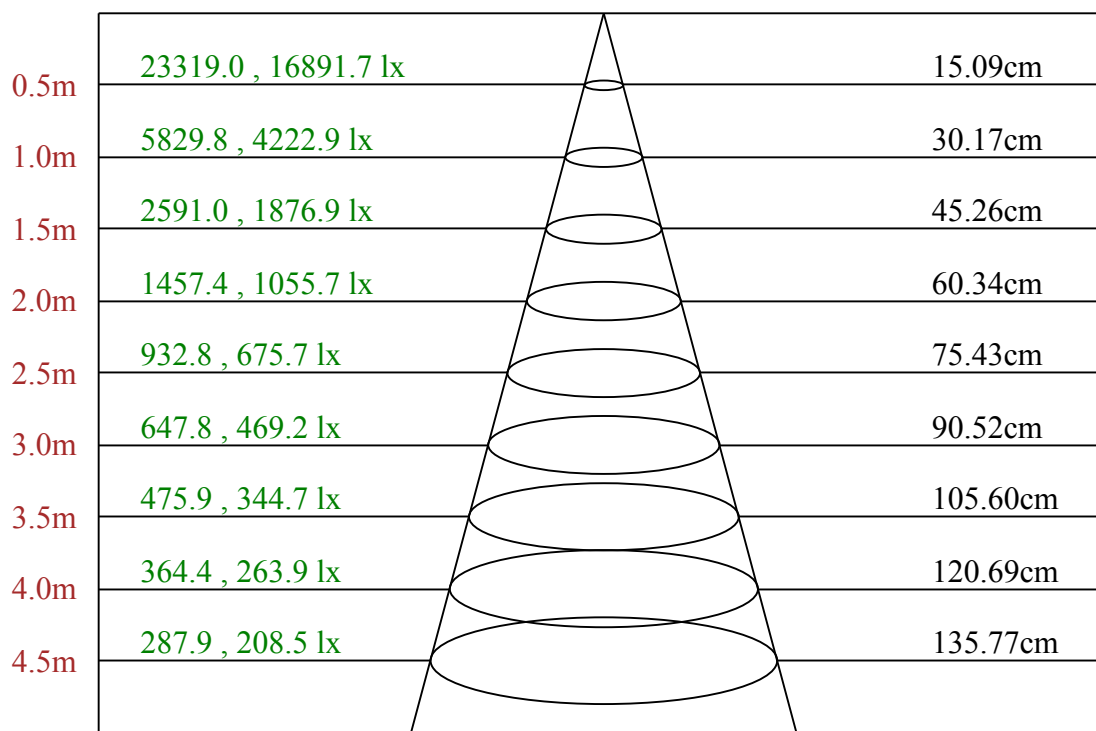
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/13
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

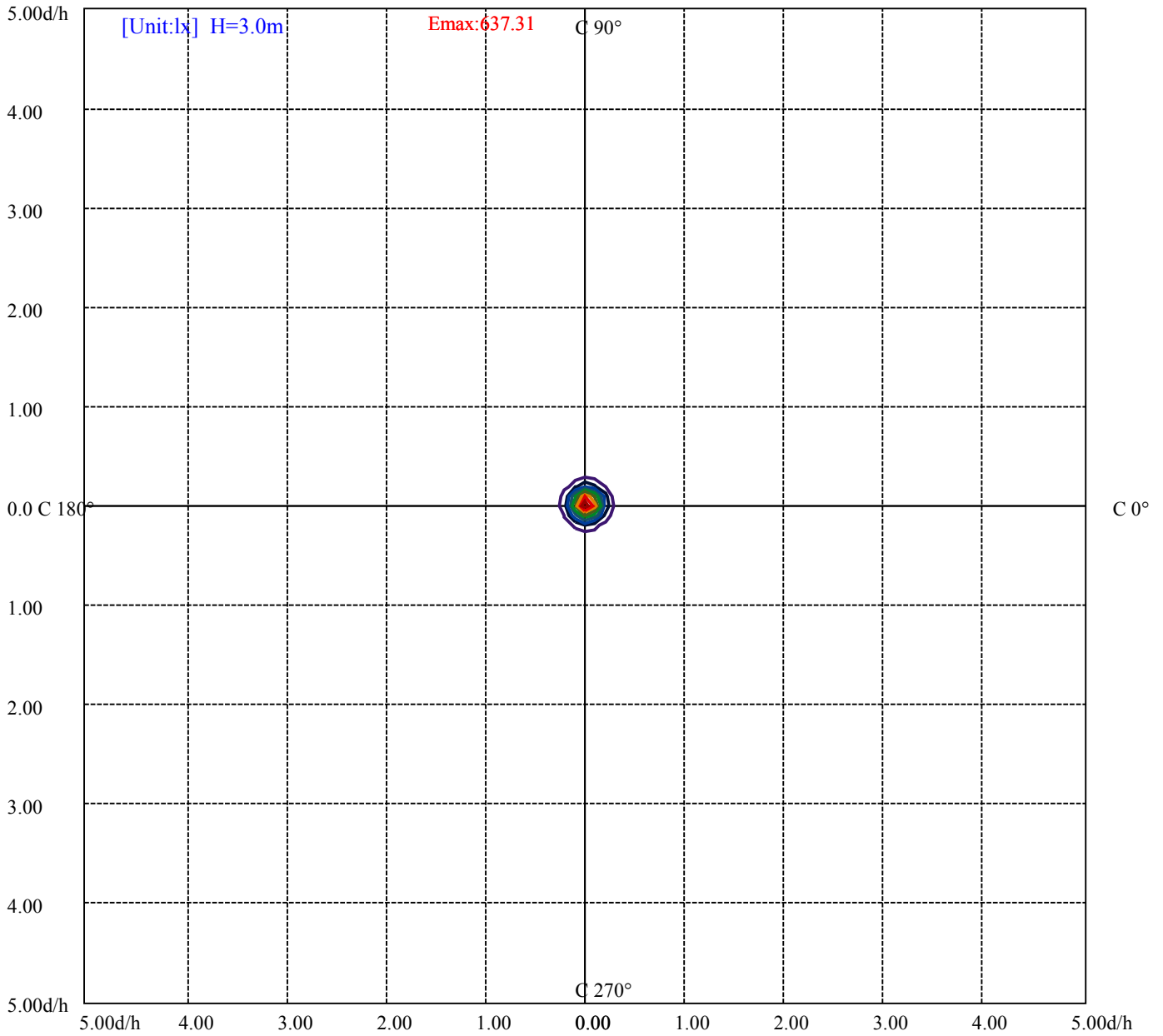


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角17.14

ROLED 投光灯
平面等照度曲线



(10%Emax) 63.73067	——
(20%Emax) 127.4611	——
(30%Emax) 191.1922	——
(40%Emax) 254.9233	——
(50%Emax) 318.6533	——
(60%Emax) 382.3844	——
(70%Emax) 446.1144	——
(80%Emax) 509.8456	——
(90%Emax) 573.5767	——

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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

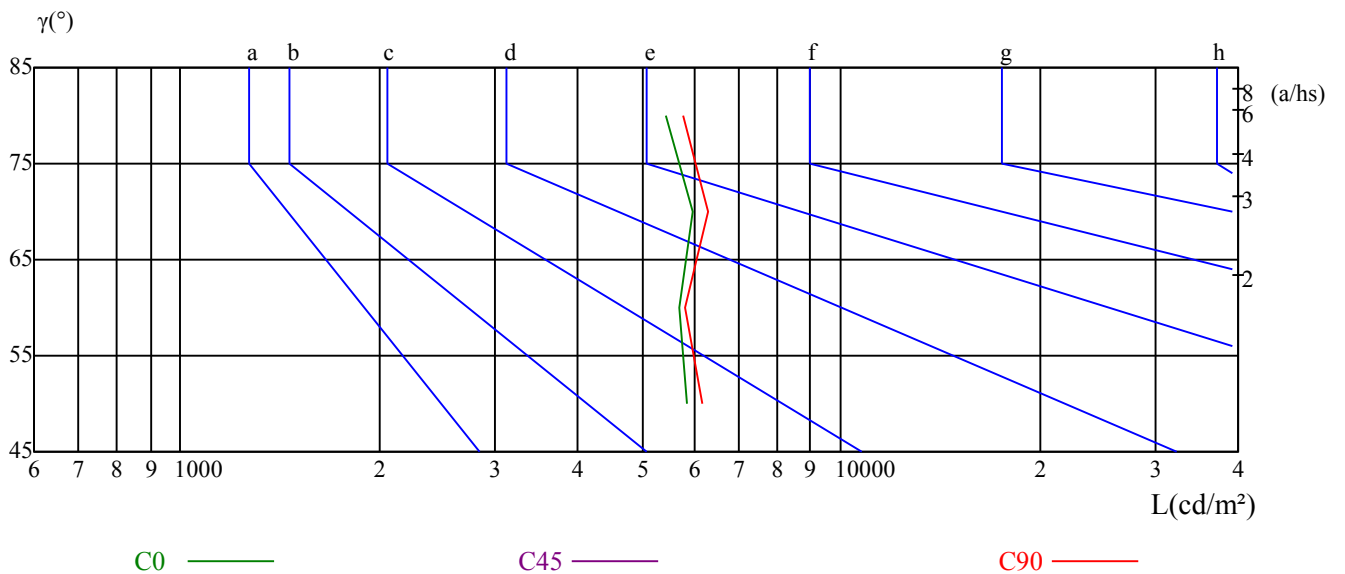
γ	45	50	55	60	65	70	75	80	85
C0	0	5857	0	5681	0	5960	0	5453	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6187	0	5792	0	6286	0	5773	0

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

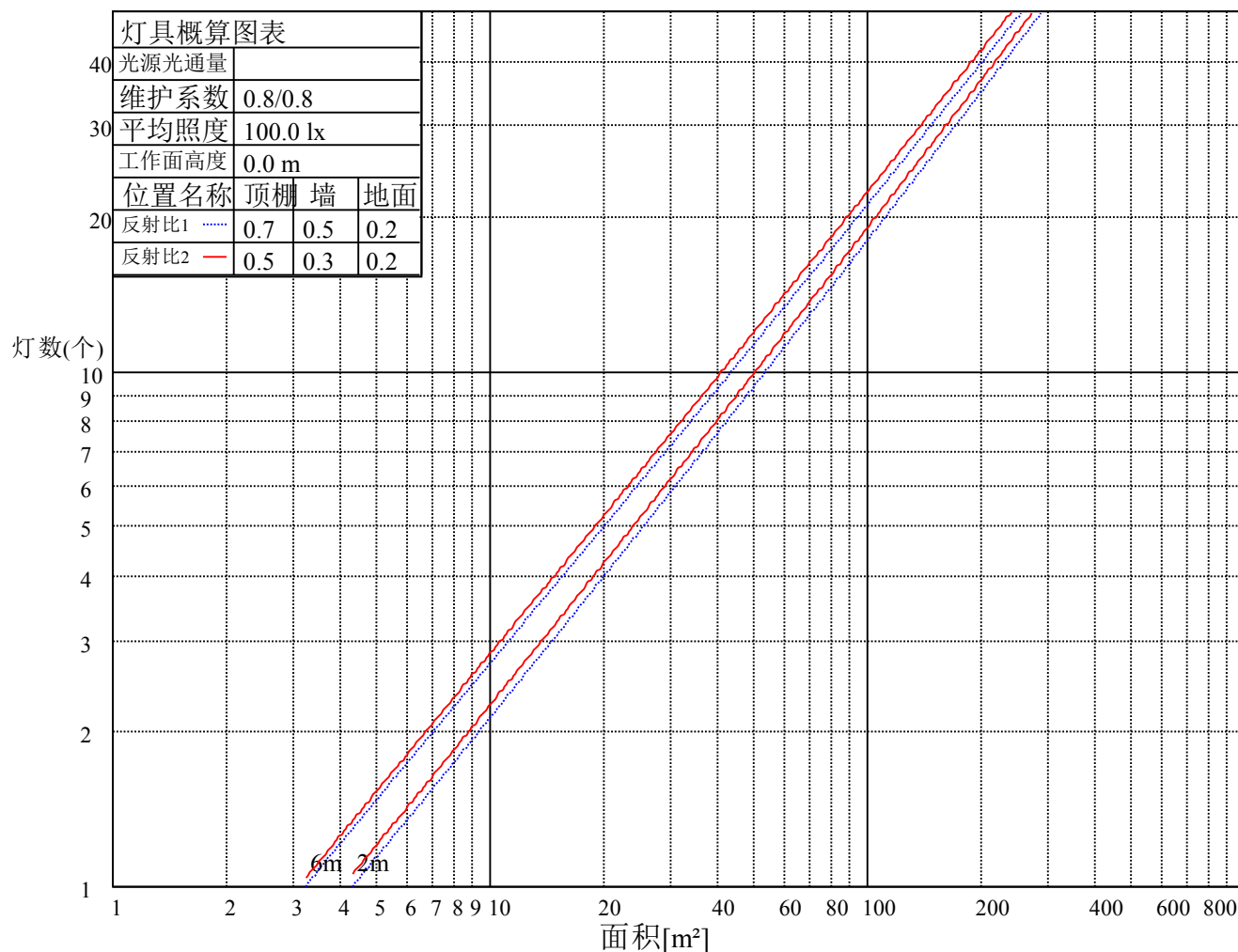
眩光等级表

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	14.53	15.57	14.90	15.88	16.20	14.45	15.49	14.82	15.80	16.12
	3H	16.74	17.66	17.12	18.00	18.36	16.63	17.55	17.01	17.88	18.25
	4H	17.61	18.47	18.02	18.82	19.21	17.44	18.30	17.85	18.65	19.04
	6H	18.22	19.00	18.64	19.38	19.77	18.02	18.80	18.44	19.18	19.57
	8H	18.40	19.13	18.83	19.53	19.94	18.19	18.93	18.63	19.32	19.73
	12H	18.58	19.29	19.02	19.67	20.10	18.38	19.08	18.81	19.46	19.90
4H	2H	15.19	16.04	15.60	16.40	16.79	15.13	15.98	15.54	16.34	16.73
	3H	17.63	18.34	18.05	18.75	19.15	17.54	18.24	17.96	18.65	19.06
	4H	18.63	19.26	19.07	19.68	20.13	18.50	19.13	18.94	19.55	20.00
	6H	19.24	19.78	19.71	20.23	20.70	19.07	19.61	19.54	20.06	20.53
	8H	19.46	19.96	19.94	20.41	20.89	19.29	19.79	19.76	20.24	20.72
	12H	19.65	20.08	20.14	20.57	21.05	19.48	19.91	19.97	20.40	20.88
8H	4H	18.97	19.47	19.44	19.92	20.39	18.85	19.36	19.33	19.81	20.28
	6H	19.74	20.14	20.25	20.64	21.13	19.59	19.99	20.10	20.49	20.98
	8H	20.05	20.40	20.58	20.92	21.42	19.89	20.25	20.42	20.77	21.27
	12H	20.67	20.97	21.19	21.47	22.05	20.52	20.83	21.05	21.33	21.91
12H	4H	18.98	19.41	19.47	19.90	20.38	18.87	19.31	19.36	19.80	20.27
	6H	20.12	20.15	20.33	20.62	21.17	19.98	20.01	20.19	20.48	21.03
	8H	20.16	20.46	20.68	20.96	21.54	20.01	20.32	20.54	20.82	21.40
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.7					0.3/-0.7					
S = 1.5H	0.7/-0.6					0.8/-0.7					
S = 2.0H	0.7/-0.6					0.7/-0.7					
标准表格	BKBF					BKBF					
更正系数	3.3					3.1					



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	1.12	1.10	1.08	1.10	1.08	1.06	1.06	1.04	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.95
2	1.06	1.02	1.00	1.04	1.01	0.98	1.01	0.98	0.96	0.98	0.96	0.94	0.95	0.94	0.92	0.91
3	1.01	0.97	0.94	0.99	0.96	0.93	0.97	0.94	0.91	0.95	0.92	0.90	0.92	0.90	0.89	0.87
4	0.97	0.92	0.89	0.96	0.92	0.88	0.94	0.90	0.87	0.92	0.89	0.86	0.90	0.87	0.85	0.84
5	0.93	0.89	0.85	0.92	0.88	0.85	0.91	0.87	0.84	0.89	0.86	0.84	0.88	0.85	0.83	0.82
6	0.90	0.86	0.82	0.89	0.85	0.82	0.88	0.84	0.82	0.87	0.83	0.81	0.85	0.83	0.81	0.79
7	0.87	0.83	0.80	0.87	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.79	0.84	0.81	0.79	0.77
8	0.85	0.81	0.78	0.84	0.80	0.78	0.84	0.80	0.77	0.83	0.79	0.77	0.82	0.79	0.77	0.76
9	0.83	0.79	0.76	0.82	0.78	0.76	0.82	0.78	0.76	0.81	0.78	0.75	0.80	0.77	0.75	0.74
10	0.81	0.77	0.74	0.81	0.77	0.74	0.80	0.76	0.74	0.79	0.76	0.74	0.79	0.76	0.74	0.73

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	5771.43	5693.93	5103.05	4202.92	3170.03	2178.58	1403.53	815.72	460.43
30.0	5709.28	5829.76	5492.88	4666.41	3633.53	2589.89	1749.62	1070.49	630.78
60.0	5762.23	5791.39	5347.84	4471.50	3394.87	2427.98	1509.43	995.59	563.87
90.0	5732.30	5730.76	5282.62	4397.83	3323.51	2299.06	1520.94	905.50	521.05
120.0	5769.90	5560.41	4867.47	3907.48	2850.80	1924.58	1176.62	682.66	376.70
150.0	5774.50	5490.58	4735.48	3738.66	2723.42	1774.94	1064.35	588.58	391.36
180.0	5771.43	5282.62	4396.30	3351.13	2341.26	1523.09	879.87	506.31	303.04
210.0	5709.28	5040.13	4067.86	3002.74	2015.90	1279.06	738.29	425.20	278.63
240.0	5762.23	5233.50	4256.63	3232.19	2237.67	1448.04	823.39	484.21	297.90
270.0	5732.30	5205.88	4308.82	3242.16	2278.34	1451.11	854.17	480.76	301.50
300.0	5769.90	5452.97	4676.39	3704.89	2652.05	1750.38	1011.40	584.74	387.52
330.0	5774.50	5505.92	4794.57	3813.09	2820.11	1857.82	1113.69	611.29	365.35
360.0	5771.43	5693.93	5103.05	4202.92	3170.03	2178.58	1403.53	815.72	460.43
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	290.53	208.96	159.69	130.99	109.50	92.47	79.58	69.75	61.47
30.0	395.20	253.23	186.86	148.56	122.09	102.75	88.63	76.74	67.84
60.0	343.86	234.59	175.50	141.35	116.79	99.53	85.49	74.13	64.54
90.0	314.70	218.01	165.37	134.37	111.88	95.54	82.95	72.29	63.39
120.0	251.32	183.94	145.57	118.56	99.14	84.80	73.28	65.00	57.40
150.0	236.51	176.19	139.05	114.95	96.31	82.26	72.75	65.46	57.78
180.0	215.40	163.60	132.76	110.43	93.62	80.88	70.45	62.85	55.63
210.0	200.29	154.47	126.54	106.28	90.55	79.35	71.14	62.46	54.94
240.0	212.56	162.15	129.92	109.58	93.77	81.11	71.83	63.54	56.33
270.0	210.41	159.84	130.07	109.12	93.85	79.96	70.37	62.08	55.33
300.0	231.98	172.97	136.59	113.57	95.54	81.34	70.98	63.16	56.86
330.0	244.41	180.41	143.88	118.10	99.38	83.72	72.90	64.00	57.63
360.0	290.53	208.96	159.69	130.99	109.50	92.47	79.58	69.75	61.47
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	53.95	47.27	41.59	36.91	33.23	30.39	28.01	25.94	24.33
30.0	60.32	53.18	46.35	41.05	36.83	33.15	30.23	27.70	25.63
60.0	57.55	51.87	45.74	41.05	36.91	32.92	29.62	27.47	25.55
90.0	55.79	48.96	43.36	38.98	35.38	32.31	29.70	27.40	25.48
120.0	51.95	46.43	41.52	37.29	33.38	30.23	27.70	25.71	24.02
150.0	51.41	45.35	40.29	35.38	32.31	29.54	27.24	25.32	23.56
180.0	48.42	42.51	37.60	33.92	31.00	28.47	26.55	24.79	23.25
210.0	48.50	42.51	37.83	34.15	31.23	28.70	26.70	25.02	23.40
240.0	50.11	44.43	39.06	35.30	32.00	29.24	27.01	25.25	23.64
270.0	48.57	42.97	38.45	34.53	31.69	29.24	27.24	25.40	23.71
300.0	50.65	44.97	39.90	35.61	32.31	29.31	27.01	25.25	23.64
330.0	51.18	45.28	40.67	36.14	32.61	29.77	27.40	25.40	23.64
360.0	53.95	47.27	41.59	36.91	33.23	30.39	28.01	25.94	24.33
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	22.87	21.79	20.57	19.57	18.49	17.42	16.42	15.27	14.04
30.0	23.94	22.41	21.33	20.11	19.11	18.11	16.96	15.81	14.81
60.0	23.87	22.48	21.26	20.18	19.03	18.11	17.04	16.11	14.89
90.0	23.79	22.33	21.10	19.95	18.95	17.96	17.04	15.88	14.81
120.0	22.64	21.41	20.26	19.18	18.34	17.34	16.35	15.27	14.20
150.0	22.18	21.03	19.95	18.88	17.96	16.88	15.96	14.66	13.51
180.0	22.02	21.10	20.03	19.03	17.88	16.81	15.58	14.50	13.20
210.0	22.18	21.03	19.95	18.88	18.03	17.11	16.27	15.35	14.20
240.0	22.33	21.33	20.18	19.26	18.26	17.42	16.42	15.58	14.43
270.0	22.48	21.33	20.26	19.18	18.19	17.11	15.88	14.58	13.28
300.0	22.33	21.10	20.03	19.03	18.11	17.19	16.27	15.27	14.27
330.0	22.33	21.18	20.11	19.18	18.34	17.34	16.42	15.50	14.58
360.0	22.87	21.79	20.57	19.57	18.49	17.42	16.42	15.27	14.04

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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	12.58	10.97	9.36	7.98	6.52	4.99	3.38	1.76	0.31
30.0	13.51	12.12	10.67	9.13	7.67	5.99	4.53	3.15	0.77
60.0	13.58	12.12	10.67	9.06	7.52	5.83	3.91	2.30	0.69
90.0	13.58	12.28	10.74	8.82	6.91	4.99	3.45	2.15	0.77
120.0	12.74	11.36	9.75	8.21	6.60	5.06	3.22	1.76	0.38
150.0	12.20	10.82	9.52	7.98	6.45	4.83	3.38	2.00	0.23
180.0	11.66	10.13	8.44	6.98	5.45	4.07	2.84	1.30	0.00
210.0	12.89	11.36	9.59	7.52	5.60	3.68	2.23	0.92	0.00
240.0	13.28	11.59	9.67	7.98	6.22	4.53	2.61	1.15	0.08
270.0	11.89	10.21	8.59	7.14	5.68	4.14	2.84	0.92	0.00
300.0	12.97	11.51	9.98	8.29	6.52	4.91	2.99	1.38	0.15
330.0	13.35	12.05	10.67	8.44	6.22	4.45	2.84	1.46	0.23
360.0	12.58	10.97	9.36	7.98	6.52	4.99	3.38	1.76	0.31

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