

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1212A1-12-36DC-RC-Y (25-CL-12RGBWN-AJ, CT)

报告编号:

电压(V): 36.3000

测试编号: 20210419002

电流(A): 0.6050

光源规格型号: CL

功率(W): 22.0000

每个光源光通量(lm)

功率因数: 1.0360

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): 979.45

灯具效能(lm/w): 44.52

中心光强(cd): 2625.193

最大光强(cd): 2678.142

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=26.4

[C90/270]Total=27.0

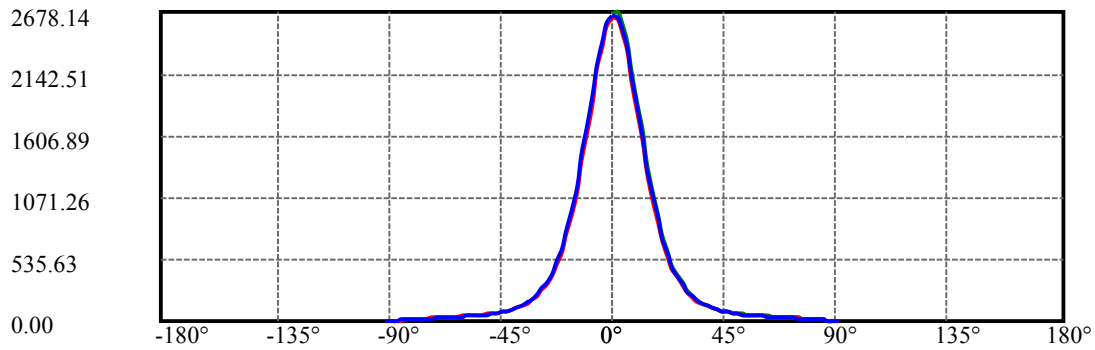
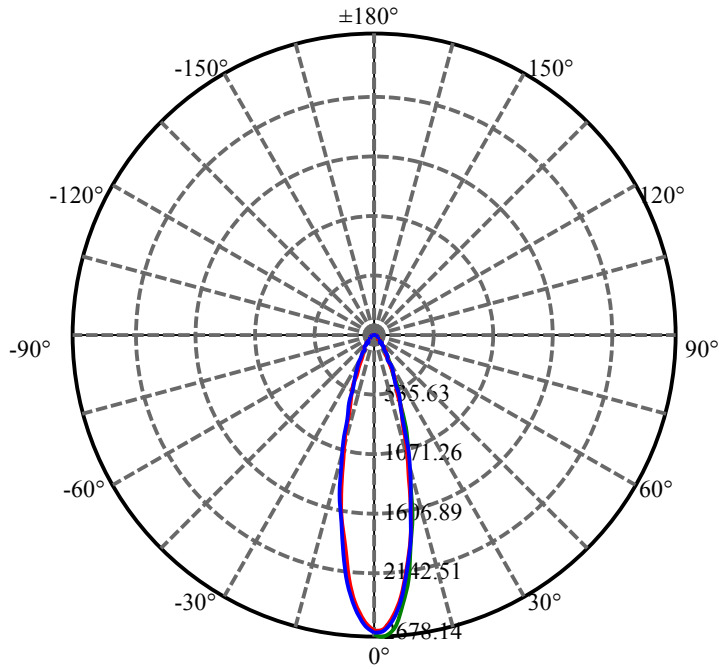
光束扩散角(10%Imax): [C0/180]Total=57.6

[C90/270]Total=58.2

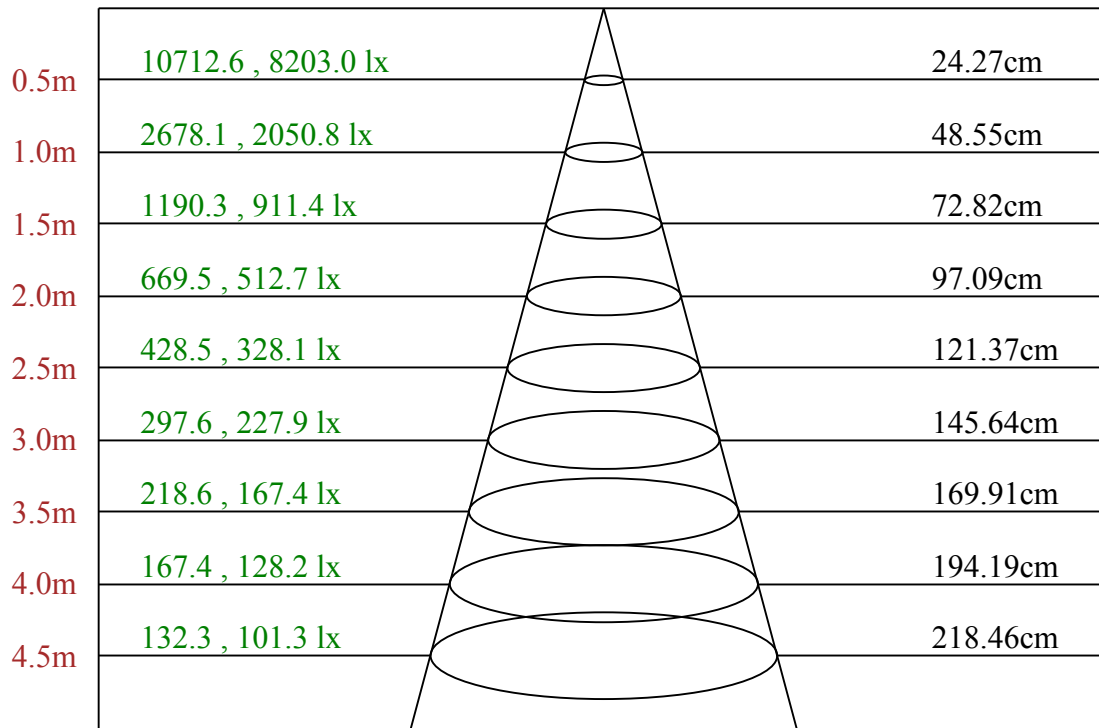
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/19
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

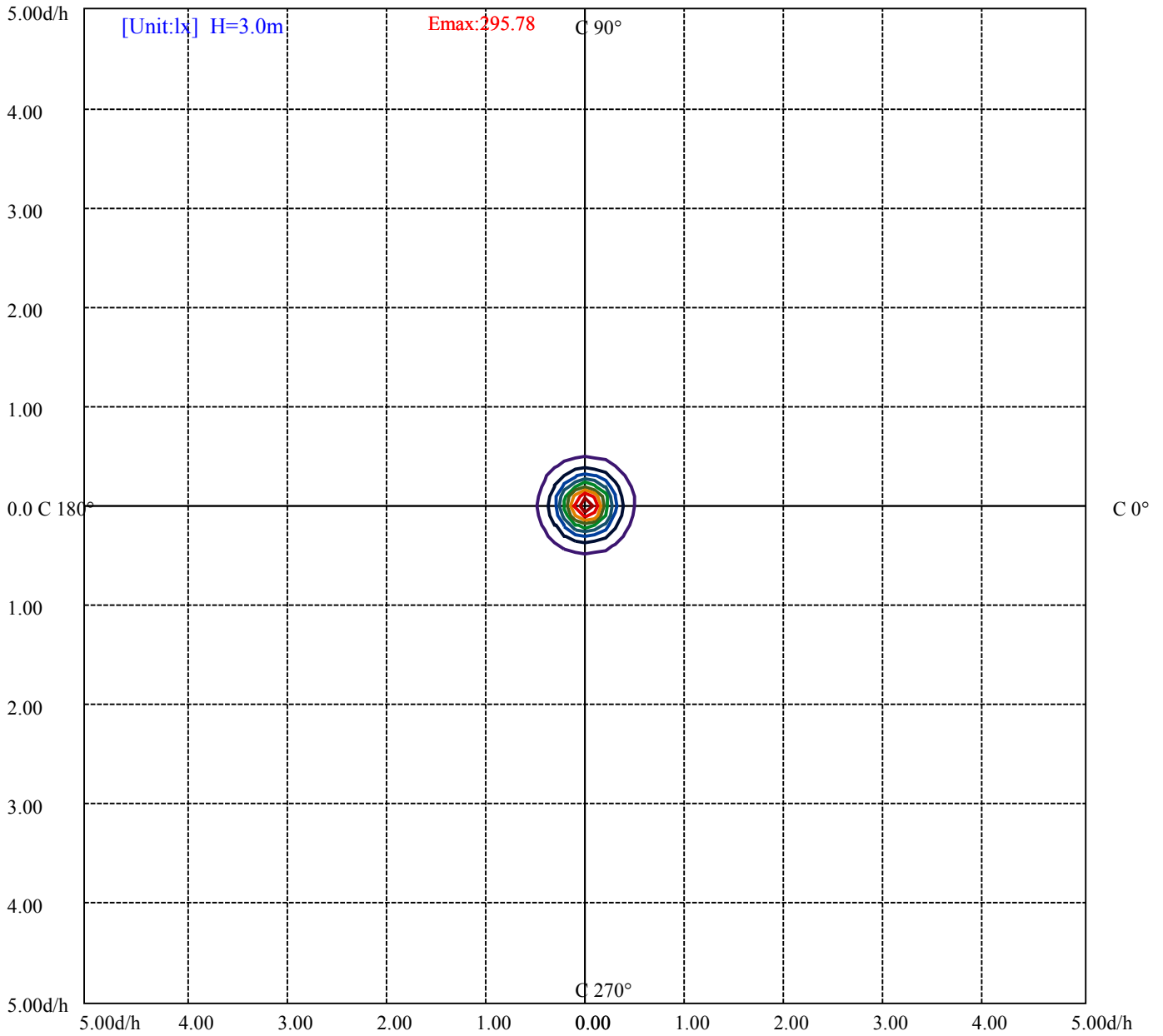


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角27.28

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平面等照度曲线



(10%Emax) 29.57811	——
(20%Emax) 59.15611	——
(30%Emax) 88.73422	——
(40%Emax) 118.3122	——
(50%Emax) 147.89	——
(60%Emax) 177.4689	——
(70%Emax) 207.0467	——
(80%Emax) 236.6245	——
(90%Emax) 266.2022	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

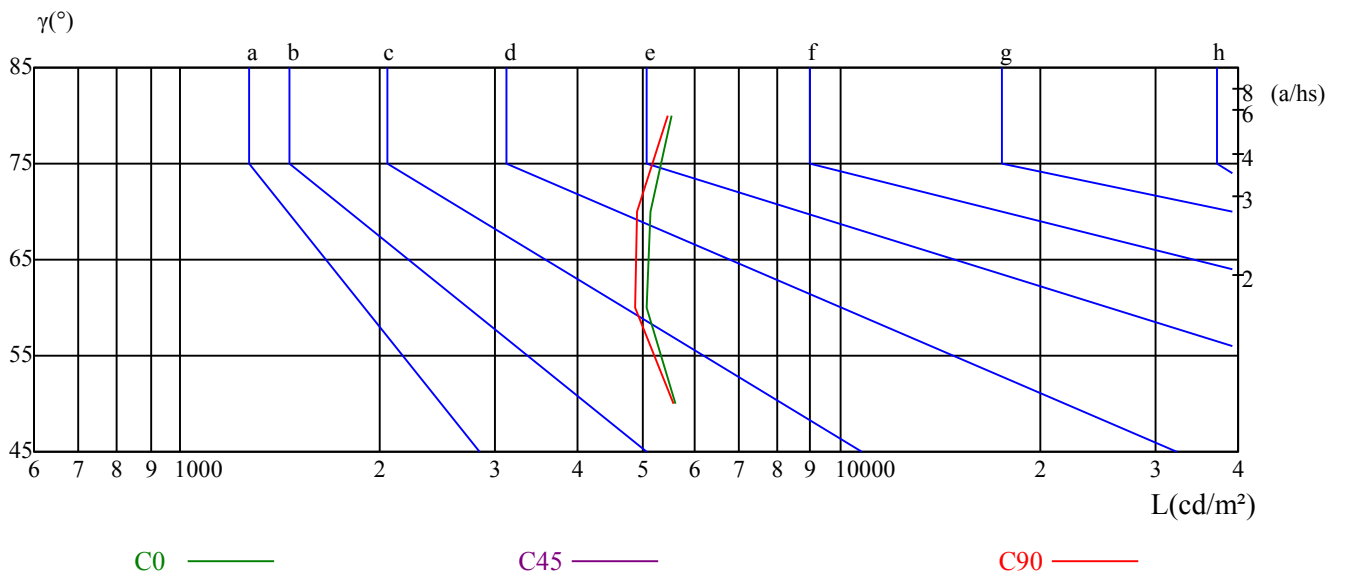
γ	45	50	55	60	65	70	75	80	85
C0	0	5635	0	5089	0	5164	0	5536	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5600	0	4892	0	4903	0	5459	0

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

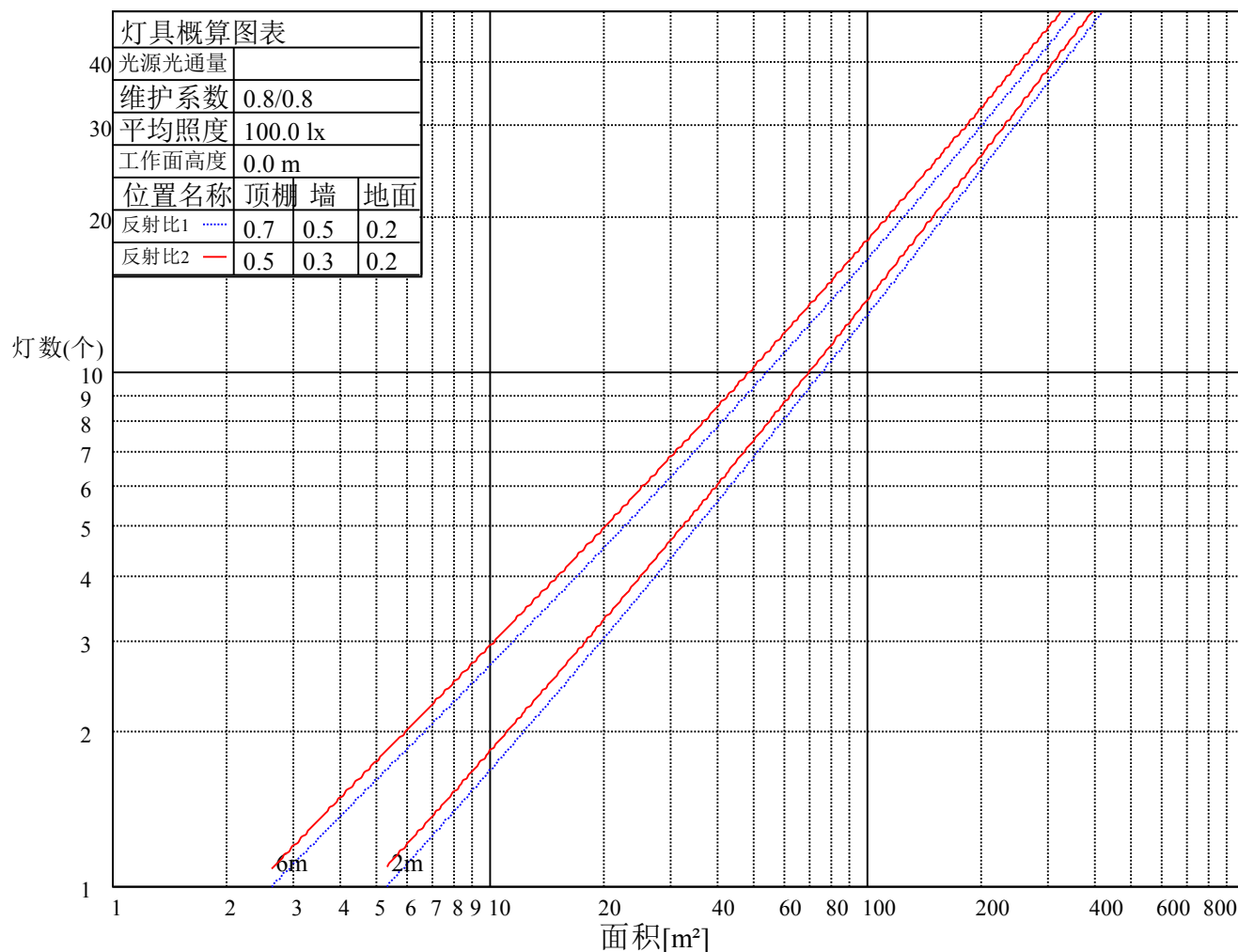
亮度限制曲线



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	14.07	15.21	14.43	15.52	15.84	14.26	15.40	14.62	15.72	16.03
	3H	16.02	17.04	16.40	17.37	17.74	16.25	17.27	16.63	17.60	17.97
	4H	16.87	17.82	17.27	18.17	18.55	17.09	18.04	17.50	18.39	18.78
	6H	17.61	18.48	18.02	18.85	19.25	17.78	18.65	18.20	19.03	19.42
	8H	17.88	18.70	18.31	19.10	19.50	18.03	18.85	18.46	19.24	19.65
	12H	18.21	19.00	18.65	19.38	19.82	18.33	19.12	18.77	19.50	19.93
4H	2H	14.71	15.66	15.12	16.01	16.40	14.86	15.81	15.26	16.16	16.55
	3H	16.90	17.69	17.32	18.09	18.50	17.10	17.89	17.52	18.29	18.70
	4H	17.89	18.59	18.32	19.01	19.46	18.09	18.79	18.52	19.21	19.66
	6H	18.61	19.22	19.08	19.66	20.13	18.78	19.38	19.24	19.83	20.30
	8H	18.95	19.52	19.43	19.97	20.44	19.09	19.66	19.56	20.10	20.58
	12H	19.30	19.79	19.79	20.28	20.75	19.41	19.90	19.90	20.39	20.86
8H	4H	18.25	18.82	18.73	19.27	19.74	18.42	18.99	18.90	19.44	19.91
	6H	19.16	19.62	19.67	20.12	20.60	19.31	19.76	19.81	20.26	20.75
	8H	19.60	20.01	20.13	20.53	21.02	19.73	20.13	20.25	20.65	21.14
	12H	20.35	20.70	20.87	21.20	21.77	20.46	20.82	20.98	21.31	21.89
12H	4H	18.29	18.79	18.78	19.27	19.75	18.46	18.95	18.94	19.44	19.91
	6H	19.70	19.66	19.79	20.13	20.68	19.84	19.80	19.92	20.27	20.81
	8H	19.76	20.11	20.27	20.61	21.18	19.88	20.23	20.39	20.72	21.30
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.6					0.4/-0.7					
S = 1.5H	0.8/-0.8					0.8/-0.8					
S = 2.0H	1.3/-0.8					1.2/-0.8					
标准表格	BKBF					BKBF					
更正系数	4.2					4.4					

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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	1.10	1.07	1.04	1.08	1.05	1.03	1.03	1.01	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.93	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.95	0.90	0.85	0.93	0.89	0.85	0.91	0.87	0.83	0.88	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.79	0.88	0.82	0.78	0.86	0.81	0.78	0.84	0.80	0.77	0.82	0.78	0.76	0.74
5	0.84	0.78	0.74	0.83	0.77	0.73	0.81	0.76	0.73	0.79	0.75	0.72	0.78	0.74	0.71	0.70
6	0.79	0.73	0.69	0.79	0.73	0.69	0.77	0.72	0.69	0.76	0.71	0.68	0.74	0.71	0.68	0.66
7	0.75	0.70	0.65	0.75	0.69	0.65	0.74	0.69	0.65	0.72	0.68	0.65	0.71	0.67	0.64	0.63
8	0.72	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	0.61	0.60
9	0.69	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.57
10	0.66	0.60	0.57	0.66	0.60	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.63	0.59	0.56	0.55

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	2625.19	2615.22	2504.72	2327.45	2079.59	1818.68	1543.19	1295.33	1052.07
30.0	2664.33	2678.14	2590.66	2404.19	2179.35	1904.63	1639.88	1374.37	1128.04
60.0	2659.73	2647.45	2539.25	2355.08	2125.63	1850.91	1518.64	1336.00	1094.82
90.0	2646.68	2633.63	2536.95	2358.91	2127.17	1858.58	1581.56	1331.40	1089.67
120.0	2641.31	2597.57	2472.49	2282.94	2032.78	1768.03	1502.68	1253.66	1017.85
150.0	2635.17	2582.99	2459.44	2247.64	2011.29	1733.50	1469.53	1212.45	983.78
180.0	2625.19	2546.15	2385.00	2175.51	1898.49	1635.28	1377.44	1138.94	920.54
210.0	2664.33	2564.57	2382.70	2144.05	1883.14	1519.48	1347.21	1101.95	900.67
240.0	2659.73	2579.92	2415.70	2205.44	1949.14	1670.58	1415.81	1171.02	949.24
270.0	2646.68	2573.78	2421.84	2213.11	1972.16	1696.67	1439.29	1185.75	972.65
300.0	2641.31	2605.24	2488.60	2314.41	2077.29	1797.19	1520.94	1274.61	1034.42
330.0	2635.17	2606.78	2488.60	2299.06	2064.24	1785.68	1520.17	1254.58	1029.36
360.0	2625.19	2615.22	2504.72	2327.45	2079.59	1818.68	1543.19	1295.33	1052.07
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	851.02	692.17	554.81	447.38	389.06	298.20	245.48	205.50	171.59
30.0	923.15	745.12	600.86	487.28	399.80	324.98	268.74	222.46	185.86
60.0	889.01	715.42	582.90	473.16	388.22	315.31	258.76	214.25	179.11
90.0	890.92	716.73	575.53	464.26	388.29	310.63	255.23	213.64	178.72
120.0	821.09	658.02	534.25	432.72	351.77	291.07	241.19	201.13	169.90
150.0	799.61	642.29	515.68	421.29	344.48	282.39	233.82	197.22	166.60
180.0	742.36	603.46	485.83	394.28	321.30	266.20	221.08	186.63	157.77
210.0	729.08	595.18	481.68	392.51	322.37	263.82	219.55	183.48	156.93
240.0	768.14	627.71	505.70	415.15	338.57	274.80	226.99	190.92	160.07
270.0	786.48	638.69	512.07	414.61	334.81	275.64	227.45	188.31	159.31
300.0	834.14	676.83	540.23	439.71	354.14	290.07	238.96	200.75	168.59
330.0	830.76	671.99	537.09	433.87	354.22	288.23	237.89	197.14	167.29
360.0	851.02	692.17	554.81	447.38	389.06	298.20	245.48	205.50	171.59
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	145.72	125.01	108.43	95.00	84.03	75.36	67.99	62.16	57.09
30.0	157.39	135.52	116.87	101.75	90.01	79.88	71.67	65.30	59.70
60.0	153.17	130.91	113.49	98.76	86.71	76.97	69.29	62.77	57.40
90.0	152.17	129.76	111.50	96.84	85.49	75.82	67.84	61.77	56.33
120.0	146.80	126.92	110.96	97.15	85.72	76.28	69.14	62.69	57.48
150.0	143.35	123.32	107.05	93.77	83.11	74.74	67.61	62.00	57.17
180.0	134.98	116.33	101.91	89.63	79.58	71.83	65.23	59.70	55.02
210.0	134.83	116.10	101.83	89.71	79.42	71.37	65.00	59.32	54.94
240.0	136.59	118.25	101.29	89.55	79.12	70.91	64.15	58.78	53.95
270.0	135.52	116.72	99.99	88.25	77.74	69.83	63.16	57.40	52.87
300.0	144.42	125.70	109.35	96.15	85.10	76.28	68.76	62.31	57.32
330.0	142.96	124.01	107.51	94.23	82.95	74.36	67.76	61.93	57.55
360.0	145.72	125.01	108.43	95.00	84.03	75.36	67.99	62.16	57.09
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	53.18	49.65	46.35	43.66	40.90	38.29	35.61	33.07	30.31
30.0	55.10	51.11	47.81	44.81	42.13	39.44	36.76	34.15	31.77
60.0	53.03	49.04	45.89	42.67	39.98	37.22	34.61	32.08	29.47
90.0	52.10	48.11	45.04	41.98	39.14	36.68	33.99	31.54	28.78
120.0	53.33	49.65	46.50	43.28	40.52	37.83	35.07	32.46	29.77
150.0	53.03	49.57	46.58	43.59	40.90	38.14	35.38	32.69	29.85
180.0	51.26	47.81	44.66	42.05	39.21	36.53	33.76	31.23	28.47
210.0	51.03	47.50	44.58	41.82	39.06	36.53	33.99	31.23	28.39
240.0	49.96	46.43	43.43	40.75	38.06	35.45	32.92	30.31	27.78
270.0	49.19	45.81	42.74	40.29	37.45	35.07	32.46	29.85	27.40
300.0	52.95	49.34	46.12	43.43	40.52	37.91	35.15	32.54	29.70
330.0	53.49	49.96	46.89	44.20	41.44	38.60	36.07	33.15	30.54
360.0	53.18	49.65	46.35	43.66	40.90	38.29	35.61	33.07	30.31

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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	27.78	25.02	22.18	19.41	16.50	13.35	10.05	6.60	3.45
30.0	28.85	26.09	23.33	20.49	17.50	14.43	11.20	7.90	4.30
60.0	27.01	24.25	21.64	18.80	15.96	12.66	9.44	6.22	2.99
90.0	26.40	23.79	21.41	18.80	16.27	13.20	9.59	5.91	2.61
120.0	26.93	24.02	21.18	17.96	14.96	11.59	8.29	4.91	1.76
150.0	26.93	24.10	21.18	18.03	14.73	11.43	7.98	4.60	1.69
180.0	25.71	22.94	20.03	16.96	13.89	10.67	7.37	4.07	1.07
210.0	25.71	22.79	19.80	16.73	13.74	10.51	7.29	3.84	0.61
240.0	25.25	22.48	19.64	16.88	13.66	10.44	7.37	4.14	1.38
270.0	24.94	22.41	19.95	17.57	15.04	12.05	8.44	4.83	1.61
300.0	27.24	24.40	21.49	18.65	15.50	12.35	9.13	5.99	2.84
330.0	27.86	24.86	21.95	19.11	15.81	12.74	9.52	6.22	3.07
360.0	27.78	25.02	22.18	19.41	16.50	13.35	10.05	6.60	3.45
C/γ(°)	90.0								
0.0	0.46								
30.0	0.92								
60.0	0.23								
90.0	0.08								
120.0	0.00								
150.0	0.00								
180.0	0.08								
210.0	0.00								
240.0	0.00								
270.0	0.00								
300.0	0.23								
330.0	0.46								
360.0	0.46								