

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3623A-24-24DC(45-OL-24WN-AA,L1000mm, C,CT)

报告编号:

电压(V): 23.9000

测试编号: 20210425006

电流(A): 1.0480

光源规格型号: OL

功率(W): 25.1000

每个光源光通量(lm)

功率因数: 1.0230

光源数量: 24

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 35

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2423.61

灯具效能(lm/w): 96.56

中心光强(cd): 3219.143

最大光强(cd): 3244.466

最大光强角度: C=240.0 γ =2.0

半峰边角(50%Imax): [C0/180]Total=43.5

[C90/270]Total=43.4

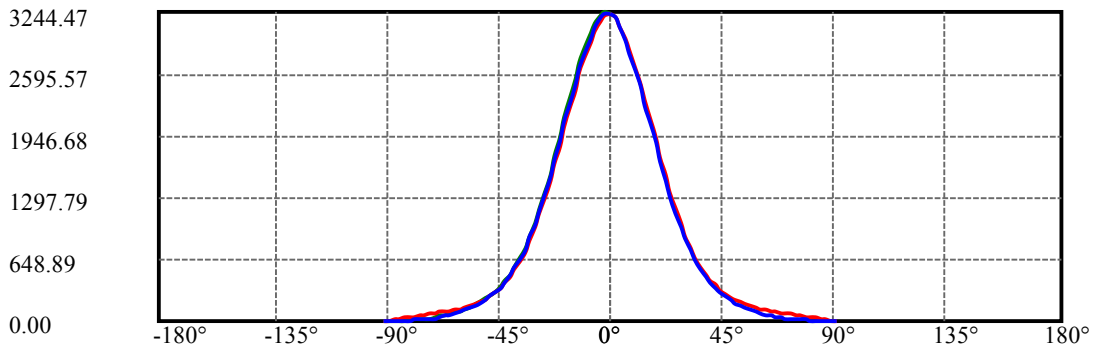
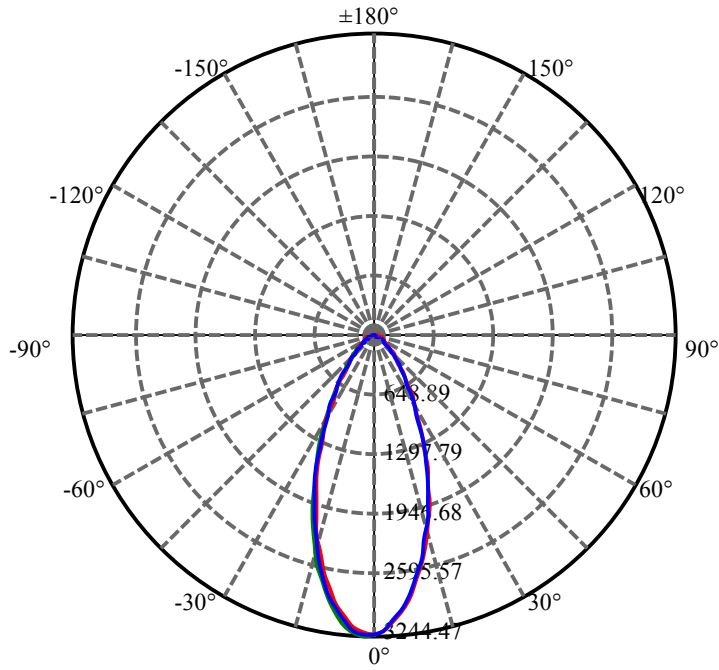
光束扩散角(10%Imax): [C0/180]Total=88.9

[C90/270]Total=87.9

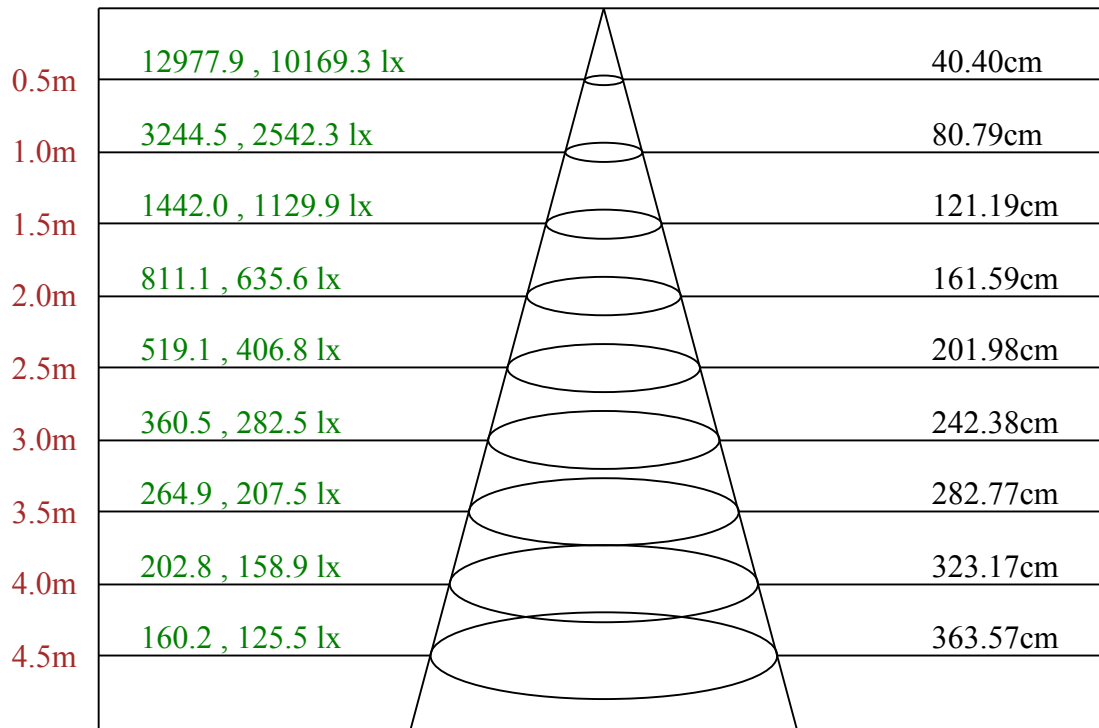
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

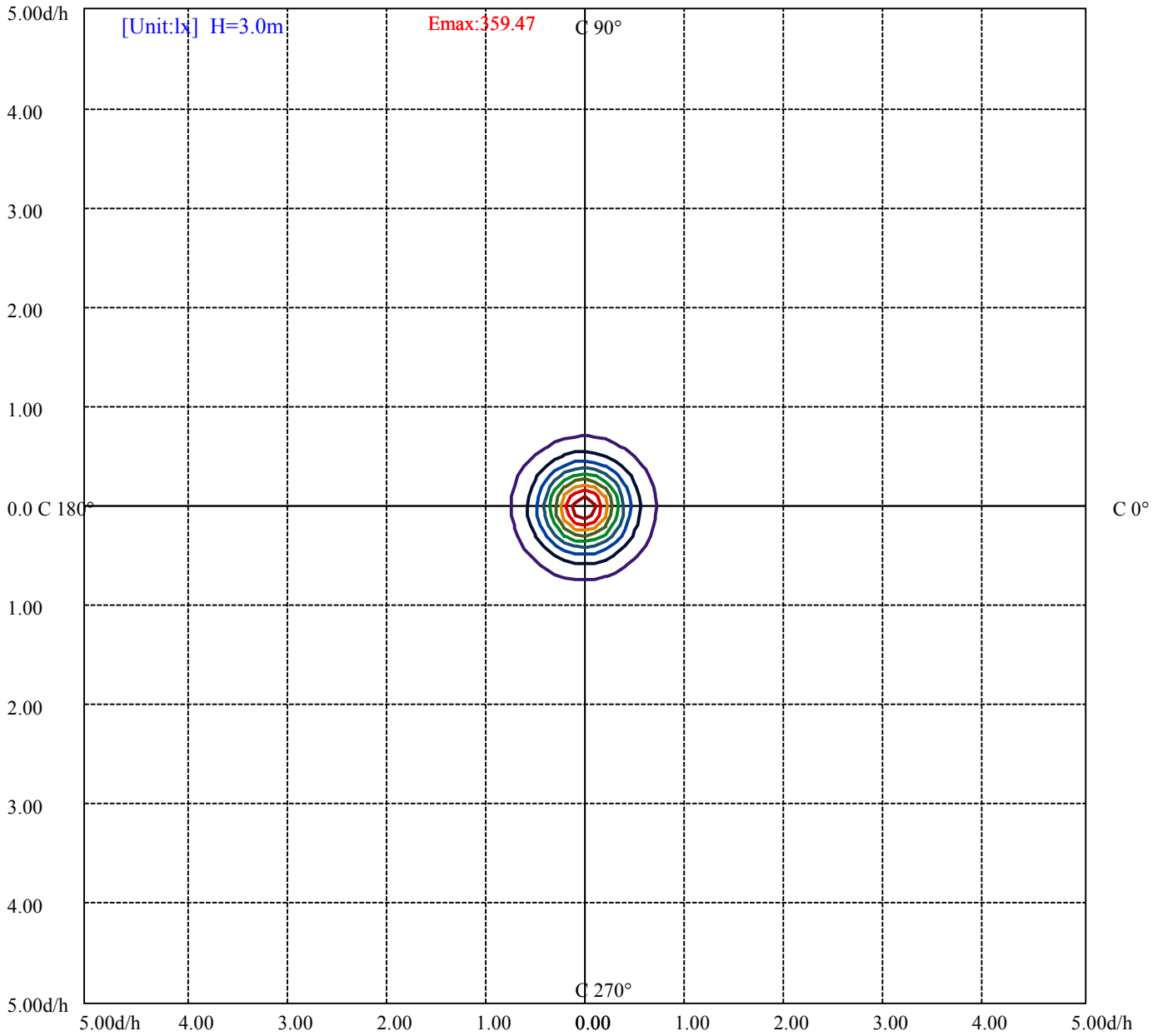


C240(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C240面光束角43.96

ROLED 投光灯
平面等照度曲线



- (10%Emax) 35.94722
- (20%Emax) 71.89444
- (30%Emax) 107.8418
- (40%Emax) 143.7889
- (50%Emax) 179.7367
- (60%Emax) 215.6833
- (70%Emax) 251.6311
- (80%Emax) 287.5778
- (90%Emax) 323.5255

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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

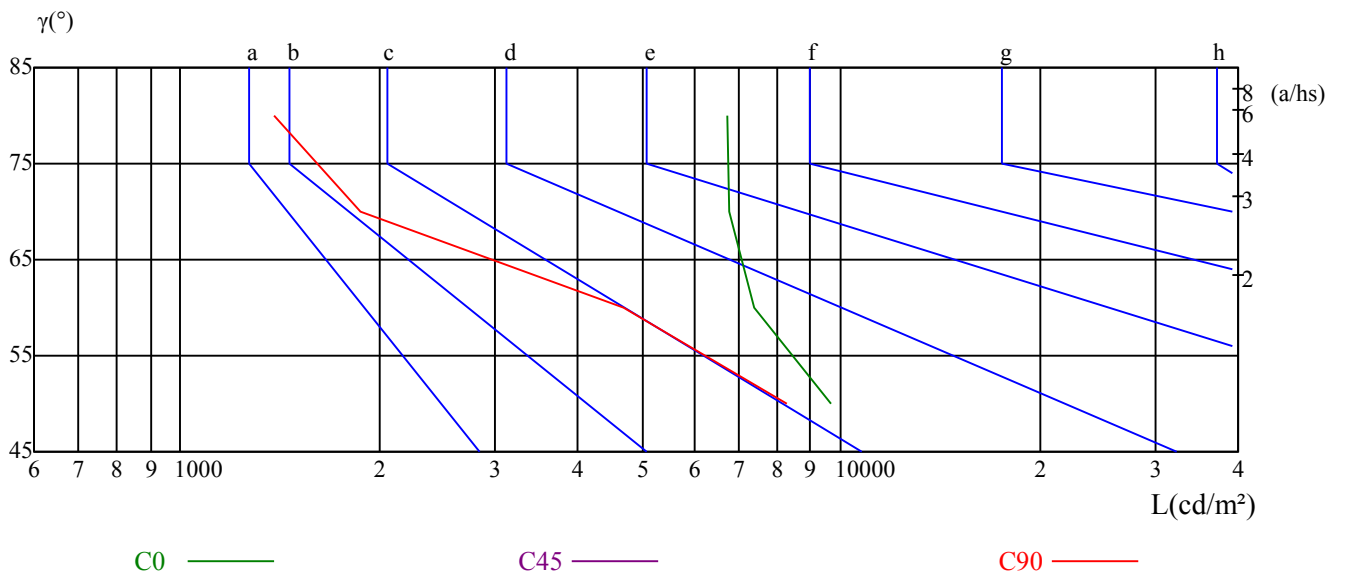
γ	45	50	55	60	65	70	75	80	85
C0	0	9695	0	7419	0	6760	0	6734	0
C45	0	0	0	0	0	0	0	0	0
C90	0	8269	0	4686	0	1878	0	1390	0

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

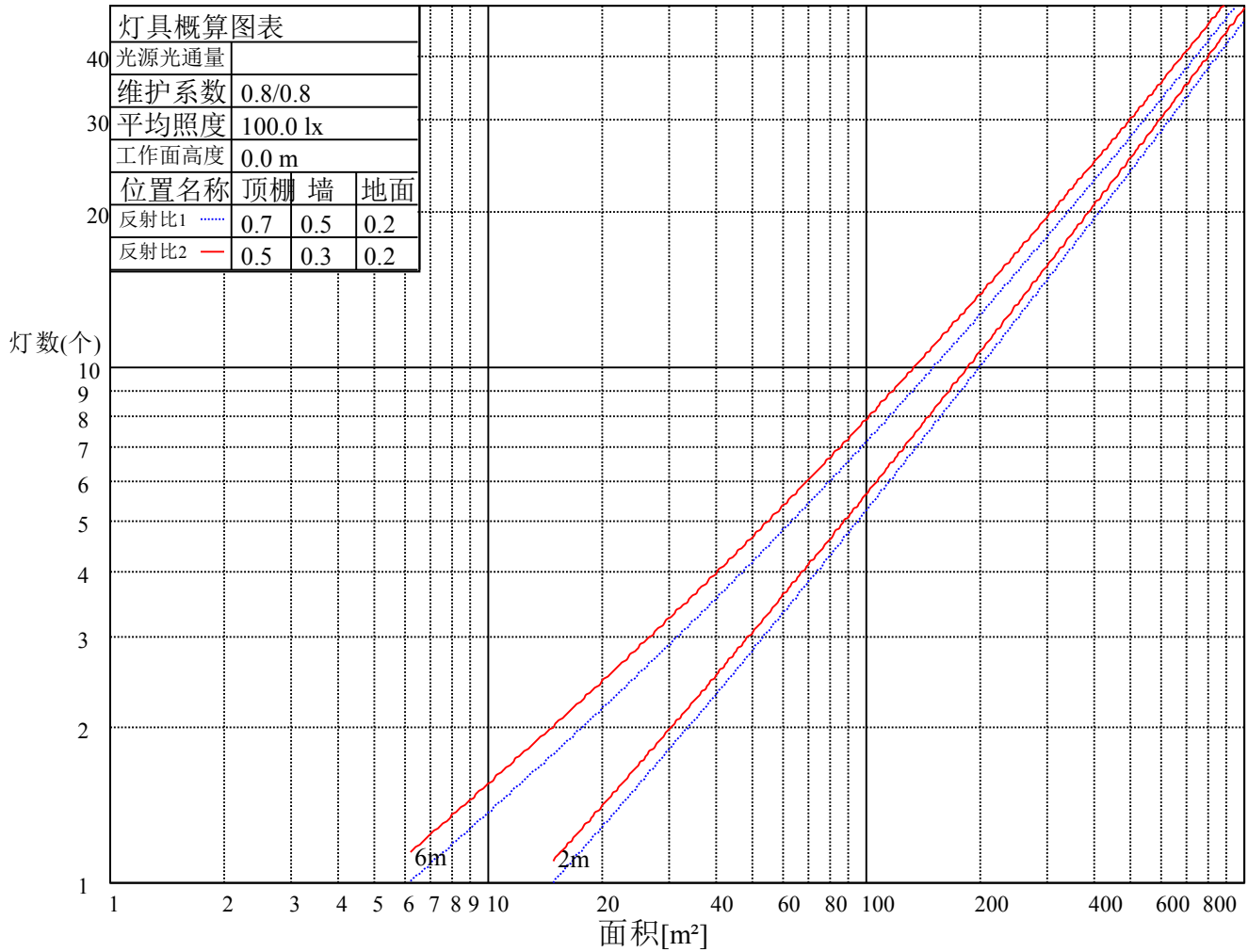
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	11.79	12.97	12.16	13.28	13.60	13.48	14.66	13.84	14.97	15.28
	3H	12.26	13.30	12.64	13.63	14.00	14.97	16.01	15.35	16.34	16.71
	4H	12.33	13.30	12.74	13.65	14.04	15.56	16.54	15.97	16.89	17.27
	6H	12.36	13.25	12.77	13.62	14.01	16.05	16.94	16.46	17.31	17.71
	8H	12.36	13.20	12.79	13.59	14.00	16.23	17.07	16.66	17.46	17.87
	12H	12.40	13.20	12.83	13.58	14.01	16.48	17.28	16.91	17.67	18.10
4H	2H	12.29	13.26	12.69	13.61	14.00	13.70	14.67	14.11	15.02	15.41
	3H	12.83	13.63	13.25	14.04	14.44	15.38	16.17	15.79	16.58	16.98
	4H	12.93	13.64	13.36	14.06	14.51	16.04	16.75	16.47	17.17	17.61
	6H	12.97	13.58	13.43	14.02	14.49	16.52	17.13	16.98	17.58	18.05
	8H	12.98	13.54	13.45	13.99	14.47	16.73	17.30	17.21	17.75	18.22
	12H	13.03	13.53	13.52	14.01	14.49	17.01	17.51	17.50	17.99	18.47
8H	4H	13.08	13.65	13.56	14.10	14.57	15.98	16.55	16.45	17.00	17.47
	6H	13.15	13.60	13.65	14.10	14.59	16.47	16.93	16.98	17.43	17.91
	8H	13.18	13.59	13.71	14.11	14.60	16.72	17.13	17.24	17.64	18.14
	12H	13.88	14.24	14.40	14.74	15.31	17.56	17.92	18.08	18.41	18.99
12H	4H	13.06	13.56	13.55	14.05	14.52	15.93	16.43	16.42	16.91	17.39
	6H	13.58	13.54	13.66	14.01	14.56	16.87	16.83	16.95	17.30	17.85
	8H	13.19	13.55	13.71	14.05	14.62	16.68	17.04	17.20	17.54	18.11
对应照射距离，改变观察者位置S											
S = 1.0H		1.3/-1.8					0.7/-0.9				
S = 1.5H		2.8/-2.9					1.5/-1.3				
S = 2.0H		5.1/-4.6					3.1/-1.4				
标准表格		BK1					BK2				
更正系数		-1.0					1.6				

ROLED 投光灯 灯具的概算曲线



ROLED 投光灯

灯具的利用系数表

附页 第 8页 共10页

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	1.07	1.04	1.07	1.05	1.02	1.03	1.01	0.99	0.99	0.98	0.96	0.96	0.95	0.93	0.92
2	1.01	0.96	0.92	0.99	0.95	0.91	0.95	0.92	0.89	0.92	0.90	0.87	0.90	0.87	0.85	0.83
3	0.93	0.87	0.83	0.91	0.86	0.82	0.89	0.84	0.81	0.86	0.82	0.79	0.84	0.81	0.78	0.76
4	0.86	0.80	0.75	0.85	0.79	0.75	0.82	0.78	0.74	0.80	0.76	0.73	0.79	0.75	0.72	0.70
5	0.80	0.73	0.69	0.79	0.73	0.68	0.77	0.72	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.65
6	0.75	0.68	0.63	0.74	0.68	0.63	0.72	0.67	0.63	0.71	0.66	0.62	0.69	0.65	0.62	0.60
7	0.70	0.63	0.59	0.69	0.63	0.59	0.68	0.62	0.58	0.67	0.62	0.58	0.66	0.61	0.58	0.56
8	0.66	0.59	0.55	0.65	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.54	0.62	0.57	0.54	0.53
9	0.62	0.56	0.52	0.62	0.56	0.51	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.49
10	0.59	0.53	0.48	0.58	0.52	0.48	0.57	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.48	0.47

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	3219.14	3177.70	3091.76	2968.98	2831.62	2667.40	2486.30	2309.80	2111.82
30.0	3239.86	3196.89	3099.43	2983.56	2835.45	2672.00	2482.46	2282.94	2084.96
60.0	3230.65	3165.43	3061.83	2939.82	2784.81	2608.31	2431.05	2226.93	2029.71
90.0	3229.89	3176.17	3075.64	2945.19	2802.46	2631.33	2449.46	2257.62	2068.08
120.0	3219.91	3166.19	3068.74	2945.96	2803.99	2634.40	2464.81	2271.43	2071.15
150.0	3220.68	3193.05	3119.38	3016.56	2886.87	2739.53	2565.34	2385.77	2184.72
180.0	3219.14	3203.79	3141.64	3044.18	2921.40	2770.99	2612.92	2417.23	2233.83
210.0	3239.86	3237.56	3186.15	3093.29	2969.75	2826.25	2658.19	2472.49	2269.13
240.0	3230.65	3244.47	3208.40	3127.82	3022.69	2880.73	2713.44	2532.34	2343.57
270.0	3229.89	3231.42	3182.31	3084.08	2966.68	2824.71	2650.52	2477.09	2280.64
300.0	3219.91	3215.31	3160.05	3067.20	2955.16	2807.83	2635.94	2451.77	2261.46
330.0	3220.68	3188.45	3105.57	3001.21	2865.38	2712.67	2530.81	2350.47	2147.89
360.0	3219.14	3177.70	3091.76	2968.98	2831.62	2667.40	2486.30	2309.80	2111.82
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1911.53	1715.85	1529.38	1344.44	1184.83	1019.08	887.85	767.38	663.01
30.0	1880.07	1679.79	1487.17	1315.28	1148.76	998.36	869.44	750.49	645.36
60.0	1815.61	1623.77	1440.98	1273.31	1108.55	960.91	829.99	719.49	617.81
90.0	1867.03	1676.72	1481.04	1300.70	1134.18	986.85	861.76	740.52	639.99
120.0	1871.63	1681.32	1494.77	1314.52	1153.75	1000.12	872.05	744.74	644.37
150.0	1982.13	1789.52	1588.47	1400.46	1226.27	1075.86	932.36	804.98	698.31
180.0	2036.62	1842.47	1643.72	1462.54	1290.11	1122.52	980.55	838.36	725.40
210.0	2076.52	1870.10	1664.44	1491.24	1309.60	1147.00	990.15	861.92	740.90
240.0	2135.61	1930.72	1733.50	1533.98	1351.35	1176.39	1028.28	891.69	765.84
270.0	2094.17	1892.35	1686.69	1511.65	1326.18	1154.82	1008.26	878.80	752.41
300.0	2055.80	1854.75	1661.37	1468.76	1291.49	1124.97	982.24	851.02	735.91
330.0	1946.83	1756.52	1529.30	1389.72	1217.67	1057.52	918.55	799.15	686.03
360.0	1911.53	1715.85	1529.38	1344.44	1184.83	1019.08	887.85	767.38	663.01
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	570.16	491.12	424.36	376.01	319.00	276.72	244.18	215.94	192.69
30.0	555.58	480.38	412.85	360.90	313.09	272.88	241.11	213.33	189.77
60.0	530.33	458.12	392.05	336.80	289.99	251.70	218.01	189.70	163.60
90.0	549.44	471.94	403.64	346.24	294.75	253.46	216.09	184.17	158.16
120.0	553.05	477.69	409.47	352.00	304.96	262.29	226.84	196.29	169.82
150.0	600.09	514.91	442.78	389.83	333.96	292.29	255.69	225.15	199.44
180.0	623.26	538.70	462.04	397.42	345.17	298.28	258.84	226.15	200.82
210.0	643.37	552.59	473.55	411.24	354.99	307.33	268.89	237.43	209.80
240.0	662.25	569.39	485.75	417.45	363.28	310.63	269.27	232.67	199.98
270.0	652.58	560.57	478.84	406.63	348.77	296.90	253.62	217.55	184.71
300.0	631.55	543.30	463.50	399.04	348.24	298.20	259.07	224.38	192.84
330.0	590.88	511.07	437.86	378.09	326.83	286.08	251.09	222.69	197.45
360.0	570.16	491.12	424.36	376.01	319.00	276.72	244.18	215.94	192.69
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	172.74	155.78	140.58	128.54	117.18	106.67	97.76	88.86	80.11
30.0	170.13	153.94	139.05	125.85	113.03	100.60	88.17	76.12	64.00
60.0	140.58	121.32	105.28	90.01	76.51	64.69	52.57	40.13	27.55
90.0	134.29	112.96	95.08	81.19	68.07	55.17	42.36	30.54	22.25
120.0	145.88	126.39	108.51	92.62	78.58	65.92	54.41	41.82	29.93
150.0	179.18	160.92	144.96	131.14	117.49	105.28	92.62	80.11	67.84
180.0	178.72	159.46	144.42	130.84	119.25	108.66	99.91	91.32	83.34
210.0	188.39	168.98	152.09	137.05	123.47	110.12	97.61	85.49	72.98
240.0	172.35	149.72	127.84	109.43	93.77	79.04	67.22	55.17	41.98
270.0	157.08	132.99	111.50	94.77	80.19	67.45	53.95	41.21	29.85
300.0	165.83	143.88	122.78	104.67	89.86	75.59	63.77	51.03	38.68
330.0	177.26	160.30	144.80	130.61	116.87	104.75	92.39	80.42	68.30
360.0	172.74	155.78	140.58	128.54	117.18	106.67	97.76	88.86	80.11

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	72.21	64.77	56.79	48.57	40.52	31.77	22.79	13.12	3.15
30.0	51.41	39.98	28.09	16.96	8.75	6.29	3.84	2.99	1.69
60.0	18.49	15.27	12.58	9.75	6.91	6.22	5.45	3.45	1.15
90.0	19.41	16.65	13.58	10.36	8.36	7.90	6.60	4.07	1.53
120.0	19.34	15.73	13.12	10.36	7.37	6.45	5.76	3.91	1.69
150.0	55.86	43.28	31.16	19.64	9.75	6.83	4.37	3.07	2.15
180.0	75.05	66.45	58.01	50.34	41.82	33.61	24.86	15.35	4.91
210.0	60.62	48.27	35.53	23.17	12.12	8.13	5.60	3.15	2.53
240.0	29.62	20.34	17.42	14.12	10.97	7.14	6.45	5.68	3.30
270.0	24.17	21.10	17.80	14.04	9.90	8.90	8.29	6.06	3.30
300.0	26.63	19.49	16.50	13.51	10.05	6.83	6.52	5.29	2.92
330.0	56.17	43.13	30.70	19.26	9.90	7.29	4.53	3.07	2.00
360.0	72.21	64.77	56.79	48.57	40.52	31.77	22.79	13.12	3.15

C/γ(°)	90.0
0.0	0.23
30.0	0.23
60.0	0.15
90.0	0.08
120.0	0.00
150.0	0.23
180.0	0.23
210.0	0.77
240.0	0.92
270.0	0.77
300.0	0.46
330.0	0.31
360.0	0.23