

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3073A-60-UN (15-OL-60WN-AA, L520mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210331003

电流(A): 0.3180

光源规格型号: OL

功率(W): 68.6000

每个光源光通量(lm)

功率因数: 0.9780

光源数量: 60

镇流器型号:

发光面长度(mm): 490

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 6349.42

灯具效能(lm/w): 92.56

中心光强(cd): 46541.360

最大光强(cd): 48429.100

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=14.8

[C90/270]Total=15.0

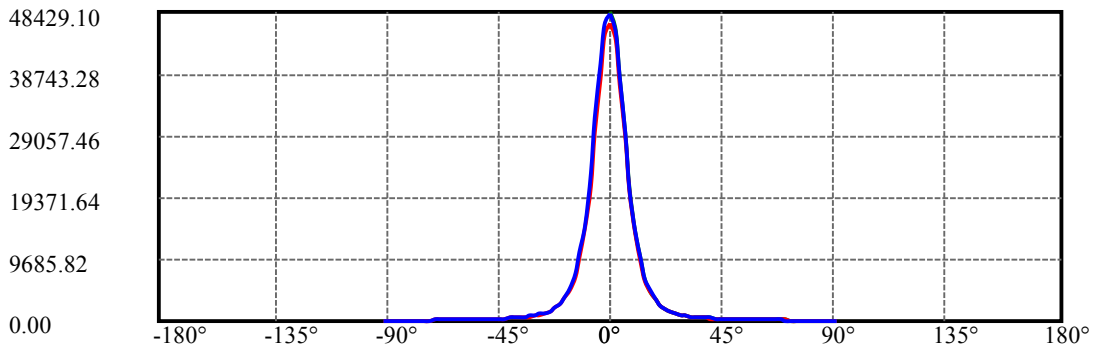
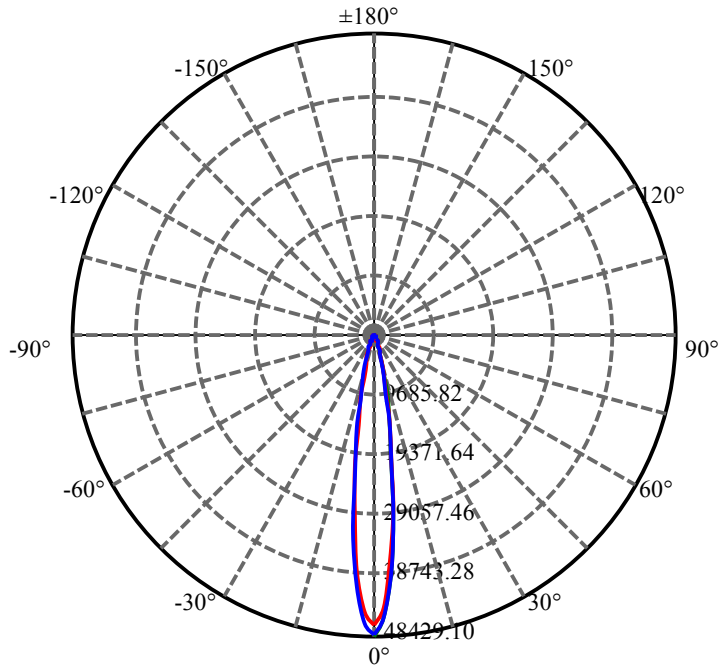
光束扩散角(10%Imax): [C0/180]Total=32.2

[C90/270]Total=32.5

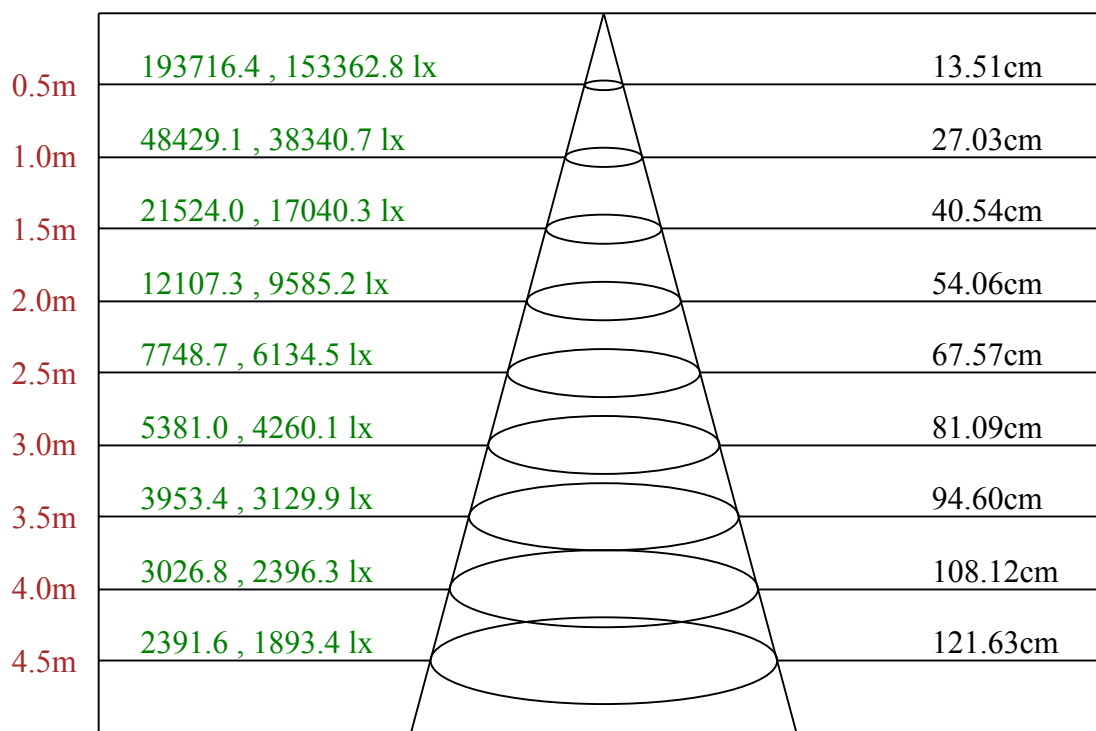
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/31
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

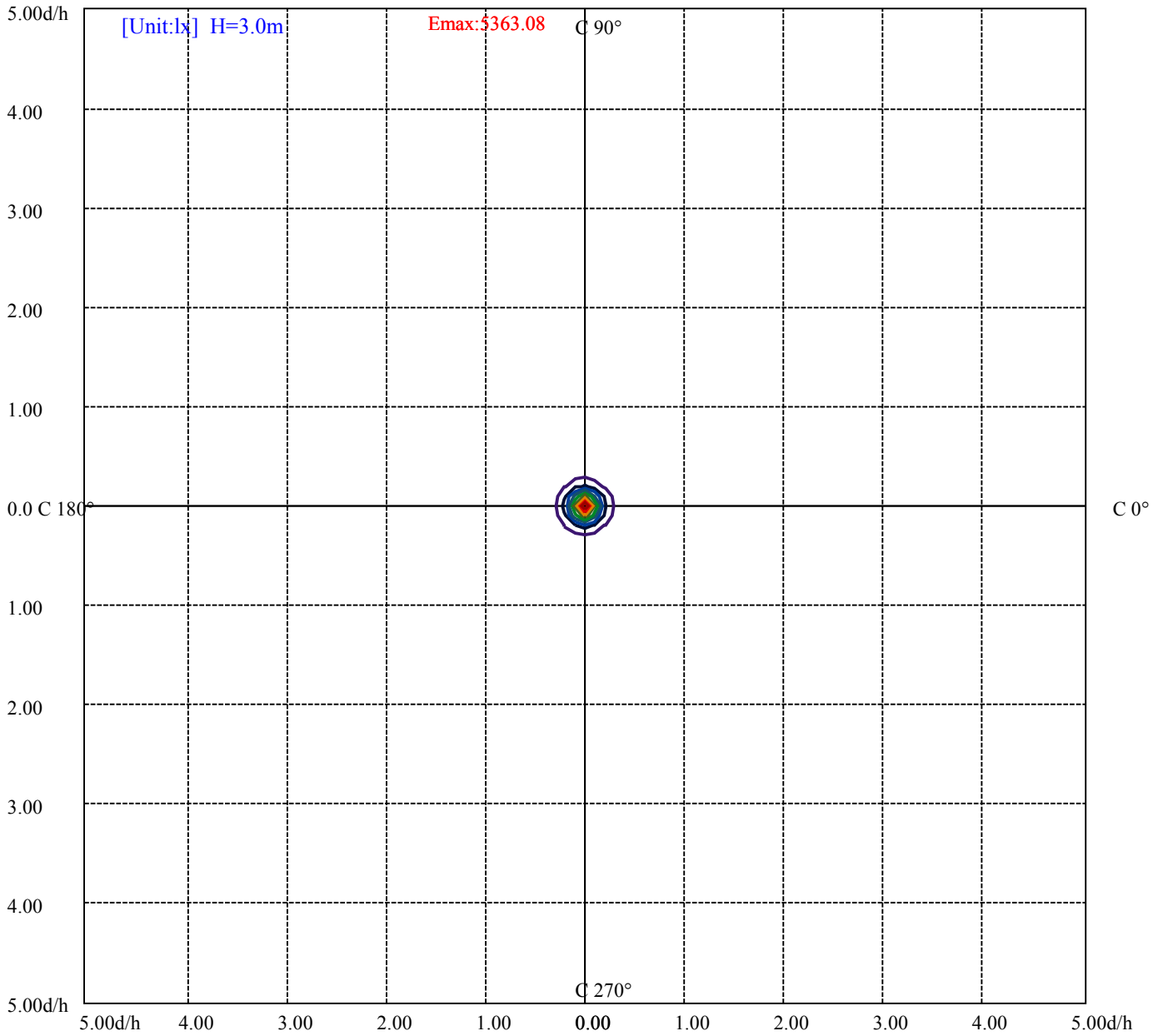


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角15.39

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平面等照度曲线



- (10%Emax) 536.3066
- (20%Emax) 1072.615
- (30%Emax) 1608.922
- (40%Emax) 2145.233
- (50%Emax) 2681.533
- (60%Emax) 3217.844
- (70%Emax) 3754.155
- (80%Emax) 4290.456
- (90%Emax) 4826.767

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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

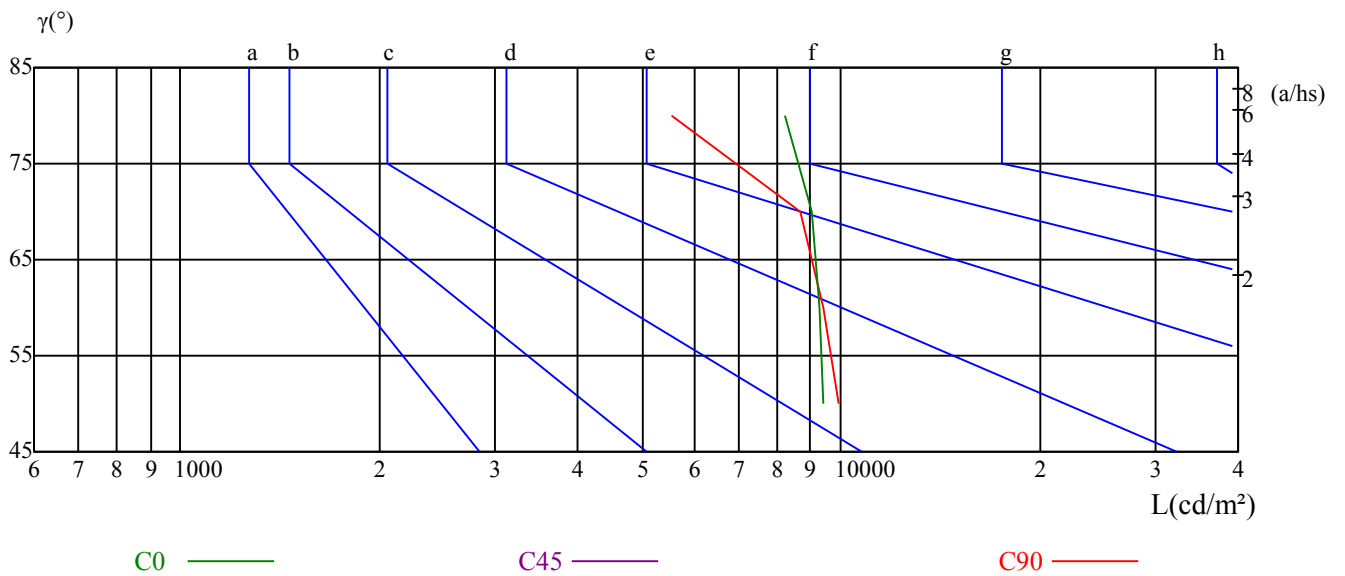
γ	45	50	55	60	65	70	75	80	85
C0	0	9400	0	9284	0	9056	0	8239	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9932	0	9406	0	8691	0	5560	0

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

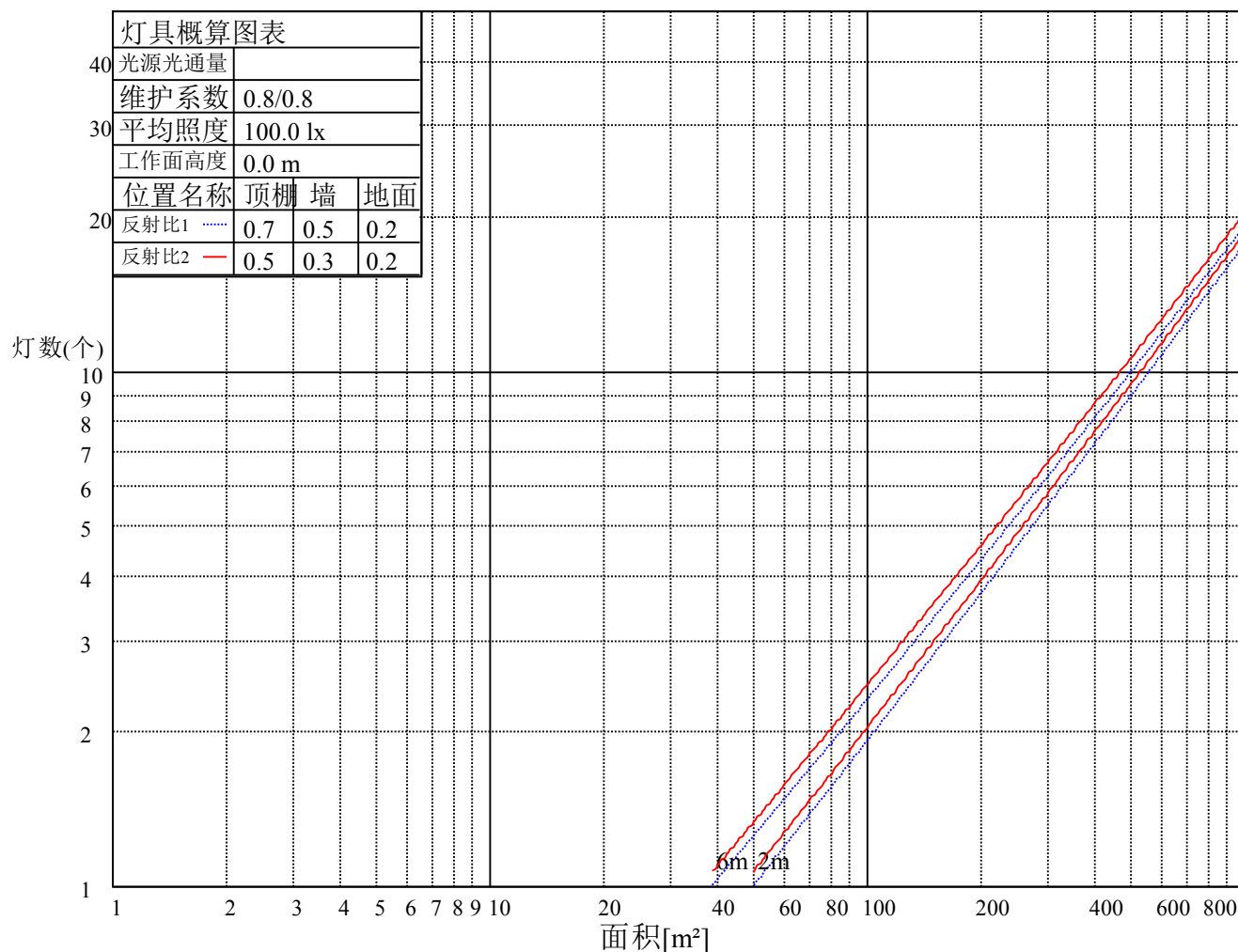
亮度限制曲线



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	9.35	10.42	9.71	10.74	11.05	9.53	10.60	9.89	10.91	11.23
	3H	11.17	12.13	11.55	12.46	12.83	11.43	12.38	11.81	12.71	13.08
	4H	11.79	12.67	12.19	13.03	13.41	12.13	13.02	12.54	13.37	13.76
	6H	12.14	12.95	12.56	13.32	13.72	12.65	13.46	13.07	13.84	14.23
	8H	12.21	12.98	12.65	13.37	13.78	12.81	13.58	13.25	13.97	14.38
	12H	12.27	13.00	12.71	13.39	13.82	12.99	13.72	13.42	14.10	14.53
4H	2H	9.97	10.86	10.38	11.21	11.60	10.11	11.00	10.52	11.35	11.74
	3H	11.95	12.68	12.36	13.08	13.49	12.22	12.95	12.64	13.36	13.76
	4H	12.67	13.32	13.11	13.74	14.19	13.03	13.68	13.47	14.10	14.55
	6H	13.04	13.60	13.51	14.05	14.52	13.55	14.11	14.02	14.56	15.03
	8H	13.14	13.66	13.61	14.11	14.58	13.75	14.27	14.23	14.72	15.20
	12H	13.20	13.65	13.69	14.14	14.62	13.93	14.39	14.42	14.87	15.35
8H	4H	12.92	13.44	13.40	13.89	14.37	13.24	13.76	13.71	14.21	14.68
	6H	13.41	13.82	13.91	14.32	14.81	13.90	14.31	14.40	14.81	15.30
	8H	13.56	13.92	14.09	14.45	14.94	14.17	14.53	14.70	15.05	15.55
	12H	14.16	14.47	14.68	14.97	15.55	14.86	15.18	15.38	15.67	16.25
12H	4H	12.93	13.38	13.42	13.87	14.34	13.22	13.68	13.71	14.16	14.64
	6H	13.80	13.81	13.98	14.28	14.83	14.26	14.28	14.44	14.75	15.30
	8H	13.63	13.95	14.15	14.45	15.02	14.22	14.54	14.74	15.04	15.61
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.7					0.8/-0.6					
S = 2.0H	1.2/-0.8					0.7/-0.7					
标准表格	BK3					BK3					
更正系数	1.1					1.6					

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灯具的概算曲线



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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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.94
2	1.05	1.01	0.98	1.03	1.00	0.97	1.00	0.97	0.95	0.97	0.95	0.93	0.94	0.92	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.90	0.95	0.92	0.89	0.93	0.90	0.88	0.91	0.88	0.86	0.85
4	0.94	0.90	0.86	0.93	0.89	0.85	0.91	0.87	0.84	0.89	0.86	0.84	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.82	0.88	0.84	0.81	0.86	0.83	0.80	0.85	0.82	0.79	0.78
6	0.87	0.82	0.78	0.86	0.82	0.78	0.85	0.81	0.78	0.83	0.80	0.77	0.82	0.79	0.77	0.76
7	0.84	0.79	0.76	0.83	0.79	0.75	0.82	0.78	0.75	0.81	0.77	0.75	0.80	0.77	0.74	0.73
8	0.81	0.76	0.73	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.73	0.78	0.75	0.72	0.71
9	0.79	0.74	0.71	0.78	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
10	0.77	0.72	0.69	0.76	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.69	0.74	0.71	0.69	0.68

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	46541.35	43855.54	36995.20	28569.41	20412.20	13766.73	9131.77	6399.92	4489.15
30.0	48429.10	45459.35	38153.93	29183.31	21049.12	14142.74	9653.59	6484.33	4642.62
60.0	48106.80	44039.71	36289.21	27840.40	19414.61	13255.65	8938.40	6128.26	4336.44
90.0	48091.45	45229.14	38130.91	29298.42	20834.26	14042.98	9622.90	6614.78	4719.36
120.0	47830.55	44385.03	37470.97	28753.58	20673.11	13965.48	9482.47	6528.07	4704.78
150.0	47730.79	45789.33	39297.32	31071.05	22445.75	15324.50	10397.94	7313.09	5156.77
180.0	46541.35	44446.42	38015.81	29620.71	21125.86	14668.39	9955.94	6941.68	4897.39
210.0	48429.10	46541.35	39980.29	31278.25	23021.28	15076.64	10825.37	7458.89	5219.69
240.0	48106.80	47147.58	41499.69	33342.49	24625.10	17319.68	11579.70	7950.02	5563.48
270.0	48091.45	46334.16	40433.04	31915.17	23197.78	15153.37	10805.42	7370.65	5218.16
300.0	47830.55	46280.45	40241.20	31968.88	23389.62	15992.12	10850.70	7451.22	5287.22
330.0	47730.79	44891.50	37724.20	29344.46	20903.32	13979.29	9404.96	6587.92	4611.93
360.0	46541.35	43855.54	36995.20	28569.41	20412.20	13766.73	9131.77	6399.92	4489.15
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	3203.03	2394.98	1822.52	1441.13	1147.99	953.08	802.68	694.48	605.46
30.0	3336.55	2489.37	1900.79	1498.69	1216.29	1003.73	849.49	731.31	643.06
60.0	3172.33	2342.80	1804.87	1452.95	1171.48	980.40	833.52	719.49	630.94
90.0	3390.27	2489.37	1899.26	1512.50	1213.99	1002.19	855.62	735.91	647.67
120.0	3395.64	2495.51	1934.55	1527.69	1217.83	1004.03	854.17	732.92	644.21
150.0	3890.60	2753.35	2078.82	1620.70	1282.29	1055.14	883.25	759.70	659.18
180.0	3535.30	2578.38	1979.06	1515.80	1245.91	1017.39	854.17	729.93	639.68
210.0	3815.39	2779.44	2085.73	1528.38	1319.73	1072.64	908.57	777.35	673.07
240.0	4013.38	2924.47	2185.49	1711.25	1361.33	1115.76	920.08	791.93	685.27
270.0	3738.66	2718.05	2070.38	1522.09	1313.75	1060.90	899.44	770.14	673.37
300.0	3882.92	2751.81	2072.68	1632.98	1304.54	1063.58	897.06	768.14	664.55
330.0	3326.57	2484.00	1886.21	1513.11	1214.30	996.44	844.27	731.00	636.15
360.0	3203.03	2394.98	1822.52	1441.13	1147.99	953.08	802.68	694.48	605.46
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	535.63	482.68	438.17	399.04	371.03	345.32	322.68	304.96	288.30
30.0	568.63	510.31	463.50	425.13	393.66	370.34	347.39	327.44	311.09
60.0	563.71	505.09	458.58	422.82	391.59	365.27	341.79	321.76	302.50
90.0	574.76	517.21	468.87	432.03	397.50	369.65	344.86	322.22	301.96
120.0	569.93	510.07	462.42	425.89	393.97	366.81	344.01	322.37	302.96
150.0	581.67	522.58	471.17	431.27	397.50	373.10	349.23	329.51	311.40
180.0	564.17	502.09	453.44	411.31	377.47	348.39	325.14	305.11	288.69
210.0	593.80	532.48	479.30	438.25	406.10	377.01	354.37	332.12	315.39
240.0	606.99	540.23	484.21	442.01	405.94	387.52	353.61	331.81	311.25
270.0	596.10	533.25	484.06	441.01	406.48	373.87	348.70	324.75	303.19
300.0	583.97	524.89	471.94	432.80	399.04	372.64	347.47	326.21	305.65
330.0	564.87	508.92	459.73	421.90	390.52	364.50	341.79	322.84	304.96
360.0	535.63	482.68	438.17	399.04	371.03	345.32	322.68	304.96	288.30
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	273.19	259.83	247.25	234.28	220.39	206.19	190.62	173.96	156.31
30.0	294.60	279.17	265.36	251.47	236.66	220.01	203.20	184.09	163.22
60.0	284.93	266.74	248.32	230.90	214.87	196.76	178.88	161.46	143.42
90.0	282.78	265.74	251.09	237.35	221.85	204.89	188.08	168.75	150.02
120.0	284.85	267.43	249.09	232.67	216.02	198.60	181.79	162.84	145.80
150.0	293.83	277.25	263.36	250.39	233.97	218.01	199.06	179.18	158.08
180.0	275.03	262.06	249.24	233.82	219.85	205.43	191.23	173.12	155.55
210.0	298.97	283.47	269.35	255.69	241.80	225.15	207.81	188.54	166.75
240.0	292.22	274.34	254.46	236.74	221.39	203.82	186.40	169.13	151.40
270.0	283.62	265.28	250.01	235.66	221.54	205.73	189.70	170.66	152.40
300.0	286.54	268.97	249.32	232.05	216.02	199.75	182.56	165.45	148.26
330.0	288.92	274.64	260.29	246.63	232.05	216.02	199.21	179.80	158.54
360.0	273.19	259.83	247.25	234.28	220.39	206.19	190.62	173.96	156.31

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测试人员: anpeilou
测试距离(m): 8.76

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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	140.35	123.62	106.05	89.55	72.21	54.25	36.07	18.80	3.91
30.0	139.82	119.48	98.99	81.34	64.69	43.97	26.78	9.75	3.22
60.0	127.00	108.12	86.18	66.38	48.88	30.54	15.96	8.36	4.53
90.0	129.61	107.82	87.40	69.83	48.73	29.08	18.72	9.13	5.37
120.0	129.61	112.57	89.25	69.22	52.41	33.07	17.19	9.21	4.76
150.0	134.14	115.95	98.45	79.12	64.31	45.58	27.86	12.12	3.99
180.0	139.74	121.78	103.37	85.64	69.14	50.19	35.99	21.33	5.99
210.0	143.35	123.62	102.98	84.72	67.99	47.73	30.16	13.28	4.68
240.0	135.37	118.56	96.46	76.43	59.78	38.91	21.18	13.20	6.75
270.0	133.37	110.73	90.47	73.05	53.49	34.30	21.18	11.59	7.21
300.0	132.60	116.87	93.01	74.28	58.32	37.91	19.72	12.74	6.29
330.0	137.05	117.18	97.46	80.96	64.54	43.74	27.24	10.97	3.61
360.0	140.35	123.62	106.05	89.55	72.21	54.25	36.07	18.80	3.91

C/γ(°)	90.0
0.0	0.92
30.0	0.46
60.0	0.38
90.0	0.46
120.0	0.38
150.0	0.61
180.0	1.46
210.0	1.15
240.0	1.46
270.0	1.00
300.0	0.92
330.0	0.46
360.0	0.92