

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (20-XL-9RGBWN-C, CT)

报告编号:

电压(V):

测试编号: 20210223009

电流(A):

光源规格型号: XL

功率(W): 36.1000

每个光源光通量(lm)

功率因数:

光源数量: 9

镇流器型号:

发光面长度(mm): 156

发光面宽度(mm): 156

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 2086.20

灯具效能(lm/w): 57.79

中心光强(cd): 9410.332

最大光强(cd): 9451.003

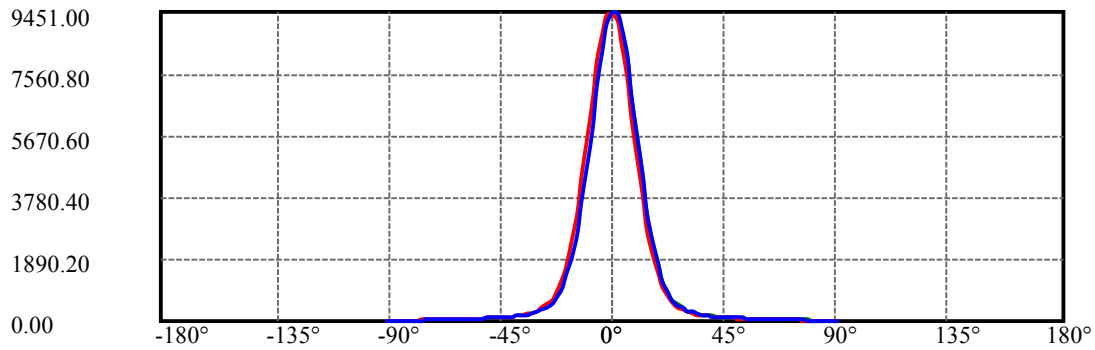
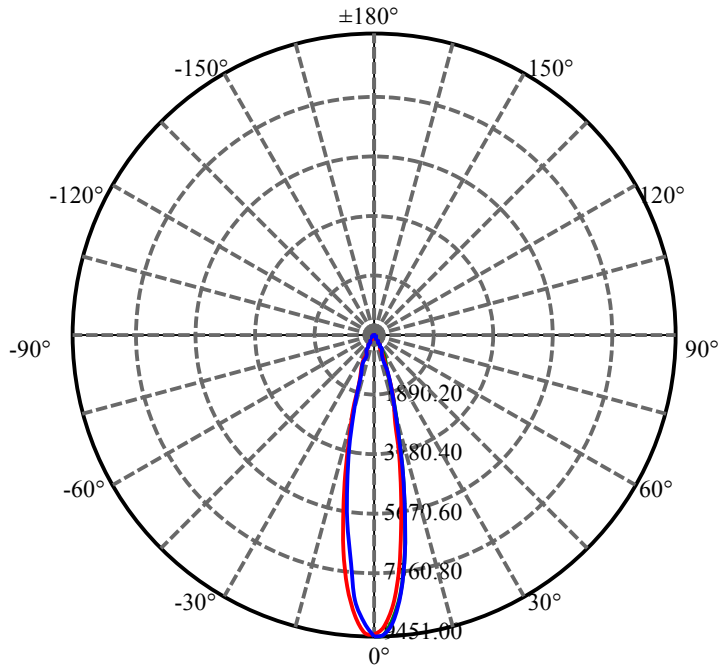
最大光强角度: C=60.0  $\gamma$ =0.0

半峰边角(50%Imax): [C0/180]Total=22.0

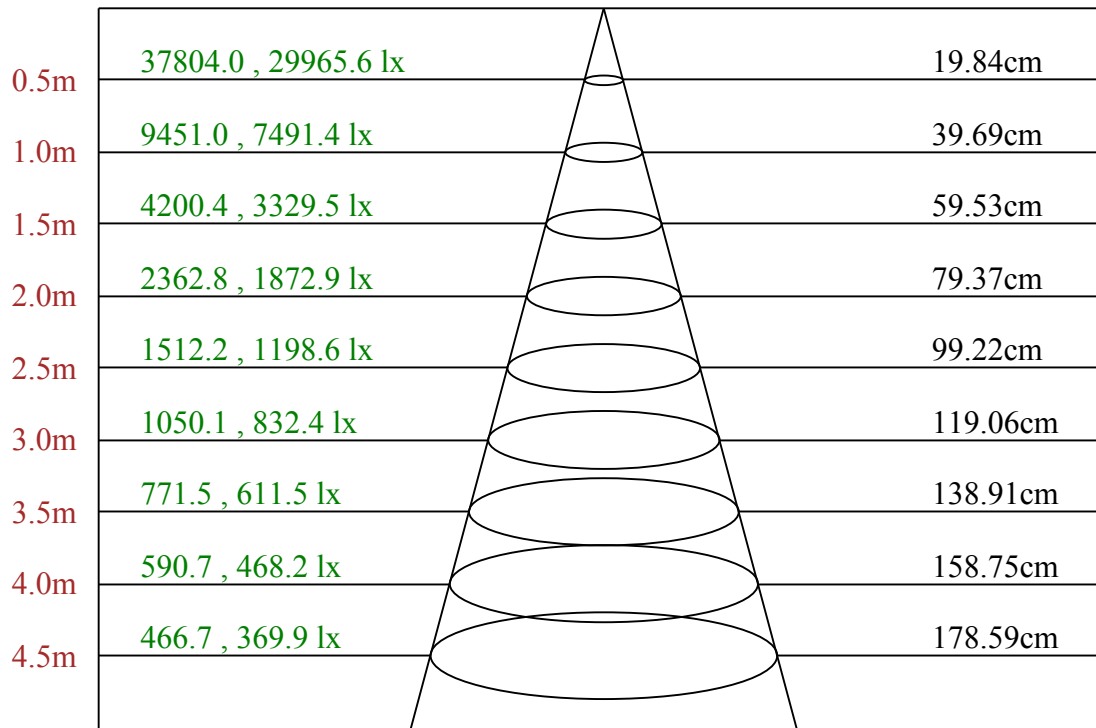
[C90/270]Total=21.7

光束扩散角(10%Imax): [C0/180]Total=42.5

[C90/270]Total=41.9

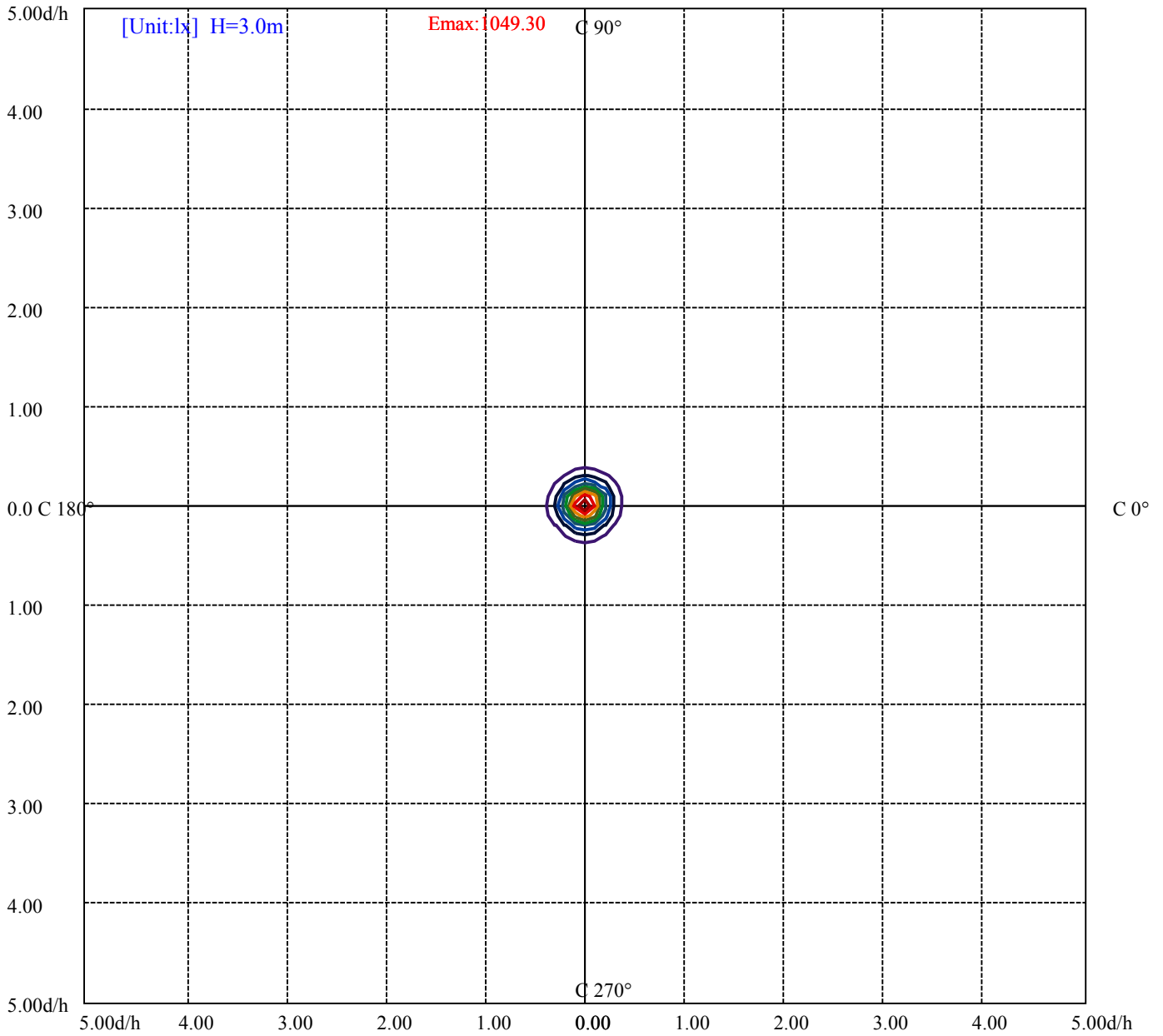


C60(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C60面光束角22.45

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平面等照度曲线



- (10%Emax) 104.9301
- (20%Emax) 209.86
- (30%Emax) 314.79
- (40%Emax) 419.72
- (50%Emax) 524.6511
- (60%Emax) 629.5811
- (70%Emax) 734.5111
- (80%Emax) 839.4412
- (90%Emax) 944.3711

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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

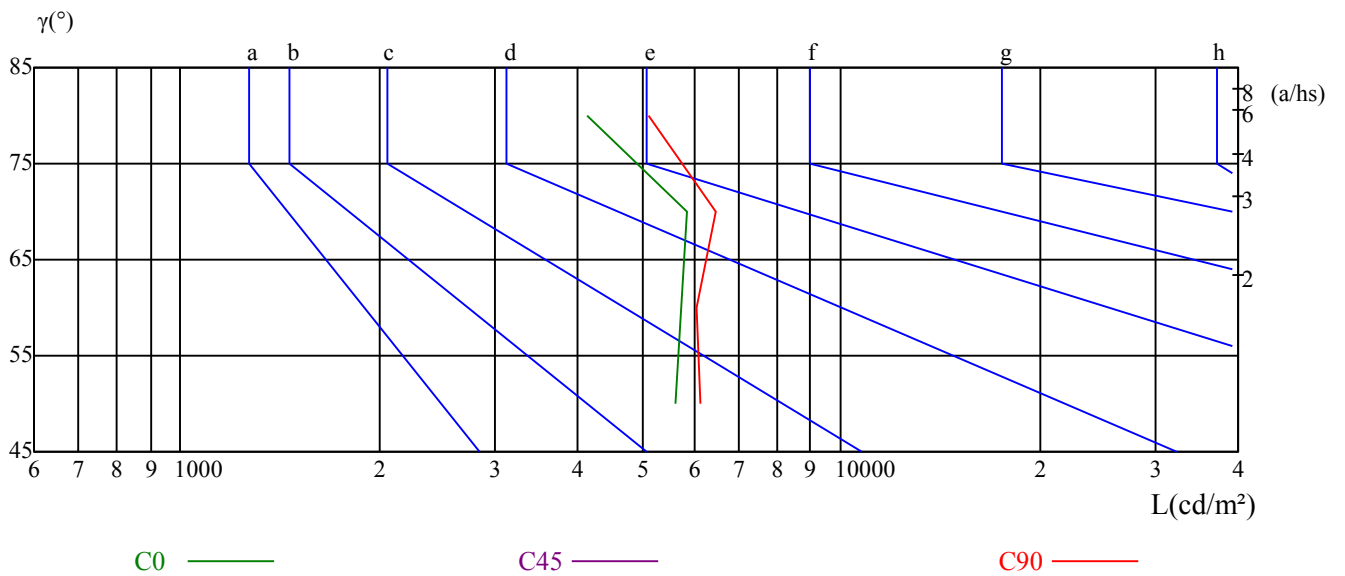
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	5602	0	5720	0	5854	0	4122	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6152	0	6054	0	6454	0	5121	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
2041	2279	0	1432	1962	0	651	615	0

眩光等级表

眩光等级	质量等级	使用照度(lx)							
		a	b	c	d	e	f	g	h
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

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	11.23	12.30	11.59	12.61	12.92	11.17	12.24	11.54	12.55	12.87
	3H	13.51	14.45	13.89	14.79	15.15	13.42	14.37	13.80	14.70	15.07
	4H	14.27	15.15	14.67	15.50	15.89	14.15	15.03	14.56	15.39	15.77
	6H	14.73	15.54	15.15	15.91	16.31	14.60	15.40	15.01	15.78	16.17
	8H	14.84	15.60	15.27	15.99	16.40	14.70	15.46	15.13	15.85	16.26
	12H	14.93	15.65	15.36	16.04	16.47	14.78	15.50	15.21	15.89	16.32
4H	2H	12.00	12.88	12.41	13.23	13.62	11.96	12.84	12.37	13.19	13.58
	3H	14.46	15.19	14.88	15.60	16.00	14.40	15.12	14.81	15.53	15.93
	4H	15.34	15.99	15.77	16.41	16.86	15.24	15.89	15.68	16.31	16.76
	6H	15.80	16.36	16.27	16.81	17.28	15.69	16.24	16.16	16.69	17.16
	8H	15.94	16.46	16.41	16.91	17.38	15.81	16.33	16.29	16.78	17.26
	12H	16.02	16.47	16.51	16.96	17.44	15.89	16.34	16.38	16.83	17.30
8H	4H	15.64	16.16	16.12	16.61	17.08	15.56	16.08	16.03	16.53	17.00
	6H	16.24	16.65	16.75	17.15	17.64	16.14	16.55	16.64	17.05	17.53
	8H	16.44	16.80	16.97	17.32	17.82	16.32	16.69	16.85	17.21	17.71
	12H	17.02	17.33	17.54	17.83	18.41	16.91	17.22	17.43	17.72	18.30
12H	4H	15.64	16.09	16.13	16.58	17.05	15.56	16.01	16.05	16.50	16.97
	6H	16.62	16.64	16.80	17.11	17.66	16.52	16.54	16.70	17.01	17.56
	8H	16.51	16.82	17.03	17.32	17.90	16.40	16.72	16.92	17.21	17.79
对应照射距离，改变观察者位置S											
S = 1.0H	0.2/-0.7					0.3/-0.6					
S = 1.5H	0.8/-0.6					0.8/-0.6					
S = 2.0H	0.8/-0.6					0.8/-0.7					
标准表格	BKBF					BK4					
更正系数	3.6					0.4					

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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	9410.33	9135.61	8429.63	7396.74	6220.35	4985.64	3841.48	2828.55	2081.12
30.0	9436.42	9427.98	9032.78	8243.92	7122.78	5942.56	4687.90	3557.56	2668.93
60.0	9451.00	9387.31	8885.45	8027.52	6871.85	5665.54	4419.32	3323.51	2424.91
90.0	9422.61	9391.92	8980.60	8106.56	6919.43	5654.03	4461.52	3355.74	2493.97
120.0	9427.21	9325.92	8850.15	7914.72	6719.91	5439.16	4278.89	3198.42	2328.99
150.0	9404.19	9357.38	8932.26	8048.24	6886.43	5721.56	4495.29	3440.91	2501.65
180.0	9410.33	9316.71	8810.24	7899.37	6818.90	5578.82	4424.69	3348.06	2444.86
210.0	9436.42	9039.69	8282.29	7205.66	5942.56	4778.45	3653.48	2695.79	1959.11
240.0	9451.00	9147.89	8421.95	7387.53	6148.22	4968.76	3830.74	2836.99	2068.85
270.0	9422.61	9065.01	8305.31	7184.17	5919.54	4754.66	3635.06	2675.84	1923.04
300.0	9427.21	9149.42	8471.83	7397.51	6209.61	4936.53	3854.53	2818.57	2034.31
330.0	9404.19	9046.60	8326.03	7227.15	5982.46	4803.77	3658.85	2699.63	1918.44
360.0	9410.33	9135.61	8429.63	7396.74	6220.35	4985.64	3841.48	2828.55	2081.12
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1478.73	1040.56	765.84	571.70	437.40	349.08	287.00	238.27	203.51
30.0	1917.67	1360.56	976.87	726.71	547.91	428.96	349.00	286.39	238.50
60.0	1765.73	1261.34	898.44	667.00	506.32	402.64	322.84	269.43	226.68
90.0	1765.73	1240.08	882.48	651.50	491.89	389.06	320.69	266.51	225.46
120.0	1527.31	1151.22	820.33	609.45	463.04	364.04	299.12	250.86	214.56
150.0	1754.22	1246.22	871.74	645.36	487.28	390.59	312.25	258.15	220.54
180.0	1646.79	1263.18	902.74	658.95	505.16	393.20	317.69	259.99	221.24
210.0	1428.32	1019.61	759.24	567.48	438.10	355.53	290.15	241.19	204.74
240.0	1501.76	1058.98	778.12	580.14	442.78	355.99	295.21	245.64	209.49
270.0	1380.74	973.26	721.18	539.77	418.37	338.87	283.16	236.20	201.82
300.0	1425.02	996.82	732.08	537.93	418.22	335.88	278.79	232.98	199.06
330.0	1371.45	964.67	715.12	526.65	413.46	333.35	273.49	230.60	196.68
360.0	1478.73	1040.56	765.84	571.70	437.40	349.08	287.00	238.27	203.51
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	174.04	150.18	132.14	118.48	107.59	99.53	93.24	87.63	83.64
30.0	203.12	174.27	152.63	135.29	120.94	110.12	101.68	94.54	88.79
60.0	195.07	168.21	147.18	131.45	118.25	108.20	99.91	93.54	87.87
90.0	192.00	165.29	144.80	130.15	118.79	109.66	102.52	96.23	91.24
120.0	181.95	158.85	139.82	125.01	113.11	103.83	96.54	90.01	85.18
150.0	188.47	162.76	142.89	127.62	115.26	106.05	97.92	91.24	85.87
180.0	186.78	161.69	140.97	124.85	113.11	103.90	96.38	90.32	85.64
210.0	177.11	153.78	136.06	122.09	110.73	102.14	94.62	89.02	84.41
240.0	181.41	157.01	137.97	123.24	111.73	102.75	95.39	89.55	84.80
270.0	174.35	152.02	136.52	122.40	111.19	102.60	95.54	90.09	85.49
300.0	173.50	151.56	134.60	120.56	109.43	100.53	93.70	87.71	83.03
330.0	170.36	149.18	133.06	119.02	108.51	99.84	92.24	86.87	82.42
360.0	174.04	150.18	132.14	118.48	107.59	99.53	93.24	87.63	83.64
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	80.27	76.74	73.36	69.60	65.99	62.39	58.40	53.72	48.73
30.0	84.18	80.42	77.12	74.82	72.67	70.14	67.07	63.16	58.01
60.0	83.49	79.65	76.51	74.13	71.98	69.75	66.46	62.23	57.02
90.0	86.87	82.34	78.04	73.67	69.60	66.07	62.62	58.55	53.72
120.0	80.96	77.58	74.13	71.44	69.29	67.07	63.62	59.17	54.18
150.0	81.73	77.97	74.67	71.83	69.37	67.22	64.08	59.78	54.48
180.0	81.65	78.27	75.05	71.37	67.61	63.92	60.39	55.87	51.18
210.0	80.65	77.28	74.82	72.59	70.22	67.38	63.08	58.24	52.57
240.0	80.81	77.35	74.74	72.98	71.06	68.30	64.38	59.09	53.72
270.0	81.27	77.12	73.13	69.22	65.92	62.46	58.55	54.33	49.19
300.0	79.19	75.82	72.82	70.29	68.37	65.99	62.39	57.40	52.26
330.0	78.50	75.28	72.59	70.06	67.99	65.46	61.47	56.86	51.49
360.0	80.27	76.74	73.36	69.60	65.99	62.39	58.40	53.72	48.73

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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	41.67	34.84	28.85	22.79	17.42	12.43	6.52	1.23	0.38
30.0	52.18	46.27	38.98	31.08	24.17	17.96	12.20	5.37	0.77
60.0	51.18	45.05	37.76	30.39	23.41	17.27	10.90	4.53	0.46
90.0	47.73	40.44	33.53	27.32	21.64	15.89	10.82	4.76	0.38
120.0	48.65	43.13	35.84	28.47	21.87	16.12	9.98	3.61	0.31
150.0	48.96	43.43	35.99	28.85	22.18	16.35	10.13	3.76	0.38
180.0	44.43	37.22	31.08	25.17	19.57	14.43	9.06	3.53	0.38
210.0	46.58	38.45	30.85	23.87	17.73	12.05	5.22	0.46	0.15
240.0	47.73	41.29	33.61	26.32	19.34	13.12	6.45	1.15	0.15
270.0	42.05	34.76	29.01	22.64	17.04	12.43	5.91	0.54	0.31
300.0	46.50	40.21	32.84	25.86	19.34	13.66	7.37	2.07	0.31
330.0	45.51	39.21	31.85	24.71	18.34	12.89	6.83	1.61	0.38
360.0	41.67	34.84	28.85	22.79	17.42	12.43	6.52	1.23	0.38
C/γ(°)	90.0								
0.0	0.15								
30.0	0.23								
60.0	0.23								
90.0	0.15								
120.0	0.15								
150.0	0.08								
180.0	0.08								
210.0	0.08								
240.0	0.15								
270.0	0.08								
300.0	0.08								
330.0	0.15								
360.0	0.15								