

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3313A-27-UN (5015-OL-27WN-AA, P1)

报告编号:

电压(V): 220.3000

测试编号: 20210327004

电流(A): 0.1540

光源规格型号: OL

功率(W): 32.8000

每个光源光通量(lm)

功率因数: 0.9660

光源数量: 27

镇流器型号:

发光面长度(mm): 900

发光面宽度(mm): 40

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 2944.62

灯具效能(lm/w): 89.77

中心光强(cd): 8547.802

最大光强(cd): 8727.368

最大光强角度: $C=30.0$ $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=53.3

[C90/270]Total=11.7

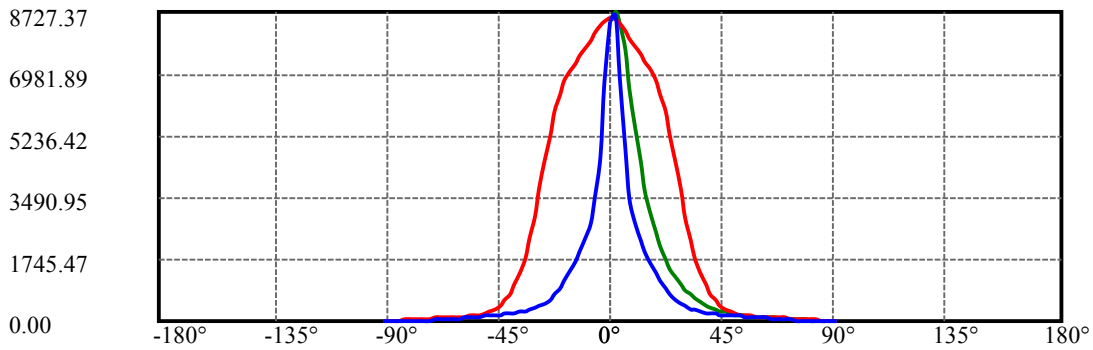
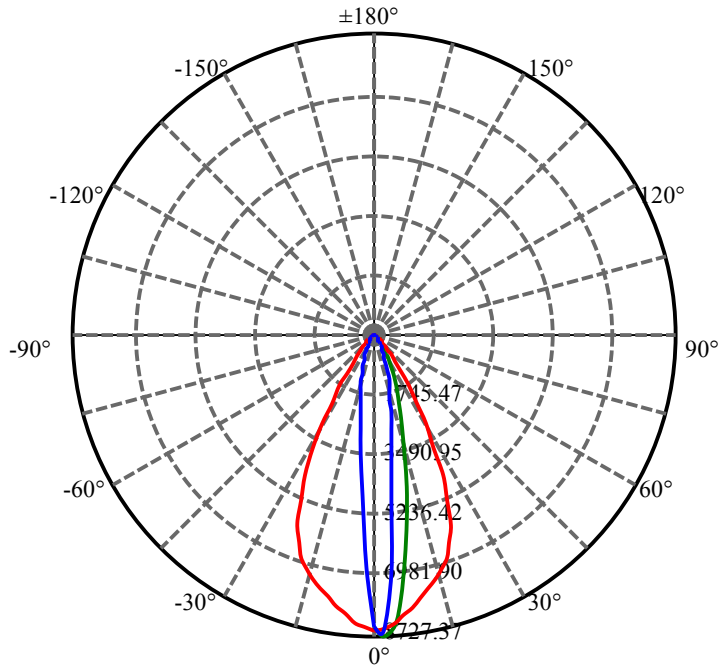
光束扩散角(10%Imax): [C0/180]Total=78.5

[C90/270]Total=43.7

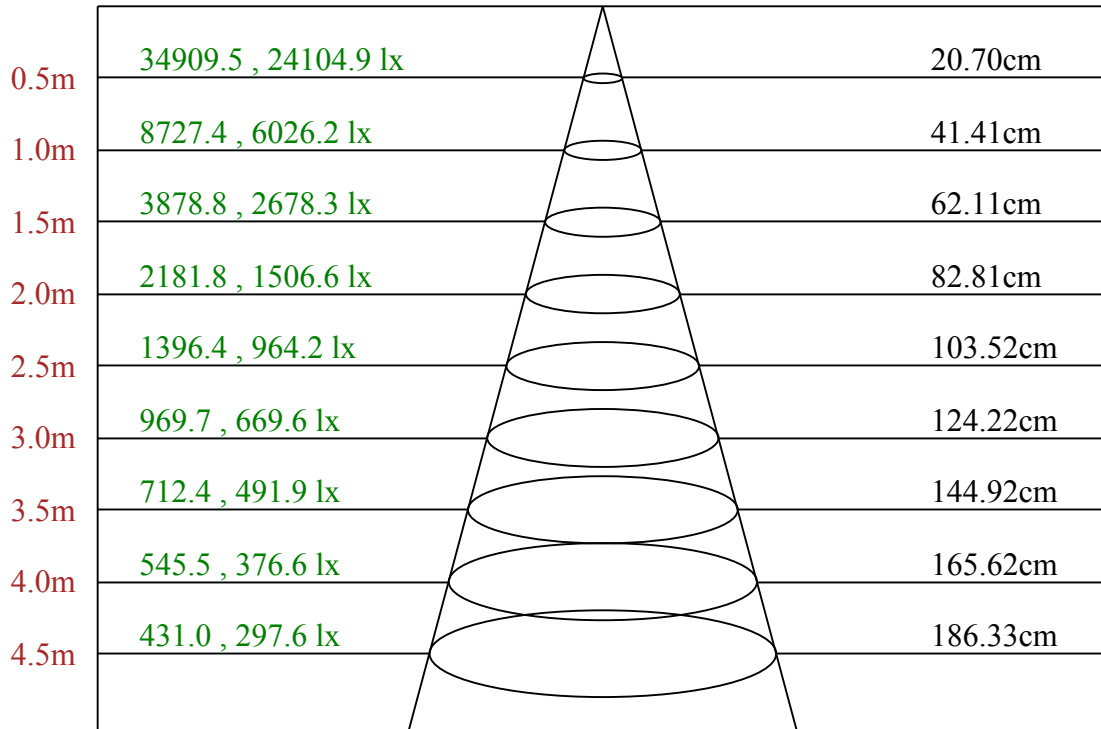
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/27
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

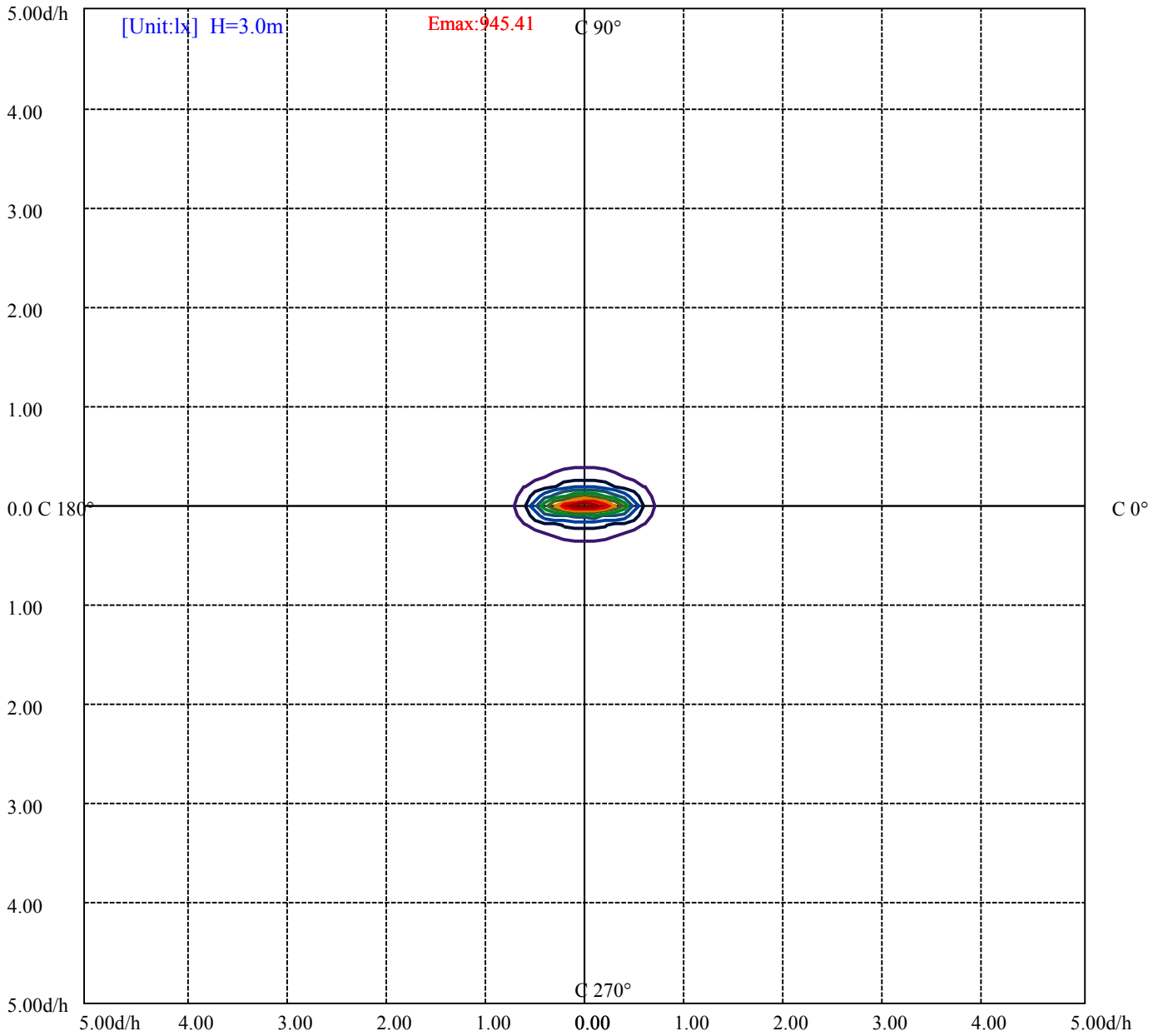


C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角23.37

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平面等照度曲线



(10%Emax) 94.54089	—
(20%Emax) 189.0822	—
(30%Emax) 283.6222	—
(40%Emax) 378.1633	—
(50%Emax) 472.7044	—
(60%Emax) 567.2455	—
(70%Emax) 661.7867	—
(80%Emax) 756.3278	—
(90%Emax) 850.8689	—

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

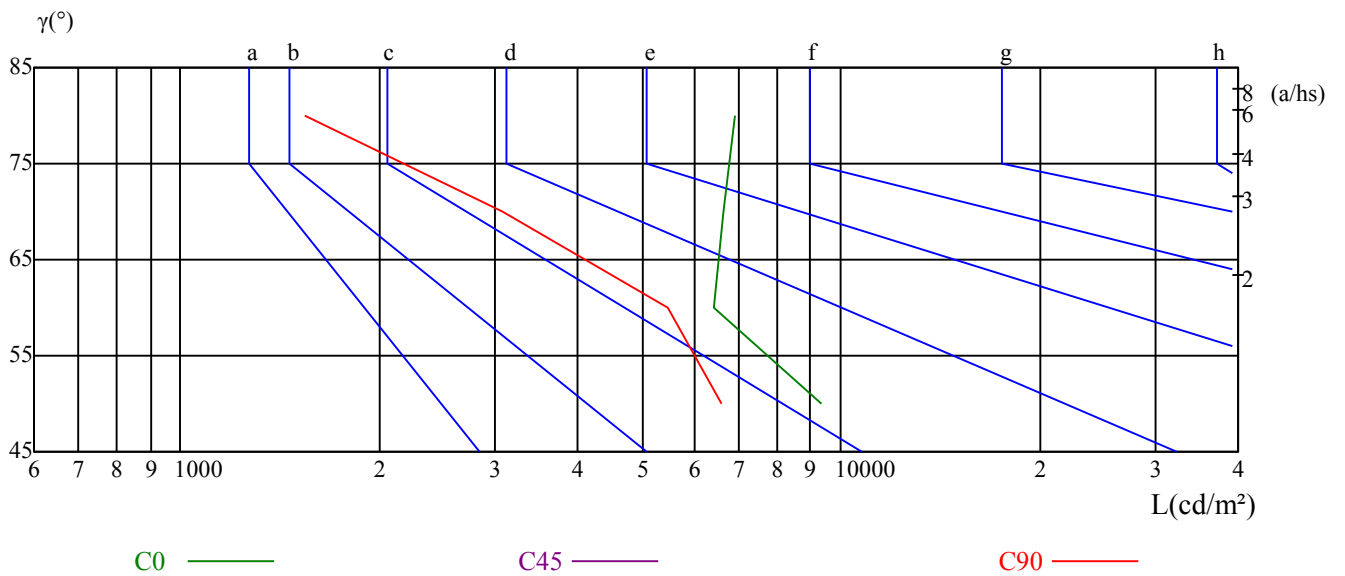
γ	45	50	55	60	65	70	75	80	85
C0	0	9372	0	6412	0	6625	0	6923	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6599	0	5478	0	3079	0	1547	0

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	10.11	11.19	10.48	11.50	11.82	10.91	11.98	11.27	12.30	12.61
	3H	10.89	11.84	11.27	12.17	12.54	12.82	13.77	13.20	14.10	14.47
	4H	10.97	11.86	11.38	12.21	12.60	13.61	14.49	14.02	14.85	15.23
	6H	10.97	11.78	11.39	12.16	12.55	14.26	15.06	14.67	15.44	15.83
	8H	10.96	11.72	11.40	12.12	12.52	14.50	15.26	14.93	15.65	16.06
	12H	10.98	11.70	11.41	12.09	12.52	14.81	15.54	15.24	15.92	16.35
4H	2H	10.64	11.52	11.04	11.87	12.26	11.28	12.17	11.69	12.52	12.91
	3H	11.57	12.29	11.98	12.70	13.11	13.39	14.11	13.80	14.52	14.92
	4H	11.68	12.33	12.12	12.75	13.20	14.28	14.92	14.72	15.35	15.79
	6H	11.70	12.25	12.17	12.70	13.17	14.90	15.46	15.37	15.91	16.38
	8H	11.69	12.20	12.16	12.65	13.13	15.18	15.70	15.66	16.15	16.62
	12H	11.71	12.16	12.20	12.65	13.12	15.50	15.95	15.99	16.44	16.92
8H	4H	11.92	12.43	12.39	12.88	13.35	14.28	14.80	14.76	15.25	15.72
	6H	11.95	12.36	12.46	12.86	13.35	14.95	15.36	15.46	15.87	16.35
	8H	11.96	12.32	12.49	12.85	13.34	15.27	15.64	15.80	16.16	16.66
	12H	12.72	13.03	13.24	13.53	14.11	16.06	16.38	16.58	16.88	17.45
12H	4H	11.91	12.36	12.40	12.85	13.32	14.23	14.68	14.72	15.17	15.64
	6H	12.31	12.33	12.49	12.80	13.34	15.25	15.27	15.44	15.74	16.29
	8H	11.99	12.31	12.51	12.81	13.39	15.24	15.56	15.76	16.06	16.64
对应照射距离，改变观察者位置S											
S = 1.0H	0.5/-0.7					3.0/-1.8					
S = 1.5H	1.0/-1.3					4.7/-1.8					
S = 2.0H	2.3/-2.2					6.2/-1.7					
标准表格	BK3					BK2					
更正系数	-1.1					1.8					

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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	8547.80	8513.27	8381.28	8182.53	7966.13	7755.87	7527.96	7303.88	7075.97
30.0	8466.46	8727.37	8428.09	7643.06	6570.27	5494.41	4495.29	3667.29	3038.81
60.0	8550.87	8527.08	7118.18	5371.63	3909.01	3041.11	2527.74	2127.17	1816.38
90.0	8451.11	8560.08	6895.64	4836.00	3476.98	2764.86	2300.59	1939.93	1640.65
120.0	8570.06	8470.30	7005.38	5177.49	3845.32	3006.58	2508.55	2112.59	1791.06
150.0	8517.87	8695.14	8298.40	7441.25	6333.15	5268.80	4311.12	3572.14	2947.49
180.0	8547.80	8480.27	8334.47	8128.81	7902.44	7681.43	7478.85	7260.91	7029.16
210.0	8466.46	7696.78	6658.52	5539.69	4567.42	3770.89	3165.43	2706.54	2297.52
240.0	8550.87	7221.78	5462.18	3996.49	3170.03	2606.78	2198.53	1882.37	1612.26
270.0	8451.11	6721.45	4684.06	3473.91	2754.11	2308.27	1941.46	1655.23	1386.03
300.0	8570.06	7282.40	5525.11	4041.00	3195.35	2618.29	2201.60	1880.84	1611.49
330.0	8517.87	7805.75	6732.19	5664.00	4668.72	3882.92	3214.54	2737.23	2318.24
360.0	8547.80	8513.27	8381.28	8182.53	7966.13	7755.87	7527.96	7303.88	7075.97
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6782.84	6414.50	5927.98	5255.76	4502.19	3688.01	2949.79	2298.29	1773.41
30.0	2519.30	2116.42	1749.62	1481.80	1245.45	1056.68	892.46	752.03	639.22
60.0	1529.76	1289.50	1070.57	893.84	735.22	606.53	509.08	426.58	362.97
90.0	1359.79	1124.21	898.60	734.38	597.02	492.66	410.55	350.38	305.57
120.0	1519.71	1280.52	1063.12	887.24	729.47	602.08	501.17	420.60	361.36
150.0	2456.37	2074.98	1741.18	1467.99	1237.78	1054.37	891.69	753.56	642.29
180.0	6768.26	6396.85	5899.59	5260.36	4540.56	3739.42	2976.65	2332.06	1773.41
210.0	1982.90	1697.44	1463.08	1238.93	1065.50	905.20	774.13	665.24	564.25
240.0	1355.95	1141.86	958.45	788.10	653.04	541.00	453.52	388.29	334.12
270.0	1155.21	941.34	757.86	621.50	508.54	420.22	357.06	311.25	273.42
300.0	1356.72	1142.62	958.45	788.86	654.57	541.00	454.29	388.29	334.81
330.0	1980.60	1703.57	1456.94	1253.97	1071.26	909.95	777.35	667.16	565.10
360.0	6782.84	6414.50	5927.98	5255.76	4502.19	3688.01	2949.79	2298.29	1773.41
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1332.93	1009.87	759.70	581.67	448.15	345.24	272.34	216.86	176.57
30.0	536.40	458.89	389.06	335.27	286.61	248.40	215.86	188.93	166.52
60.0	313.78	277.33	247.02	222.85	203.58	186.55	171.89	158.85	147.49
90.0	269.73	241.80	219.70	202.82	188.08	175.50	163.76	152.71	141.73
120.0	312.86	276.79	246.86	224.15	203.43	187.70	173.50	161.38	149.87
150.0	544.07	461.96	392.13	338.26	289.45	251.16	218.40	191.46	168.90
180.0	1346.59	1024.52	770.60	584.28	451.68	347.54	271.04	214.87	177.19
210.0	486.21	416.38	355.37	305.65	265.51	229.52	202.74	178.57	157.62
240.0	290.76	258.45	231.82	211.11	193.53	177.88	164.68	152.55	140.74
270.0	246.33	223.69	204.66	190.23	176.57	163.99	152.55	141.89	130.53
300.0	291.60	259.22	232.36	211.64	194.07	178.49	165.45	153.63	141.96
330.0	482.68	415.69	353.61	303.57	261.45	227.76	199.44	176.57	155.93
360.0	1332.93	1009.87	759.70	581.67	448.15	345.24	272.34	216.86	176.57
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	151.25	136.29	124.39	115.41	107.51	100.30	94.23	88.40	81.57
30.0	148.03	133.45	120.86	110.96	101.98	93.77	86.33	78.89	71.52
60.0	136.44	126.39	116.18	106.59	96.69	86.56	74.05	61.70	50.42
90.0	131.60	121.25	110.35	98.61	83.80	70.21	58.09	46.81	37.91
120.0	139.20	129.00	118.25	108.97	98.68	88.17	75.36	62.62	51.11
150.0	150.94	135.44	122.55	112.42	103.44	95.31	87.33	79.65	72.36
180.0	151.71	135.60	124.70	115.64	108.12	100.76	94.39	88.25	82.19
210.0	140.81	126.46	115.26	105.74	97.53	89.32	81.65	74.51	66.68
240.0	130.07	119.79	109.66	99.53	89.71	76.74	64.61	52.95	41.90
270.0	120.09	109.43	95.77	80.42	67.22	55.02	44.43	36.37	27.86
300.0	130.91	121.09	110.73	100.37	90.09	76.74	64.54	51.95	41.52
330.0	139.51	126.16	114.42	105.05	96.23	88.63	80.88	73.74	65.99
360.0	151.25	136.29	124.39	115.41	107.51	100.30	94.23	88.40	81.57

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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	74.05	65.84	56.94	49.50	43.28	35.84	24.79	15.81	5.76
30.0	63.77	55.56	45.66	35.07	21.95	10.36	4.37	2.92	2.30
60.0	39.83	29.62	19.34	10.90	8.44	6.75	5.60	4.76	2.69
90.0	29.47	21.79	14.35	11.13	9.67	7.67	7.21	5.68	3.22
120.0	40.29	29.77	19.57	11.05	8.52	6.83	5.68	4.91	2.76
150.0	64.31	55.79	45.89	35.15	22.18	10.59	4.45	2.99	2.30
180.0	74.82	65.30	56.63	49.19	42.82	35.07	24.56	15.65	6.22
210.0	58.40	48.73	38.37	25.86	13.51	5.53	3.61	2.61	1.30
240.0	31.85	22.18	12.43	8.90	7.37	5.68	5.14	3.30	1.07
270.0	20.03	13.12	10.74	9.29	7.37	7.21	5.45	3.15	0.61
300.0	31.16	21.87	12.05	8.75	7.29	5.76	5.06	3.22	0.92
330.0	57.40	47.65	36.99	25.09	12.82	5.22	3.61	2.69	1.23
360.0	74.05	65.84	56.94	49.50	43.28	35.84	24.79	15.81	5.76

C/γ(°)	90.0
0.0	0.23
30.0	0.46
60.0	0.69
90.0	0.92
120.0	0.77
150.0	0.54
180.0	0.23
210.0	0.15
240.0	0.08
270.0	0.08
300.0	0.15
330.0	0.15
360.0	0.23