

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(55-XL-24RGBWN-AJ, L610mm, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210410003

电流(A): 0.4660

光源规格型号: XL

功率(W): 100.9000

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): 590

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4633.86

灯具效能(lm/w): 45.93

中心光强(cd): 4291.167

最大光强(cd): 4413.179

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=54.8

[C90/270]Total=54.9

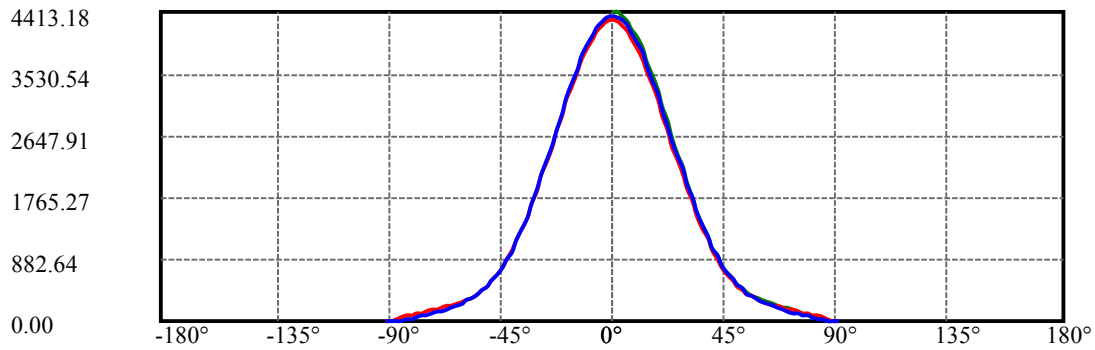
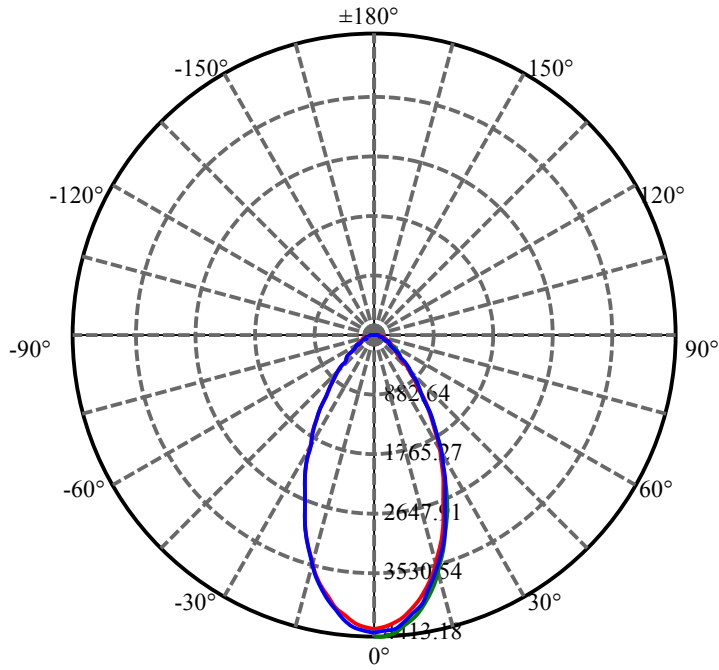
光束扩散角(10%Imax): [C0/180]Total=104.5

[C90/270]Total=104.4

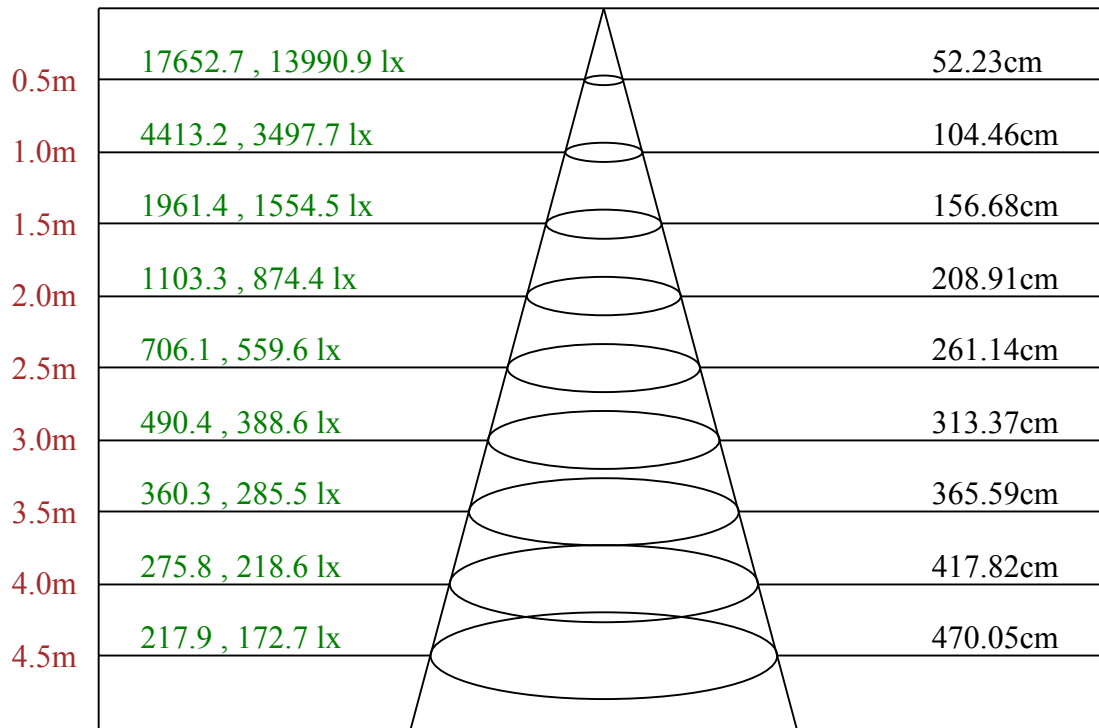
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/10
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

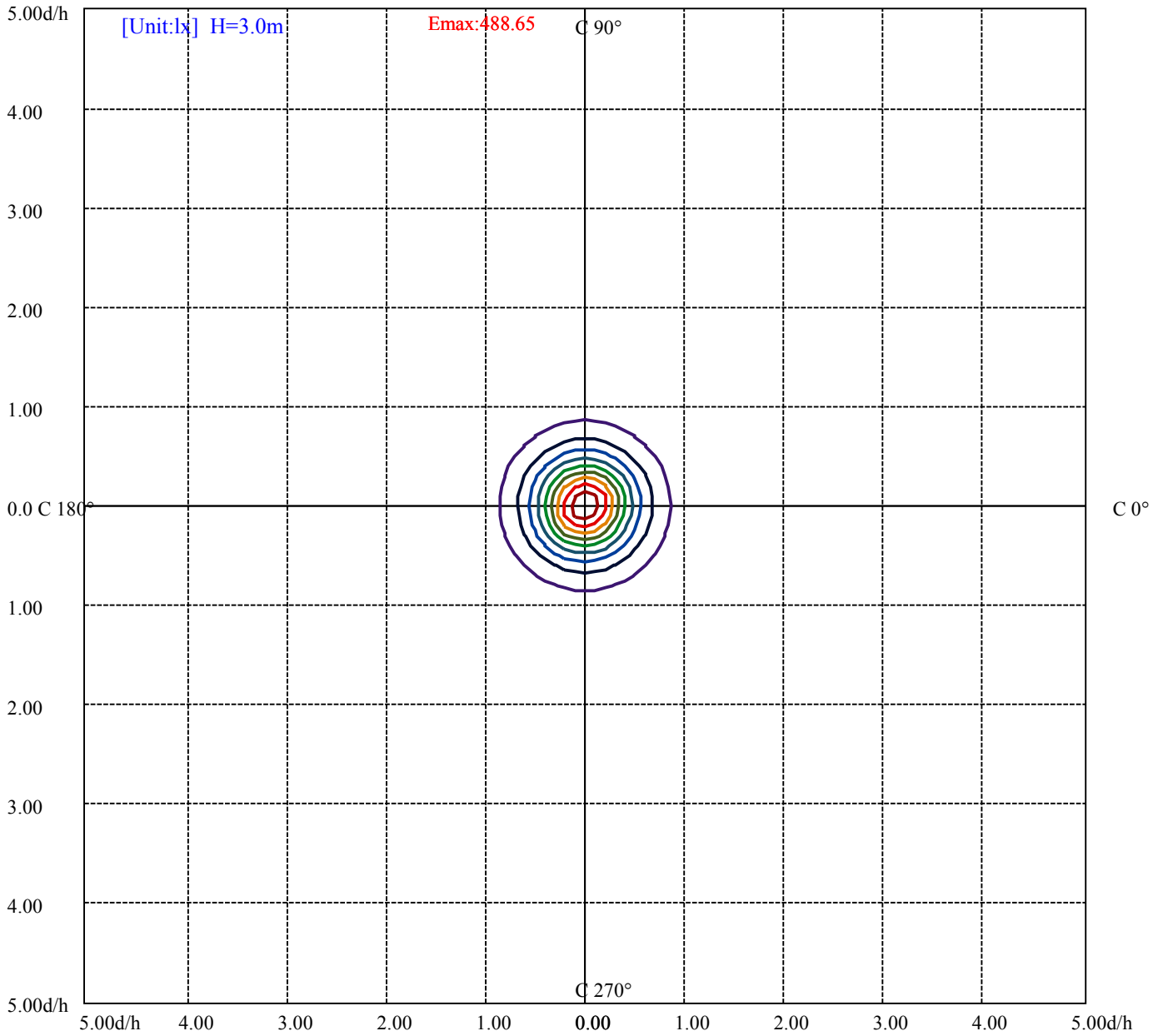


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角55.15

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平面等照度曲线



(10%Emax) 48.86478	——
(20%Emax) 97.72955	——
(30%Emax) 146.5944	——
(40%Emax) 195.4589	——
(50%Emax) 244.3233	——
(60%Emax) 293.1889	——
(70%Emax) 342.0533	——
(80%Emax) 390.9178	——
(90%Emax) 439.7822	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

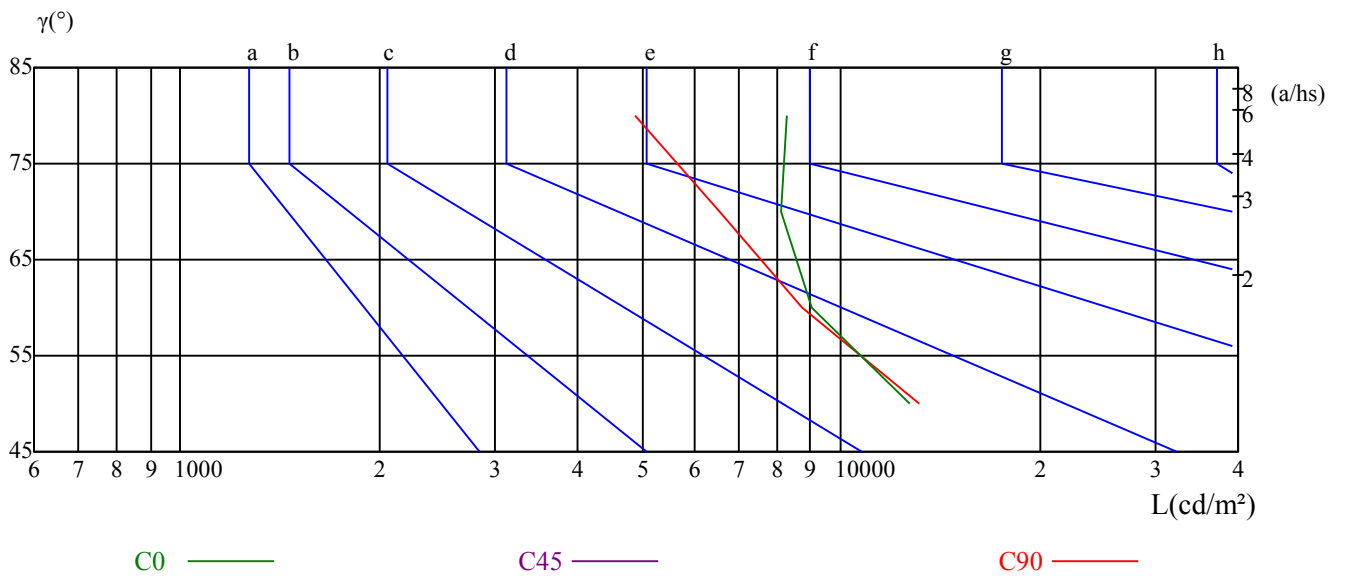
γ	45	50	55	60	65	70	75	80	85
C0	0	12699	0	9038	0	8124	0	8260	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13143	0	8772	0	6541	0	4894	0

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

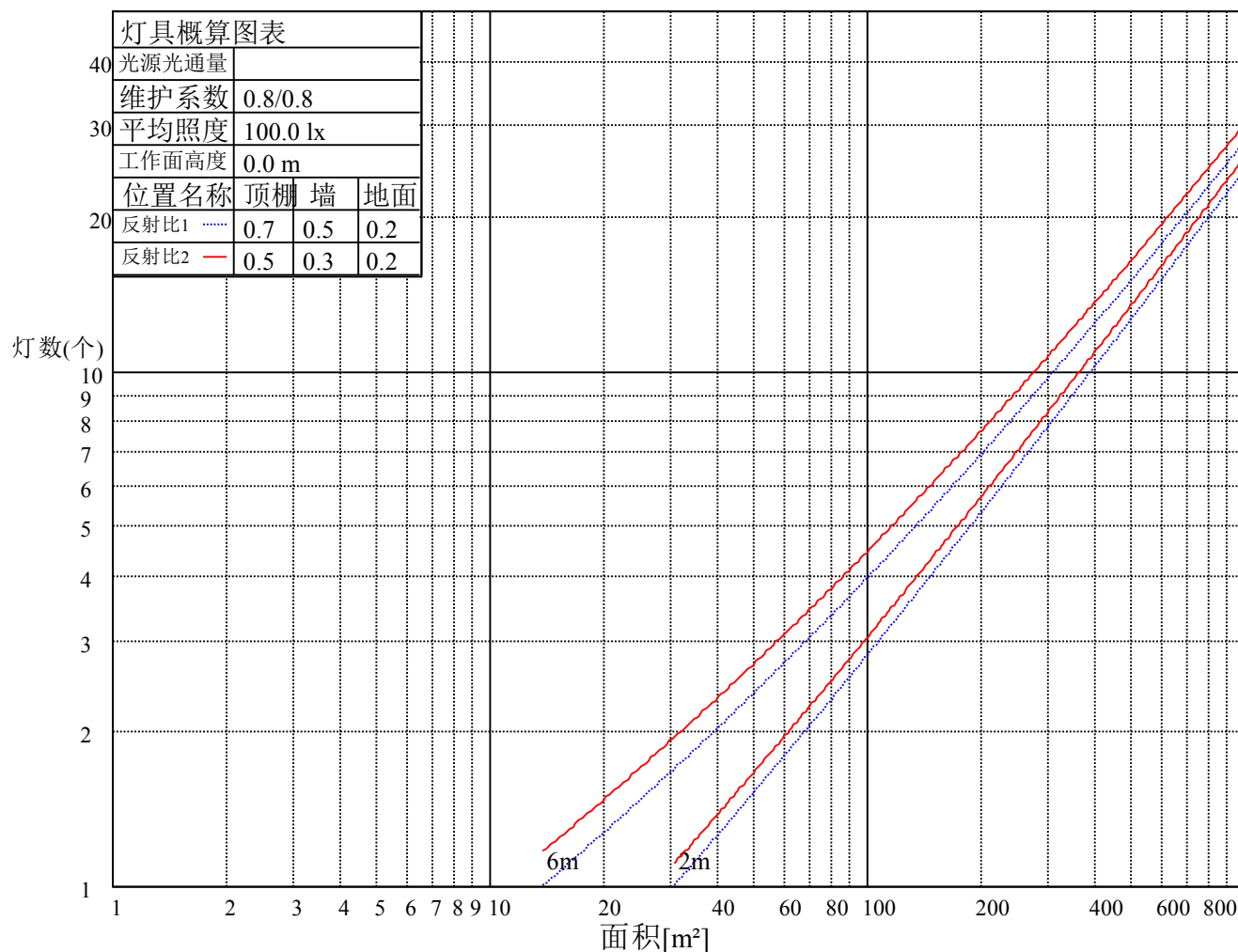
亮度限制曲线



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	12.14	13.41	12.51	13.72	14.04	12.29	13.56	12.66	13.87	14.19
	3H	13.30	14.42	13.68	14.75	15.12	13.86	14.99	14.24	15.32	15.68
	4H	13.67	14.71	14.07	15.07	15.45	14.51	15.56	14.92	15.91	16.30
	6H	13.89	14.85	14.30	15.22	15.62	15.05	16.01	15.46	16.38	16.78
	8H	13.92	14.84	14.35	15.23	15.63	15.25	16.16	15.68	16.55	16.96
	12H	13.94	14.82	14.38	15.20	15.63	15.52	16.40	15.96	16.78	17.21
4H	2H	12.64	13.69	13.04	14.04	14.42	12.76	13.81	13.16	14.16	14.54
	3H	13.98	14.84	14.39	15.25	15.65	14.58	15.44	15.00	15.85	16.25
	4H	14.43	15.21	14.87	15.63	16.07	15.36	16.13	15.80	16.55	17.00
	6H	14.69	15.36	15.16	15.80	16.27	15.90	16.57	16.36	17.01	17.48
	8H	14.75	15.37	15.22	15.82	16.29	16.15	16.77	16.62	17.21	17.69
	12H	14.77	15.32	15.26	15.80	16.28	16.43	16.98	16.92	17.46	17.93
8H	4H	14.69	15.31	15.16	15.75	16.23	15.51	16.13	15.98	16.58	17.05
	6H	15.04	15.55	15.54	16.04	16.53	16.15	16.66	16.66	17.16	17.64
	8H	15.14	15.59	15.66	16.11	16.60	16.46	16.91	16.98	17.43	17.92
	12H	15.75	16.15	16.27	16.64	17.21	17.23	17.62	17.74	18.12	18.69
12H	4H	14.70	15.24	15.18	15.73	16.20	15.50	16.04	15.98	16.53	17.00
	6H	15.63	15.53	15.61	16.00	16.54	16.71	16.61	16.68	17.07	17.62
	8H	15.21	15.60	15.72	16.10	16.67	16.49	16.89	17.01	17.38	17.95
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.1					0.6/-1.0					
S = 1.5H	1.4/-1.6					1.2/-1.3					
S = 2.0H	3.3/-1.9					2.4/-1.4					
标准表格	BK3					BK3					
更正系数	3.6					4.1					

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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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.90
2	0.98	0.93	0.89	0.97	0.92	0.88	0.93	0.89	0.86	0.90	0.87	0.84	0.87	0.85	0.82	0.81
3	0.90	0.84	0.79	0.88	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.77	0.74	0.73
4	0.82	0.76	0.71	0.81	0.75	0.70	0.79	0.74	0.69	0.77	0.72	0.68	0.75	0.71	0.68	0.66
5	0.76	0.69	0.64	0.75	0.68	0.64	0.73	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.60
6	0.70	0.63	0.58	0.70	0.63	0.58	0.68	0.62	0.58	0.66	0.61	0.57	0.65	0.60	0.57	0.55
7	0.65	0.58	0.53	0.65	0.58	0.53	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.51
8	0.61	0.54	0.49	0.60	0.54	0.49	0.59	0.53	0.49	0.58	0.53	0.49	0.57	0.52	0.49	0.47
9	0.57	0.50	0.46	0.57	0.50	0.46	0.56	0.50	0.46	0.55	0.49	0.45	0.54	0.49	0.45	0.44
10	0.54	0.47	0.43	0.53	0.47	0.43	0.52	0.47	0.43	0.52	0.46	0.42	0.51	0.46	0.42	0.41

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	4291.17	4277.35	4227.47	4143.06	4032.56	3902.11	3739.42	3562.93	3374.15
30.0	4413.18	4402.44	4356.39	4280.42	4175.29	4049.44	3893.67	3711.80	3517.65
60.0	4382.48	4367.14	4318.02	4245.89	4136.92	4001.87	3851.46	3663.45	3457.03
90.0	4354.86	4344.12	4301.14	4223.64	4116.97	3986.52	3824.60	3640.43	3435.54
120.0	4330.30	4312.65	4260.47	4174.53	4063.26	3918.99	3760.91	3568.30	3361.11
150.0	4308.05	4296.54	4246.66	4164.55	4052.51	3918.99	3754.00	3575.97	3370.32
180.0	4291.17	4269.68	4219.80	4136.92	4023.35	3885.22	3734.82	3550.65	3349.60
210.0	4413.18	4391.69	4339.51	4258.94	4153.04	4014.91	3855.30	3679.57	3467.00
240.0	4382.48	4363.30	4318.02	4237.45	4140.76	4009.54	3849.93	3673.43	3478.52
270.0	4354.86	4332.60	4269.68	4187.57	4073.23	3936.64	3772.42	3588.25	3388.73
300.0	4330.30	4310.35	4256.63	4167.62	4057.12	3914.38	3744.03	3559.09	3362.64
330.0	4308.05	4285.79	4223.64	4136.92	4017.98	3869.11	3699.52	3518.42	3306.62
360.0	4291.17	4277.35	4227.47	4143.06	4032.56	3902.11	3739.42	3562.93	3374.15
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3155.45	2938.28	2714.21	2505.48	2299.83	2092.63	1898.49	1702.04	1506.36
30.0	3300.48	3081.78	2846.96	2618.29	2391.91	2183.18	1969.09	1760.36	1567.75
60.0	3236.02	3013.49	2778.67	2551.53	2340.50	2125.63	1927.65	1710.48	1531.45
90.0	3231.42	3008.88	2781.74	2573.78	2360.45	2159.40	1945.30	1753.45	1553.94
120.0	3144.71	2931.38	2711.14	2509.32	2302.13	2101.84	1906.93	1709.71	1527.15
150.0	3156.98	2949.03	2729.56	2519.30	2313.64	2120.26	1923.04	1727.36	1541.66
180.0	3149.31	2926.00	2701.16	2481.69	2279.11	2070.38	1864.72	1673.65	1488.56
210.0	3258.28	3027.30	2797.85	2557.66	2340.50	2113.35	1900.02	1701.27	1505.21
240.0	3254.44	3025.00	2797.85	2559.20	2337.43	2114.89	1910.00	1703.57	1501.75
270.0	3175.40	2952.10	2721.12	2511.62	2294.45	2076.52	1882.37	1676.72	1485.87
300.0	3140.10	2920.63	2708.07	2489.37	2286.01	2080.36	1889.28	1695.90	1500.99
330.0	3094.06	2886.87	2663.56	2464.81	2258.39	2054.27	1860.89	1677.48	1491.47
360.0	3155.45	2938.28	2714.21	2505.48	2299.83	2092.63	1898.49	1702.04	1506.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1323.72	1168.71	1015.24	888.62	772.75	667.62	577.83	505.70	438.17
30.0	1380.51	1209.38	1054.37	923.92	803.44	698.31	610.83	530.26	461.19
60.0	1348.20	1188.67	1037.19	904.28	792.93	689.18	599.09	520.28	455.90
90.0	1378.97	1207.08	1052.07	921.62	801.14	694.48	600.09	523.35	452.75
120.0	1354.88	1194.27	1040.56	912.33	786.87	687.88	597.10	517.67	453.52
150.0	1360.56	1190.97	1036.72	907.81	788.10	688.34	597.02	517.98	450.45
180.0	1317.12	1150.45	1000.66	869.59	759.40	657.33	569.39	496.57	431.80
210.0	1332.01	1164.95	1011.25	880.87	771.06	667.31	584.36	508.23	443.08
240.0	1326.79	1163.34	1012.17	880.95	772.75	669.92	584.74	509.54	442.78
270.0	1315.59	1149.53	997.82	874.42	759.63	656.64	573.15	495.88	428.20
300.0	1329.10	1165.64	1014.47	881.72	774.28	670.69	586.28	510.31	442.01
330.0	1315.82	1158.89	1006.26	876.73	761.08	663.47	576.84	504.78	438.71
360.0	1323.72	1168.71	1015.24	888.62	772.75	667.62	577.83	505.70	438.17
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	388.29	344.94	308.18	279.94	253.46	231.44	210.72	192.00	172.12
30.0	405.94	363.97	326.83	298.13	272.34	248.40	226.76	204.51	182.79
60.0	400.19	356.60	317.31	284.62	256.30	230.90	203.20	174.19	149.72
90.0	391.36	345.93	305.34	271.73	243.03	213.64	185.17	161.69	138.59
120.0	397.50	351.23	314.24	281.70	253.54	226.99	200.67	171.59	147.64
150.0	398.27	354.83	318.54	290.68	265.51	243.49	221.16	199.06	178.88
180.0	379.62	337.11	304.42	275.79	252.08	229.60	208.88	188.62	170.20
210.0	391.59	351.38	316.62	289.07	265.67	242.11	219.62	198.37	176.11
240.0	388.29	349.16	310.71	279.09	252.77	225.53	198.67	168.06	143.58
270.0	372.41	328.44	290.38	260.29	230.37	200.29	173.96	150.71	126.85
300.0	388.29	348.16	309.25	277.33	250.93	223.61	197.14	166.83	142.27
330.0	386.45	345.86	310.94	283.39	258.84	237.04	214.87	192.76	172.51
360.0	388.29	344.94	308.18	279.94	253.46	231.44	210.72	192.00	172.12

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	154.55	138.66	121.71	106.74	88.86	70.98	54.79	36.22	12.89
30.0	161.07	140.81	118.79	95.08	71.14	50.03	35.76	12.43	4.60
60.0	126.46	102.75	83.72	69.37	57.55	33.53	12.35	8.90	4.99
90.0	114.95	97.84	82.57	71.90	52.64	21.95	14.04	9.59	5.76
120.0	124.70	101.29	82.72	68.76	56.63	32.08	12.12	8.67	4.76
150.0	157.62	136.52	114.49	90.78	67.45	47.42	33.99	9.44	4.14
180.0	152.63	135.98	120.78	104.82	86.56	69.52	52.49	33.15	10.90
210.0	154.70	132.30	109.27	84.03	59.55	41.05	29.08	6.06	3.07
240.0	120.25	97.23	79.58	65.38	52.49	22.56	10.82	6.68	4.22
270.0	105.13	88.94	76.05	63.69	36.68	13.81	11.59	6.75	4.07
300.0	119.33	97.53	78.81	64.61	52.41	23.40	10.44	6.98	4.14
330.0	151.71	130.22	107.28	83.95	59.78	41.05	29.54	5.91	2.99
360.0	154.55	138.66	121.71	106.74	88.86	70.98	54.79	36.22	12.89
C/γ(°)	90.0								
0.0	0.54								
30.0	1.15								
60.0	1.00								
90.0	1.38								
120.0	0.92								
150.0	0.77								
180.0	0.46								
210.0	0.46								
240.0	0.23								
270.0	0.31								
300.0	0.31								
330.0	0.38								
360.0	0.54								