

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1012A-12-UN (30-OL-12WN-AJ, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210416006

电流(A): 0.1220

光源规格型号: OL

功率(W): 13.9000

每个光源光通量(lm)

功率因数: 0.5160

光源数量: 12

镇流器型号:

发光面长度(mm): 131

发光面宽度(mm): 131

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1330.38

灯具效能(lm/w): 95.71

中心光强(cd): 3632.758

最大光强(cd): 3642.734

最大光强角度: C=60.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=29.3

[C90/270]Total=29.2

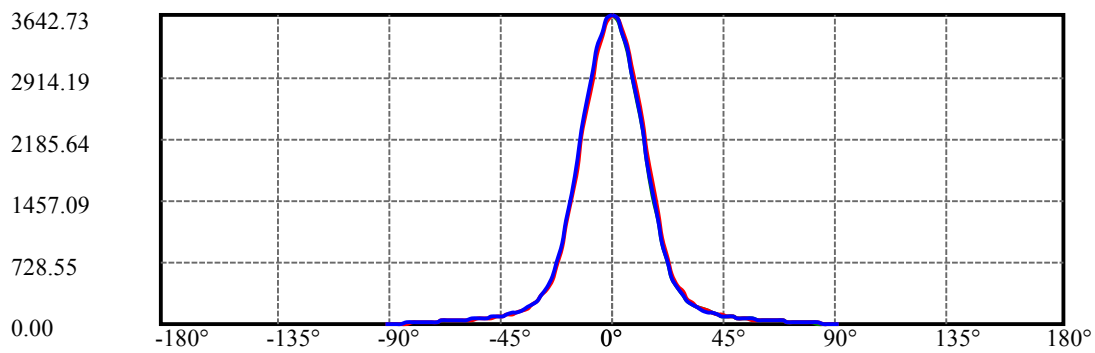
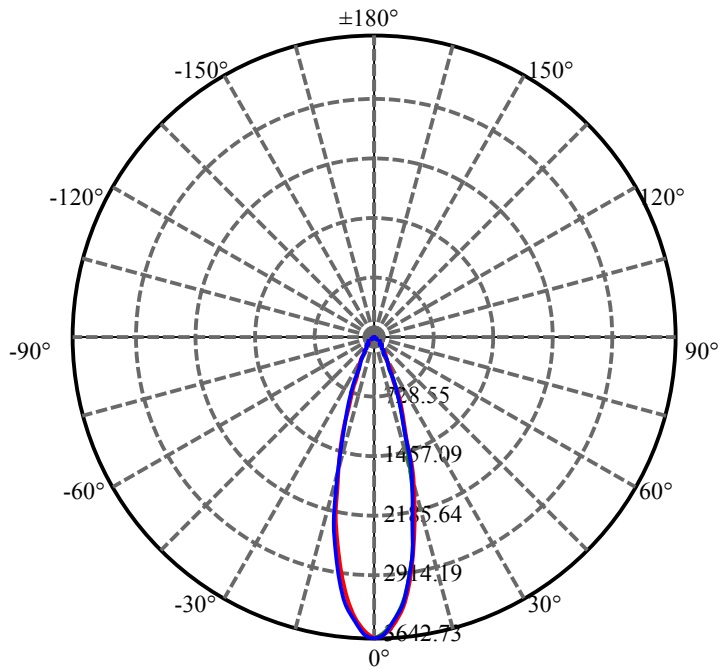
光束扩散角(10%Imax): [C0/180]Total=55.7

[C90/270]Total=55.1

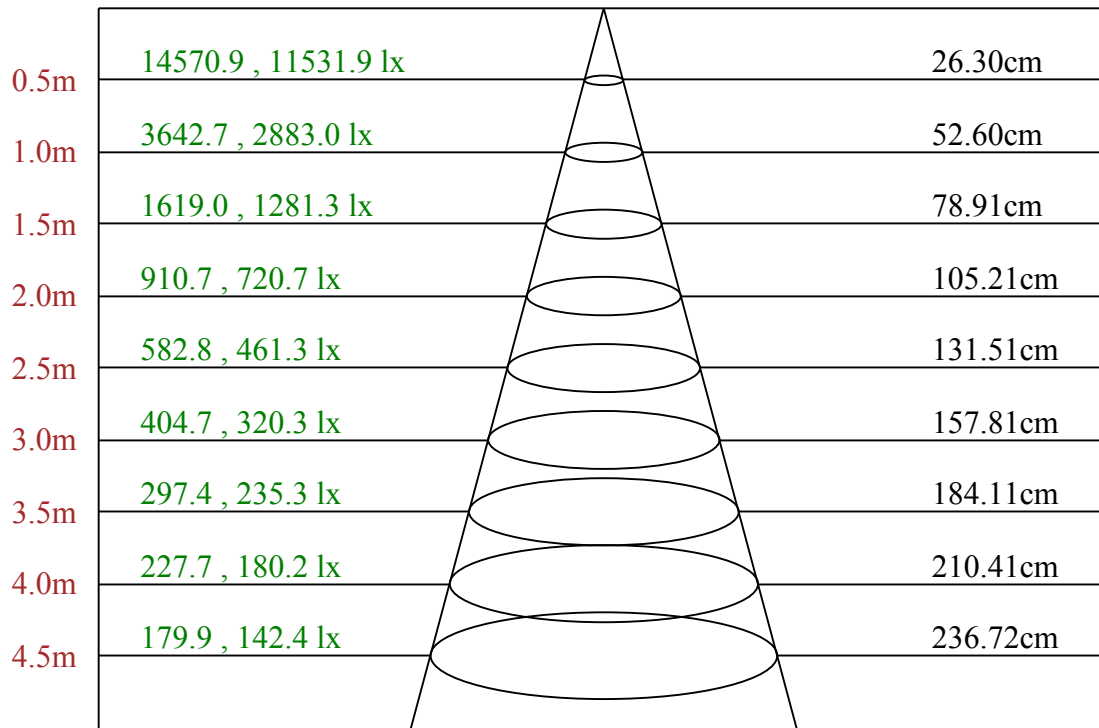
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/16
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

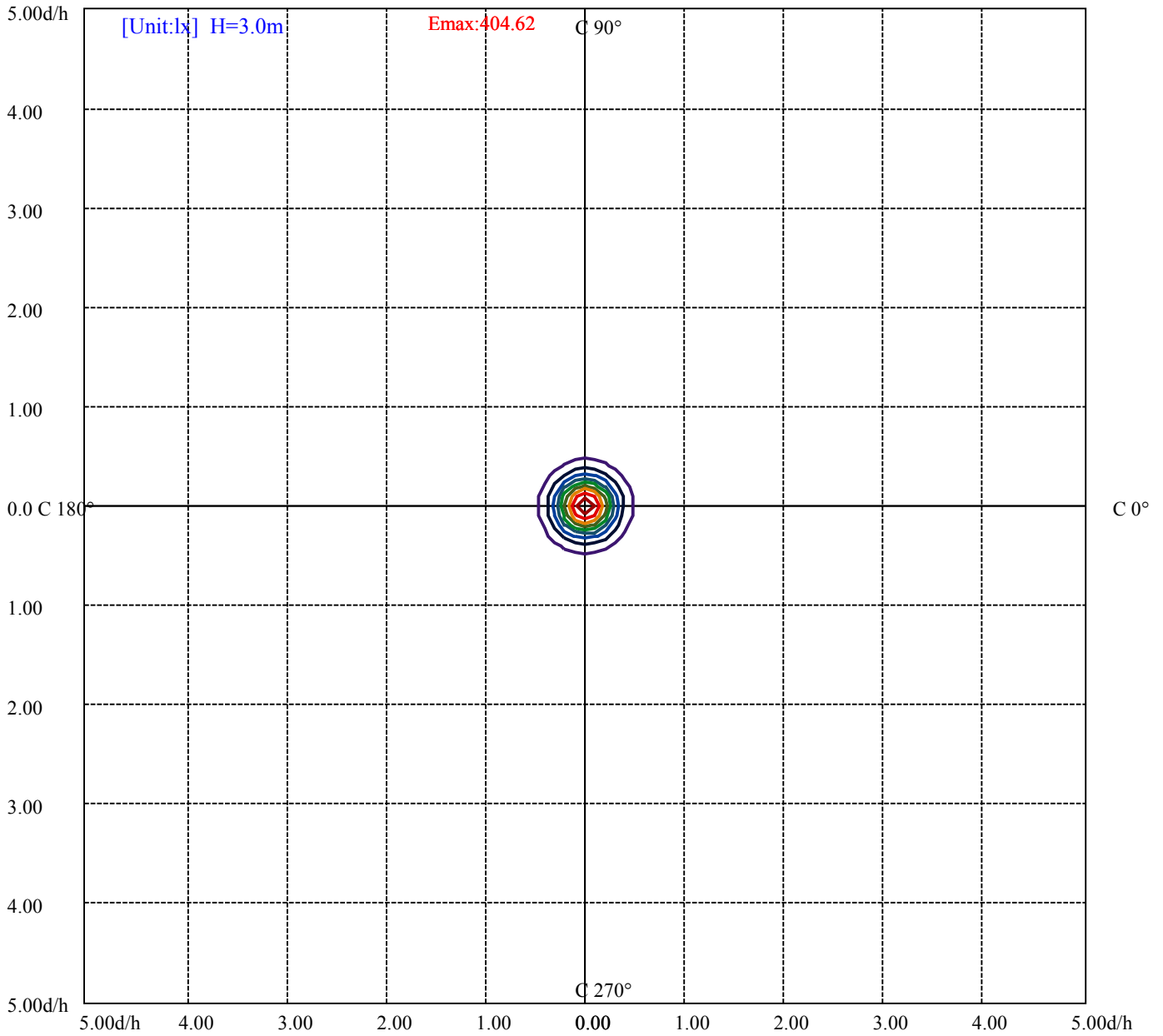











C60(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C60面光束角29.47

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平面等照度曲线



(10%Emax) 40.462	
(20%Emax) 80.924	
(30%Emax) 121.3856	
(40%Emax) 161.8478	
(50%Emax) 202.31	
(60%Emax) 242.7722	
(70%Emax) 283.2345	
(80%Emax) 323.6956	
(90%Emax) 364.1578	

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环境温度(°C): 25.0

测试日期: 2021/4/16
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共10页

亮度值表

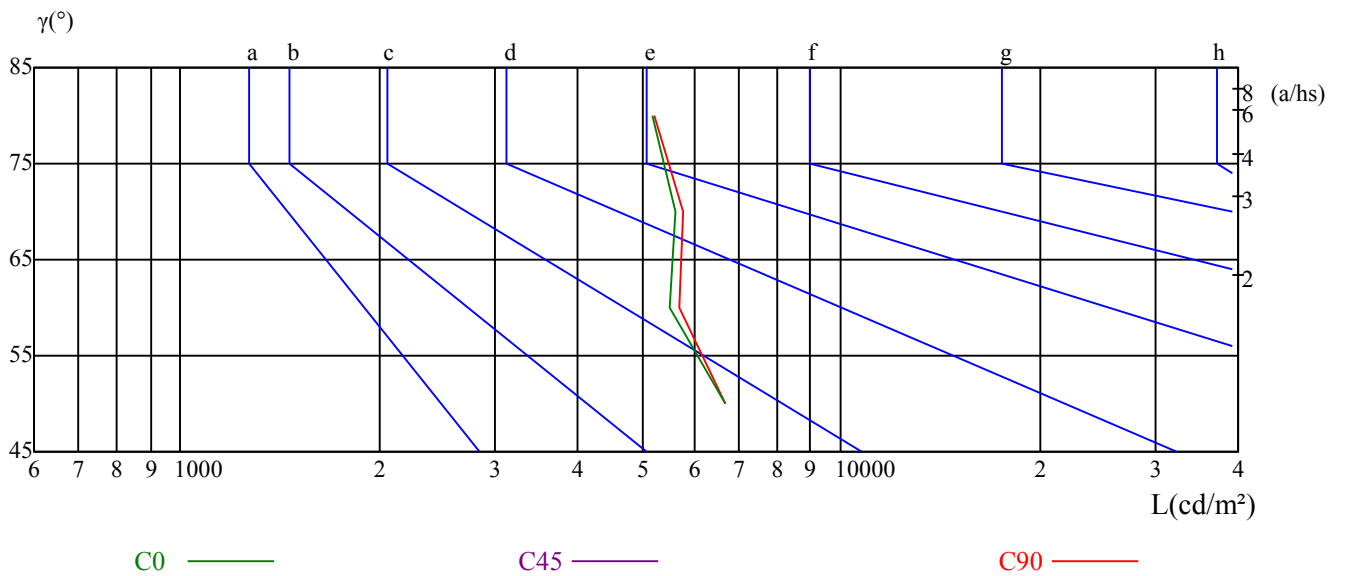
γ	45	50	55	60	65	70	75	80	85
C0	0	6699	0	5518	0	5622	0	5202	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6706	0	5688	0	5766	0	5227	0

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



测试设备: GMS1800
环境温度(°C): 25.0

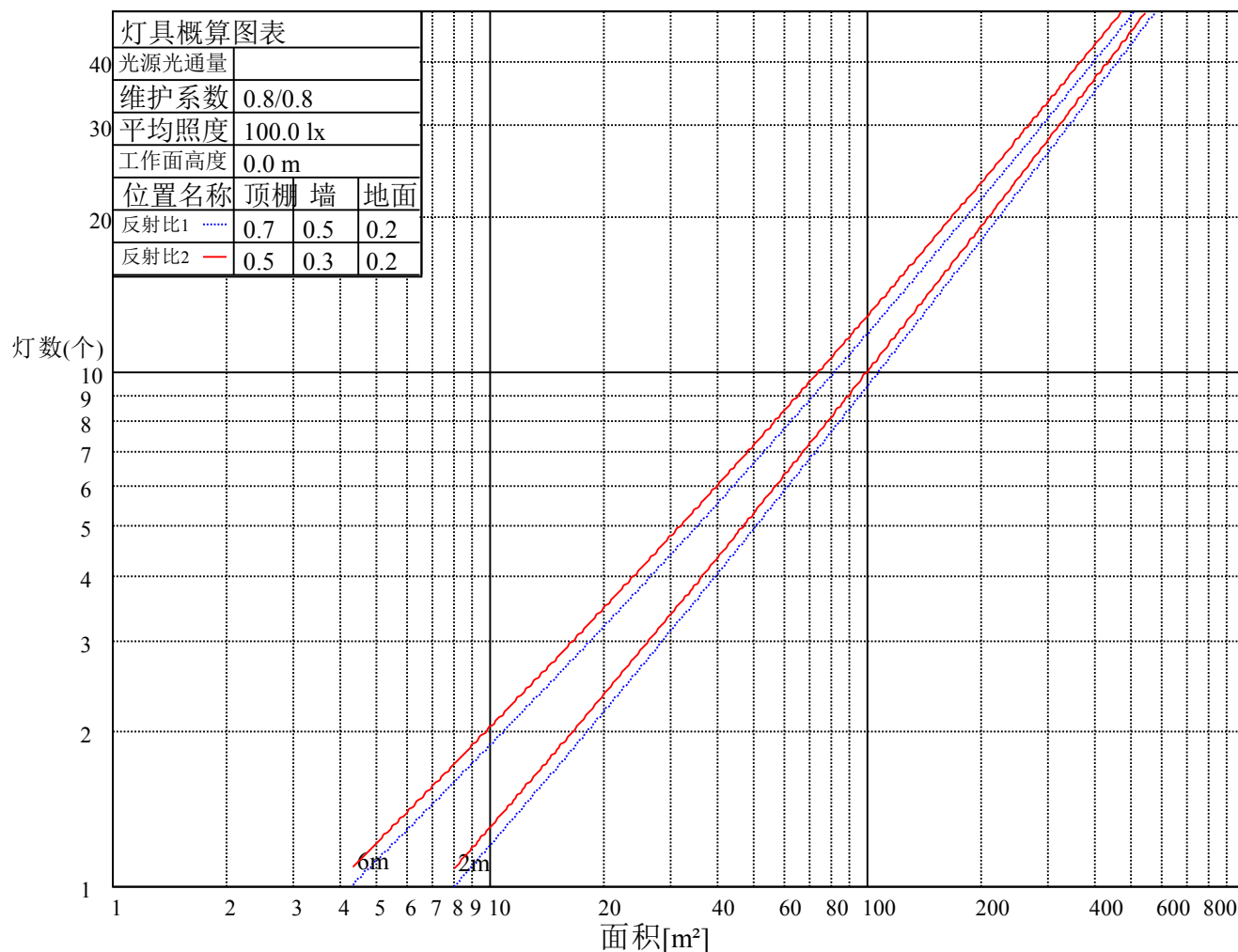
测试日期: 2021/4/16
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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	13.17	14.27	13.53	14.58	14.90	12.99	14.09	13.35	14.40	14.72
	3H	15.11	16.09	15.50	16.42	16.79	14.91	15.88	15.29	16.22	16.58
	4H	15.92	16.83	16.33	17.19	17.57	15.72	16.63	16.13	16.98	17.37
	6H	16.52	17.35	16.93	17.72	18.12	16.31	17.14	16.73	17.52	17.91
	8H	16.69	17.48	17.13	17.87	18.28	16.48	17.27	16.92	17.66	18.07
	12H	16.88	17.63	17.32	18.02	18.45	16.66	17.41	17.10	17.80	18.23
4H	2H	13.71	14.62	14.12	14.97	15.36	13.57	14.48	13.98	14.83	15.22
	3H	15.92	16.67	16.33	17.07	17.48	15.75	16.50	16.16	16.91	17.31
	4H	16.87	17.54	17.31	17.96	18.41	16.70	17.37	17.14	17.79	18.24
	6H	17.47	18.04	17.94	18.49	18.96	17.29	17.87	17.76	18.32	18.79
	8H	17.70	18.23	18.17	18.68	19.16	17.52	18.05	17.99	18.50	18.97
	12H	17.89	18.36	18.38	18.85	19.32	17.70	18.17	18.19	18.65	19.13
8H	4H	17.17	17.71	17.65	18.16	18.63	17.03	17.56	17.50	18.01	18.49
	6H	17.93	18.36	18.44	18.86	19.35	17.78	18.21	18.29	18.71	19.20
	8H	18.24	18.63	18.77	19.15	19.64	18.08	18.47	18.61	18.99	19.48
	12H	18.87	19.21	19.39	19.70	20.28	18.70	19.03	19.22	19.52	20.10
12H	4H	17.19	17.66	17.68	18.14	18.62	17.05	17.51	17.54	18.00	18.48
	6H	18.38	18.37	18.52	18.84	19.39	18.23	18.23	18.38	18.70	19.25
	8H	18.35	18.68	18.87	19.18	19.76	18.20	18.53	18.72	19.03	19.61
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.6					0.4/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.8					
S = 2.0H	1.5/-0.8					1.6/-0.9					
标准表格	BK3					BK4					
更正系数	0.4					0.9					

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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	1.10	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	0.87
3	0.96	0.91	0.87	0.95	0.90	0.87	0.92	0.88	0.85	0.90	0.87	0.84	0.88	0.85	0.83	0.81
4	0.91	0.85	0.81	0.89	0.85	0.81	0.87	0.83	0.80	0.85	0.82	0.79	0.84	0.80	0.78	0.76
5	0.86	0.80	0.76	0.85	0.80	0.76	0.83	0.79	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.72
6	0.81	0.76	0.72	0.81	0.75	0.72	0.79	0.75	0.71	0.78	0.74	0.71	0.77	0.73	0.70	0.69
7	0.78	0.72	0.68	0.77	0.72	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.66
8	0.74	0.69	0.65	0.74	0.69	0.65	0.73	0.68	0.65	0.72	0.67	0.64	0.71	0.67	0.64	0.63
9	0.71	0.66	0.62	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.68	0.64	0.62	0.60
10	0.68	0.63	0.60	0.68	0.63	0.60	0.67	0.63	0.59	0.66	0.62	0.59	0.66	0.62	0.59	0.58

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	3632.76	3607.43	3483.12	3285.90	3044.18	2732.63	2380.40	2038.92	1663.67
30.0	3640.43	3615.11	3487.72	3291.28	3042.65	2730.32	2384.24	2035.08	1659.83
60.0	3642.73	3585.18	3434.01	3219.91	2953.63	2630.56	2283.71	1928.42	1517.95
90.0	3641.20	3589.78	3438.61	3236.02	2963.61	2637.47	2283.71	1930.72	1558.54
120.0	3637.36	3559.09	3399.48	3176.17	2882.26	2549.99	2213.88	1838.63	1483.95
150.0	3638.13	3575.97	3414.82	3193.82	2910.66	2596.80	2241.51	1886.98	1517.87
180.0	3632.76	3558.32	3391.03	3163.89	2883.80	2550.76	2215.41	1842.47	1489.32
210.0	3640.43	3572.90	3407.92	3191.52	2908.36	2571.48	2213.11	1859.35	1496.77
240.0	3642.73	3598.23	3458.56	3245.23	2992.77	2672.77	2330.52	1948.37	1593.84
270.0	3641.20	3592.09	3445.52	3248.30	2978.19	2649.75	2295.22	1936.86	1528.84
300.0	3637.36	3612.04	3490.03	3295.11	3044.95	2747.21	2391.91	2028.17	1667.51
330.0	3638.13	3598.23	3460.87	3272.09	3011.18	2691.19	2342.80	1990.57	1530.68
360.0	3632.76	3607.43	3483.12	3285.90	3044.18	2732.63	2380.40	2038.92	1663.67
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1307.61	1009.87	775.05	587.81	463.50	388.29	295.98	244.49	203.89
30.0	1330.63	1025.98	778.12	594.72	462.73	391.36	299.28	247.86	207.34
60.0	1231.79	939.73	722.71	553.89	436.71	347.77	282.70	233.90	198.75
90.0	1225.50	950.01	721.33	551.74	428.96	346.32	280.86	233.59	195.99
120.0	1173.86	891.31	675.06	518.13	409.47	326.52	268.27	222.16	187.47
150.0	1187.90	919.32	696.78	533.33	415.92	334.81	271.57	225.84	189.39
180.0	1165.72	900.59	682.58	523.35	412.46	328.21	266.82	220.39	187.09
210.0	1172.17	908.27	684.73	532.94	416.53	330.43	268.81	224.23	187.93
240.0	1246.22	960.75	738.22	561.72	437.40	351.84	283.62	234.74	198.29
270.0	1224.66	949.01	714.43	554.81	431.96	341.56	277.48	230.98	193.30
300.0	1310.68	1025.21	765.84	590.88	458.89	388.29	295.36	243.64	205.35
330.0	1270.62	986.54	743.89	576.99	448.76	353.61	286.38	237.66	198.29
360.0	1307.61	1009.87	775.05	587.81	463.50	388.29	295.98	244.49	203.89
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	174.96	151.33	132.53	115.87	102.37	90.78	81.65	73.90	67.22
30.0	176.88	152.63	133.91	117.49	104.06	93.31	84.03	76.66	69.60
60.0	170.43	147.87	130.15	114.65	101.52	90.63	82.11	74.51	67.91
90.0	167.67	145.34	127.92	112.50	99.84	89.71	80.96	73.98	67.22
120.0	161.07	140.05	123.62	109.20	97.61	87.48	79.12	72.13	66.22
150.0	161.84	140.12	123.16	108.28	96.08	86.25	77.89	71.21	64.69
180.0	160.23	139.82	122.17	107.59	95.38	85.10	77.20	70.06	64.15
210.0	161.07	140.81	123.01	108.89	96.84	87.40	79.35	72.44	66.68
240.0	169.05	147.80	129.07	113.65	101.06	90.09	81.96	74.59	67.91
270.0	165.75	144.96	126.54	112.34	99.30	89.32	80.88	73.90	67.45
300.0	174.58	151.17	131.76	116.64	103.52	92.32	83.64	76.05	69.29
330.0	169.28	147.41	128.08	113.26	99.53	89.17	80.34	72.75	66.45
360.0	174.96	151.33	132.53	115.87	102.37	90.78	81.65	73.90	67.22
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	61.24	56.10	51.64	47.35	43.97	40.75	37.91	35.53	33.00
30.0	64.15	58.93	54.64	50.42	46.66	43.36	40.29	37.52	34.76
60.0	62.46	57.40	53.03	48.81	45.35	42.13	39.44	36.68	33.69
90.0	61.93	57.02	52.57	48.81	45.28	42.28	39.44	36.68	33.84
120.0	60.85	56.10	51.95	48.11	44.81	41.59	38.91	36.22	33.46
150.0	59.47	54.71	50.57	46.66	43.20	40.29	37.52	35.07	32.38
180.0	58.70	53.95	49.80	45.97	42.44	39.52	36.99	34.53	32.00
210.0	61.39	56.79	52.34	48.57	45.12	41.98	38.98	36.30	33.69
240.0	62.62	57.71	53.10	49.34	45.81	42.44	39.75	36.91	33.92
270.0	62.00	57.32	52.72	49.04	45.51	42.51	39.52	36.76	33.92
300.0	63.54	58.70	54.18	50.26	46.66	43.20	40.29	37.68	34.84
330.0	60.93	56.17	51.34	47.50	43.89	40.90	37.99	35.38	32.84
360.0	61.24	56.10	51.64	47.35	43.97	40.75	37.91	35.53	33.00

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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	30.39	26.86	23.10	19.26	15.50	11.59	7.83	3.84	0.84
30.0	31.85	28.32	24.48	20.57	16.35	12.43	8.44	4.22	0.84
60.0	30.70	27.01	23.02	19.11	15.35	11.28	7.44	3.53	0.54
90.0	30.77	27.24	23.40	19.49	15.58	11.66	7.75	3.68	0.61
120.0	30.54	27.09	23.33	19.03	15.19	11.20	7.37	3.30	0.38
150.0	29.70	26.40	22.48	18.80	15.12	10.97	7.21	3.45	0.46
180.0	29.31	26.01	22.18	18.26	14.50	10.67	6.83	3.22	0.46
210.0	30.62	27.01	23.17	19.49	15.27	11.51	7.67	3.38	0.38
240.0	30.93	27.55	23.48	19.72	15.96	11.74	8.06	4.14	0.69
270.0	30.70	27.17	23.33	19.57	15.58	11.82	8.06	3.99	0.69
300.0	31.85	28.55	24.71	20.64	16.58	12.58	8.90	4.76	1.23
330.0	30.08	26.63	22.64	19.11	15.27	11.43	7.75	3.91	0.61
360.0	30.39	26.86	23.10	19.26	15.50	11.59	7.83	3.84	0.84
C/γ(°)	90.0								
0.0	0.00								
30.0	0.08								
60.0	0.00								
90.0	0.08								
120.0	0.08								
150.0	0.08								
180.0	0.00								
210.0	0.00								
240.0	0.00								
270.0	0.08								
300.0	0.00								
330.0	0.08								
360.0	0.00								