

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3323A-15-36DC-RC-Y (55-XL-15RGBWN-AJ, L1000, C, CT)

报告编号:

电压(V): 220.3000

测试编号: 20210411003

电流(A): 0.3710

光源规格型号: XL

功率(W): 76.5000

每个光源光通量(lm)

功率因数: 0.9360

光源数量: 15

镇流器型号:

发光面长度(mm): 980

发光面宽度(mm): 45

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3015.91

灯具效能(lm/w): 39.42

中心光强(cd): 2803.992

最大光强(cd): 2876.125

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=55.3

[C90/270]Total=54.9

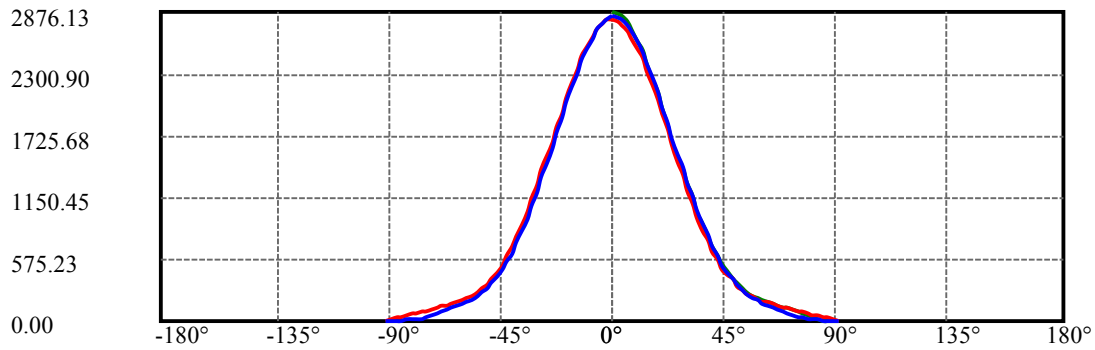
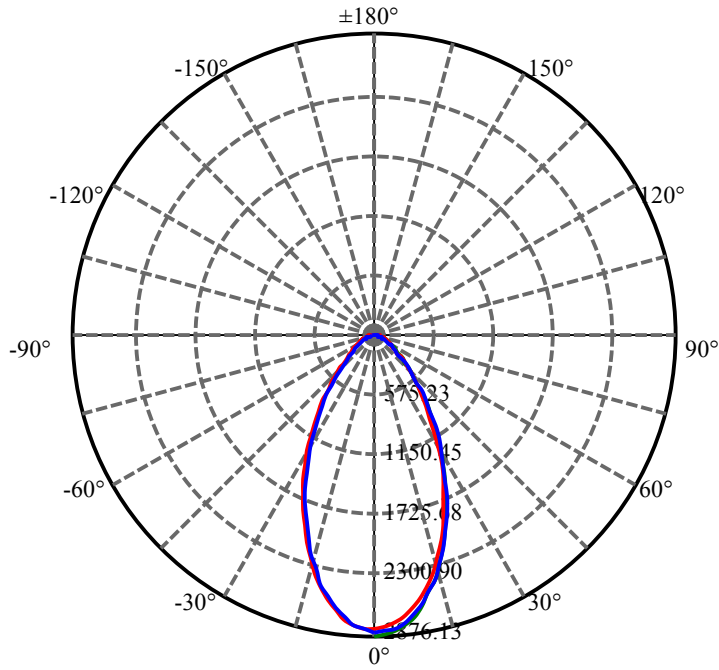
光束扩散角(10%Imax): [C0/180]Total=105.5

[C90/270]Total=103.2

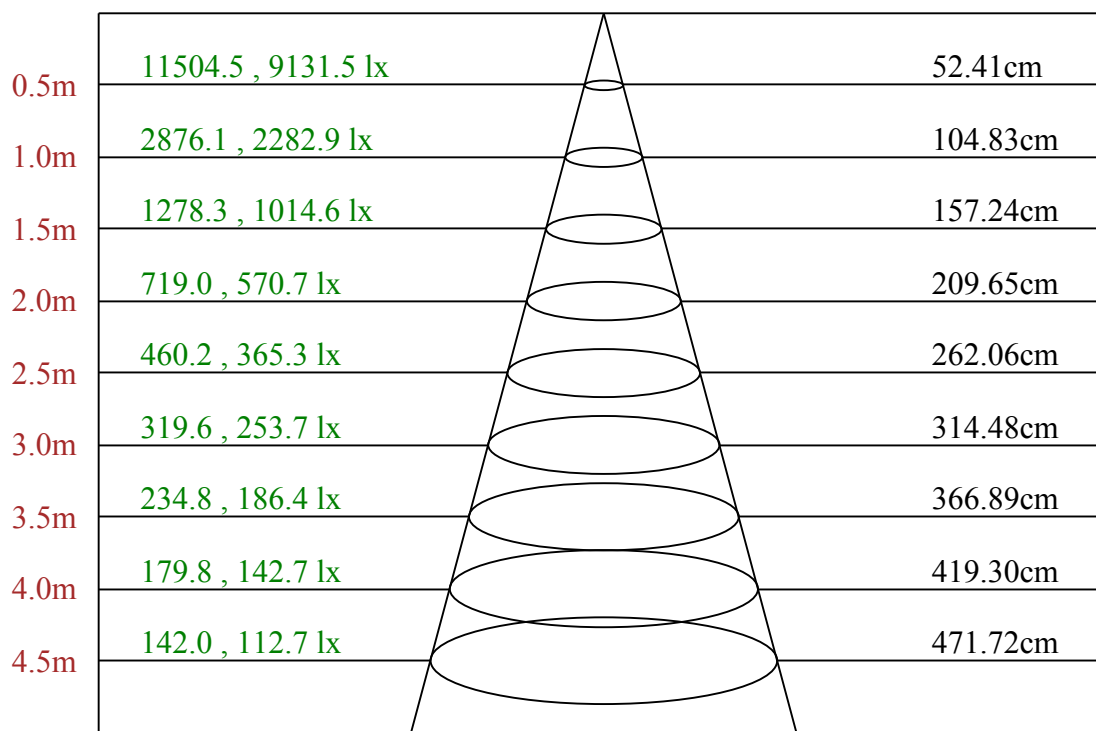
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/11
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

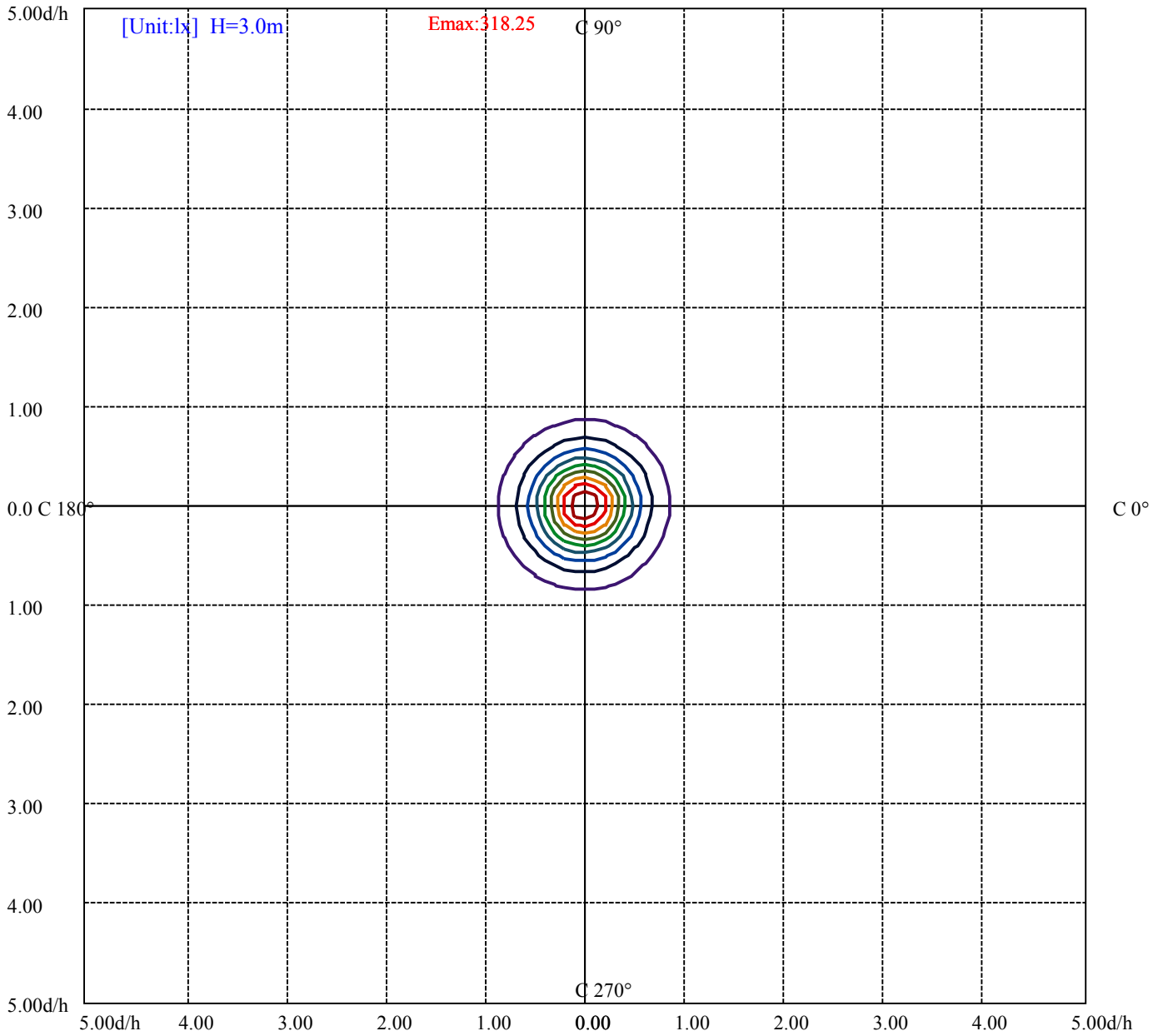


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角55.32

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平面等照度曲线



(10%Emax) 31.82478	——
(20%Emax) 63.64956	——
(30%Emax) 95.47422	——
(40%Emax) 127.2989	——
(50%Emax) 159.1233	——
(60%Emax) 190.9489	——
(70%Emax) 222.7733	——
(80%Emax) 254.5978	——
(90%Emax) 286.4222	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

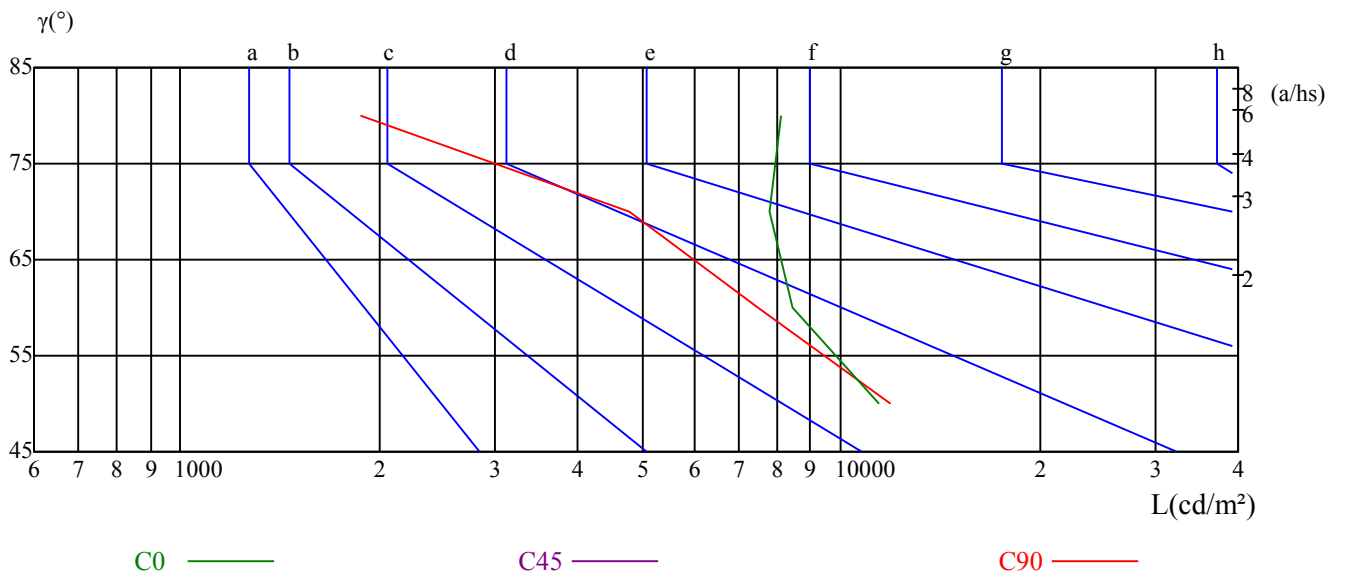
γ	45	50	55	60	65	70	75	80	85
C0	0	11465	0	8453	0	7825	0	8097	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11914	0	7486	0	4782	0	1874	0

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

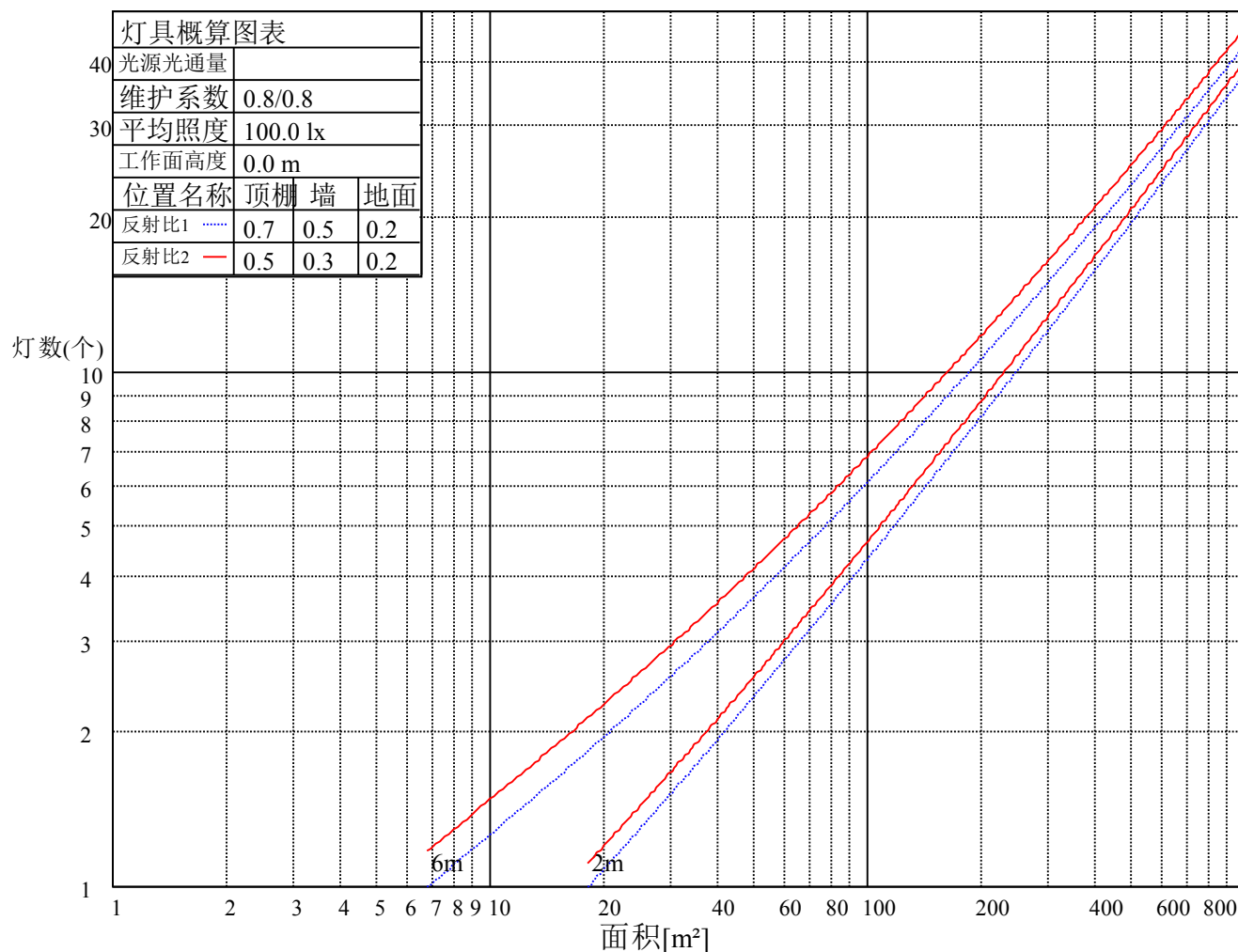
亮度限制曲线



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	13.02	14.28	13.38	14.59	14.91	13.68	14.95	14.05	15.26	15.57
	3H	13.98	15.10	14.36	15.43	15.80	15.30	16.42	15.68	16.75	17.12
	4H	14.15	15.20	14.56	15.55	15.94	15.98	17.02	16.38	17.37	17.76
	6H	14.18	15.14	14.60	15.51	15.91	16.55	17.51	16.97	17.88	18.28
	8H	14.17	15.07	14.60	15.47	15.87	16.78	17.69	17.21	18.08	18.49
	12H	14.16	15.03	14.60	15.41	15.85	17.11	17.98	17.55	18.37	18.80
4H	2H	13.54	14.59	13.95	14.94	15.33	14.09	15.13	14.49	15.48	15.87
	3H	14.66	15.52	15.07	15.92	16.33	15.95	16.81	16.37	17.22	17.62
	4H	14.88	15.65	15.32	16.07	16.51	16.75	17.52	17.18	17.94	18.38
	6H	14.93	15.59	15.39	16.04	16.51	17.32	17.98	17.78	18.43	18.89
	8H	14.91	15.53	15.38	15.98	16.45	17.59	18.21	18.06	18.65	19.13
	12H	14.91	15.46	15.40	15.94	16.42	17.93	18.48	18.42	18.96	19.43
8H	4H	15.12	15.73	15.59	16.18	16.65	16.81	17.43	17.29	17.88	18.35
	6H	15.18	15.68	15.68	16.18	16.66	17.46	17.96	17.96	18.46	18.94
	8H	15.17	15.62	15.70	16.14	16.63	17.78	18.23	18.30	18.74	19.23
	12H	15.88	16.27	16.40	16.77	17.34	18.60	19.00	19.12	19.49	20.06
12H	4H	15.13	15.67	15.61	16.15	16.63	16.77	17.32	17.26	17.80	18.28
	6H	15.75	15.65	15.73	16.12	16.66	17.97	17.87	17.95	18.34	18.88
	8H	15.22	15.61	15.73	16.11	16.68	17.76	18.16	18.28	18.65	19.22
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.3					0.6/-1.0					
S = 1.5H	1.9/-2.1					1.3/-1.3					
S = 2.0H	4.0/-2.8					2.5/-1.4					
标准表格	BK2					BK2					
更正系数	2.2					3.3					

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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	1.08	1.05	1.03	1.06	1.03	1.01	1.02	1.00	0.98	0.98	0.97	0.95	0.95	0.93	0.92	0.90
2	0.99	0.94	0.89	0.97	0.92	0.88	0.94	0.90	0.86	0.90	0.87	0.85	0.88	0.85	0.83	0.81
3	0.90	0.84	0.79	0.89	0.83	0.78	0.86	0.81	0.77	0.83	0.79	0.76	0.81	0.78	0.75	0.73
4	0.83	0.76	0.71	0.81	0.75	0.70	0.79	0.74	0.70	0.77	0.72	0.69	0.75	0.71	0.68	0.66
5	0.76	0.69	0.64	0.75	0.69	0.64	0.73	0.68	0.63	0.72	0.67	0.63	0.70	0.65	0.62	0.60
6	0.71	0.64	0.58	0.70	0.63	0.58	0.68	0.62	0.58	0.67	0.61	0.57	0.65	0.61	0.57	0.55
7	0.66	0.59	0.54	0.65	0.58	0.54	0.64	0.58	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
8	0.61	0.54	0.50	0.61	0.54	0.49	0.59	0.54	0.49	0.58	0.53	0.49	0.57	0.52	0.49	0.47
9	0.57	0.51	0.46	0.57	0.50	0.46	0.56	0.50	0.46	0.55	0.49	0.46	0.54	0.49	0.45	0.44
10	0.54	0.47	0.43	0.53	0.47	0.43	0.53	0.47	0.43	0.52	0.46	0.43	0.51	0.46	0.42	0.41

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	2803.99	2790.18	2755.65	2703.47	2632.87	2543.85	2439.49	2329.75	2200.07
30.0	2876.13	2866.92	2834.69	2780.20	2710.37	2616.75	2510.09	2394.21	2259.15
60.0	2852.34	2843.90	2810.90	2758.72	2685.82	2592.96	2485.53	2368.12	2233.06
90.0	2831.62	2830.08	2804.76	2758.72	2695.02	2608.31	2506.25	2395.75	2265.29
120.0	2818.57	2815.50	2790.95	2747.97	2685.82	2602.94	2503.18	2391.91	2261.46
150.0	2809.36	2810.13	2787.11	2745.67	2688.12	2608.31	2510.85	2402.65	2272.97
180.0	2803.99	2797.09	2767.93	2718.05	2651.28	2563.04	2460.97	2347.40	2216.18
210.0	2876.13	2861.55	2821.64	2764.09	2687.35	2589.13	2477.86	2358.15	2217.72
240.0	2852.34	2836.99	2797.85	2736.46	2662.79	2566.87	2455.60	2332.82	2204.67
270.0	2831.62	2810.13	2768.69	2711.14	2634.40	2537.71	2429.51	2307.50	2177.05
300.0	2818.57	2800.92	2764.09	2711.91	2641.31	2553.83	2447.93	2335.13	2200.83
330.0	2809.36	2790.95	2751.81	2699.63	2625.19	2538.48	2435.65	2314.41	2184.72
360.0	2803.99	2790.18	2755.65	2703.47	2632.87	2543.85	2439.49	2329.75	2200.07
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2059.64	1925.35	1778.78	1637.58	1490.24	1355.19	1216.29	1087.37	964.59
30.0	2117.19	1977.53	1827.89	1684.39	1543.96	1413.51	1280.75	1154.90	1025.98
60.0	2092.63	1946.83	1809.47	1670.58	1527.46	1412.97	1281.44	1149.99	1027.59
90.0	2133.31	1986.74	1837.10	1693.60	1560.08	1423.48	1292.26	1164.88	1035.19
120.0	2122.56	1974.46	1831.73	1686.69	1529.38	1416.81	1282.13	1147.84	1023.60
150.0	2139.44	1991.34	1838.63	1691.30	1555.47	1415.81	1283.82	1158.74	1029.82
180.0	2080.36	1937.62	1801.80	1661.37	1531.07	1402.46	1271.85	1141.70	1014.70
210.0	2075.75	1938.39	1792.59	1656.00	1531.68	1404.37	1277.07	1154.52	1023.68
240.0	2061.17	1927.65	1784.92	1642.18	1515.57	1382.81	1251.59	1124.21	1002.19
270.0	2034.31	1894.65	1743.48	1601.51	1470.83	1337.23	1203.55	1078.32	947.63
300.0	2054.27	1913.07	1762.66	1610.72	1467.22	1330.63	1191.73	1059.75	937.73
330.0	2041.22	1896.95	1740.41	1590.77	1453.72	1315.44	1179.69	1053.38	925.61
360.0	2059.64	1925.35	1778.78	1637.58	1490.24	1355.19	1216.29	1087.37	964.59
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	845.65	747.42	643.83	563.25	489.59	423.59	390.59	324.98	285.46
30.0	906.27	793.47	696.78	606.23	527.19	458.89	399.04	350.92	304.11
60.0	906.96	793.77	695.78	603.69	526.19	451.29	392.05	337.72	293.67
90.0	911.64	798.07	699.08	606.99	524.12	455.05	391.36	337.72	285.39
120.0	902.97	790.86	694.09	603.54	523.35	453.21	394.35	340.18	293.83
150.0	910.11	798.84	703.68	613.13	534.09	468.10	407.48	357.21	310.86
180.0	900.98	789.32	693.17	603.00	523.81	454.67	397.50	345.47	301.43
210.0	904.35	797.76	693.48	604.54	525.27	458.28	398.96	349.69	304.57
240.0	880.18	771.98	675.29	585.51	508.77	438.94	387.52	332.81	289.84
270.0	832.76	731.69	633.62	549.90	475.54	412.08	355.99	306.41	265.13
300.0	821.09	724.40	624.64	545.60	475.01	413.62	358.67	311.25	271.96
330.0	813.50	715.73	621.80	542.46	471.48	411.24	358.13	311.94	275.03
360.0	845.65	747.42	643.83	563.25	489.59	423.59	390.59	324.98	285.46
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	251.93	226.68	203.28	186.40	171.12	156.77	143.96	130.68	118.02
30.0	268.81	238.73	215.25	194.91	177.19	161.84	146.72	131.91	117.33
60.0	254.85	222.39	197.22	174.50	156.62	139.05	121.71	102.06	81.50
90.0	246.40	213.41	187.62	165.06	145.19	126.39	106.90	87.40	72.13
120.0	256.69	223.92	198.29	175.42	157.47	139.97	123.32	103.75	83.95
150.0	272.65	241.72	217.55	196.37	178.57	162.99	147.80	133.22	118.79
180.0	266.97	237.04	214.02	193.69	177.72	162.68	149.02	135.75	122.24
210.0	268.89	239.42	216.55	196.91	179.34	163.83	148.87	134.60	118.94
240.0	252.85	223.08	197.29	177.42	159.46	142.04	125.54	106.67	86.25
270.0	229.98	202.51	178.41	158.54	140.12	122.40	103.14	83.57	68.99
300.0	238.35	211.26	187.62	169.28	152.48	136.90	120.40	101.52	81.42
330.0	244.41	219.32	198.67	182.33	166.60	152.55	138.51	124.31	110.12
360.0	251.93	226.68	203.28	186.40	171.12	156.77	143.96	130.68	118.02

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	105.90	94.08	82.42	71.90	62.00	50.57	38.37	26.86	11.20
30.0	103.44	88.56	72.75	55.56	36.83	19.11	8.06	4.53	2.69
60.0	65.46	51.03	33.92	20.95	12.89	9.67	6.29	5.37	2.61
90.0	58.78	43.51	30.00	20.03	14.35	11.28	7.90	6.60	3.30
120.0	67.22	53.03	37.06	23.56	14.73	10.82	6.91	5.83	2.92
150.0	104.90	90.40	75.89	58.78	40.75	23.33	10.21	5.06	3.07
180.0	110.35	98.15	86.33	75.74	65.92	55.10	43.13	31.00	17.11
210.0	105.05	89.94	74.13	57.71	38.14	19.95	8.67	4.99	3.07
240.0	67.61	53.79	37.22	23.79	14.50	10.82	7.21	6.14	3.22
270.0	55.10	39.14	26.01	17.27	13.66	9.75	8.21	6.22	2.84
300.0	63.54	50.03	33.84	21.49	13.05	10.05	6.98	5.60	2.69
330.0	96.69	82.19	66.68	50.11	31.69	15.58	6.91	3.99	2.46
360.0	105.90	94.08	82.42	71.90	62.00	50.57	38.37	26.86	11.20
C/γ(°)	90.0								
0.0	0.31								
30.0	0.31								
60.0	0.23								
90.0	0.23								
120.0	0.31								
150.0	0.61								
180.0	0.54								
210.0	0.38								
240.0	0.23								
270.0	0.08								
300.0	0.15								
330.0	0.23								
360.0	0.31								