

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3493A1-48-24DC-PC-A3(25-CL-48RGBWN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.1000

测试编号: 20210308004

电流(A): 3.4990

光源规格型号: CL

功率(W): 84.5000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 990

发光面宽度(mm): 70

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): 4213.31

灯具效能(lm/w): 49.86

中心光强(cd): 11205.990

最大光强(cd): 11629.580

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=27.4

[C90/270]Total=26.3

光束扩散角(10%Imax): [C0/180]Total=58.7

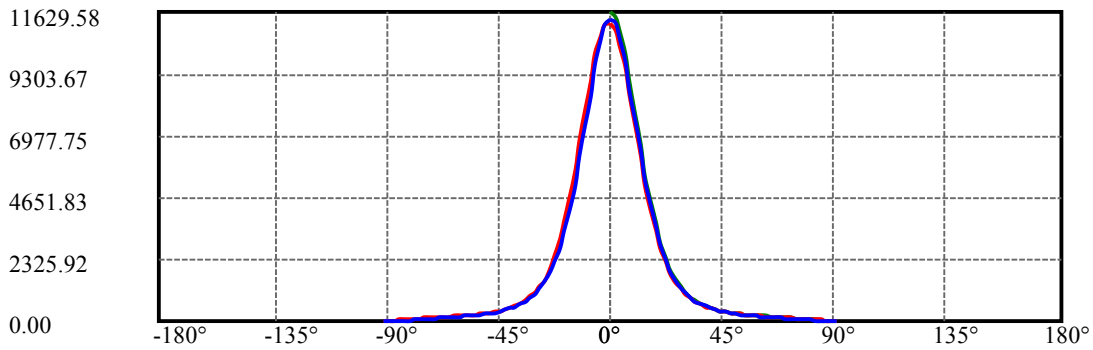
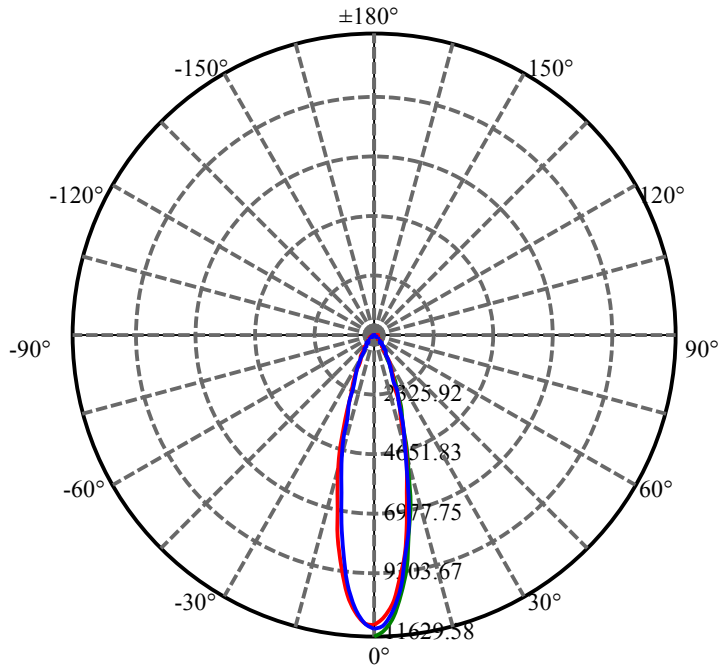
[C90/270]Total=58.1

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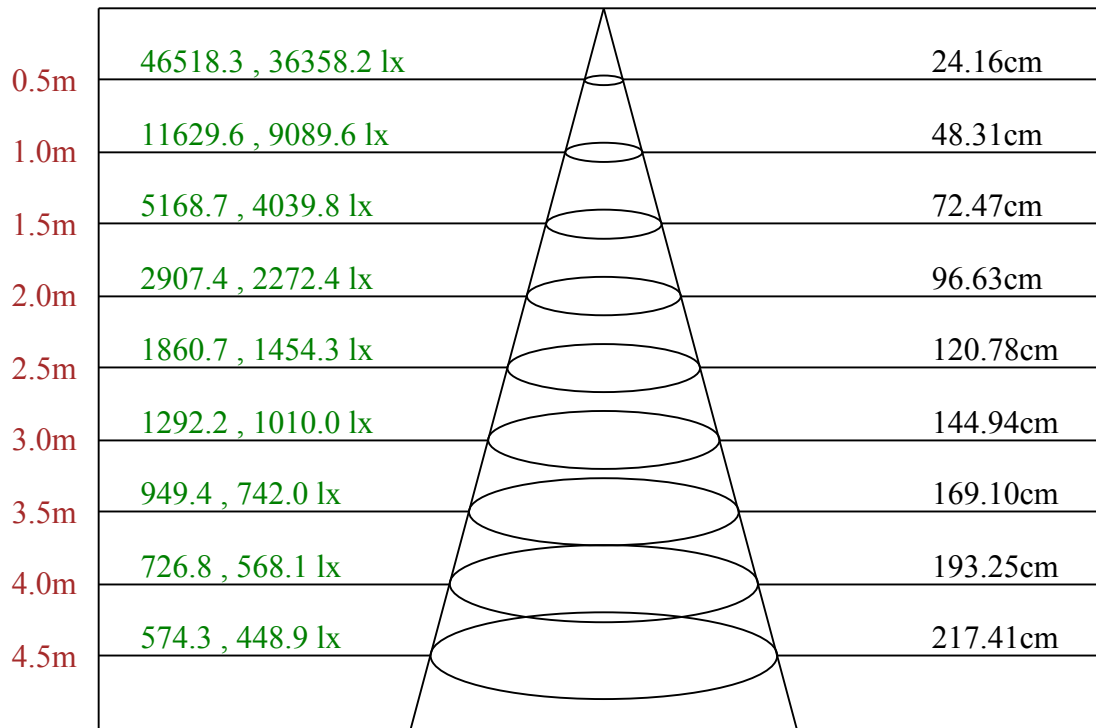
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/8  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

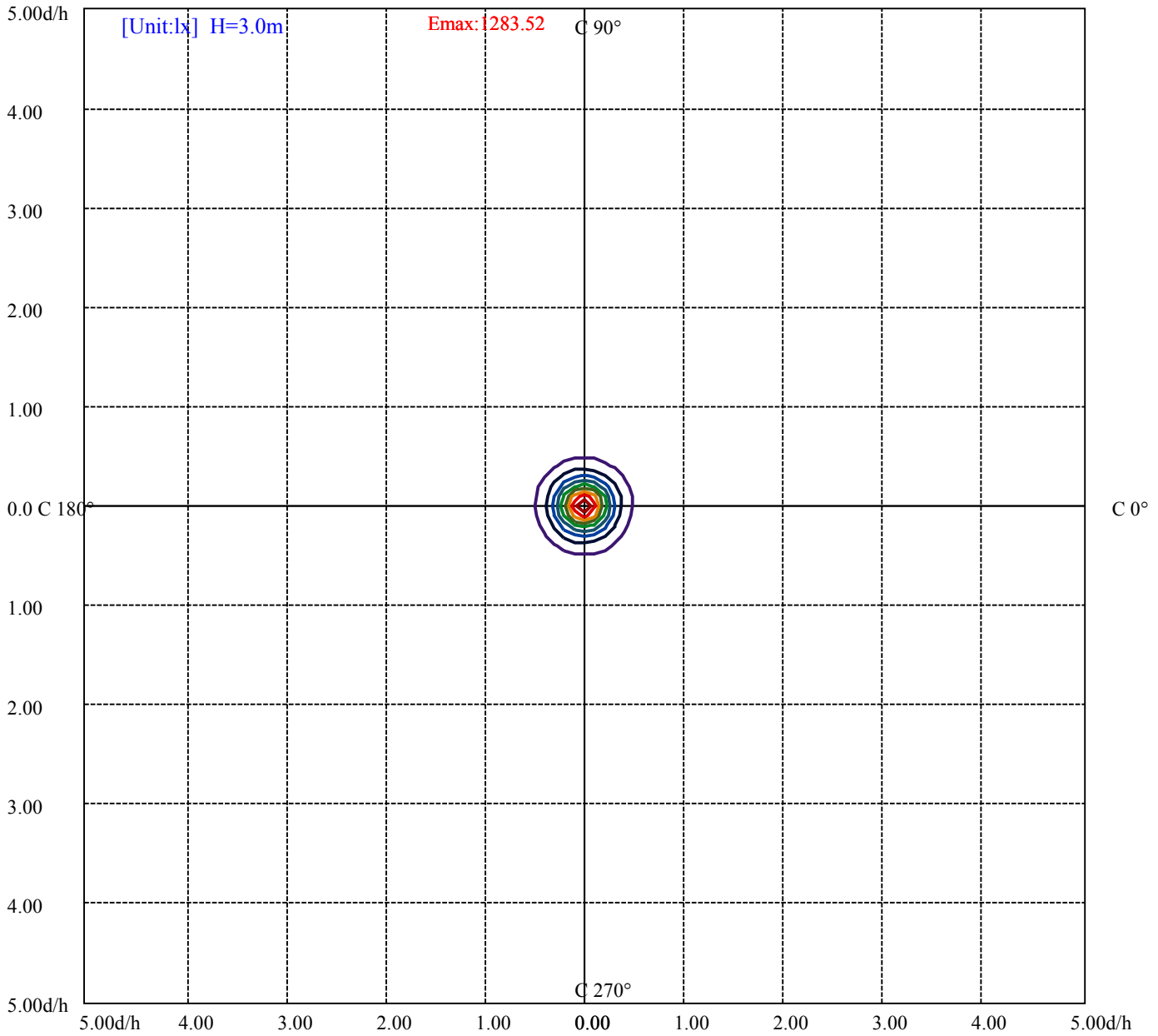


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角27.16

ROLED 投光灯  
平面等照度曲线



(10%Emax) 128.3522	——
(20%Emax) 256.7033	——
(30%Emax) 385.0555	——
(40%Emax) 513.4067	——
(50%Emax) 641.7589	——
(60%Emax) 770.1111	——
(70%Emax) 898.4622	——
(80%Emax) 1026.814	——
(90%Emax) 1155.167	——

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

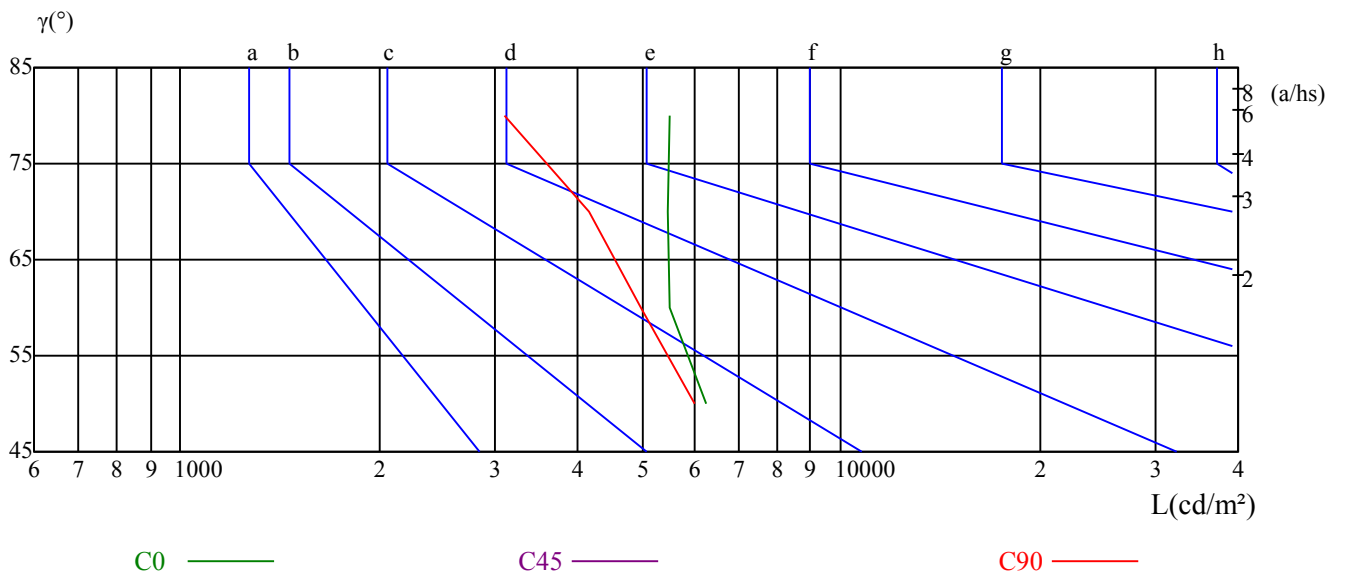
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6260	0	5519	0	5462	0	5497	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6009	0	4992	0	4170	0	3099	0

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	9.20	10.34	9.57	10.65	10.97	9.71	10.85	10.07	11.16	11.47
	3H	10.68	11.69	11.06	12.02	12.39	11.67	12.68	12.05	13.01	13.38
	4H	11.20	12.14	11.60	12.49	12.88	12.49	13.43	12.89	13.78	14.17
	6H	11.52	12.38	11.94	12.75	13.15	13.15	14.01	13.57	14.39	14.78
	8H	11.58	12.40	12.02	12.79	13.20	13.41	14.22	13.84	14.61	15.02
	12H	11.63	12.41	12.07	12.79	13.22	13.76	14.54	14.20	14.92	15.35
4H	2H	9.81	10.75	10.22	11.10	11.49	10.21	11.15	10.62	11.50	11.89
	3H	11.46	12.24	11.88	12.64	13.05	12.42	13.19	12.83	13.60	14.00
	4H	12.07	12.77	12.51	13.19	13.63	13.36	14.05	13.80	14.47	14.92
	6H	12.42	13.01	12.89	13.46	13.93	14.01	14.61	14.48	15.05	15.52
	8H	12.51	13.07	12.98	13.51	13.99	14.32	14.87	14.79	15.32	15.79
	12H	12.56	13.04	13.05	13.53	14.01	14.68	15.16	15.17	15.65	16.13
8H	4H	12.40	12.95	12.87	13.40	13.87	13.53	14.08	14.00	14.53	15.00
	6H	12.85	13.30	13.36	13.80	14.28	14.30	14.74	14.80	15.24	15.72
	8H	12.99	13.39	13.52	13.91	14.40	14.67	15.07	15.20	15.59	16.08
	12H	13.58	13.93	14.10	14.42	15.00	15.48	15.82	16.00	16.32	16.90
12H	4H	12.42	12.90	12.91	13.39	13.86	13.51	13.99	14.00	14.48	14.95
	6H	13.33	13.31	13.44	13.78	14.32	14.72	14.70	14.83	15.16	15.71
	8H	13.08	13.43	13.60	13.92	14.50	14.71	15.05	15.23	15.55	16.12
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.6					0.3/-0.6					
S = 1.5H	1.0/-1.0					0.9/-0.8					
S = 2.0H	2.2/-1.2					1.3/-0.9					
标准表格	BK3					BK3					
更正系数	-0.1					0.9					

# ROLED 投光灯

## 光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	11205.99	10925.90	10351.90	9507.02	8524.01	7361.44	6221.88	5147.56	4214.43
30.0	11629.58	11423.16	10895.20	10039.58	9034.32	7790.40	6645.48	5519.74	4548.24
60.0	11473.81	11195.25	10546.05	9670.47	8561.61	7418.22	6255.65	5168.28	4197.55
90.0	11361.77	11184.51	10624.32	9752.58	8689.00	7578.61	6408.36	5325.59	4393.23
120.0	11276.59	11083.21	10513.82	9714.98	8676.72	7522.59	6439.05	5354.75	4417.02
150.0	11219.80	11160.72	10749.40	10019.63	9115.66	8012.17	6848.83	5739.21	4760.03
180.0	11205.99	11141.53	10713.34	10023.47	9057.34	7917.02	6811.23	5687.79	4704.78
210.0	11629.58	11439.27	10892.90	10019.63	8914.61	7779.66	6591.76	5441.46	4441.57
240.0	11473.81	11328.77	10753.24	9925.24	8844.01	7699.85	6526.53	5415.37	4396.30
270.0	11361.77	11116.21	10513.05	9599.87	8474.13	7353.00	6216.51	5134.51	4189.11
300.0	11276.59	11067.86	10503.84	9640.54	8582.33	7461.96	6324.71	5258.06	4279.66
330.0	11219.80	10923.60	10292.81	9457.91	8387.42	7299.28	6120.59	5092.31	4149.97
360.0	11205.99	10925.90	10351.90	9507.02	8524.01	7361.44	6221.88	5147.56	4214.43
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3406.38	2738.76	2215.41	1796.43	1463.39	1196.34	1002.96	841.81	712.12
30.0	3667.29	2953.63	2399.58	1934.55	1573.89	1286.89	1072.02	893.99	761.24
60.0	3427.87	2762.55	2222.32	1820.98	1489.94	1218.36	1009.10	851.10	718.03
90.0	3552.95	2874.59	2328.22	1907.70	1548.56	1261.57	1047.47	871.74	739.75
120.0	3582.11	2888.40	2323.61	1900.02	1517.26	1261.87	1048.70	870.82	735.61
150.0	3858.37	3146.24	2526.20	2029.71	1642.18	1333.70	1103.49	912.41	769.68
180.0	3780.09	3073.34	2464.04	2008.99	1520.10	1331.01	1105.10	917.24	769.45
210.0	3632.76	2910.66	2368.89	1918.44	1527.92	1279.75	1068.49	887.24	749.11
240.0	3599.76	2901.45	2352.01	1906.93	1552.40	1263.10	1046.70	880.18	738.98
270.0	3428.64	2758.72	2262.22	1846.31	1504.06	1230.10	1027.52	853.78	722.87
300.0	3511.51	2831.62	2295.99	1861.65	1514.03	1231.64	1019.84	857.16	718.26
330.0	3392.57	2717.28	2187.02	1789.52	1457.94	1195.57	990.15	831.14	701.23
360.0	3406.38	2738.76	2215.41	1796.43	1463.39	1196.34	1002.96	841.81	712.12
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	619.27	539.47	473.47	419.75	387.52	338.95	307.72	278.86	253.92
30.0	646.90	557.11	483.45	424.36	387.52	341.94	311.48	285.00	263.29
60.0	618.27	533.33	464.03	408.63	365.65	328.21	297.67	273.19	251.16
90.0	630.78	543.30	471.17	415.15	368.26	328.13	295.98	267.66	244.41
120.0	619.04	534.17	461.35	405.79	358.13	319.23	287.77	262.52	240.04
150.0	648.43	553.28	476.54	417.45	369.34	329.05	297.59	270.50	249.47
180.0	656.11	570.31	497.57	441.62	390.06	351.00	316.24	288.69	263.13
210.0	644.14	552.13	484.06	423.21	376.94	338.95	309.25	282.62	261.37
240.0	635.39	547.14	473.47	416.69	380.54	333.58	301.96	276.41	253.39
270.0	624.34	536.63	470.25	413.16	363.89	324.60	291.37	264.97	242.18
300.0	616.20	527.95	455.82	399.04	356.37	317.16	287.23	260.60	237.89
330.0	602.62	515.91	448.15	396.12	350.00	314.09	284.85	261.29	241.19
360.0	619.27	539.47	473.47	419.75	387.52	338.95	307.72	278.86	253.92
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	234.82	219.09	204.51	191.23	179.11	166.21	154.47	141.35	129.46
30.0	245.64	229.52	215.33	201.82	189.16	176.04	163.14	149.72	135.83
60.0	232.59	217.01	201.36	185.86	170.28	154.78	138.28	122.70	105.90
90.0	223.92	206.42	189.31	172.97	156.39	141.43	127.46	112.34	98.84
120.0	221.16	205.20	189.70	175.58	160.00	145.42	129.69	115.11	99.53
150.0	230.83	214.94	200.98	188.85	176.57	164.53	152.48	139.51	127.38
180.0	242.11	224.84	209.57	195.83	183.17	171.59	159.23	147.72	135.67
210.0	244.26	228.14	214.25	201.05	188.24	175.19	161.99	148.87	134.98
240.0	235.51	217.40	202.20	187.09	172.20	155.93	140.05	124.93	108.51
270.0	223.15	204.12	186.78	169.59	154.17	139.82	125.24	111.58	98.30
300.0	219.24	202.36	187.62	172.89	158.62	142.73	127.61	112.73	98.53
330.0	225.15	209.88	196.52	183.86	170.82	158.92	145.95	133.14	120.25
360.0	234.82	219.09	204.51	191.23	179.11	166.21	154.47	141.35	129.46

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/8  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	116.95	104.75	91.70	79.19	66.15	52.95	40.21	25.78	8.52
30.0	121.32	106.20	90.17	70.06	52.49	37.29	25.48	9.90	3.38
60.0	91.01	76.43	62.77	51.03	41.13	24.02	10.59	6.22	4.68
90.0	85.26	72.59	60.85	50.72	37.29	19.57	11.82	7.67	5.68
120.0	85.95	73.67	61.08	48.19	38.98	23.56	10.90	6.60	5.14
150.0	114.03	101.52	86.71	68.91	52.87	39.44	25.63	11.51	3.84
180.0	123.09	110.89	98.30	86.33	73.51	60.78	48.42	34.15	15.88
210.0	121.32	104.44	87.79	67.53	51.80	36.76	25.78	7.06	3.38
240.0	94.08	79.04	65.69	54.41	43.89	26.01	11.05	6.52	5.06
270.0	85.87	71.67	61.62	50.11	33.92	17.04	11.05	7.52	4.76
300.0	85.79	72.98	61.39	49.27	39.29	21.79	10.21	6.37	4.60
330.0	106.82	92.47	77.50	59.55	45.51	32.92	20.87	5.22	2.99
360.0	116.95	104.75	91.70	79.19	66.15	52.95	40.21	25.78	8.52
C/γ(°)	90.0								
0.0	0.46								
30.0	0.84								
60.0	0.46								
90.0	0.69								
120.0	0.77								
150.0	1.30								
180.0	0.84								
210.0	0.54								
240.0	0.61								
270.0	0.38								
300.0	0.38								
330.0	0.38								
360.0	0.46								