

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2032A-108-UN(5015-OL-108WN-AA, CT)

报告编号:

电压(V): 218.3000

测试编号: 20210424001

电流(A): 0.5500

光源规格型号: OL

功率(W): 118.5000

每个光源光通量(lm)

功率因数: 0.9870

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

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): 11137.12

灯具效能(lm/w): 93.98

中心光强(cd): 32483.030

最大光强(cd): 33227.380

最大光强角度:  $C=30.0$   $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=50.2

[C90/270]Total=12.0

光束扩散角(10%Imax): [C0/180]Total=77.3

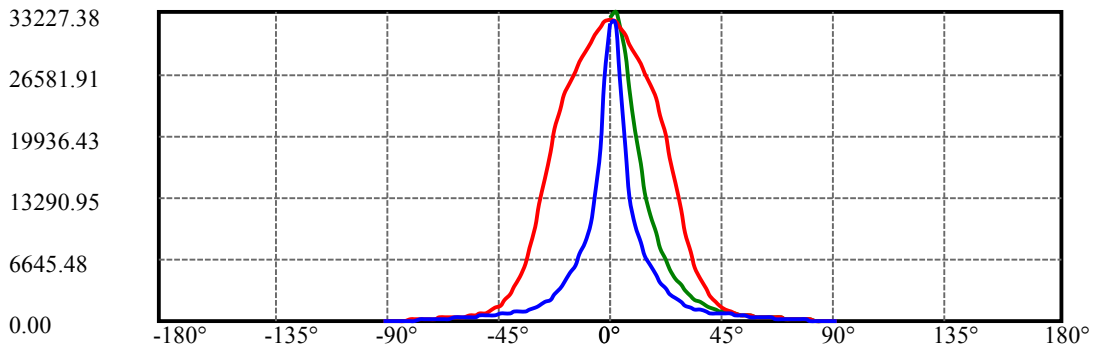
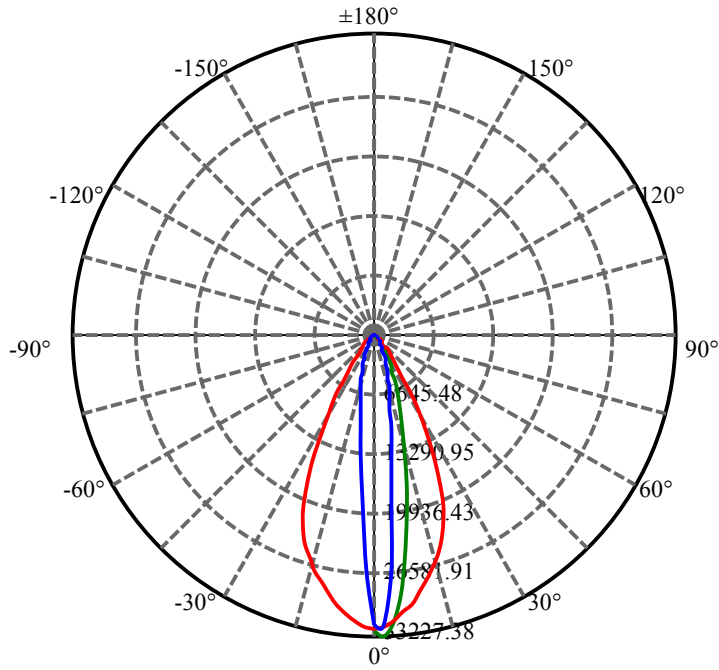
[C90/270]Total=43.8

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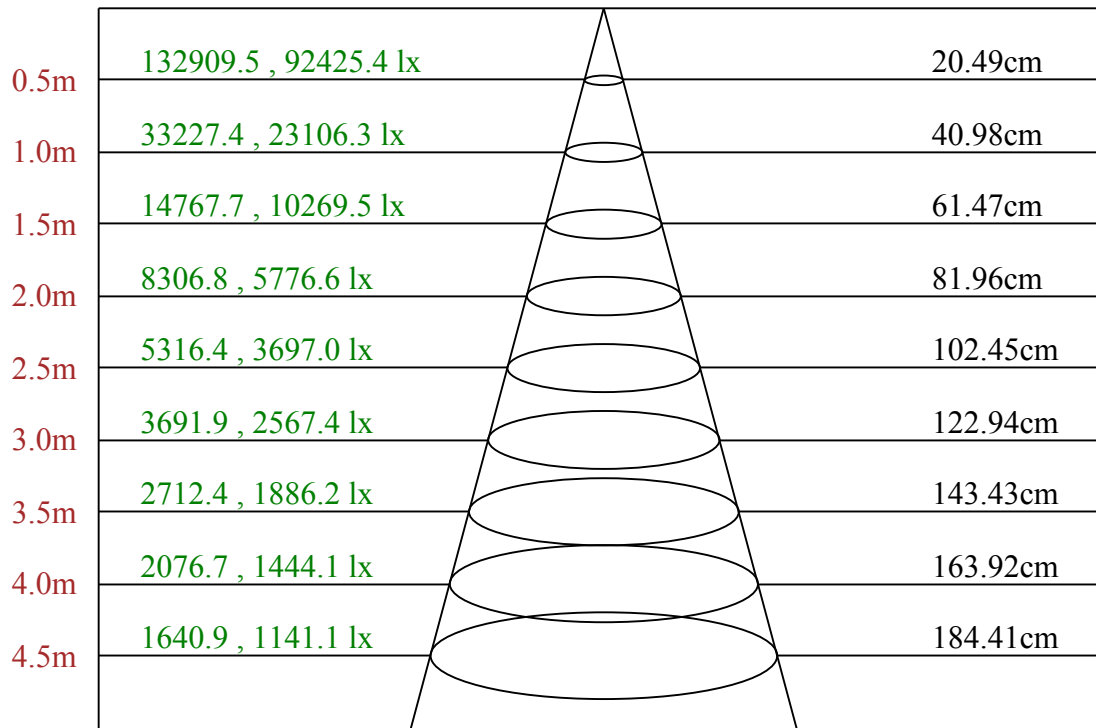
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/24  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

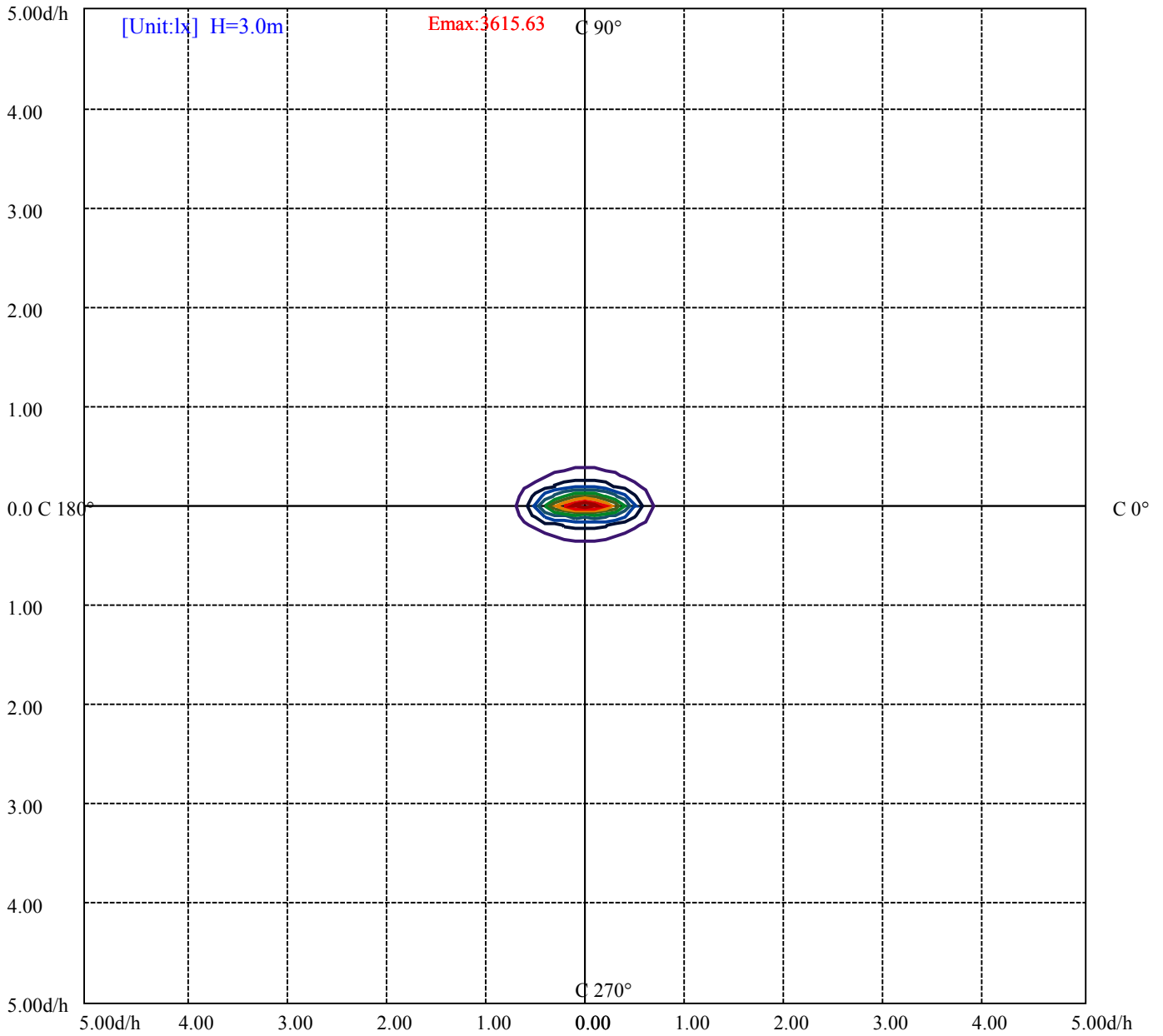


C30(Max): ———  
C0/C180: ———  
C90/C270: ———



Max , Ave    C30面光束角23.14

ROLED 投光灯  
平面等照度曲线



(10%Emax) 361.5622	—
(20%Emax) 723.1245	—
(30%Emax) 1084.687	—
(40%Emax) 1446.245	—
(50%Emax) 1807.811	—
(60%Emax) 2169.378	—
(70%Emax) 2530.933	—
(80%Emax) 2892.5	—
(90%Emax) 3254.056	—

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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

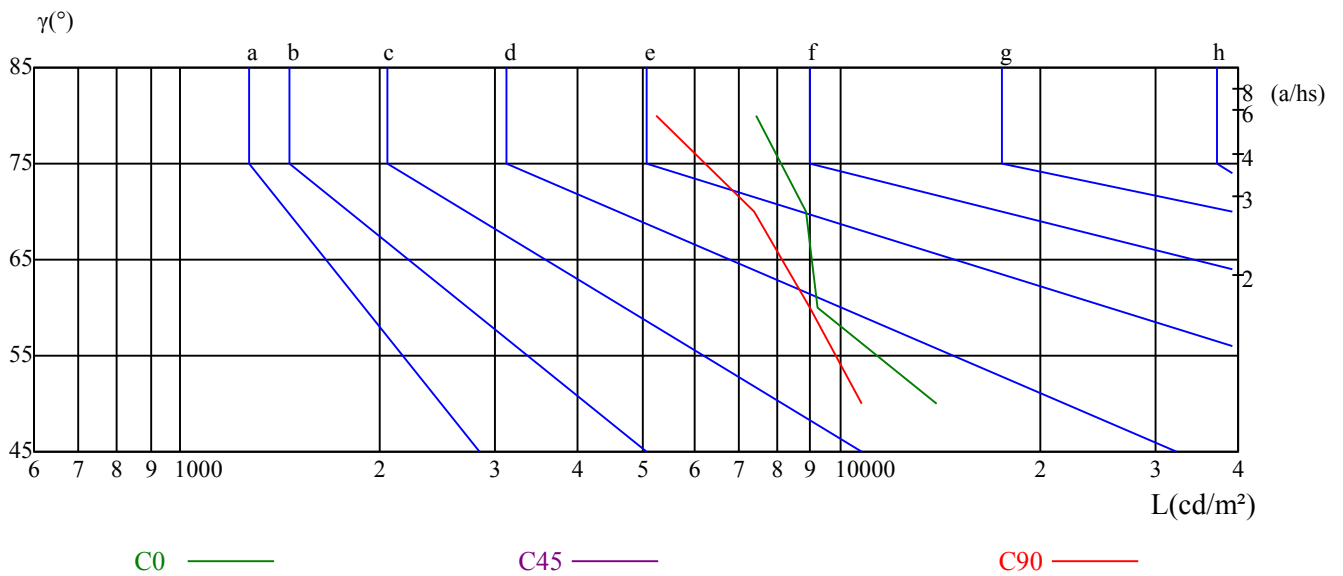
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	14004	0	9248	0	8891	0	7464	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10778	0	8986	0	7402	0	5269	0

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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		a	b	c	d	e	f	g	h

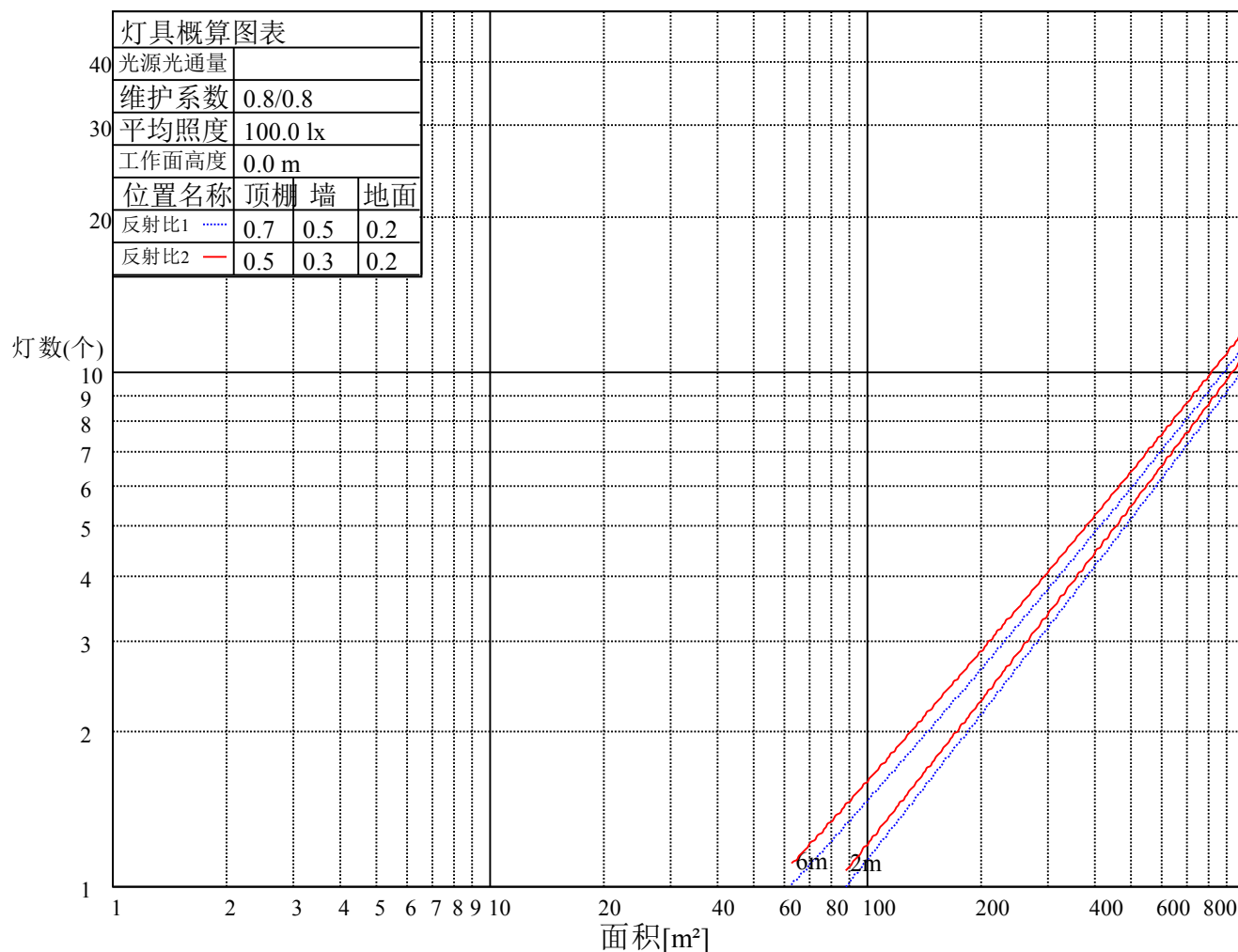
亮度限制曲线



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	7.65	8.75	8.02	9.06	9.38	8.06	9.15	8.42	9.47	9.78
	3H	9.03	10.00	9.41	10.33	10.70	9.73	10.70	10.11	11.03	11.40
	4H	9.45	10.35	9.86	10.71	11.10	10.37	11.28	10.78	11.63	12.02
	6H	9.67	10.50	10.09	10.87	11.27	10.83	11.65	11.25	12.03	12.42
	8H	9.70	10.47	10.13	10.87	11.27	10.95	11.73	11.38	12.12	12.53
	12H	9.69	10.44	10.13	10.82	11.25	11.06	11.80	11.49	12.19	12.62
4H	2H	8.21	9.11	8.62	9.47	9.85	8.53	9.44	8.94	9.79	10.18
	3H	9.82	10.56	10.24	10.97	11.38	10.42	11.16	10.84	11.57	11.97
	4H	10.36	11.02	10.79	11.44	11.89	11.18	11.85	11.62	12.27	12.71
	6H	10.60	11.17	11.07	11.62	12.09	11.65	12.22	12.12	12.67	13.14
	8H	10.64	11.17	11.12	11.62	12.09	11.81	12.34	12.28	12.79	13.26
	12H	10.64	11.10	11.13	11.59	12.06	11.92	12.38	12.41	12.87	13.34
8H	4H	10.61	11.14	11.08	11.59	12.06	11.35	11.88	11.82	12.33	12.80
	6H	10.95	11.38	11.46	11.88	12.36	11.93	12.35	12.44	12.85	13.34
	8H	11.03	11.41	11.56	11.93	12.42	12.14	12.52	12.67	13.04	13.53
	12H	11.63	11.95	12.15	12.45	13.03	12.76	13.08	13.28	13.58	14.16
12H	4H	10.61	11.07	11.10	11.56	12.03	11.33	11.78	11.81	12.27	12.75
	6H	11.35	11.36	11.52	11.83	12.38	12.30	12.30	12.46	12.77	13.32
	8H	11.10	11.42	11.62	11.92	12.50	12.17	12.50	12.69	13.00	13.57
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					2.5/-1.4					
S = 1.5H	0.8/-0.9					4.0/-1.6					
S = 2.0H	1.5/-1.2					5.5/-1.7					
标准表格	BK3					BK3					
更正系数	1.5					3.4					

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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	1.10	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.95	0.94	0.92
2	1.02	0.98	0.94	1.00	0.96	0.93	0.97	0.94	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.95	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.79	0.88	0.82	0.78	0.85	0.81	0.77	0.83	0.80	0.76	0.82	0.78	0.76	0.74
5	0.83	0.77	0.73	0.82	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.71	0.77	0.74	0.71	0.69
6	0.79	0.73	0.68	0.78	0.72	0.68	0.76	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.65
7	0.74	0.69	0.64	0.74	0.68	0.64	0.73	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
8	0.71	0.65	0.61	0.70	0.65	0.61	0.69	0.64	0.60	0.68	0.64	0.60	0.67	0.63	0.60	0.59
9	0.67	0.62	0.58	0.67	0.61	0.58	0.66	0.61	0.57	0.65	0.61	0.57	0.64	0.60	0.57	0.56
10	0.64	0.59	0.55	0.64	0.59	0.55	0.63	0.58	0.55	0.62	0.58	0.55	0.62	0.57	0.54	0.53



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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	32483.03	32229.79	31646.59	30748.76	29820.23	28684.51	27640.88	26528.19	25354.10
30.0	32559.76	33227.38	31815.41	28707.54	24886.00	20481.27	16820.88	13797.42	11433.90
60.0	32521.39	32222.12	27103.72	20389.18	15066.66	11547.47	9457.91	7841.05	6637.04
90.0	31930.52	31876.80	26152.17	18593.52	13513.49	10382.60	8487.18	7105.90	6008.55
120.0	32605.81	32114.69	27011.64	20412.20	14932.37	11655.67	9474.79	7946.95	6671.57
150.0	32529.07	32912.76	31362.66	28277.81	24394.88	20604.05	17089.46	14150.41	11848.29
180.0	32483.03	32268.16	31669.61	30802.47	29850.93	28822.64	27855.75	26796.77	25653.38
210.0	32559.76	30119.51	26121.48	22123.45	18271.22	15021.39	12654.03	10640.44	8975.23
240.0	32521.39	27970.86	21486.53	15715.86	12262.67	9906.82	8256.97	7006.14	5954.84
270.0	31930.52	26067.76	18478.41	13503.52	10460.10	8537.83	7226.38	6072.25	5095.38
300.0	32605.81	28469.65	21808.83	16253.02	12477.53	10114.02	8303.01	7067.53	5947.16
330.0	32529.07	30280.66	26858.16	22883.15	19099.99	15274.62	13328.55	11174.53	9371.20
360.0	32483.03	32229.79	31646.59	30748.76	29820.23	28684.51	27640.88	26528.19	25354.10
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	23888.41	22146.47	20066.88	17496.17	14779.66	11978.74	9584.53	7481.92	5801.36
30.0	9484.77	7850.26	6576.41	5471.39	4573.56	3898.27	3254.44	2747.21	2345.10
60.0	5546.59	4690.20	3918.99	3273.63	2749.51	2295.99	1952.20	1647.56	1440.06
90.0	5041.66	4182.20	3479.28	2868.45	2396.52	1983.67	1699.74	1469.53	1298.40
120.0	5632.54	4727.04	3988.05	3335.02	2774.83	2338.19	1972.16	1678.25	1455.56
150.0	9876.13	8249.29	6875.69	5809.04	4872.84	4105.46	3489.26	2949.79	2520.83
180.0	24348.84	22768.05	20657.76	18140.77	15303.78	12620.27	10169.27	7808.82	6090.66
210.0	7694.48	6528.07	5554.27	4717.06	3997.26	3381.06	2879.19	2470.18	2099.54
240.0	5003.29	4205.22	3538.37	2941.35	2463.28	2063.47	1764.96	1521.71	1334.47
270.0	4225.17	3469.31	2833.15	2363.52	1973.69	1659.83	1446.12	1266.32	1129.88
300.0	5003.29	4243.59	3537.60	2969.75	2461.74	2076.52	1786.45	1547.03	1342.91
330.0	7978.41	6726.05	5697.00	4816.82	4070.16	3437.08	2944.42	2501.65	2128.70
360.0	23888.41	22146.47	20066.88	17496.17	14779.66	11978.74	9584.53	7481.92	5801.36
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	4443.11	3422.50	2619.05	2059.64	1621.47	1274.61	1032.12	842.58	705.22
30.0	1998.25	1710.48	1471.06	1279.98	1110.39	976.10	859.46	761.24	678.36
60.0	1262.33	1127.43	1013.55	921.16	846.65	778.73	719.65	666.77	621.11
90.0	1159.51	1009.87	920.85	846.42	794.23	747.42	745.12	648.43	625.41
120.0	1282.52	1136.02	1024.06	928.14	847.57	778.66	722.41	669.92	622.42
150.0	2129.47	1834.80	1573.12	1363.63	1177.92	1022.91	901.67	793.47	702.15
180.0	4675.62	3632.76	2792.48	2197.76	1718.15	1360.48	1084.07	883.56	729.93
210.0	1811.77	1525.62	1345.13	1174.16	1020.92	892.77	789.86	705.07	629.17
240.0	1180.22	1061.28	959.99	880.95	811.12	746.66	694.48	646.13	597.79
270.0	1016.39	931.90	857.47	799.53	744.97	694.71	650.35	604.39	559.19
300.0	1186.36	1068.19	963.06	877.88	806.51	746.66	689.87	643.83	596.25
330.0	1840.17	1528.31	1377.67	1194.57	1039.79	910.11	808.97	716.81	638.76
360.0	4443.11	3422.50	2619.05	2059.64	1621.47	1274.61	1032.12	842.58	705.22
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	608.53	545.60	478.08	432.80	400.57	370.41	342.40	315.31	284.62
30.0	608.53	552.51	502.63	464.26	425.89	391.36	361.28	328.82	296.05
60.0	576.68	537.01	498.26	461.04	423.67	384.15	346.62	306.72	270.96
90.0	584.74	508.00	460.43	420.52	388.29	343.02	305.80	269.73	236.97
120.0	580.83	539.54	502.48	463.42	428.58	392.59	354.30	315.62	276.79
150.0	624.64	564.02	512.61	471.17	432.80	397.50	367.42	334.73	295.75
180.0	627.56	562.79	490.66	443.70	406.86	376.32	346.70	319.92	291.07
210.0	569.32	514.68	468.71	429.42	394.51	359.36	326.98	296.44	264.59
240.0	554.81	517.21	467.33	429.73	396.73	358.52	321.30	282.24	241.57
270.0	495.80	456.74	415.92	374.56	335.11	297.43	262.75	231.36	199.82
300.0	552.51	514.91	473.47	438.94	402.87	365.12	325.14	286.23	251.70
330.0	577.83	523.81	479.38	441.39	407.25	373.10	342.10	308.95	267.35
360.0	608.53	545.60	478.08	432.80	400.57	370.41	342.40	315.31	284.62

# 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	253.00	220.08	184.94	151.02	121.32	85.72	53.10	19.11	2.69
30.0	262.60	231.59	191.54	154.01	118.33	86.02	50.72	21.10	3.76
60.0	234.13	202.66	162.84	129.99	97.15	67.07	38.68	10.44	3.76
90.0	208.57	173.20	140.74	112.65	85.64	57.55	32.23	6.98	3.76
120.0	242.72	206.73	166.29	131.14	99.14	67.15	39.06	11.20	3.68
150.0	257.22	226.91	192.61	154.17	121.94	87.17	53.95	23.56	4.53
180.0	259.68	223.54	187.32	154.70	122.78	90.47	56.02	23.94	2.92
210.0	236.04	199.98	163.45	129.30	98.45	61.85	31.31	8.13	2.46
240.0	209.49	174.19	136.82	105.36	75.51	43.97	15.73	3.76	2.38
270.0	164.60	136.06	105.82	79.50	52.18	27.40	4.99	3.30	2.00
300.0	210.49	169.67	135.29	102.14	71.67	43.20	14.43	3.76	2.30
330.0	233.13	196.91	158.46	126.62	93.39	59.24	28.70	6.60	2.38
360.0	253.00	220.08	184.94	151.02	121.32	85.72	53.10	19.11	2.69

C/γ(°)	90.0
0.0	0.84
30.0	1.69
60.0	2.07
90.0	2.23
120.0	2.23
150.0	1.84
180.0	1.38
210.0	0.77
240.0	0.77
270.0	0.61
300.0	0.77
330.0	0.77
360.0	0.84