

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1121A-1-24DC-RC-Y (20-XL-1RGBWN-AJ, P4)

报告编号:

电压(V): 24.1000

测试编号: 20210412004

电流(A): 0.2390

光源规格型号: XL

功率(W): 5.7000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 1

镇流器型号:

发光面长度(mm): 50

发光面宽度(mm): 50

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 232.07

灯具效能(lm/w): 40.71

中心光强(cd): 1009.867

最大光强(cd): 1029.281

最大光强角度: C=150.0 γ =2.0

半峰边角(50%Imax): [C0/180]Total=22.9

[C90/270]Total=22.6

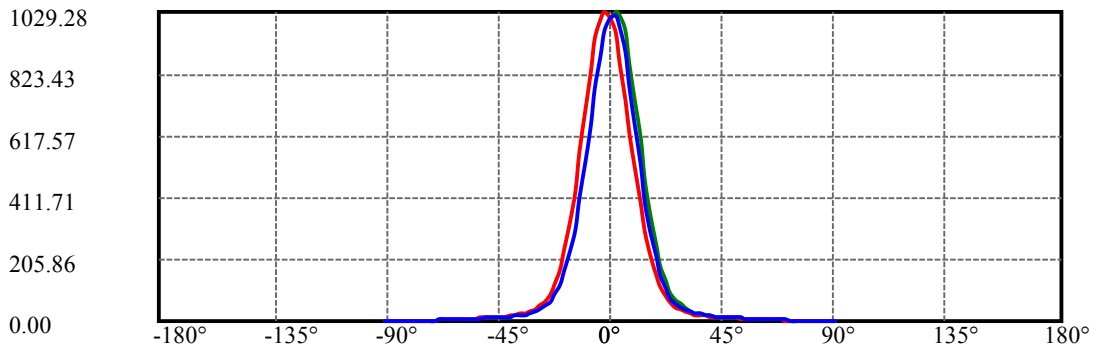
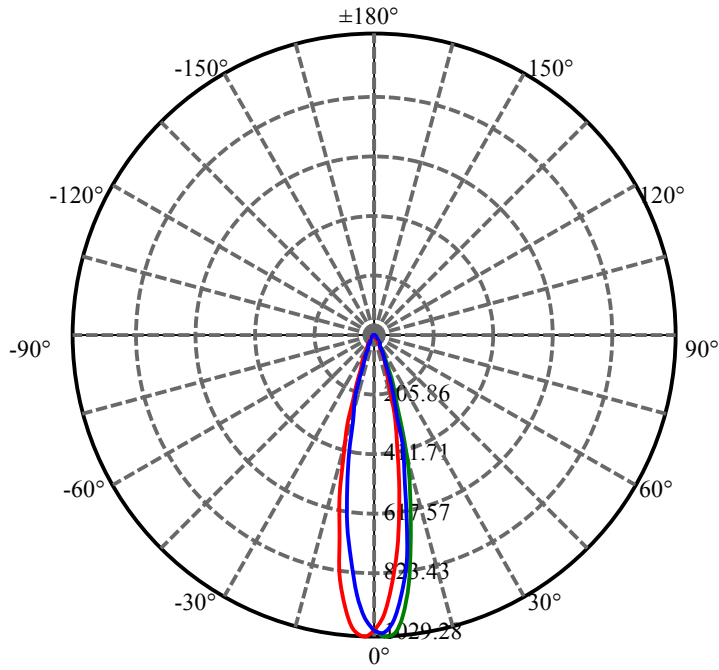
光束扩散角(10%Imax): [C0/180]Total=44.2

[C90/270]Total=43.6

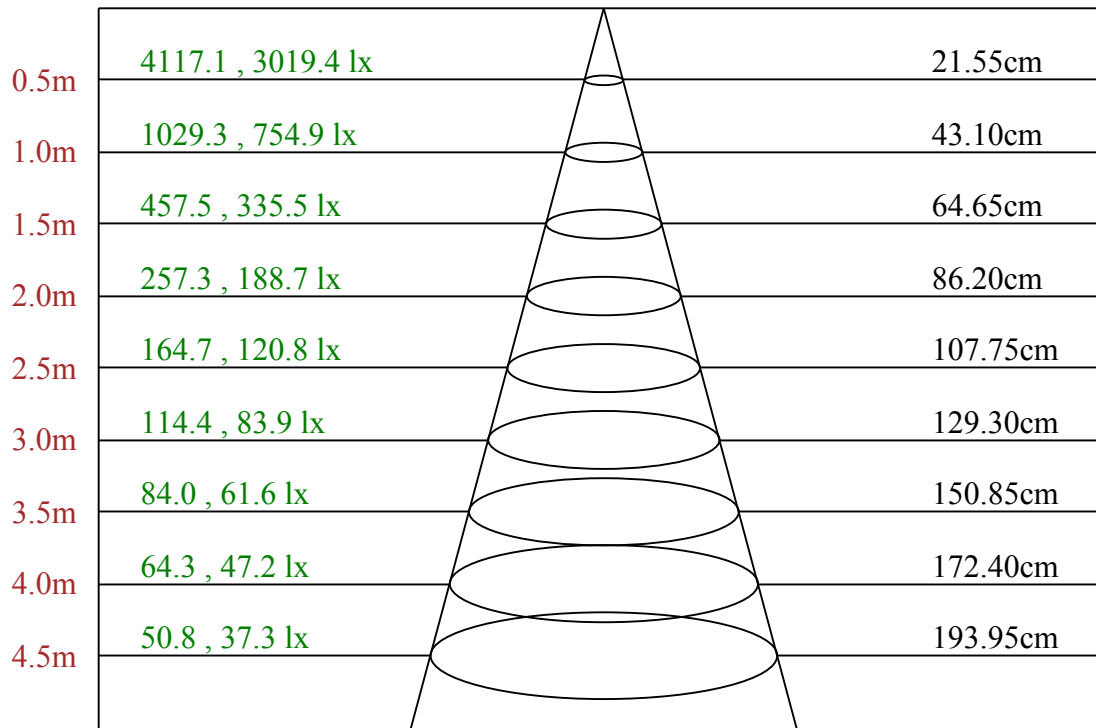
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/12
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

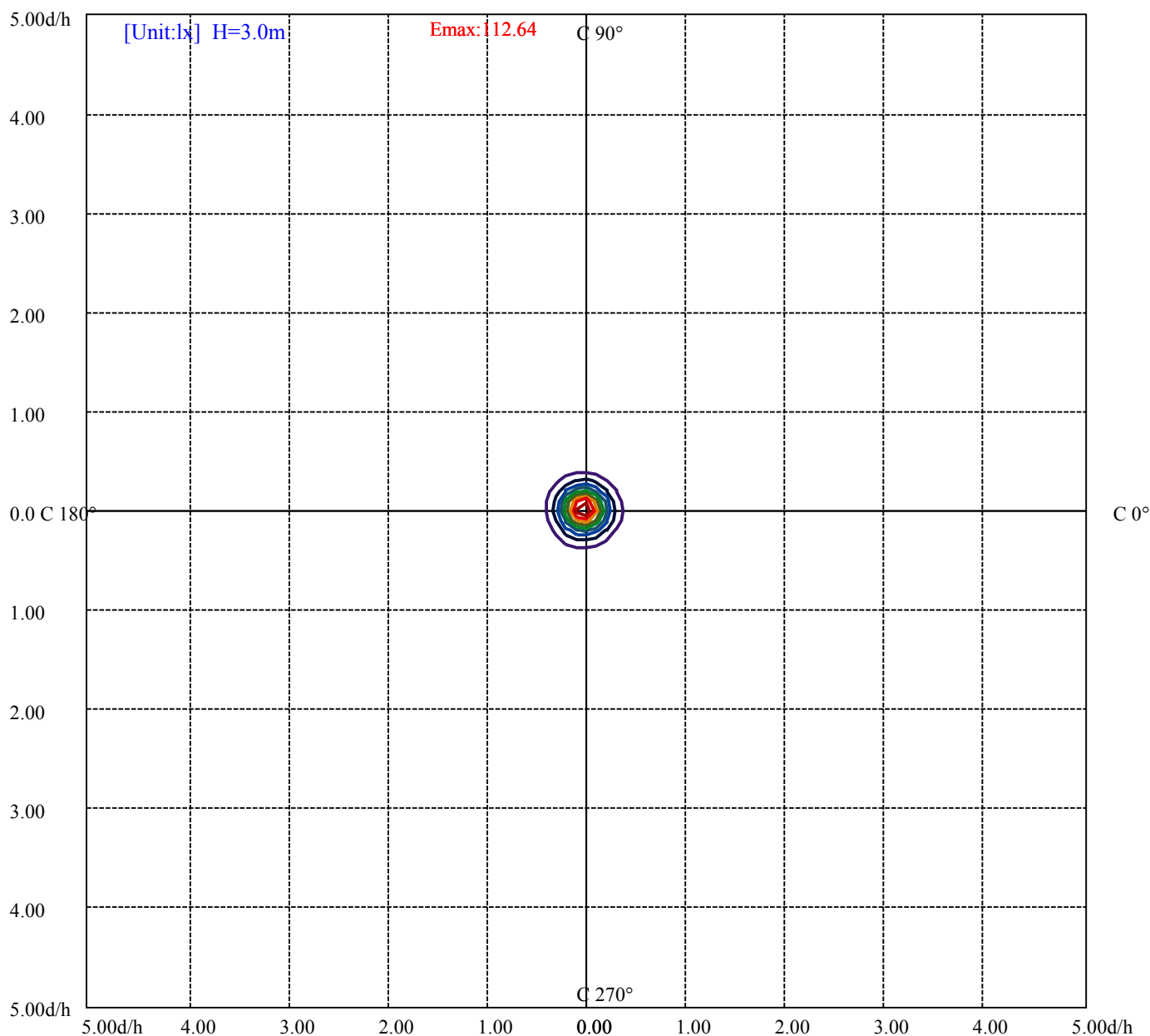


C150(Max): —
C0/C180: —
C90/C270: —



Max , Ave C150面光束角24.29

ROLED 投光灯
平面等照度曲线



- (10%Emax) 11.26422
- (20%Emax) 22.52844
- (30%Emax) 33.79256
- (40%Emax) 45.05678
- (50%Emax) 56.321
- (60%Emax) 67.58523
- (70%Emax) 78.84945
- (80%Emax) 90.11356
- (90%Emax) 101.3778

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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

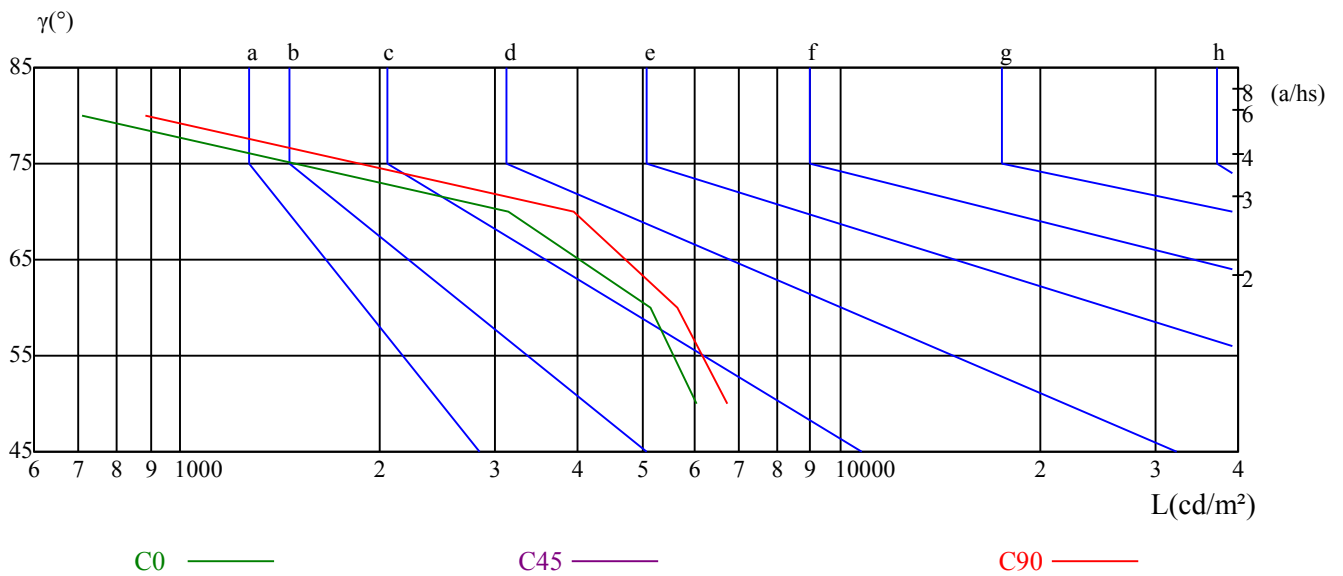
γ	45	50	55	60	65	70	75	80	85
C0	0	6065	0	5157	0	3141	0	707	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6733	0	5648	0	3949	0	884	0

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

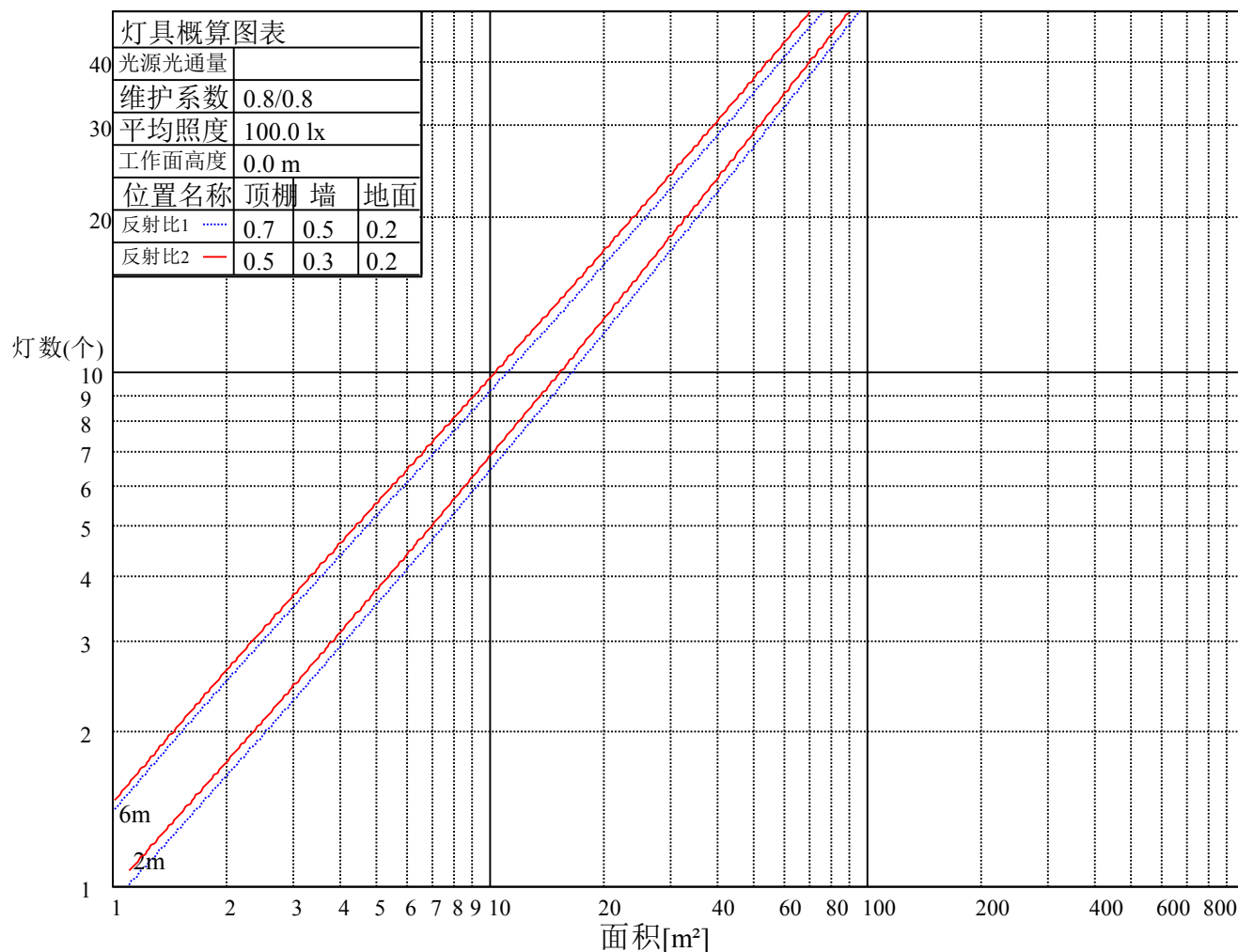
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	≤ 300				
1.5	B		2000	1000	500	≤ 300			
1.85	C			2000	1000	500	≤ 300		
2.2	D				2000	1000	500	≤ 300	
2.55	E					2000	1000	500	≤ 300
		a	b	c	d	e	f	g	h

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	18.39	19.41	18.75	19.72	20.04	18.40	19.42	18.76	19.73	20.05
	3H	19.35	20.25	19.73	20.58	20.95	19.29	20.19	19.67	20.52	20.89
	4H	19.51	20.35	19.92	20.70	21.09	19.43	20.26	19.84	20.62	21.01
	6H	19.49	20.25	19.91	20.63	21.02	19.41	20.17	19.83	20.55	20.94
	8H	19.44	20.16	19.88	20.55	20.96	19.36	20.08	19.80	20.47	20.88
	12H	19.39	20.08	19.83	20.46	20.89	19.32	20.00	19.75	20.39	20.82
4H	2H	18.66	19.50	19.07	19.85	20.24	18.67	19.50	19.08	19.86	20.25
	3H	19.75	20.44	20.17	20.85	21.25	19.69	20.38	20.11	20.78	21.19
	4H	19.96	20.57	20.40	20.99	21.44	19.87	20.48	20.31	20.91	21.35
	6H	19.95	20.47	20.42	20.92	21.39	19.87	20.39	20.34	20.84	21.31
	8H	19.89	20.38	20.37	20.83	21.30	19.82	20.30	20.29	20.75	21.23
	12H	19.84	20.26	20.34	20.75	21.23	19.77	20.19	20.26	20.67	21.15
8H	4H	19.93	20.41	20.40	20.86	21.34	19.85	20.33	20.33	20.78	21.26
	6H	19.92	20.30	20.43	20.81	21.29	19.85	20.23	20.36	20.74	21.22
	8H	19.87	20.21	20.41	20.73	21.23	19.81	20.14	20.34	20.67	21.16
	12H	20.58	20.87	21.10	21.37	21.95	20.51	20.80	21.03	21.30	21.88
12H	4H	19.87	20.29	20.36	20.78	21.26	19.79	20.21	20.29	20.70	21.18
	6H	20.15	20.20	20.40	20.68	21.22	20.08	20.13	20.33	20.60	21.15
	8H	19.83	20.12	20.35	20.62	21.20	19.77	20.06	20.29	20.56	21.13
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.5					0.4/-0.5					
S = 1.5H	1.0/-1.3					1.1/-1.5					
S = 2.0H	3.2/-1.8					3.0/-2.3					
标准表格	BK2					BK2					
更正系数	-2.6					-3.1					

ROLED 投光灯 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	1.12	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	1.05	1.02	0.99	1.04	1.00	0.98	1.00	0.98	0.96	0.98	0.95	0.94	0.95	0.93	0.92	0.90
3	1.00	0.95	0.92	0.98	0.94	0.91	0.96	0.93	0.90	0.93	0.91	0.89	0.91	0.89	0.87	0.86
4	0.95	0.90	0.87	0.94	0.90	0.86	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.82
5	0.91	0.86	0.82	0.90	0.85	0.82	0.88	0.84	0.81	0.87	0.83	0.81	0.85	0.82	0.80	0.79
6	0.87	0.82	0.79	0.86	0.82	0.78	0.85	0.81	0.78	0.84	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.72	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.71
9	0.78	0.73	0.70	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.72	0.70	0.75	0.72	0.69	0.68
10	0.75	0.71	0.68	0.75	0.71	0.68	0.74	0.70	0.68	0.74	0.70	0.67	0.73	0.70	0.67	0.66

ROLED 投光灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1009.87	958.15	858.23	736.68	625.18	505.85	390.29	297.82	215.71
30.0	1016.16	982.16	909.03	794.16	663.70	534.25	421.60	314.70	228.68
60.0	1011.40	995.52	935.51	826.54	687.65	566.94	446.92	336.57	241.88
90.0	1008.26	1016.16	979.71	895.22	781.88	647.05	517.90	393.82	292.22
120.0	1010.71	1024.06	996.90	928.83	817.26	689.64	555.81	431.96	318.46
150.0	1004.73	1029.28	1015.47	962.60	859.69	730.85	609.14	476.00	350.38
180.0	1009.87	1027.67	1004.19	936.89	829.99	697.70	561.95	435.64	323.14
210.0	1016.16	1017.46	973.34	885.78	765.84	625.56	496.34	375.94	282.39
240.0	1011.40	999.05	938.19	840.28	721.64	597.86	467.26	356.98	264.82
270.0	1008.26	965.74	885.01	770.37	653.19	524.89	407.09	305.95	227.68
300.0	1010.71	959.30	866.06	751.18	629.63	505.70	387.06	291.83	212.18
330.0	1004.73	941.95	835.29	713.81	601.09	482.91	371.72	275.33	201.44
360.0	1009.87	958.15	858.23	736.68	625.18	505.85	390.29	297.82	215.71
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	154.17	113.26	82.65	62.62	47.81	38.14	31.08	26.09	21.95
30.0	168.21	120.71	87.56	65.53	51.18	40.59	33.69	28.01	23.40
60.0	177.72	125.85	90.93	68.76	52.72	42.28	34.38	28.78	23.94
90.0	215.25	151.86	106.74	77.81	59.78	46.96	38.29	31.54	26.47
120.0	229.52	162.53	117.56	85.56	63.54	49.27	39.06	31.85	26.01
150.0	256.99	184.17	132.14	96.31	72.36	54.71	42.82	34.76	28.39
180.0	237.58	171.28	124.62	90.32	66.68	51.41	40.36	32.69	27.17
210.0	207.96	149.41	107.89	79.35	59.86	46.27	37.68	31.16	26.78
240.0	193.23	142.12	101.29	74.59	56.17	43.51	35.07	29.47	25.09
270.0	165.98	120.55	88.63	65.99	51.11	39.83	32.08	26.40	21.95
300.0	153.71	114.49	84.10	63.69	49.04	38.68	31.46	26.47	22.48
330.0	144.73	104.59	77.50	58.78	45.74	36.37	30.46	25.40	21.72
360.0	154.17	113.26	82.65	62.62	47.81	38.14	31.08	26.09	21.95
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	18.57	16.35	14.27	12.97	11.89	11.05	10.36	9.75	9.29
30.0	20.57	17.65	15.50	13.81	12.74	11.59	10.97	10.28	9.59
60.0	20.57	17.88	15.50	13.97	12.74	11.74	10.97	10.44	9.67
90.0	22.56	19.34	16.81	14.89	13.66	12.58	11.66	10.82	10.13
120.0	22.18	19.18	16.81	14.96	13.43	12.28	11.28	10.59	9.90
150.0	23.79	20.41	17.57	15.50	13.97	12.58	11.43	10.74	10.05
180.0	23.02	19.64	17.27	15.19	13.66	12.28	11.36	10.59	9.90
210.0	22.71	19.49	16.88	15.04	13.51	12.05	11.20	10.36	9.82
240.0	20.87	18.26	16.19	14.35	13.20	11.74	10.82	10.13	9.52
270.0	18.80	16.42	14.73	13.28	12.28	11.66	10.36	9.67	9.06
300.0	19.18	16.73	14.50	13.12	12.12	11.20	10.36	9.59	9.13
330.0	18.80	16.35	14.43	12.97	11.97	10.97	10.36	9.67	9.06
360.0	18.57	16.35	14.27	12.97	11.89	11.05	10.36	9.75	9.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	8.75	8.29	7.37	6.45	5.45	4.68	3.99	3.30	2.69
30.0	9.06	8.59	7.67	6.83	5.76	4.99	4.22	3.61	2.92
60.0	9.21	8.67	7.67	6.98	5.83	5.06	4.30	3.76	2.99
90.0	9.44	8.75	7.98	7.06	6.14	5.29	4.68	3.91	3.38
120.0	9.36	8.59	7.83	6.83	6.06	5.22	4.53	3.91	3.22
150.0	9.29	8.59	7.67	6.83	5.83	5.14	4.45	3.99	3.30
180.0	9.13	8.36	7.37	6.60	5.76	4.99	4.22	3.61	2.92
210.0	8.98	8.29	7.21	6.29	5.60	4.83	4.14	3.53	2.76
240.0	8.59	8.13	7.06	6.37	5.45	4.68	4.07	3.45	2.76
270.0	8.52	7.83	6.83	5.99	5.14	4.53	3.91	3.22	2.53
300.0	8.67	7.83	7.14	6.14	5.37	4.60	3.91	3.30	2.69
330.0	8.67	8.06	6.98	6.29	5.29	4.45	3.84	3.15	2.38
360.0	8.75	8.29	7.37	6.45	5.45	4.68	3.99	3.30	2.69

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	2.00	1.46	0.92	0.46	0.31	0.23	0.15	0.00	0.00
30.0	2.23	1.76	1.15	0.69	0.31	0.23	0.15	0.08	0.00
60.0	2.38	1.76	1.15	0.69	0.31	0.31	0.15	0.08	0.00
90.0	2.53	2.00	1.46	0.92	0.38	0.23	0.15	0.08	0.00
120.0	2.53	2.00	1.46	0.92	0.54	0.23	0.31	0.15	0.00
150.0	2.61	2.07	1.46	0.92	0.46	0.23	0.23	0.15	0.00
180.0	2.38	1.69	1.23	0.69	0.46	0.23	0.15	0.08	0.08
210.0	2.23	1.69	1.07	0.61	0.31	0.23	0.15	0.08	0.00
240.0	2.23	1.61	1.07	0.61	0.15	0.15	0.15	0.08	0.00
270.0	2.07	1.38	0.92	0.46	0.23	0.23	0.15	0.08	0.00
300.0	2.00	1.46	0.92	0.46	0.31	0.23	0.08	0.00	0.00
330.0	1.84	1.30	0.77	0.38	0.31	0.23	0.08	0.00	0.00
360.0	2.00	1.46	0.92	0.46	0.31	0.23	0.15	0.00	0.00
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								