

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(4525-CL-48RGBWN-AA,L1000mm, C,CT)

报告编号:

电压(V): 24.0000

测试编号: 20210308009

电流(A): 3.5100

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): 3985.76

灯具效能(lm/w): 47.17

中心光强(cd): 7181.872

最大光强(cd): 7485.753

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=38.9

[C90/270]Total=28.1

光束扩散角(10%Imax): [C0/180]Total=80.7

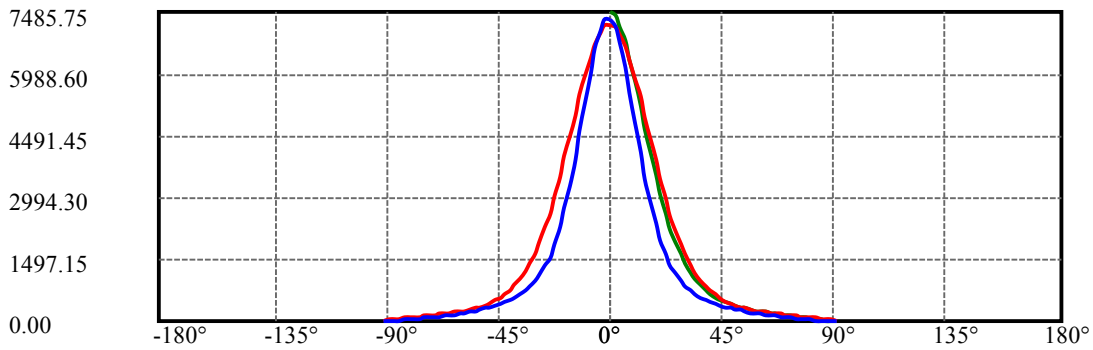
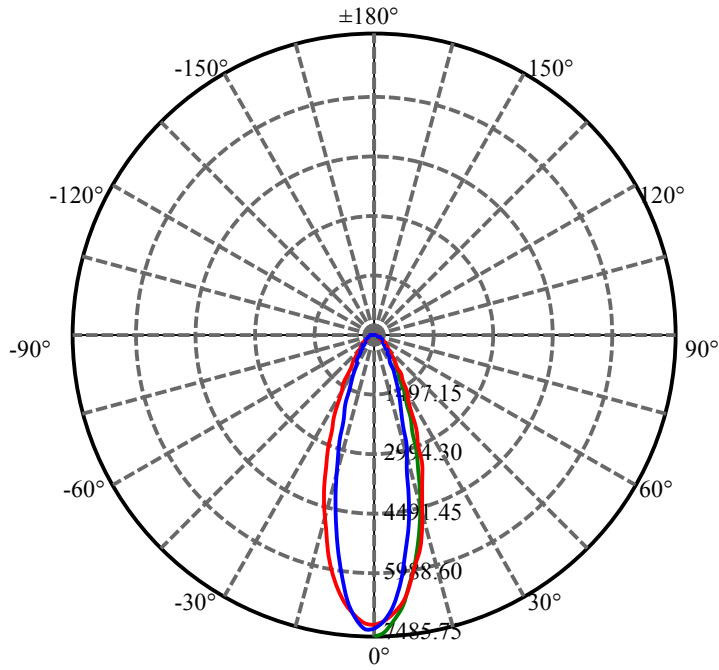
[C90/270]Total=66.3

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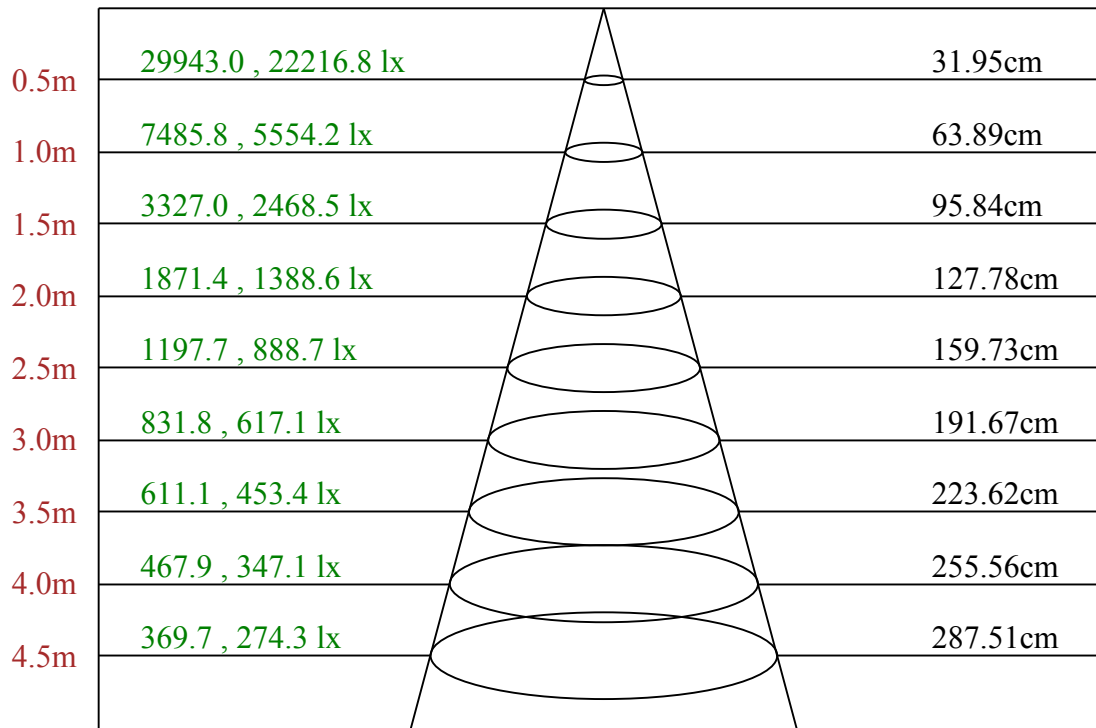
测试设备: GMS1800  
环境温度(°C): 25.0

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

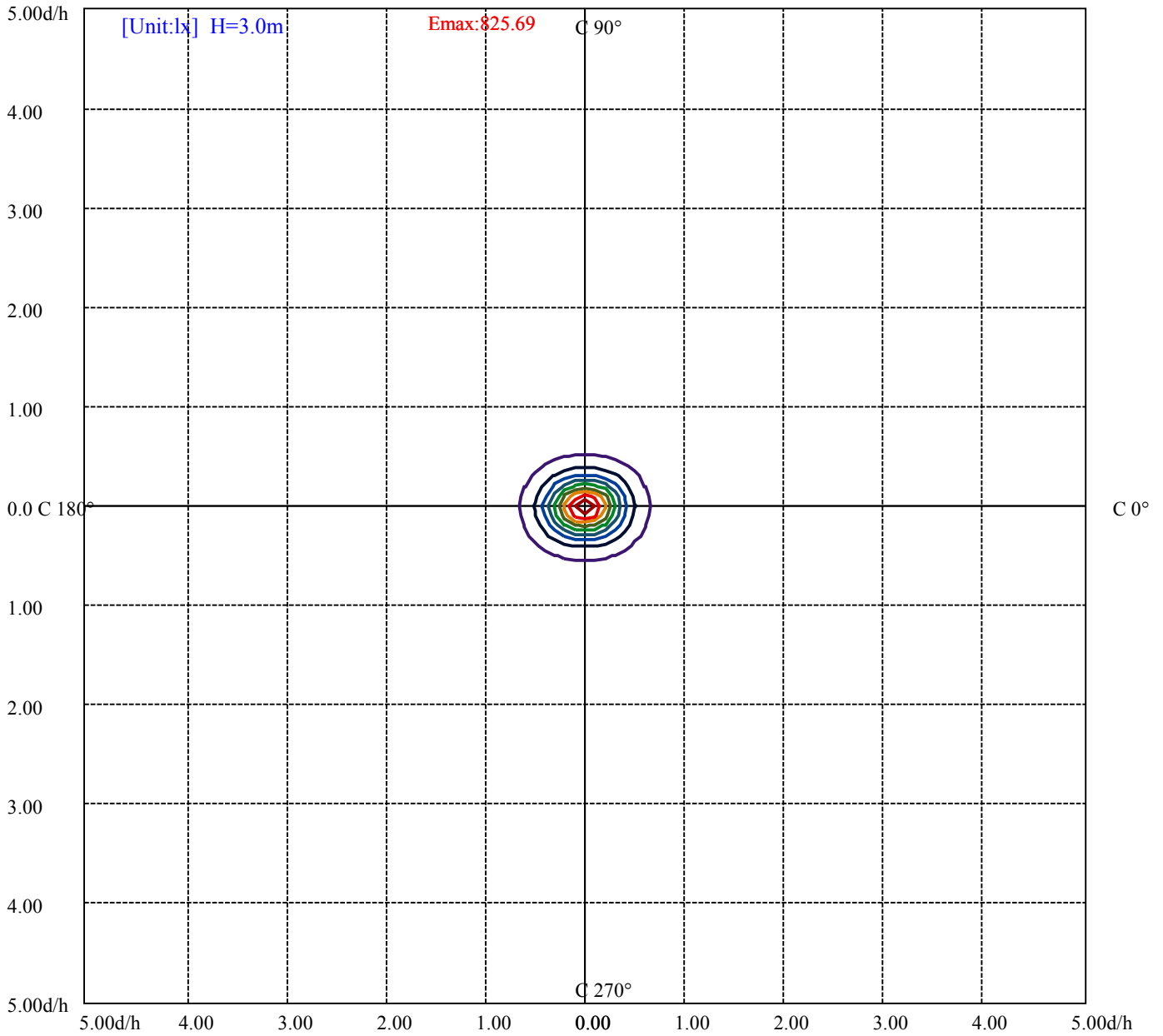


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角35.43

ROLED 投光灯  
平面等照度曲线



(10%Emax) 82.56944	—
(20%Emax) 165.1389	—
(30%Emax) 247.7078	—
(40%Emax) 330.2778	—
(50%Emax) 412.8467	—
(60%Emax) 495.4167	—
(70%Emax) 577.9856	—
(80%Emax) 660.5555	—
(90%Emax) 743.1245	—

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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

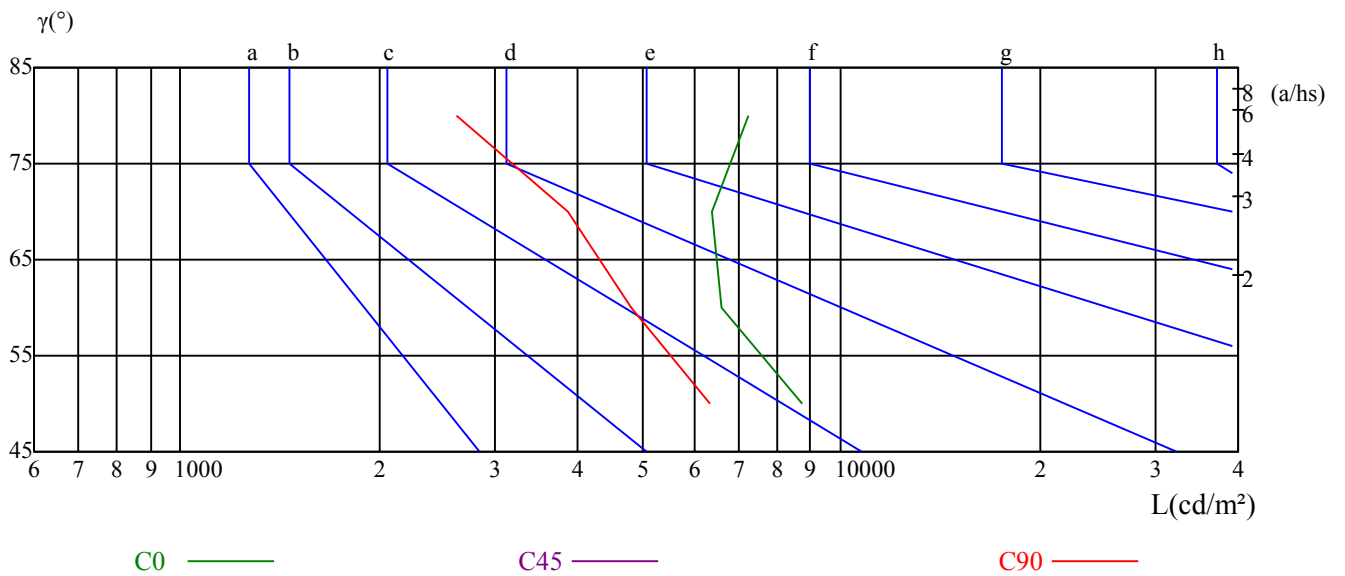
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8734	0	6617	0	6362	0	7270	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6321	0	4812	0	3859	0	2614	0

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	10.17	11.37	10.53	11.68	11.99	11.46	12.66	11.82	12.97	13.28
	3H	11.45	12.51	11.83	12.84	13.21	13.19	14.25	13.57	14.58	14.95
	4H	11.92	12.91	12.32	13.26	13.65	13.94	14.94	14.35	15.29	15.67
	6H	12.20	13.11	12.62	13.49	13.88	14.66	15.57	15.07	15.94	16.34
	8H	12.26	13.12	12.69	13.51	13.92	14.98	15.84	15.41	16.24	16.64
	12H	12.32	13.14	12.75	13.53	13.96	15.50	16.32	15.93	16.70	17.13
4H	2H	10.79	11.78	11.19	12.13	12.52	11.82	12.82	12.23	13.17	13.56
	3H	12.27	13.09	12.68	13.49	13.90	13.82	14.64	14.23	15.04	15.45
	4H	12.83	13.57	13.27	13.99	14.43	14.72	15.45	15.16	15.88	16.32
	6H	13.14	13.78	13.61	14.22	14.69	15.44	16.07	15.90	16.52	16.99
	8H	13.23	13.82	13.70	14.27	14.74	15.84	16.43	16.31	16.88	17.35
	12H	13.29	13.81	13.78	14.30	14.77	16.38	16.89	16.86	17.38	17.86
8H	4H	13.20	13.79	13.67	14.23	14.71	14.87	15.46	15.34	15.91	16.38
	6H	13.62	14.09	14.12	14.59	15.08	15.73	16.20	16.23	16.70	17.18
	8H	13.75	14.18	14.28	14.70	15.19	16.21	16.64	16.73	17.15	17.65
	12H	14.34	14.71	14.86	15.21	15.78	17.16	17.54	17.68	18.03	18.61
12H	4H	13.25	13.76	13.73	14.25	14.72	14.85	15.36	15.33	15.85	16.32
	6H	14.20	14.14	14.24	14.61	15.15	16.22	16.16	16.26	16.62	17.17
	8H	13.89	14.26	14.40	14.76	15.33	16.25	16.62	16.77	17.12	17.69
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					0.6/-0.7					
S = 1.5H	0.9/-1.2					1.0/-1.0					
S = 2.0H	1.9/-1.5					2.0/-1.0					
标准表格	BK3					BK3					
更正系数	0.3					2.5					

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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	7181.87	7117.41	6942.45	6670.03	6332.39	5871.96	5422.28	4915.04	4410.11
30.0	7485.75	7384.46	7124.32	6771.33	6311.67	5802.13	5221.99	4641.09	4093.18
60.0	7376.79	7174.97	6808.16	6287.88	5668.61	4987.94	4348.72	3704.12	3137.80
90.0	7313.86	7128.92	6728.35	6158.96	5526.64	4809.15	4091.65	3432.47	2866.92
120.0	7242.49	7045.28	6678.47	6164.33	5548.90	4877.44	4248.19	3613.57	3060.30
150.0	7210.26	7110.51	6870.32	6525.00	6048.46	5548.13	4984.87	4422.39	3893.67
180.0	7181.87	7138.13	6986.19	6709.94	6370.76	5936.42	5484.44	4979.50	4457.69
210.0	7485.75	7445.08	7266.28	6947.82	6507.35	6015.46	5454.51	4855.19	4271.98
240.0	7376.79	7376.79	7180.34	6800.49	6274.83	5633.31	4998.69	4324.16	3665.76
270.0	7313.86	7281.63	7037.61	6593.29	5989.37	5302.57	4592.75	3917.45	3275.16
300.0	7242.49	7242.49	7053.72	6686.91	6205.77	5556.57	4940.37	4280.42	3635.06
330.0	7210.26	7174.97	7000.77	6719.91	6311.67	5822.85	5285.69	4740.85	4176.06
360.0	7181.87	7117.41	6942.45	6670.03	6332.39	5871.96	5422.28	4915.04	4410.11
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3904.41	3418.66	2977.42	2569.17	2201.60	1870.86	1607.65	1365.93	1164.88
30.0	3545.28	3050.32	2602.17	2228.46	1892.35	1604.58	1373.60	1171.02	1010.63
60.0	2623.66	2184.72	1818.68	1523.55	1307.53	1110.70	960.75	830.91	723.41
90.0	2359.68	1967.55	1616.09	1364.39	1154.13	992.22	854.09	742.82	656.11
120.0	2533.88	2128.70	1771.87	1508.97	1274.69	1083.30	937.58	811.19	706.45
150.0	3369.55	2918.33	2489.37	2113.35	1794.13	1533.98	1301.47	1109.63	956.92
180.0	3976.54	3489.26	3028.83	2615.98	2257.62	1920.74	1646.02	1403.22	1187.36
210.0	3743.26	3214.54	2770.23	2360.45	1993.64	1702.81	1454.71	1230.95	1051.46
240.0	3118.62	2606.78	2182.42	1807.94	1530.92	1286.89	1105.79	949.24	817.26
270.0	2743.37	2259.15	1871.63	1528.54	1328.71	1127.74	974.87	839.43	731.77
300.0	3094.83	2590.66	2171.67	1815.61	1523.24	1282.29	1101.95	943.87	813.42
330.0	3666.52	3153.15	2697.33	2317.48	1959.88	1660.60	1417.50	1210.08	1032.50
360.0	3904.41	3418.66	2977.42	2569.17	2201.60	1870.86	1607.65	1365.93	1164.88
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	993.75	849.49	726.71	634.62	551.74	481.91	428.20	389.06	338.18
30.0	861.76	752.03	655.34	580.14	513.37	458.12	414.38	380.93	337.88
60.0	636.23	567.09	505.93	456.59	412.23	373.41	339.64	311.09	283.24
90.0	579.37	514.14	459.66	415.15	387.52	343.71	311.02	281.55	256.46
120.0	621.65	554.35	494.73	445.00	404.10	366.35	333.73	304.88	279.32
150.0	822.63	712.89	622.34	550.98	488.05	438.17	394.43	357.29	324.91
180.0	1009.25	866.98	741.98	640.76	561.03	490.89	433.18	384.46	344.09
210.0	910.26	782.26	685.73	602.08	530.49	473.16	424.59	383.15	346.47
240.0	719.80	628.48	557.88	499.56	450.45	405.94	371.87	338.26	307.10
270.0	648.05	572.16	509.31	456.05	411.47	372.48	337.80	304.34	276.33
300.0	714.43	627.71	554.05	495.72	447.38	402.87	367.42	335.80	304.88
330.0	893.69	767.61	667.00	584.59	517.60	460.35	412.23	371.49	335.34
360.0	993.75	849.49	726.71	634.62	551.74	481.91	428.20	389.06	338.18
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	303.11	274.41	249.32	229.29	211.95	195.14	181.10	165.14	150.79
30.0	306.18	279.25	253.69	231.90	210.57	191.23	173.27	157.01	142.73
60.0	258.07	235.51	212.33	190.23	169.67	151.94	135.29	120.25	104.98
90.0	230.75	208.50	186.55	166.75	147.87	131.76	117.95	104.36	91.47
120.0	254.62	232.51	209.72	188.08	167.90	150.48	134.37	119.94	104.98
150.0	294.90	268.43	244.56	224.00	203.82	186.32	169.21	153.63	140.20
180.0	307.64	278.25	252.54	231.59	213.64	196.99	182.71	167.98	153.17
210.0	315.78	286.23	260.91	238.73	216.32	196.52	178.11	162.30	147.18
240.0	279.79	255.46	230.75	207.73	186.55	165.91	148.26	131.99	117.26
270.0	250.78	225.30	203.43	181.18	161.23	143.81	128.46	114.26	100.68
300.0	279.09	251.93	228.60	205.73	184.94	164.30	147.18	130.91	115.34
330.0	303.73	275.33	252.39	229.98	208.88	190.92	173.20	157.47	142.96
360.0	303.11	274.41	249.32	229.29	211.95	195.14	181.10	165.14	150.79

# 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	136.44	123.16	109.66	97.69	87.48	76.58	64.46	46.35	23.56
30.0	127.38	112.27	94.62	78.50	64.15	48.81	31.69	12.28	4.30
60.0	89.09	74.97	63.39	52.41	37.22	23.64	13.89	7.44	5.14
90.0	79.58	69.60	59.24	46.12	31.46	21.10	12.51	8.06	5.22
120.0	87.86	73.59	62.00	51.41	36.83	23.33	13.66	7.14	5.14
150.0	125.31	110.96	93.01	76.97	62.46	47.35	31.77	11.89	4.14
180.0	137.90	123.85	110.27	98.61	87.86	77.74	66.30	49.73	30.00
210.0	132.60	116.10	97.23	80.88	65.76	50.34	34.15	12.58	4.53
240.0	100.83	83.87	70.37	60.09	47.42	31.39	19.34	10.59	6.75
270.0	87.63	75.43	65.92	54.33	37.52	25.78	16.81	8.67	7.44
300.0	99.45	82.57	69.14	59.01	47.42	30.77	18.80	10.36	6.60
330.0	128.54	112.80	96.00	79.65	64.31	49.80	33.69	12.51	4.45
360.0	136.44	123.16	109.66	97.69	87.48	76.58	64.46	46.35	23.56
C/γ(°)	90.0								
0.0	0.77								
30.0	1.23								
60.0	0.31								
90.0	0.31								
120.0	0.38								
150.0	1.15								
180.0	4.07								
210.0	1.84								
240.0	2.61								
270.0	2.76								
300.0	2.53								
330.0	1.76								
360.0	0.77								