

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1212A1-12-36DC-RC-Y (30-CL-12RGBWN-AJ, CT)

报告编号:

电压(V): 35.8000

测试编号: 20210417002

电流(A): 0.6160

光源规格型号: CL

功率(W): 22.1000

每个光源光通量(lm)

功率因数: 1.0350

光源数量: 12

镇流器型号:

发光面长度(mm): 131

发光面宽度(mm): 131

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 980.83

灯具效能(lm/w): 44.38

中心光强(cd): 1992.108

最大光强(cd): 2038.151

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=32.0

[C90/270]Total=31.9

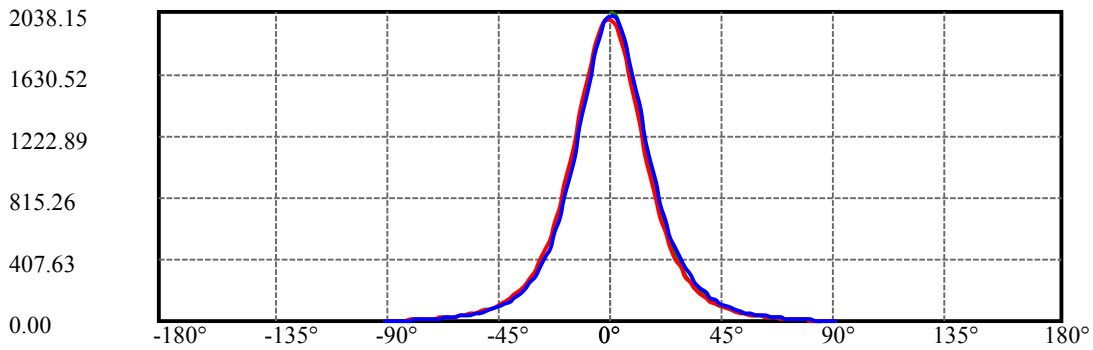
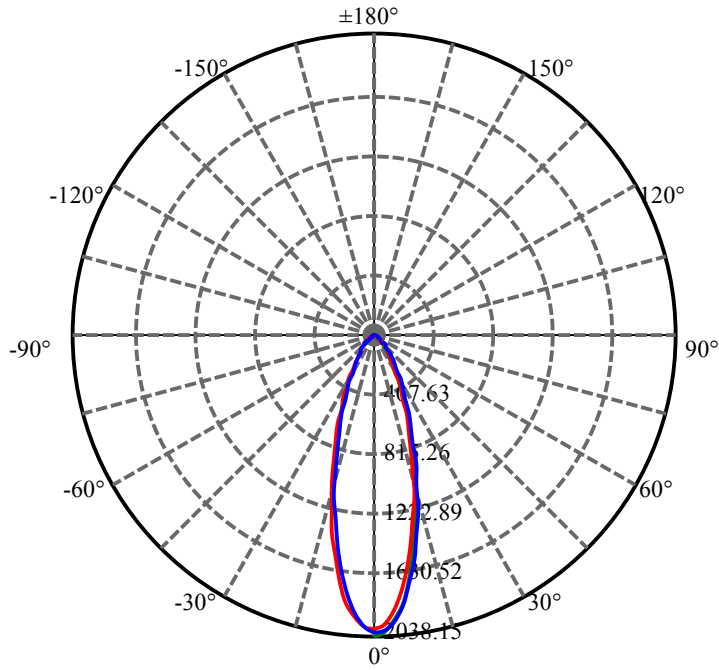
光束扩散角(10%Imax): [C0/180]Total=71.1

[C90/270]Total=71.5

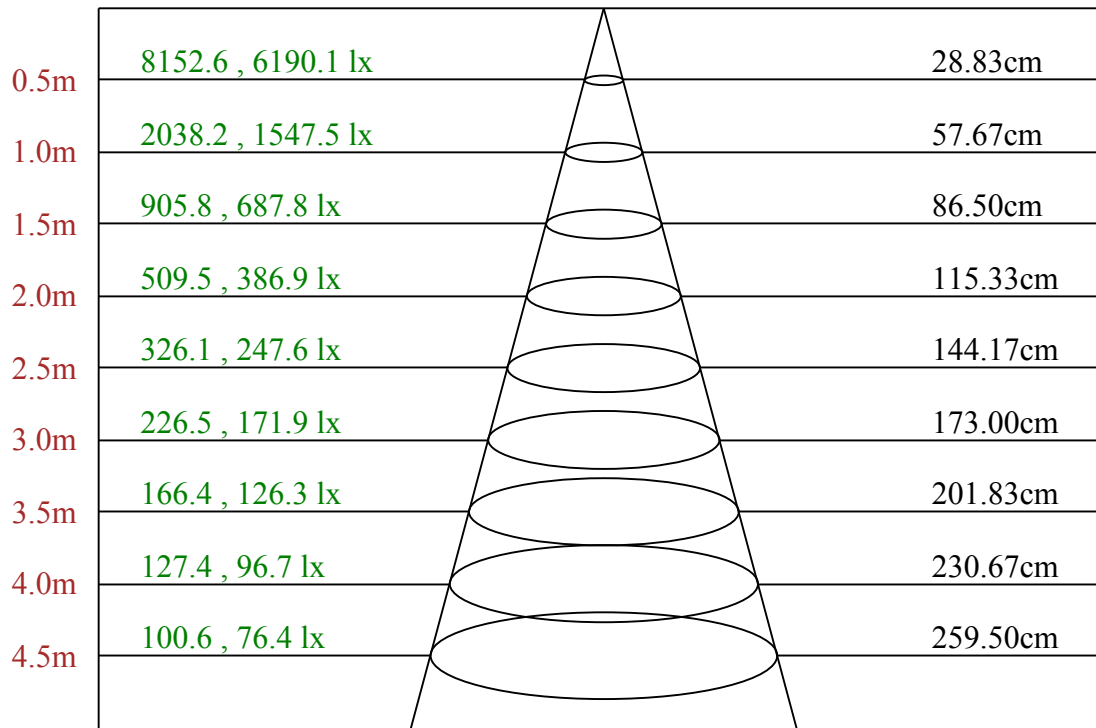
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

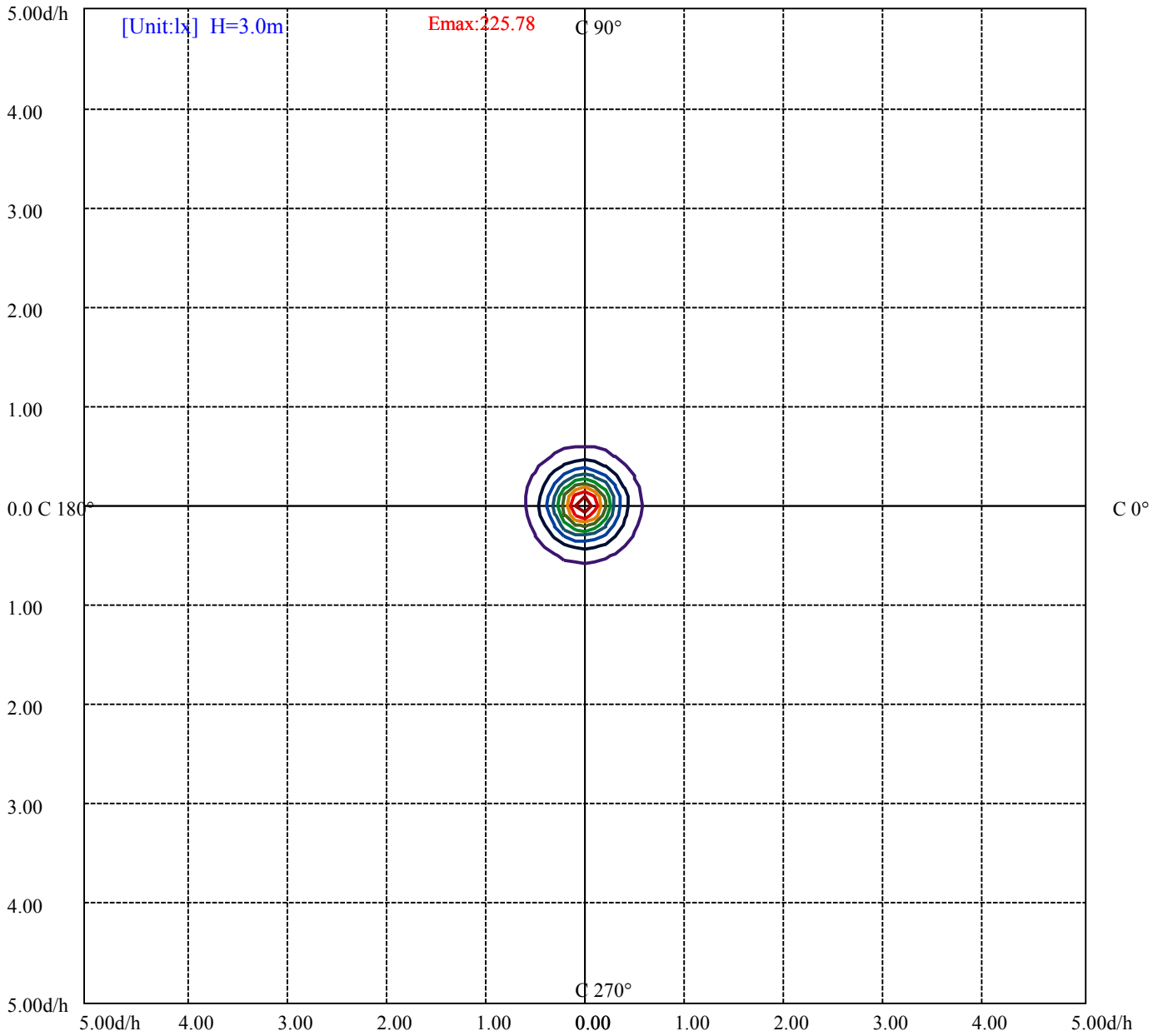


C30(Max): ————
C0/C180: ————
C90/C270: ————



Max , Ave C30面光束角32.17

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平面等照度曲线



(10%Emax) 22.57789	——
(20%Emax) 45.15578	——
(30%Emax) 67.73367	——
(40%Emax) 90.31144	——
(50%Emax) 112.8889	——
(60%Emax) 135.4678	——
(70%Emax) 158.0456	——
(80%Emax) 180.6233	——
(90%Emax) 203.2011	——

测试设备: GMS1800
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测试日期: 2021/4/17
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

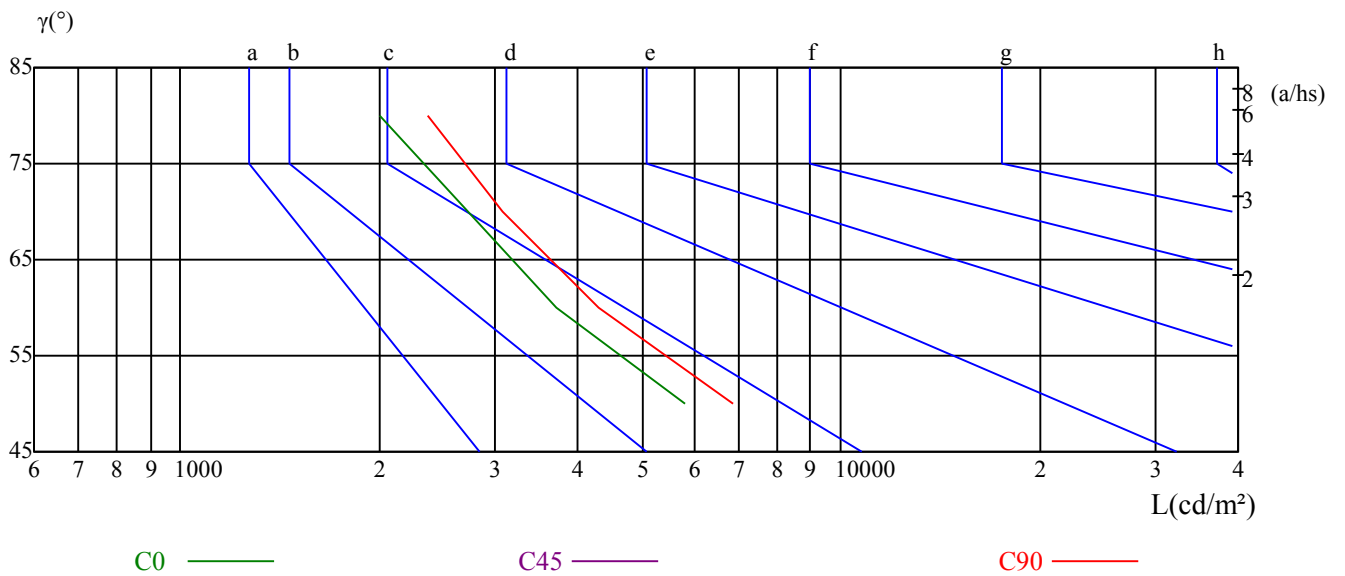
γ	45	50	55	60	65	70	75	80	85
C0	0	5823	0	3711	0	2719	0	2009	0
C45	0	0	0	0	0	0	0	0	0
C90	0	6859	0	4293	0	3072	0	2369	0

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

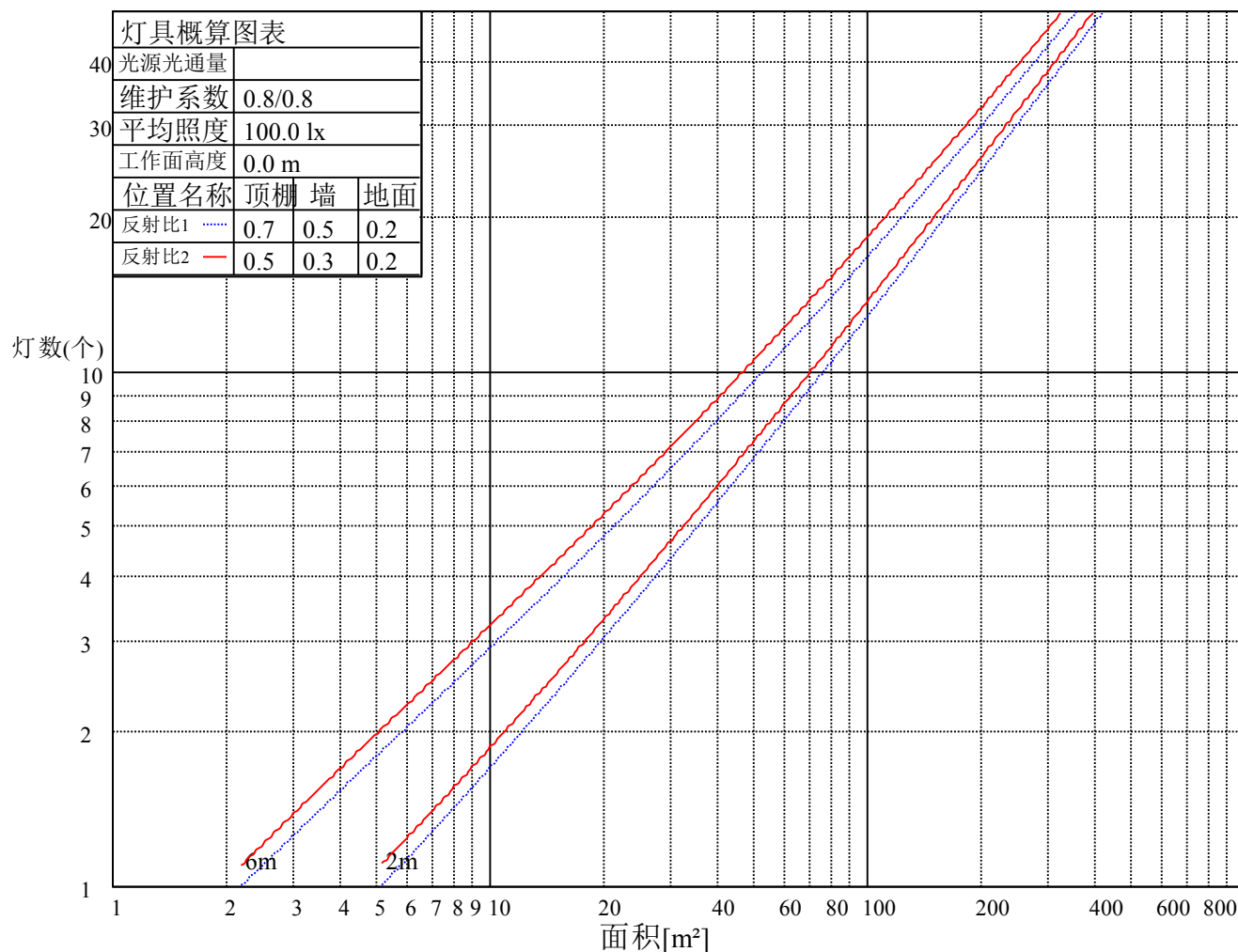
眩光等级表

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	13.39	14.50	13.75	14.81	15.12	13.24	14.35	13.60	14.66	14.97
	3H	14.41	15.39	14.79	15.72	16.09	14.26	15.24	14.64	15.58	15.94
	4H	14.77	15.68	15.17	16.03	16.42	14.62	15.53	15.03	15.89	16.27
	6H	15.01	15.85	15.43	16.22	16.61	14.88	15.71	15.29	16.08	16.48
	8H	15.08	15.86	15.51	16.26	16.67	14.95	15.73	15.38	16.13	16.53
	12H	15.16	15.91	15.60	16.30	16.73	15.04	15.79	15.47	16.17	16.60
4H	2H	13.65	14.56	14.06	14.91	15.30	13.52	14.43	13.93	14.79	15.17
	3H	14.86	15.60	15.28	16.01	16.42	14.74	15.49	15.16	15.89	16.30
	4H	15.32	15.99	15.76	16.41	16.85	15.21	15.87	15.64	16.29	16.74
	6H	15.61	16.18	16.08	16.63	17.10	15.50	16.07	15.97	16.52	16.99
	8H	15.71	16.24	16.18	16.69	17.16	15.61	16.14	16.08	16.59	17.06
	12H	15.81	16.27	16.30	16.76	17.24	15.71	16.17	16.20	16.66	17.14
8H	4H	15.43	15.96	15.90	16.41	16.88	15.32	15.85	15.80	16.30	16.78
	6H	15.82	16.24	16.33	16.74	17.23	15.72	16.15	16.23	16.65	17.13
	8H	15.98	16.36	16.51	16.88	17.38	15.89	16.27	16.42	16.79	17.29
	12H	16.64	16.97	17.16	17.47	18.04	16.55	16.88	17.07	17.38	17.96
12H	4H	15.41	15.87	15.90	16.36	16.83	15.30	15.77	15.79	16.25	16.73
	6H	16.21	16.21	16.36	16.68	17.22	16.11	16.11	16.27	16.58	17.13
	8H	16.03	16.36	16.55	16.86	17.43	15.94	16.27	16.46	16.77	17.35
对应照射距离，改变观察者位置S											
S = 1.0H	1.3/-1.3					1.1/-1.3					
S = 1.5H	2.5/-2.0					2.2/-2.0					
S = 2.0H	4.5/-2.2					4.1/-2.3					
标准表格	BK2					BK2					
更正系数	-1.2					-1.7					



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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	1.10	1.08	1.05	1.08	1.06	1.03	1.04	1.02	1.00	1.00	0.99	0.97	0.97	0.96	0.94	0.93
2	1.02	0.98	0.94	1.00	0.97	0.93	0.97	0.94	0.91	0.94	0.92	0.89	0.91	0.89	0.87	0.86
3	0.95	0.90	0.86	0.94	0.89	0.85	0.91	0.87	0.84	0.89	0.85	0.82	0.86	0.83	0.81	0.79
4	0.89	0.83	0.79	0.88	0.82	0.78	0.86	0.81	0.77	0.84	0.80	0.77	0.82	0.78	0.76	0.74
5	0.83	0.78	0.73	0.82	0.77	0.73	0.81	0.76	0.72	0.79	0.75	0.72	0.77	0.74	0.71	0.69
6	0.79	0.73	0.68	0.78	0.72	0.68	0.76	0.71	0.68	0.75	0.70	0.67	0.74	0.70	0.67	0.65
7	0.74	0.68	0.64	0.74	0.68	0.64	0.72	0.67	0.64	0.71	0.67	0.63	0.70	0.66	0.63	0.62
8	0.70	0.65	0.61	0.70	0.64	0.60	0.69	0.64	0.60	0.68	0.63	0.60	0.67	0.63	0.60	0.58
9	0.67	0.61	0.57	0.67	0.61	0.57	0.66	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.57	0.55
10	0.64	0.58	0.54	0.63	0.58	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.57	0.54	0.53

ROLED 投光灯

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	1992.11	1955.27	1870.10	1751.15	1605.35	1438.06	1270.77	1106.56	946.94
30.0	2038.15	2012.83	1936.86	1822.52	1683.62	1516.33	1341.37	1166.41	1008.33
60.0	2025.87	2001.32	1926.88	1814.84	1667.51	1519.10	1347.82	1182.22	1017.46
90.0	2013.59	2004.39	1946.07	1837.10	1707.41	1547.03	1386.65	1216.29	1052.07
120.0	2007.46	1995.18	1930.72	1827.12	1685.93	1525.31	1373.30	1210.38	1047.47
150.0	1995.18	1993.64	1943.00	1840.17	1715.09	1556.24	1397.39	1227.80	1064.35
180.0	1992.11	1979.06	1918.44	1815.61	1684.39	1527.62	1368.31	1204.40	1040.25
210.0	2038.15	2013.59	1939.16	1825.59	1687.46	1526.23	1360.56	1187.05	1017.39
240.0	2025.87	2001.32	1926.11	1814.08	1672.11	1505.59	1328.33	1166.41	999.89
270.0	2013.59	1974.46	1883.91	1758.83	1613.02	1448.88	1274.77	1103.95	949.40
300.0	2007.46	1968.32	1880.84	1758.83	1607.65	1437.30	1259.26	1098.88	937.73
330.0	1995.18	1949.90	1854.75	1723.53	1531.15	1410.59	1237.78	1068.80	916.71
360.0	1992.11	1955.27	1870.10	1751.15	1605.35	1438.06	1270.77	1106.56	946.94
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	802.68	686.03	577.07	488.82	409.78	349.00	293.91	251.24	212.18
30.0	857.16	723.64	613.13	513.37	433.57	361.97	307.03	258.68	219.93
60.0	869.21	734.99	624.80	526.88	442.70	375.78	317.31	267.89	226.84
90.0	910.11	777.35	660.71	561.72	480.38	407.48	350.77	298.28	253.31
120.0	900.98	768.14	658.87	561.18	477.46	410.47	350.84	299.58	256.23
150.0	922.39	788.10	670.69	570.93	488.05	414.38	354.60	304.49	259.22
180.0	892.84	759.17	648.20	548.98	467.03	393.89	333.04	281.47	238.12
210.0	874.12	738.75	617.66	518.59	438.02	365.42	309.71	260.45	218.78
240.0	848.72	723.64	606.99	511.07	429.73	360.74	302.42	255.00	216.32
270.0	807.05	687.57	576.45	486.06	412.93	346.32	292.98	247.86	210.95
300.0	791.16	673.76	565.56	478.08	401.34	343.86	290.84	249.78	212.26
330.0	778.27	663.01	556.27	470.02	400.42	337.88	287.15	243.72	208.42
360.0	802.68	686.03	577.07	488.82	409.78	349.00	293.91	251.24	212.18
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	180.03	154.93	132.14	113.34	97.76	84.80	73.44	64.23	55.71
30.0	186.86	158.92	136.67	117.26	100.99	87.10	75.97	65.92	57.55
60.0	194.22	165.14	142.04	121.78	104.75	90.32	78.73	68.14	59.09
90.0	215.79	184.02	158.08	135.37	117.26	100.83	86.87	75.66	65.30
120.0	221.00	189.08	163.14	140.20	120.55	103.75	90.24	77.97	67.38
150.0	221.39	189.00	162.61	139.20	120.48	103.44	89.17	77.58	67.15
180.0	203.74	173.04	148.41	127.00	108.89	93.62	81.34	70.37	60.93
210.0	185.47	158.85	134.90	115.72	100.45	86.48	75.05	65.00	56.71
240.0	182.71	156.85	133.45	114.19	98.61	85.49	74.05	64.46	56.33
270.0	179.72	153.01	131.45	113.19	97.46	83.95	73.44	63.77	55.63
300.0	180.79	156.31	133.83	115.11	99.61	86.71	75.13	65.84	57.02
330.0	178.18	153.55	131.22	113.03	97.38	84.10	73.59	63.85	55.71
360.0	180.03	154.93	132.14	113.34	97.76	84.80	73.44	64.23	55.71
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	48.27	41.98	36.37	31.85	27.86	24.40	21.33	18.57	15.96
30.0	50.11	43.59	38.22	33.30	28.93	25.17	22.02	19.03	16.35
60.0	51.64	44.81	39.14	33.69	29.39	25.40	21.95	18.95	16.11
90.0	56.48	48.88	42.59	36.83	32.15	27.86	24.17	21.03	18.03
120.0	58.70	50.80	43.89	37.99	33.07	28.55	24.86	21.41	18.26
150.0	58.01	50.26	43.82	37.75	33.00	28.39	24.33	20.95	17.80
180.0	53.10	46.04	40.06	34.76	30.46	26.55	23.10	20.26	17.57
210.0	49.42	43.05	37.75	33.00	29.01	25.32	22.18	19.18	16.73
240.0	48.96	43.05	37.14	32.46	28.47	24.86	21.64	18.72	15.96
270.0	48.57	42.28	36.83	32.38	28.24	24.79	21.72	18.88	16.35
300.0	49.73	43.36	37.68	33.07	28.85	25.17	21.95	19.03	16.27
330.0	48.57	42.28	36.76	32.15	27.93	24.17	21.03	18.03	15.42
360.0	48.27	41.98	36.37	31.85	27.86	24.40	21.33	18.57	15.96

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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	13.66	11.59	9.44	7.75	5.99	4.37	2.92	1.61	0.15
30.0	14.04	11.89	9.82	7.98	6.52	4.68	3.15	1.76	0.31
60.0	13.66	11.51	9.59	7.75	6.22	4.53	3.22	1.92	0.38
90.0	15.42	13.05	10.90	8.90	7.06	5.29	3.68	2.30	0.92
120.0	15.50	13.12	10.90	8.90	7.06	5.37	3.68	2.30	0.92
150.0	15.12	12.66	10.59	8.59	7.06	5.29	3.76	2.46	1.07
180.0	15.19	12.66	10.74	8.75	7.06	5.14	3.68	2.30	1.00
210.0	14.43	12.28	10.44	8.59	6.91	5.06	3.30	2.00	0.61
240.0	13.74	11.74	9.59	7.83	6.22	4.68	3.22	1.84	0.54
270.0	14.04	11.74	9.67	7.83	6.06	4.30	2.99	1.61	0.23
300.0	13.89	11.89	9.82	8.13	6.37	4.53	2.84	1.53	0.15
330.0	13.05	10.97	9.06	7.29	5.68	4.07	2.61	1.30	0.15
360.0	13.66	11.59	9.44	7.75	5.99	4.37	2.92	1.61	0.15

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