

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3084A-30-UN-RC-Y(55-XL-30RGBWN-AJ,L715mm,B,CT)

报告编号:

电压(V): 201.6000

测试编号: 20210301002

电流(A): 0.6630

光源规格型号: XL

功率(W): 132.5000

每个光源光通量(lm)

功率因数: 0.9910

光源数量: 30

镇流器型号:

发光面长度(mm): 650

发光面宽度(mm): 105

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): 6288.56

灯具效能(lm/w): 47.46

中心光强(cd): 5739.206

最大光强(cd): 5943.327

最大光强角度: C=30.0  $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=55.3

[C90/270]Total=55.5

光束扩散角(10%Imax): [C0/180]Total=104.8

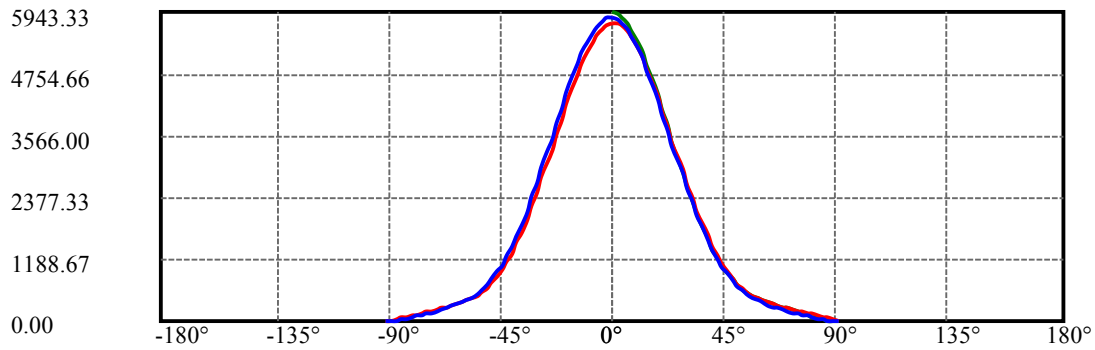
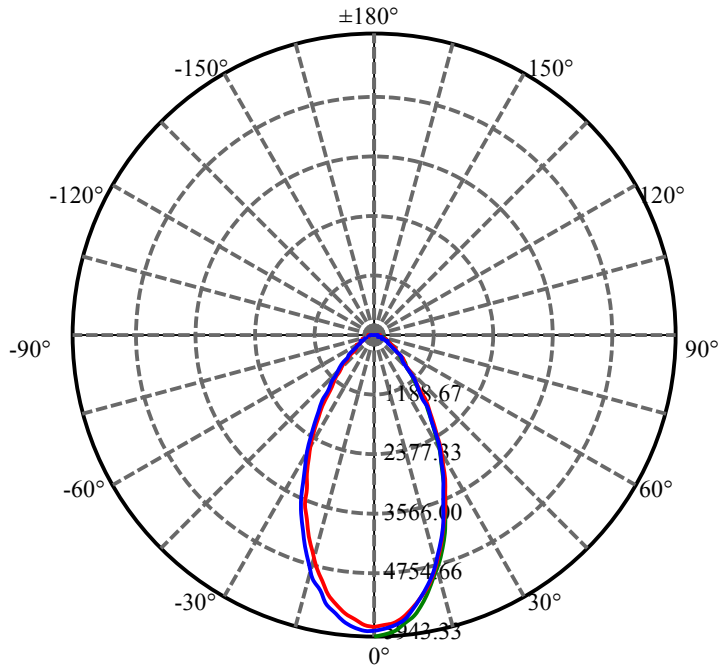
[C90/270]Total=104.6

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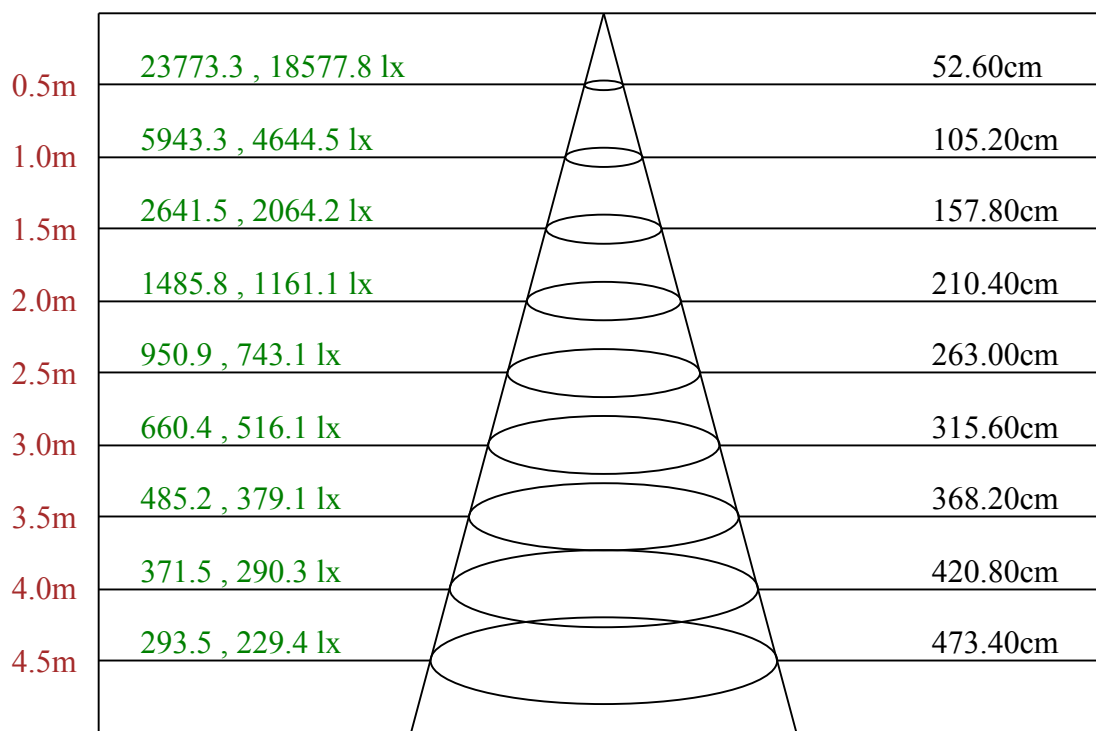
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/1  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

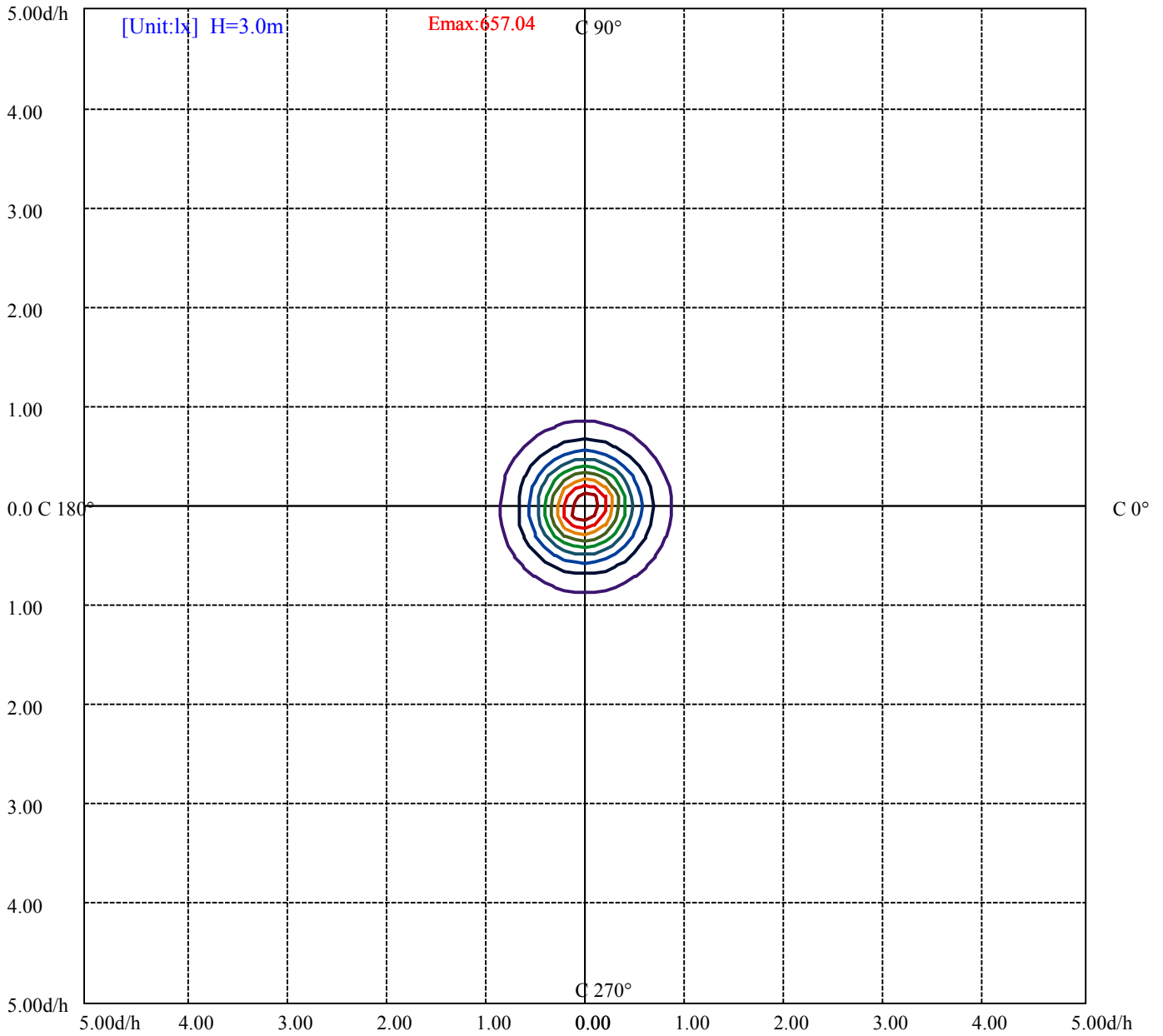


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角55.48

ROLED 投光灯  
平面等照度曲线



(10%Emax) 65.70433	——
(20%Emax) 131.4089	——
(30%Emax) 197.1133	——
(40%Emax) 262.8178	——
(50%Emax) 328.5222	——
(60%Emax) 394.2256	——
(70%Emax) 459.93	——
(80%Emax) 525.6345	——
(90%Emax) 591.3389	——

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/1  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

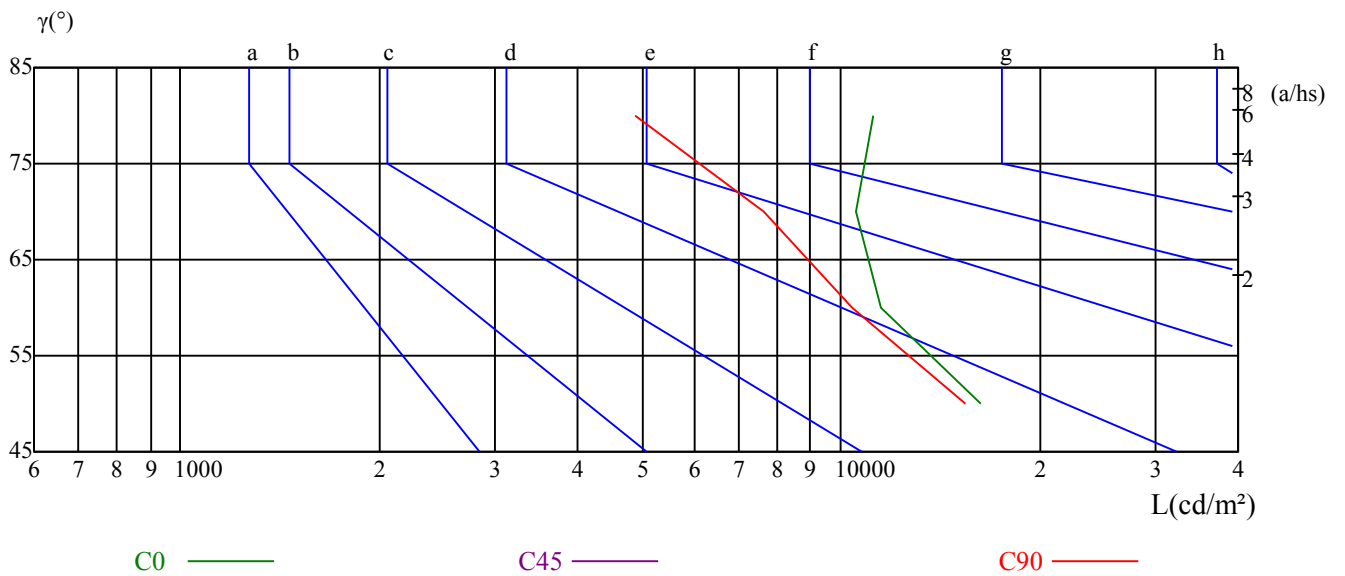
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	16337	0	11491	0	10516	0	11240	0
C45	0	0	0	0	0	0	0	0	0
C90	0	15428	0	10380	0	7637	0	4889	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
58695	62982	0	52004	55671	0	17325	17816	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	11.77	13.04	12.13	13.35	13.66	11.90	13.17	12.27	13.48	13.80
	3H	12.94	14.07	13.32	14.40	14.76	13.47	14.60	13.85	14.93	15.30
	4H	13.36	14.41	13.76	14.76	15.15	14.13	15.18	14.54	15.54	15.92
	6H	13.64	14.61	14.06	14.98	15.37	14.68	15.65	15.09	16.02	16.41
	8H	13.70	14.62	14.14	15.01	15.42	14.89	15.81	15.32	16.20	16.60
	12H	13.76	14.63	14.19	15.01	15.44	15.20	16.07	15.63	16.45	16.88
4H	2H	12.25	13.31	12.66	13.66	14.04	12.36	13.42	12.77	13.77	14.15
	3H	13.62	14.49	14.04	14.89	15.30	14.20	15.07	14.61	15.47	15.87
	4H	14.14	14.92	14.58	15.34	15.78	14.99	15.76	15.43	16.18	16.63
	6H	14.46	15.13	14.92	15.57	16.04	15.54	16.21	16.00	16.65	17.12
	8H	14.55	15.17	15.02	15.62	16.09	15.80	16.43	16.27	16.87	17.34
	12H	14.61	15.16	15.10	15.64	16.12	16.12	16.67	16.61	17.15	17.63
8H	4H	14.40	15.03	14.87	15.47	15.95	15.16	15.78	15.63	16.23	16.70
	6H	14.83	15.34	15.34	15.84	16.32	15.82	16.33	16.32	16.82	17.30
	8H	14.98	15.43	15.50	15.95	16.44	16.15	16.60	16.67	17.12	17.61
	12H	15.59	15.99	16.11	16.48	17.06	16.94	17.34	17.46	17.84	18.41
12H	4H	14.42	14.97	14.90	15.45	15.93	15.15	15.70	15.63	16.18	16.65
	6H	15.44	15.34	15.41	15.80	16.35	16.39	16.29	16.36	16.75	17.30
	8H	15.06	15.46	15.57	15.95	16.52	16.19	16.59	16.71	17.09	17.66
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.1					0.6/-0.9					
S = 1.5H	1.4/-1.6					1.2/-1.2					
S = 2.0H	3.3/-1.9					2.4/-1.3					
标准表格	BK3					BK3					
更正系数	4.0					4.9					

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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	5739.21	5730.00	5675.51	5584.20	5445.30	5277.24	5070.82	4845.98	4591.21
30.0	5943.33	5914.93	5840.50	5726.93	5582.66	5386.98	5173.65	4917.35	4651.07
60.0	5883.47	5847.41	5769.13	5654.79	5499.78	5307.94	5088.47	4831.40	4562.82
90.0	5835.89	5807.50	5731.53	5614.89	5454.51	5269.57	5043.20	4799.17	4524.45
120.0	5796.76	5756.85	5673.98	5545.83	5388.51	5189.00	4965.69	4706.32	4429.29
150.0	5765.30	5733.07	5654.03	5535.08	5384.68	5194.37	4971.83	4732.41	4463.06
180.0	5739.21	5700.84	5621.03	5500.55	5356.28	5173.65	4954.18	4725.50	4460.76
210.0	5943.33	5928.75	5874.26	5782.95	5657.86	5499.02	5314.08	5084.63	4823.73
240.0	5883.47	5873.50	5824.38	5738.44	5624.87	5476.00	5291.06	5063.91	4827.56
270.0	5835.89	5821.31	5759.92	5664.00	5530.48	5362.42	5155.23	4935.76	4680.99
300.0	5796.76	5782.18	5725.39	5624.87	5489.81	5317.92	5107.65	4876.67	4618.84
330.0	5765.30	5747.65	5681.65	5579.59	5434.56	5253.46	5032.45	4788.43	4534.42
360.0	5739.21	5730.00	5675.51	5584.20	5445.30	5277.24	5070.82	4845.98	4591.21
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4311.89	4026.42	3735.59	3443.98	3157.75	2902.98	2634.40	2364.29	2121.03
30.0	4354.09	4057.12	3747.86	3441.68	3140.87	2852.34	2583.75	2305.20	2052.73
60.0	4240.52	3944.31	3634.29	3331.95	3059.53	2779.44	2515.46	2232.30	1985.20
90.0	4234.38	3951.99	3658.08	3370.32	3087.92	2826.25	2555.36	2297.52	2036.62
120.0	4135.39	3844.55	3572.90	3295.11	3042.65	2780.97	2516.99	2255.32	2010.53
150.0	4195.24	3905.94	3622.78	3344.22	3069.50	2814.74	2550.76	2296.76	2035.85
180.0	4171.46	3877.55	3596.69	3302.02	3018.86	2754.11	2472.49	2206.21	1946.83
210.0	4545.17	4243.59	3928.97	3618.18	3308.16	3004.28	2697.33	2424.91	2145.58
240.0	4543.63	4229.78	3930.50	3611.27	3291.28	2992.77	2711.91	2417.23	2157.09
270.0	4391.69	4115.44	3816.93	3523.79	3230.65	2942.89	2650.52	2388.07	2117.96
300.0	4337.21	4037.93	3760.91	3472.38	3199.19	2932.91	2666.63	2395.75	2151.72
330.0	4243.59	3971.17	3684.94	3394.10	3136.27	2871.52	2602.94	2347.40	2104.91
360.0	4311.89	4026.42	3735.59	3443.98	3157.75	2902.98	2634.40	2364.29	2121.03
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1872.40	1649.09	1434.99	1256.96	1091.21	956.15	828.77	716.73	627.71
30.0	1807.17	1581.56	1379.74	1210.15	1052.84	915.48	801.14	696.78	606.99
60.0	1745.01	1527.62	1351.81	1178.08	1033.43	898.75	780.11	677.67	595.02
90.0	1794.13	1566.98	1365.93	1196.34	1039.03	906.27	782.72	676.83	583.97
120.0	1767.27	1522.32	1362.78	1183.75	1035.88	892.30	778.20	674.83	591.11
150.0	1787.99	1557.01	1359.02	1174.09	1006.03	878.65	767.38	666.85	575.53
180.0	1713.55	1500.37	1309.83	1132.11	978.25	843.81	732.15	632.09	549.21
210.0	1892.35	1658.30	1454.94	1259.72	1103.64	958.68	828.00	725.02	631.55
240.0	1898.49	1659.07	1451.11	1260.80	1101.95	959.22	836.44	722.87	627.71
270.0	1857.82	1639.88	1438.83	1244.99	1082.00	943.87	812.27	707.06	608.22
300.0	1901.56	1664.44	1466.46	1276.15	1105.79	961.52	838.74	725.17	634.62
330.0	1854.75	1639.12	1442.36	1250.36	1089.67	954.08	824.93	717.96	629.56
360.0	1872.40	1649.09	1434.99	1256.96	1091.21	956.15	828.77	716.73	627.71
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	548.67	483.45	432.03	392.13	357.37	327.82	299.12	271.42	245.48
30.0	537.93	478.84	430.50	395.20	362.12	330.82	302.12	272.03	242.95
60.0	522.58	466.03	415.84	373.41	335.42	300.43	261.60	224.00	194.15
90.0	510.31	445.85	394.43	354.22	313.01	275.41	241.03	209.49	178.26
120.0	517.98	457.74	409.86	367.42	329.74	293.06	256.23	218.93	183.86
150.0	508.77	448.15	400.57	365.96	332.58	305.80	279.02	255.92	222.23
180.0	485.21	431.34	389.98	352.99	320.53	293.06	267.51	241.42	216.48
210.0	555.43	493.50	443.47	401.64	368.95	337.11	306.34	278.86	249.93
240.0	547.14	483.45	429.73	388.29	348.01	312.48	277.10	237.04	206.81
270.0	523.35	458.20	406.94	360.36	320.38	283.01	248.32	219.16	187.24
300.0	551.74	484.21	428.96	387.52	346.85	311.17	275.56	237.27	206.12
330.0	549.67	490.43	437.40	397.73	363.35	333.27	303.19	274.11	246.71
360.0	548.67	483.45	432.03	392.13	357.37	327.82	299.12	271.42	245.48

# 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	221.62	198.52	176.34	155.85	133.22	110.12	87.63	63.69	36.91
30.0	214.25	186.09	154.09	120.02	89.63	64.46	47.65	13.28	5.60
60.0	162.91	135.13	112.65	97.38	71.52	32.77	23.10	10.74	5.60
90.0	152.94	131.30	115.80	95.77	57.94	32.08	22.64	12.05	5.83
120.0	153.94	123.70	107.20	91.09	67.61	29.54	21.33	10.36	5.06
150.0	200.52	171.43	143.50	110.04	81.88	58.70	41.82	11.89	5.14
180.0	193.69	172.43	151.02	128.08	104.98	84.49	63.46	40.21	11.36
210.0	221.77	191.15	161.00	125.54	95.00	70.29	52.87	23.25	8.59
240.0	176.11	148.26	125.16	105.51	91.32	61.62	26.86	18.80	7.60
270.0	160.69	139.74	123.01	109.04	80.11	42.21	29.31	16.11	8.29
300.0	175.65	148.26	125.85	107.43	92.70	64.15	26.86	18.95	7.52
330.0	217.86	189.08	157.54	125.31	95.62	72.13	54.41	25.94	9.21
360.0	221.62	198.52	176.34	155.85	133.22	110.12	87.63	63.69	36.91
C/γ(°)	90.0								
0.0	2.46								
30.0	0.92								
60.0	0.84								
90.0	0.92								
120.0	0.92								
150.0	1.07								
180.0	1.23								
210.0	2.76								
240.0	3.30								
270.0	3.38								
300.0	3.68								
330.0	3.22								
360.0	2.46								