

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2013B-9-36DC (10-OL-9WN-AA, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210312010

电流(A): 0.5380

光源规格型号: OL

功率(W): 19.3000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 9

镇流器型号:

发光面长度(mm): 100

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): 1685.67

灯具效能(lm/w): 87.34

中心光强(cd): 19061.620

最大光强(cd): 19192.070

最大光强角度: C=60.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=10.1

[C90/270]Total=10.1

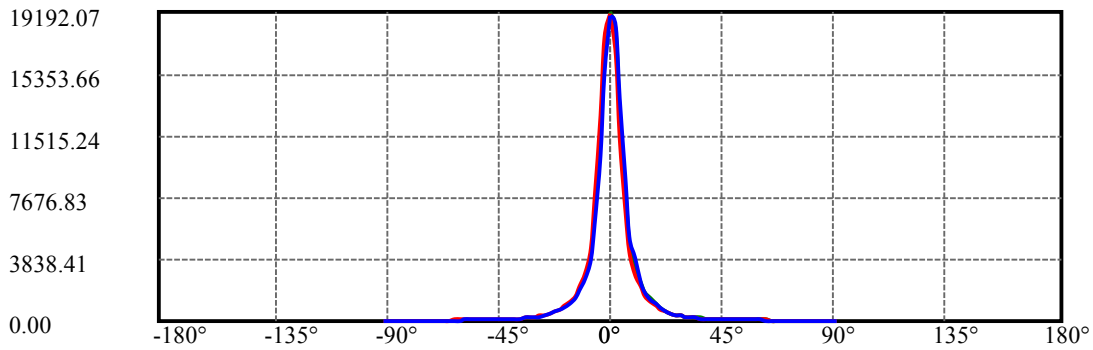
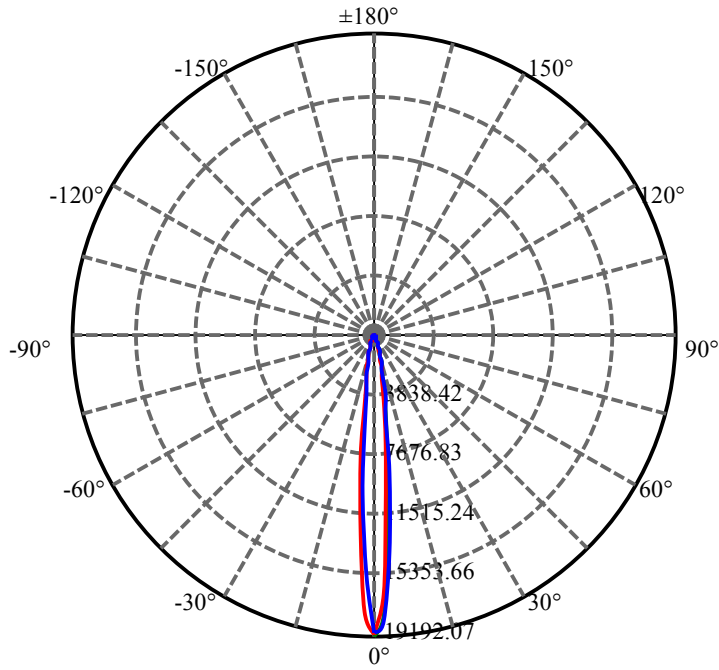
光束扩散角(10%Imax): [C0/180]Total=25.5

[C90/270]Total=25.7

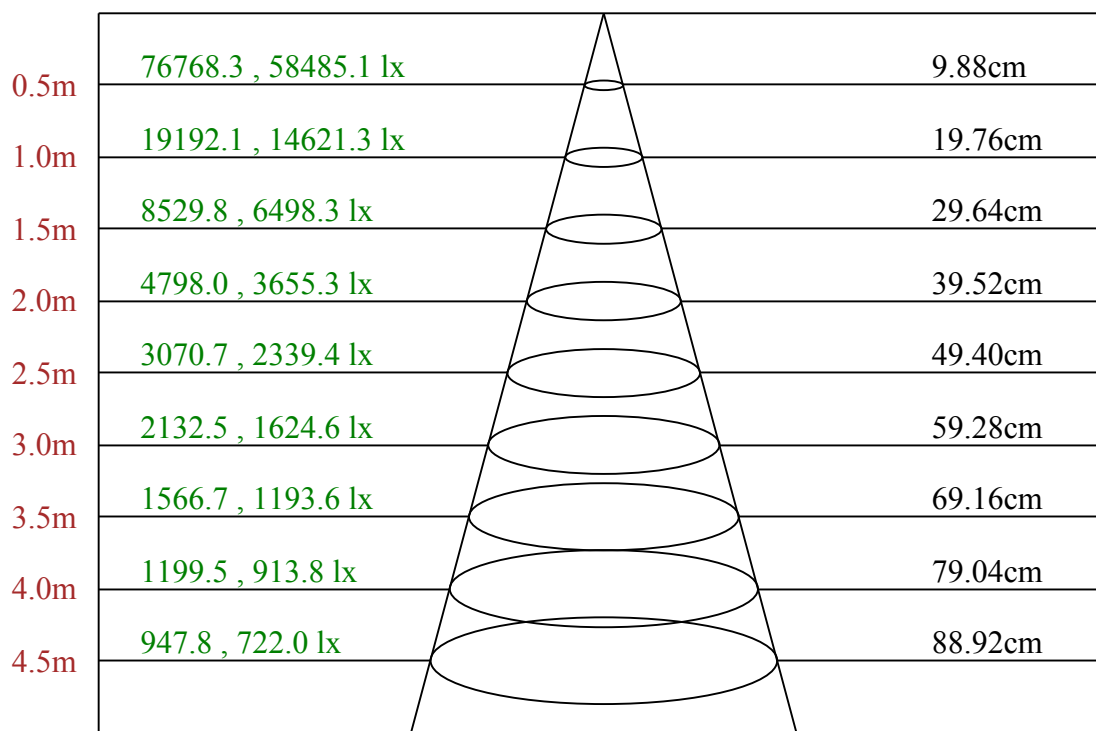
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/12
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

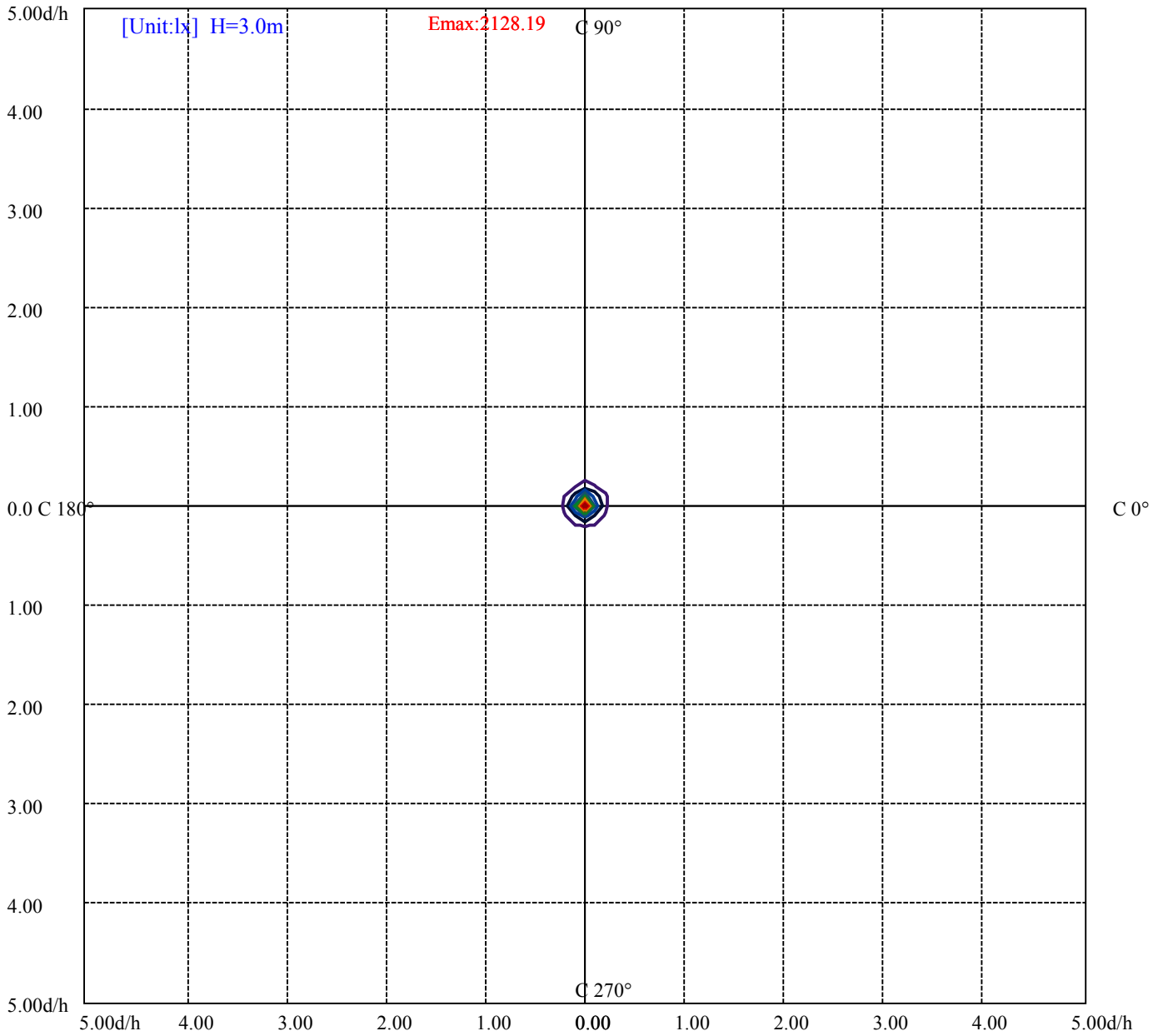


C60(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C60面光束角11.29

ROLED 投光灯
平面等照度曲线



- (10%Emax) 212.8178
- (20%Emax) 425.6367
- (30%Emax) 638.4544
- (40%Emax) 851.2722
- (50%Emax) 1064.09
- (60%Emax) 1276.911
- (70%Emax) 1489.722
- (80%Emax) 1702.544
- (90%Emax) 1915.367

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测试日期: 2021/3/12
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

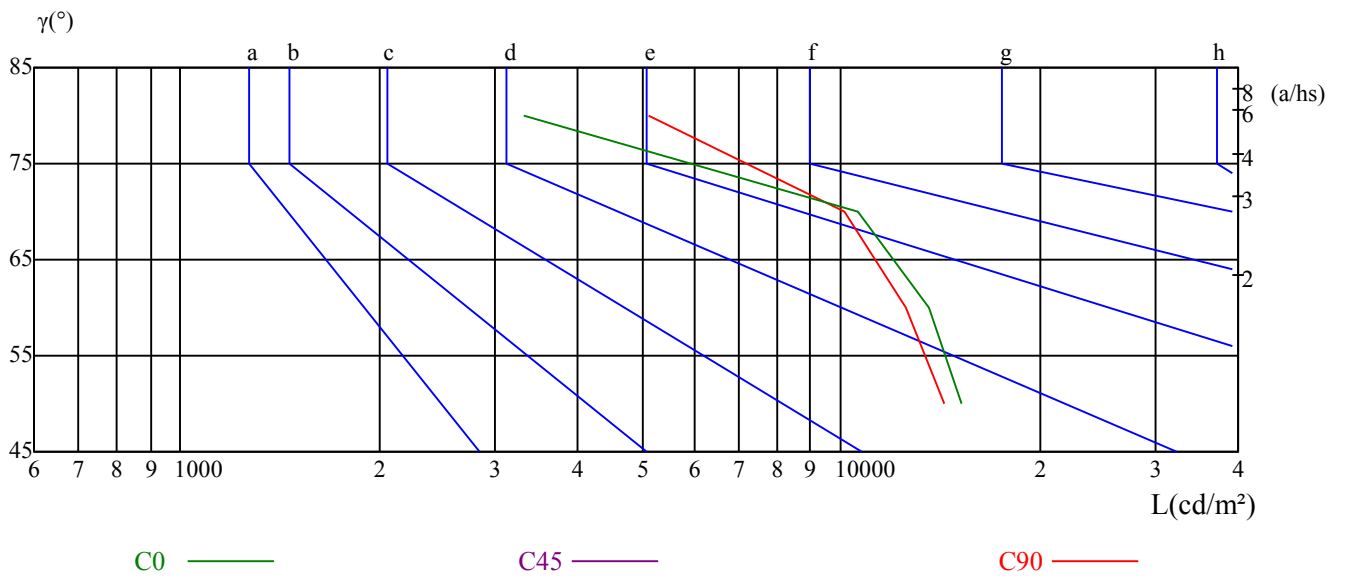
γ	45	50	55	60	65	70	75	80	85
C0	0	15209	0	13567	0	10613	0	3314	0
C45	0	0	0	0	0	0	0	0	0
C90	0	14386	0	12585	0	10164	0	5126	0

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

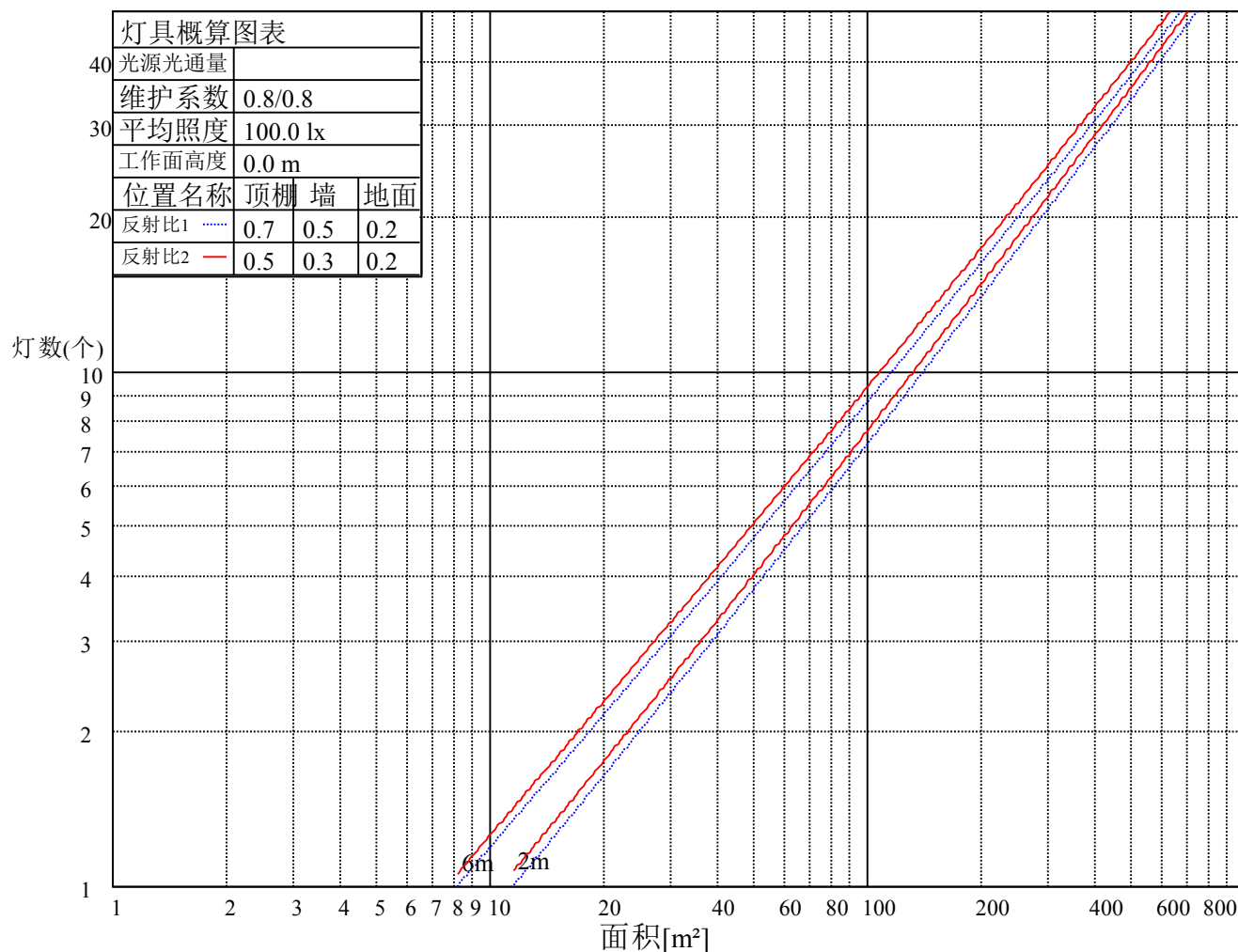
亮度限制曲线



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	15.39	16.45	15.75	16.77	17.08	15.75	16.82	16.11	17.13	17.44
	3H	16.72	17.66	17.10	17.99	18.36	17.15	18.10	17.53	18.43	18.80
	4H	17.10	17.97	17.50	18.33	18.72	17.52	18.40	17.93	18.75	19.14
	6H	17.20	18.00	17.62	18.38	18.77	17.61	18.42	18.03	18.79	19.19
	8H	17.18	17.93	17.61	18.32	18.73	17.59	18.34	18.02	18.74	19.14
	12H	17.14	17.86	17.57	18.25	18.68	17.55	18.27	17.99	18.66	19.09
4H	2H	15.90	16.78	16.31	17.13	17.52	16.19	17.07	16.60	17.42	17.81
	3H	17.42	18.14	17.83	18.54	18.95	17.76	18.48	18.18	18.89	19.29
	4H	17.87	18.51	18.31	18.93	19.38	18.19	18.84	18.63	19.26	19.71
	6H	17.99	18.54	18.46	18.99	19.46	18.30	18.85	18.77	19.30	19.78
	8H	17.97	18.48	18.44	18.93	19.40	18.28	18.79	18.75	19.24	19.71
	12H	17.93	18.37	18.42	18.86	19.34	18.24	18.68	18.73	19.17	19.64
8H	4H	17.97	18.48	18.44	18.93	19.40	18.27	18.78	18.74	19.23	19.70
	6H	18.12	18.53	18.63	19.03	19.51	18.39	18.80	18.90	19.30	19.79
	8H	18.11	18.47	18.64	18.99	19.49	18.38	18.74	18.91	19.26	19.75
	12H	18.76	19.07	19.28	19.57	20.15	19.05	19.36	19.57	19.86	20.44
12H	4H	17.92	18.37	18.41	18.85	19.33	18.22	18.66	18.71	19.15	19.63
	6H	18.41	18.44	18.61	18.91	19.46	18.68	18.71	18.89	19.18	19.73
	8H	18.09	18.40	18.61	18.90	19.47	18.35	18.66	18.87	19.16	19.74
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.3/-0.5					
S = 1.5H	0.9/-0.9					0.9/-0.9					
S = 2.0H	1.9/-1.4					1.8/-1.4					
标准表格	BK3					BK3					
更正系数	2.3					2.5					

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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	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.04	1.02	1.02	1.00	0.99	0.98	0.97	0.96	0.95
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	0.93	0.91	0.89
3	0.99	0.95	0.91	0.98	0.94	0.91	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	0.83	0.87	0.85	0.83	0.81
5	0.90	0.85	0.82	0.89	0.85	0.81	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	0.81	0.78	0.84	0.80	0.77	0.83	0.80	0.77	0.82	0.79	0.76	0.75
7	0.84	0.79	0.75	0.83	0.78	0.75	0.82	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.74	0.73
8	0.81	0.76	0.73	0.80	0.76	0.73	0.79	0.75	0.72	0.78	0.75	0.72	0.77	0.74	0.72	0.71
9	0.78	0.74	0.71	0.78	0.73	0.70	0.77	0.73	0.70	0.76	0.73	0.70	0.76	0.72	0.70	0.69
10	0.76	0.72	0.69	0.76	0.71	0.69	0.75	0.71	0.68	0.74	0.71	0.68	0.74	0.70	0.68	0.67

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	19061.62	16452.54	11272.75	6852.67	4243.59	2912.19	2126.40	1605.35	1239.31
30.0	19115.34	18110.07	13536.51	8487.18	5294.89	3882.92	2500.11	1879.30	1436.53
60.0	19192.07	17849.17	13010.09	8102.72	4906.60	3278.23	2352.77	1791.06	1372.07
90.0	18954.19	18263.55	13789.75	8824.82	5287.22	3890.60	2392.68	1771.10	1357.49
120.0	19092.31	17833.82	12901.13	8100.42	4819.89	3163.12	2239.20	1512.19	1265.63
150.0	18923.49	18255.88	13782.07	8494.85	5018.64	3252.14	2265.29	1698.20	1284.59
180.0	19061.62	17557.56	12784.48	7752.80	4582.00	2943.65	2117.19	1530.07	1192.50
210.0	19115.34	15115.77	10516.12	6409.89	3818.46	2647.45	1931.49	1476.35	1126.81
240.0	19192.07	16337.44	10942.78	6714.54	4120.81	2807.83	2012.06	1537.05	1164.88
270.0	18954.19	15305.31	10218.38	6108.31	3869.88	2633.63	1928.42	1454.71	1125.66
300.0	19092.31	16053.51	10988.82	6630.13	4197.55	2824.71	2059.64	1551.63	1193.27
330.0	18923.49	15165.65	10432.48	6307.83	3926.66	2744.90	2022.04	1509.97	1171.78
360.0	19061.62	16452.54	11272.75	6852.67	4243.59	2912.19	2126.40	1605.35	1239.31
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	957.69	755.10	582.44	471.94	390.59	318.15	267.81	229.22	199.90
30.0	1121.14	868.67	678.36	534.86	432.80	353.38	294.06	247.86	212.33
60.0	1057.83	819.63	647.28	512.45	411.01	338.11	280.86	237.58	204.20
90.0	1027.52	806.51	631.55	505.70	408.24	335.11	281.63	238.19	204.28
120.0	988.00	767.76	601.24	484.67	391.82	324.98	269.50	231.36	199.67
150.0	985.31	775.05	600.86	484.21	392.90	327.98	274.34	235.74	204.12
180.0	931.98	727.09	573.92	461.50	380.39	315.31	268.50	230.14	200.75
210.0	872.12	686.88	542.77	436.64	354.37	297.90	252.39	218.01	189.70
240.0	911.64	709.06	554.05	447.38	389.06	299.05	251.93	217.55	188.54
270.0	870.74	674.75	538.16	431.11	352.99	291.83	245.94	209.42	183.10
300.0	920.85	716.73	566.32	451.98	389.83	302.19	256.69	219.39	191.00
330.0	915.94	708.36	563.79	451.22	365.27	302.12	256.99	219.55	191.61
360.0	957.69	755.10	582.44	471.94	390.59	318.15	267.81	229.22	199.90
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	177.19	159.54	144.96	133.52	122.86	113.49	105.74	97.76	91.32
30.0	186.24	164.53	149.41	136.06	125.16	115.41	107.51	100.83	94.46
60.0	179.87	160.07	145.11	132.14	121.17	111.81	104.67	97.99	92.01
90.0	177.65	157.70	141.20	128.23	116.95	107.36	99.68	92.47	86.10
120.0	176.42	157.47	142.42	130.68	120.02	110.89	103.44	97.15	91.16
150.0	179.34	160.00	145.03	133.06	122.40	113.57	105.90	99.14	92.85
180.0	177.88	160.61	146.19	134.06	123.78	113.96	106.28	97.99	91.39
210.0	168.98	152.94	139.51	127.92	117.64	109.81	102.75	96.46	90.63
240.0	168.52	151.17	137.21	125.93	116.26	107.82	101.06	95.23	89.25
270.0	161.69	143.88	130.76	119.33	109.04	100.83	94.08	87.25	81.42
300.0	168.82	151.25	136.75	125.77	115.64	107.13	100.68	94.31	88.48
330.0	170.97	153.40	139.51	128.08	118.33	110.27	103.29	96.84	90.86
360.0	177.19	159.54	144.96	133.52	122.86	113.49	105.74	97.76	91.32
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	85.56	80.19	73.98	67.84	61.93	55.48	48.73	42.28	36.30
30.0	88.71	82.95	77.50	71.06	65.00	58.32	52.10	46.12	39.60
60.0	86.71	81.03	75.20	68.76	62.85	55.86	49.65	43.89	37.75
90.0	80.04	74.51	68.68	62.92	57.02	51.34	45.58	39.90	34.76
120.0	85.72	80.42	74.67	68.30	62.39	55.94	50.03	43.97	38.14
150.0	87.63	82.03	76.20	70.29	64.23	57.94	51.80	45.89	39.29
180.0	85.33	79.73	74.05	67.53	62.16	56.02	49.65	43.05	37.22
210.0	85.03	79.12	72.90	67.15	60.55	54.41	48.50	42.13	35.84
240.0	83.80	78.20	72.13	66.15	59.70	53.33	47.50	41.21	35.15
270.0	75.59	69.75	64.00	58.24	52.49	46.73	41.44	35.68	31.08
300.0	83.26	77.58	71.37	65.53	59.39	52.95	47.19	41.36	34.84
330.0	85.33	79.12	72.75	66.68	60.16	53.72	47.73	41.52	35.07
360.0	85.56	80.19	73.98	67.84	61.93	55.48	48.73	42.28	36.30

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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	30.46	24.86	17.27	11.74	5.76	1.46	1.15	0.69	0.38
30.0	33.38	27.17	21.18	14.20	8.13	4.83	1.23	0.92	0.38
60.0	31.77	25.78	20.34	13.35	7.83	4.30	1.15	0.84	0.46
90.0	30.16	25.94	19.80	13.51	8.90	3.15	1.23	0.92	0.46
120.0	31.77	26.01	20.41	13.97	8.06	5.14	1.23	0.84	0.46
150.0	32.08	23.79	16.50	9.44	4.91	4.22	1.00	0.69	0.46
180.0	31.62	25.78	18.88	12.74	8.29	2.15	1.23	0.92	0.46
210.0	29.54	23.25	17.27	10.51	6.14	2.07	1.00	0.61	0.38
240.0	29.08	23.33	17.42	10.74	6.45	2.07	1.00	0.61	0.31
270.0	26.86	20.87	14.50	9.59	4.45	1.30	1.00	0.61	0.31
300.0	28.85	22.71	17.04	10.28	6.29	1.76	0.92	0.54	0.31
330.0	28.93	22.56	16.73	9.98	5.83	1.69	1.00	0.54	0.31
360.0	30.46	24.86	17.27	11.74	5.76	1.46	1.15	0.69	0.38

C/γ(°)	90.0
0.0	0.08
30.0	0.15
60.0	0.15
90.0	0.23
120.0	0.15
150.0	0.23
180.0	0.23
210.0	0.00
240.0	0.08
270.0	0.15
300.0	0.08
330.0	0.00
360.0	0.08