

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2221A-9-36DC-RC-Y (5030-XL-9RGBWN-C, CT)

报告编号:

电压(V): 36.1000

测试编号: 20210225005

电流(A): 0.9980

光源规格型号: XL

功率(W): 36.0000

每个光源光通量(lm)

功率因数: 1.0360

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

光度结果

灯具光通量(lm): 1743.31

灯具效能(lm/w): 48.43

中心光强(cd): 3226.816

最大光强(cd): 3257.511

最大光强角度: C=90.0 $\gamma=2.0$

半峰边角(50%Imax): [C0/180]Total=54.2

[C90/270]Total=29.1

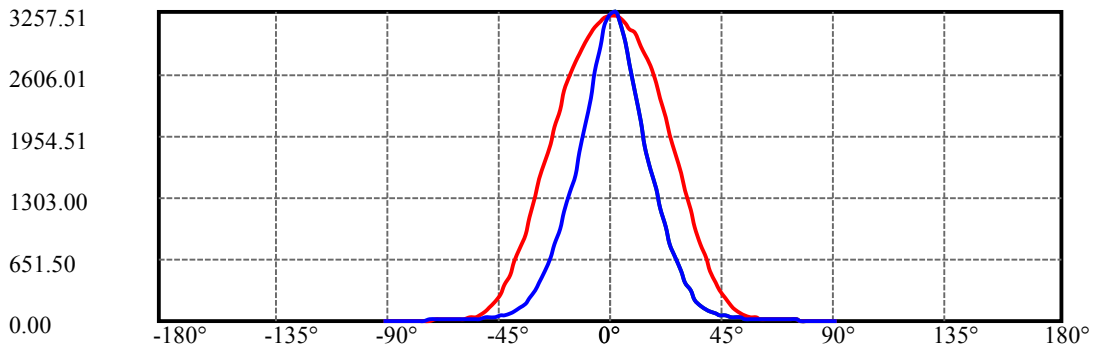
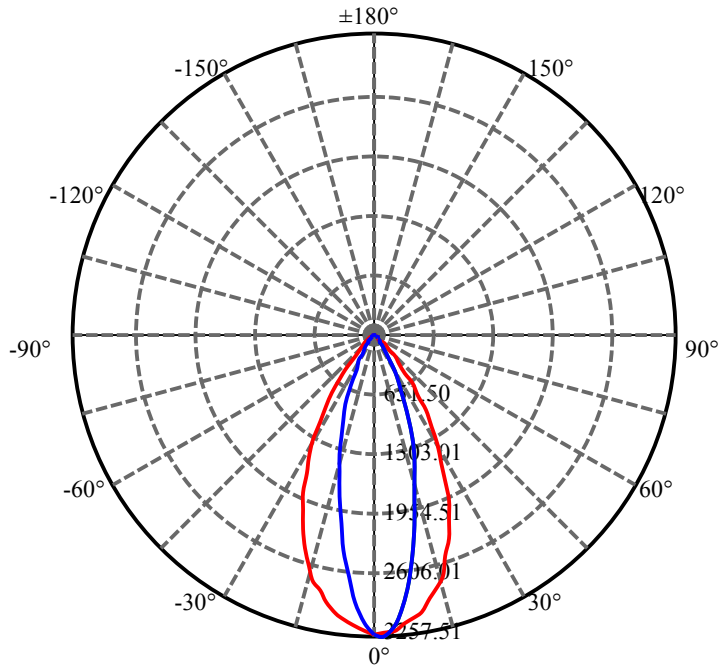
光束扩散角(10%Imax): [C0/180]Total=87.1

[C90/270]Total=61.8

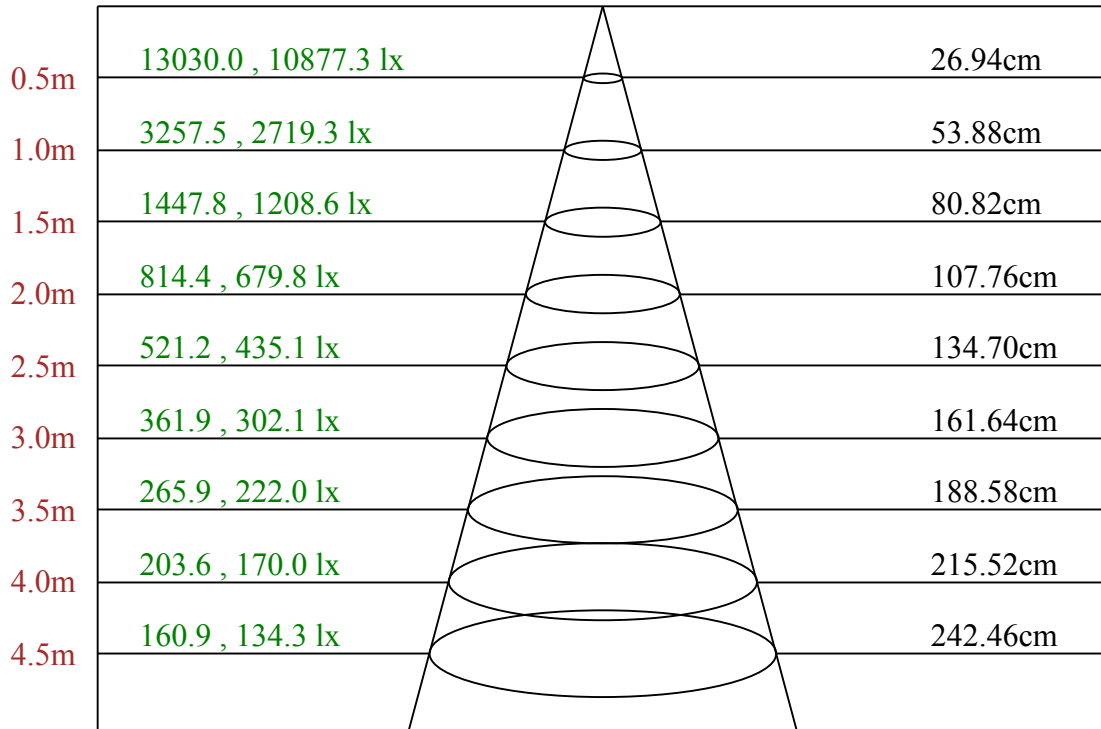
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/2/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

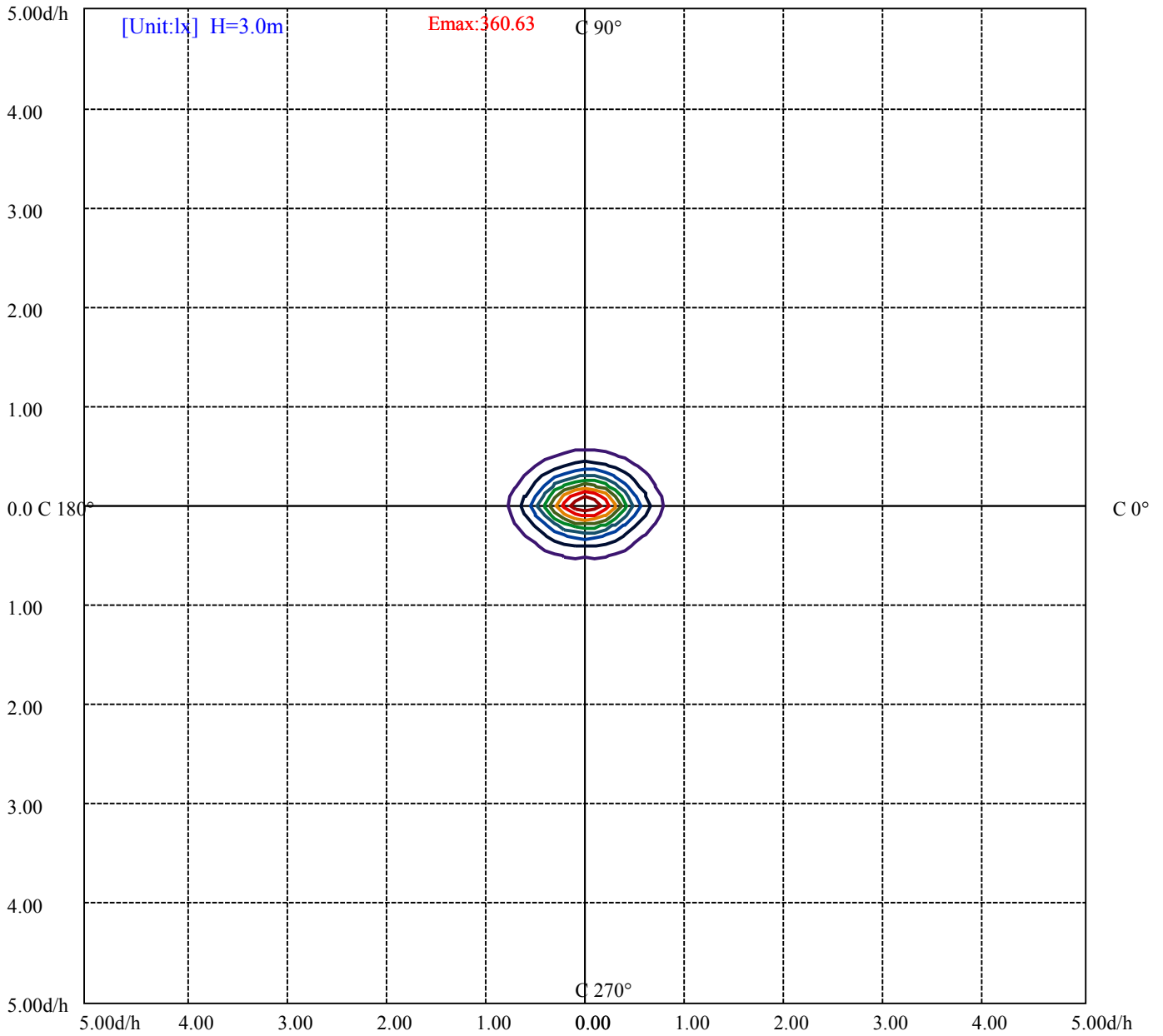


C90(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C90面光束角30.14

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平面等照度曲线



- (10%Emax) 36.06245
- (20%Emax) 72.12478
- (30%Emax) 108.1872
- (40%Emax) 144.25
- (50%Emax) 180.3122
- (60%Emax) 216.3745
- (70%Emax) 252.4367
- (80%Emax) 288.4989
- (90%Emax) 324.5611

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

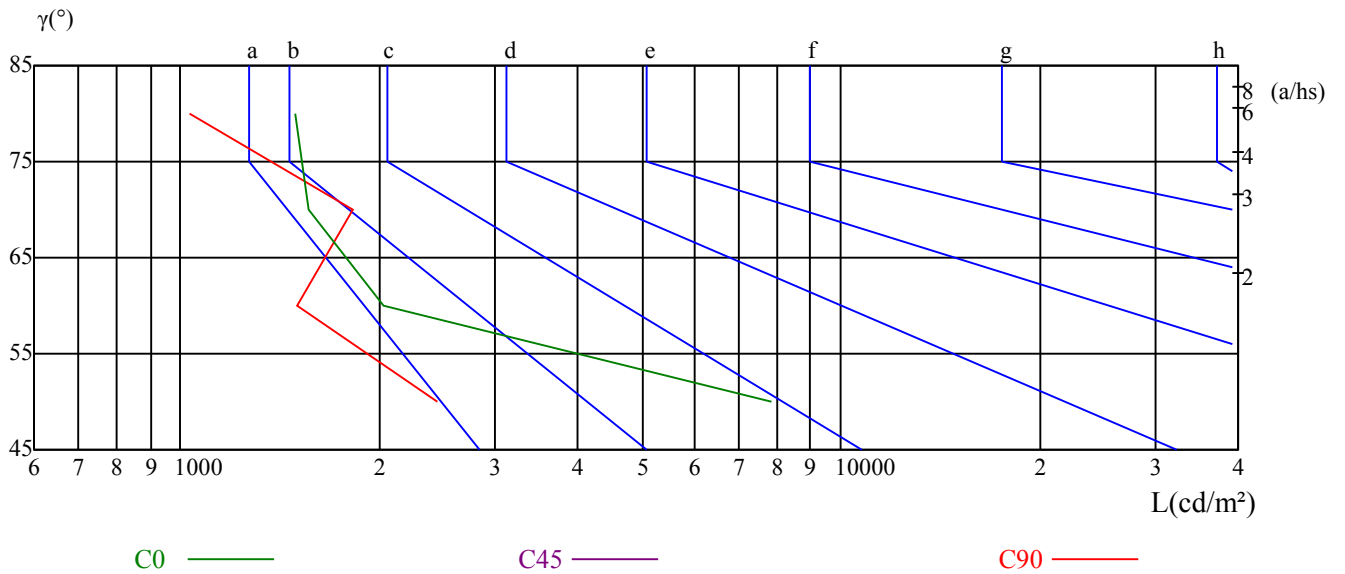
γ	45	50	55	60	65	70	75	80	85
C0	0	7859	0	2037	0	1567	0	1489	0
C45	0	0	0	0	0	0	0	0	0
C90	0	2453	0	1501	0	1825	0	1035	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
806731	709399	0	721284	560009	0	726015	230427	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	5.31	6.32	5.67	6.63	6.94	6.93	7.94	7.30	8.25	8.57
	3H	6.51	7.40	6.89	7.73	8.10	7.63	8.52	8.02	8.85	9.22
	4H	6.99	7.81	7.40	8.17	8.56	7.96	8.78	8.37	9.14	9.53
	6H	7.23	7.98	7.65	8.36	8.75	8.18	8.93	8.60	9.31	9.70
	8H	7.27	7.97	7.70	8.36	8.77	8.23	8.93	8.66	9.32	9.73
	12H	7.29	7.97	7.73	8.35	8.78	8.28	8.96	8.72	9.34	9.77
4H	2H	5.50	6.32	5.91	6.68	7.07	6.95	7.77	7.36	8.12	8.51
	3H	6.82	7.49	7.24	7.90	8.30	7.89	8.56	8.30	8.97	9.37
	4H	7.40	7.99	7.84	8.42	8.87	8.38	8.98	8.82	9.40	9.85
	6H	7.69	8.19	8.16	8.64	9.12	8.68	9.19	9.15	9.64	10.11
	8H	7.75	8.22	8.22	8.67	9.15	8.77	9.24	9.25	9.70	10.17
	12H	7.78	8.19	8.28	8.68	9.16	8.85	9.26	9.34	9.74	10.22
8H	4H	7.56	8.03	8.03	8.48	8.96	8.46	8.93	8.94	9.39	9.86
	6H	7.94	8.31	8.45	8.82	9.30	8.94	9.32	9.45	9.82	10.31
	8H	8.04	8.38	8.58	8.90	9.40	9.12	9.46	9.66	9.98	10.48
	12H	8.57	8.86	9.09	9.36	9.94	9.59	9.88	10.12	10.38	10.96
12H	4H	7.57	7.98	8.06	8.47	8.94	8.43	8.84	8.92	9.33	9.80
	6H	8.26	8.32	8.52	8.79	9.34	9.22	9.28	9.48	9.75	10.30
	8H	8.13	8.42	8.65	8.92	9.50	9.17	9.46	9.70	9.96	10.54
对应照射距离，改变观察者位置S											
S = 1.0H		2.8/-2.9					4.2/-6.1				
S = 1.5H		4.5/-3.6					6.7/-7.2				
S = 2.0H		6.3/-3.5					8.7/-6.9				
标准表格		BK2					BK0				
更正系数		-5.4					-1.0				

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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	3226.82	3216.84	3193.82	3133.96	3076.41	3032.67	2901.45	2810.13	2698.86
30.0	3243.70	3242.16	3222.21	3150.85	3027.30	2860.78	2704.23	2466.35	2242.27
60.0	3247.54	3231.42	3121.69	2976.65	2773.30	2482.46	2211.58	1942.23	1704.34
90.0	3234.49	3257.51	3146.24	2939.82	2703.47	2398.05	2101.08	1836.33	1592.31
120.0	3241.40	3232.96	3128.59	2927.54	2692.72	2441.02	2169.37	1913.84	1642.95
150.0	3230.65	3222.21	3182.31	3064.90	2967.44	2813.20	2614.45	2394.98	2172.44
180.0	3226.82	3202.26	3147.78	3092.53	3031.14	2936.75	2820.87	2727.25	2586.82
210.0	3243.70	3160.82	3071.04	2923.70	2747.97	2565.34	2365.05	2127.93	1916.14
240.0	3247.54	3137.80	2953.63	2740.30	2483.23	2178.58	1916.14	1663.67	1447.27
270.0	3234.49	3111.71	2899.15	2629.80	2350.47	2054.27	1781.08	1528.00	1348.36
300.0	3241.40	3172.33	2997.37	2746.44	2484.76	2234.60	1962.95	1715.09	1467.22
330.0	3230.65	3190.75	3081.78	2926.77	2789.41	2627.50	2410.33	2171.67	1939.16
360.0	3226.82	3216.84	3193.82	3133.96	3076.41	3032.67	2901.45	2810.13	2698.86
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	2516.23	2343.57	2150.19	1964.48	1754.22	1567.75	1371.30	1179.46	986.08
30.0	2018.97	1775.71	1564.68	1352.88	1168.71	1009.87	851.79	718.26	580.14
60.0	1473.21	1248.37	1071.64	907.73	775.66	647.82	534.78	430.19	334.88
90.0	1389.72	1184.06	987.61	811.88	662.25	521.05	402.11	319.61	230.90
120.0	1419.03	1205.32	1027.44	875.04	741.52	619.43	508.16	402.64	311.09
150.0	1953.74	1718.15	1487.17	1278.45	1103.49	941.57	786.56	647.67	525.65
180.0	2418.77	2220.02	2045.06	1863.96	1672.11	1494.54	1310.06	1096.12	918.55
210.0	1688.99	1478.58	1284.89	1109.86	957.38	812.27	694.01	573.84	470.02
240.0	1231.64	1059.75	903.20	766.61	655.34	544.84	448.91	367.50	275.18
270.0	1147.53	980.78	809.81	661.25	533.25	414.31	320.46	236.43	175.19
300.0	1240.85	1065.89	919.32	781.96	662.25	557.88	448.15	389.06	273.19
330.0	1695.90	1503.67	1300.40	1111.16	955.23	822.24	678.13	555.04	461.42
360.0	2516.23	2343.57	2150.19	1964.48	1754.22	1567.75	1371.30	1179.46	986.08
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	811.12	667.62	532.56	413.62	316.54	235.35	163.22	122.93	88.40
30.0	482.68	393.66	322.30	259.53	206.73	164.37	126.69	102.60	86.87
60.0	256.30	192.76	147.11	112.65	87.94	67.99	55.33	45.35	38.22
90.0	170.89	127.15	100.45	81.27	66.99	55.25	45.89	38.37	31.69
120.0	240.65	180.18	135.60	103.67	79.81	63.62	51.87	42.97	36.07
150.0	432.80	355.30	290.07	233.21	187.32	146.80	112.42	89.17	72.67
180.0	764.38	618.27	492.81	380.08	281.24	197.52	138.28	101.68	68.07
210.0	386.68	321.99	261.91	210.80	169.28	132.14	102.37	86.48	70.14
240.0	209.03	161.23	121.02	93.93	74.21	59.78	48.42	40.82	35.45
270.0	131.53	103.37	83.34	68.83	57.09	47.58	39.44	33.00	28.01
300.0	210.03	158.00	119.48	92.47	72.36	58.63	47.65	40.52	34.99
330.0	380.23	315.62	257.07	207.73	167.06	132.99	103.52	84.41	72.90
360.0	811.12	667.62	532.56	413.62	316.54	235.35	163.22	122.93	88.40
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	57.78	40.44	31.08	24.79	20.95	18.34	16.19	14.43	13.05
30.0	62.62	42.44	31.16	23.94	19.34	16.65	14.66	13.43	12.51
60.0	35.53	38.06	35.53	26.86	20.80	16.27	13.66	11.74	10.05
90.0	27.09	23.33	20.64	18.26	16.50	15.27	14.96	15.50	15.19
120.0	31.69	30.77	30.70	30.16	21.87	16.42	13.51	11.43	9.67
150.0	59.09	39.44	27.70	22.25	18.26	15.65	13.97	12.82	11.59
180.0	49.19	34.99	27.55	22.41	19.18	16.73	14.50	12.82	11.66
210.0	48.04	33.92	25.94	20.72	17.50	15.12	13.43	12.51	11.66
240.0	35.45	37.22	30.70	24.17	18.42	14.73	12.58	10.82	9.59
270.0	24.02	21.10	18.42	16.58	15.42	15.27	16.04	16.42	14.89
300.0	33.15	33.07	33.23	29.24	21.41	15.81	13.12	11.20	9.59
330.0	56.56	37.37	26.24	21.18	17.65	15.19	13.66	12.74	11.97
360.0	57.78	40.44	31.08	24.79	20.95	18.34	16.19	14.43	13.05

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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	11.89	10.59	9.13	7.60	6.29	4.76	3.15	1.69	0.15
30.0	11.66	10.67	9.59	8.59	7.44	5.76	4.07	2.07	0.15
60.0	8.90	7.75	6.75	5.76	4.45	3.22	2.23	1.00	0.15
90.0	13.66	11.05	8.52	6.06	4.37	3.22	2.07	1.07	0.08
120.0	8.44	7.44	6.52	5.29	4.14	3.15	2.00	0.84	0.08
150.0	9.44	8.90	7.90	7.14	5.29	3.45	1.46	0.77	0.08
180.0	9.44	7.90	6.14	4.30	2.61	2.00	1.69	0.69	0.08
210.0	11.05	10.21	9.21	8.13	7.06	5.14	2.76	1.00	0.00
240.0	8.29	7.21	6.29	5.22	3.99	2.84	1.76	0.84	0.00
270.0	12.20	9.36	7.21	5.14	3.68	2.53	1.46	0.46	0.00
300.0	8.44	7.37	6.45	5.37	4.14	2.99	1.84	0.84	0.08
330.0	11.36	10.36	9.44	8.29	7.14	5.37	3.22	1.30	0.08
360.0	11.89	10.59	9.13	7.60	6.29	4.76	3.15	1.69	0.15

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