

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1214A1-18-36DC-RC-Y(60-CL-18RGBWN-AJ, CT)

报告编号:

电压(V): 35.8000

测试编号: 20210419004

电流(A): 0.8870

光源规格型号: CL

功率(W): 31.8000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 18

镇流器型号:

发光面长度(mm): 162

发光面宽度(mm): 162

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1552.77

灯具效能(lm/w): 48.83

中心光强(cd): 1493.467

最大光强(cd): 1526.234

最大光强角度: $C=30.0$ $\gamma=6.0$

半峰边角(50%Imax): [C0/180]Total=55.5

[C90/270]Total=55.4

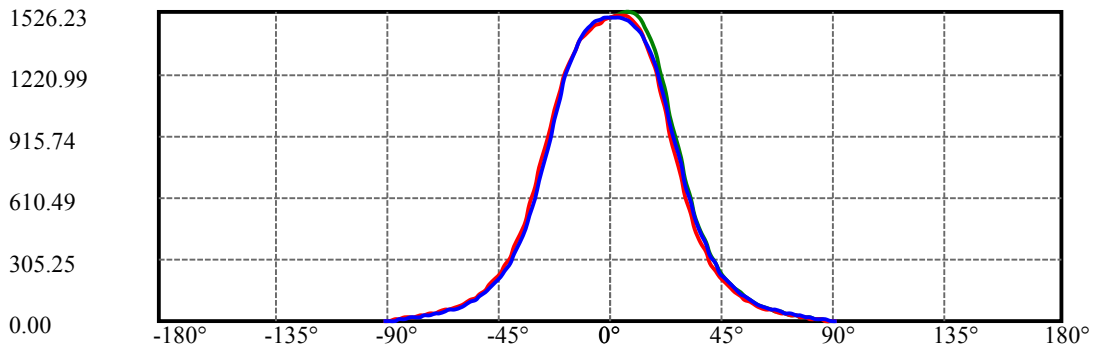
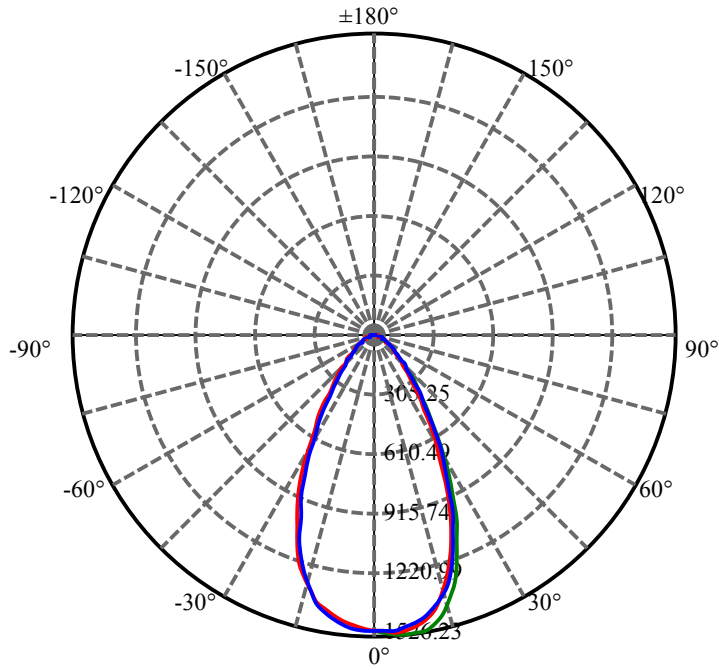
光束扩散角(10%Imax): [C0/180]Total=99.6

[C90/270]Total=99.9

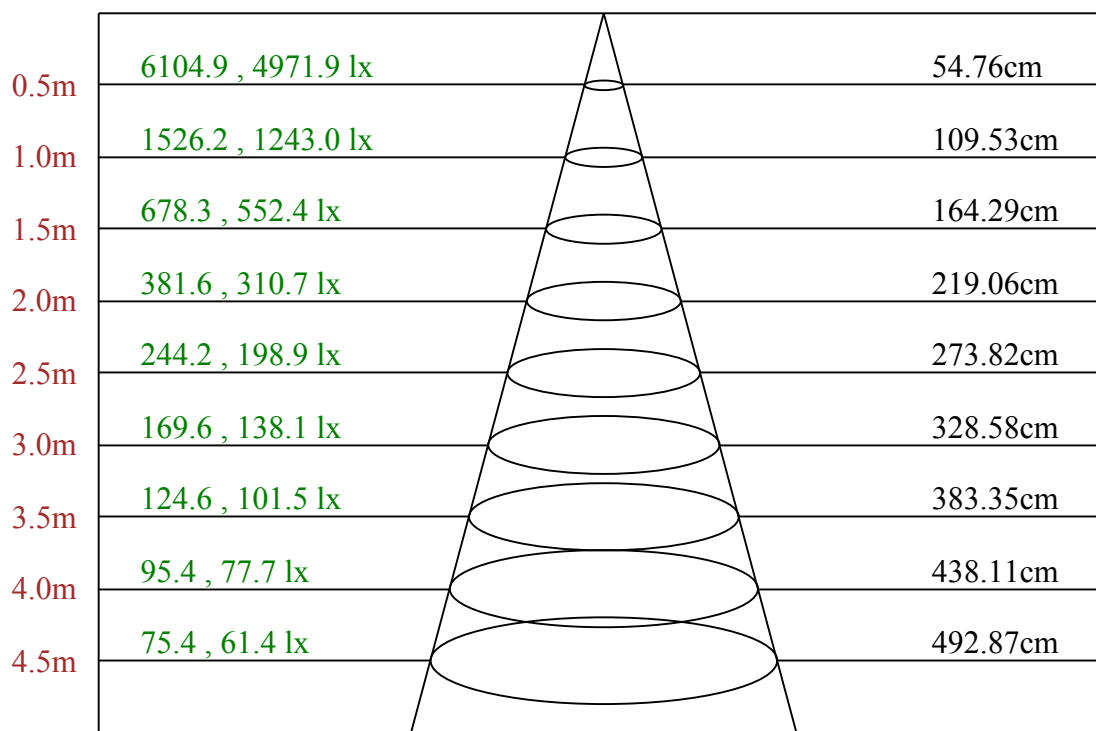
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/19
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

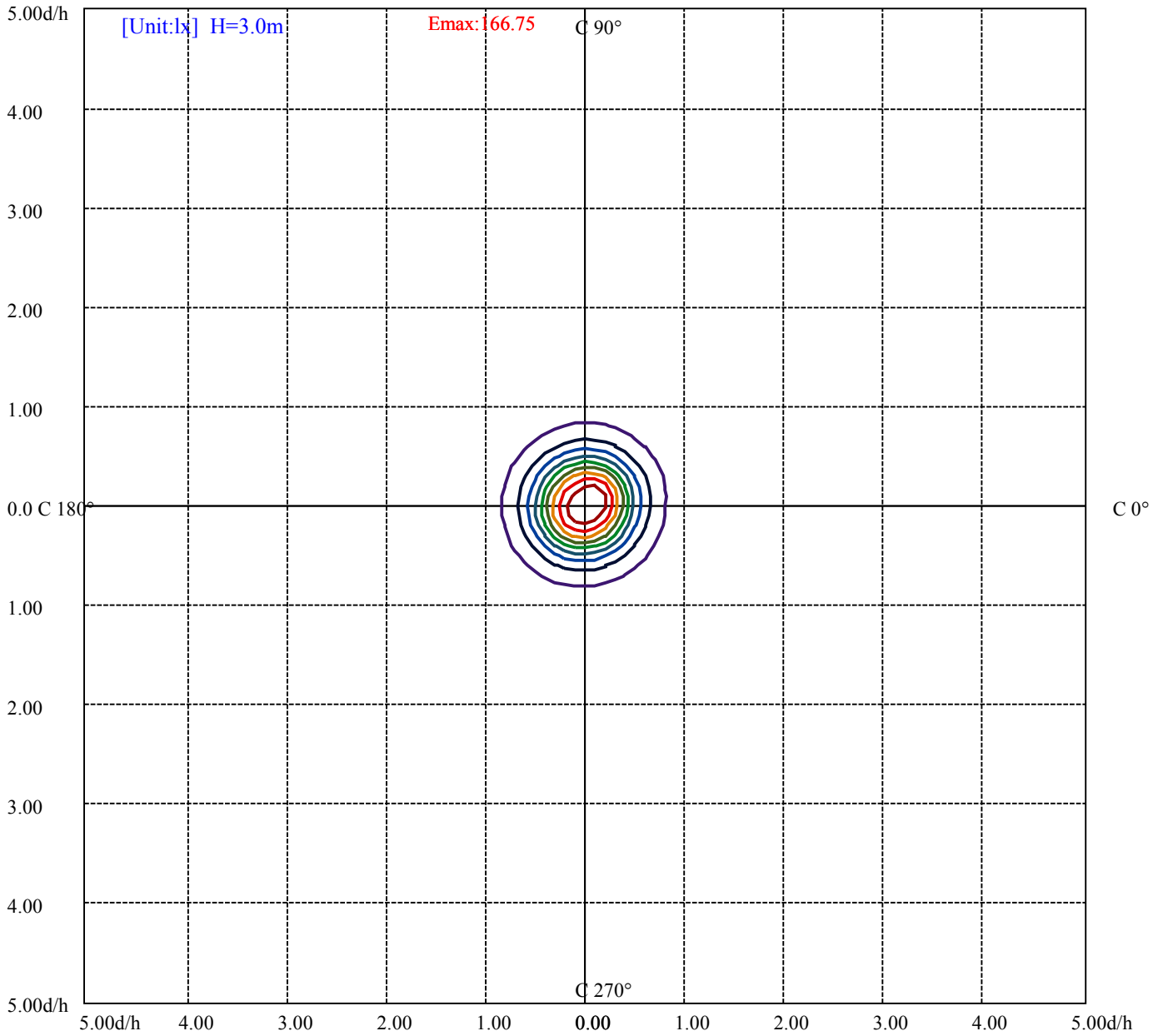


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角57.41

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平面等照度曲线



(10%Emax) 16.67511	—
(20%Emax) 33.35022	—
(30%Emax) 50.02522	—
(40%Emax) 66.70033	—
(50%Emax) 83.37545	—
(60%Emax) 100.0506	—
(70%Emax) 116.7256	—
(80%Emax) 133.4011	—
(90%Emax) 150.0756	—

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测试人员: anpeilou
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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

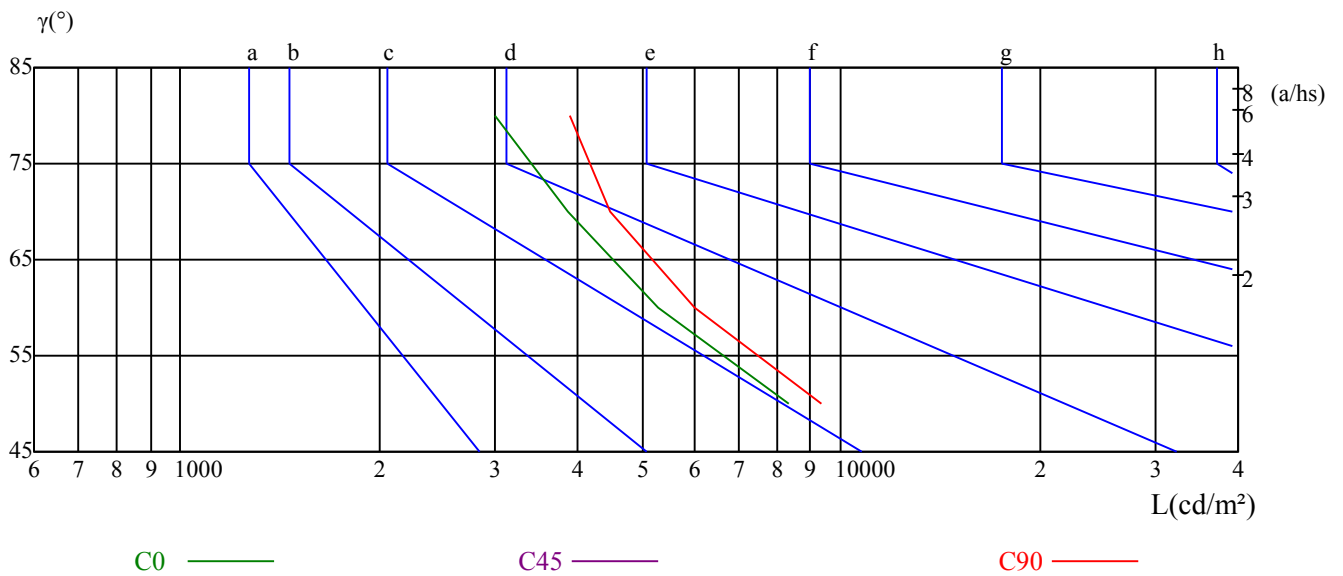
γ	45	50	55	60	65	70	75	80	85
C0	0	8334	0	5298	0	3864	0	2997	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9325	0	5994	0	4463	0	3890	0

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

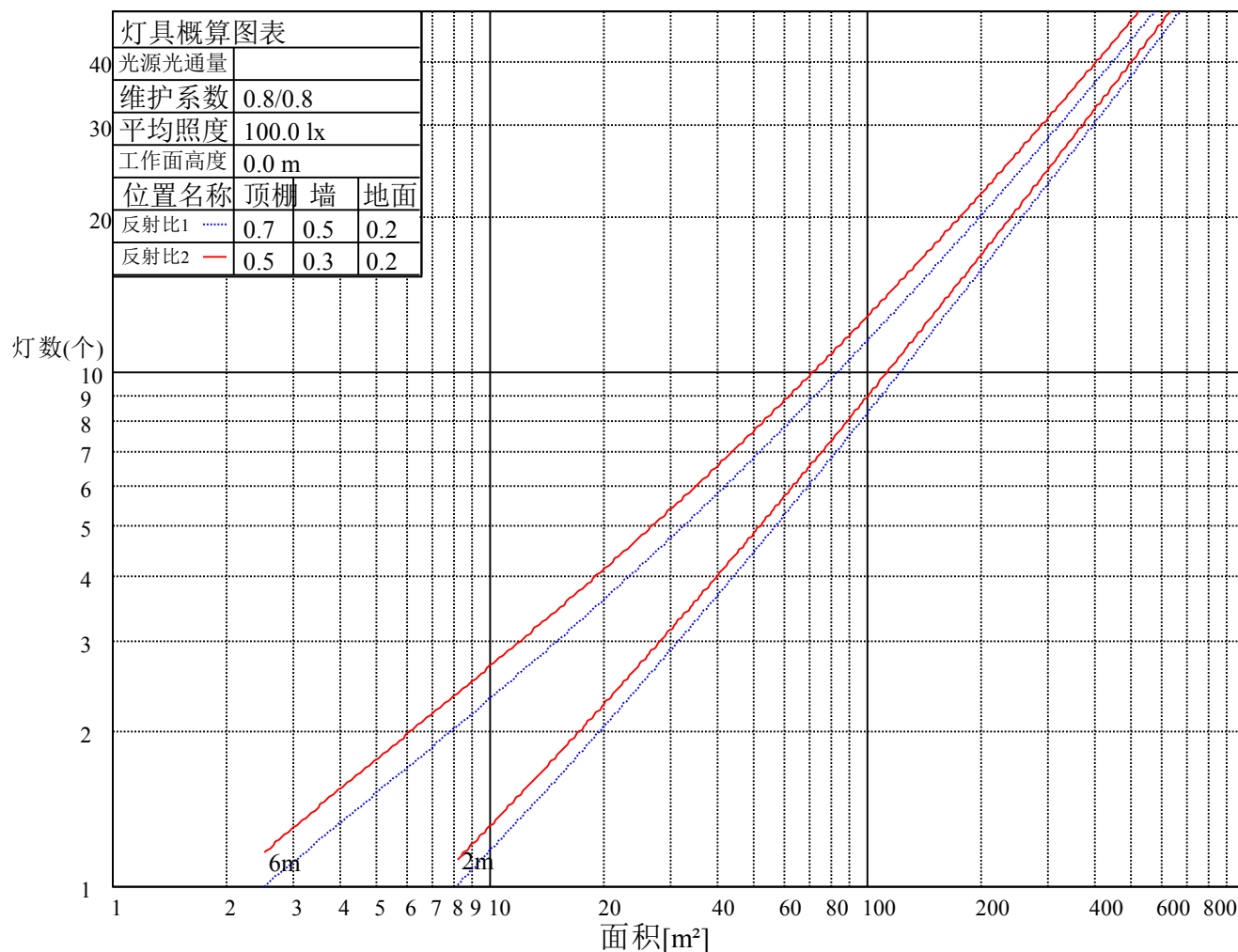
眩光等级表

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	13.96	15.16	14.32	15.47	15.78	13.93	15.13	14.30	15.45	15.76
	3H	15.03	16.10	15.42	16.43	16.79	15.02	16.08	15.40	16.42	16.78
	4H	15.45	16.44	15.85	16.79	17.17	15.44	16.43	15.84	16.78	17.16
	6H	15.77	16.67	16.18	17.05	17.44	15.76	16.67	16.18	17.04	17.44
	8H	15.87	16.72	16.30	17.12	17.52	15.86	16.72	16.30	17.11	17.52
	12H	15.99	16.81	16.42	17.19	17.62	15.99	16.81	16.42	17.19	17.62
4H	2H	14.26	15.25	14.66	15.60	15.99	14.24	15.23	14.64	15.58	15.97
	3H	15.54	16.35	15.96	16.76	17.16	15.54	16.35	15.95	16.76	17.16
	4H	16.07	16.80	16.51	17.22	17.66	16.08	16.80	16.51	17.22	17.67
	6H	16.43	17.06	16.90	17.50	17.97	16.44	17.06	16.91	17.51	17.98
	8H	16.58	17.16	17.05	17.61	18.08	16.59	17.17	17.06	17.62	18.09
	12H	16.72	17.23	17.20	17.71	18.19	16.74	17.25	17.22	17.73	18.21
8H	4H	16.23	16.81	16.70	17.26	17.73	16.23	16.81	16.70	17.26	17.73
	6H	16.71	17.18	17.21	17.68	18.16	16.72	17.19	17.22	17.69	18.17
	8H	16.92	17.34	17.45	17.86	18.35	16.94	17.36	17.46	17.88	18.37
	12H	17.58	17.95	18.10	18.45	19.02	17.61	17.98	18.13	18.47	19.05
12H	4H	16.22	16.73	16.71	17.22	17.69	16.23	16.73	16.71	17.22	17.70
	6H	17.21	17.16	17.27	17.63	18.17	17.22	17.17	17.28	17.64	18.18
	8H	16.99	17.36	17.51	17.86	18.43	17.01	17.38	17.52	17.87	18.45
对应照射距离，改变观察者位置S											
S = 1.0H	1.0/-1.3					1.0/-1.4					
S = 1.5H	2.0/-1.9					2.0/-2.1					
S = 2.0H	3.9/-2.1					3.9/-2.4					
标准表格	BK2					BK2					
更正系数	1.4					1.0					



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灯具的利用系数表

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFICIENTS OF UTILIZATION RHOFC=20 CU															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	0.98	0.99	0.97	0.96	0.95	0.94	0.93	0.91
2	1.00	0.95	0.91	0.98	0.94	0.90	0.95	0.91	0.88	0.92	0.89	0.86	0.89	0.86	0.84	0.82
3	0.92	0.86	0.81	0.90	0.85	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.83	0.79	0.77	0.75
4	0.84	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.74	0.71	0.77	0.73	0.70	0.68
5	0.78	0.71	0.67	0.77	0.71	0.66	0.75	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.63
6	0.73	0.66	0.61	0.72	0.65	0.61	0.70	0.65	0.60	0.69	0.64	0.60	0.67	0.63	0.60	0.58
7	0.68	0.61	0.56	0.67	0.61	0.56	0.66	0.60	0.56	0.65	0.59	0.56	0.63	0.59	0.55	0.54
8	0.64	0.57	0.52	0.63	0.57	0.52	0.62	0.56	0.52	0.61	0.55	0.52	0.60	0.55	0.51	0.50
9	0.60	0.53	0.49	0.59	0.53	0.49	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.52	0.48	0.47
10	0.56	0.50	0.46	0.56	0.50	0.46	0.55	0.49	0.45	0.54	0.49	0.45	0.53	0.49	0.45	0.44

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光强数据表(cd)

附页 第9页 共10页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	1493.47	1502.83	1507.97	1505.67	1494.00	1470.68	1433.46	1379.97	1309.37
30.0	1501.45	1509.97	1520.25	1526.23	1525.24	1515.41	1490.40	1451.95	1392.10
60.0	1500.07	1506.13	1512.57	1516.10	1513.19	1500.53	1477.05	1436.30	1377.06
90.0	1498.15	1498.15	1496.31	1489.94	1476.35	1454.87	1423.18	1381.74	1325.18
120.0	1496.54	1489.94	1478.81	1461.39	1435.30	1401.77	1363.17	1311.91	1253.66
150.0	1495.85	1486.56	1472.29	1452.26	1425.48	1393.48	1353.65	1305.23	1250.36
180.0	1493.47	1484.11	1471.83	1457.86	1438.06	1413.81	1379.97	1335.16	1282.13
210.0	1501.29	1495.46	1490.55	1483.03	1471.21	1451.41	1420.41	1377.29	1316.59
240.0	1500.07	1496.23	1492.16	1485.64	1473.98	1455.18	1424.33	1380.20	1321.81
270.0	1498.15	1495.77	1488.63	1477.28	1456.94	1427.24	1387.11	1335.62	1266.94
300.0	1496.54	1496.38	1490.09	1475.05	1450.95	1415.58	1372.68	1314.28	1245.37
330.0	1495.85	1499.76	1497.07	1485.03	1462.31	1429.54	1384.04	1322.50	1246.30
360.0	1493.47	1502.83	1507.97	1505.67	1494.00	1470.68	1433.46	1379.97	1309.37
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1229.95	1134.18	1032.35	924.07	817.10	709.44	618.97	533.02	454.82
30.0	1315.74	1228.72	1125.43	1016.85	907.27	804.21	700.92	610.91	525.50
60.0	1302.70	1217.37	1116.15	1010.63	907.73	800.83	705.22	606.61	526.34
90.0	1253.05	1173.93	1073.18	977.18	873.89	776.05	677.29	586.51	509.54
120.0	1182.45	1100.65	1010.33	921.16	825.24	730.93	646.13	562.56	486.75
150.0	1181.68	1107.71	1016.01	928.52	834.44	746.20	655.95	571.62	498.56
180.0	1212.15	1136.02	1046.24	955.77	856.93	757.09	666.54	577.30	496.19
210.0	1243.07	1160.50	1062.97	967.58	859.38	762.93	667.08	581.21	500.41
240.0	1246.91	1159.20	1064.43	961.83	858.39	754.25	663.93	575.53	497.80
270.0	1190.43	1097.42	995.90	898.90	794.46	694.55	604.08	524.42	450.60
300.0	1161.73	1069.11	968.74	874.04	776.35	679.59	596.56	517.36	444.00
330.0	1164.26	1068.26	965.97	869.44	768.30	671.22	583.67	506.16	434.41
360.0	1229.95	1134.18	1032.35	924.07	817.10	709.44	618.97	533.02	454.82
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	393.20	337.26	288.30	248.78	216.17	185.94	161.15	140.58	121.17
30.0	450.14	385.07	332.20	284.54	244.41	212.03	182.79	157.85	137.51
60.0	452.21	390.44	334.27	286.69	248.32	211.87	184.09	159.15	138.36
90.0	437.71	375.94	322.91	279.94	241.26	210.11	181.64	157.31	137.44
120.0	420.22	364.12	312.94	269.12	233.59	201.67	174.42	150.87	131.53
150.0	429.42	368.95	316.85	274.34	235.97	203.58	177.42	153.55	134.29
180.0	426.35	368.19	315.55	271.65	234.36	203.97	176.73	154.63	134.44
210.0	430.34	370.80	317.39	273.19	234.28	203.58	176.34	152.25	133.06
240.0	428.20	367.57	314.09	272.57	234.59	201.59	175.81	152.40	131.53
270.0	387.83	334.88	287.84	248.55	213.94	186.24	161.61	140.81	122.01
300.0	382.54	331.43	283.39	244.41	212.41	182.48	159.08	137.74	118.79
330.0	376.01	321.45	275.56	237.35	205.43	177.19	153.32	133.14	115.34
360.0	393.20	337.26	288.30	248.78	216.17	185.94	161.15	140.58	121.17
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	105.82	91.16	79.58	69.52	61.01	52.80	45.81	40.06	34.69
30.0	118.79	102.75	89.02	77.74	67.38	58.78	50.57	43.59	37.75
60.0	119.71	103.75	90.63	78.81	68.53	59.39	51.41	44.43	38.68
90.0	119.10	103.37	89.71	78.66	68.76	60.01	52.64	45.81	40.06
120.0	114.11	99.91	86.71	75.82	66.30	58.32	50.72	44.28	38.83
150.0	115.80	101.45	88.48	77.89	68.14	60.01	52.80	46.12	40.36
180.0	117.02	102.06	89.71	78.50	68.99	60.93	53.26	46.58	40.90
210.0	115.87	101.45	87.86	77.43	67.53	59.47	51.80	44.74	39.29
240.0	115.18	100.22	86.94	75.89	66.68	57.55	50.19	43.36	37.52
270.0	105.97	92.32	80.34	70.45	61.24	53.79	46.96	41.05	35.99
300.0	103.06	90.09	77.97	67.99	59.55	51.49	44.66	38.83	33.99
330.0	100.91	87.17	75.89	66.38	57.63	50.57	44.05	38.60	33.61
360.0	105.82	91.16	79.58	69.52	61.01	52.80	45.81	40.06	34.69

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光强数据表(cd)

附页 第 10页 共10页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	29.93	25.40	21.33	17.50	13.66	9.82	5.91	1.76	0.15
30.0	32.84	28.01	23.25	19.26	15.50	11.59	7.37	3.45	0.38
60.0	33.38	28.47	23.79	19.72	15.96	12.20	8.06	4.30	0.61
90.0	34.99	30.39	25.86	21.72	17.73	13.97	10.05	5.99	2.07
120.0	33.99	29.77	25.25	21.33	17.65	14.12	10.36	6.37	2.69
150.0	35.45	31.16	26.70	22.48	18.88	15.04	11.43	7.44	3.53
180.0	35.76	31.23	26.70	22.64	18.72	15.27	11.59	7.60	3.45
210.0	34.38	29.47	24.94	21.03	17.04	13.35	9.44	5.29	1.46
240.0	32.77	28.24	23.71	19.80	16.19	12.20	8.29	4.45	0.77
270.0	31.31	26.47	22.18	18.49	14.66	11.05	6.91	3.15	0.23
300.0	29.54	25.09	21.26	17.42	13.74	9.90	5.99	2.30	0.23
330.0	29.08	24.48	20.49	16.73	12.97	9.21	5.22	1.46	0.00
360.0	29.93	25.40	21.33	17.50	13.66	9.82	5.91	1.76	0.15

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.15
120.0	0.31
150.0	0.46
180.0	0.38
210.0	0.15
240.0	0.08
270.0	0.08
300.0	0.08
330.0	0.00
360.0	0.00