

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3653A1-36-36DC-PC-A3(60-CL-36RGBWN-AA, L1000mm, C, CT)

报告编号:

电压(V): 36.0000

测试编号: 202104070010

电流(A): 1.6970

光源规格型号: CL

功率(W): 61.1000

每个光源光通量(lm)

功率因数: 1.0360

光源数量: 36

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 30

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 2861.46

灯具效能(lm/w): 46.83

中心光强(cd): 2780.971

最大光强(cd): 2863.080

最大光强角度: C=210.0  $\gamma$ =6.0

半峰边角(50%Imax): [C0/180]Total=58.2

[C90/270]Total=54.7

光束扩散角(10%Imax): [C0/180]Total=100.9

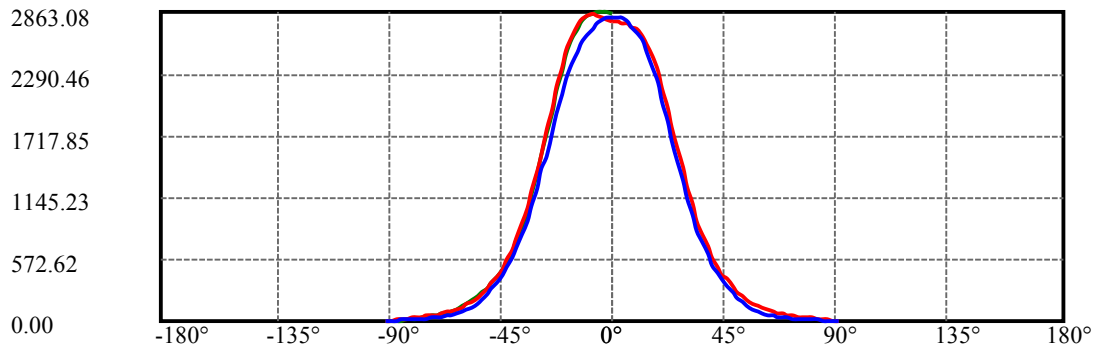
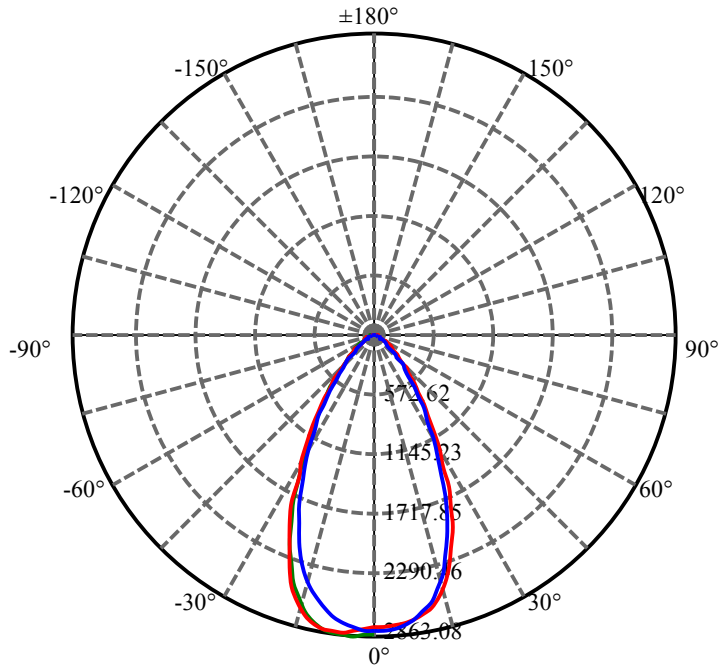
[C90/270]Total=96.0

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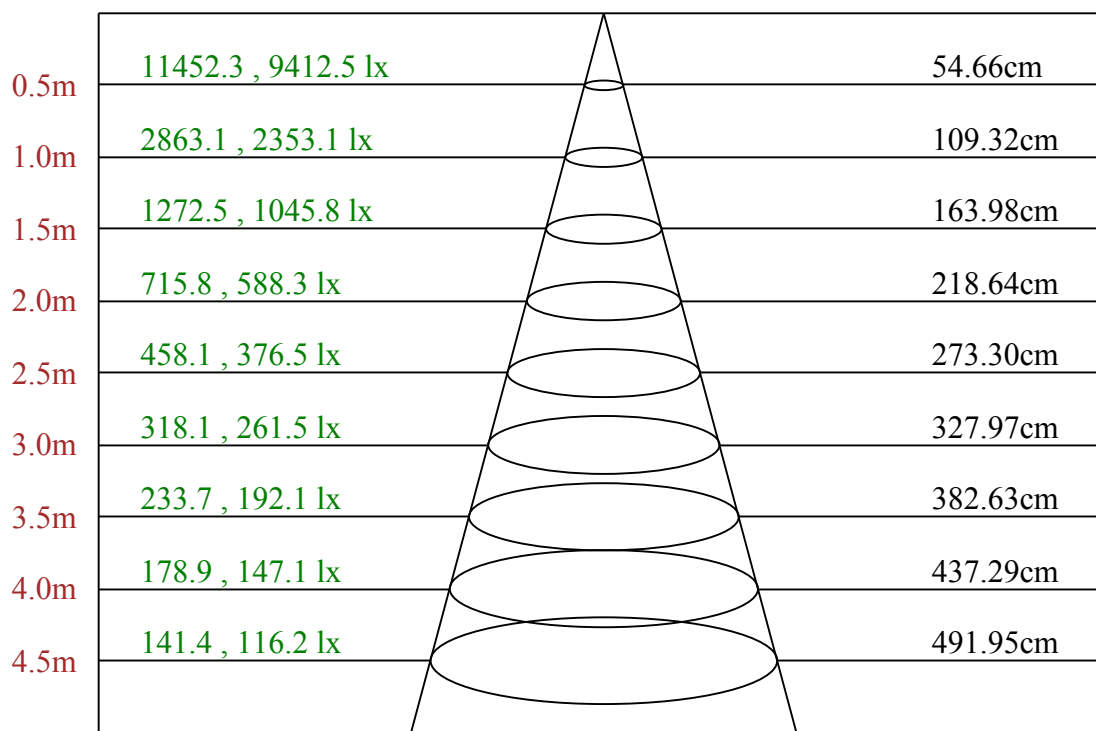
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/7  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

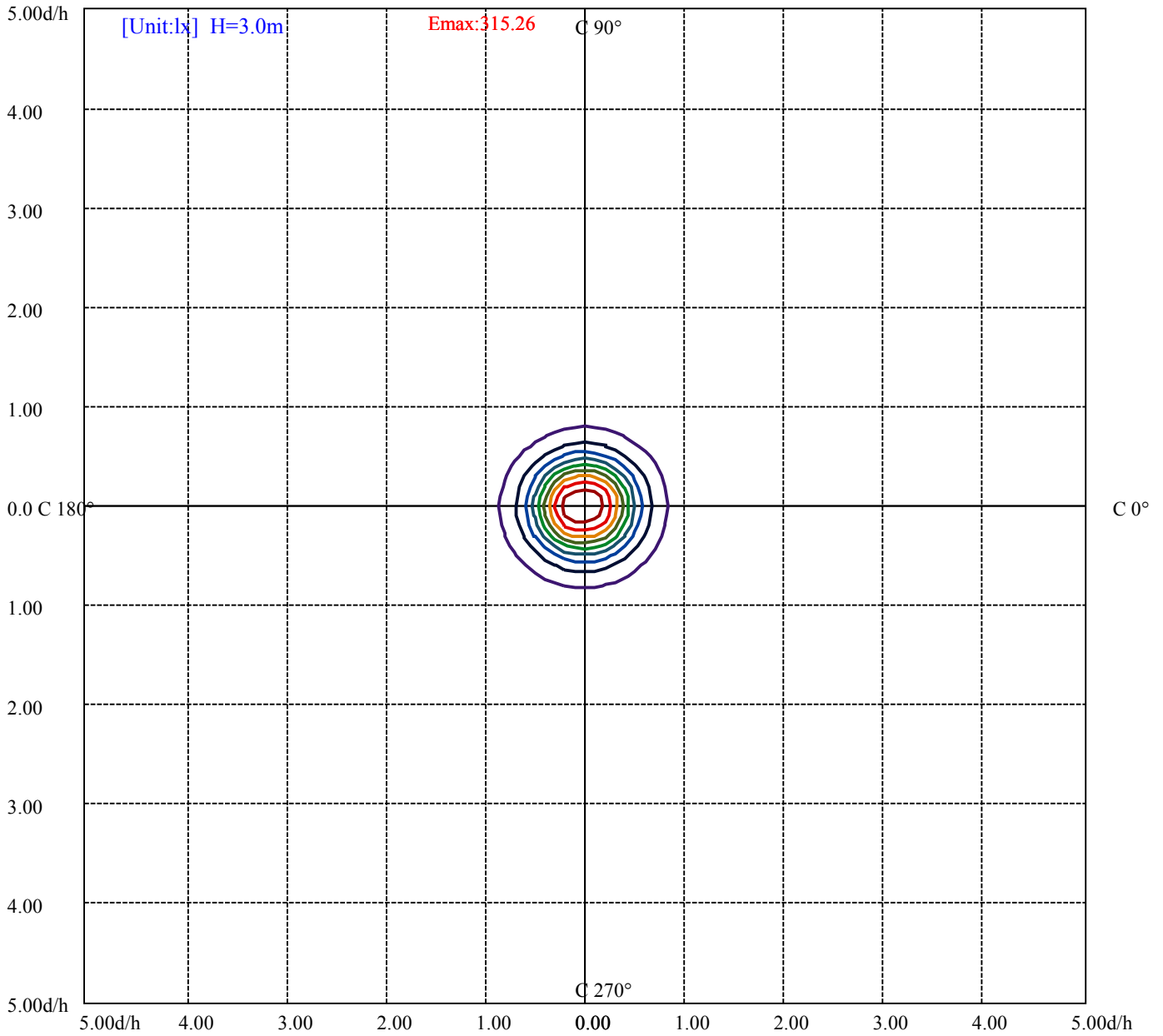


C210(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C210面光束角57.32

ROLED 投光灯  
平面等照度曲线



(10%Emax) 31.52633	—
(20%Emax) 63.05267	—
(30%Emax) 94.579	—
(40%Emax) 126.1056	—
(50%Emax) 157.6322	—
(60%Emax) 189.1578	—
(70%Emax) 220.6844	—
(80%Emax) 252.2111	—
(90%Emax) 283.7367	—

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

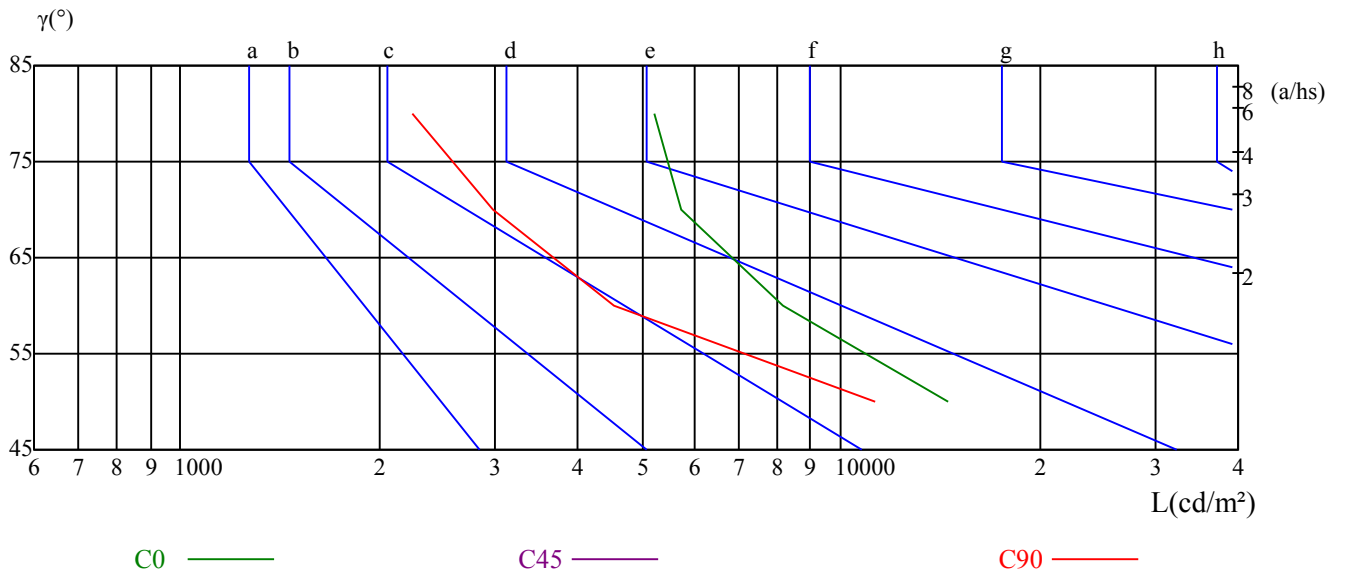
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	14509	0	8164	0	5724	0	5231	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11272	0	4536	0	2984	0	2240	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
27252	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

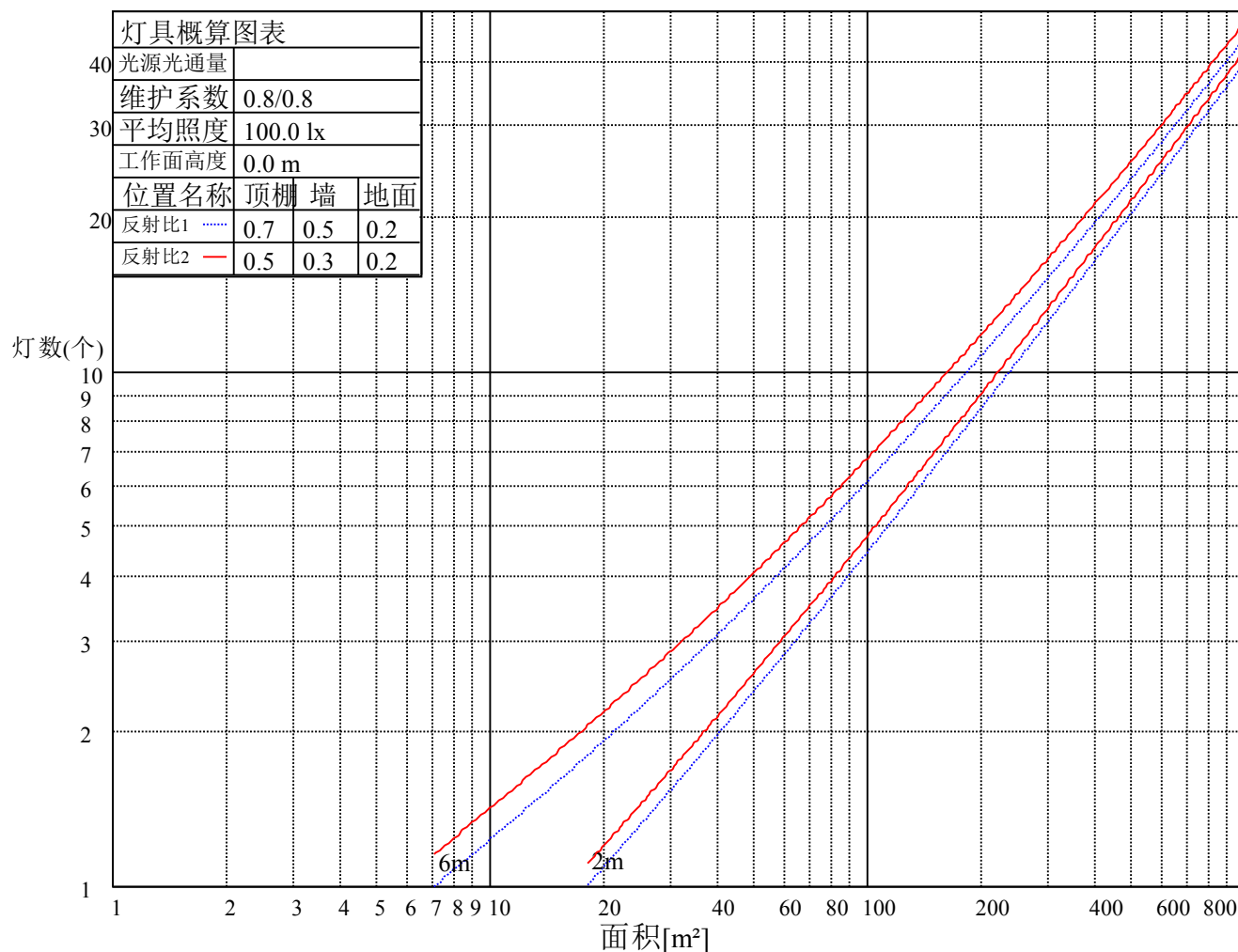
亮度限制曲线



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	11.14	12.31	11.51	12.62	12.93	13.38	14.54	13.74	14.85	15.17
	3H	11.66	12.69	12.04	13.02	13.38	14.17	15.20	14.55	15.53	15.90
	4H	11.79	12.75	12.20	13.10	13.49	14.48	15.43	14.88	15.78	16.17
	6H	11.86	12.74	12.28	13.11	13.50	14.73	15.61	15.15	15.98	16.37
	8H	11.88	12.70	12.31	13.10	13.50	14.83	15.65	15.26	16.04	16.45
	12H	11.94	12.72	12.37	13.11	13.54	14.97	15.75	15.40	16.14	16.57
4H	2H	11.46	12.41	11.87	12.76	13.15	13.43	14.38	13.84	14.74	15.12
	3H	12.12	12.90	12.54	13.31	13.71	14.40	15.17	14.81	15.58	15.99
	4H	12.31	13.00	12.75	13.43	13.87	14.78	15.47	15.22	15.89	16.34
	6H	12.40	13.00	12.87	13.45	13.92	15.07	15.66	15.53	16.11	16.58
	8H	12.44	12.99	12.91	13.44	13.91	15.19	15.75	15.67	16.20	16.67
	12H	12.51	12.99	13.00	13.48	13.96	15.36	15.85	15.85	16.33	16.81
8H	4H	12.42	12.97	12.89	13.42	13.89	14.74	15.29	15.21	15.74	16.21
	6H	12.55	12.99	13.05	13.49	13.97	15.06	15.50	15.56	16.00	16.49
	8H	12.61	13.01	13.14	13.53	14.02	15.22	15.62	15.75	16.14	16.63
	12H	13.20	13.55	13.72	14.04	14.62	15.94	16.29	16.45	16.78	17.36
12H	4H	12.39	12.88	12.88	13.36	13.84	14.69	15.18	15.18	15.66	16.14
	6H	12.96	12.94	13.07	13.40	13.95	15.44	15.41	15.55	15.88	16.43
	8H	12.63	12.98	13.15	13.48	14.05	15.19	15.54	15.71	16.04	16.62
对应照射距离，改变观察者位置S											
S = 1.0H	1.7/-2.7					1.3/-1.7					
S = 1.5H	3.5/-4.5					2.7/-2.7					
S = 2.0H	5.6/-4.9					4.9/-3.0					
标准表格	BK1					BK2					
更正系数	0.1					2.2					

# 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	1.09	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	0.84
3	0.93	0.87	0.82	0.91	0.86	0.82	0.88	0.84	0.80	0.86	0.82	0.79	0.84	0.81	0.78	0.76
4	0.86	0.79	0.75	0.84	0.79	0.74	0.82	0.77	0.73	0.80	0.76	0.72	0.78	0.75	0.72	0.70
5	0.79	0.73	0.68	0.78	0.72	0.68	0.77	0.71	0.67	0.75	0.70	0.67	0.73	0.69	0.66	0.64
6	0.74	0.67	0.63	0.73	0.67	0.62	0.72	0.66	0.62	0.70	0.65	0.61	0.69	0.64	0.61	0.59
7	0.69	0.62	0.58	0.68	0.62	0.58	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.55
8	0.65	0.58	0.54	0.64	0.58	0.54	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
9	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.57	0.53	0.49	0.48
10	0.57	0.51	0.47	0.57	0.51	0.47	0.56	0.50	0.47	0.55	0.50	0.46	0.54	0.50	0.46	0.45



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	2780.97	2769.46	2761.02	2747.97	2727.25	2694.26	2639.01	2559.20	2447.16
30.0	2847.73	2840.83	2830.85	2816.27	2790.18	2747.21	2685.82	2599.87	2484.00
60.0	2827.01	2823.18	2807.06	2778.67	2735.70	2678.14	2598.34	2490.90	2365.05
90.0	2812.43	2813.20	2800.92	2774.06	2729.56	2668.93	2589.13	2482.46	2349.71
120.0	2802.46	2807.06	2803.99	2788.64	2756.41	2708.84	2635.17	2534.64	2405.72
150.0	2787.11	2798.62	2810.90	2816.27	2810.90	2787.88	2744.14	2669.70	2570.71
180.0	2780.97	2797.09	2817.04	2833.15	2840.06	2832.38	2800.16	2736.46	2635.94
210.0	2847.73	2854.64	2861.55	2863.08	2853.10	2827.78	2780.20	2705.00	2606.01
240.0	2827.01	2825.48	2816.27	2800.92	2770.99	2724.95	2662.79	2586.82	2478.62
270.0	2812.43	2802.46	2784.04	2752.58	2711.14	2648.21	2579.15	2487.07	2379.63
300.0	2802.46	2790.95	2773.30	2750.28	2714.98	2668.93	2602.17	2517.76	2408.03
330.0	2787.11	2777.90	2770.23	2755.65	2733.39	2694.26	2635.94	2550.76	2438.72
360.0	2780.97	2769.46	2761.02	2747.97	2727.25	2694.26	2639.01	2559.20	2447.16
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2317.48	2158.63	1975.23	1797.19	1607.65	1415.04	1237.78	1082.77	928.52
30.0	2341.26	2185.49	2000.55	1805.64	1618.40	1423.48	1248.52	1080.47	928.52
60.0	2211.58	2034.31	1844.77	1663.67	1478.96	1302.16	1131.73	974.72	835.21
90.0	2203.14	2029.71	1852.45	1662.90	1476.43	1293.80	1134.18	979.94	841.04
120.0	2261.46	2084.96	1894.65	1707.41	1519.56	1336.77	1159.27	995.90	850.48
150.0	2426.44	2273.74	2087.26	1897.72	1693.60	1488.71	1304.54	1125.74	966.89
180.0	2513.16	2351.24	2165.54	1979.83	1774.94	1531.15	1385.73	1211.69	1044.09
210.0	2474.79	2312.87	2138.68	1943.76	1738.11	1525.54	1361.33	1177.46	1020.92
240.0	2355.08	2203.14	2026.64	1841.70	1659.83	1465.69	1284.59	1124.21	966.13
270.0	2247.64	2092.63	1921.51	1751.92	1531.22	1397.16	1234.94	1072.02	931.52
300.0	2284.48	2133.31	1957.58	1784.92	1599.98	1408.90	1231.64	1076.63	920.08
330.0	2310.57	2151.72	1982.90	1797.96	1601.51	1426.78	1245.14	1072.95	920.62
360.0	2317.48	2158.63	1975.23	1797.19	1607.65	1415.04	1237.78	1082.77	928.52
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	803.44	689.10	586.28	501.86	433.57	389.06	318.46	274.18	232.13
30.0	796.54	686.80	587.81	503.40	435.87	388.29	324.83	276.87	239.42
60.0	720.95	615.28	523.20	448.68	380.85	322.37	272.80	231.29	192.61
90.0	723.64	615.44	521.82	441.24	389.06	313.78	261.91	213.02	170.74
120.0	731.85	622.50	527.95	451.60	382.54	323.37	273.49	231.90	193.23
150.0	826.46	712.12	608.53	520.28	448.91	390.59	334.42	285.00	246.56
180.0	903.59	772.44	658.79	562.72	484.67	413.85	353.38	303.57	257.45
210.0	878.42	750.26	646.51	554.81	474.16	406.94	352.84	302.35	259.91
240.0	829.53	712.12	609.30	519.51	441.24	389.83	320.92	274.18	227.99
270.0	800.99	682.12	580.21	493.35	419.91	354.30	298.97	246.71	200.75
300.0	794.23	679.13	575.53	489.59	416.69	355.91	302.35	258.22	216.78
330.0	795.31	677.75	583.28	500.41	428.04	367.80	319.61	274.41	236.81
360.0	803.44	689.10	586.28	501.86	433.57	389.06	318.46	274.18	232.13
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	198.52	166.37	141.27	120.02	103.06	88.02	76.05	66.61	57.55
30.0	205.04	175.42	147.41	123.01	103.21	86.18	72.52	61.08	51.34
60.0	160.23	130.15	104.21	83.18	67.84	55.71	47.19	40.75	34.53
90.0	135.06	106.59	83.18	66.68	55.86	47.65	41.59	35.76	30.00
120.0	159.31	130.76	105.05	84.03	67.84	56.33	47.65	41.05	34.76
150.0	211.18	180.72	151.94	126.69	106.28	88.63	74.36	62.62	52.72
180.0	219.24	182.87	155.01	130.53	110.43	94.85	81.34	70.91	61.24
210.0	225.30	191.84	163.53	137.36	113.49	94.23	79.42	66.53	56.02
240.0	193.07	159.46	130.91	105.90	84.56	68.45	56.33	47.27	40.13
270.0	163.99	129.92	101.91	80.19	65.07	54.10	46.58	40.06	34.22
300.0	182.33	150.87	124.08	100.76	80.96	65.84	54.02	45.81	38.75
330.0	205.89	175.81	150.56	127.15	105.51	87.71	74.28	62.46	52.41
360.0	198.52	166.37	141.27	120.02	103.06	88.02	76.05	66.61	57.55

# 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	50.80	44.28	38.37	32.54	26.70	21.03	15.27	9.52	3.68
30.0	41.67	32.84	25.40	18.65	12.97	7.37	3.99	3.30	1.46
60.0	28.47	21.79	15.65	10.97	9.13	7.98	5.22	2.46	0.69
90.0	24.63	19.57	14.96	11.97	11.43	9.75	6.75	3.76	0.77
120.0	28.47	22.18	16.11	11.28	9.06	8.29	6.22	3.61	1.00
150.0	43.05	34.38	26.24	19.26	13.35	8.06	4.07	3.38	1.61
180.0	53.72	46.89	40.82	34.76	28.78	23.10	17.42	11.74	5.91
210.0	46.66	37.06	28.85	21.03	14.89	9.13	4.76	3.53	2.38
240.0	34.22	28.16	21.87	15.58	10.82	8.59	7.90	6.14	3.53
270.0	28.62	23.10	18.26	13.81	11.36	10.67	9.29	6.98	3.68
300.0	32.69	26.63	20.57	14.43	10.05	8.29	7.44	5.76	3.22
330.0	43.82	34.76	26.47	19.41	13.43	8.06	4.22	3.22	1.84
360.0	50.80	44.28	38.37	32.54	26.70	21.03	15.27	9.52	3.68

C/γ(°)	90.0
0.0	0.15
30.0	0.15
60.0	0.15
90.0	0.00
120.0	0.08
150.0	0.08
180.0	0.38
210.0	0.46
240.0	0.77
270.0	0.77
300.0	0.61
330.0	0.15
360.0	0.15