

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3072A-48-UN(30-OL-48WN-AA, L450mm, C, CT)

报告编号:

电压(V): 220.4000

测试编号: 20210329009

电流(A): 0.2650

光源规格型号: OL

功率(W): 53.5000

每个光源光通量(lm)

功率因数: 0.9160

光源数量: 48

镇流器型号:

发光面长度(mm): 390

发光面宽度(mm): 103

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5073.86

灯具效能(lm/w): 94.84

中心光强(cd): 14081.350

最大光强(cd): 14194.920

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=28.4

[C90/270]Total=28.4

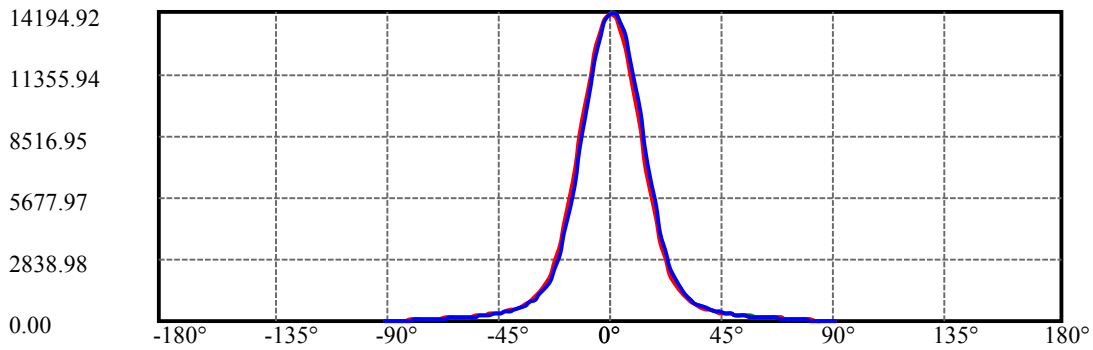
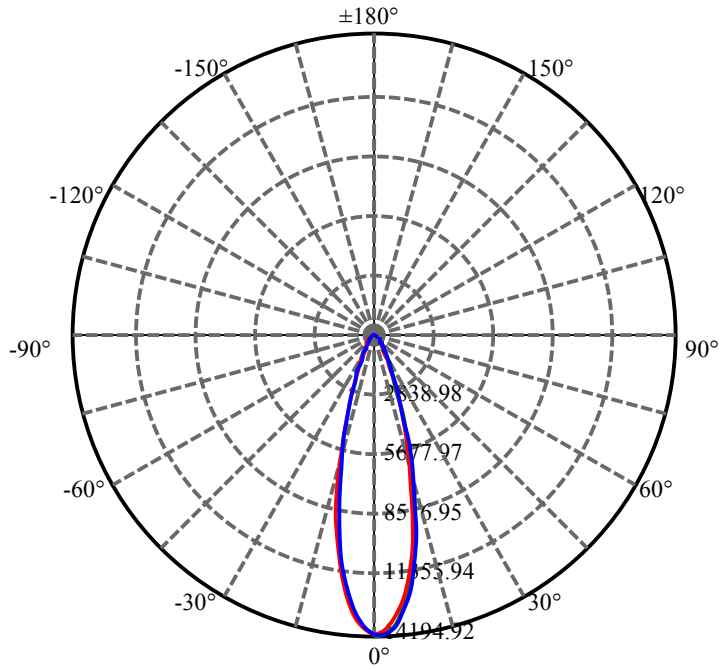
光束扩散角(10%Imax): [C0/180]Total=55.3

[C90/270]Total=55.4

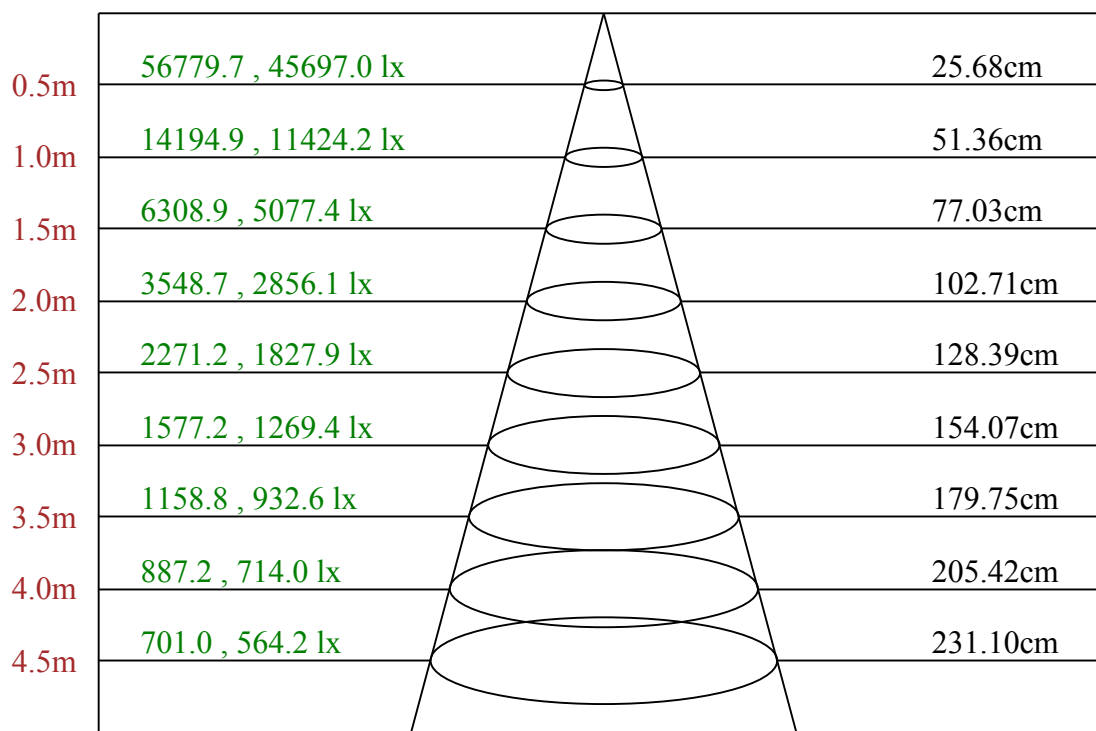
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/29
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

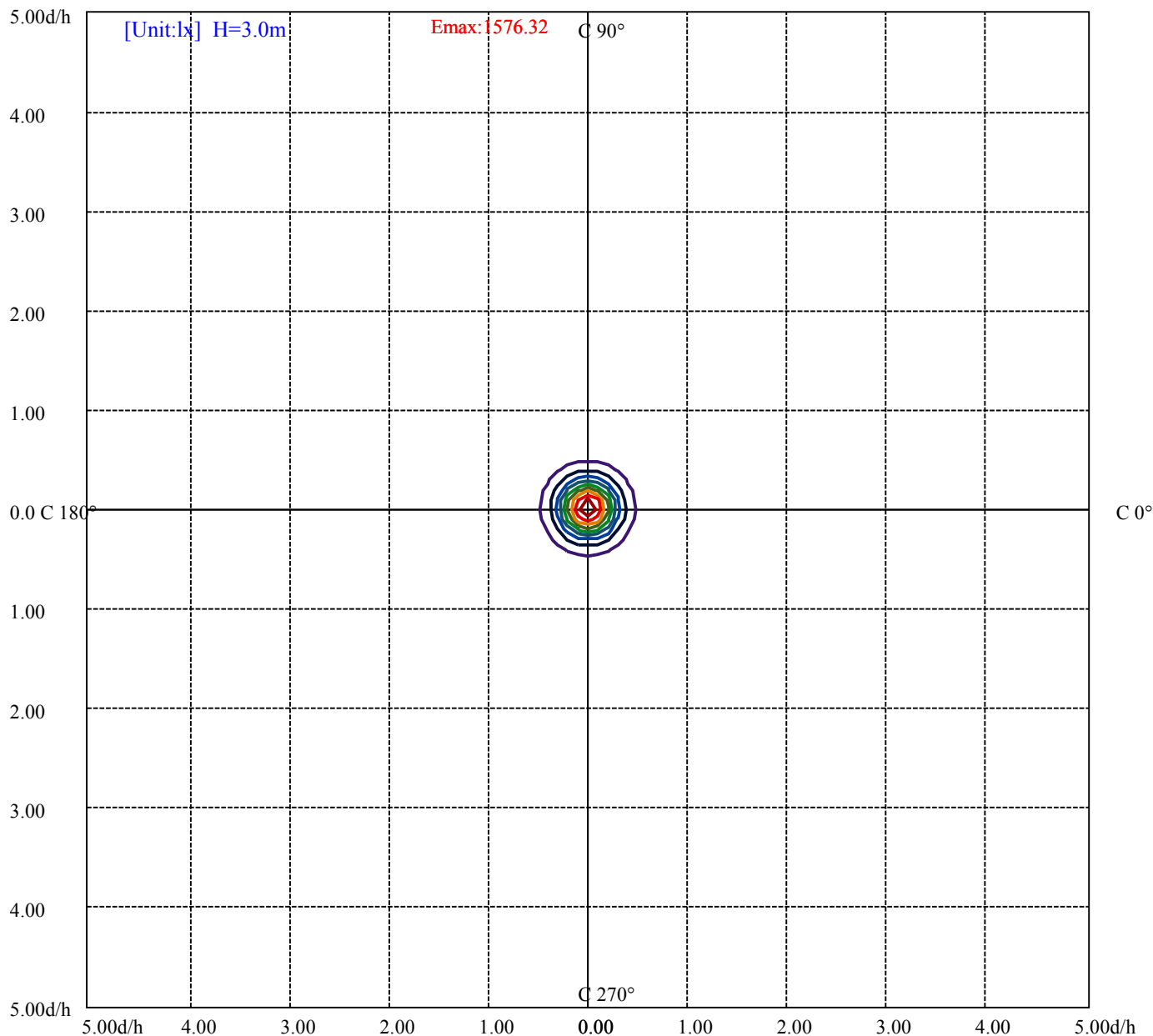


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角28.80

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平面等照度曲线



(10%Emax) 157.6322	——
(20%Emax) 315.2633	——
(30%Emax) 472.8956	——
(40%Emax) 630.5267	——
(50%Emax) 788.1589	——
(60%Emax) 945.7911	——
(70%Emax) 1103.422	——
(80%Emax) 1261.056	——
(90%Emax) 1418.689	——

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

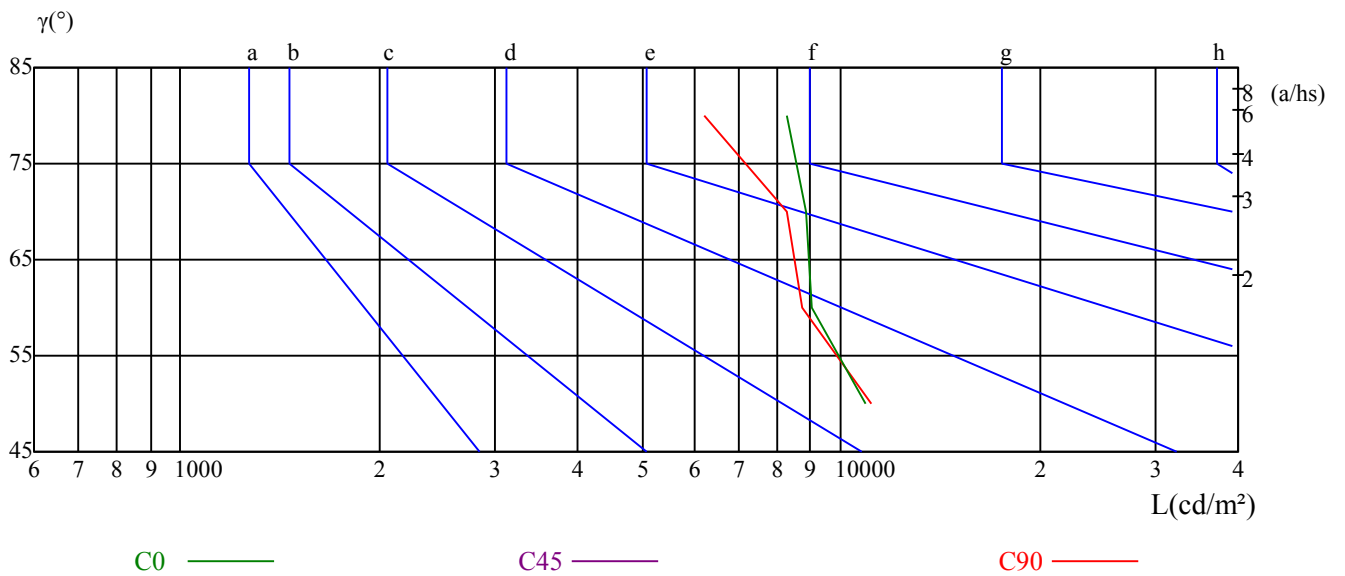
γ	45	50	55	60	65	70	75	80	85
C0	0	10898	0	9017	0	8864	0	8284	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11115	0	8765	0	8305	0	6216	0

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	9.81	10.90	10.17	11.21	11.53	10.25	11.34	10.61	11.65	11.97
	3H	11.49	12.46	11.87	12.79	13.16	12.04	13.00	12.42	13.34	13.70
	4H	12.10	13.00	12.50	13.35	13.74	12.76	13.66	13.17	14.01	14.40
	6H	12.44	13.26	12.86	13.64	14.03	13.30	14.13	13.72	14.50	14.90
	8H	12.50	13.28	12.93	13.67	14.08	13.47	14.24	13.90	14.64	15.04
	12H	12.54	13.28	12.97	13.66	14.09	13.64	14.38	14.07	14.76	15.19
4H	2H	10.38	11.28	10.79	11.64	12.02	10.73	11.63	11.14	11.98	12.37
	3H	12.25	12.99	12.67	13.40	13.80	12.78	13.52	13.19	13.93	14.33
	4H	12.97	13.63	13.41	14.05	14.50	13.62	14.28	14.06	14.71	15.15
	6H	13.33	13.90	13.80	14.35	14.82	14.17	14.74	14.64	15.19	15.66
	8H	13.41	13.94	13.89	14.39	14.86	14.37	14.90	14.85	15.35	15.83
	12H	13.45	13.91	13.94	14.40	14.87	14.55	15.01	15.04	15.49	15.97
8H	4H	13.25	13.77	13.72	14.22	14.70	13.82	14.35	14.29	14.80	15.27
	6H	13.71	14.13	14.21	14.63	15.11	14.50	14.92	15.00	15.42	15.90
	8H	13.83	14.21	14.36	14.73	15.22	14.77	15.14	15.29	15.66	16.16
	12H	14.38	14.71	14.90	15.21	15.78	15.41	15.74	15.93	16.24	16.81
12H	4H	13.25	13.71	13.74	14.20	14.68	13.80	14.26	14.29	14.75	15.23
	6H	14.12	14.12	14.28	14.59	15.14	14.87	14.88	15.04	15.35	15.90
	8H	13.91	14.23	14.43	14.73	15.31	14.81	15.13	15.33	15.63	16.21
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.7					0.4/-0.6					
S = 1.5H	1.0/-1.0					0.9/-0.9					
S = 2.0H	2.4/-1.1					1.7/-1.0					
标准表格	BK3					BK3					
更正系数	1.5					2.0					

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光强数据表(cd)

附页 第7页 共8页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	14081.35	13905.62	13394.55	12549.67	11516.78	10180.78	8702.81	7262.45	5923.38
30.0	14194.92	14139.67	13729.89	12951.77	11965.69	10660.39	9286.02	7778.89	6303.99
60.0	14178.81	14123.56	13696.13	12965.58	11907.37	10674.20	9254.55	7821.10	6366.92
90.0	14125.09	14141.97	13795.12	13111.39	12125.31	10850.70	9498.58	8002.20	6521.93
120.0	14127.39	14069.07	13607.88	12901.13	11838.31	10604.37	9192.40	7702.92	6347.73
150.0	14089.79	14030.70	13585.62	12831.29	11779.99	10538.37	9118.73	7647.67	6276.37
180.0	14081.35	13870.32	13287.88	12470.63	11295.01	9934.45	8576.19	7102.83	5726.93
210.0	14194.92	13887.97	13209.61	12238.11	11066.33	9624.43	8154.90	6700.73	5393.89
240.0	14178.81	13859.58	13181.98	12241.18	11037.17	9702.70	8137.26	6784.37	5427.65
270.0	14125.09	13726.82	13020.07	12006.36	10806.96	9352.01	7877.88	6441.35	5103.05
300.0	14127.39	13815.07	13192.73	12231.21	11047.14	9721.12	8227.81	6818.90	5468.32
330.0	14089.79	13785.14	13160.50	12234.28	11035.63	9694.26	8230.87	6775.16	5389.28
360.0	14081.35	13905.62	13394.55	12549.67	11516.78	10180.78	8702.81	7262.45	5923.38
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4653.37	3618.18	2810.13	2157.09	1697.44	1351.35	1107.32	917.78	766.61
30.0	5056.24	3926.66	3008.88	2320.55	1829.42	1451.11	1171.78	970.73	808.05
60.0	5072.36	3935.10	3025.00	2365.05	1841.70	1488.79	1206.32	990.91	828.00
90.0	5254.22	4093.18	3185.38	2453.30	1906.93	1506.36	1226.27	1002.96	831.84
120.0	5002.52	3934.34	3026.53	2368.12	1847.07	1494.31	1210.61	993.91	829.92
150.0	4987.18	3930.50	2982.02	2333.59	1820.98	1462.62	1180.22	967.66	813.42
180.0	4519.08	3531.46	2712.67	2102.61	1672.11	1347.05	1108.94	916.02	768.99
210.0	4236.68	3273.63	2540.01	1981.36	1519.02	1276.84	1045.93	868.82	736.53
240.0	4288.10	3329.64	2556.90	2005.15	1593.84	1279.98	1047.47	880.95	743.59
270.0	4043.30	3121.69	2423.37	1895.42	1529.84	1214.91	1006.57	838.20	711.89
300.0	4335.67	3374.15	2629.80	2032.01	1613.02	1293.03	1065.12	886.32	745.89
330.0	4278.89	3302.02	2558.43	1969.85	1523.01	1263.56	1042.40	863.37	724.48
360.0	4653.37	3618.18	2810.13	2157.09	1697.44	1351.35	1107.32	917.78	766.61
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	656.87	567.86	493.42	435.10	387.52	344.32	309.18	281.40	255.31
30.0	691.41	590.11	516.44	454.29	405.17	363.05	327.36	298.82	272.73
60.0	709.75	610.91	535.01	469.48	414.38	368.57	330.66	298.36	267.97
90.0	709.82	608.53	527.95	462.73	410.55	363.58	323.68	287.00	255.00
120.0	705.60	611.83	531.56	468.41	412.85	366.65	328.44	296.36	265.74
150.0	683.73	592.41	514.14	453.52	401.34	361.05	324.91	294.44	268.43
180.0	656.64	570.85	496.95	435.79	387.37	344.48	309.18	279.17	254.54
210.0	632.70	549.36	483.14	427.35	380.47	341.41	311.17	283.55	260.29
240.0	636.15	557.88	487.28	428.96	388.29	344.32	310.10	281.86	253.54
270.0	612.60	532.64	468.48	413.85	367.50	326.37	293.06	261.68	234.28
300.0	642.29	557.88	486.52	427.43	389.06	342.71	308.56	280.78	252.77
330.0	625.49	542.30	473.32	418.53	374.94	336.03	304.80	279.25	255.38
360.0	656.87	567.86	493.42	435.10	387.52	344.32	309.18	281.40	255.31
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	233.97	214.71	196.83	181.10	167.75	154.47	142.81	132.76	121.78
30.0	250.01	229.98	212.95	196.83	182.87	168.75	154.86	141.73	128.69
60.0	241.72	216.86	195.53	178.26	163.76	149.56	136.21	124.08	111.27
90.0	230.37	209.72	192.00	176.04	162.30	148.87	136.98	125.39	114.11
120.0	238.42	214.79	193.61	176.27	161.15	147.80	134.75	122.78	110.43
150.0	245.64	226.61	208.57	193.30	178.72	164.83	152.02	139.51	126.16
180.0	232.21	213.41	195.60	179.64	165.37	153.17	141.66	130.91	120.48
210.0	239.27	220.39	203.35	189.08	174.81	161.15	148.87	135.44	120.63
240.0	228.22	205.73	186.93	170.97	156.93	143.88	131.22	118.56	105.90
270.0	214.02	196.14	180.33	166.37	153.78	141.27	130.53	119.02	107.28
300.0	227.68	205.43	186.55	170.28	157.01	143.42	130.99	118.64	106.67
330.0	235.97	217.40	200.52	185.86	172.74	159.38	146.72	134.75	121.25
360.0	233.97	214.71	196.83	181.10	167.75	154.47	142.81	132.76	121.78

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光强数据表(cd)

附页 第 8页 共8页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	111.04	98.68	85.41	71.83	57.78	43.59	29.62	15.04	3.61
30.0	112.19	97.23	83.34	67.91	54.48	40.13	23.33	10.21	3.30
60.0	99.61	87.86	71.83	55.86	42.05	26.93	13.74	7.37	3.15
90.0	102.29	86.02	71.52	56.02	43.36	24.94	11.97	7.90	3.76
120.0	98.91	87.33	69.75	55.40	41.13	26.78	12.97	6.91	2.99
150.0	110.35	96.92	82.11	67.45	53.56	39.06	21.72	8.75	2.84
180.0	109.20	96.31	83.03	69.52	55.48	41.44	26.63	12.51	2.00
210.0	104.06	89.17	73.59	59.39	45.58	28.32	15.81	4.68	1.76
240.0	95.08	82.57	64.61	49.11	36.60	20.72	10.51	4.68	2.61
270.0	94.46	76.74	61.31	47.96	31.00	16.65	10.67	4.99	2.61
300.0	95.23	83.18	65.69	50.42	38.52	22.10	10.82	4.91	2.84
330.0	105.05	90.32	75.66	61.08	47.88	30.70	17.65	5.91	1.84
360.0	111.04	98.68	85.41	71.83	57.78	43.59	29.62	15.04	3.61

C/γ(°)	90.0
0.0	0.38
30.0	1.15
60.0	1.61
90.0	1.69
120.0	1.23
150.0	0.84
180.0	0.38
210.0	0.31
240.0	0.23
270.0	0.31
300.0	0.23
330.0	0.31
360.0	0.38