

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3074A-72-UN (30-OL-72WN-AA, L650mm, C, CT)

报告编号:

电压(V): 219.4000

测试编号: 20210421009

电流(A): 0.3730

光源规格型号: OL

功率(W): 80.7000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 60

镇流器型号:

发光面长度(mm): 590

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): 7359.26

灯具效能(lm/w): 91.19

中心光强(cd): 20036.190

最大光强(cd): 20320.120

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=28.5

[C90/270]Total=28.6

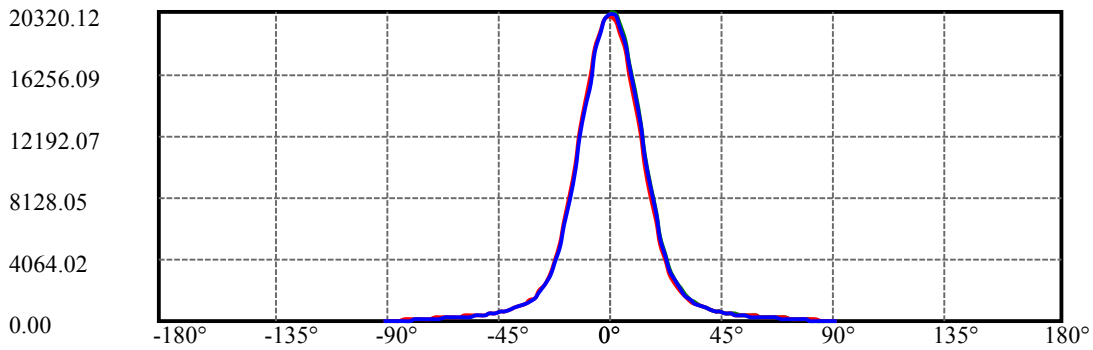
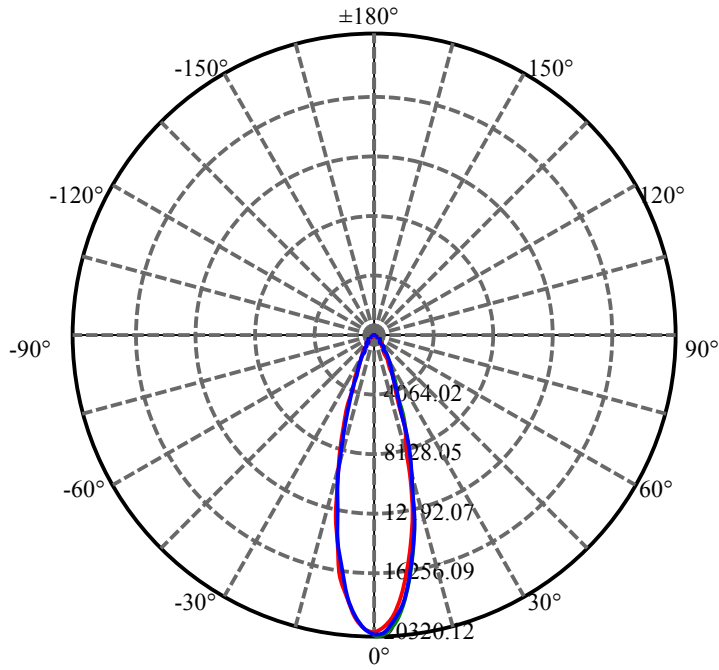
光束扩散角(10%Imax): [C0/180]Total=55.5

[C90/270]Total=55.7

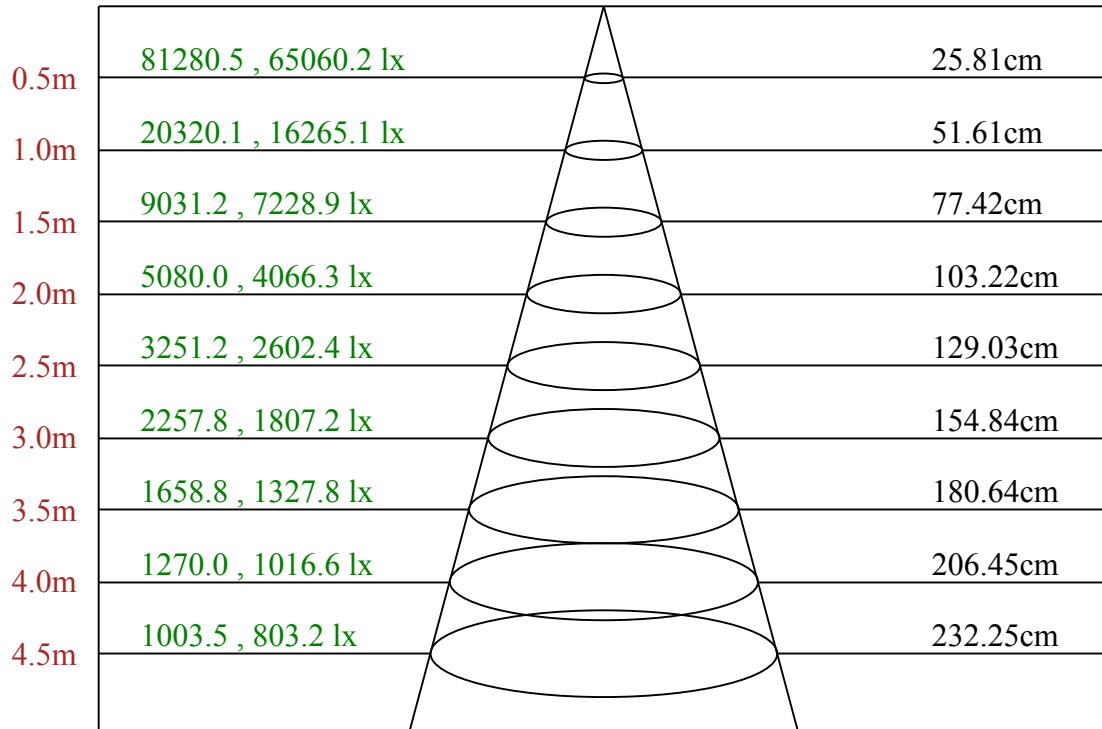
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/21
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

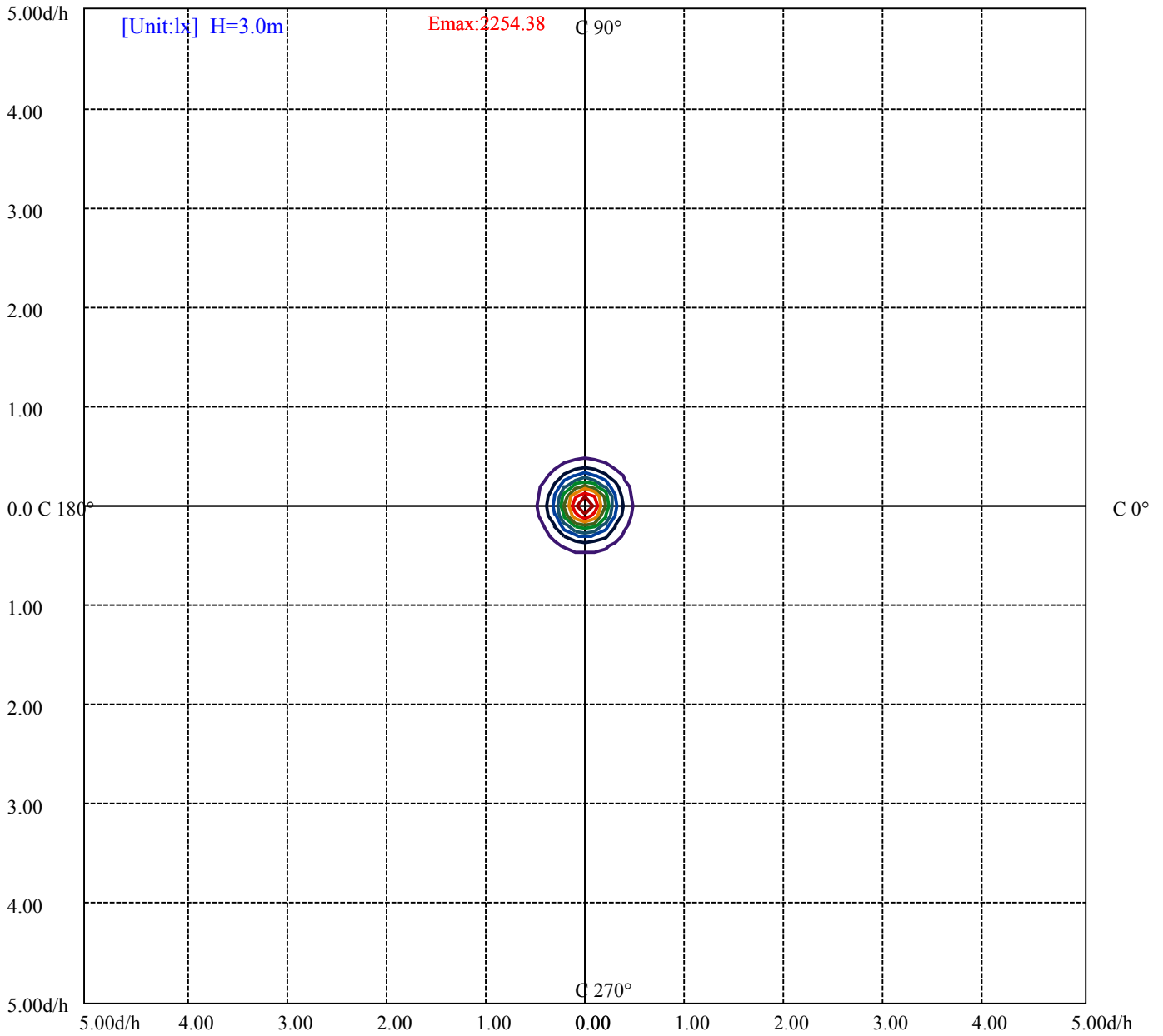


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角28.94

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平面等照度曲线



- (10%Emax) 225.4378
- (20%Emax) 450.8755
- (30%Emax) 676.3133
- (40%Emax) 901.7511
- (50%Emax) 1127.189
- (60%Emax) 1352.622
- (70%Emax) 1578.067
- (80%Emax) 1803.5
- (90%Emax) 2028.944

测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/21
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)

亮度值表

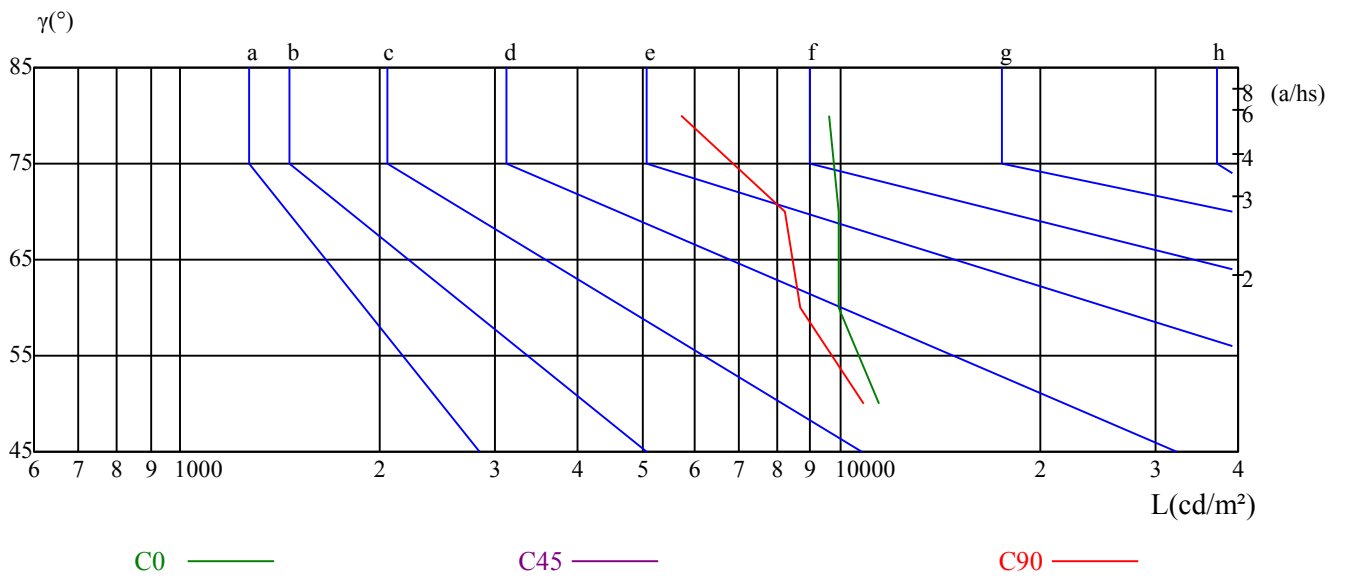
γ	45	50	55	60	65	70	75	80	85
C0	0	11432	0	9960	0	9960	0	9632	0
C45	0	0	0	0	0	0	0	0	0
C90	0	10866	0	8667	0	8222	0	5722	0

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

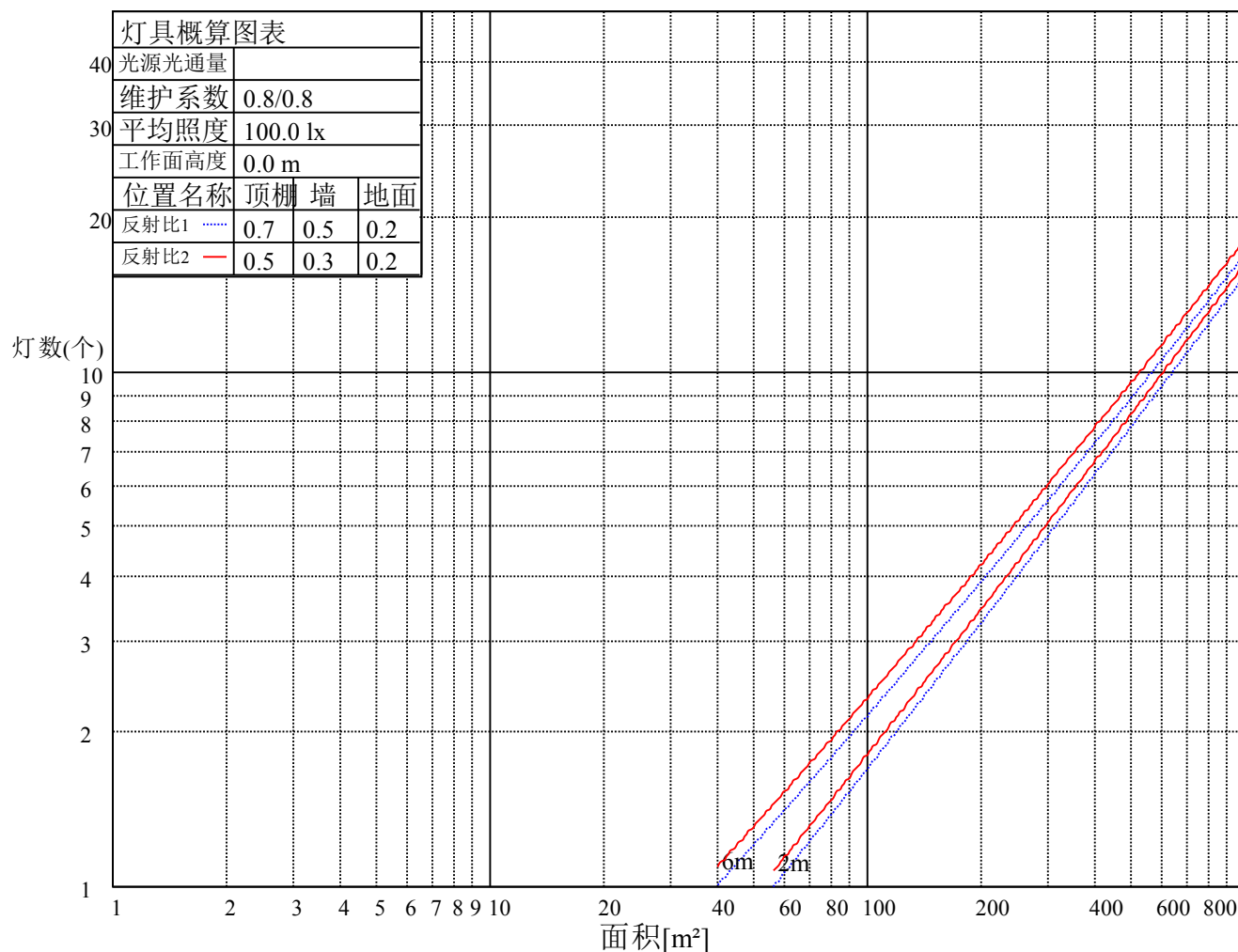
亮度限制曲线



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	8.72	9.83	9.09	10.14	10.46	9.47	10.58	9.83	10.89	11.20
	3H	10.44	11.42	10.82	11.75	12.12	11.34	12.33	11.72	12.66	13.02
	4H	11.07	11.98	11.47	12.33	12.72	12.13	13.04	12.53	13.39	13.78
	6H	11.44	12.28	11.86	12.65	13.05	12.74	13.57	13.15	13.95	14.34
	8H	11.52	12.31	11.96	12.70	13.11	12.93	13.72	13.37	14.11	14.52
	12H	11.59	12.35	12.03	12.73	13.16	13.15	13.91	13.59	14.29	14.72
4H	2H	9.34	10.25	9.74	10.60	10.99	9.92	10.84	10.33	11.19	11.58
	3H	11.26	12.01	11.67	12.42	12.82	12.03	12.79	12.45	13.19	13.60
	4H	12.01	12.68	12.45	13.10	13.55	12.93	13.61	13.37	14.03	14.47
	6H	12.41	12.98	12.87	13.43	13.90	13.55	14.13	14.02	14.58	15.05
	8H	12.52	13.06	12.99	13.51	13.98	13.80	14.34	14.27	14.79	15.26
	12H	12.59	13.06	13.08	13.55	14.03	14.03	14.50	14.52	14.99	15.46
8H	4H	12.32	12.86	12.80	13.31	13.78	13.13	13.67	13.61	14.12	14.59
	6H	12.85	13.28	13.36	13.78	14.27	13.89	14.32	14.39	14.82	15.30
	8H	13.02	13.40	13.55	13.92	14.42	14.21	14.59	14.74	15.11	15.61
	12H	13.58	13.91	14.10	14.41	14.99	14.89	15.23	15.41	15.72	16.30
12H	4H	12.34	12.81	12.83	13.30	13.78	13.12	13.59	13.61	14.08	14.55
	6H	13.30	13.29	13.44	13.76	14.31	14.29	14.29	14.43	14.76	15.30
	8H	13.12	13.45	13.64	13.95	14.52	14.26	14.60	14.78	15.09	15.67
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					0.4/-0.6					
S = 1.5H	0.9/-1.0					0.9/-0.8					
S = 2.0H	2.2/-1.1					1.5/-0.8					
标准表格	BK3					BK3					
更正系数	1.5					2.4					

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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	0.86
3	0.96	0.91	0.87	0.95	0.90	0.86	0.92	0.88	0.85	0.90	0.86	0.84	0.87	0.85	0.82	0.81
4	0.90	0.85	0.81	0.89	0.84	0.80	0.87	0.83	0.79	0.85	0.82	0.79	0.83	0.80	0.78	0.76
5	0.86	0.80	0.76	0.85	0.79	0.75	0.83	0.78	0.75	0.81	0.77	0.74	0.80	0.76	0.73	0.72
6	0.81	0.76	0.71	0.80	0.75	0.71	0.79	0.74	0.71	0.78	0.73	0.70	0.76	0.73	0.70	0.68
7	0.77	0.72	0.68	0.77	0.71	0.68	0.75	0.71	0.67	0.74	0.70	0.67	0.73	0.69	0.67	0.65
8	0.74	0.68	0.65	0.73	0.68	0.64	0.72	0.68	0.64	0.71	0.67	0.64	0.70	0.67	0.64	0.62
9	0.71	0.65	0.62	0.70	0.65	0.62	0.69	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.61	0.60
10	0.68	0.63	0.59	0.68	0.63	0.59	0.67	0.62	0.59	0.66	0.62	0.59	0.65	0.62	0.59	0.58

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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	20036.19	19736.91	18969.53	17741.73	16137.92	14319.24	12254.99	10190.75	8172.55
30.0	20320.12	20181.99	19506.70	18394.00	16889.95	15117.31	13053.07	10942.78	9008.99
60.0	20258.73	20005.49	19253.46	18094.73	16590.67	14659.95	12690.10	10555.26	8611.49
90.0	20189.66	20013.17	19322.53	18202.16	16751.82	14864.07	12815.18	10827.68	8794.13
120.0	20135.95	19890.39	19130.68	17971.95	16375.80	14546.38	12504.39	10500.01	8480.27
150.0	20074.56	19890.39	19238.12	18110.07	16583.00	14733.62	12799.83	10735.59	8824.82
180.0	20036.19	19790.63	19007.90	17887.53	16291.39	14363.74	12416.14	10307.39	8295.33
210.0	20320.12	19928.75	19061.62	17757.08	15677.49	14101.30	12007.13	9885.34	7911.65
240.0	20258.73	19951.78	19146.03	17872.19	16314.41	14326.91	12231.97	10137.04	8195.58
270.0	20189.66	19829.00	18931.17	17711.04	15708.19	14008.45	11948.04	9968.98	7995.29
300.0	20135.95	19859.69	19038.60	17872.19	16283.72	14334.58	12262.67	10282.84	8256.97
330.0	20074.56	19706.22	18892.80	17626.63	15311.45	14120.49	12097.68	10024.23	8164.88
360.0	20036.19	19736.91	18969.53	17741.73	16137.92	14319.24	12254.99	10190.75	8172.55
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6522.70	5064.68	3928.97	3050.32	2405.72	1919.21	1583.86	1315.28	1105.02
30.0	7159.62	5586.50	4289.63	3368.01	2639.77	2108.75	1731.97	1432.69	1214.76
60.0	6738.33	5287.22	4067.09	3163.12	2516.99	2012.06	1656.00	1375.14	1154.21
90.0	7044.51	5486.74	4220.57	3265.18	2594.50	2074.98	1687.46	1408.13	1181.76
120.0	6722.21	5212.79	4070.16	3167.73	2491.67	2019.73	1597.68	1370.30	1151.14
150.0	6990.80	5456.04	4197.55	3305.09	2601.40	2085.73	1717.39	1423.48	1208.62
180.0	6551.86	5130.68	3948.15	3108.64	2447.93	1962.95	1521.17	1349.74	1135.95
210.0	6300.92	4856.72	3790.07	2959.00	2339.73	1888.51	1519.94	1313.52	1113.69
240.0	6430.61	4964.92	3913.62	2998.14	2375.03	1900.79	1569.28	1304.54	1103.49
270.0	6291.72	4913.51	3770.89	2976.65	2352.01	1892.35	1519.40	1308.84	1103.56
300.0	6530.37	5126.07	3928.97	3084.08	2401.89	1939.16	1583.86	1326.03	1111.93
330.0	6458.24	4991.78	3887.53	3025.00	2379.63	1913.84	1518.10	1322.65	1125.89
360.0	6522.70	5064.68	3928.97	3050.32	2405.72	1919.21	1583.86	1315.28	1105.02
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	956.15	831.07	733.61	646.13	580.14	521.05	472.70	433.57	398.27
30.0	1029.05	897.83	785.79	692.17	616.97	551.74	500.33	454.29	415.15
60.0	987.38	861.23	752.41	663.17	591.57	528.11	474.32	427.58	387.60
90.0	1009.10	870.97	765.84	669.92	588.58	521.05	461.96	412.08	366.42
120.0	992.45	858.08	754.02	663.63	587.81	524.27	473.09	425.51	382.69
150.0	1033.66	895.53	782.72	689.10	613.90	549.44	497.26	450.45	411.31
180.0	974.57	852.32	746.89	664.39	591.34	530.95	481.14	440.93	404.33
210.0	966.89	839.43	739.83	654.19	581.59	523.12	477.77	436.25	401.03
240.0	944.64	821.09	719.80	641.53	571.70	511.84	467.33	425.89	388.29
270.0	947.94	825.85	724.48	645.59	569.01	509.92	456.82	411.39	368.49
300.0	953.85	833.37	728.24	643.83	574.00	516.44	468.87	427.43	388.29
330.0	968.51	839.82	740.90	655.65	583.21	524.81	479.07	436.48	400.42
360.0	956.15	831.07	733.61	646.13	580.14	521.05	472.70	433.57	398.27
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	370.18	341.79	316.24	293.83	274.03	254.23	237.35	220.01	200.98
30.0	388.29	352.76	324.98	299.81	277.48	254.69	234.74	214.56	191.92
60.0	348.93	316.62	287.84	263.67	242.03	222.69	203.43	185.40	170.20
90.0	333.19	304.19	279.48	255.69	233.97	214.79	196.91	180.95	165.91
120.0	345.47	311.55	284.93	260.22	240.11	219.93	201.90	183.48	167.67
150.0	388.29	349.54	322.07	297.43	275.64	253.31	233.44	213.33	190.54
180.0	372.02	344.71	318.69	295.52	274.87	256.46	238.42	220.62	203.12
210.0	371.03	341.64	316.08	293.21	272.27	252.47	233.21	213.94	191.84
240.0	353.45	322.30	292.83	269.20	246.86	225.61	208.57	189.39	172.12
270.0	333.66	304.03	279.86	256.76	235.35	216.94	198.83	182.33	167.52
300.0	354.91	321.68	293.14	268.58	246.71	226.99	208.50	190.31	172.51
330.0	370.41	341.25	315.78	292.91	272.19	251.55	232.82	212.87	192.07
360.0	370.18	341.79	316.24	293.83	274.03	254.23	237.35	220.01	200.98

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	182.79	163.83	143.42	121.71	98.68	74.05	51.11	28.85	8.36
30.0	167.36	147.11	125.54	103.75	86.64	60.47	39.67	17.80	6.68
60.0	155.09	136.36	107.36	85.72	67.22	41.28	21.95	13.20	7.44
90.0	145.95	121.86	101.83	83.41	58.63	38.14	23.71	12.66	8.36
120.0	152.55	133.22	105.21	83.11	65.53	40.75	21.41	12.05	7.21
150.0	166.52	146.26	124.24	102.06	84.26	57.25	36.22	15.81	5.60
180.0	184.02	165.45	143.35	121.71	97.38	74.74	50.88	28.93	9.06
210.0	166.98	141.35	120.55	98.91	80.57	54.25	34.69	12.82	5.22
240.0	155.78	140.05	112.19	89.94	72.13	43.89	24.48	14.50	7.75
270.0	149.56	123.85	101.98	84.10	59.01	39.37	25.48	12.74	8.29
300.0	157.01	140.43	112.42	91.01	71.75	46.43	25.02	15.04	7.67
330.0	168.52	144.80	122.40	100.60	81.88	56.33	35.76	15.04	5.29
360.0	182.79	163.83	143.42	121.71	98.68	74.05	51.11	28.85	8.36
C/γ(°)	90.0								
0.0	1.38								
30.0	2.00								
60.0	1.61								
90.0	1.61								
120.0	1.46								
150.0	1.23								
180.0	1.53								
210.0	1.84								
240.0	2.23								
270.0	2.23								
300.0	2.15								
330.0	1.61								
360.0	1.38								