

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2022A-30-UN (10-OL-30WN-C, P1)

报告编号:

电压(V): 220.4000

测试编号: 20210324002

电流(A): 0.1740

光源规格型号: OL

功率(W): 36.3000

每个光源光通量(lm)

功率因数: 0.9420

光源数量: 30

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 152

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3049.99

灯具效能(lm/w): 84.02

中心光强(cd): 30672.020

最大光强(cd): 30771.780

最大光强角度: C=120.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=10.7

[C90/270]Total=10.6

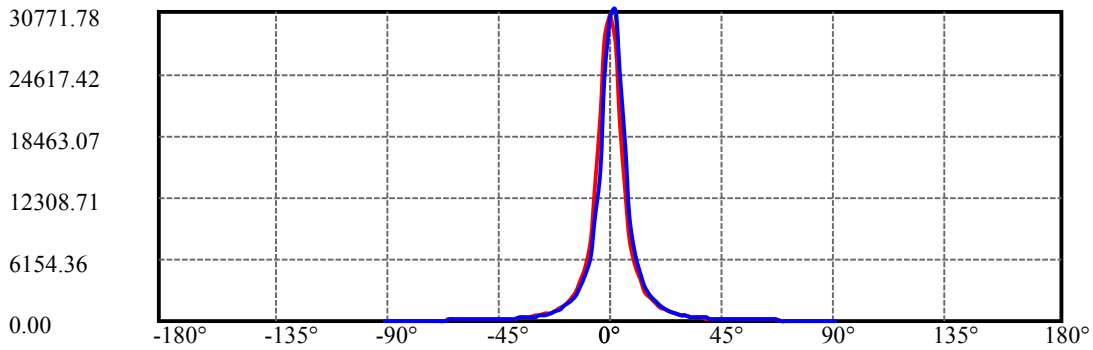
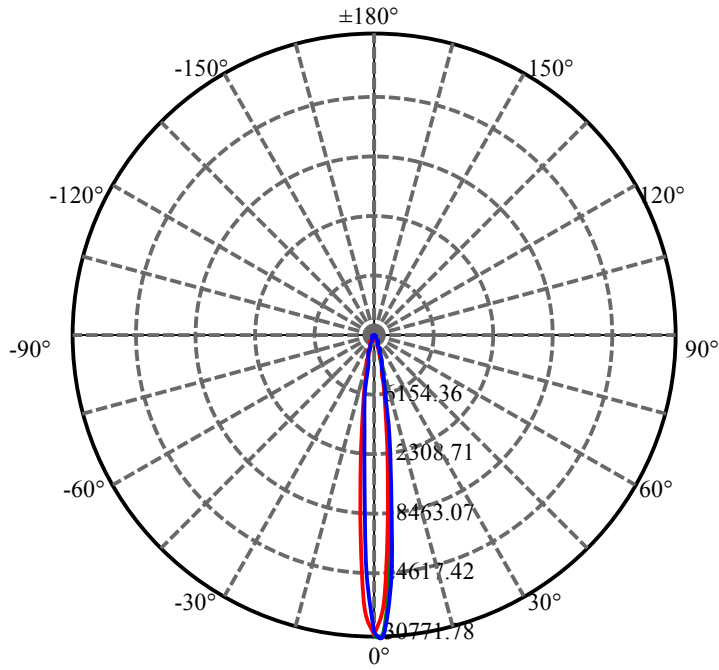
光束扩散角(10%Imax): [C0/180]Total=27.4

[C90/270]Total=27.5

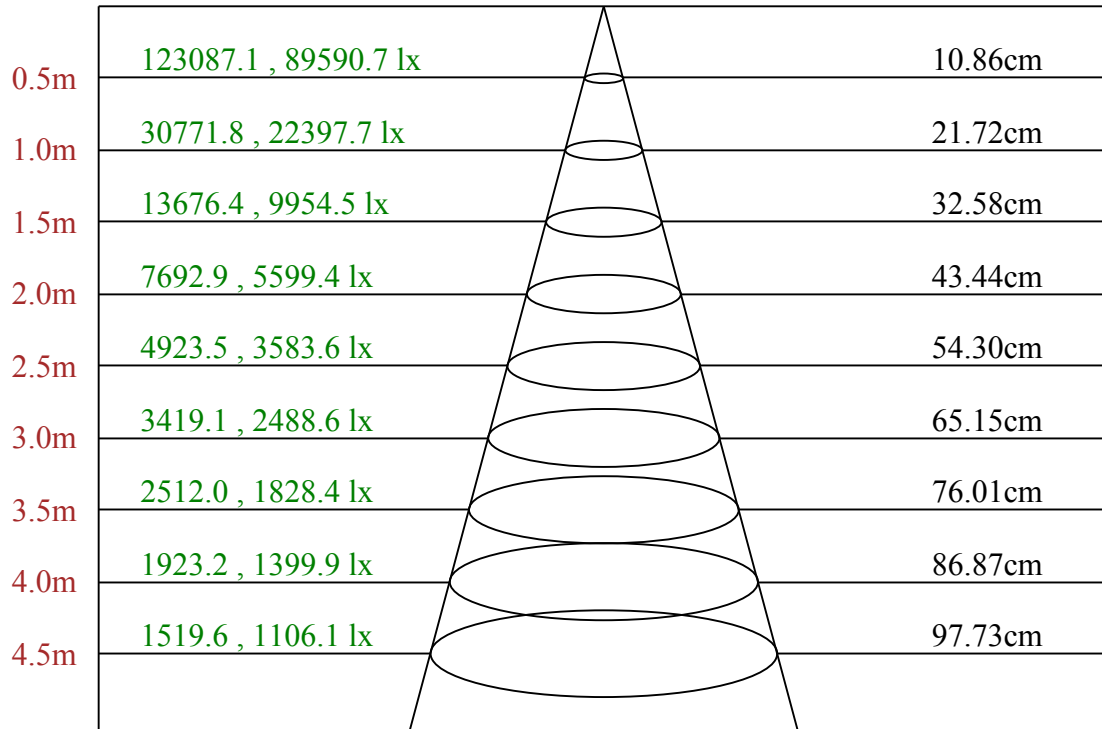
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/24
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

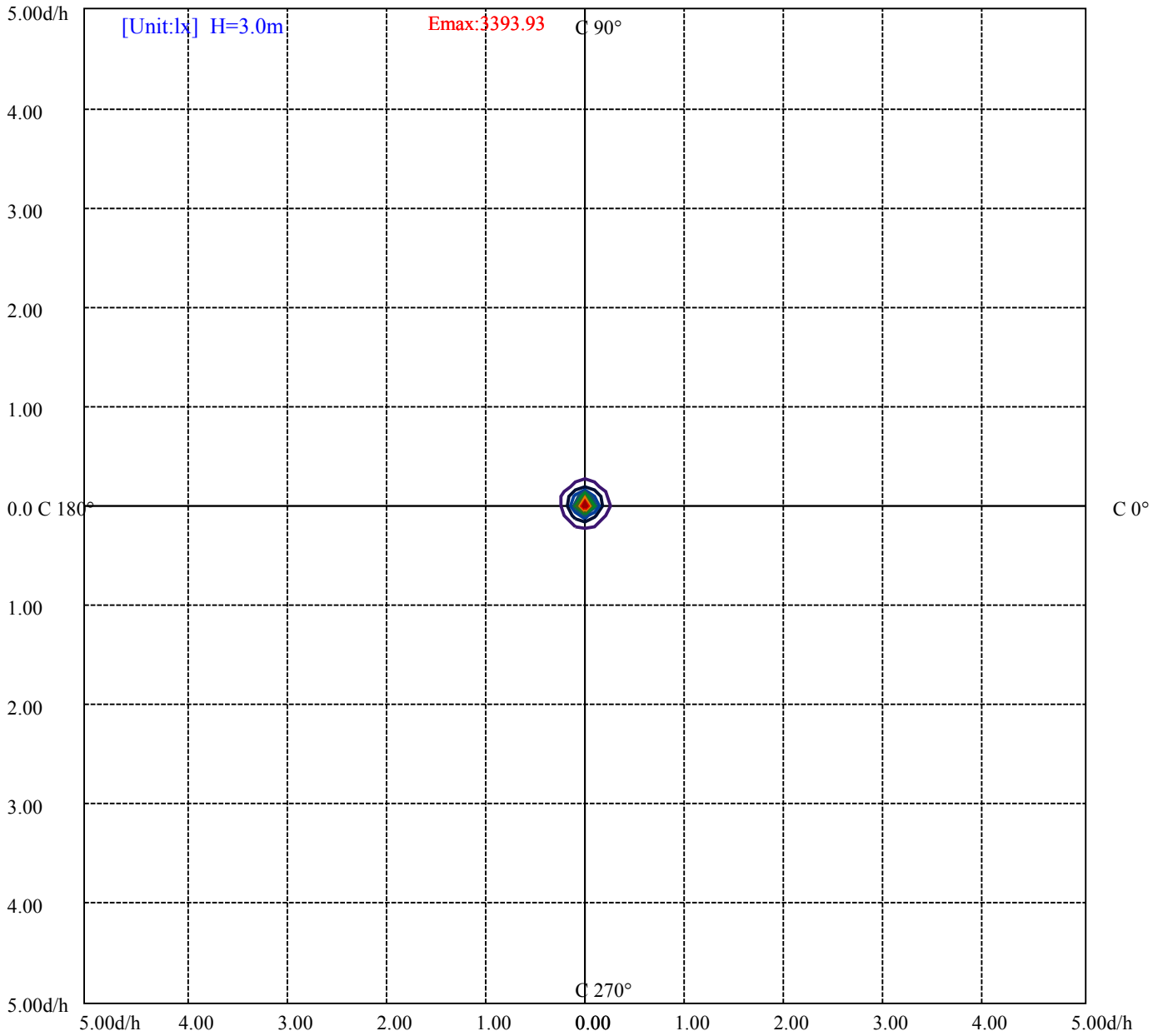


C120(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C120面光束角12.39

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平面等照度曲线



- (10%Emax) 339.3922
- (20%Emax) 678.7844
- (30%Emax) 1018.177
- (40%Emax) 1357.567
- (50%Emax) 1696.967
- (60%Emax) 2036.355
- (70%Emax) 2375.744
- (80%Emax) 2715.133
- (90%Emax) 3054.533

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

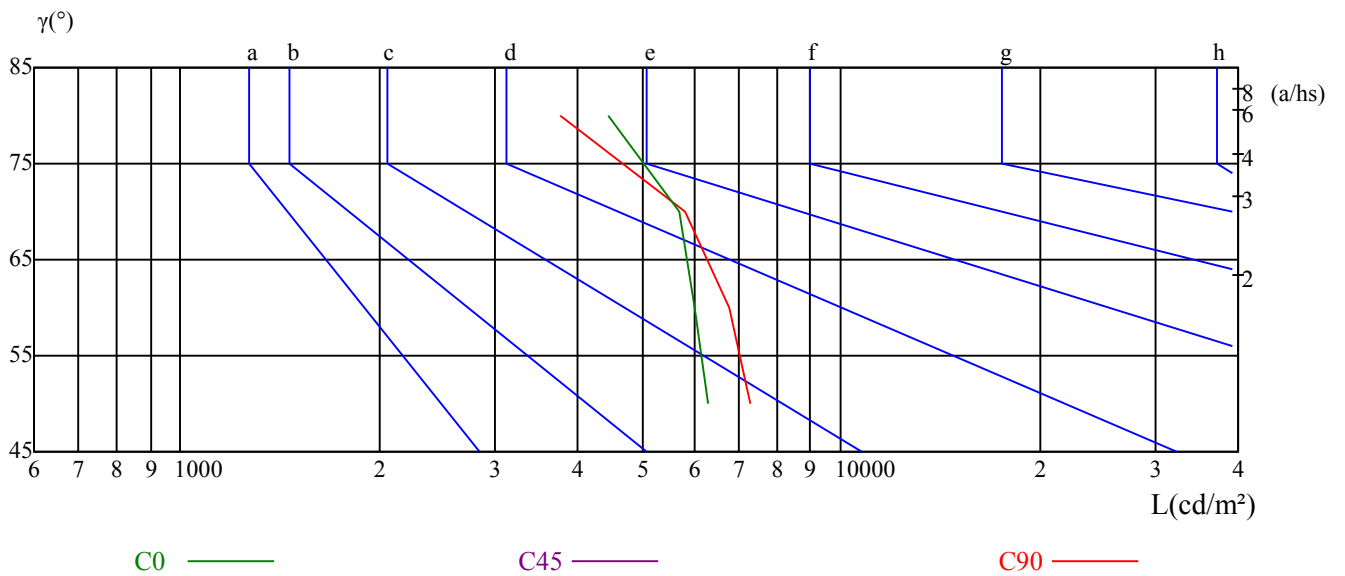
γ	45	50	55	60	65	70	75	80	85
C0	0	6307	0	6010	0	5680	0	4458	0
C45	0	0	0	0	0	0	0	0	0
C90	0	7310	0	6769	0	5811	0	3758	0

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

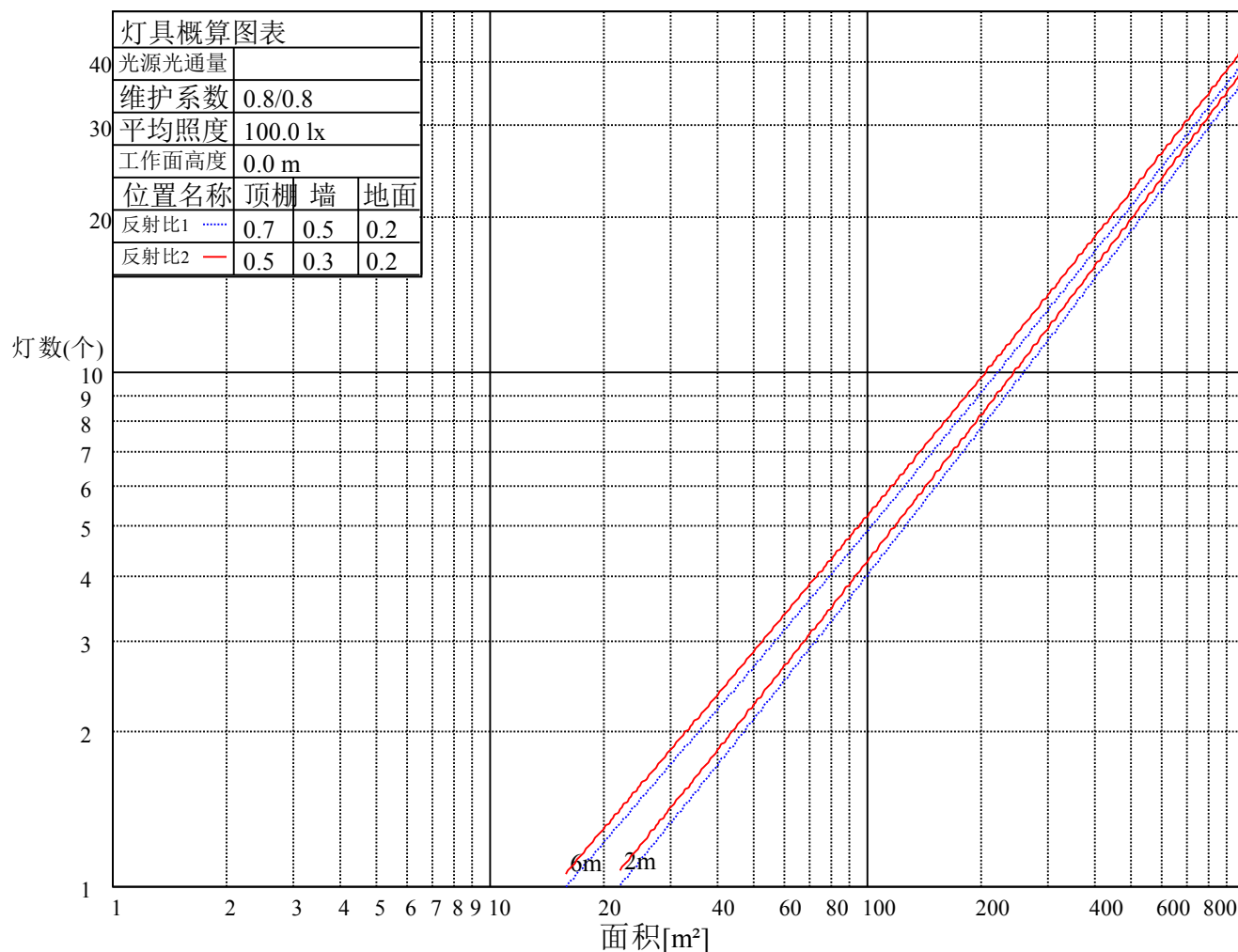
亮度限制曲线



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	11.18	12.27	11.55	12.58	12.90	10.86	11.95	11.22	12.26	12.58
	3H	12.78	13.75	13.17	14.08	14.45	12.68	13.65	13.06	13.98	14.35
	4H	13.30	14.20	13.71	14.55	14.94	13.33	14.23	13.74	14.58	14.97
	6H	13.52	14.35	13.94	14.72	15.12	13.73	14.55	14.15	14.93	15.32
	8H	13.53	14.31	13.97	14.70	15.11	13.82	14.59	14.25	14.99	15.39
	12H	13.52	14.26	13.95	14.64	15.07	13.88	14.62	14.32	15.01	15.44
4H	2H	11.72	12.62	12.13	12.97	13.36	11.47	12.37	11.87	12.72	13.11
	3H	13.51	14.25	13.93	14.66	15.06	13.53	14.27	13.95	14.68	15.08
	4H	14.14	14.80	14.58	15.22	15.67	14.30	14.96	14.73	15.38	15.82
	6H	14.39	14.95	14.86	15.40	15.88	14.71	15.27	15.17	15.72	16.19
	8H	14.41	14.93	14.88	15.38	15.86	14.82	15.34	15.29	15.79	16.27
8H	12H	14.39	14.85	14.88	15.34	15.81	14.88	15.33	15.37	15.82	16.30
	4H	14.37	14.90	14.84	15.34	15.82	14.50	15.03	14.98	15.48	15.95
	6H	14.69	15.11	15.20	15.61	16.10	15.02	15.44	15.53	15.94	16.43
	8H	14.74	15.12	15.27	15.64	16.13	15.18	15.55	15.71	16.07	16.57
12H	12H	15.33	15.65	15.85	16.15	16.73	15.78	16.10	16.30	16.60	17.18
	4H	14.36	14.82	14.85	15.30	15.78	14.48	14.94	14.97	15.42	15.90
	6H	15.07	15.08	15.24	15.55	16.09	15.38	15.39	15.55	15.86	16.41
	8H	14.78	15.10	15.30	15.60	16.18	15.21	15.53	15.73	16.03	16.61
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.5					0.3/-0.6					
S = 1.5H	0.8/-0.6					0.8/-0.7					
S = 2.0H	1.4/-0.9					0.9/-0.9					
标准表格	BK3					BK3					
更正系数	0.5					0.5					

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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	1.04	1.00	0.97	1.02	0.99	0.96	0.99	0.96	0.94	0.96	0.94	0.92	0.93	0.92	0.90	0.88
3	0.98	0.94	0.90	0.97	0.93	0.89	0.94	0.91	0.88	0.92	0.89	0.87	0.90	0.87	0.85	0.84
4	0.93	0.88	0.85	0.92	0.88	0.84	0.90	0.86	0.83	0.88	0.85	0.82	0.86	0.84	0.81	0.80
5	0.89	0.84	0.80	0.88	0.83	0.80	0.86	0.82	0.79	0.85	0.81	0.79	0.83	0.80	0.78	0.77
6	0.85	0.80	0.77	0.85	0.80	0.76	0.83	0.79	0.76	0.82	0.78	0.75	0.81	0.78	0.75	0.74
7	0.82	0.77	0.74	0.82	0.77	0.74	0.80	0.76	0.73	0.79	0.76	0.73	0.78	0.75	0.72	0.71
8	0.79	0.75	0.71	0.79	0.74	0.71	0.78	0.74	0.71	0.77	0.73	0.71	0.76	0.73	0.70	0.69
9	0.77	0.72	0.69	0.77	0.72	0.69	0.76	0.72	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.67
10	0.75	0.70	0.67	0.74	0.70	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.72	0.69	0.67	0.65

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	30672.02	27387.65	19967.12	12623.34	8180.23	5456.04	3928.97	2956.70	2256.09
30.0	30464.83	28661.49	21755.11	14526.43	9039.69	5908.80	4197.55	3166.96	2408.03
60.0	30625.98	29359.81	22645.27	14831.08	9311.34	6044.62	4272.75	3203.79	2435.65
90.0	30311.35	30679.69	24847.63	17173.87	10566.77	6637.80	4642.62	3376.45	2573.78
120.0	30771.78	30196.25	23819.35	14989.16	9854.64	6410.66	4450.01	3245.23	2451.00
150.0	30472.50	30081.14	23919.11	16015.14	9822.41	6384.57	4404.74	3280.53	2464.81
180.0	30672.02	27901.79	20619.39	13168.17	8234.71	5379.31	3872.18	2847.73	2158.63
210.0	30464.83	26413.08	18647.24	11648.00	7274.72	4936.53	3546.04	2682.75	2028.94
240.0	30625.98	26083.11	18186.81	11518.31	7251.70	4865.16	3913.62	2663.56	2027.41
270.0	30311.35	24133.98	15184.07	10087.92	6587.92	4492.99	3280.53	2474.79	1915.37
300.0	30771.78	25269.69	17595.93	10873.72	6983.12	4872.84	3928.97	2663.56	2068.08
330.0	30472.50	25054.83	15206.32	10887.53	6989.26	4874.37	3509.98	2691.96	2052.73
360.0	30672.02	27387.65	19967.12	12623.34	8180.23	5456.04	3928.97	2956.70	2256.09
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1733.50	1375.91	1082.77	861.00	701.38	583.21	487.28	415.15	361.51
30.0	1885.44	1467.22	1152.60	929.29	749.73	615.44	514.14	438.94	389.06
60.0	1880.84	1468.60	1168.25	930.67	759.47	623.34	521.28	442.55	385.45
90.0	1952.97	1537.05	1207.08	973.80	788.10	647.67	546.37	464.26	399.80
120.0	1911.53	1491.32	1171.71	945.10	762.00	631.09	522.58	446.92	385.30
150.0	1890.81	1484.11	1160.27	922.39	745.12	615.44	513.37	435.87	389.83
180.0	1616.09	1319.50	1040.33	833.52	684.27	565.71	480.15	409.47	354.53
210.0	1527.31	1240.00	988.99	797.76	653.73	546.60	463.96	402.64	350.61
240.0	1557.77	1240.08	983.01	795.77	648.43	544.84	460.43	400.57	351.92
270.0	1501.37	1183.06	948.78	770.29	641.22	534.48	456.13	395.97	348.93
300.0	1591.54	1253.13	1005.26	803.44	659.18	544.84	463.50	399.04	348.24
330.0	1529.00	1271.54	999.97	811.88	661.94	545.37	460.73	398.58	346.62
360.0	1733.50	1375.91	1082.77	861.00	701.38	583.21	487.28	415.15	361.51
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	315.16	279.86	250.55	227.83	207.96	191.46	177.57	166.37	156.39
30.0	334.96	297.59	267.66	243.33	223.77	205.73	191.46	180.03	169.13
60.0	338.18	300.73	272.03	247.79	227.22	209.42	195.99	183.79	172.66
90.0	352.23	315.16	284.54	260.83	239.50	220.70	206.04	192.84	182.10
120.0	339.41	301.58	271.96	248.63	227.99	210.03	195.60	183.71	172.51
150.0	334.04	298.74	268.81	244.79	224.46	207.58	193.15	180.72	169.97
180.0	310.86	276.26	249.55	226.53	207.73	190.85	177.26	165.68	156.01
210.0	311.17	279.40	254.31	232.98	214.40	199.36	186.55	175.12	164.60
240.0	311.94	282.16	255.84	234.13	216.02	201.13	188.31	177.42	166.90
270.0	311.71	282.24	258.91	238.27	220.70	204.58	193.15	181.71	171.20
300.0	310.02	279.09	253.00	231.44	214.17	198.75	186.24	174.96	164.45
330.0	309.02	277.56	251.55	230.37	212.95	197.22	184.55	173.73	163.30
360.0	315.16	279.86	250.55	227.83	207.96	191.46	177.57	166.37	156.39
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	147.95	139.74	131.07	123.32	115.26	106.74	97.38	89.09	79.73
30.0	159.38	150.48	142.27	133.22	125.01	117.10	108.74	100.30	91.01
60.0	163.30	153.94	145.03	134.60	125.62	115.64	105.13	93.54	82.42
90.0	171.43	161.23	150.41	138.90	128.61	117.33	105.51	93.31	81.57
120.0	162.84	153.40	144.11	134.06	124.47	114.95	104.06	93.08	81.96
150.0	159.92	149.64	137.74	128.15	121.71	111.19	100.99	93.85	83.03
180.0	146.42	136.90	128.77	121.02	112.65	103.37	95.08	86.02	76.74
210.0	155.93	146.88	138.51	129.76	121.48	113.65	105.13	95.85	86.18
240.0	157.24	148.72	138.36	129.00	119.56	108.89	97.23	86.71	75.82
270.0	160.61	149.64	138.66	127.69	116.41	104.59	93.01	80.80	70.98
300.0	154.70	145.88	135.90	126.00	116.87	105.97	94.92	83.95	73.13
330.0	154.01	145.65	136.52	128.08	119.79	111.73	103.29	94.46	84.64
360.0	147.95	139.74	131.07	123.32	115.26	106.74	97.38	89.09	79.73

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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	70.06	61.31	51.26	42.13	31.77	22.33	12.20	3.38	0.92
30.0	81.11	70.21	58.93	45.51	33.15	23.79	12.97	4.45	1.23
60.0	71.67	61.62	52.41	39.52	26.93	16.96	7.37	2.30	1.53
90.0	71.52	62.00	50.03	36.91	26.78	14.73	4.68	2.61	1.69
120.0	70.83	61.16	52.03	40.13	25.09	16.58	7.29	2.23	1.53
150.0	70.98	64.23	52.41	41.52	30.46	23.10	13.89	5.29	1.23
180.0	67.61	57.40	47.58	38.91	29.31	19.72	11.20	3.38	0.92
210.0	76.58	64.92	51.87	39.67	28.70	19.41	9.06	2.07	0.92
240.0	64.77	56.17	45.35	32.00	22.18	9.98	2.53	1.84	0.84
270.0	61.01	48.50	36.53	26.32	13.81	3.45	2.46	1.69	0.69
300.0	62.92	54.41	43.74	30.00	21.10	9.06	2.38	1.76	0.77
330.0	74.28	62.31	49.73	37.29	27.17	17.04	7.37	1.53	0.77
360.0	70.06	61.31	51.26	42.13	31.77	22.33	12.20	3.38	0.92

C/γ(°)	90.0
0.0	0.23
30.0	0.38
60.0	0.54
90.0	0.77
120.0	0.77
150.0	0.61
180.0	0.31
210.0	0.23
240.0	0.23
270.0	0.23
300.0	0.23
330.0	0.23
360.0	0.23