

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2032A-108-UN(45-OL-108WN-AA, CT)

报告编号:

电压(V): 219.0000

测试编号: 20210423005

电流(A): 0.5430

光源规格型号: OL

功率(W): 117.4000

每个光源光通量(lm)

功率因数: 0.9870

光源数量: 108

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 240

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 10534.73

灯具效能(lm/w): 89.73

中心光强(cd): 13465.150

最大光强(cd): 13905.620

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=43.4

[C90/270]Total=42.9

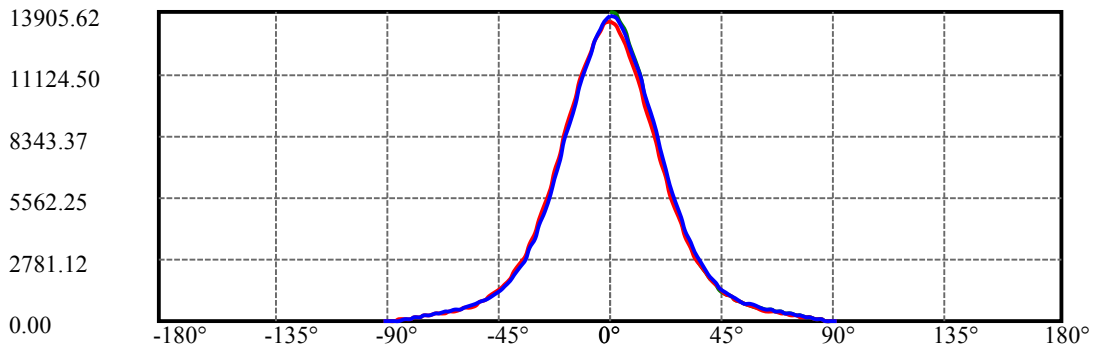
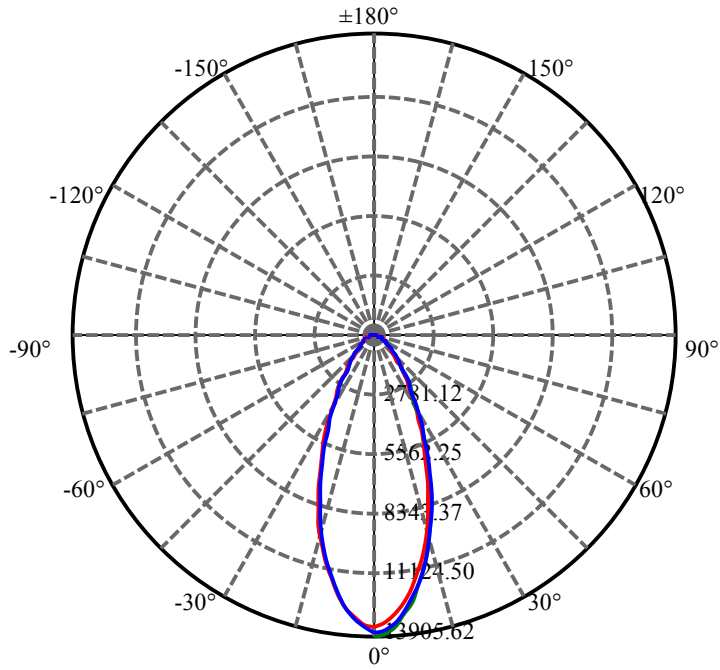
光束扩散角(10%Imax): [C0/180]Total=90.0

[C90/270]Total=89.3

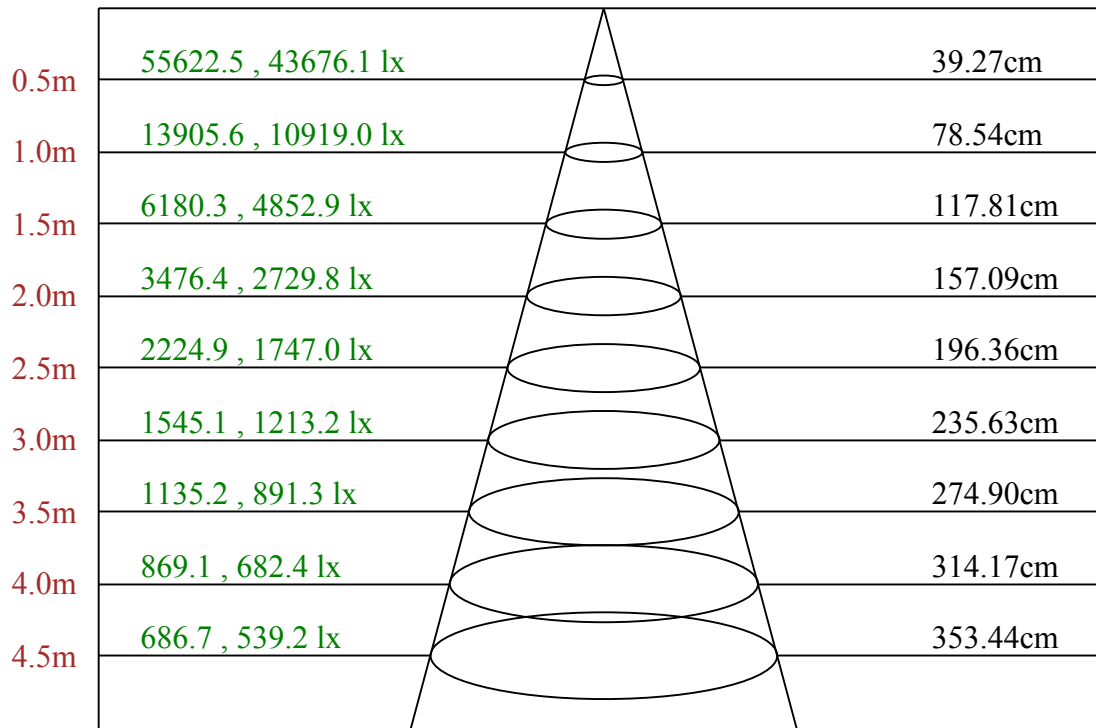
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/23
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

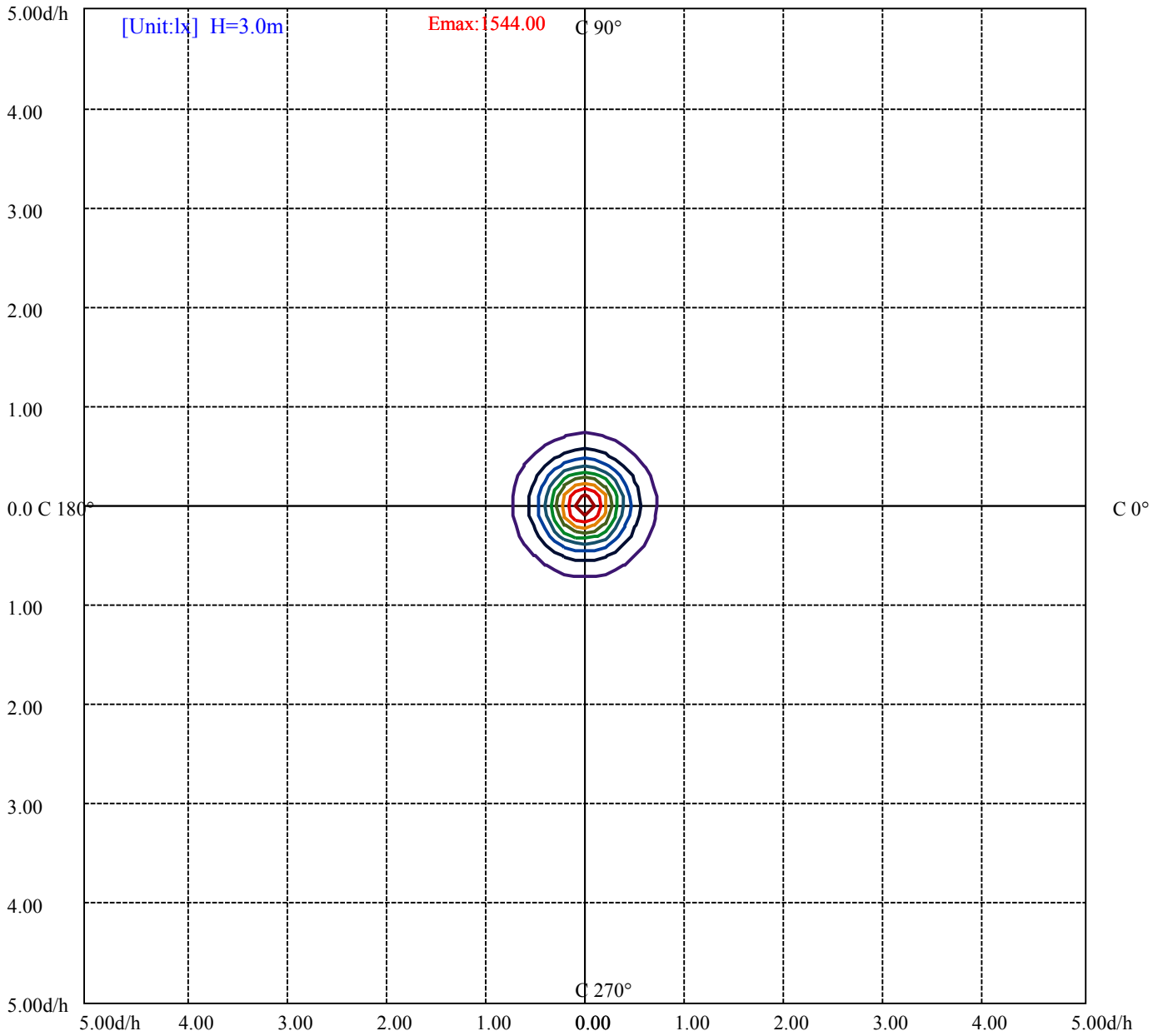











C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.88

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平面等照度曲线



(10%Emax) 154.4	
(20%Emax) 308.8	
(30%Emax) 463.2011	
(40%Emax) 617.6011	
(50%Emax) 772.0011	
(60%Emax) 926.4011	
(70%Emax) 1080.801	
(80%Emax) 1235.2	
(90%Emax) 1389.6	

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环境温度(°C): 25.0

测试日期: 2021/4/23
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

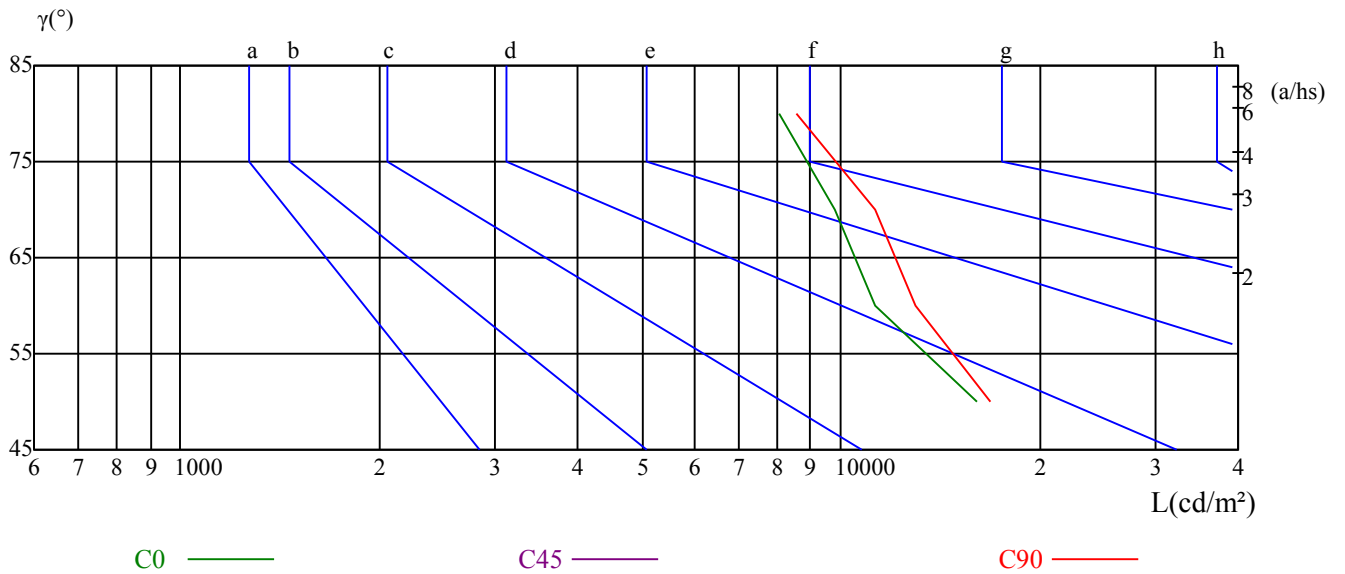
γ	45	50	55	60	65	70	75	80	85
C0	0	16083	0	11314	0	9770	0	8083	0
C45	0	0	0	0	0	0	0	0	0
C90	0	16887	0	12954	0	11269	0	8550	0

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

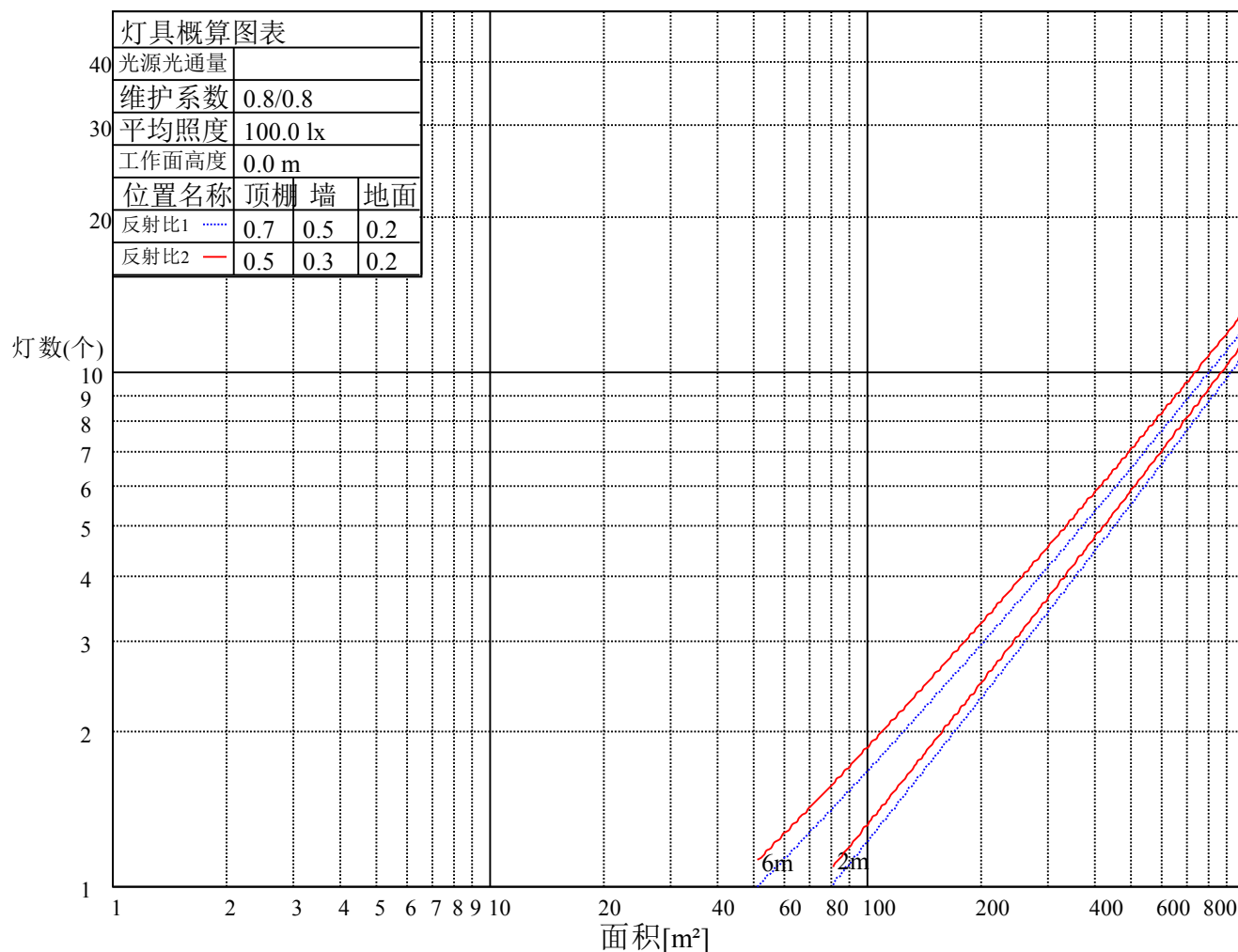
亮度限制曲线



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	10.13	11.35	10.50	11.66	11.98	9.89	11.10	10.26	11.42	11.73
	3H	11.66	12.73	12.04	13.07	13.43	11.38	12.46	11.76	12.79	13.16
	4H	12.19	13.20	12.60	13.55	13.93	11.95	12.95	12.35	13.30	13.69
	6H	12.51	13.43	12.92	13.80	14.20	12.34	13.26	12.75	13.63	14.02
	8H	12.56	13.43	12.99	13.82	14.23	12.43	13.30	12.87	13.70	14.10
	12H	12.58	13.41	13.01	13.79	14.22	12.52	13.35	12.95	13.73	14.16
4H	2H	10.63	11.64	11.04	11.99	12.37	10.44	11.44	10.84	11.79	12.18
	3H	12.39	13.22	12.81	13.62	14.03	12.22	13.04	12.63	13.45	13.85
	4H	13.05	13.79	13.49	14.21	14.65	12.92	13.66	13.35	14.08	14.52
	6H	13.39	14.03	13.86	14.48	14.94	13.33	13.96	13.79	14.41	14.88
	8H	13.47	14.06	13.94	14.51	14.98	13.46	14.05	13.93	14.50	14.97
	12H	13.48	14.00	13.97	14.49	14.96	13.54	14.06	14.03	14.55	15.02
8H	4H	13.29	13.88	13.76	14.33	14.80	13.18	13.77	13.65	14.22	14.69
	6H	13.73	14.21	14.24	14.71	15.19	13.72	14.20	14.22	14.69	15.18
	8H	13.85	14.27	14.37	14.79	15.28	13.90	14.33	14.43	14.85	15.34
	12H	14.41	14.78	14.93	15.28	15.86	14.50	14.87	15.02	15.37	15.94
12H	4H	13.29	13.81	13.78	14.30	14.77	13.17	13.69	13.66	14.17	14.65
	6H	14.25	14.19	14.29	14.66	15.20	14.23	14.17	14.27	14.63	15.18
	8H	13.90	14.28	14.42	14.77	15.35	13.96	14.33	14.48	14.83	15.41
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.8					0.6/-0.9					
S = 1.5H	1.2/-1.1					1.2/-1.2					
S = 2.0H	2.7/-1.2					2.6/-1.4					
标准表格	BK3					BK3					
更正系数	4.5					4.2					

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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	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.93	0.90	0.94	0.91	0.88	0.91	0.88	0.86	0.89	0.86	0.84	0.82
3	0.92	0.86	0.81	0.90	0.85	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.79	0.77	0.75
4	0.85	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.71	0.77	0.73	0.70	0.69
5	0.79	0.72	0.67	0.78	0.71	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.65	0.63
6	0.73	0.67	0.62	0.72	0.66	0.62	0.71	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.59
7	0.69	0.62	0.57	0.68	0.62	0.57	0.67	0.61	0.57	0.65	0.60	0.56	0.64	0.60	0.56	0.55
8	0.64	0.58	0.53	0.64	0.58	0.53	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
9	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.57	0.53	0.49	0.48
10	0.57	0.51	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.55	0.50	0.47	0.45

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光强数据表(cd)

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	13465.15	13299.39	12925.68	12455.28	11880.52	11202.92	10483.12	9708.07	8883.91
30.0	13905.62	13798.96	13483.56	13008.56	12415.38	11705.55	10961.97	10126.29	9246.11
60.0	13886.44	13779.77	13435.22	12997.05	12401.56	11744.69	10978.08	10119.39	9269.13
90.0	13706.10	13656.99	13352.34	12884.24	12317.15	11691.74	10960.43	10170.03	9378.87
120.0	13709.17	13624.76	13303.23	12865.06	12330.20	11670.25	10974.24	10159.29	9309.81
150.0	13488.17	13449.80	13181.98	12776.81	12291.83	11667.95	10959.66	10221.45	9387.31
180.0	13465.15	13376.13	13058.44	12611.82	12093.08	11458.46	10791.61	10017.33	9201.61
210.0	13905.62	13755.21	13423.71	12951.77	12387.75	11671.79	10895.20	10050.32	9197.00
240.0	13886.44	13747.54	13426.01	12952.54	12377.77	11720.13	10935.11	10110.95	9211.58
270.0	13706.10	13499.68	13119.06	12617.96	12014.04	11337.21	10579.05	9767.93	8906.93
300.0	13709.17	13515.79	13166.64	12677.82	12121.47	11419.32	10637.37	9827.02	9006.69
330.0	13488.17	13268.70	12878.87	12416.91	11819.13	11110.07	10383.36	9564.57	8703.58
360.0	13465.15	13299.39	12925.68	12455.28	11880.52	11202.92	10483.12	9708.07	8883.91
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	8049.77	7280.10	6469.75	5701.60	5043.96	4392.46	3819.23	3318.13	2885.33
30.0	8414.28	7543.31	6691.52	5897.28	5194.37	4519.08	3946.61	3404.85	2932.14
60.0	8382.82	7492.66	6641.64	5891.91	5147.56	4510.64	3886.76	3381.06	2913.73
90.0	8536.29	7730.55	6845.76	6089.90	5344.01	4691.74	4091.65	3546.81	3072.57
120.0	8459.55	7634.62	6792.04	6003.18	5294.13	4615.77	4038.70	3467.00	3014.25
150.0	8538.59	7683.74	6884.13	6088.36	5347.08	4698.64	4083.98	3560.62	3050.32
180.0	8377.44	7525.66	6735.26	5951.77	5239.64	4555.14	3952.75	3413.29	2965.91
210.0	8314.52	7424.36	6594.83	5801.36	5098.45	4385.55	3821.53	3292.04	2845.43
240.0	8346.75	7471.17	6647.78	5829.76	5070.82	4391.69	3797.74	3306.62	2837.76
270.0	8096.58	7240.19	6394.54	5660.17	4943.44	4297.31	3740.19	3242.16	2782.51
300.0	8130.35	7287.00	6491.23	5704.67	5000.22	4343.35	3788.54	3285.14	2850.80
330.0	7837.98	7033.77	6216.51	5513.60	4826.03	4193.71	3672.66	3184.61	2754.88
360.0	8049.77	7280.10	6469.75	5701.60	5043.96	4392.46	3819.23	3318.13	2885.33
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	2495.51	2180.12	1883.14	1633.74	1426.55	1250.82	1096.58	967.66	861.76
30.0	2523.13	2186.25	1878.54	1621.47	1415.04	1231.64	1088.14	961.52	856.39
60.0	2531.57	2178.58	1875.47	1632.98	1425.71	1244.53	1095.43	977.41	873.27
90.0	2648.21	2285.25	1971.39	1718.92	1493.31	1303.00	1151.06	1016.01	904.74
120.0	2600.64	2257.62	1946.07	1685.16	1483.11	1294.95	1139.02	1008.87	892.77
150.0	2652.82	2287.55	1985.97	1717.39	1491.01	1309.14	1149.53	1015.24	900.90
180.0	2559.20	2205.44	1916.14	1656.76	1454.64	1254.58	1102.57	967.81	856.62
210.0	2447.93	2099.54	1813.31	1531.38	1364.39	1187.28	1050.38	928.14	830.53
240.0	2457.91	2118.73	1817.15	1570.82	1377.44	1214.76	1070.49	956.92	852.55
270.0	2418.77	2085.73	1796.43	1524.70	1372.99	1198.26	1057.37	942.11	839.51
300.0	2454.07	2116.42	1816.38	1587.70	1386.65	1212.45	1077.40	959.22	857.16
330.0	2390.38	2078.05	1789.52	1524.39	1379.74	1210.69	1071.56	957.76	855.47
360.0	2495.51	2180.12	1883.14	1633.74	1426.55	1250.82	1096.58	967.66	861.76
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	746.66	655.34	584.74	529.49	468.10	422.82	389.06	347.01	312.78
30.0	769.68	699.08	635.39	580.14	533.33	488.05	444.31	403.64	366.27
60.0	791.01	717.57	653.88	598.48	548.60	504.40	458.35	414.23	366.96
90.0	809.58	734.38	664.55	606.23	549.44	498.79	451.22	402.11	360.74
120.0	803.29	731.00	664.85	601.47	548.37	502.17	456.28	410.55	366.19
150.0	810.35	731.31	666.85	610.83	563.25	511.07	465.03	423.59	388.29
180.0	730.77	643.83	578.14	520.97	471.02	425.51	387.29	346.93	310.25
210.0	747.35	675.14	613.52	563.48	515.29	469.94	429.73	387.06	345.01
240.0	769.68	698.31	627.71	570.93	524.89	475.77	430.50	387.52	343.71
270.0	746.96	671.61	604.92	548.44	497.87	447.30	400.34	359.52	315.31
300.0	777.35	707.52	633.85	578.60	537.16	486.52	439.71	393.66	346.47
330.0	772.44	703.45	641.30	588.35	539.00	484.52	441.70	398.19	358.59
360.0	746.66	655.34	584.74	529.49	468.10	422.82	389.06	347.01	312.78

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	275.26	239.57	203.12	167.59	131.37	93.24	55.86	20.57	3.15
30.0	326.83	287.92	246.17	198.44	156.93	111.12	64.84	27.78	4.60
60.0	325.60	281.70	233.51	184.71	135.75	91.78	49.65	11.43	5.14
90.0	316.24	271.73	225.30	184.32	138.97	96.92	48.19	7.98	5.53
120.0	322.91	280.55	229.83	183.25	135.29	92.09	50.72	13.28	5.06
150.0	343.63	296.51	248.94	203.82	156.08	112.11	66.07	28.09	4.91
180.0	275.18	236.74	200.29	162.76	128.61	90.70	54.94	23.25	3.38
210.0	307.64	263.75	215.02	172.20	130.61	84.64	43.66	12.82	3.45
240.0	302.58	256.07	205.89	161.61	117.33	70.52	27.01	5.83	3.76
270.0	271.27	222.92	183.86	139.20	95.77	55.94	13.81	5.29	3.45
300.0	302.42	258.07	204.97	160.38	116.79	70.45	26.93	5.76	3.76
330.0	314.85	272.42	223.54	179.49	130.53	85.56	46.04	12.58	3.45
360.0	275.26	239.57	203.12	167.59	131.37	93.24	55.86	20.57	3.15
C/γ(°)	90.0								
0.0	1.07								
30.0	2.00								
60.0	2.46								
90.0	2.76								
120.0	2.53								
150.0	2.23								
180.0	1.53								
210.0	1.15								
240.0	1.00								
270.0	0.92								
300.0	1.00								
330.0	1.07								
360.0	1.07								