

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2222A-18-36DC-RC-Y (15-XL-18RGBWN-C, CT)

报告编号:

电压(V): 35.9000

测试编号: 20210303010

电流(A): 1.9490

光源规格型号: XL

功率(W): 70.1000

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): 270

发光面宽度(mm): 160

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 4145.66

灯具效能(lm/w): 59.14

中心光强(cd): 34800.500

最大光强(cd): 35544.860

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=15.5

[C90/270]Total=15.8

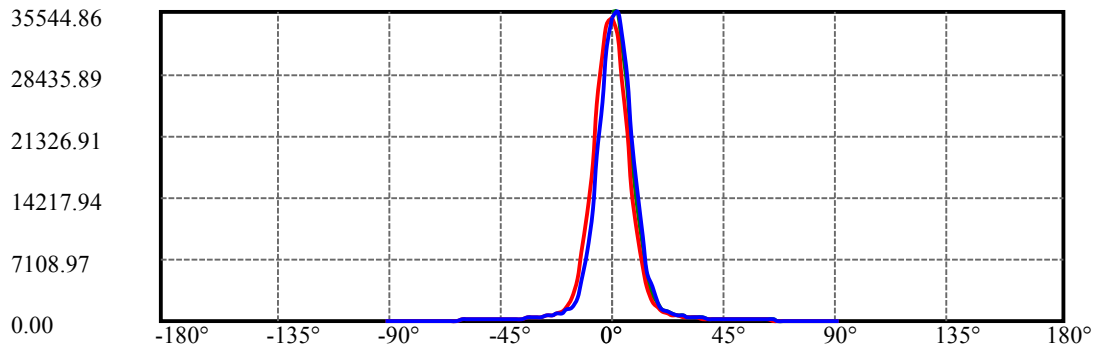
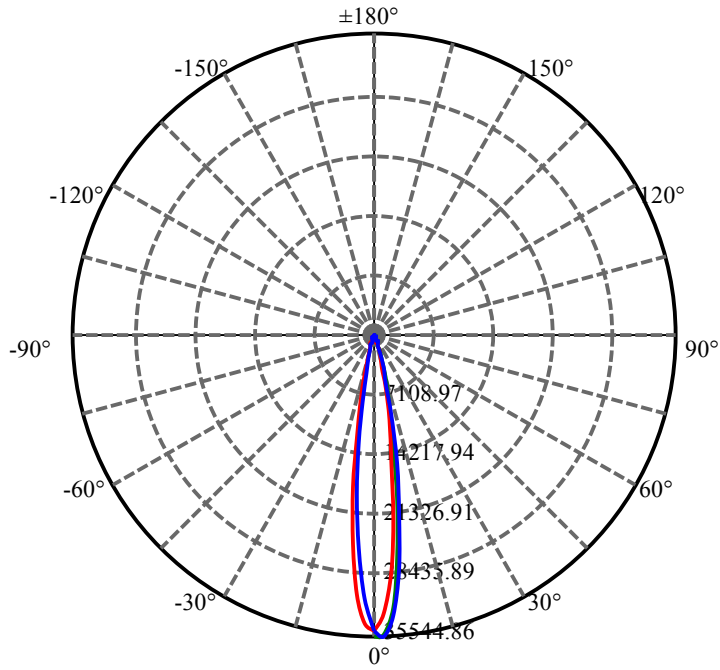
光束扩散角(10%Imax): [C0/180]Total=29.8

[C90/270]Total=29.7

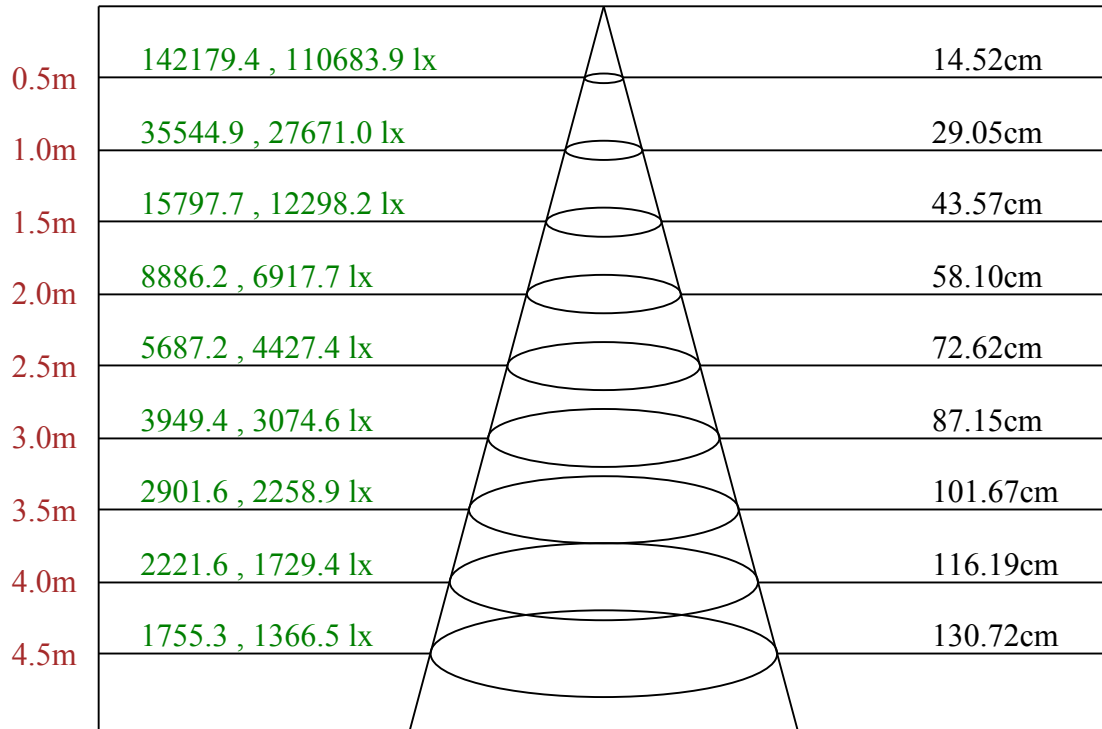
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/3
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

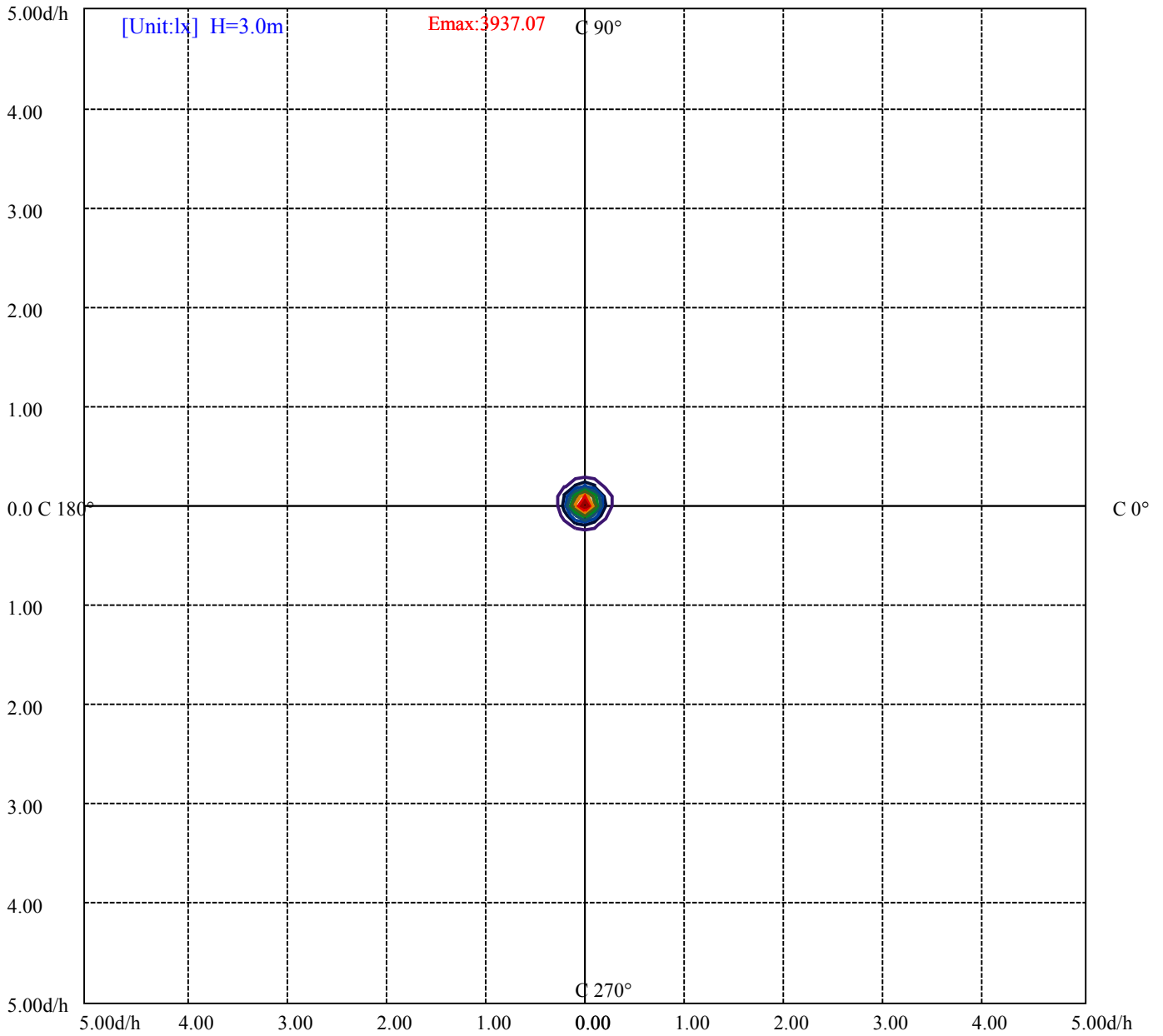


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角16.53

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平面等照度曲线



- (10%Emax) 393.7056
- (20%Emax) 787.4122
- (30%Emax) 1181.122
- (40%Emax) 1574.822
- (50%Emax) 1968.533
- (60%Emax) 2362.233
- (70%Emax) 2755.944
- (80%Emax) 3149.645
- (90%Emax) 3543.355

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灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共8页

亮度值表

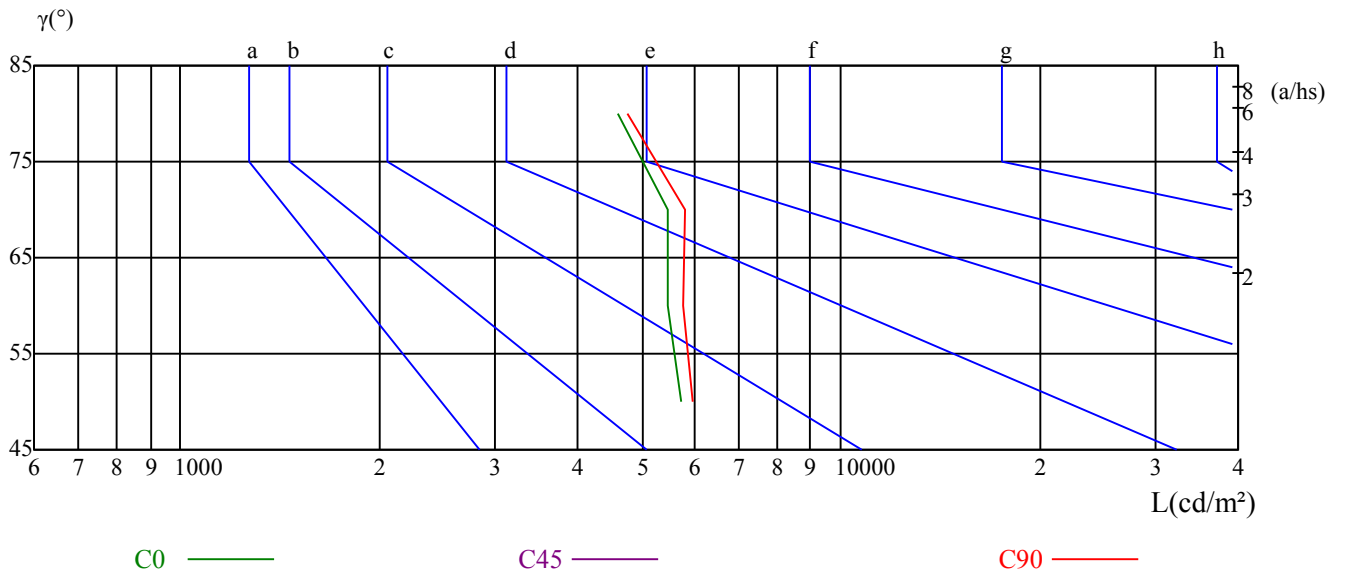
γ	45	50	55	60	65	70	75	80	85
C0	0	5751	0	5482	0	5474	0	4583	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5972	0	5791	0	5817	0	4767	0

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: 2021/3/3
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	8.14	9.18	8.51	9.49	9.81	8.14	9.17	8.50	9.48	9.80
	3H	10.21	11.12	10.59	11.46	11.82	10.27	11.18	10.65	11.52	11.88
	4H	10.89	11.74	11.30	12.09	12.48	11.06	11.91	11.46	12.26	12.65
	6H	11.30	12.08	11.72	12.45	12.85	11.61	12.39	12.03	12.77	13.16
	8H	11.38	12.12	11.82	12.51	12.92	11.77	12.50	12.20	12.89	13.30
	12H	11.44	12.14	11.87	12.52	12.95	11.92	12.62	12.35	13.00	13.43
4H	2H	8.83	9.68	9.24	10.03	10.42	8.82	9.67	9.23	10.03	10.42
	3H	11.14	11.84	11.56	12.25	12.65	11.22	11.92	11.64	12.33	12.73
	4H	11.93	12.56	12.37	12.98	13.43	12.14	12.77	12.58	13.19	13.64
	6H	12.35	12.89	12.82	13.34	13.81	12.69	13.22	13.16	13.67	14.15
	8H	12.46	12.96	12.94	13.41	13.89	12.88	13.37	13.35	13.83	14.30
	12H	12.51	12.94	13.00	13.43	13.91	13.02	13.45	13.51	13.94	14.42
8H	4H	12.26	12.76	12.74	13.21	13.69	12.45	12.94	12.92	13.39	13.87
	6H	12.81	13.21	13.32	13.71	14.20	13.14	13.54	13.65	14.04	14.52
	8H	12.98	13.33	13.51	13.85	14.35	13.40	13.75	13.93	14.27	14.77
	12H	13.54	13.84	14.06	14.34	14.92	14.00	14.31	14.52	14.80	15.38
12H	4H	12.27	12.70	12.76	13.19	13.67	12.44	12.87	12.93	13.36	13.84
	6H	13.17	13.21	13.39	13.68	14.23	13.48	13.52	13.70	13.99	14.54
	8H	13.07	13.37	13.59	13.87	14.45	13.47	13.77	13.99	14.27	14.85
对应照射距离，改变观察者位置S											
S = 1.0H	0.3/-0.6					0.3/-0.7					
S = 1.5H	0.8/-0.6					0.8/-0.7					
S = 2.0H	0.8/-0.6					0.8/-0.7					
标准表格	BKBF					BKBF					
更正系数	2.8					2.8					

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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	34800.50	32774.63	27832.73	21693.72	15224.74	10106.34	6269.46	3990.36	2164.77
30.0	35544.86	35245.58	32122.36	26390.06	19683.19	13344.67	8640.65	5195.14	3048.02
60.0	35322.32	35214.88	31823.08	26459.12	19982.47	13935.55	8791.06	5137.58	3054.16
90.0	34815.85	35506.49	33027.86	27732.97	21371.42	15332.17	9799.39	5793.69	3928.97
120.0	34930.96	35222.56	32413.96	27241.85	20703.80	14235.59	9292.16	5523.57	3124.76
150.0	34570.29	34992.35	32513.72	27172.78	20818.91	14365.28	9285.25	5793.69	3905.94
180.0	34800.50	34063.82	30679.69	24878.33	18087.05	12337.87	7860.23	4784.59	2671.24
210.0	35544.86	33066.23	27901.79	21563.27	14993.76	9856.18	5918.77	3407.92	2140.21
240.0	35322.32	32406.29	27165.11	20803.56	14610.84	9438.72	5540.45	3508.44	1966.02
270.0	34815.85	31101.75	25169.93	19007.90	12755.32	8029.82	4699.41	2723.42	1629.14
300.0	34930.96	31546.83	25998.70	19476.00	13567.21	8464.16	5003.29	2961.30	1807.94
330.0	34570.29	31523.81	25783.83	19552.74	13267.93	8421.95	5010.97	2928.31	1794.89
360.0	34800.50	32774.63	27832.73	21693.72	15224.74	10106.34	6269.46	3990.36	2164.77
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1477.20	1093.51	862.53	723.64	618.51	531.79	464.26	406.71	355.22
30.0	1951.44	1364.39	1037.49	843.35	704.45	600.86	524.89	461.19	405.17
60.0	1930.72	1362.78	1037.11	844.27	702.46	602.70	520.89	460.04	404.56
90.0	2071.92	1432.69	1053.61	848.72	701.38	597.79	512.61	445.08	395.97
120.0	1883.91	1319.43	994.37	804.82	666.77	566.55	492.27	431.27	380.08
150.0	1976.76	1331.40	998.36	793.47	662.25	564.02	487.28	428.20	387.52
180.0	1502.68	1210.54	941.65	764.00	639.99	550.59	474.62	413.46	361.66
210.0	1470.29	1109.47	880.64	731.23	621.19	541.08	475.08	416.61	370.18
240.0	1397.39	1060.51	856.39	715.19	609.30	525.65	465.03	409.78	361.43
270.0	1268.70	976.49	801.68	672.68	570.93	491.89	433.64	382.31	333.12
300.0	1272.31	976.10	792.70	662.25	568.63	491.89	431.27	387.52	338.03
330.0	1269.85	981.63	789.55	664.24	558.50	488.36	430.19	382.08	337.11
360.0	1477.20	1093.51	862.53	723.64	618.51	531.79	464.26	406.71	355.22
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	313.47	275.26	244.10	221.16	202.43	186.78	172.20	159.69	148.56
30.0	361.05	315.93	279.56	246.86	222.54	201.74	184.86	171.51	159.15
60.0	358.75	314.47	276.33	246.56	221.77	200.90	183.63	170.13	157.93
90.0	348.24	303.80	267.43	237.89	212.95	194.76	179.18	165.83	155.09
120.0	334.96	295.59	260.22	232.28	210.64	191.77	176.34	163.30	152.63
150.0	338.64	295.44	262.14	233.67	211.57	192.23	176.50	164.14	152.78
180.0	319.84	282.16	252.39	227.07	205.73	187.01	172.12	158.85	147.80
210.0	323.76	283.62	253.46	227.91	205.89	188.31	174.35	161.46	151.56
240.0	318.77	278.63	247.56	221.62	202.36	184.32	170.59	157.85	147.34
270.0	293.37	257.22	227.76	205.35	188.08	173.20	160.84	150.56	142.19
300.0	296.21	262.60	233.05	209.65	190.31	174.19	161.92	150.71	141.58
330.0	297.67	263.52	234.28	211.11	191.08	176.04	162.91	151.25	142.27
360.0	313.47	275.26	244.10	221.16	202.43	186.78	172.20	159.69	148.56
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	139.51	131.76	124.93	118.41	112.19	106.13	99.22	90.78	80.88
30.0	149.33	140.66	133.37	126.46	120.32	114.34	108.74	103.06	97.00
60.0	147.72	139.66	132.45	125.77	119.56	113.73	107.89	102.60	96.69
90.0	145.80	138.05	131.37	125.08	118.25	111.50	104.75	96.61	85.95
120.0	143.12	135.37	128.00	121.94	115.87	110.43	104.52	98.76	92.70
150.0	143.12	135.13	128.54	122.01	115.64	110.20	104.52	99.07	91.16
180.0	139.13	131.30	123.93	116.49	110.27	104.29	97.76	89.94	80.80
210.0	142.66	134.67	128.00	121.78	115.57	109.73	104.44	98.76	91.24
240.0	139.28	131.60	125.24	118.94	113.19	106.82	101.06	95.69	86.87
270.0	135.60	128.54	122.09	114.95	108.12	101.22	92.01	80.88	71.06
300.0	133.83	126.85	120.55	114.88	109.12	102.83	97.23	90.78	80.88
330.0	134.44	127.69	121.09	115.41	109.50	104.13	98.38	92.32	85.26
360.0	139.51	131.76	124.93	118.41	112.19	106.13	99.22	90.78	80.88

ROLED 投光灯

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	72.82	63.16	53.79	43.97	34.38	24.33	15.42	6.22	0.54
30.0	88.56	78.35	68.68	57.40	46.27	33.07	19.72	10.44	2.15
60.0	86.94	73.74	62.62	50.80	39.52	28.09	17.42	7.21	0.77
90.0	75.36	66.07	55.56	45.81	35.76	27.17	15.96	6.98	0.77
120.0	83.03	70.83	60.09	49.80	39.06	28.93	18.26	7.52	0.77
150.0	81.73	72.13	61.77	47.65	39.06	24.02	19.57	11.05	2.69
180.0	72.67	63.46	54.79	46.73	38.52	29.54	18.80	9.67	1.76
210.0	81.03	71.06	60.09	47.96	36.60	23.17	12.35	3.76	0.38
240.0	74.44	62.62	51.41	40.29	29.70	18.26	7.29	0.77	0.31
270.0	61.01	50.34	40.75	30.93	22.71	11.66	2.38	0.77	0.23
300.0	68.60	58.32	47.19	37.14	26.24	15.50	6.45	0.77	0.31
330.0	75.28	65.07	54.33	43.20	30.16	19.49	9.82	2.15	0.38
360.0	72.82	63.16	53.79	43.97	34.38	24.33	15.42	6.22	0.54

C/γ(°)	90.0
0.0	0.31
30.0	0.31
60.0	0.38
90.0	0.38
120.0	0.46
150.0	0.31
180.0	0.31
210.0	0.23
240.0	0.23
270.0	0.15
300.0	0.31
330.0	0.23
360.0	0.31