

浙大三色

Email:sensing@sensingm.com

Tel:+86 571 85021543 Fax:+86 571 87977635

ROLED

灯具名称: 投光灯

灯具描述: F1014A-18-UN (60-OL-18WN-AJ, CT)

报告编号:

电压(V): 219.4000

测试编号: 20210418002

电流(A): 0.1120

光源规格型号: OL

功率(W): 23.3000

每个光源光通量(lm)

功率因数: 0.9440

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): 1817.35

灯具效能(lm/w): 78.00

中心光强(cd): 1757.291

最大光强(cd): 1761.128

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=53.7

[C90/270]Total=53.9

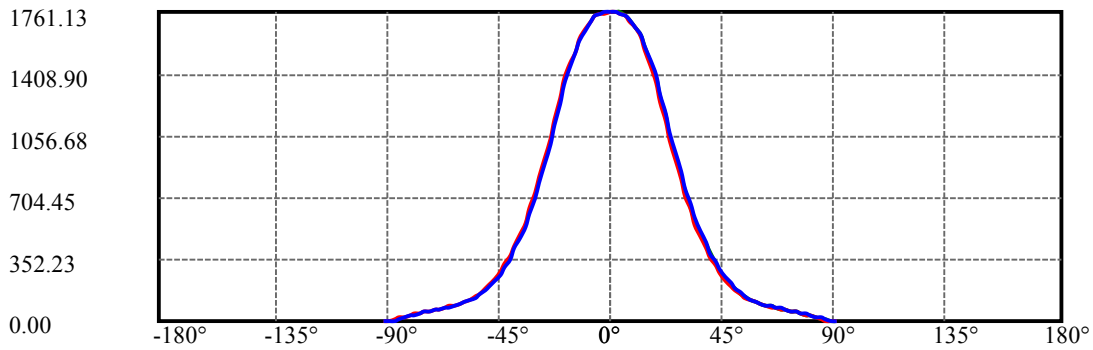
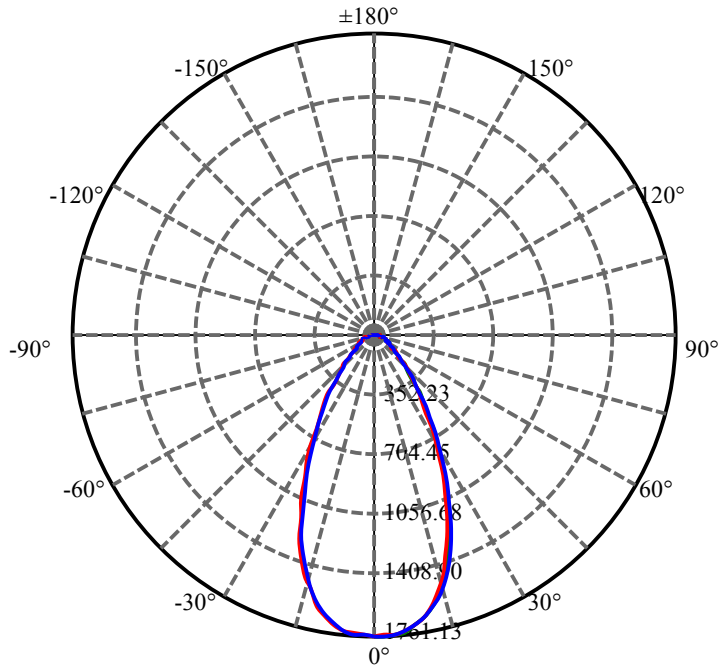
光束扩散角(10%Imax): [C0/180]Total=100.5

[C90/270]Total=100.5

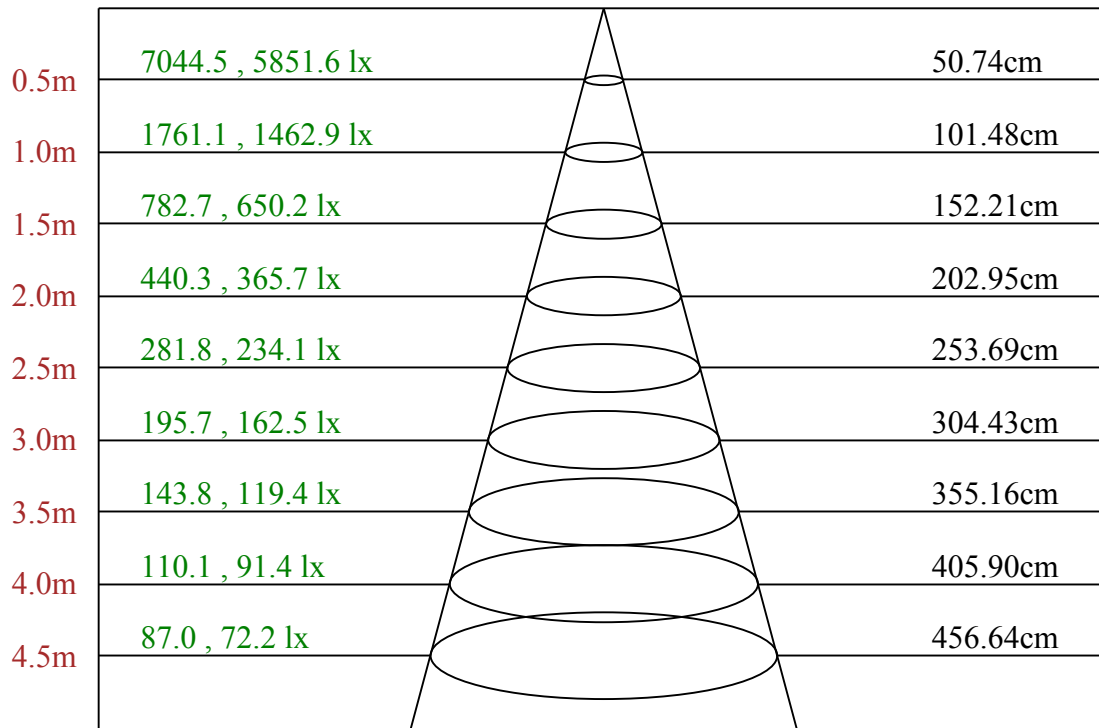
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/18
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

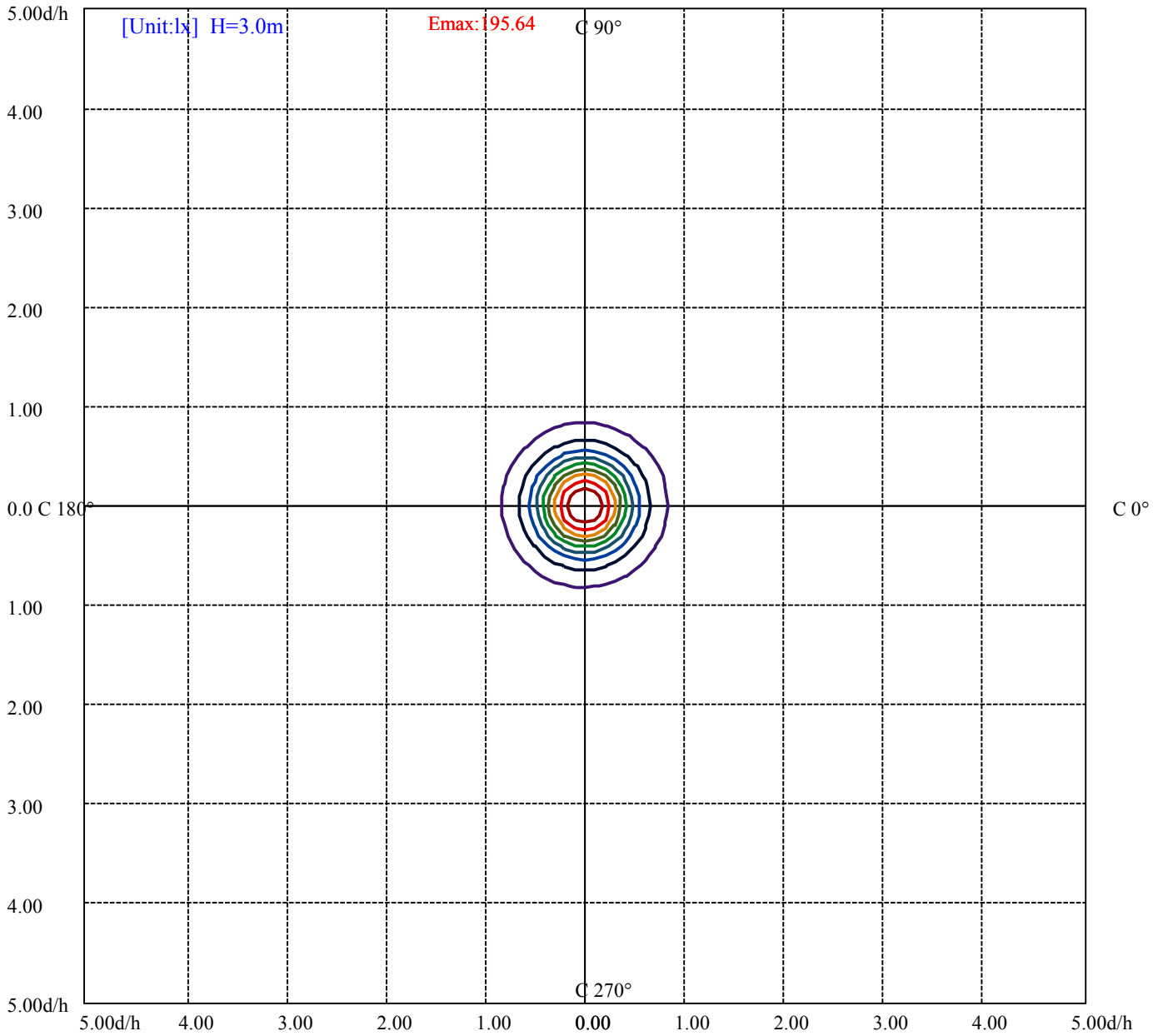


C30(Max): ——
C0/C180: ——
C90/C270: ——



Max , Ave C30面光束角53.80

ROLED 投光灯
平面等照度曲线



- (10%Emax) 19.56378
- (20%Emax) 39.12767
- (30%Emax) 58.69145
- (40%Emax) 78.25533
- (50%Emax) 97.81911
- (60%Emax) 117.3833
- (70%Emax) 136.9467
- (80%Emax) 156.5111
- (90%Emax) 176.0744

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测试日期: 2021/4/18
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

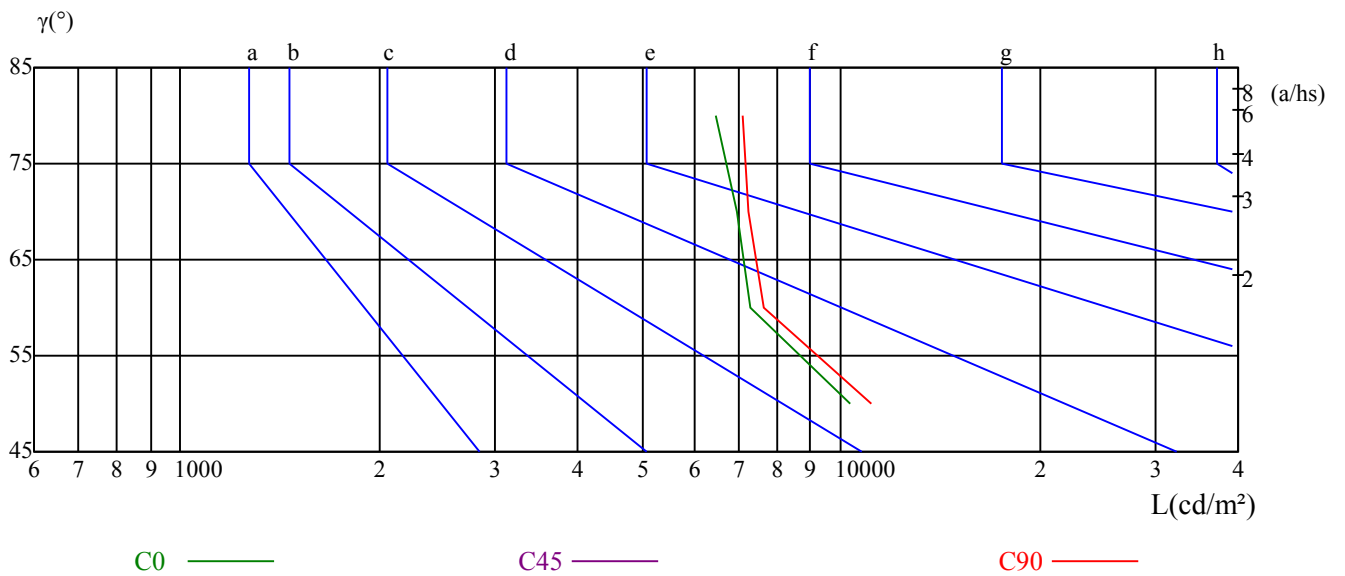
γ	45	50	55	60	65	70	75	80	85
C0	0	10353	0	7298	0	6959	0	6449	0
C45	0	0	0	0	0	0	0	0	0
C90	0	11140	0	7643	0	7250	0	7106	0

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

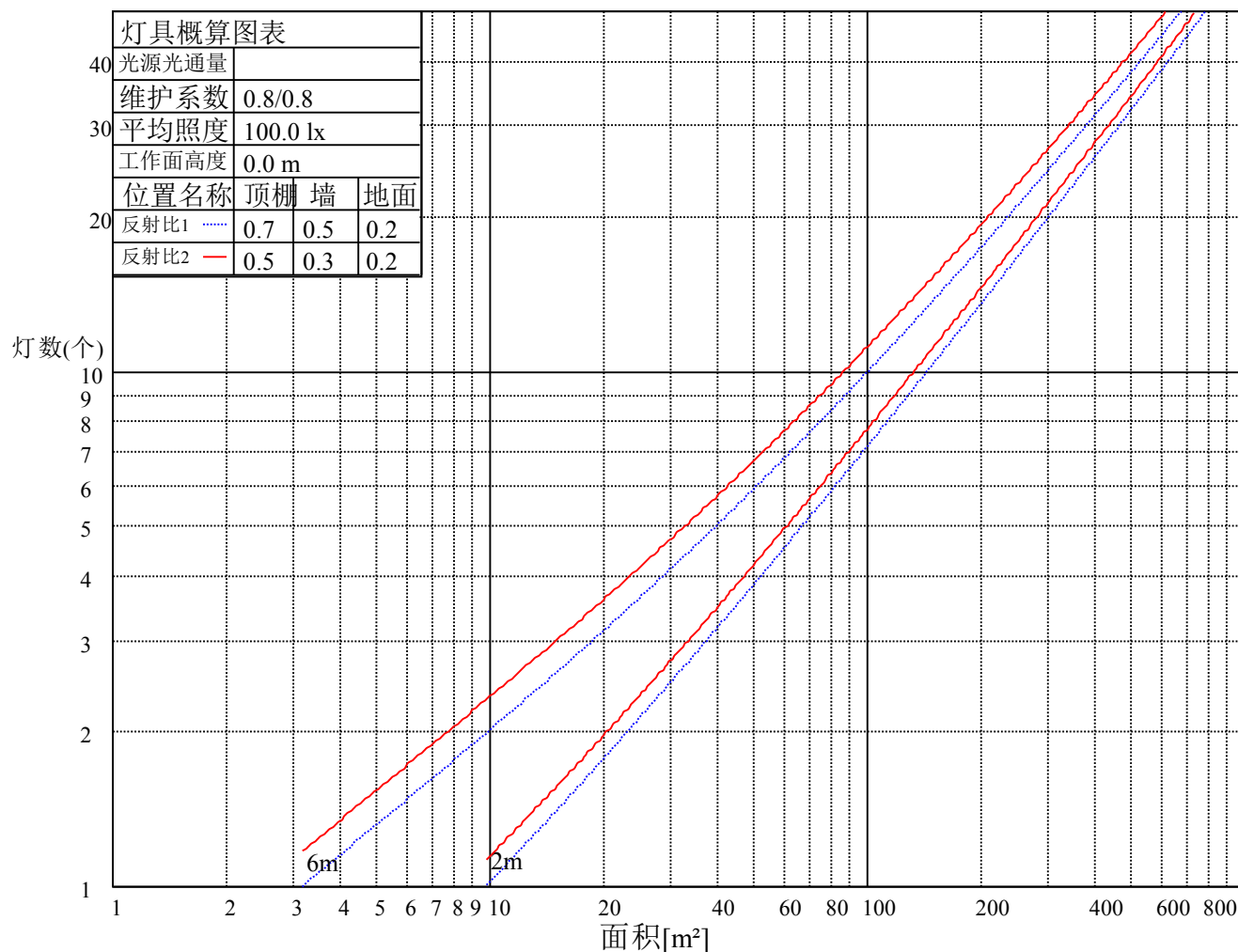
亮度限制曲线



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	14.34	15.58	14.71	15.90	16.21	14.32	15.56	14.69	15.88	16.19
	3H	16.05	17.15	16.43	17.48	17.84	16.03	17.13	16.41	17.46	17.83
	4H	16.79	17.82	17.19	18.17	18.55	16.78	17.81	17.18	18.16	18.54
	6H	17.37	18.31	17.79	18.69	19.08	17.37	18.32	17.79	18.69	19.08
	8H	17.55	18.44	17.98	18.83	19.24	17.56	18.45	17.99	18.84	19.25
	12H	17.74	18.59	18.17	18.98	19.41	17.75	18.60	18.18	18.99	19.42
4H	2H	14.82	15.85	15.22	16.20	16.58	14.80	15.83	15.21	16.18	16.57
	3H	16.78	17.62	17.19	18.03	18.43	16.76	17.61	17.18	18.01	18.42
	4H	17.67	18.43	18.10	18.85	19.29	17.66	18.42	18.09	18.84	19.28
	6H	18.26	18.92	18.73	19.37	19.83	18.27	18.92	18.73	19.37	19.84
	8H	18.50	19.11	18.97	19.56	20.03	18.51	19.12	18.98	19.57	20.04
8H	12H	18.70	19.24	19.19	19.72	20.20	18.71	19.25	19.20	19.73	20.21
	4H	17.96	18.57	18.43	19.02	19.49	17.95	18.56	18.42	19.01	19.48
	6H	18.71	19.21	19.21	19.70	20.19	18.71	19.21	19.22	19.71	20.19
	8H	19.02	19.47	19.55	19.98	20.48	19.03	19.48	19.56	19.99	20.49
12H	12H	19.65	20.04	20.17	20.54	21.11	19.66	20.05	20.18	20.55	21.12
	4H	17.98	18.52	18.47	19.00	19.48	17.97	18.51	18.46	18.99	19.47
	6H	19.31	19.21	19.30	19.68	20.23	19.31	19.22	19.30	19.68	20.23
	8H	19.13	19.52	19.65	20.01	20.59	19.14	19.53	19.66	20.02	20.60
对应照射距离，改变观察者位置S											
S = 1.0H	0.7/-1.0					0.7/-1.0					
S = 1.5H	1.3/-1.2					1.3/-1.2					
S = 2.0H	2.6/-1.2					2.5/-1.2					
标准表格	BK3					BK3					
更正系数	3.3					3.1					

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灯具的概算曲线



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	1.08	1.05	1.02	1.06	1.03	1.01	1.02	1.00	0.98	0.98	0.96	0.95	0.95	0.93	0.92	0.90
2	0.99	0.94	0.90	0.97	0.92	0.89	0.94	0.90	0.87	0.91	0.87	0.85	0.88	0.85	0.83	0.81
3	0.90	0.84	0.80	0.89	0.83	0.79	0.86	0.81	0.78	0.84	0.80	0.76	0.81	0.78	0.75	0.73
4	0.83	0.77	0.72	0.82	0.76	0.71	0.80	0.74	0.70	0.78	0.73	0.69	0.76	0.72	0.69	0.67
5	0.77	0.70	0.65	0.76	0.70	0.65	0.74	0.68	0.64	0.72	0.67	0.63	0.71	0.66	0.63	0.61
6	0.72	0.65	0.60	0.71	0.64	0.59	0.69	0.63	0.59	0.68	0.62	0.58	0.66	0.62	0.58	0.56
7	0.67	0.60	0.55	0.66	0.59	0.55	0.65	0.59	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.52
8	0.62	0.56	0.51	0.62	0.55	0.51	0.61	0.55	0.51	0.60	0.54	0.50	0.58	0.54	0.50	0.49
9	0.59	0.52	0.47	0.58	0.52	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.45
10	0.55	0.49	0.44	0.55	0.48	0.44	0.54	0.48	0.44	0.53	0.48	0.44	0.52	0.47	0.44	0.42

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	1757.29	1756.52	1752.69	1736.57	1708.95	1669.04	1614.56	1545.50	1454.94
30.0	1761.13	1760.36	1757.29	1742.71	1715.85	1672.88	1625.30	1560.08	1480.27
60.0	1760.36	1758.83	1752.69	1737.34	1708.18	1670.58	1622.23	1558.54	1483.95
90.0	1759.59	1757.29	1750.38	1737.34	1712.78	1672.88	1625.30	1569.28	1488.71
120.0	1759.59	1753.45	1745.01	1731.20	1705.11	1664.44	1618.40	1560.08	1487.64
150.0	1758.83	1754.99	1748.08	1735.04	1708.95	1673.65	1625.30	1563.91	1489.48
180.0	1757.29	1754.22	1748.08	1736.57	1708.95	1667.51	1613.02	1529.07	1467.30
210.0	1761.13	1757.29	1750.38	1735.04	1703.57	1656.76	1603.82	1529.69	1457.25
240.0	1760.36	1755.76	1751.15	1737.34	1707.41	1665.21	1609.19	1542.43	1459.55
270.0	1759.59	1755.76	1749.62	1735.80	1702.81	1656.76	1598.44	1531.61	1442.28
300.0	1759.59	1757.29	1751.15	1736.57	1708.95	1667.51	1613.79	1547.80	1458.01
330.0	1758.83	1757.29	1748.85	1734.27	1702.81	1660.60	1606.12	1528.46	1449.96
360.0	1757.29	1756.52	1752.69	1736.57	1708.95	1669.04	1614.56	1545.50	1454.94

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1360.56	1252.36	1139.55	1023.68	916.25	809.58	712.89	630.02	549.44
30.0	1385.11	1278.45	1167.95	1051.31	940.04	836.44	740.52	649.97	567.86
60.0	1393.55	1284.13	1167.79	1050.38	944.49	842.50	743.36	654.96	572.00
90.0	1401.23	1296.10	1183.29	1068.95	962.29	856.39	758.93	670.69	586.28
120.0	1393.48	1287.73	1176.39	1058.36	952.08	848.87	749.19	655.88	577.68
150.0	1392.79	1291.49	1177.15	1065.89	952.31	846.42	752.03	659.18	577.07
180.0	1373.83	1266.71	1152.06	1042.56	929.52	825.31	734.46	643.67	563.02
210.0	1358.33	1250.36	1135.72	1019.77	910.72	806.90	715.89	627.18	547.14
240.0	1355.95	1254.66	1128.04	1012.17	906.27	808.81	712.89	626.18	552.51
270.0	1341.99	1237.85	1116.15	1001.58	897.75	790.93	697.70	611.21	536.32
300.0	1352.88	1246.99	1124.97	1005.26	897.83	798.07	699.85	615.44	540.23
330.0	1352.96	1238.47	1119.60	1002.35	893.46	792.62	697.16	611.29	531.79
360.0	1360.56	1252.36	1139.55	1023.68	916.25	809.58	712.89	630.02	549.44

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	481.14	418.22	363.28	313.24	272.50	233.44	202.28	174.65	150.71
30.0	498.79	433.57	389.06	324.83	281.93	242.49	210.41	181.33	156.93
60.0	498.03	431.80	376.32	324.68	281.86	242.49	208.80	180.03	155.85
90.0	511.07	445.08	388.29	337.42	293.06	251.93	216.78	187.93	162.15
120.0	503.55	436.94	380.70	328.82	283.09	243.10	210.49	180.64	155.78
150.0	502.63	439.71	389.06	333.89	288.00	247.48	212.64	184.32	158.77
180.0	491.73	430.57	373.94	326.52	282.24	243.49	210.11	182.64	157.93
210.0	482.37	419.75	362.82	314.70	273.72	235.58	205.43	177.42	153.55
240.0	480.38	419.75	363.58	316.39	273.49	236.81	203.97	176.88	153.09
270.0	468.71	410.55	354.91	307.56	265.13	229.37	198.14	170.89	149.10
300.0	470.40	412.85	354.83	308.33	266.28	229.83	197.37	170.28	147.80
330.0	466.33	404.48	351.07	302.96	260.45	222.77	191.69	165.91	142.58
360.0	481.14	418.22	363.28	313.24	272.50	233.44	202.28	174.65	150.71

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	131.68	117.02	105.44	95.77	88.17	80.96	74.36	68.22	62.46
30.0	137.74	121.55	108.89	98.68	90.86	83.41	76.89	70.75	64.46
60.0	137.13	120.94	108.89	98.76	90.32	82.95	76.66	70.14	63.85
90.0	140.97	123.93	110.96	100.30	91.39	84.41	77.35	71.14	65.07
120.0	136.06	119.48	106.67	95.15	86.79	79.35	73.05	66.84	61.08
150.0	137.44	121.25	107.28	96.69	87.63	80.04	73.05	66.84	61.31
180.0	137.97	122.70	109.73	99.38	90.78	83.87	77.12	70.83	65.07
210.0	134.90	120.25	107.89	98.61	90.78	83.41	77.35	70.91	64.54
240.0	134.98	119.94	107.36	97.84	89.86	82.49	75.97	70.52	64.00
270.0	130.84	116.87	104.52	95.69	87.71	80.65	74.67	68.45	62.46
300.0	128.61	114.03	101.37	92.01	83.95	77.12	70.68	64.77	58.78
330.0	125.39	110.66	98.84	90.01	82.03	74.97	68.53	62.92	56.94
360.0	131.68	117.02	105.44	95.77	88.17	80.96	74.36	68.22	62.46

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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	56.40	50.03	43.43	36.53	29.39	20.64	13.20	5.14	0.46
30.0	58.40	52.26	45.28	37.83	30.62	22.71	15.12	7.44	0.69
60.0	57.94	51.34	44.81	37.22	30.08	22.56	15.27	7.75	1.23
90.0	59.24	52.95	46.73	39.83	32.38	24.63	16.88	9.36	2.00
120.0	55.48	49.57	43.36	36.91	30.39	23.02	15.88	8.82	2.00
150.0	55.56	50.03	43.97	37.68	31.08	23.79	16.50	9.67	2.53
180.0	59.16	53.18	46.12	39.60	32.46	24.71	17.04	9.44	2.07
210.0	58.63	52.26	45.74	38.29	31.00	23.48	15.65	7.83	1.07
240.0	57.94	51.80	44.81	37.99	30.00	22.56	14.81	7.29	0.84
270.0	56.48	50.03	43.13	36.45	28.32	20.41	13.12	5.29	0.46
300.0	53.10	47.12	40.75	34.22	27.17	19.34	12.20	4.91	0.46
330.0	51.41	45.28	38.91	32.31	25.32	17.80	10.97	3.91	0.38
360.0	56.40	50.03	43.43	36.53	29.39	20.64	13.20	5.14	0.46
C/γ(°)	90.0								
0.0	0.15								
30.0	0.15								
60.0	0.15								
90.0	0.15								
120.0	0.15								
150.0	0.23								
180.0	0.23								
210.0	0.15								
240.0	0.15								
270.0	0.15								
300.0	0.08								
330.0	0.15								
360.0	0.15								