

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(30-XL-30RGBWN-AJ,L715mm,B,CT)

报告编号:

电压(V): 201.3000

测试编号: 20210228002

电流(A): 0.6650

光源规格型号: XL

功率(W): 132.8000

每个光源光通量(lm)

功率因数: 0.9920

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): 5877.05

灯具效能(lm/w): 44.25

中心光强(cd): 14280.100

最大光强(cd): 14800.380

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=30.4

[C90/270]Total=30.3

光束扩散角(10%Imax): [C0/180]Total=62.7

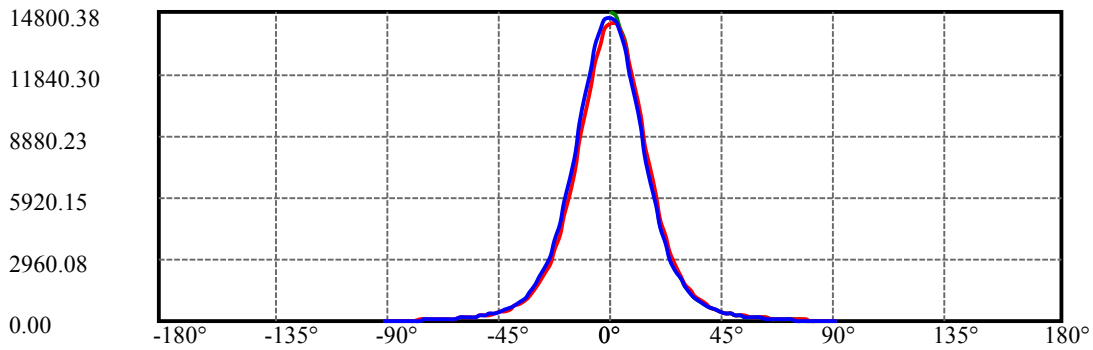
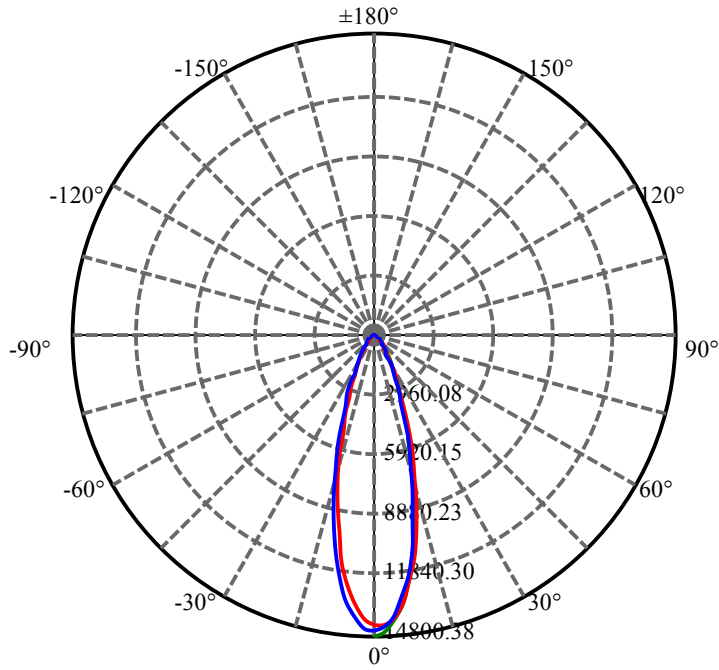
[C90/270]Total=62.9

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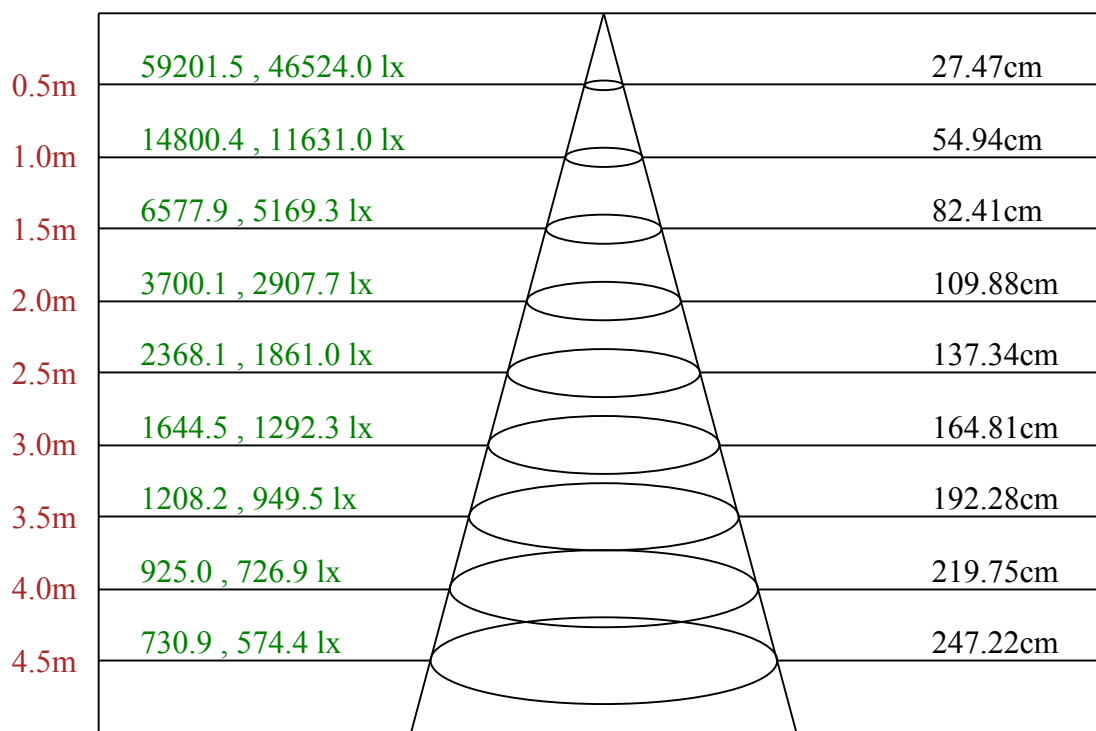
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/2/28  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

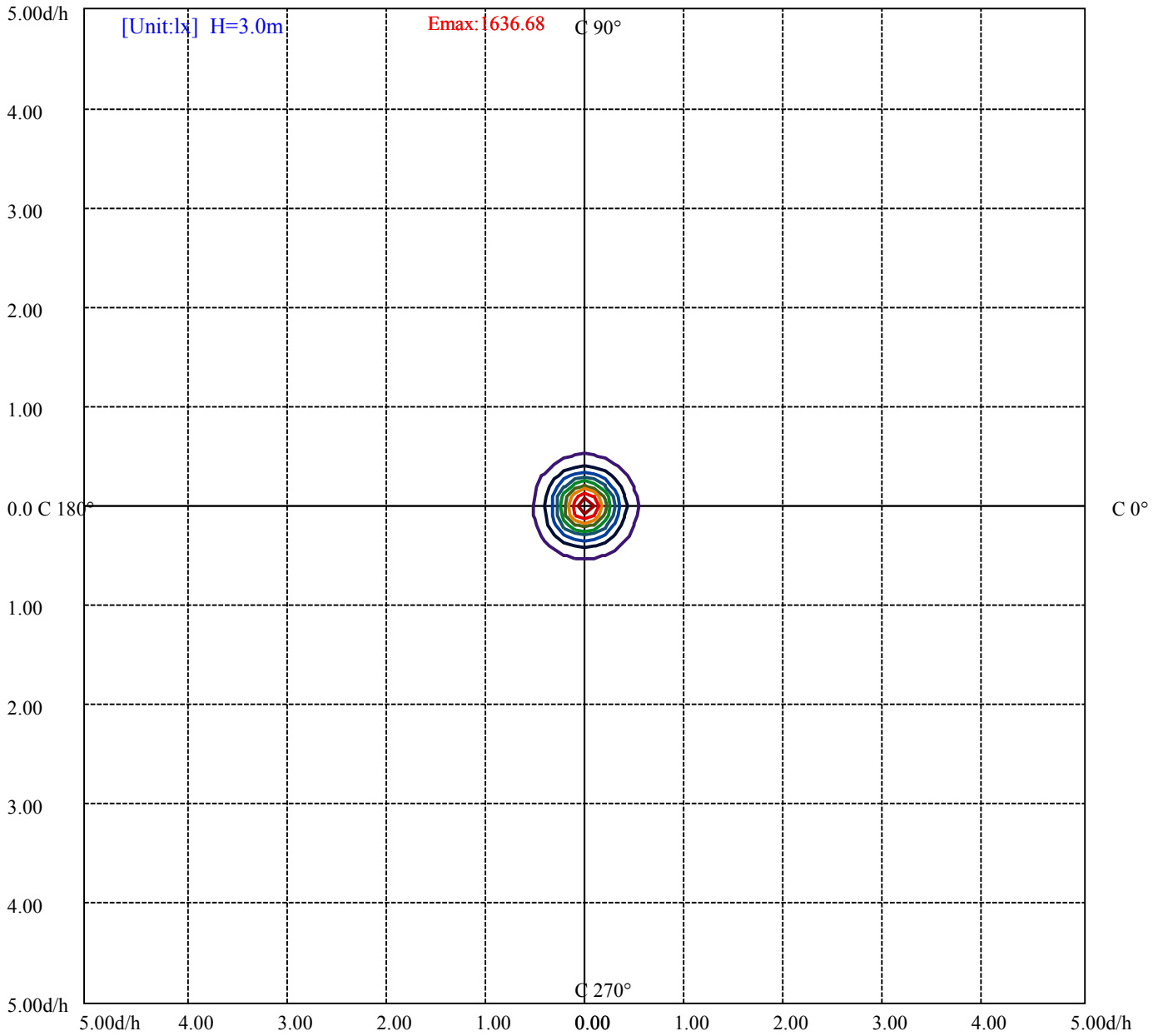


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角30.72

ROLED 投光灯  
平面等照度曲线



(10%Emax) 163.6678	——
(20%Emax) 327.3367	——
(30%Emax) 491.0045	——
(40%Emax) 654.6722	——
(50%Emax) 818.3411	——
(60%Emax) 982.0089	——
(70%Emax) 1145.678	——
(80%Emax) 1309.344	——
(90%Emax) 1473.011	——

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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

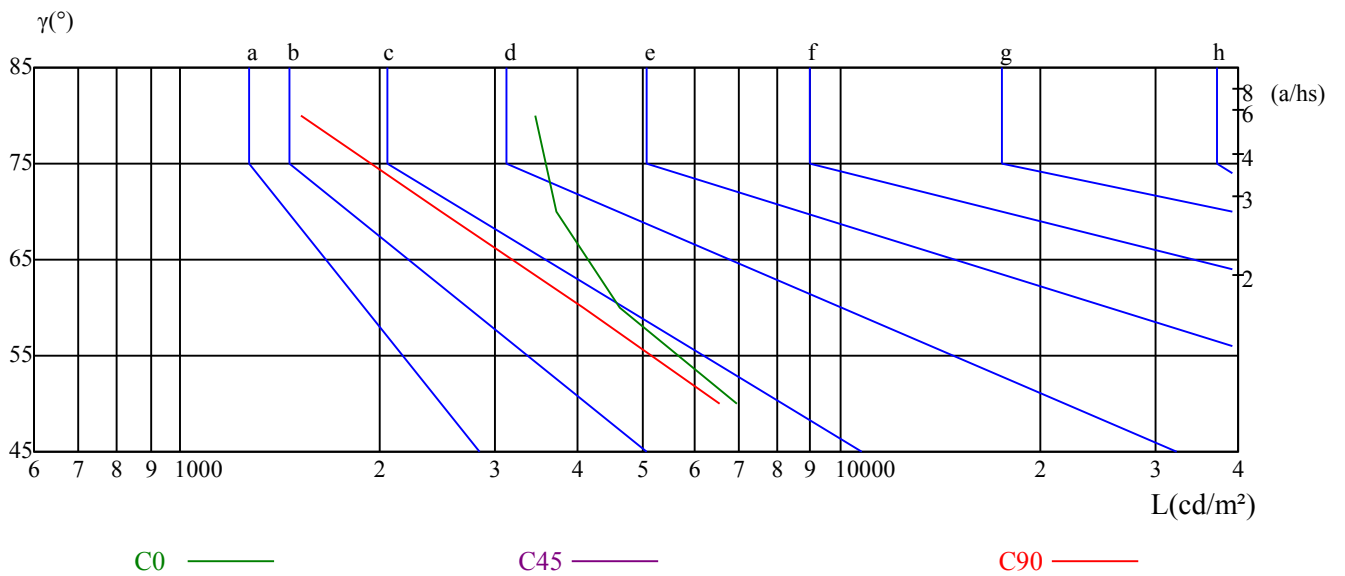
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	6965	0	4619	0	3715	0	3451	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6577	0	4079	0	2485	0	1522	0

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	6.49	7.54	6.85	7.85	8.16	6.61	7.66	6.98	7.98	8.29
	3H	7.19	8.12	7.57	8.45	8.82	7.80	8.73	8.19	9.06	9.43
	4H	7.45	8.31	7.86	8.66	9.05	8.27	9.13	8.67	9.48	9.87
	6H	7.60	8.39	8.02	8.77	9.16	8.60	9.39	9.02	9.76	10.16
	8H	7.63	8.37	8.06	8.76	9.17	8.71	9.45	9.15	9.85	10.25
	12H	7.64	8.35	8.08	8.73	9.16	8.86	9.57	9.30	9.95	10.38
4H	2H	6.81	7.67	7.21	8.02	8.41	6.91	7.77	7.32	8.13	8.51
	3H	7.65	8.36	8.07	8.76	9.17	8.35	9.06	8.77	9.46	9.87
	4H	7.99	8.62	8.43	9.04	9.49	8.93	9.56	9.37	9.98	10.43
	6H	8.19	8.72	8.66	9.17	9.65	9.29	9.83	9.76	10.28	10.75
	8H	8.23	8.73	8.71	9.18	9.65	9.43	9.93	9.91	10.38	10.85
	12H	8.26	8.69	8.75	9.18	9.65	9.59	10.02	10.08	10.51	10.99
8H	4H	8.15	8.65	8.62	9.10	9.57	8.99	9.49	9.47	9.94	10.42
	6H	8.44	8.83	8.95	9.34	9.82	9.43	9.83	9.94	10.33	10.82
	8H	8.52	8.88	9.06	9.40	9.89	9.62	9.98	10.15	10.50	10.99
	12H	9.12	9.43	9.64	9.93	10.50	10.33	10.63	10.85	11.13	11.71
12H	4H	8.13	8.56	8.62	9.05	9.53	8.96	9.39	9.45	9.88	10.36
	6H	8.76	8.80	8.98	9.27	9.81	9.73	9.77	9.95	10.24	10.79
	8H	8.56	8.87	9.08	9.37	9.95	9.64	9.94	10.16	10.44	11.02
对应照射距离，改变观察者位置S											
S = 1.0H	1.7/-1.6					1.5/-1.3					
S = 1.5H	3.0/-2.5					2.8/-1.9					
S = 2.0H	5.2/-3.1					4.6/-2.1					
标准表格	BK2					BK2					
更正系数	-2.5					-1.7					

# 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	14280.10	14277.80	13947.06	13264.86	12319.45	11143.07	9832.39	8443.44	7217.17
30.0	14800.38	14633.09	14108.98	13297.86	12159.07	10859.91	9537.72	8129.58	6882.60
60.0	14659.95	14455.83	13862.65	12993.98	11845.22	10595.16	9177.05	7801.91	6579.48
90.0	14558.66	14381.39	13855.74	13003.95	11873.61	10655.78	9273.74	7889.39	6663.13
120.0	14451.99	14179.57	13574.88	12698.54	11552.85	10251.38	8948.37	7604.70	6362.31
150.0	14372.95	14125.09	13546.49	12666.31	11532.13	10325.81	8989.04	7649.97	6470.51
180.0	14280.10	13935.55	13274.84	12357.82	11198.32	9906.06	8616.87	7314.63	6105.24
210.0	14800.38	14605.47	14096.70	13231.86	12180.56	10904.41	9499.35	8197.11	6913.29
240.0	14659.95	14524.13	14077.51	13283.28	12187.47	10999.57	9637.48	8226.27	6944.75
270.0	14558.66	14400.58	13927.11	13099.88	12019.41	10826.14	9442.56	8095.82	6834.25
300.0	14451.99	14369.12	13974.68	13228.79	12172.12	11010.31	9682.75	8363.63	7022.26
330.0	14372.95	14287.01	13852.67	13114.46	12083.10	10923.60	9493.98	8225.50	6935.54
360.0	14280.10	14277.80	13947.06	13264.86	12319.45	11143.07	9832.39	8443.44	7217.17
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6010.09	4918.11	4058.65	3293.58	2656.66	2158.63	1771.87	1443.43	1194.80
30.0	5624.87	4631.11	3762.44	3076.41	2484.00	2018.97	1661.37	1353.65	1105.79
60.0	5415.37	4416.25	3572.90	2916.03	2358.91	1910.77	1530.07	1287.66	1051.61
90.0	5489.81	4525.98	3634.29	2964.37	2398.05	1979.06	1623.00	1323.72	1088.14
120.0	5229.67	4326.47	3520.72	2889.94	2348.17	1920.74	1526.23	1322.19	1093.59
150.0	5357.05	4428.53	3604.37	2928.31	2385.77	1957.58	1625.30	1342.14	1121.14
180.0	5025.55	4153.04	3382.59	2741.07	2254.55	1831.73	1519.63	1230.64	1016.08
210.0	5708.51	4687.13	3862.20	3122.45	2536.18	2079.59	1679.02	1376.60	1117.61
240.0	5828.99	4775.38	3940.48	3196.12	2579.15	2114.12	1690.53	1378.97	1120.37
270.0	5708.51	4701.71	3834.58	3135.50	2556.90	2091.10	1706.64	1423.25	1140.40
300.0	5901.89	4836.77	4001.87	3255.98	2629.03	2164.00	1765.73	1441.13	1187.13
330.0	5790.62	4759.27	3870.64	3156.98	2570.71	2097.24	1705.11	1429.08	1177.62
360.0	6010.09	4918.11	4058.65	3293.58	2656.66	2158.63	1771.87	1443.43	1194.80
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	978.40	801.91	666.08	557.88	475.01	406.71	353.22	305.57	266.43
30.0	906.27	755.10	630.02	531.02	456.59	390.59	340.87	295.75	260.22
60.0	872.12	722.87	605.38	516.21	441.01	380.23	330.28	290.38	254.15
90.0	895.53	741.29	619.27	527.95	450.45	390.59	333.58	288.53	251.01
120.0	917.78	768.76	648.89	551.67	473.62	411.93	358.06	314.55	274.64
150.0	930.83	776.58	654.57	560.95	479.61	412.85	361.05	314.09	276.64
180.0	832.68	694.63	578.83	486.67	416.92	356.83	307.72	267.20	234.66
210.0	911.34	746.66	621.73	515.22	435.72	371.87	320.84	278.40	244.26
240.0	917.78	746.66	616.97	518.75	435.10	388.29	320.61	280.32	245.56
270.0	934.59	769.37	638.46	536.70	455.74	389.37	333.58	290.91	252.01
300.0	988.38	818.02	692.94	584.74	496.49	428.20	389.06	326.13	285.85
330.0	976.49	812.96	682.04	579.29	496.26	426.97	367.96	322.91	282.78
360.0	978.40	801.91	666.08	557.88	475.01	406.71	353.22	305.57	266.43
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	231.90	204.43	179.95	157.62	139.05	122.93	109.81	97.00	86.71
30.0	228.45	202.59	179.18	158.69	141.20	124.16	109.35	96.69	85.49
60.0	222.31	196.22	172.28	150.79	129.61	108.58	85.03	68.53	58.32
90.0	218.86	191.69	164.53	139.20	111.88	88.17	76.51	66.84	58.01
120.0	239.19	208.88	184.32	161.07	138.36	115.80	90.09	70.68	60.55
150.0	242.87	213.48	188.39	167.75	148.56	130.99	116.10	101.68	88.94
180.0	205.50	182.18	160.69	141.50	124.24	110.43	98.07	87.02	77.35
210.0	213.48	188.93	168.67	148.79	133.37	118.48	105.28	93.16	82.57
240.0	216.86	190.92	169.05	148.49	131.22	114.49	96.54	78.96	63.69
270.0	220.16	192.76	168.52	145.11	124.01	101.45	81.50	71.14	62.16
300.0	252.08	221.31	194.84	170.36	150.18	130.30	108.97	87.56	68.83
330.0	249.09	219.55	193.99	171.05	152.48	134.52	118.25	105.67	93.77
360.0	231.90	204.43	179.95	157.62	139.05	122.93	109.81	97.00	86.71

# 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	76.12	66.99	58.09	49.19	40.90	31.31	23.10	15.12	7.37
30.0	74.05	62.54	47.04	32.46	24.71	17.73	13.20	3.38	1.61
60.0	49.88	41.90	34.76	29.85	23.71	9.52	6.68	3.22	1.92
90.0	50.11	43.89	38.60	33.00	18.03	9.44	7.83	3.38	2.30
120.0	51.57	43.20	36.07	30.54	24.48	9.29	6.22	3.30	1.92
150.0	77.12	65.00	48.88	32.61	24.86	17.50	13.05	3.22	1.53
180.0	67.68	58.78	50.42	42.59	33.30	25.55	17.96	10.74	3.07
210.0	72.82	62.92	51.95	38.22	28.24	20.64	15.04	6.60	3.22
240.0	54.02	46.12	39.06	32.31	27.78	18.19	8.44	6.68	3.76
270.0	53.56	46.20	40.44	35.15	24.86	12.66	10.05	5.83	3.91
300.0	58.01	49.27	41.36	33.92	29.08	17.65	7.83	6.29	3.38
330.0	81.96	70.91	58.78	41.67	29.39	21.33	15.42	5.53	2.69
360.0	76.12	66.99	58.09	49.19	40.90	31.31	23.10	15.12	7.37

C/γ(°)	90.0
0.0	0.61
30.0	0.31
60.0	0.38
90.0	0.31
120.0	0.38
150.0	0.31
180.0	0.31
210.0	1.15
240.0	1.07
270.0	0.84
300.0	1.00
330.0	0.92
360.0	0.61