

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F2021A-16-UN (60-OL-16WN-C, P1)

报告编号:

电压(V): 220.7000

测试编号: 20210317012

电流(A): 0.1100

光源规格型号: OL

功率(W): 19.5000

每个光源光通量(lm)

功率因数: 0.8030

光源数量: 16

镇流器型号:

发光面长度(mm): 155

发光面宽度(mm): 155

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1637.03

灯具效能(lm/w): 83.95

中心光强(cd): 1633.744

最大光强(cd): 1647.556

最大光强角度: C=210.0 γ =2.0

半峰边角(50%Imax): [C0/180]Total=53.0

[C90/270]Total=53.2

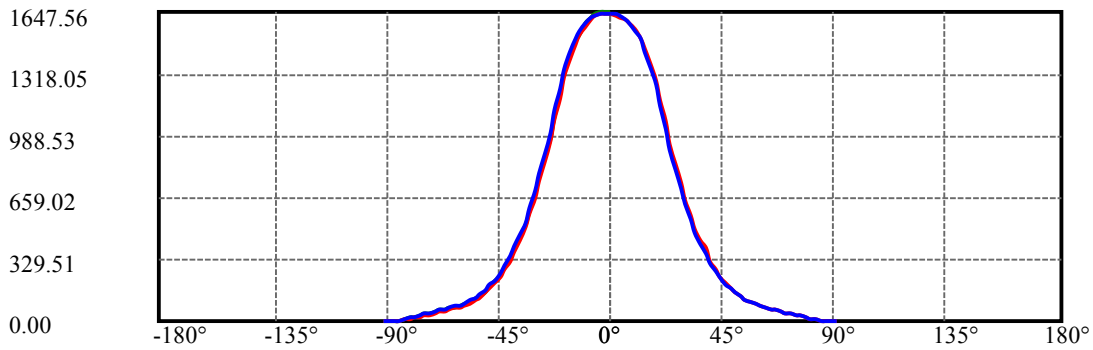
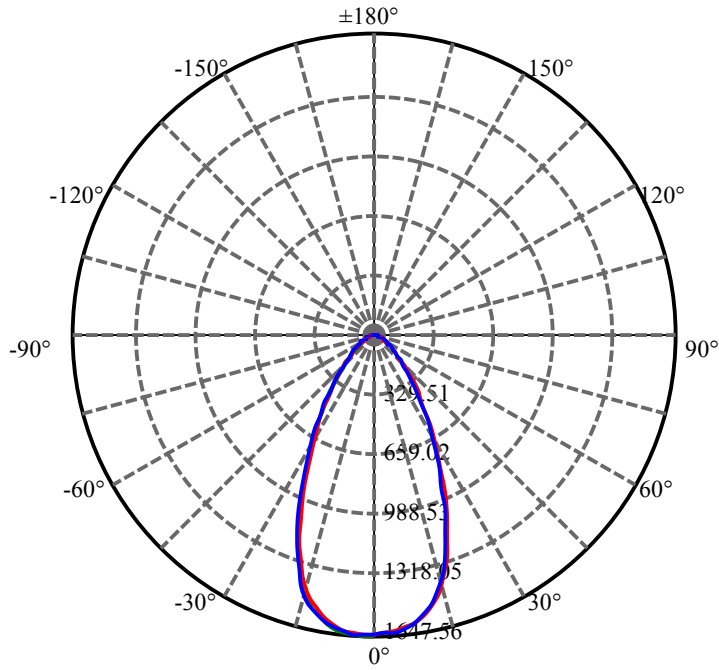
光束扩散角(10%Imax): [C0/180]Total=98.0

[C90/270]Total=98.8

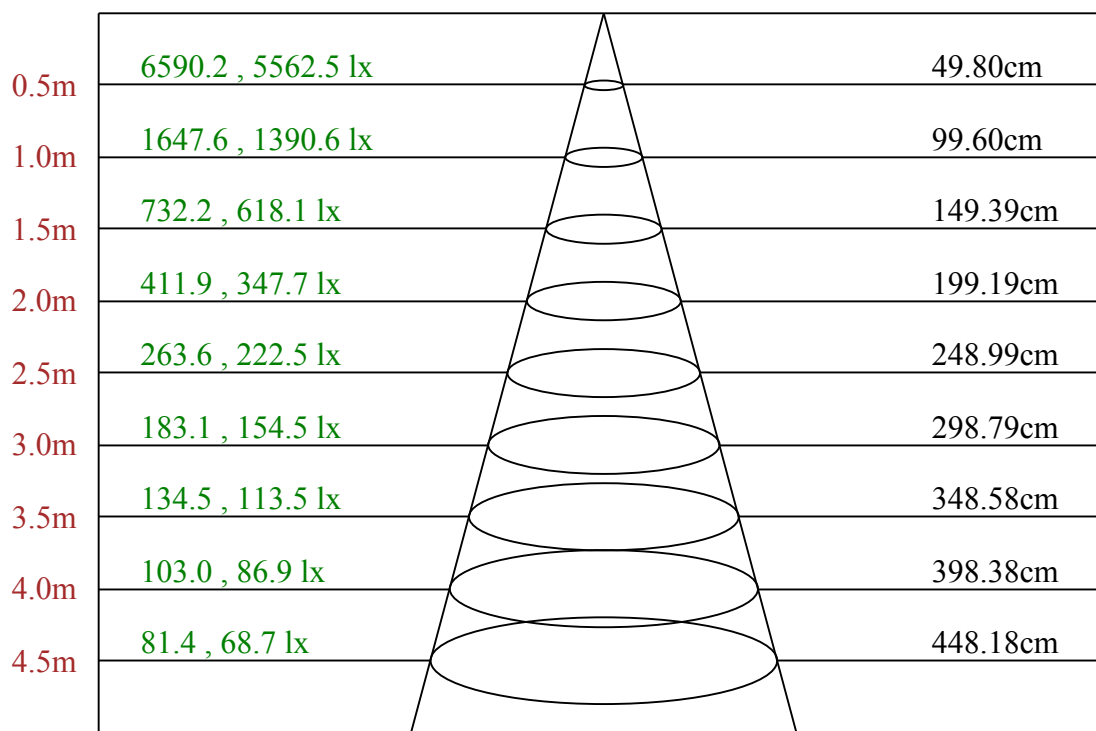
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

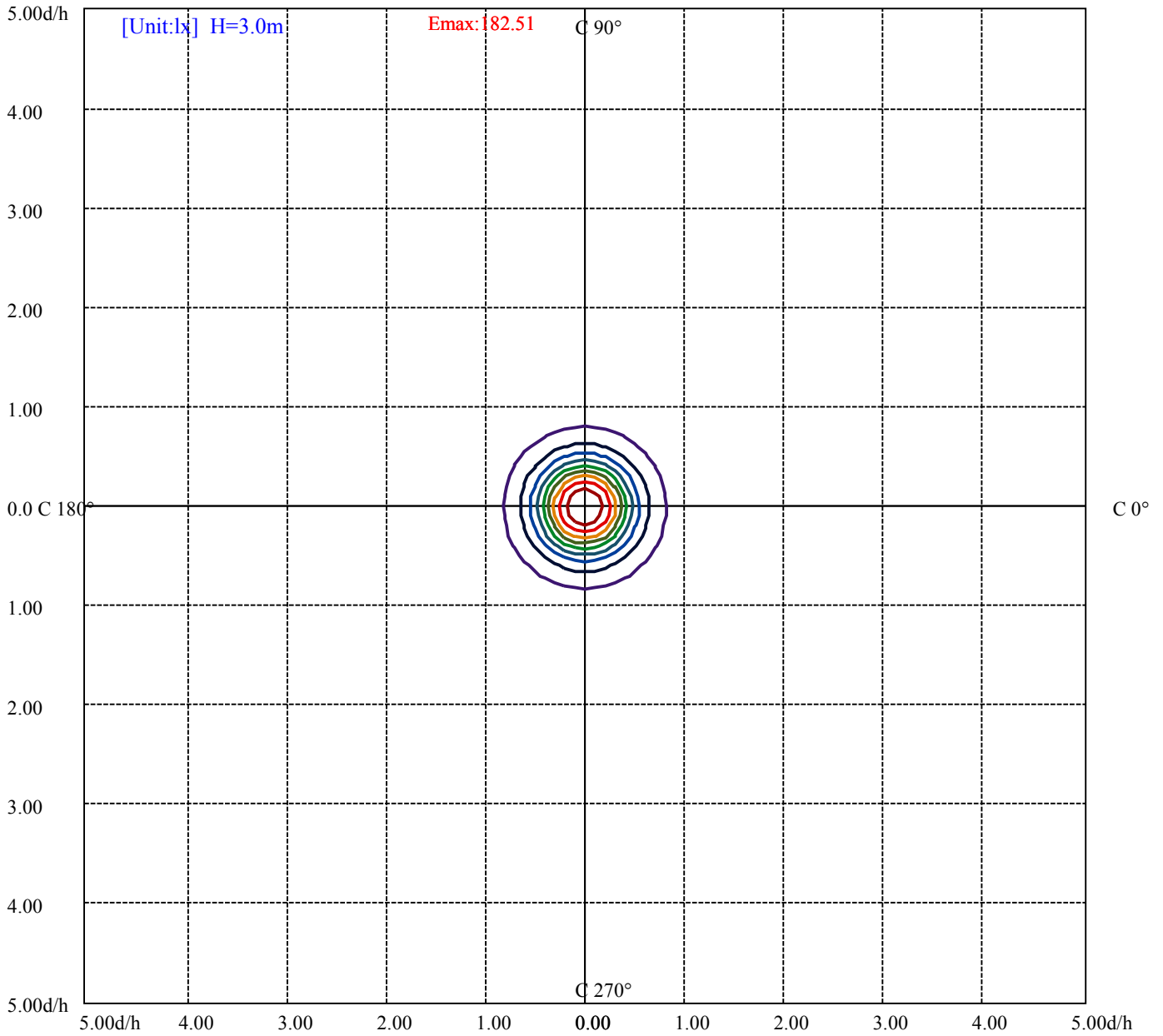


C210(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C210面光束角52.94

ROLED 投光灯
平面等照度曲线



(10%Emax) 18.25078	——
(20%Emax) 36.50156	——
(30%Emax) 54.75222	——
(40%Emax) 73.003	——
(50%Emax) 91.25378	——
(60%Emax) 109.5046	——
(70%Emax) 127.7556	——
(80%Emax) 146.0056	——
(90%Emax) 164.2567	——

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灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

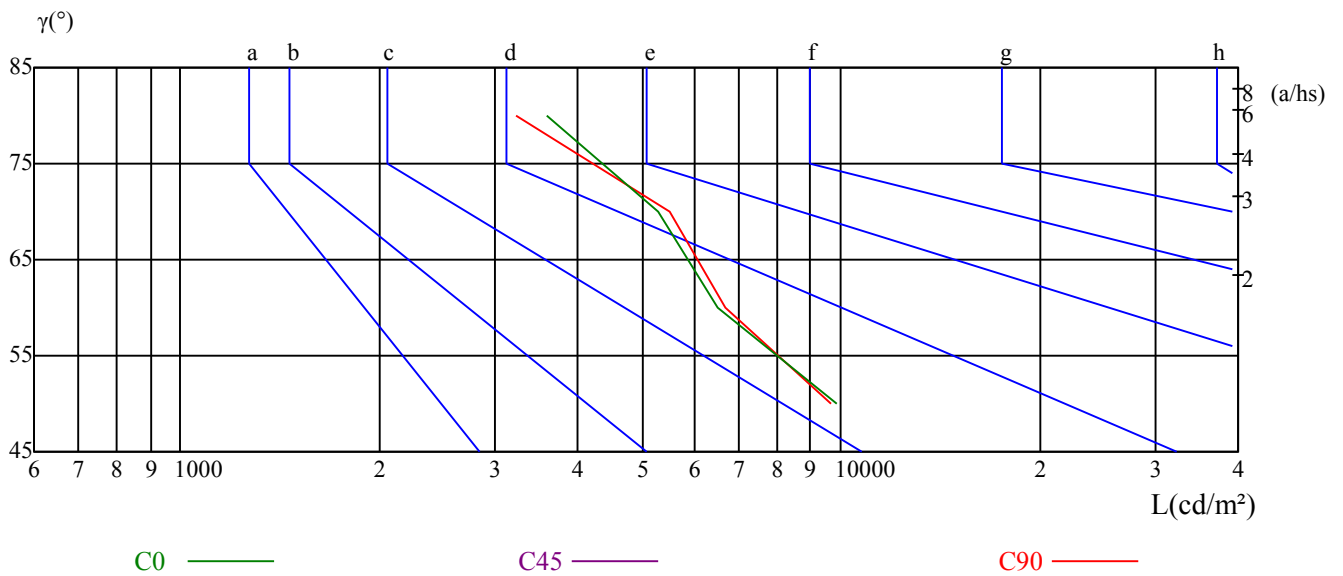
γ	45	50	55	60	65	70	75	80	85
C0	0	9844	0	6516	0	5286	0	3587	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9685	0	6708	0	5491	0	3219	0

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



测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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	14.57	15.77	14.93	16.09	16.40	14.25	15.46	14.61	15.77	16.08
	3H	15.98	17.05	16.36	17.38	17.75	15.60	16.67	15.98	17.00	17.37
	4H	16.47	17.47	16.87	17.82	18.20	16.07	17.07	16.48	17.42	17.81
	6H	16.73	17.64	17.14	18.01	18.41	16.32	17.23	16.73	17.61	18.00
	8H	16.76	17.62	17.19	18.01	18.42	16.34	17.21	16.78	17.60	18.01
	12H	16.76	17.58	17.19	17.97	18.40	16.34	17.16	16.77	17.55	17.98
4H	2H	15.03	16.02	15.43	16.37	16.76	14.77	15.77	15.17	16.12	16.50
	3H	16.70	17.51	17.11	17.92	18.32	16.38	17.20	16.80	17.61	18.01
	4H	17.31	18.04	17.74	18.46	18.90	16.97	17.70	17.40	18.12	18.56
	6H	17.59	18.22	18.06	18.67	19.13	17.24	17.87	17.71	18.31	18.78
	8H	17.63	18.22	18.11	18.67	19.14	17.28	17.86	17.75	18.31	18.78
	12H	17.63	18.15	18.12	18.63	19.11	17.27	17.78	17.76	18.27	18.74
8H	4H	17.49	18.08	17.96	18.52	19.00	17.19	17.77	17.66	18.22	18.69
	6H	17.86	18.33	18.36	18.83	19.31	17.54	18.01	18.04	18.51	18.99
	8H	17.93	18.35	18.46	18.87	19.36	17.61	18.03	18.13	18.55	19.04
	12H	18.50	18.87	19.02	19.37	19.94	18.17	18.54	18.69	19.04	19.61
12H	4H	17.47	17.98	17.96	18.47	18.94	17.18	17.69	17.66	18.17	18.65
	6H	18.33	18.27	18.38	18.74	19.29	18.02	17.96	18.07	18.43	18.98
	8H	17.95	18.32	18.47	18.81	19.39	17.63	18.00	18.15	18.50	19.07
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.1					0.8/-1.1					
S = 1.5H	1.6/-1.5					1.7/-1.5					
S = 2.0H	3.4/-1.8					3.4/-1.8					
标准表格	BK2					BK3					
更正系数	1.4					2.1					

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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	1633.74	1627.60	1619.93	1606.12	1584.63	1552.40	1508.66	1453.41	1375.91
30.0	1643.72	1637.58	1627.60	1614.56	1587.70	1552.40	1506.36	1443.43	1362.09
60.0	1641.42	1634.51	1625.30	1610.72	1581.56	1528.61	1497.61	1435.07	1340.07
90.0	1637.58	1632.21	1625.30	1610.72	1584.63	1547.03	1500.99	1434.99	1355.19
120.0	1636.05	1632.98	1629.14	1613.02	1586.17	1546.26	1503.29	1434.99	1351.20
150.0	1633.74	1636.05	1633.74	1623.77	1600.75	1563.14	1518.64	1455.71	1375.91
180.0	1633.74	1636.05	1633.74	1624.53	1602.28	1567.75	1527.92	1472.67	1391.87
210.0	1643.72	1647.56	1644.49	1636.05	1616.09	1583.10	1528.08	1489.48	1410.13
240.0	1641.42	1644.49	1642.95	1637.58	1621.47	1594.61	1553.17	1500.22	1425.78
270.0	1637.58	1639.88	1636.81	1629.91	1613.79	1586.17	1546.26	1504.29	1430.54
300.0	1636.05	1636.05	1631.44	1624.53	1606.12	1576.19	1537.05	1487.94	1417.34
330.0	1633.74	1629.91	1624.53	1613.02	1591.54	1558.54	1522.70	1464.69	1393.55
360.0	1633.74	1627.60	1619.93	1606.12	1584.63	1552.40	1508.66	1453.41	1375.91
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1283.05	1176.39	1065.89	943.11	836.44	735.15	646.90	566.32	491.12
30.0	1265.40	1154.90	1035.96	926.22	818.02	718.26	632.32	550.98	481.91
60.0	1247.14	1132.49	1019.23	904.81	798.07	704.14	615.67	535.78	465.57
90.0	1256.19	1142.62	1022.91	914.71	805.74	709.82	625.41	545.60	474.24
120.0	1251.97	1147.76	1029.05	916.48	809.81	714.50	625.49	544.84	477.85
150.0	1278.45	1169.48	1058.21	945.41	837.97	738.22	652.27	568.63	497.26
180.0	1298.63	1190.35	1072.02	958.07	846.11	743.59	657.41	572.62	497.49
210.0	1317.12	1210.15	1087.76	971.65	868.98	763.85	672.45	587.04	508.46
240.0	1337.54	1237.78	1124.21	1009.10	898.60	792.70	695.24	612.37	532.56
270.0	1340.22	1237.85	1125.51	1005.49	891.38	783.87	696.24	607.61	526.11
300.0	1332.16	1234.71	1120.37	1001.43	896.30	791.93	693.71	612.37	532.56
330.0	1300.55	1195.11	1082.00	966.51	857.01	754.33	667.46	582.82	508.85
360.0	1283.05	1176.39	1065.89	943.11	836.44	735.15	646.90	566.32	491.12
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	428.20	389.83	321.07	275.79	238.73	204.20	176.50	152.02	130.45
30.0	418.99	364.20	314.47	272.65	234.89	202.13	175.96	151.86	132.07
60.0	408.09	353.07	305.57	265.21	228.91	197.45	170.66	149.41	130.07
90.0	414.38	359.29	309.56	269.43	231.98	199.44	173.04	149.56	129.53
120.0	414.77	358.29	309.18	268.43	231.36	199.21	172.97	149.25	130.45
150.0	431.27	389.83	322.22	279.79	240.34	206.12	177.80	152.86	131.91
180.0	430.80	372.94	320.76	278.48	238.35	203.66	173.96	149.25	127.69
210.0	446.23	386.45	332.50	287.00	248.02	212.18	184.25	158.39	135.90
240.0	465.80	404.41	350.38	301.66	262.60	225.38	193.76	168.44	145.26
270.0	459.43	398.04	344.94	297.59	256.15	219.32	190.16	163.91	141.27
300.0	461.19	400.57	349.62	300.89	260.91	224.30	192.92	166.90	145.57
330.0	442.39	383.53	330.36	285.92	247.56	212.26	184.86	159.38	137.28
360.0	428.20	389.83	321.07	275.79	238.73	204.20	176.50	152.02	130.45
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	112.96	99.30	87.94	78.27	70.98	63.31	56.40	50.03	43.43
30.0	114.80	101.83	91.16	83.18	75.82	69.22	63.08	56.48	49.73
60.0	114.72	102.14	92.01	83.72	75.97	69.75	63.31	56.71	49.57
90.0	113.19	100.99	89.63	80.57	72.98	65.69	59.16	52.10	45.12
120.0	113.73	101.75	91.39	83.26	75.28	68.60	62.39	55.56	48.50
150.0	114.88	102.21	91.39	82.88	75.66	69.06	63.23	56.25	49.73
180.0	110.12	97.07	85.56	76.12	68.22	61.01	54.33	47.96	41.75
210.0	118.25	104.21	92.32	83.26	76.20	69.14	62.85	56.56	49.80
240.0	126.39	111.50	99.30	88.79	81.42	74.13	67.45	61.16	54.33
270.0	124.08	108.97	96.61	85.95	77.58	69.83	62.92	56.40	49.19
300.0	126.69	111.88	99.76	89.78	81.80	73.90	68.07	61.85	55.17
330.0	120.32	105.90	94.16	85.18	78.04	71.14	64.92	58.78	51.87
360.0	112.96	99.30	87.94	78.27	70.98	63.31	56.40	50.03	43.43

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光强数据表(cd)

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C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	37.06	32.46	27.40	21.41	14.96	8.59	2.30	1.46	0.69
30.0	42.97	35.45	30.16	23.40	15.19	9.06	2.92	1.07	0.54
60.0	42.28	35.30	28.85	20.80	13.20	7.29	1.69	1.00	0.38
90.0	38.98	32.61	26.78	19.18	13.43	5.99	1.69	1.07	0.38
120.0	41.28	35.30	28.32	20.26	12.74	6.14	1.53	1.00	0.31
150.0	42.28	35.22	28.93	21.72	13.97	8.06	2.07	0.77	0.31
180.0	35.61	30.93	25.48	18.72	12.89	6.52	1.76	1.07	0.38
210.0	43.13	36.07	30.62	24.10	15.65	9.44	3.53	1.07	0.54
240.0	47.65	40.36	33.76	26.78	18.72	11.66	5.14	1.38	0.69
270.0	42.51	36.37	30.08	23.71	16.96	10.51	4.22	1.61	0.84
300.0	48.19	41.21	34.76	27.78	19.88	11.82	5.83	1.61	0.92
330.0	45.43	37.45	31.46	25.17	17.34	10.59	4.30	1.30	0.61
360.0	37.06	32.46	27.40	21.41	14.96	8.59	2.30	1.46	0.69

C/γ(°)	90.0
0.0	0.15
30.0	0.08
60.0	0.15
90.0	0.08
120.0	0.08
150.0	0.15
180.0	0.08
210.0	0.15
240.0	0.31
270.0	0.31
300.0	0.23
330.0	0.15
360.0	0.15