

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

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

报告编号:

电压(V): 23.8000

测试编号: 20210308007

电流(A): 3.5390

光源规格型号: CL

功率(W): 84.4000

每个光源光通量(lm)

功率因数: 1.0230

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): 4214.77

灯具效能(lm/w): 49.94

中心光强(cd): 8154.138

最大光强(cd): 8451.880

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=32.1

[C90/270]Total=32.2

光束扩散角(10%Imax): [C0/180]Total=74.4

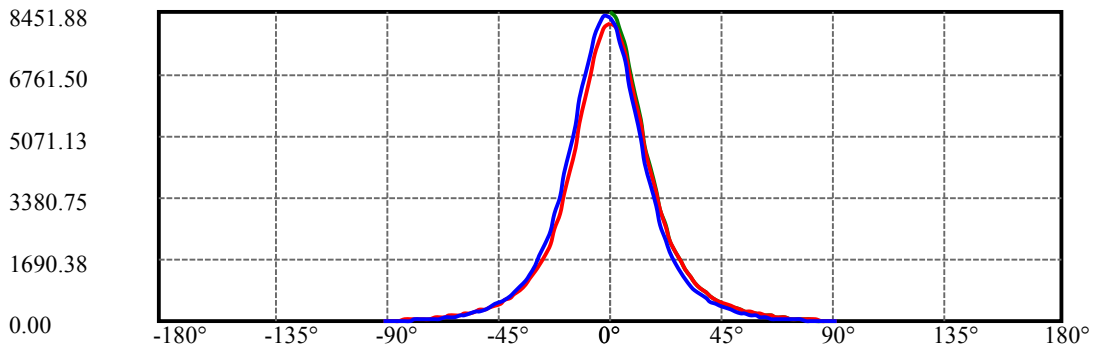
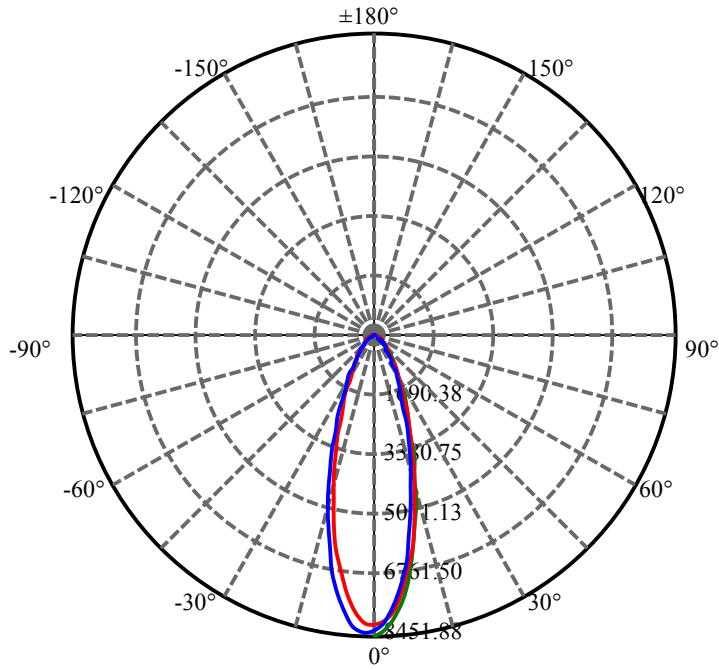
[C90/270]Total=71.7

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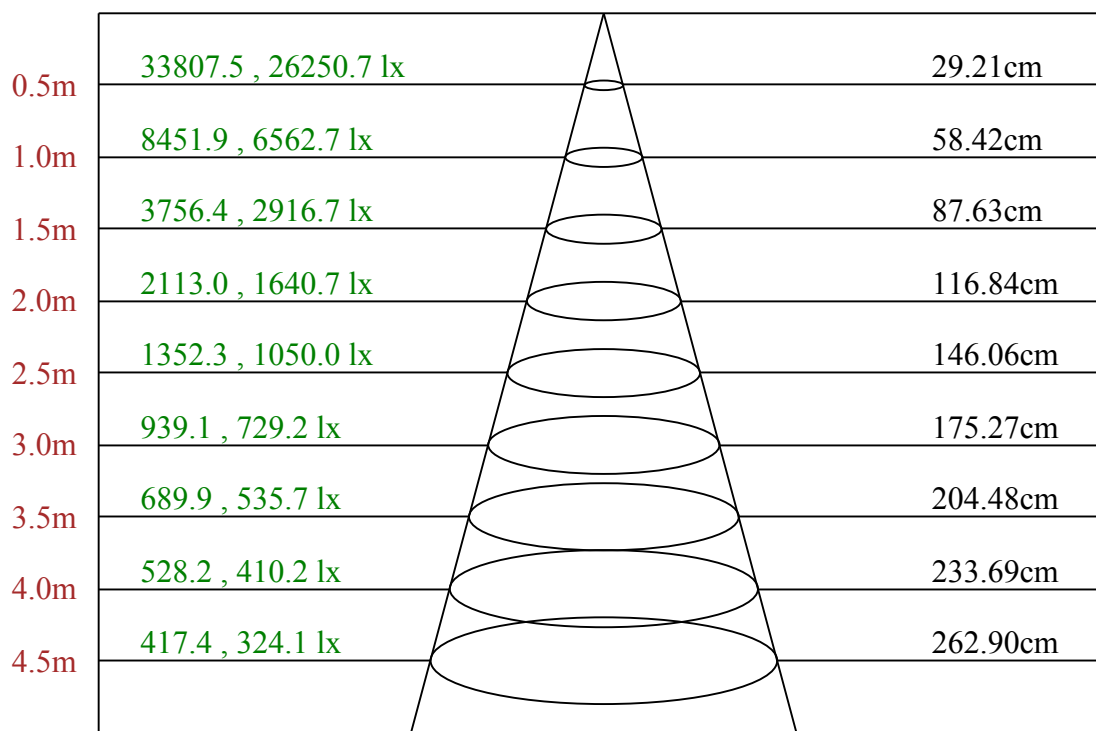
测试设备: GMS1800  
环境温度(°C): 25.0

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

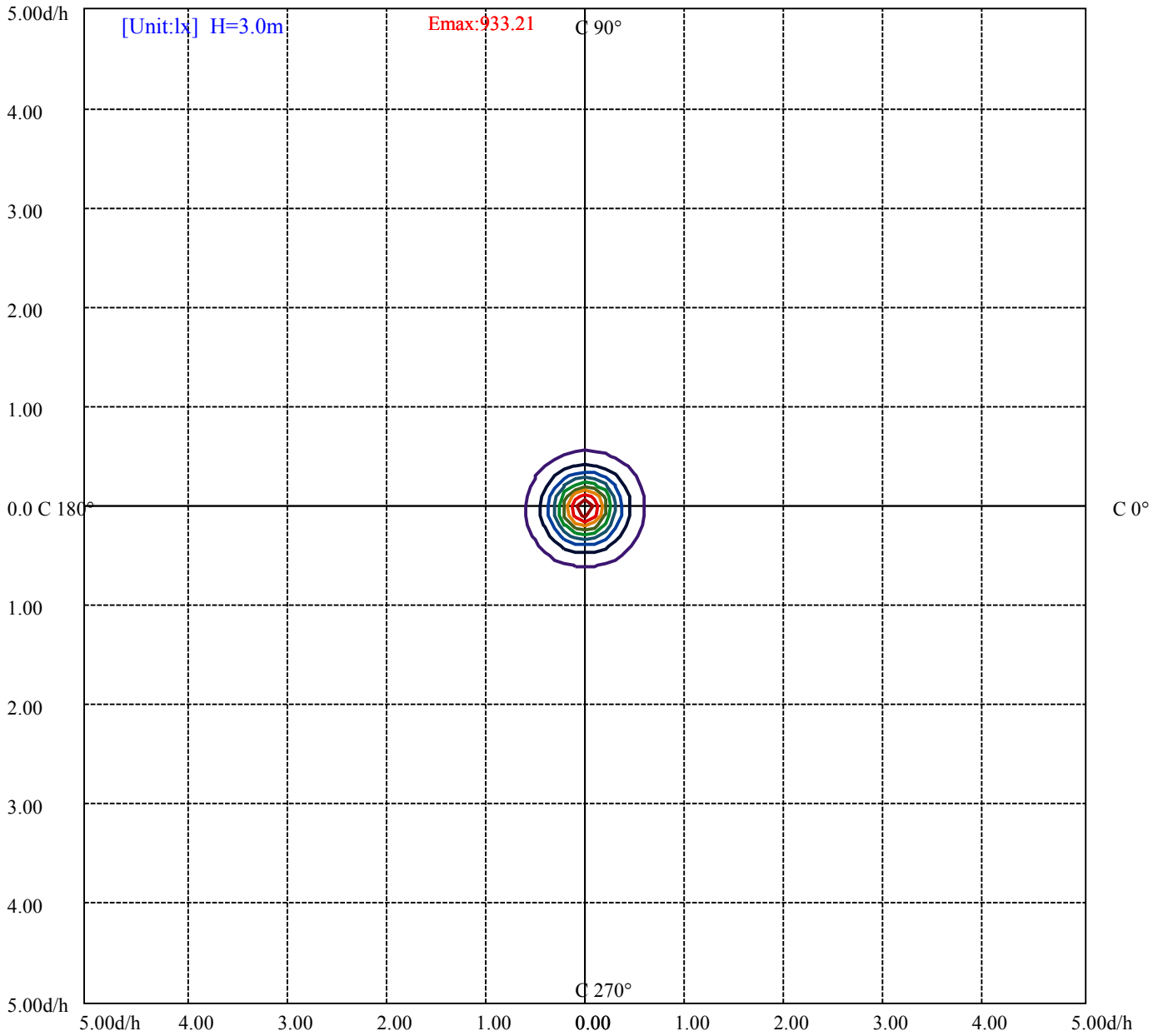


C30(Max): —  
C0/C180: —  
C90/C270: —



Max , Ave    C30面光束角32.57

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平面等照度曲线



(10%Emax) 93.32122	——
(20%Emax) 186.6422	——
(30%Emax) 279.9633	——
(40%Emax) 373.2845	——
(50%Emax) 466.6056	——
(60%Emax) 559.9266	——
(70%Emax) 653.2478	——
(80%Emax) 746.5689	——
(90%Emax) 839.89	——

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

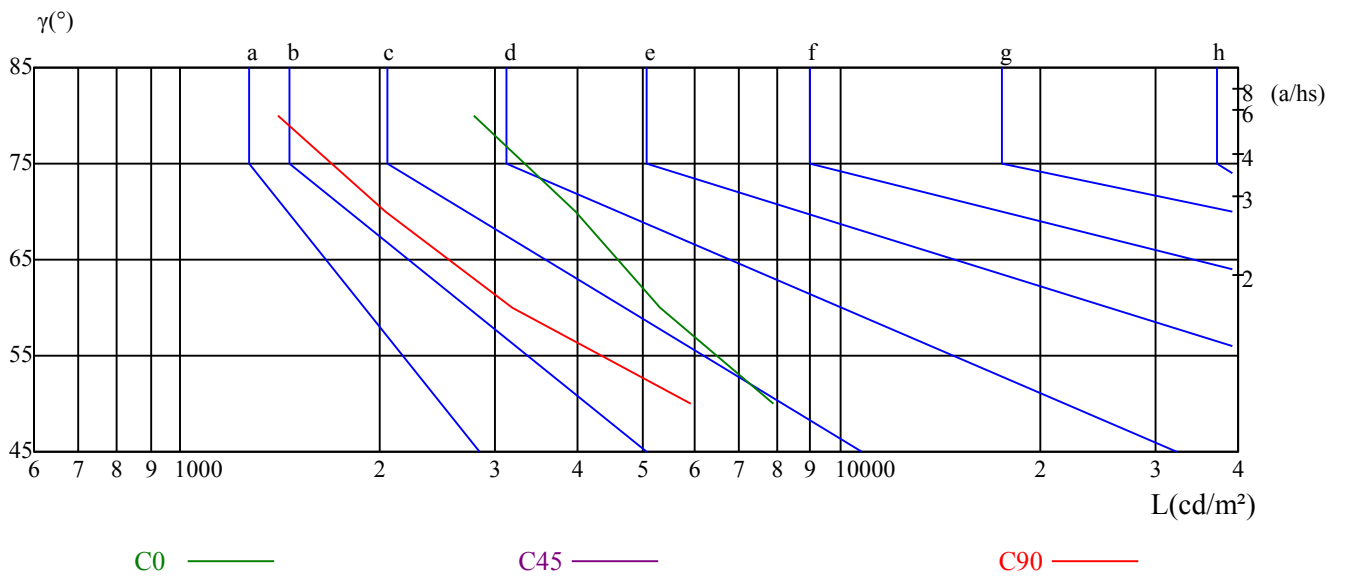
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	7931	0	5320	0	3979	0	2774	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5921	0	3189	0	2049	0	1409	0

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



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

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	8.29	9.43	8.66	9.74	10.05	9.83	10.96	10.19	11.27	11.59
	3H	9.00	10.00	9.38	10.33	10.70	10.91	11.91	11.29	12.25	12.61
	4H	9.23	10.16	9.64	10.52	10.90	11.22	12.15	11.63	12.51	12.89
	6H	9.37	10.22	9.79	10.59	10.99	11.44	12.29	11.85	12.66	13.06
	8H	9.39	10.19	9.82	10.58	10.99	11.51	12.31	11.94	12.70	13.11
	12H	9.41	10.18	9.85	10.56	10.99	11.62	12.39	12.06	12.77	13.20
4H	2H	8.68	9.61	9.08	9.96	10.35	9.99	10.92	10.40	11.27	11.66
	3H	9.59	10.34	10.00	10.75	11.16	11.28	12.04	11.69	12.44	12.85
	4H	9.89	10.56	10.32	10.99	11.43	11.69	12.37	12.13	12.79	13.24
	6H	10.05	10.63	10.52	11.08	11.55	11.95	12.53	12.41	12.97	13.45
	8H	10.09	10.63	10.57	11.08	11.56	12.05	12.59	12.52	13.04	13.51
	12H	10.12	10.59	10.61	11.08	11.55	12.19	12.66	12.68	13.15	13.62
8H	4H	10.06	10.60	10.53	11.05	11.52	11.72	12.26	12.19	12.71	13.18
	6H	10.30	10.73	10.81	11.23	11.72	12.05	12.49	12.56	12.99	13.47
	8H	10.38	10.77	10.91	11.29	11.78	12.21	12.60	12.74	13.12	13.61
	12H	10.94	11.28	11.46	11.77	12.35	12.94	13.28	13.46	13.78	14.35
12H	4H	10.05	10.52	10.54	11.00	11.48	11.68	12.15	12.17	12.64	13.12
	6H	10.71	10.70	10.85	11.17	11.72	12.43	12.42	12.56	12.89	13.44
	8H	10.43	10.77	10.95	11.26	11.84	12.22	12.56	12.74	13.05	13.63
对应照射距离，改变观察者位置S											
S = 1.0H	1.0/-1.5					0.9/-1.1					
S = 1.5H	2.1/-2.7					1.9/-1.8					
S = 2.0H	4.3/-3.4					3.9/-2.0					
标准表格	BK2					BK2					
更正系数	-2.1					-0.2					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	8154.14	8045.94	7754.33	7296.98	6749.07	6046.92	5403.09	4731.64	4113.14
30.0	8451.88	8310.68	7988.38	7485.75	6905.62	6182.75	5498.25	4802.24	4176.83
60.0	8345.98	8116.54	7660.71	7127.39	6472.82	5789.08	5077.73	4394.76	3787.77
90.0	8290.73	8055.91	7630.79	7063.70	6407.59	5724.62	5001.76	4321.09	3714.10
120.0	8220.13	7974.57	7570.16	7016.12	6364.62	5647.89	4979.50	4300.38	3697.98
150.0	8189.44	8045.17	7702.92	7201.06	6628.59	5915.70	5245.01	4565.89	3948.92
180.0	8154.14	8055.91	7775.05	7322.30	6746.00	6073.01	5414.61	4722.43	4088.58
210.0	8451.88	8380.51	8121.91	7680.67	7089.79	6421.40	5749.18	5026.31	4378.65
240.0	8345.98	8388.19	8227.04	7875.58	7369.11	6769.02	6086.83	5377.00	4660.27
270.0	8290.73	8335.24	8182.53	7839.51	7333.81	6718.38	6071.48	5347.08	4650.30
300.0	8220.13	8260.80	8101.19	7752.03	7254.01	6631.66	5997.04	5304.87	4608.09
330.0	8189.44	8138.02	7897.07	7481.92	6918.66	6275.60	5597.24	4937.30	4290.40
360.0	8154.14	8045.94	7754.33	7296.98	6749.07	6046.92	5403.09	4731.64	4113.14
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3539.91	3026.53	2592.20	2216.18	1895.42	1619.16	1406.60	1213.22	1043.63
30.0	3578.27	3057.99	2603.71	2216.95	1905.39	1624.53	1398.93	1200.94	1038.26
60.0	3199.96	2731.86	2305.96	1966.78	1664.44	1428.24	1206.70	1037.03	885.32
90.0	3140.10	2646.68	2217.72	1874.70	1578.49	1330.63	1134.18	964.59	830.30
120.0	3138.57	2652.05	2233.06	1900.02	1519.02	1374.29	1168.25	995.06	855.24
150.0	3361.87	2875.36	2432.58	2056.57	1744.25	1481.04	1272.31	1088.91	940.80
180.0	3488.49	2956.70	2495.51	2115.66	1811.01	1527.00	1339.69	1151.29	990.61
210.0	3760.14	3193.82	2735.70	2330.52	1976.76	1688.99	1469.22	1256.27	1088.98
240.0	4049.44	3459.33	2952.86	2508.55	2128.70	1814.08	1534.75	1318.35	1122.67
270.0	4031.03	3425.57	2926.77	2478.62	2084.19	1764.20	1519.48	1286.05	1096.89
300.0	4011.84	3437.84	2942.89	2487.07	2133.31	1807.17	1555.47	1329.86	1132.65
330.0	3728.68	3186.15	2725.72	2350.47	2003.62	1718.15	1485.87	1283.97	1106.79
360.0	3539.91	3026.53	2592.20	2216.18	1895.42	1619.16	1406.60	1213.22	1043.63
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	911.64	790.40	684.50	597.02	524.12	455.82	402.11	353.30	308.56
30.0	891.69	768.91	665.31	577.07	505.70	442.78	389.06	342.86	301.27
60.0	766.61	660.86	570.08	498.03	432.80	376.09	327.21	286.46	248.94
90.0	709.82	610.83	527.19	459.66	397.50	347.16	303.96	263.75	228.14
120.0	729.62	633.47	547.06	478.38	416.15	362.12	315.62	276.95	241.11
150.0	808.81	698.31	604.69	528.72	461.19	403.64	358.29	314.93	279.32
180.0	856.62	747.04	647.90	565.02	496.65	434.33	381.16	334.58	295.59
210.0	939.88	808.51	701.30	609.91	532.87	466.26	411.54	359.67	318.54
240.0	971.50	834.14	715.96	624.64	537.16	468.10	409.01	355.22	296.28
270.0	947.94	809.81	702.23	602.77	522.35	446.69	377.09	323.68	278.33
300.0	981.47	843.35	722.87	626.95	546.37	472.70	411.31	357.14	298.13
330.0	963.21	828.61	717.80	623.42	543.76	474.39	415.07	364.35	319.38
360.0	911.64	790.40	684.50	597.02	524.12	455.82	402.11	353.30	308.56
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	271.11	237.50	209.49	184.32	162.76	142.50	125.16	109.04	94.31
30.0	264.90	234.28	205.50	179.18	156.62	135.67	118.33	102.44	88.71
60.0	217.17	190.08	162.91	137.90	116.33	99.91	86.71	76.58	65.15
90.0	191.69	161.99	133.37	110.50	86.25	72.52	63.77	55.79	48.57
120.0	210.49	184.25	158.23	135.60	113.80	97.84	85.18	75.43	64.31
150.0	244.72	217.17	191.15	168.44	146.19	126.16	110.12	95.85	83.41
180.0	260.14	230.83	203.28	179.18	158.00	139.82	123.24	108.66	94.77
210.0	280.32	245.79	216.71	190.16	166.60	142.89	116.10	98.99	86.18
240.0	254.69	217.78	188.08	159.92	134.60	111.96	94.69	82.11	70.91
270.0	237.89	197.60	162.22	132.37	109.43	92.70	80.04	69.75	60.39
300.0	254.77	220.85	188.16	159.00	133.52	110.58	93.62	80.50	70.45
330.0	282.16	246.33	215.94	188.31	164.14	140.28	114.19	97.46	84.49
360.0	271.11	237.50	209.49	184.32	162.76	142.50	125.16	109.04	94.31

# 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	73.82	58.09	48.19	40.29	33.38	26.47	19.72	12.97	6.14
30.0	75.05	60.78	46.73	35.68	27.55	19.95	12.66	5.45	2.15
60.0	46.27	37.99	31.92	26.17	18.57	11.74	6.52	4.07	2.30
90.0	41.28	35.68	29.93	22.56	16.96	10.67	5.91	4.53	2.30
120.0	45.35	37.75	31.62	25.71	18.34	11.28	6.60	3.91	2.30
150.0	71.60	60.70	47.04	33.84	25.71	18.80	12.12	5.22	2.07
180.0	76.28	59.47	48.42	40.98	33.99	27.63	21.26	14.81	8.36
210.0	75.28	63.00	52.41	40.90	31.62	22.94	15.42	7.29	2.76
240.0	61.39	49.11	40.21	33.30	26.93	19.11	12.05	6.75	3.99
270.0	51.80	43.20	37.14	30.85	22.56	16.88	10.74	6.52	4.53
300.0	60.16	48.04	39.37	32.77	26.40	18.19	11.43	6.52	3.84
330.0	72.59	60.93	50.34	39.44	29.62	21.72	14.66	6.83	2.69
360.0	73.82	58.09	48.19	40.29	33.38	26.47	19.72	12.97	6.14

C/γ(°)	90.0
0.0	0.38
30.0	0.46
60.0	0.23
90.0	0.23
120.0	0.23
150.0	0.46
180.0	1.07
210.0	1.46
240.0	2.30
270.0	2.76
300.0	2.07
330.0	1.30
360.0	0.38