

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3073A-60-UN (30-OL-60WN-AA, L520mm, C, CT)

报告编号:

电压(V): 219.3000

测试编号: 20210421007

电流(A): 0.3180

光源规格型号: OL

功率(W): 68.3000

每个光源光通量(lm)

功率因数: 0.9790

光源数量: 60

镇流器型号:

发光面长度(mm): 460

发光面宽度(mm): 100

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 6238.87

灯具效能(lm/w): 91.35

中心光强(cd): 17089.460

最大光强(cd): 17250.610

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=28.3

[C90/270]Total=28.3

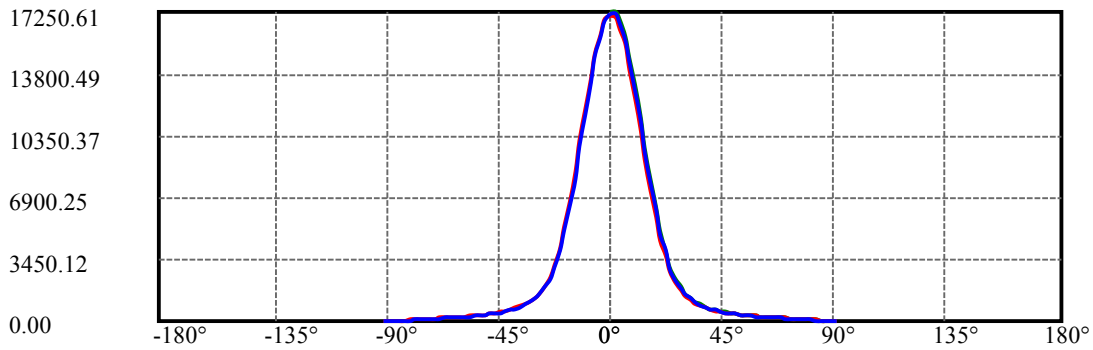
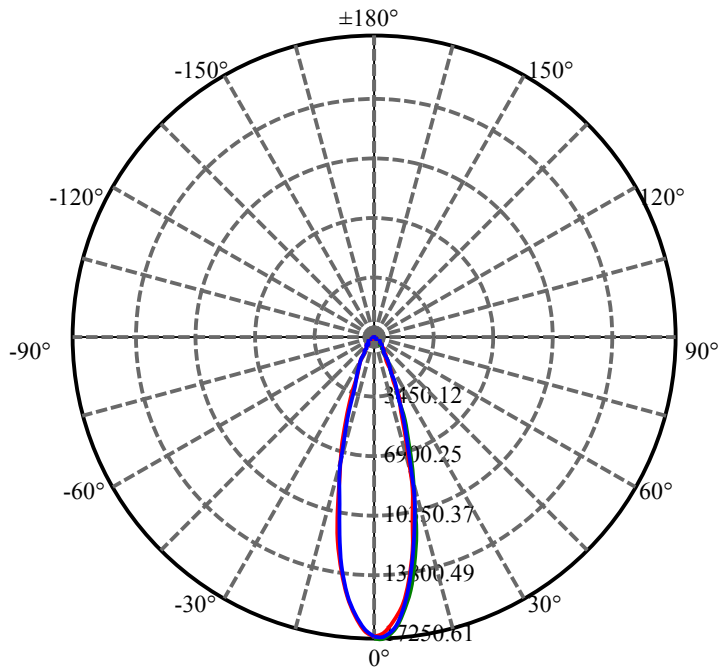
光束扩散角(10%Imax): [C0/180]Total=55.3

[C90/270]Total=55.7

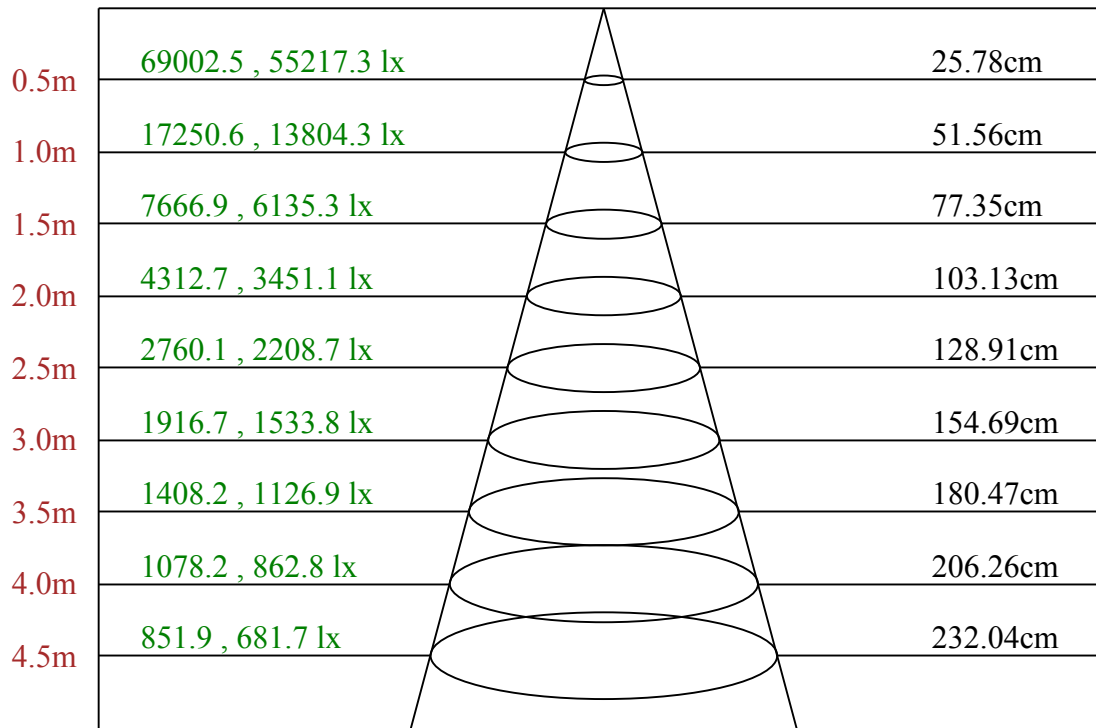
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/21
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

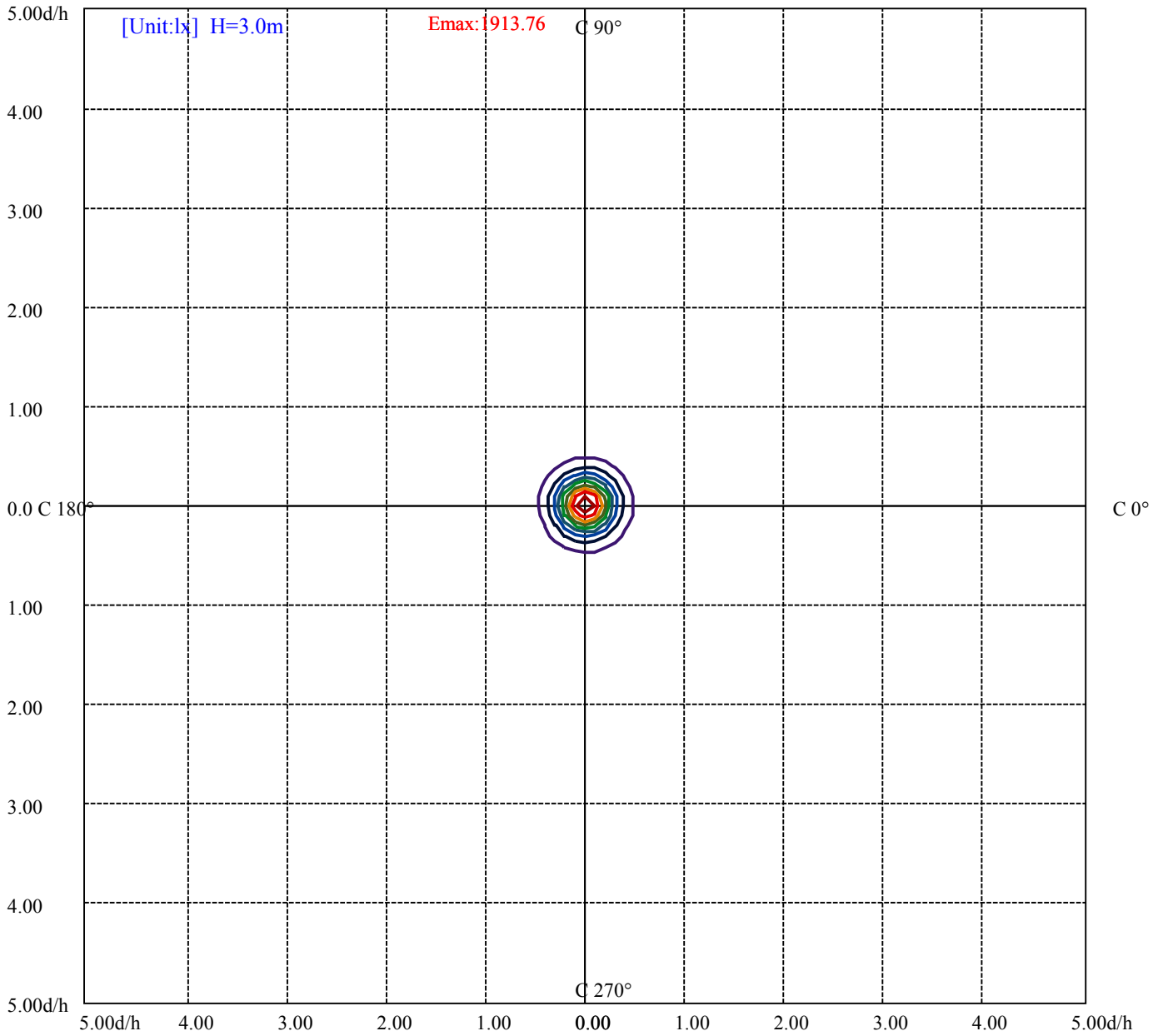


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角28.90

ROLED 投光灯
平面等照度曲线



- (10%Emax) 191.3755
- (20%Emax) 382.75
- (30%Emax) 574.1255
- (40%Emax) 765.5
- (50%Emax) 956.8755
- (60%Emax) 1148.255
- (70%Emax) 1339.622
- (80%Emax) 1531
- (90%Emax) 1722.378

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测试人员: anpeilou
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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

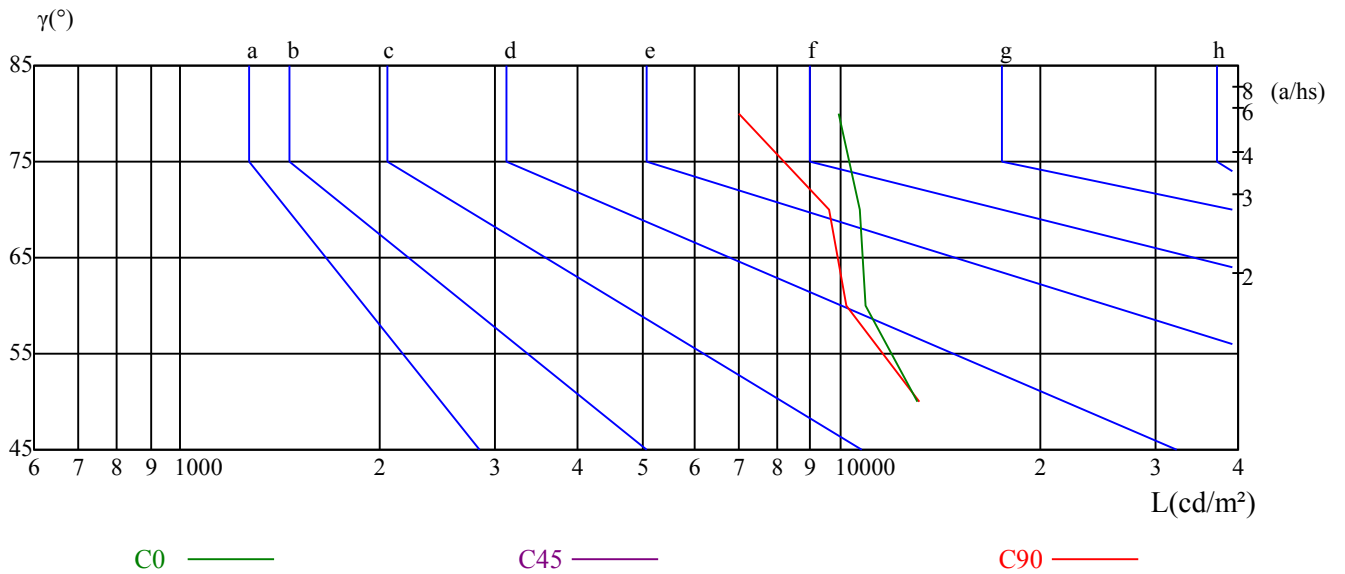
γ	45	50	55	60	65	70	75	80	85
C0	0	13106	0	10937	0	10721	0	9953	0
C45	0	0	0	0	0	0	0	0	0
C90	0	13158	0	10189	0	9628	0	7023	0

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

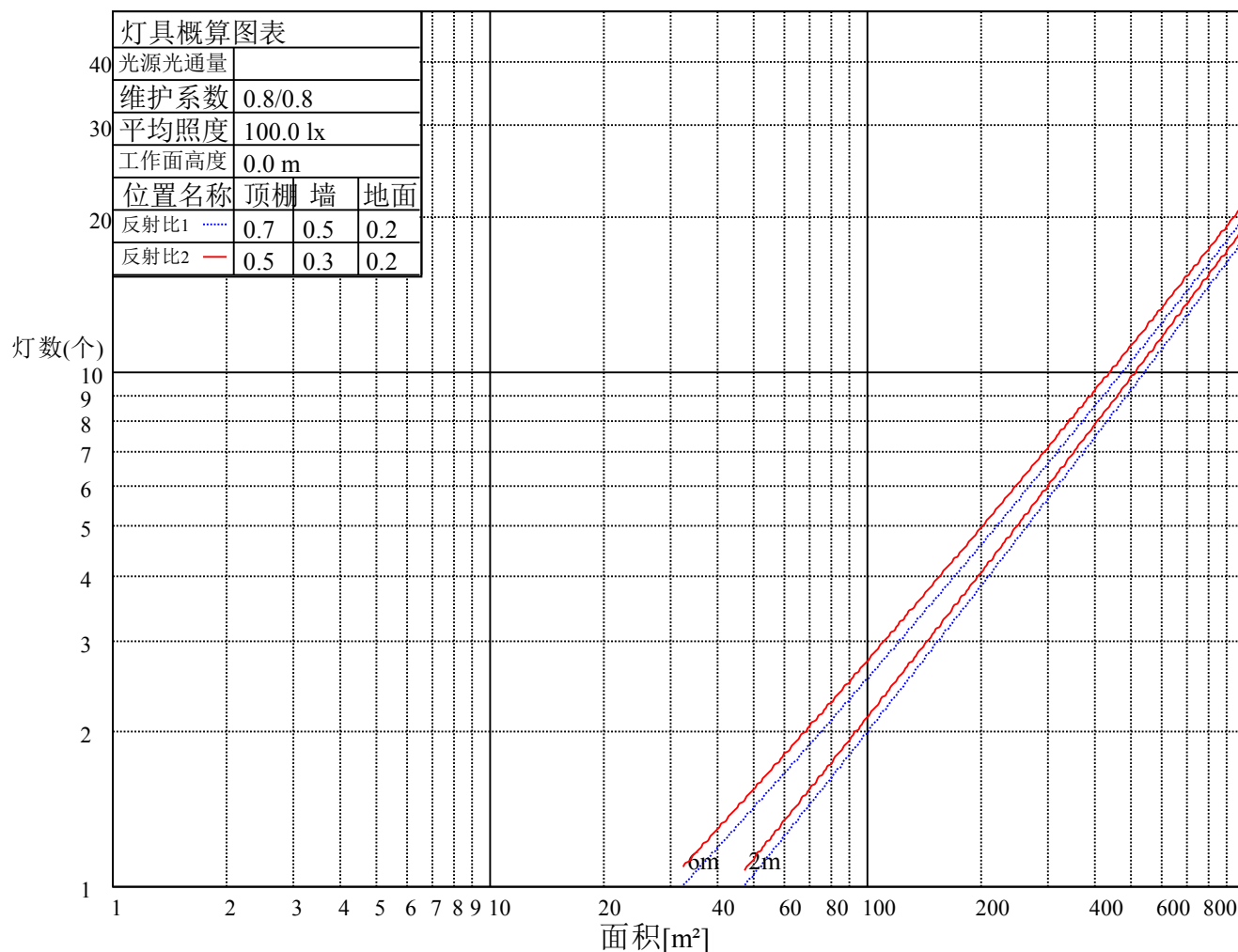
亮度限制曲线



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	9.78	10.89	10.14	11.20	11.51	10.35	11.46	10.71	11.77	12.08
	3H	11.45	12.43	11.83	12.77	13.13	12.11	13.10	12.49	13.43	13.80
	4H	12.04	12.96	12.45	13.31	13.70	12.82	13.73	13.22	14.09	14.47
	6H	12.37	13.21	12.79	13.58	13.98	13.34	14.18	13.75	14.55	14.94
	8H	12.44	13.23	12.87	13.62	14.03	13.49	14.28	13.93	14.67	15.08
	12H	12.49	13.25	12.93	13.63	14.06	13.66	14.41	14.09	14.80	15.23
4H	2H	10.37	11.28	10.77	11.63	12.02	10.82	11.73	11.22	12.09	12.47
	3H	12.24	12.99	12.65	13.40	13.80	12.82	13.57	13.23	13.98	14.38
	4H	12.94	13.61	13.38	14.04	14.48	13.64	14.31	14.08	14.73	15.18
	6H	13.29	13.87	13.76	14.32	14.79	14.17	14.75	14.64	15.19	15.67
	8H	13.38	13.92	13.86	14.37	14.84	14.37	14.90	14.84	15.35	15.83
	12H	13.44	13.91	13.93	14.40	14.87	14.54	15.01	15.03	15.49	15.97
8H	4H	13.21	13.75	13.69	14.20	14.67	13.83	14.37	14.30	14.82	15.29
	6H	13.68	14.11	14.18	14.61	15.09	14.49	14.92	14.99	15.42	15.90
	8H	13.81	14.20	14.34	14.72	15.21	14.75	15.13	15.28	15.65	16.15
	12H	14.39	14.72	14.91	15.22	15.79	15.41	15.74	15.93	16.24	16.82
12H	4H	13.22	13.69	13.71	14.18	14.65	13.81	14.28	14.30	14.77	15.24
	6H	14.10	14.10	14.25	14.57	15.12	14.88	14.88	15.03	15.35	15.89
	8H	13.89	14.22	14.41	14.72	15.30	14.80	15.13	15.32	15.62	16.20
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					0.4/-0.6					
S = 1.5H	0.9/-1.0					0.9/-0.9					
S = 2.0H	2.1/-1.1					1.6/-0.9					
标准表格	BK3					BK3					
更正系数	2.3					2.9					

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灯具的概算曲线



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	1.10	1.08	1.05	1.08	1.06	1.04	1.04	1.02	1.01	1.00	0.99	0.98	0.97	0.96	0.95	0.93
2	1.03	0.99	0.95	1.01	0.97	0.94	0.98	0.95	0.92	0.95	0.92	0.90	0.92	0.90	0.88	0.86
3	0.96	0.91	0.87	0.95	0.90	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.82	0.81
4	0.90	0.85	0.81	0.89	0.84	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.76
5	0.85	0.80	0.76	0.85	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.73	0.72
6	0.81	0.75	0.71	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.76	0.73	0.70	0.68
7	0.77	0.72	0.68	0.77	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.65
8	0.74	0.68	0.65	0.73	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.64	0.70	0.66	0.64	0.62
9	0.71	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.68	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.61	0.59	0.57

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	17089.46	16943.66	16322.09	15378.22	14050.65	12416.14	10658.85	9001.32	7267.05
30.0	17235.26	17250.61	16782.51	15884.68	14641.53	13152.82	11410.88	9615.22	7934.67
60.0	17212.24	17158.53	16606.02	15293.04	14409.79	12805.97	11154.58	9342.04	7588.58
90.0	17150.85	17120.16	16629.04	15662.14	14449.69	12876.57	11111.60	9415.70	7673.76
120.0	17135.51	16966.68	16329.76	15258.50	14004.61	12364.73	10702.59	8903.10	7268.59
150.0	17104.81	16928.31	16283.72	15255.43	13989.26	12354.75	10589.79	8909.24	7197.99
180.0	17089.46	16774.84	16015.14	14903.98	13521.93	11829.10	10063.37	8355.19	6680.01
210.0	17235.26	16751.82	15846.31	14686.04	13133.64	11446.18	9648.22	7868.67	6243.37
240.0	17212.24	16820.88	15984.44	14810.36	13406.06	11664.12	9860.78	8088.14	6507.35
270.0	17150.85	16736.47	15884.68	14756.64	13244.14	11499.13	9724.96	7949.25	6400.68
300.0	17135.51	16836.23	16130.24	15040.57	13720.68	12024.78	10252.14	8494.85	6898.71
330.0	17104.81	16843.90	16114.90	15097.36	13673.11	12000.23	10255.98	8569.29	6889.50
360.0	17089.46	16943.66	16322.09	15378.22	14050.65	12416.14	10658.85	9001.32	7267.05
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	5762.99	4550.54	3684.94	2761.02	2183.95	1744.25	1425.78	1184.06	1000.66
30.0	6330.85	5026.31	3882.92	3015.02	2365.05	1908.46	1547.80	1274.61	1078.16
60.0	6039.25	4754.66	3664.99	2848.50	2261.46	1806.40	1481.88	1223.27	1035.65
90.0	6169.70	4819.12	3913.62	2888.40	2292.15	1830.19	1487.94	1238.54	1038.26
120.0	5693.93	4470.73	3445.52	2683.51	2137.91	1714.32	1424.02	1179.00	992.52
150.0	5755.32	4481.48	3457.03	2684.28	2140.21	1718.15	1402.00	1174.09	989.15
180.0	5249.62	4049.44	3159.29	2466.35	1954.51	1523.70	1314.98	1095.20	934.74
210.0	4945.74	3814.63	2945.96	2342.03	1866.26	1522.86	1271.39	1064.43	907.12
240.0	5087.70	3998.03	3081.01	2410.33	1924.58	1568.52	1290.73	1080.47	923.15
270.0	5020.94	3925.13	3026.53	2377.33	1913.84	1528.69	1286.43	1073.02	918.63
300.0	5433.02	4235.92	3311.99	2582.99	2052.73	1648.32	1365.93	1138.79	966.89
330.0	5446.83	4278.12	3302.02	2613.68	2068.08	1665.21	1377.52	1154.67	975.41
360.0	5762.99	4550.54	3684.94	2761.02	2183.95	1744.25	1425.78	1184.06	1000.66
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	857.93	748.96	654.57	577.07	513.37	461.19	416.69	387.52	349.23
30.0	917.01	791.16	691.41	612.37	542.53	484.98	439.71	399.80	367.42
60.0	885.09	771.44	674.60	594.95	528.57	475.85	429.73	389.14	354.60
90.0	884.78	765.07	672.22	592.41	527.95	469.63	418.99	389.06	339.33
120.0	851.48	744.35	651.96	575.99	515.45	462.34	418.14	378.85	345.32
150.0	847.18	735.15	649.97	574.00	511.07	461.19	416.69	389.06	349.54
180.0	804.06	698.47	615.36	544.30	485.90	437.71	399.04	363.12	331.28
210.0	791.93	691.79	609.60	545.07	487.13	439.48	400.26	366.88	336.57
240.0	796.54	696.01	610.83	544.07	485.75	435.87	395.97	358.98	324.37
270.0	793.77	695.70	610.29	539.93	476.46	424.36	377.24	334.65	302.65
300.0	830.30	722.10	631.55	560.95	499.56	447.38	404.41	366.50	330.82
330.0	839.59	733.46	643.06	572.62	506.01	457.20	414.77	379.31	347.08
360.0	857.93	748.96	654.57	577.07	513.37	461.19	416.69	387.52	349.23
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	320.46	295.98	271.04	251.55	232.51	215.33	199.13	183.71	168.67
30.0	338.80	311.78	287.69	266.89	247.17	229.29	211.03	193.30	174.96
60.0	321.15	292.06	262.75	240.34	220.31	201.36	184.55	167.83	152.17
90.0	305.34	278.71	255.38	234.36	214.71	197.68	180.64	165.68	151.48
120.0	312.78	284.39	257.84	235.35	215.71	198.06	180.79	164.14	148.72
150.0	322.60	297.28	275.56	253.46	233.74	217.01	197.45	178.18	159.31
180.0	305.57	282.16	260.75	238.42	221.16	203.51	187.39	172.43	155.78
210.0	311.40	286.92	264.97	245.41	226.68	208.19	190.54	171.97	149.25
240.0	290.68	264.21	240.42	221.39	202.82	184.55	168.59	152.48	137.59
270.0	276.26	253.69	231.44	213.18	194.91	178.95	163.76	149.79	135.44
300.0	296.21	268.74	244.18	224.76	205.81	187.47	171.51	154.40	140.51
330.0	319.15	294.75	270.96	251.55	231.59	213.64	196.06	178.34	155.78
360.0	320.46	295.98	271.04	251.55	232.51	215.33	199.13	183.71	168.67

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	152.86	135.98	117.72	99.53	79.50	59.93	40.98	22.18	5.91
30.0	153.78	133.06	113.34	94.31	76.28	57.86	34.99	17.11	6.06
60.0	136.98	121.94	98.91	79.35	61.31	40.52	22.33	13.74	6.45
90.0	136.06	114.65	94.31	75.89	56.10	37.68	20.87	14.04	7.52
120.0	134.14	118.41	94.54	75.36	58.55	37.45	18.88	12.20	5.91
150.0	137.36	117.18	100.60	81.27	66.07	45.97	27.70	11.82	3.99
180.0	139.97	122.70	104.29	85.18	66.84	48.65	32.23	15.65	2.84
210.0	130.61	109.81	91.70	74.82	55.10	34.76	17.42	6.37	2.38
240.0	123.01	102.06	81.27	63.69	44.35	27.09	15.04	7.06	3.30
270.0	113.57	94.39	75.89	58.09	38.45	22.10	15.58	8.29	3.07
300.0	126.62	107.74	85.72	66.84	49.65	30.85	16.11	8.36	4.30
330.0	136.98	117.64	98.07	81.11	63.16	41.36	25.09	8.13	3.07
360.0	152.86	135.98	117.72	99.53	79.50	59.93	40.98	22.18	5.91

C/γ(°)	90.0
0.0	0.54
30.0	2.07
60.0	2.30
90.0	2.23
120.0	1.23
150.0	0.69
180.0	0.46
210.0	0.38
240.0	0.38
270.0	0.31
300.0	0.46
330.0	0.38
360.0	0.54