

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3072A-48-UN(45-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210330001

电流(A): 0.2660

光源规格型号: OL

功率(W): 53.6000

每个光源光通量(lm)

功率因数: 0.9150

光源数量: 48

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 103

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): 4919.43

灯具效能(lm/w): 91.78

中心光强(cd): 6501.977

最大光强(cd): 6565.669

最大光强角度: C=30.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=43.0

[C90/270]Total=43.0

光束扩散角(10%Imax): [C0/180]Total=87.6

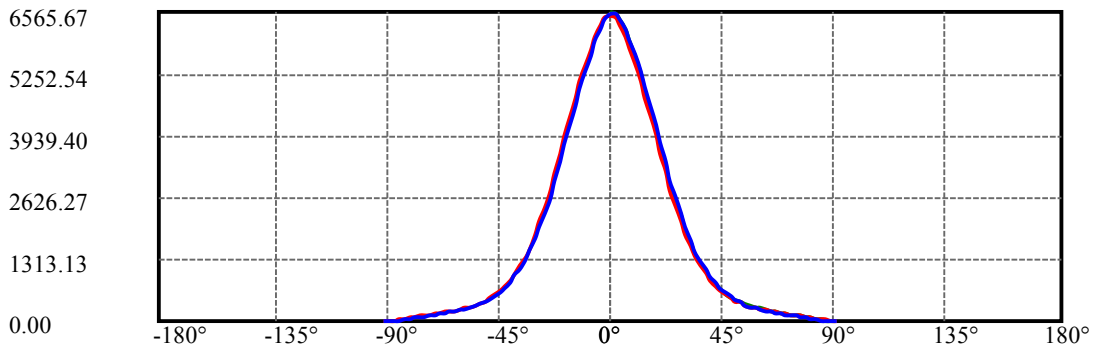
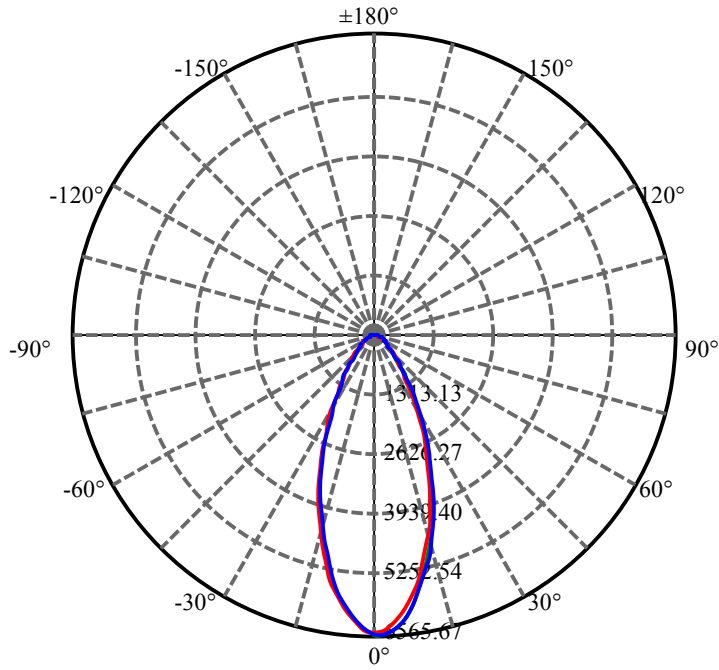
[C90/270]Total=87.9

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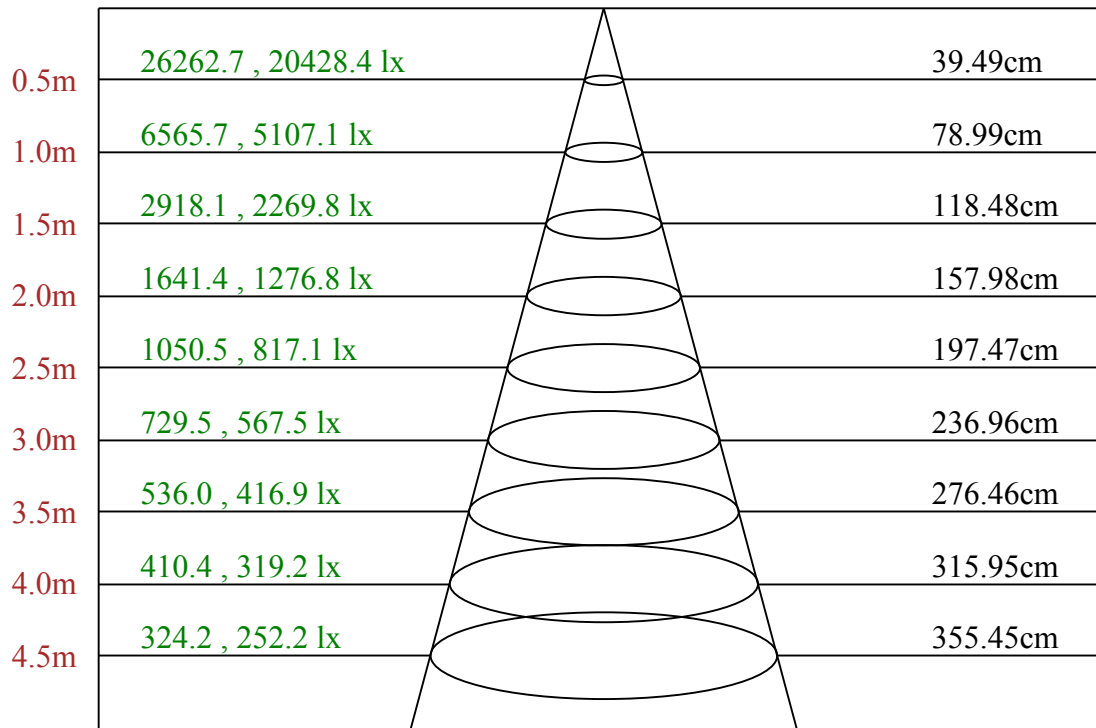
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/30  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

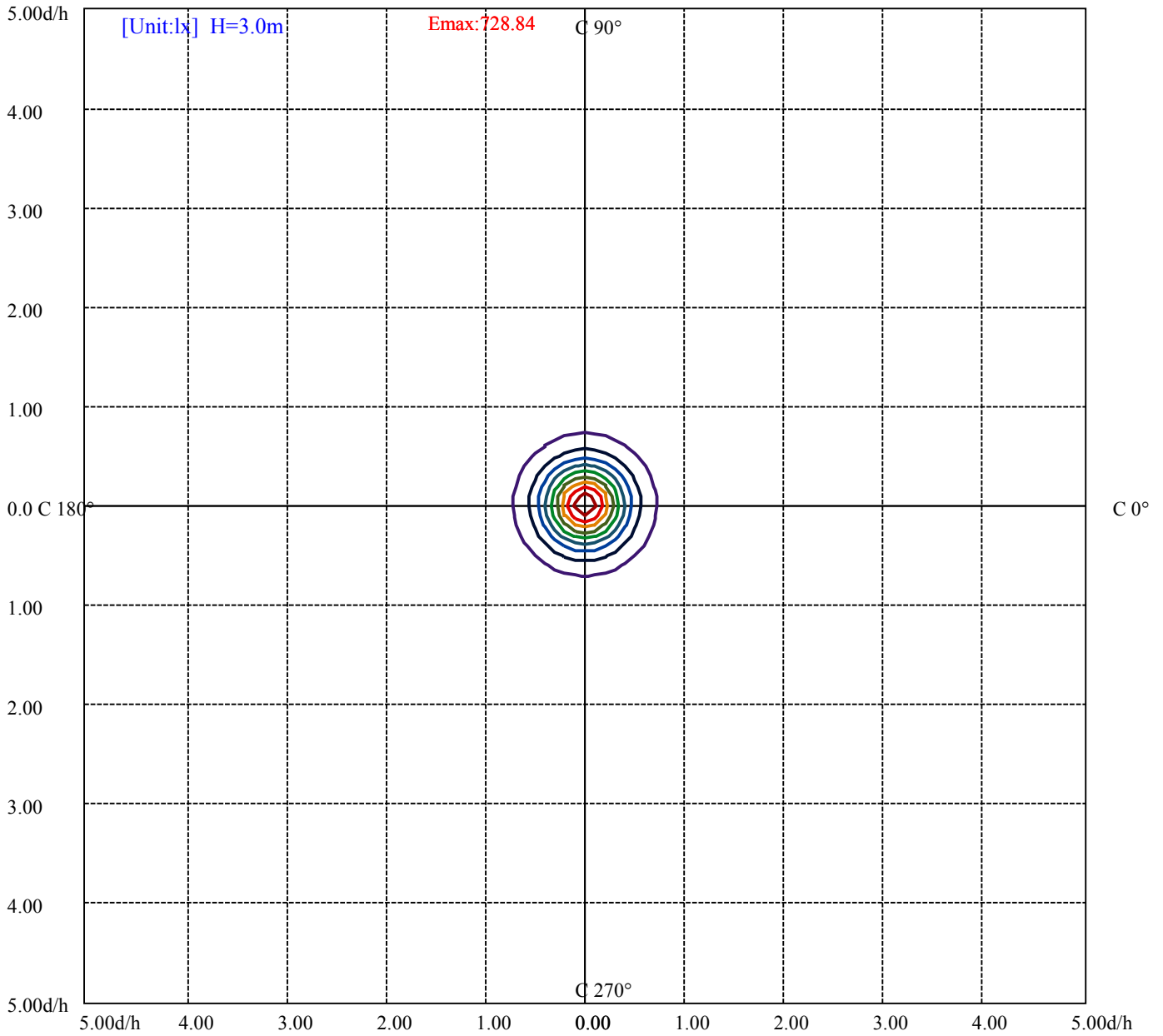


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角43.10

ROLED 投光灯  
平面等照度曲线



(10%Emax) 72.88367	——
(20%Emax) 145.7678	——
(30%Emax) 218.6511	——
(40%Emax) 291.5345	——
(50%Emax) 364.4178	——
(60%Emax) 437.3022	——
(70%Emax) 510.1855	——
(80%Emax) 583.0689	——
(90%Emax) 655.9522	——

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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

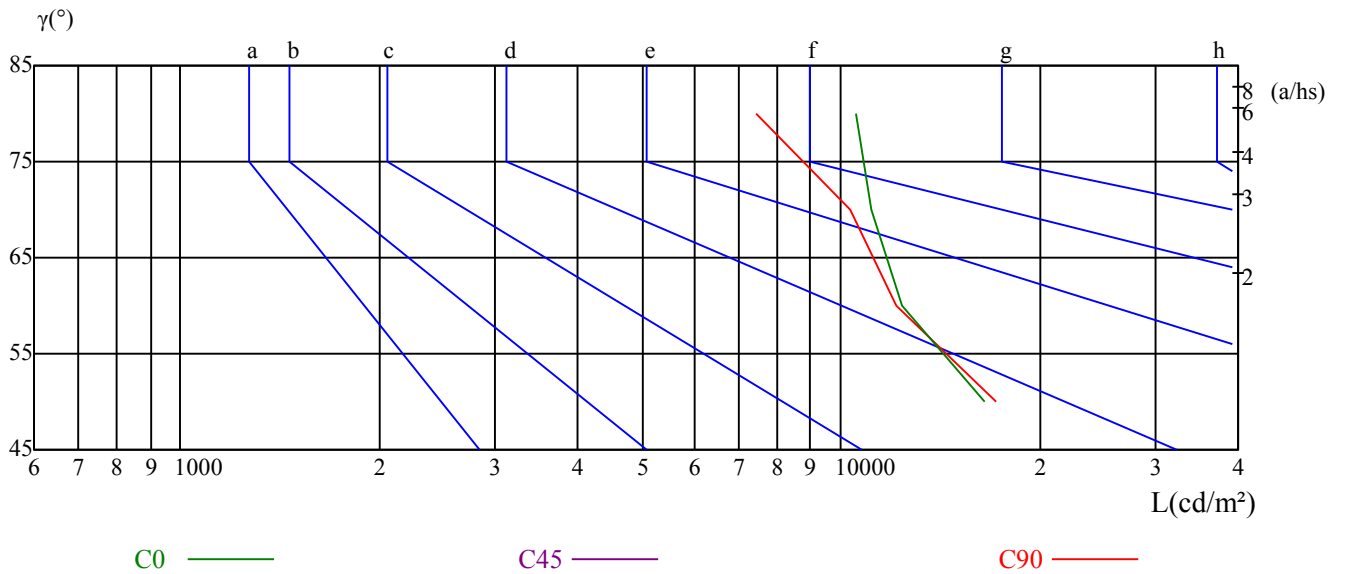
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	16494	0	12367	0	11165	0	10517	0
C45	0	0	0	0	0	0	0	0	0
C90	0	17207	0	12169	0	10339	0	7459	0

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	12.31	13.51	12.68	13.82	14.14	12.61	13.81	12.98	14.12	14.44
	3H	13.75	14.82	14.13	15.15	15.51	14.18	15.24	14.56	15.57	15.94
	4H	14.29	15.27	14.69	15.63	16.01	14.81	15.80	15.21	16.15	16.53
	6H	14.59	15.50	15.01	15.87	16.27	15.30	16.20	15.71	16.58	16.97
	8H	14.64	15.50	15.08	15.89	16.30	15.45	16.31	15.88	16.70	17.11
	12H	14.68	15.50	15.11	15.88	16.31	15.62	16.44	16.06	16.83	17.26
4H	2H	12.82	13.81	13.22	14.16	14.54	13.06	14.05	13.46	14.40	14.78
	3H	14.46	15.27	14.87	15.68	16.08	14.88	15.69	15.29	16.09	16.50
	4H	15.11	15.83	15.54	16.25	16.70	15.63	16.36	16.06	16.78	17.22
	6H	15.44	16.07	15.91	16.51	16.98	16.13	16.76	16.60	17.21	17.68
	8H	15.52	16.10	15.99	16.55	17.02	16.33	16.92	16.80	17.36	17.84
	12H	15.55	16.06	16.04	16.55	17.02	16.51	17.02	17.00	17.51	17.99
8H	4H	15.35	15.94	15.83	16.39	16.86	15.82	16.40	16.29	16.85	17.32
	6H	15.78	16.25	16.29	16.75	17.23	16.44	16.92	16.95	17.41	17.90
	8H	15.90	16.32	16.42	16.84	17.33	16.71	17.13	17.23	17.64	18.14
	12H	16.47	16.83	16.99	17.33	17.91	17.38	17.75	17.90	18.24	18.82
12H	4H	15.36	15.87	15.85	16.36	16.83	15.80	16.31	16.29	16.80	17.27
	6H	16.29	16.24	16.35	16.71	17.25	16.93	16.87	16.98	17.34	17.89
	8H	15.97	16.33	16.48	16.83	17.40	16.75	17.11	17.27	17.61	18.19
对应照射距离，改变观察者位置S											
S = 1.0H	0.9/-1.0					0.7/-0.9					
S = 1.5H	1.7/-1.4					1.3/-1.2					
S = 2.0H	3.4/-1.6					2.6/-1.3					
标准表格	BK3					BK3					
更正系数	4.2					4.5					

# ROLED 投光灯

光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	6501.98	6442.12	6278.67	6036.95	5773.74	5449.90	5088.47	4716.29	4344.12
30.0	6565.67	6543.42	6412.19	6203.47	5936.42	5632.54	5278.78	4892.02	4483.01
60.0	6553.39	6528.84	6396.08	6205.00	5937.96	5622.56	5274.94	4905.07	4498.36
90.0	6532.67	6529.60	6404.52	6211.14	5956.37	5652.49	5313.31	4963.39	4568.96
120.0	6525.00	6491.23	6358.48	6157.43	5892.68	5581.89	5251.15	4863.63	4460.76
150.0	6509.65	6482.79	6339.29	6135.17	5889.61	5578.82	5233.50	4856.72	4476.87
180.0	6501.98	6434.45	6260.25	6027.74	5756.09	5430.72	5096.91	4713.99	4318.02
210.0	6565.67	6469.75	6284.81	6054.60	5756.09	5420.74	5043.96	4663.34	4237.45
240.0	6553.39	6459.00	6272.53	6016.23	5735.37	5393.12	5012.50	4641.09	4229.78
270.0	6532.67	6414.50	6197.33	5934.89	5642.52	5289.52	4921.95	4554.38	4145.37
300.0	6525.00	6428.31	6248.74	6001.65	5710.04	5367.03	5005.59	4618.84	4232.08
330.0	6509.65	6409.89	6228.79	5987.83	5695.46	5350.15	4999.45	4608.86	4195.24
360.0	6501.98	6442.12	6278.67	6036.95	5773.74	5449.90	5088.47	4716.29	4344.12
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3938.94	3545.28	3169.26	2787.11	2441.79	2116.42	1841.70	1587.70	1370.53
30.0	4093.18	3678.80	3270.56	2906.05	2545.39	2230.76	1933.02	1665.21	1428.85
60.0	4087.04	3688.01	3280.53	2896.08	2550.76	2218.48	1920.74	1651.39	1436.83
90.0	4168.39	3780.86	3371.08	2981.26	2631.33	2293.69	1992.88	1729.67	1479.50
120.0	4074.00	3658.08	3272.09	2891.47	2529.27	2200.83	1905.39	1652.16	1425.86
150.0	4070.93	3660.38	3275.16	2889.94	2529.27	2215.41	1919.21	1651.39	1426.55
180.0	3920.52	3532.23	3132.43	2758.72	2421.84	2101.84	1818.68	1523.70	1357.33
210.0	3826.14	3415.59	3014.25	2665.86	2328.99	2028.17	1756.52	1523.01	1304.54
240.0	3810.02	3412.52	3039.58	2667.40	2335.89	2041.22	1759.59	1530.15	1311.45
270.0	3767.05	3372.62	2979.72	2622.12	2291.38	2000.55	1735.80	1511.81	1292.11
300.0	3816.93	3426.33	3057.23	2666.63	2352.01	2038.15	1770.34	1529.38	1309.91
330.0	3817.70	3422.50	3047.25	2669.70	2346.64	2032.78	1757.29	1520.10	1311.14
360.0	3938.94	3545.28	3169.26	2787.11	2441.79	2116.42	1841.70	1587.70	1370.53
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1171.02	1006.03	858.69	742.05	639.99	552.51	483.45	425.89	388.29
30.0	1226.27	1056.68	903.97	781.19	672.99	582.44	508.00	448.91	396.73
60.0	1231.18	1052.30	899.44	777.12	668.00	577.30	505.78	441.24	389.29
90.0	1267.71	1092.74	933.13	800.37	686.80	594.72	513.37	444.31	388.29
120.0	1230.49	1050.54	896.76	774.28	665.47	574.23	499.18	437.56	383.00
150.0	1222.43	1046.70	900.90	772.75	665.31	579.37	501.10	442.78	391.36
180.0	1172.63	994.75	857.77	736.60	639.15	552.51	481.22	424.74	373.02
210.0	1129.58	968.89	828.77	720.72	623.95	545.45	479.00	423.05	376.09
240.0	1121.90	963.82	831.07	712.89	617.74	538.70	471.17	415.15	367.27
270.0	1111.31	961.14	822.47	709.75	617.74	533.40	465.41	406.86	357.14
300.0	1130.34	969.96	829.53	712.89	621.57	538.70	471.17	415.15	369.26
330.0	1134.41	972.65	830.53	716.35	624.41	541.46	478.31	422.21	374.79
360.0	1171.02	1006.03	858.69	742.05	639.99	552.51	483.45	425.89	388.29
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	336.11	303.57	272.88	248.40	226.45	205.81	188.16	170.82	153.40
30.0	356.22	322.22	291.07	265.90	241.80	221.46	200.29	181.56	161.61
60.0	343.78	304.73	271.65	245.64	222.00	200.44	180.87	161.15	141.89
90.0	341.94	304.73	272.03	244.41	221.31	197.83	178.57	159.15	142.04
120.0	339.56	300.50	267.51	240.42	218.16	196.83	176.42	158.08	139.51
150.0	352.07	315.93	285.08	260.06	237.27	215.79	195.07	176.57	157.01
180.0	334.27	299.66	271.34	245.71	223.54	204.35	185.78	168.36	151.17
210.0	339.95	306.80	278.10	255.15	233.36	212.49	192.53	173.66	153.48
240.0	328.28	293.91	264.74	239.11	217.09	196.06	176.65	157.47	138.28
270.0	319.00	285.00	257.68	233.90	212.33	191.00	171.74	151.94	135.13
300.0	327.82	294.75	263.67	238.04	216.09	195.99	175.88	156.93	138.97
330.0	336.57	305.19	276.41	252.47	231.90	211.03	191.31	171.66	153.09
360.0	336.11	303.57	272.88	248.40	226.45	205.81	188.16	170.82	153.40

# 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	136.90	121.86	105.28	89.32	73.36	55.33	38.37	20.87	4.91
30.0	141.81	123.24	103.52	84.10	66.92	49.96	30.46	13.74	4.07
60.0	125.39	109.27	90.78	70.75	52.26	34.15	17.57	8.90	4.07
90.0	125.24	107.66	88.86	67.76	52.03	30.46	14.81	8.75	4.60
120.0	122.55	106.44	89.09	69.29	50.49	33.15	15.12	7.98	3.76
150.0	138.74	119.79	100.37	81.03	64.77	46.73	27.01	11.28	3.30
180.0	135.37	119.25	102.60	86.94	69.75	52.18	35.22	18.19	2.99
210.0	134.37	114.34	94.16	75.51	58.70	39.29	22.02	6.52	2.38
240.0	121.32	105.90	86.33	65.61	48.81	29.08	14.04	6.98	3.91
270.0	119.33	100.30	80.57	62.00	43.13	25.48	14.66	6.45	4.14
300.0	121.86	106.13	87.25	67.84	49.65	31.08	14.43	7.75	3.99
330.0	134.21	114.72	96.08	77.27	60.09	41.75	24.02	8.90	2.46
360.0	136.90	121.86	105.28	89.32	73.36	55.33	38.37	20.87	4.91
C/γ(°)	90.0								
0.0	0.61								
30.0	1.46								
60.0	1.53								
90.0	1.53								
120.0	1.00								
150.0	0.84								
180.0	0.46								
210.0	0.38								
240.0	0.31								
270.0	0.31								
300.0	0.38								
330.0	0.46								
360.0	0.61								