

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F2022A-30-UN (5015-OL-30WN-C, P1)

报告编号:

电压(V): 220.2000

测试编号: 20210325006

电流(A): 0.1700

光源规格型号: CR

功率(W): 35.3000

每个光源光通量(lm)

功率因数: 0.9400

光源数量: 30

镇流器型号:

发光面长度(mm): 270

发光面宽度(mm): 152

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 3034.48

灯具效能(lm/w): 85.96

中心光强(cd): 8441.903

最大光强(cd): 8915.375

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.0

[C90/270]Total=12.1

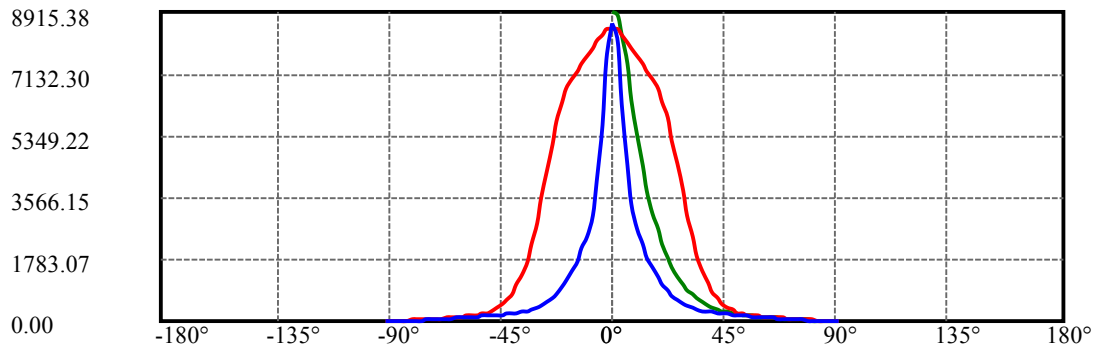
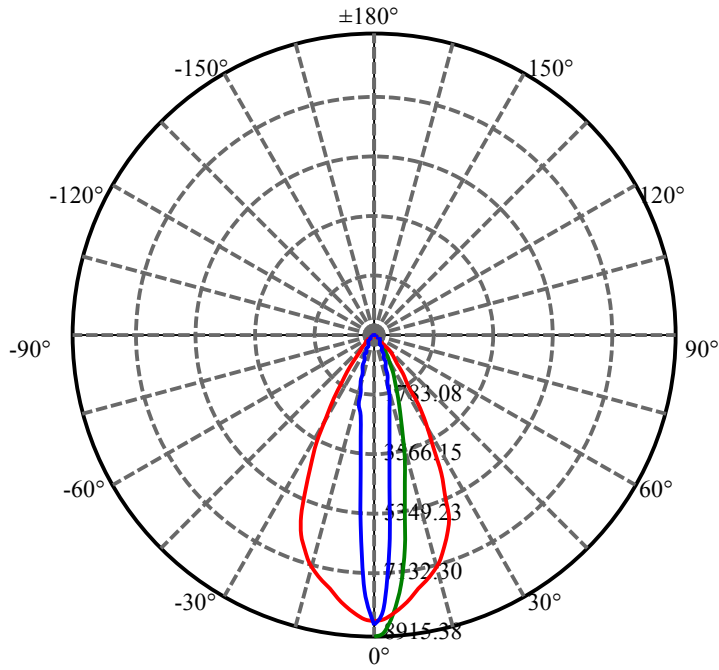
光束扩散角(10%Imax): [C0/180]Total=79.5

[C90/270]Total=43.6

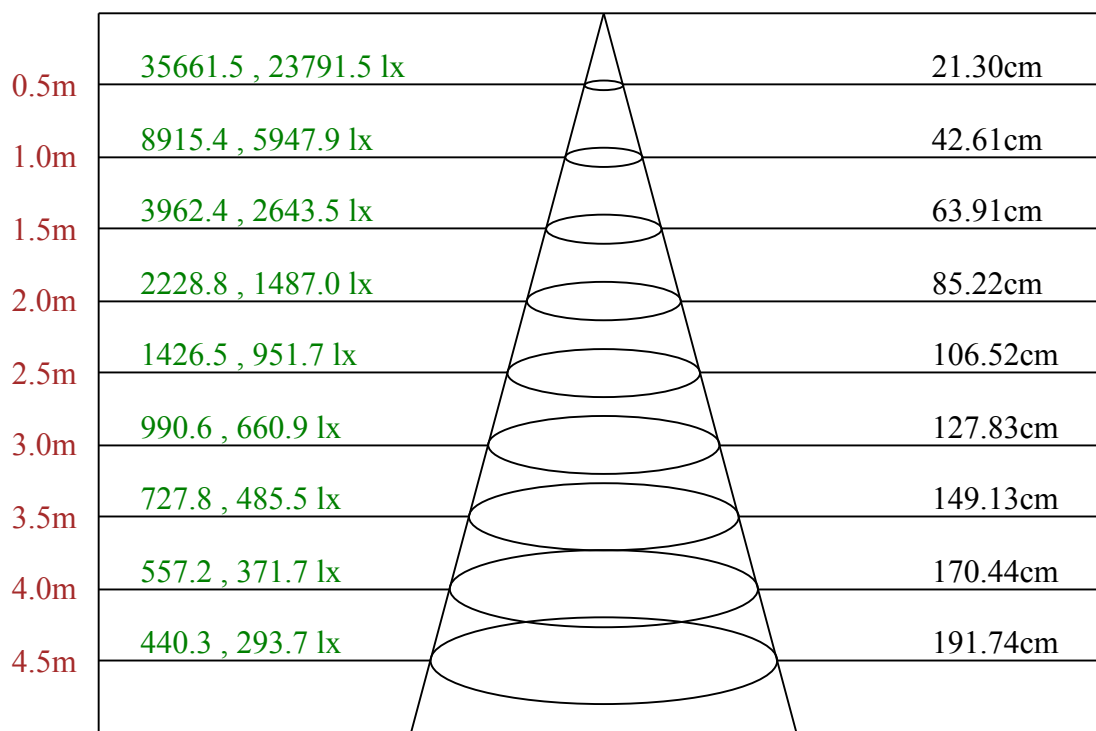
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/3/25
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

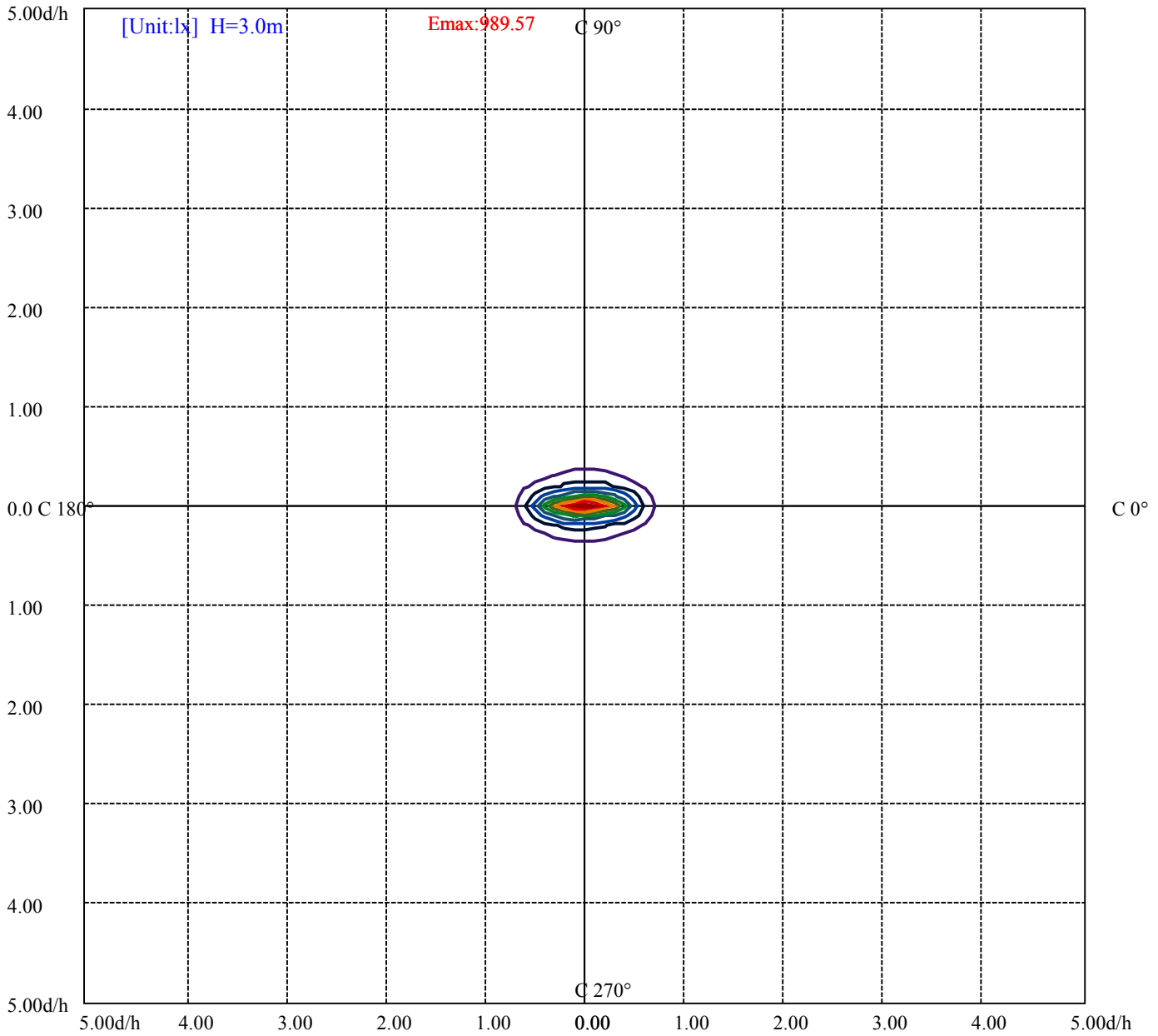


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角24.05

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平面等照度曲线



- (10%Emax) 98.95712
- (20%Emax) 197.9144
- (30%Emax) 296.8711
- (40%Emax) 395.8289
- (50%Emax) 494.7855
- (60%Emax) 593.7422
- (70%Emax) 692.7
- (80%Emax) 791.6567
- (90%Emax) 890.6133

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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

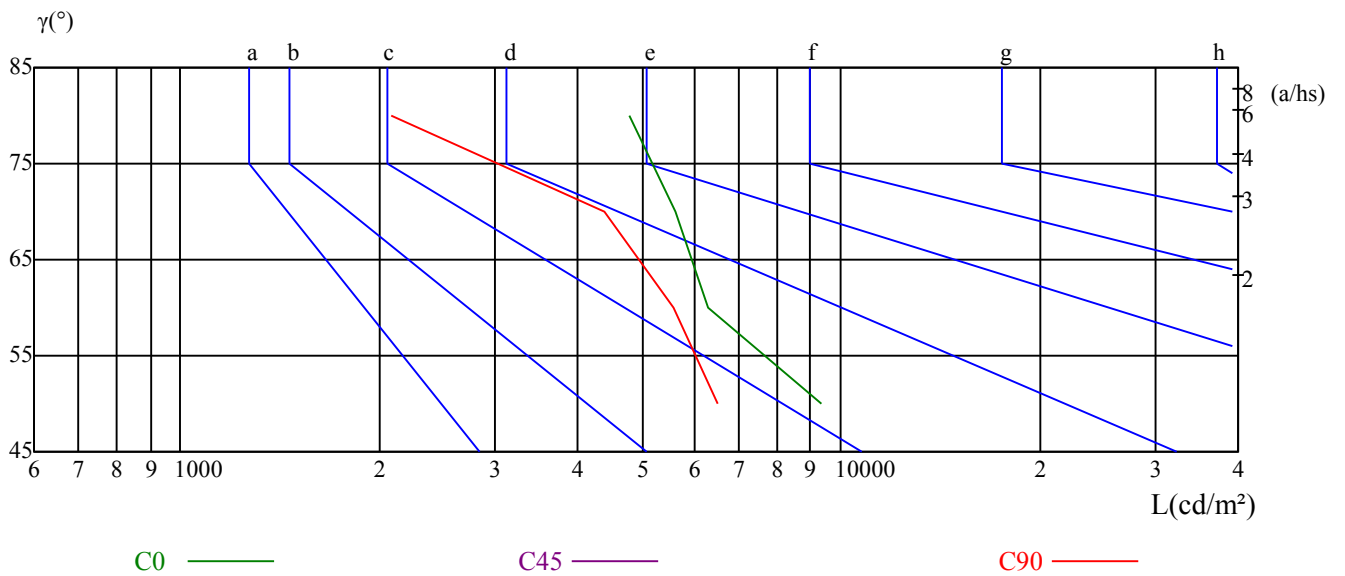
γ	45	50	55	60	65	70	75	80	85
C0	0	9375	0	6301	0	5631	0	4792	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6493	0	5576	0	4379	0	2089	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
1230	956	0	921	643	0	547	311	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: 2021/3/25
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	10.32	11.41	10.68	11.72	12.04	10.98	12.08	11.35	12.39	12.70
	3H	11.58	12.54	11.96	12.88	13.24	12.59	13.56	12.97	13.89	14.26
	4H	11.97	12.87	12.38	13.22	13.61	13.20	14.10	13.61	14.45	14.84
	6H	12.11	12.94	12.53	13.31	13.71	13.61	14.43	14.03	14.80	15.20
	8H	12.11	12.88	12.54	13.27	13.68	13.71	14.48	14.14	14.87	15.28
	12H	12.08	12.82	12.51	13.20	13.63	13.79	14.52	14.22	14.91	15.34
4H	2H	10.85	11.75	11.26	12.10	12.49	11.39	12.29	11.80	12.64	13.03
	3H	12.31	13.04	12.72	13.45	13.85	13.24	13.97	13.66	14.38	14.79
	4H	12.80	13.45	13.23	13.87	14.32	13.96	14.62	14.40	15.04	15.48
	6H	12.97	13.53	13.44	13.98	14.45	14.38	14.94	14.85	15.39	15.86
	8H	12.97	13.49	13.44	13.94	14.41	14.50	15.03	14.98	15.48	15.95
	12H	12.94	13.39	13.43	13.88	14.36	14.58	15.04	15.07	15.53	16.00
8H	4H	13.03	13.55	13.51	14.00	14.48	14.07	14.60	14.55	15.05	15.52
	6H	13.27	13.69	13.78	14.19	14.68	14.58	14.99	15.08	15.50	15.98
	8H	13.29	13.67	13.82	14.19	14.68	14.75	15.12	15.28	15.64	16.13
	12H	13.89	14.21	14.41	14.71	15.29	15.35	15.68	15.87	16.17	16.75
12H	4H	13.02	13.48	13.51	13.97	14.44	14.04	14.49	14.53	14.98	15.46
	6H	13.64	13.66	13.82	14.13	14.67	14.91	14.92	15.09	15.40	15.94
	8H	13.33	13.65	13.85	14.15	14.73	14.75	15.07	15.27	15.57	16.15
对应照射距离，改变观察者位置S											
S = 1.0H	0.4/-0.5					3.0/-1.8					
S = 1.5H	0.9/-0.8					4.7/-1.9					
S = 2.0H	1.9/-1.3					6.4/-1.9					
标准表格	BK3					BK2					
更正系数	-0.8					1.4					

ROLED 投光灯

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	8441.90	8394.33	8250.06	8050.54	7846.42	7624.65	7402.11	7197.99	6960.87
30.0	8915.37	8798.73	8226.27	7399.81	6386.87	5371.63	4483.78	3758.61	3124.76
60.0	8896.96	8329.10	6787.44	5113.79	3866.81	3021.93	2467.88	2065.78	1728.90
90.0	8557.01	8050.54	6277.14	4485.31	3354.97	2643.61	2197.00	1831.73	1527.85
120.0	8514.80	7870.98	6393.78	4775.38	3568.30	2853.87	2356.61	1987.50	1669.81
150.0	8428.86	8289.20	7685.27	6686.91	5670.91	4661.81	3862.97	3186.15	2644.38
180.0	8441.90	8392.79	8251.59	8060.52	7855.63	7638.46	7425.13	7208.73	6984.66
210.0	8915.37	8591.54	7843.35	6928.64	5855.08	4925.79	4103.93	3420.96	2871.52
240.0	8896.96	8262.34	6693.82	5070.82	3826.90	2991.23	2427.21	2045.06	1712.78
270.0	8557.01	7554.05	5624.87	4020.28	3058.76	2422.61	2097.24	1735.80	1441.82
300.0	8514.80	7864.07	6301.69	4745.45	3601.30	2876.89	2346.64	1967.55	1652.16
330.0	8428.86	8039.80	7256.31	6233.40	5257.29	4329.54	3588.25	2990.46	2520.06
360.0	8441.90	8394.33	8250.06	8050.54	7846.42	7624.65	7402.11	7197.99	6960.87
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	6689.98	6313.20	5848.94	5214.32	4535.96	3767.82	3022.69	2412.63	1863.96
30.0	2631.33	2194.70	1827.12	1524.01	1284.59	1074.33	903.97	768.14	646.90
60.0	1459.93	1219.21	1025.37	852.71	713.58	593.80	498.26	421.83	362.28
90.0	1270.77	1057.44	867.90	717.50	601.62	505.70	432.80	389.06	336.49
120.0	1412.59	1180.30	993.68	829.15	691.71	586.66	498.56	428.20	373.79
150.0	2238.44	1884.68	1589.24	1345.21	1149.53	976.87	840.28	717.50	613.13
180.0	6693.05	6311.67	5766.83	5087.70	4312.65	3569.83	2846.20	2219.25	1731.20
210.0	2406.49	2034.31	1694.37	1430.54	1202.55	1018.00	861.30	734.92	620.81
240.0	1432.69	1215.52	1013.70	847.95	702.15	590.88	494.19	421.29	365.73
270.0	1190.05	983.32	797.00	652.27	542.00	449.30	381.92	330.43	291.68
300.0	1383.58	1171.78	977.64	818.79	686.03	575.53	485.75	418.99	368.34
330.0	2123.33	1791.82	1529.53	1295.79	1109.01	931.90	802.75	686.19	589.42
360.0	6689.98	6313.20	5848.94	5214.32	4535.96	3767.82	3022.69	2412.63	1863.96
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	1421.18	1090.44	841.81	643.83	499.56	392.90	309.33	247.33	202.82
30.0	548.67	467.33	400.57	344.78	298.36	258.07	225.53	199.36	175.96
60.0	318.08	281.17	253.23	229.29	209.34	192.38	178.26	165.14	153.17
90.0	302.12	274.49	252.54	233.59	217.86	202.89	189.16	171.28	159.15
120.0	333.04	298.20	271.42	248.09	227.91	210.11	194.99	180.41	166.98
150.0	531.02	458.12	396.73	346.24	304.26	266.66	237.58	211.49	188.54
180.0	1335.23	1033.89	781.50	611.37	474.16	375.25	296.51	236.89	196.83
210.0	529.18	456.36	388.75	333.81	287.61	250.63	219.47	193.07	171.59
240.0	318.69	284.24	254.54	230.37	210.49	193.92	178.72	165.60	153.94
270.0	261.37	238.58	218.55	202.74	189.77	176.57	165.91	155.09	144.65
300.0	325.29	293.91	266.20	243.41	224.53	208.04	192.84	179.80	166.75
330.0	506.78	437.63	380.93	331.89	290.22	254.77	228.06	203.43	182.41
360.0	1421.18	1090.44	841.81	643.83	499.56	392.90	309.33	247.33	202.82
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	172.35	154.01	140.97	129.30	111.65	102.60	94.69	87.02	79.04
30.0	156.77	140.74	128.08	117.26	107.74	99.30	90.93	82.80	74.74
60.0	142.89	132.30	122.86	112.88	103.75	93.08	82.26	71.60	61.39
90.0	147.49	136.75	126.54	114.42	102.52	90.01	80.27	70.37	61.47
120.0	155.09	143.50	132.99	122.70	112.80	101.52	89.94	79.12	68.37
150.0	169.05	153.40	138.43	125.31	114.88	105.90	96.31	86.33	77.66
180.0	169.67	151.86	138.59	128.00	109.27	99.53	91.16	82.26	73.98
210.0	153.09	138.28	124.55	114.72	105.36	96.54	88.63	80.42	72.44
240.0	142.66	132.30	122.01	112.65	103.21	93.16	81.65	71.06	60.78
270.0	134.37	123.93	113.65	101.75	89.40	77.89	68.53	58.93	50.95
300.0	154.63	143.42	132.99	122.47	111.96	94.62	80.19	69.29	58.93
330.0	164.06	148.87	135.90	125.31	115.95	106.97	98.76	89.78	80.50
360.0	172.35	154.01	140.97	129.30	111.65	102.60	94.69	87.02	79.04

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	71.52	62.08	52.57	43.13	34.15	24.33	14.50	4.91	1.00
30.0	66.53	57.55	47.96	36.99	26.63	18.80	9.44	2.69	0.84
60.0	52.10	44.58	37.45	27.32	18.88	10.05	2.76	1.53	0.92
90.0	54.25	46.35	30.46	21.49	14.89	6.98	2.07	1.61	0.92
120.0	58.78	50.19	38.68	26.01	17.88	9.52	2.46	1.53	0.92
150.0	60.09	53.64	40.36	29.01	23.02	15.96	8.59	3.15	0.84
180.0	65.84	55.63	46.27	37.60	29.16	21.33	12.58	2.69	0.77
210.0	64.08	54.71	44.58	34.30	24.25	16.96	7.98	2.15	0.77
240.0	51.57	44.58	37.29	27.86	18.03	10.67	3.53	1.61	1.00
270.0	44.35	37.06	27.40	18.72	12.35	5.91	2.07	1.53	0.92
300.0	49.65	42.67	35.30	26.17	17.96	10.05	3.07	1.69	1.00
330.0	71.06	60.70	44.43	32.84	24.56	16.73	7.83	2.23	0.92
360.0	71.52	62.08	52.57	43.13	34.15	24.33	14.50	4.91	1.00

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