

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F3483S6-48-24DC (45-OL-48WN-AA, L1000.C.CT)

报告编号:

电压(V): 24.0000

测试编号: 20210402007

电流(A): 1.9170

光源规格型号: OD

功率(W): 46.0000

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): 987

发光面宽度(mm): 72

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): 4352.87

灯具效能(lm/w): 94.63

中心光强(cd): 5646.353

最大光强(cd): 5805.967

最大光强角度:  $C=30.0$   $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=43.5

[C90/270]Total=42.8

光束扩散角(10%Imax): [C0/180]Total=89.4

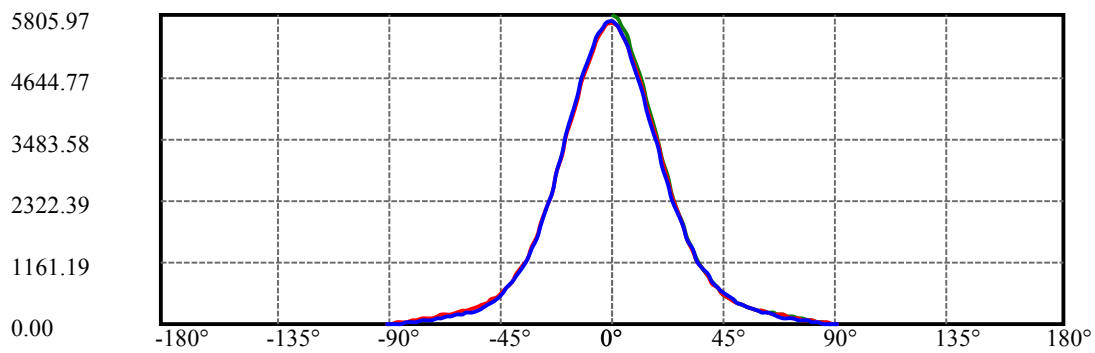
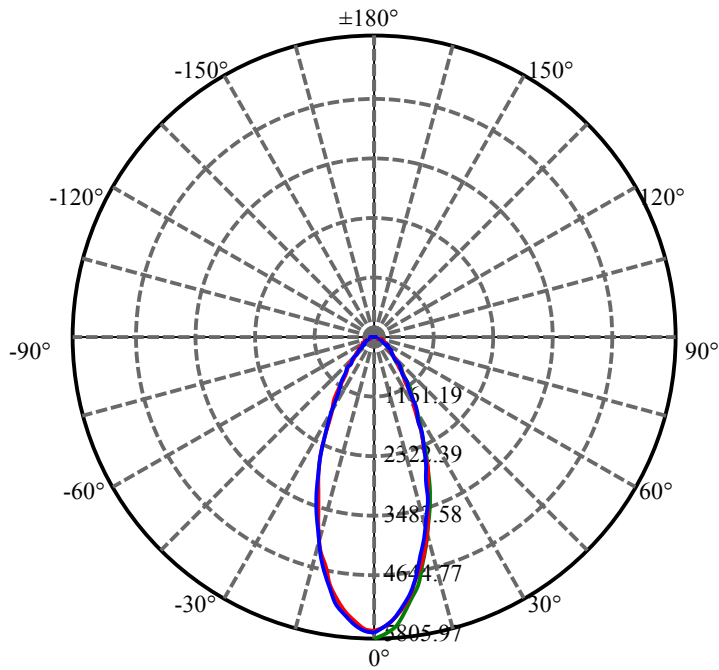
[C90/270]Total=89.3

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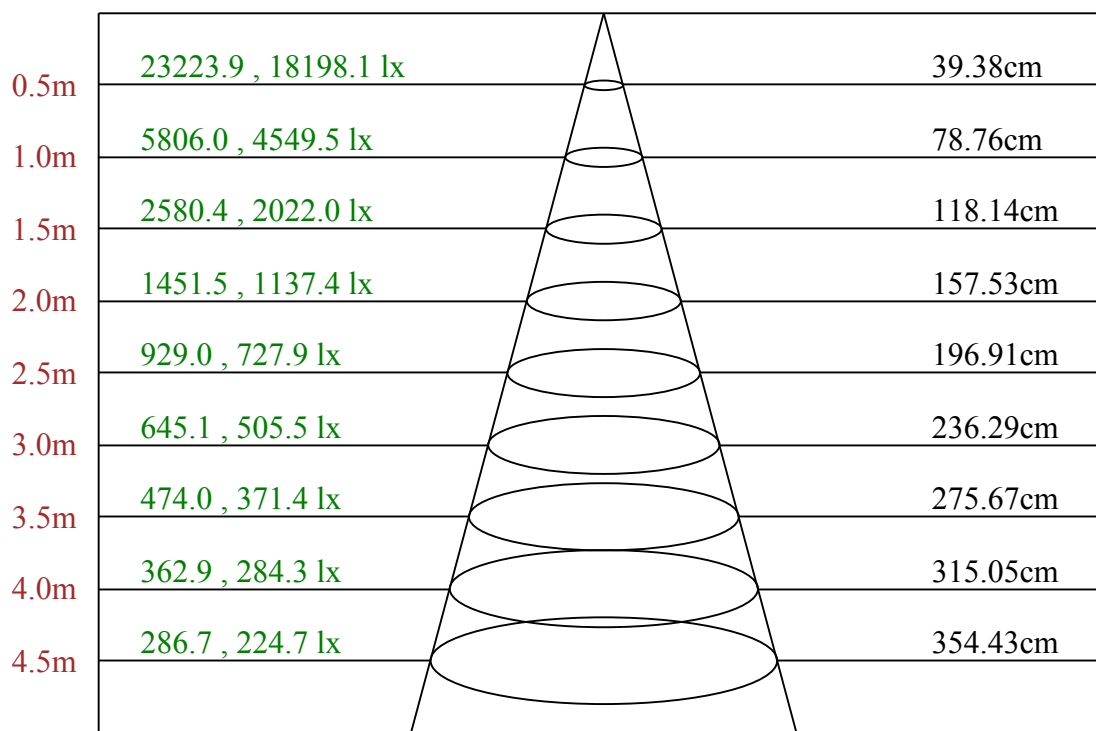
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

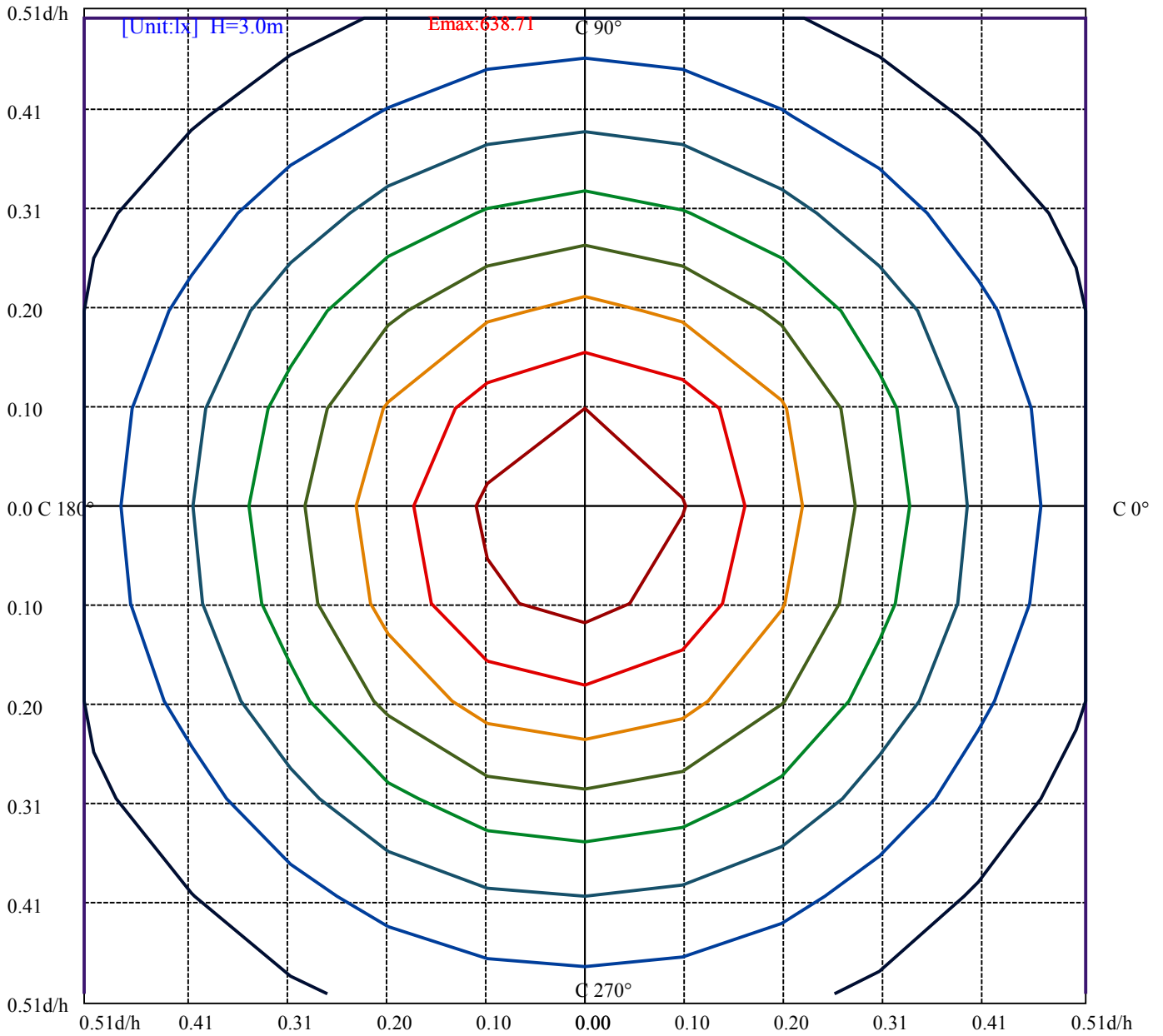











C30(Max): ————  
C0/C180: ————  
C90/C270: ————



Max , Ave    C30面光束角42.99

ROLED 投光灯  
平面等照度曲线



(10%Emax) 63.87111	
(20%Emax) 127.7422	
(30%Emax) 191.6133	
(40%Emax) 255.4845	
(50%Emax) 319.3556	
(60%Emax) 383.2267	
(70%Emax) 447.0978	
(80%Emax) 510.9689	
(90%Emax) 574.84	

测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/4/2  
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

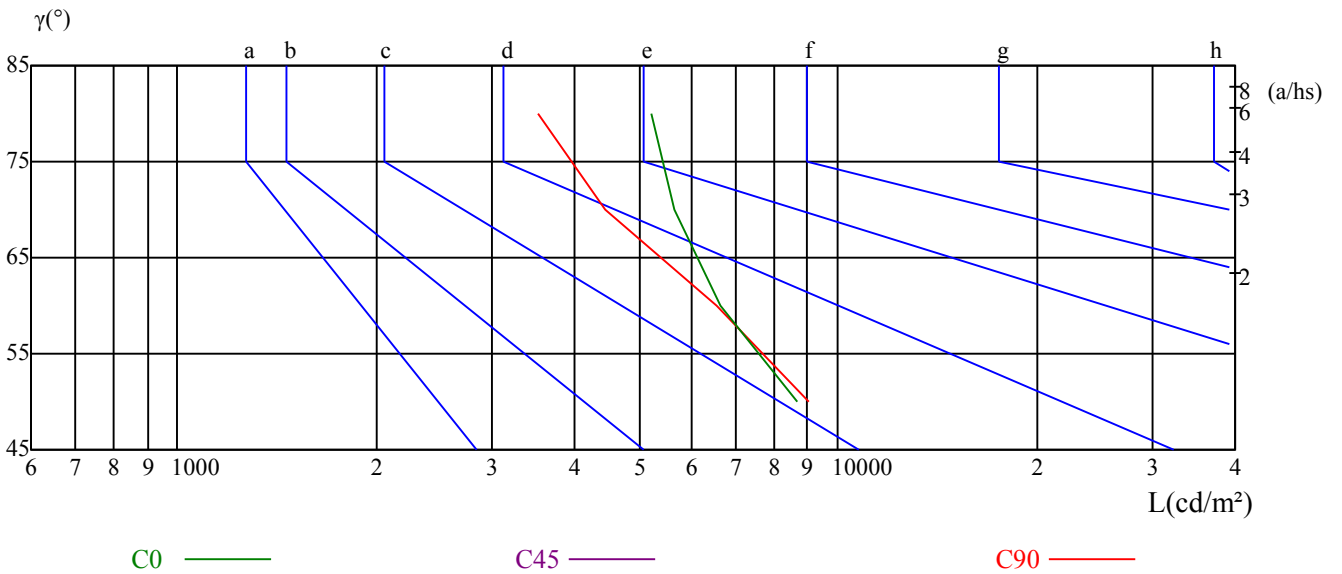
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	8668	0	6643	0	5674	0	5217	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9038	0	6568	0	4439	0	3526	0

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

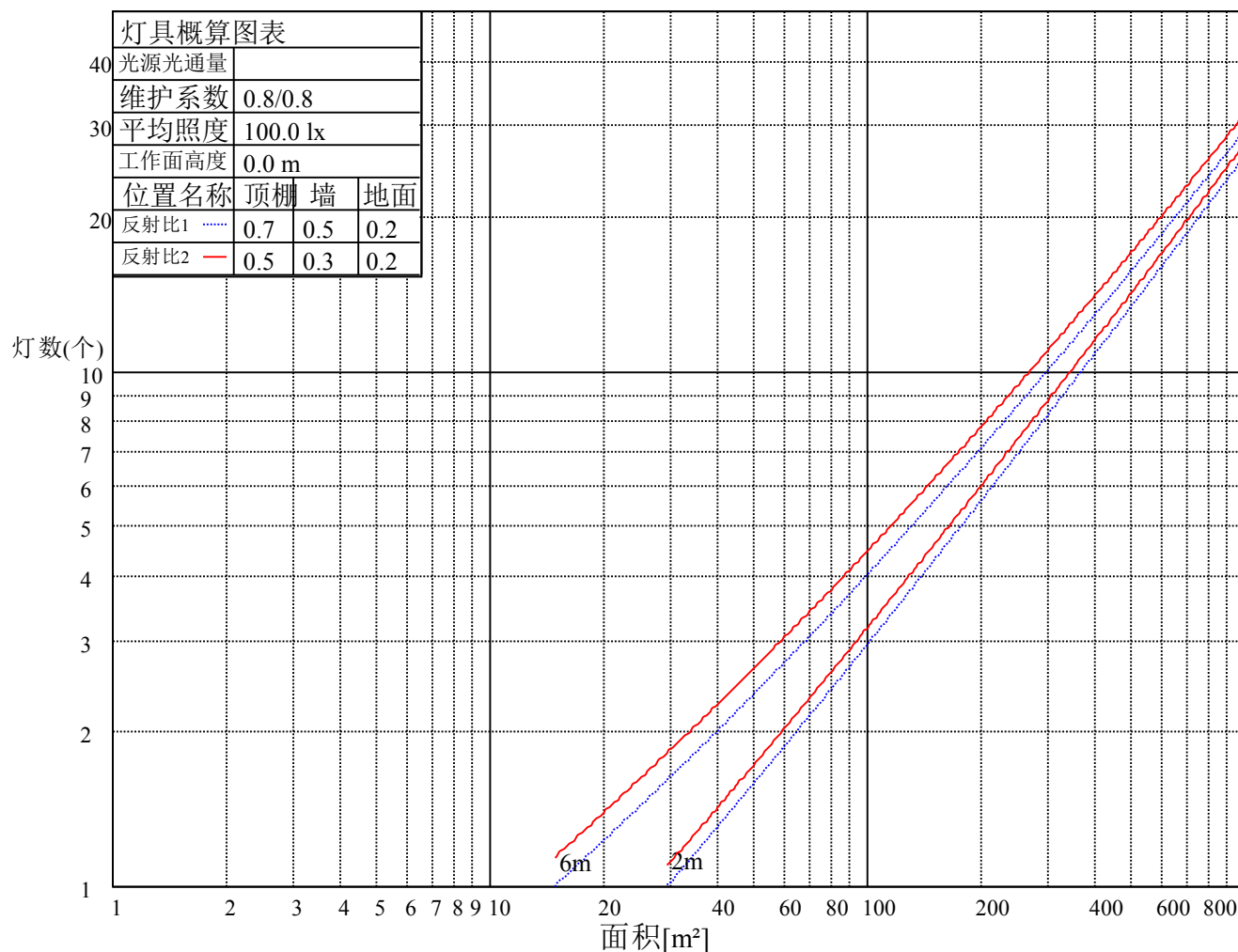
亮度限制曲线



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	10.43	11.63	10.79	11.95	12.26	11.07	12.28	11.44	12.59	12.90
	3H	11.59	12.66	11.97	12.99	13.36	12.56	13.63	12.94	13.96	14.33
	4H	12.00	13.00	12.41	13.35	13.74	13.12	14.11	13.52	14.46	14.85
	6H	12.23	13.15	12.65	13.52	13.91	13.57	14.48	13.98	14.85	15.25
	8H	12.27	13.14	12.71	13.53	13.94	13.73	14.60	14.17	14.99	15.39
	12H	12.32	13.14	12.75	13.53	13.96	13.95	14.78	14.38	15.16	15.59
4H	2H	10.93	11.92	11.33	12.28	12.66	11.45	12.45	11.86	12.80	13.19
	3H	12.32	13.14	12.74	13.54	13.95	13.21	14.03	13.63	14.43	14.84
	4H	12.82	13.55	13.26	13.97	14.42	13.90	14.63	14.33	15.05	15.49
	6H	13.08	13.71	13.55	14.16	14.63	14.36	14.99	14.83	15.44	15.91
	8H	13.14	13.73	13.62	14.18	14.65	14.57	15.16	15.04	15.61	16.08
	12H	13.19	13.71	13.68	14.19	14.67	14.80	15.32	15.29	15.80	16.28
8H	4H	13.07	13.66	13.55	14.11	14.58	14.04	14.62	14.51	15.07	15.55
	6H	13.43	13.90	13.94	14.40	14.89	14.61	15.09	15.12	15.59	16.07
	8H	13.54	13.96	14.07	14.48	14.98	14.88	15.31	15.41	15.82	16.32
	12H	14.15	14.52	14.67	15.02	15.59	15.62	15.99	16.14	16.49	17.06
12H	4H	13.08	13.60	13.57	14.08	14.56	14.02	14.53	14.50	15.02	15.49
	6H	13.95	13.89	14.00	14.36	14.91	15.10	15.04	15.14	15.51	16.05
	8H	13.61	13.98	14.13	14.48	15.05	14.91	15.28	15.43	15.78	16.35
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-0.9					0.6/-0.8					
S = 1.5H	1.4/-1.3					1.2/-1.2					
S = 2.0H	3.1/-1.9					2.5/-1.3					
标准表格	BK3					BK3					
更正系数	1.9					2.2					

# ROLED 投光灯

## 灯具的概算曲线



# ROLED 投光灯

## 灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.01	0.99	0.99	0.97	0.96	0.95	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.86	0.84	0.83
3	0.92	0.86	0.81	0.90	0.85	0.81	0.88	0.83	0.79	0.85	0.81	0.78	0.83	0.80	0.77	0.75
4	0.85	0.79	0.74	0.84	0.78	0.73	0.82	0.76	0.72	0.79	0.75	0.72	0.78	0.74	0.71	0.69
5	0.79	0.72	0.67	0.78	0.72	0.67	0.76	0.71	0.67	0.74	0.70	0.66	0.73	0.69	0.65	0.64
6	0.74	0.67	0.62	0.73	0.67	0.62	0.71	0.66	0.62	0.70	0.65	0.61	0.68	0.64	0.61	0.59
7	0.69	0.62	0.58	0.68	0.62	0.58	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.55
8	0.65	0.58	0.54	0.64	0.58	0.54	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
9	0.61	0.55	0.50	0.61	0.55	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.48
10	0.58	0.52	0.47	0.57	0.51	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.46



ROLED 投光灯

光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	5646.35	5585.73	5440.70	5246.55	4999.45	4708.62	4409.34	4082.44	3731.75
30.0	5805.97	5747.65	5603.38	5392.35	5134.51	4844.44	4508.33	4171.46	3805.42
60.0	5690.86	5603.38	5434.56	5212.02	4951.11	4638.79	4320.33	3948.92	3608.20
90.0	5682.42	5604.91	5441.46	5216.62	4959.55	4649.53	4315.72	3988.82	3641.20
120.0	5662.47	5581.13	5417.67	5200.51	4944.20	4635.72	4308.05	3976.54	3625.08
150.0	5652.49	5608.75	5482.13	5291.82	5065.45	4780.75	4466.90	4148.43	3797.74
180.0	5646.35	5617.19	5504.39	5327.12	5104.59	4829.86	4529.05	4216.73	3871.41
210.0	5805.97	5776.81	5660.93	5490.58	5252.69	4967.22	4664.88	4316.49	3946.61
240.0	5690.86	5689.33	5604.15	5447.60	5248.85	4985.64	4698.64	4353.32	4007.24
270.0	5682.42	5666.30	5561.94	5402.33	5182.86	4915.04	4631.11	4298.07	3935.10
300.0	5662.47	5648.65	5547.36	5385.44	5184.39	4917.35	4629.58	4283.49	3938.17
330.0	5652.49	5602.61	5471.39	5294.13	5059.31	4777.68	4483.78	4128.48	3790.07
360.0	5646.35	5585.73	5440.70	5246.55	4999.45	4708.62	4409.34	4082.44	3731.75
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3385.66	3058.76	2714.98	2408.03	2111.05	1833.26	1589.24	1376.67	1193.27
30.0	3442.45	3088.69	2761.79	2437.19	2136.37	1873.93	1626.07	1406.60	1223.96
60.0	3262.88	2923.70	2617.52	2317.48	2048.13	1787.99	1524.39	1361.56	1189.59
90.0	3299.72	2970.51	2648.98	2361.22	2076.52	1828.66	1595.37	1397.39	1206.32
120.0	3285.90	2949.79	2642.84	2341.26	2068.85	1804.87	1526.16	1371.99	1197.87
150.0	3446.29	3101.73	2780.20	2458.67	2174.74	1896.95	1646.79	1436.53	1241.61
180.0	3523.02	3167.73	2836.22	2505.48	2190.09	1917.67	1662.14	1441.98	1240.92
210.0	3575.97	3215.31	2844.66	2519.30	2192.39	1896.95	1638.35	1423.33	1218.67
240.0	3633.53	3259.05	2902.98	2553.06	2246.11	1943.76	1678.25	1447.27	1248.52
270.0	3567.53	3206.86	2833.92	2506.25	2183.18	1890.81	1636.05	1423.48	1220.59
300.0	3569.07	3219.91	2850.03	2507.02	2206.97	1907.70	1649.09	1421.18	1226.27
330.0	3433.24	3090.22	2736.46	2425.68	2101.08	1835.56	1525.85	1375.44	1192.50
360.0	3385.66	3058.76	2714.98	2408.03	2111.05	1833.26	1589.24	1376.67	1193.27
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1029.82	895.53	771.21	668.38	580.90	509.54	447.38	395.97	354.68
30.0	1055.14	909.34	784.26	682.20	591.65	518.75	454.29	402.11	359.98
60.0	1033.58	902.97	782.65	681.28	594.87	521.59	462.57	410.09	367.57
90.0	1055.14	922.39	802.68	698.31	608.53	535.63	469.63	412.85	368.42
120.0	1039.33	900.13	785.18	682.81	599.86	521.59	461.88	408.78	365.65
150.0	1072.02	926.22	804.98	697.54	606.23	532.56	468.87	415.15	371.87
180.0	1076.94	926.07	802.60	692.94	599.86	521.51	459.12	404.10	357.83
210.0	1045.86	899.83	770.83	669.31	577.30	501.56	439.94	389.44	346.09
240.0	1073.56	921.62	794.23	686.80	585.51	491.89	430.50	375.40	317.08
270.0	1050.46	907.04	779.12	677.52	577.68	462.19	396.35	342.71	300.89
300.0	1054.37	912.41	782.72	675.29	587.04	509.54	445.85	387.52	311.78
330.0	1028.36	890.00	766.22	664.55	575.92	507.16	447.46	395.81	355.99
360.0	1029.82	895.53	771.21	668.38	580.90	509.54	447.38	395.97	354.68
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	318.15	288.23	258.53	236.04	215.10	195.60	179.18	163.30	137.90
30.0	324.68	293.06	265.90	243.57	222.39	203.89	184.55	167.98	151.25
60.0	329.74	296.21	267.20	240.27	217.09	195.68	176.57	157.24	138.36
90.0	326.29	290.38	260.91	233.36	209.19	166.75	143.81	125.70	107.89
120.0	327.36	293.44	263.90	235.81	213.79	184.09	161.76	144.11	126.16
150.0	336.11	303.80	277.33	252.93	230.83	211.49	192.30	174.12	156.39
180.0	321.22	288.46	261.29	235.74	215.63	196.14	179.34	163.30	136.82
210.0	310.56	281.01	255.23	233.21	211.87	183.79	166.60	152.78	137.28
240.0	281.09	250.32	222.85	201.28	181.25	162.15	145.95	129.30	111.42
270.0	264.28	234.13	207.58	184.86	164.68	147.57	130.15	111.50	96.23
300.0	276.41	245.87	218.55	197.29	177.34	158.46	142.50	126.16	108.58
330.0	320.92	291.60	264.21	242.87	219.55	177.11	158.23	142.81	128.69
360.0	318.15	288.23	258.53	236.04	215.10	195.60	179.18	163.30	137.90

# ROLED 投光灯

## 光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	113.65	101.37	88.86	77.04	64.38	51.03	37.22	21.64	5.99
30.0	134.29	116.26	91.32	74.59	56.71	41.82	27.78	9.67	4.30
60.0	99.91	82.65	71.60	59.63	47.19	26.70	16.88	9.59	6.75
90.0	93.62	83.49	72.36	60.16	43.51	25.63	17.88	10.36	8.06
120.0	99.99	83.26	72.21	60.70	47.96	27.24	16.81	9.59	6.98
150.0	138.90	120.32	91.55	73.67	56.71	42.05	28.47	10.59	4.68
180.0	116.10	103.14	91.55	78.89	67.15	53.79	40.36	25.78	9.82
210.0	121.02	102.14	84.56	66.30	47.88	34.99	18.88	7.14	3.53
240.0	93.24	78.27	67.38	53.49	38.06	19.41	13.51	8.44	4.45
270.0	84.49	74.28	60.16	46.27	25.78	19.41	12.05	9.36	3.84
300.0	91.01	76.66	65.53	52.41	36.37	19.34	13.05	8.36	4.07
330.0	113.57	96.84	80.19	64.46	47.65	34.53	17.19	6.68	3.45
360.0	113.65	101.37	88.86	77.04	64.38	51.03	37.22	21.64	5.99
C/γ(°)	90.0								
0.0	0.38								
30.0	1.53								
60.0	1.76								
90.0	2.15								
120.0	1.92								
150.0	1.76								
180.0	0.46								
210.0	0.38								
240.0	0.38								
270.0	0.23								
300.0	0.31								
330.0	0.38								
360.0	0.38								