

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3083A-24-UN-RC-Y(20-XL-24RGBWH-AJ, L610mm, C, CT)

报告编号:

电压(V): 201.9000

测试编号: 20210227002

电流(A): 0.5040

光源规格型号: XL

功率(W): 100.2000

每个光源光通量(lm)

功率因数: 0.9850

光源数量: 24

镇流器型号:

发光面长度(mm): 550

发光面宽度(mm): 105

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 5121.34

灯具效能(lm/w): 51.11

中心光强(cd): 22138.800

最大光强(cd): 22844.790

最大光强角度: C=30.0 γ =0.0

半峰边角(50%Imax): [C0/180]Total=22.1

[C90/270]Total=22.3

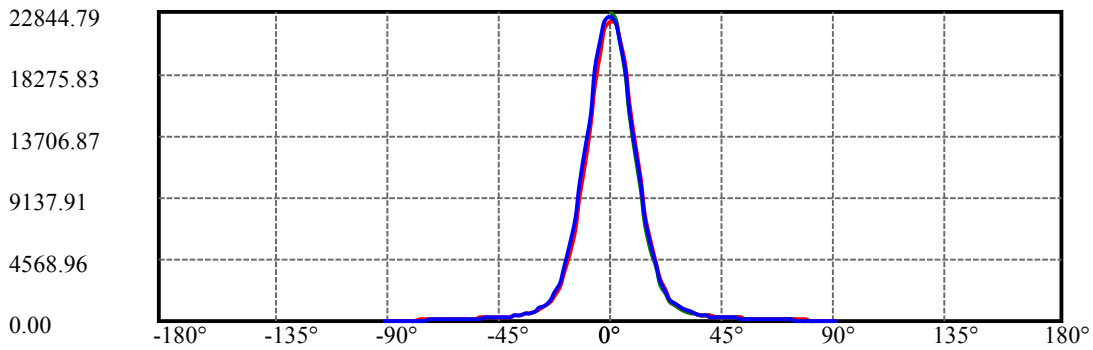
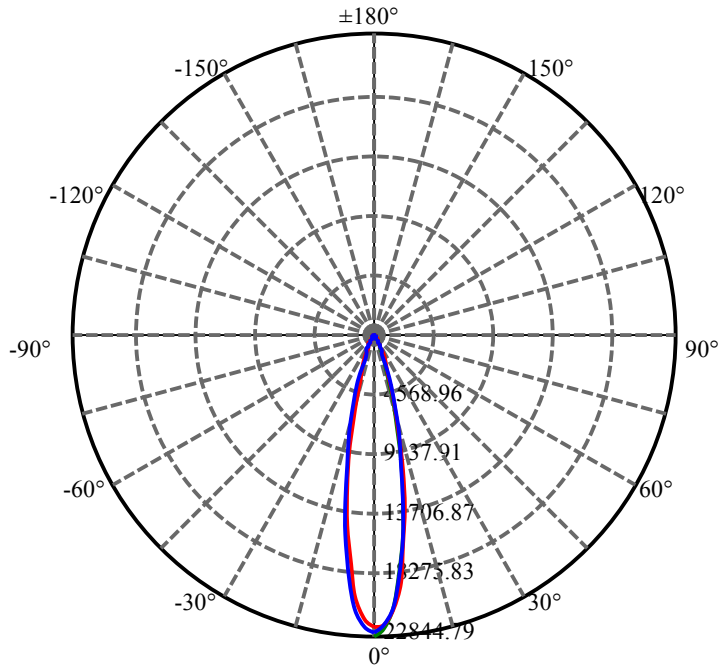
光束扩散角(10%Imax): [C0/180]Total=42.9

[C90/270]Total=43.4

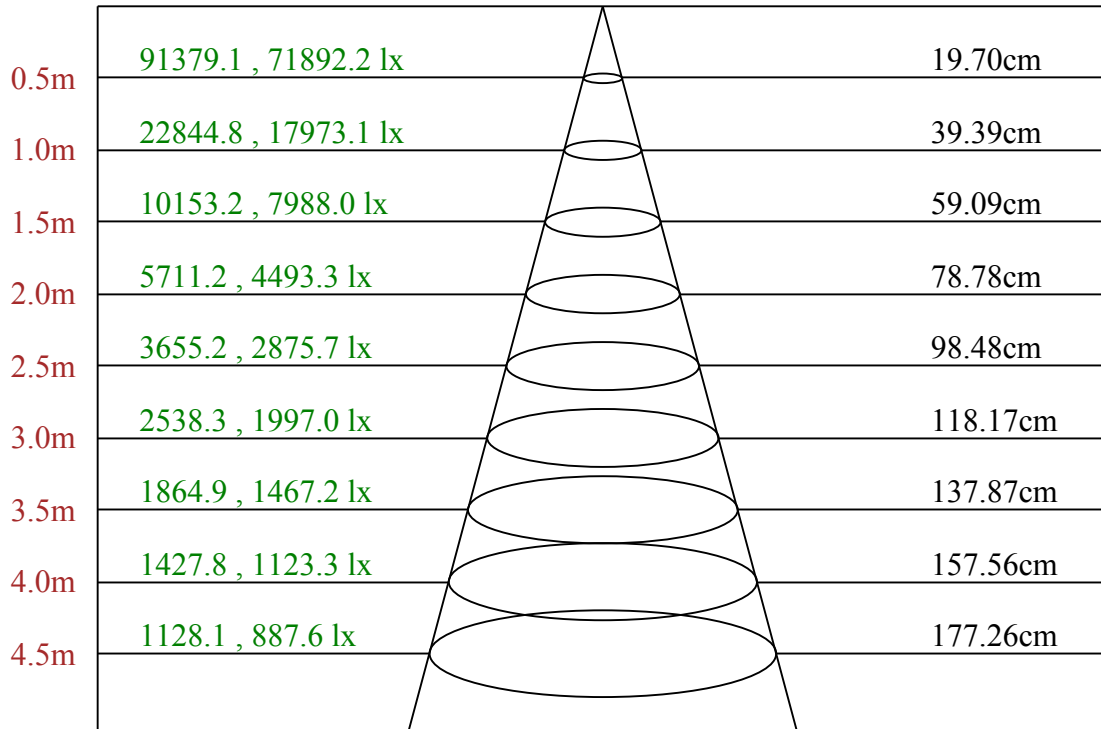
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/27
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

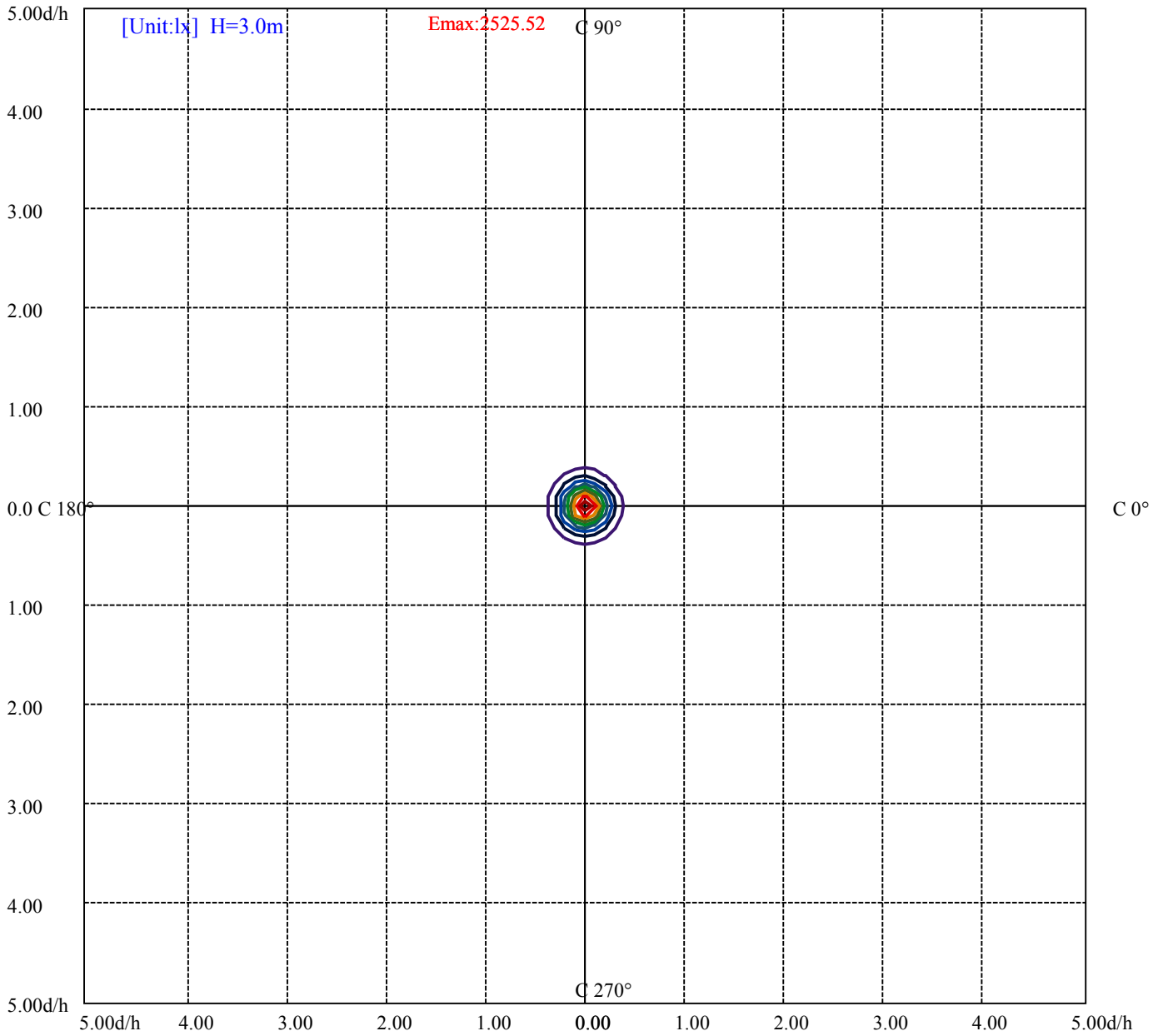


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角22.28

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平面等照度曲线



- (10%Emax) 252.5511
- (20%Emax) 505.1022
- (30%Emax) 757.6533
- (40%Emax) 1010.204
- (50%Emax) 1262.755
- (60%Emax) 1515.311
- (70%Emax) 1767.856
- (80%Emax) 2020.411
- (90%Emax) 2272.956

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

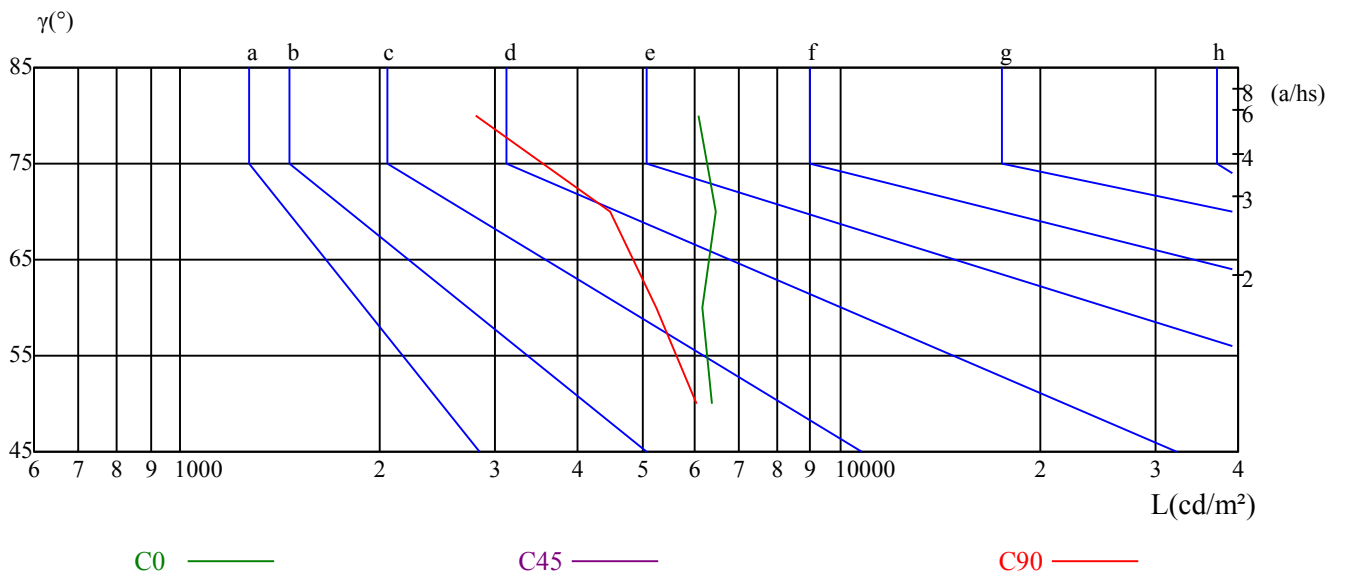
γ	45	50	55	60	65	70	75	80	85
C0	0	6398	0	6168	0	6469	0	6091	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6055	0	5254	0	4483	0	2793	0

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	7.86	8.93	8.23	9.24	9.55	8.42	9.49	8.79	9.80	10.11
	3H	9.40	10.34	9.78	10.68	11.04	10.57	11.52	10.96	11.85	12.22
	4H	9.92	10.80	10.33	11.15	11.54	11.33	12.21	11.74	12.56	12.95
	6H	10.21	11.01	10.62	11.38	11.78	11.88	12.68	12.30	13.06	13.45
	8H	10.25	11.01	10.69	11.40	11.81	12.06	12.82	12.50	13.21	13.62
	12H	10.29	11.01	10.73	11.40	11.83	12.30	13.02	12.73	13.40	13.84
4H	2H	8.60	9.47	9.00	9.82	10.21	9.02	9.90	9.43	10.25	10.64
	3H	10.28	11.00	10.70	11.41	11.82	11.40	12.12	11.82	12.53	12.94
	4H	10.88	11.52	11.32	11.95	12.39	12.24	12.88	12.68	13.31	13.75
	6H	11.19	11.74	11.65	12.19	12.66	12.77	13.32	13.24	13.77	14.24
	8H	11.26	11.77	11.73	12.22	12.69	12.99	13.50	13.46	13.95	14.42
	12H	11.29	11.74	11.78	12.23	12.70	13.22	13.67	13.71	14.16	14.63
8H	4H	11.19	11.70	11.66	12.15	12.63	12.38	12.89	12.85	13.34	13.82
	6H	11.61	12.02	12.12	12.52	13.01	13.01	13.42	13.51	13.92	14.40
	8H	11.73	12.09	12.26	12.61	13.11	13.29	13.65	13.82	14.17	14.67
	12H	12.33	12.64	12.85	13.14	13.72	14.05	14.36	14.57	14.86	15.44
12H	4H	11.20	11.64	11.69	12.13	12.61	12.35	12.80	12.84	13.29	13.76
	6H	11.99	12.01	12.18	12.48	13.03	13.34	13.37	13.54	13.84	14.38
	8H	11.81	12.12	12.33	12.62	13.20	13.32	13.63	13.84	14.13	14.71
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.5					0.2/-0.6					
S = 1.5H	0.8/-0.8					0.8/-0.7					
S = 2.0H	1.8/-1.0					0.9/-0.7					
标准表格	BK3					BK3					
更正系数	-1.3					0.0					

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光强数据表(cd)

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C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	22138.80	21939.28	20849.61	18915.82	16130.24	13237.24	10459.33	7934.67	5970.19
30.0	22844.78	22215.54	20703.80	18186.81	15355.19	12408.47	9638.24	7290.07	5256.53
60.0	22614.57	21977.65	20412.20	17879.86	14978.41	12243.48	9472.49	7168.83	5163.67
90.0	22491.79	22039.04	20749.85	18455.39	15623.78	12746.12	10098.67	7627.72	5701.60
120.0	22369.01	21893.24	20404.53	18163.79	15190.98	12413.07	9774.84	7393.67	5534.32
150.0	22261.58	21893.24	20527.31	18248.20	15424.26	12646.36	9883.80	7581.67	5601.84
180.0	22138.80	21524.90	19882.71	17358.05	14588.59	11650.30	9089.57	6828.11	4963.39
210.0	22844.78	22583.88	21386.77	19299.51	16007.46	13451.33	10526.86	8055.91	5859.68
240.0	22614.57	22415.05	21248.64	19238.12	16444.87	13544.19	10697.22	8164.88	5954.84
270.0	22491.79	22085.08	20803.56	18524.46	15316.06	12817.48	10094.06	7615.44	5667.07
300.0	22369.01	22046.71	20872.63	18747.00	16091.87	13191.19	10374.92	7827.24	5809.04
330.0	22261.58	21870.22	20519.63	18394.00	15312.22	12833.60	9883.04	7587.05	5607.98
360.0	22138.80	21939.28	20849.61	18915.82	16130.24	13237.24	10459.33	7934.67	5970.19
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4297.31	3080.25	2218.48	1629.14	1229.34	986.08	802.68	663.01	560.95
30.0	3913.62	2669.70	1931.49	1455.71	1102.72	887.09	725.94	610.83	520.28
60.0	3635.06	2586.82	1908.46	1434.07	1110.85	894.91	729.54	610.98	519.28
90.0	4105.46	2919.87	2116.42	1596.14	1218.59	959.22	781.96	648.43	550.98
120.0	3928.20	2883.03	2109.52	1522.63	1237.24	979.71	802.52	664.16	558.65
150.0	4051.75	2950.56	2139.44	1583.86	1207.85	963.82	781.96	654.57	551.74
180.0	3509.21	2499.34	1839.40	1378.44	1085.61	877.80	727.93	609.53	520.89
210.0	4110.83	2952.86	2121.03	1514.88	1204.78	948.71	765.07	644.14	548.60
240.0	4228.24	3015.79	2167.84	1619.93	1220.13	959.22	775.82	646.90	549.44
270.0	4035.63	2883.80	2121.79	1522.24	1197.34	940.57	764.31	637.38	543.53
300.0	4281.96	3059.53	2263.76	1675.95	1270.01	1001.43	819.56	675.29	567.86
330.0	4101.62	2942.89	2132.54	1530.30	1221.36	965.28	780.04	655.19	554.58
360.0	4297.31	3080.25	2218.48	1629.14	1229.34	986.08	802.68	663.01	560.95
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	478.08	415.92	364.58	326.90	297.13	274.11	254.08	237.50	224.30
30.0	448.91	397.50	355.45	318.23	288.23	265.28	245.94	231.13	218.55
60.0	450.83	395.51	353.45	316.70	287.54	263.75	244.79	228.68	215.10
90.0	466.56	402.11	351.92	313.47	282.47	259.37	241.57	224.76	208.19
120.0	476.77	417.45	365.19	325.60	293.83	269.04	248.78	232.75	218.40
150.0	473.47	412.08	365.19	323.99	292.22	268.74	249.32	233.97	220.39
180.0	447.23	391.98	346.70	312.48	285.85	264.44	247.33	231.82	218.01
210.0	473.32	416.61	368.80	328.44	296.59	273.03	252.70	236.97	224.46
240.0	471.17	412.85	368.19	327.90	295.44	271.65	250.86	234.89	220.93
270.0	462.34	401.26	352.38	313.78	283.93	260.98	243.10	227.22	212.33
300.0	487.28	421.29	388.29	332.66	299.89	274.26	254.15	236.28	221.85
330.0	475.93	415.15	368.72	327.44	296.51	272.19	250.39	234.59	220.85
360.0	478.08	415.92	364.58	326.90	297.13	274.11	254.08	237.50	224.30
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	210.95	198.98	188.16	178.11	168.13	159.69	150.48	139.82	127.77
30.0	207.96	197.91	189.08	181.02	174.12	166.75	156.31	143.96	128.00
60.0	203.51	190.16	175.88	160.77	148.95	136.44	122.63	109.35	94.92
90.0	191.61	177.88	164.60	151.71	139.20	126.69	114.80	100.91	88.56
120.0	205.27	192.38	178.11	164.53	152.25	140.51	126.77	112.73	99.14
150.0	209.03	199.44	191.15	184.25	178.18	170.97	160.92	147.57	131.22
180.0	204.97	193.23	182.18	172.12	162.68	153.63	144.04	132.53	120.40
210.0	212.87	203.66	193.99	185.78	178.34	171.05	161.00	148.49	134.37
240.0	208.34	195.83	182.87	168.06	154.63	142.96	129.92	115.64	101.29
270.0	195.99	180.87	167.21	153.78	141.43	128.46	115.87	102.83	89.55
300.0	209.88	197.22	184.02	169.67	156.47	143.96	131.14	116.49	102.29
330.0	209.49	200.13	191.54	184.94	179.11	171.89	161.30	149.02	133.68
360.0	210.95	198.98	188.16	178.11	168.13	159.69	150.48	139.82	127.77

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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	114.95	101.22	88.09	75.82	61.08	48.11	36.22	23.64	11.66
30.0	109.04	87.56	67.76	52.80	39.06	27.17	19.95	5.53	2.15
60.0	81.03	66.15	54.71	46.58	32.46	16.42	11.36	4.76	2.61
90.0	75.66	64.84	56.71	45.89	28.01	15.35	12.20	4.68	2.92
120.0	84.26	69.98	57.25	48.73	33.15	17.11	11.20	5.06	2.61
150.0	112.80	91.24	70.91	55.02	41.59	29.08	21.33	5.83	2.23
180.0	106.51	93.70	80.88	67.38	54.02	41.90	28.62	17.11	4.30
210.0	115.87	95.54	75.43	58.24	44.74	32.23	23.33	9.21	3.99
240.0	87.10	73.36	60.93	50.26	42.67	23.64	12.20	8.36	3.22
270.0	76.12	65.53	56.86	49.27	30.77	16.58	12.97	5.76	3.30
300.0	87.40	72.75	60.01	49.57	42.44	22.02	11.51	7.52	3.07
330.0	115.03	94.46	75.20	56.79	43.28	31.00	22.56	8.13	3.68
360.0	114.95	101.22	88.09	75.82	61.08	48.11	36.22	23.64	11.66
C/γ(°)	90.0								
0.0	1.07								
30.0	0.38								
60.0	0.23								
90.0	0.31								
120.0	0.38								
150.0	0.38								
180.0	0.38								
210.0	1.46								
240.0	1.30								
270.0	0.92								
300.0	1.07								
330.0	1.07								
360.0	1.07								