

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F3255S6--48-24DC(4020-OD-48WN-AA.L1000.C.CT)

报告编号:

电压(V): 24.1000

测试编号: 20210406016

电流(A): 0.6140

光源规格型号: OD

功率(W): 14.8000

每个光源光通量(lm)

功率因数: 1.0240

光源数量: 48

镇流器型号:

发光面长度(mm): 1000

发光面宽度(mm): 20

测试模式: C

发光面高度(mm): 0

光度结果

灯具光通量(lm): 1052.94

灯具效能(lm/w): 71.14

中心光强(cd): 1971.389

最大光强(cd): 2025.105

最大光强角度: C=30.0 $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=28.7

[C90/270]Total=39.3

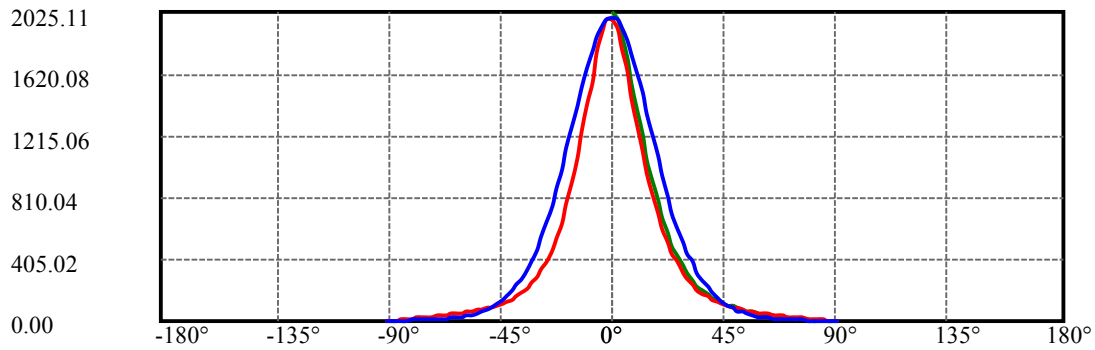
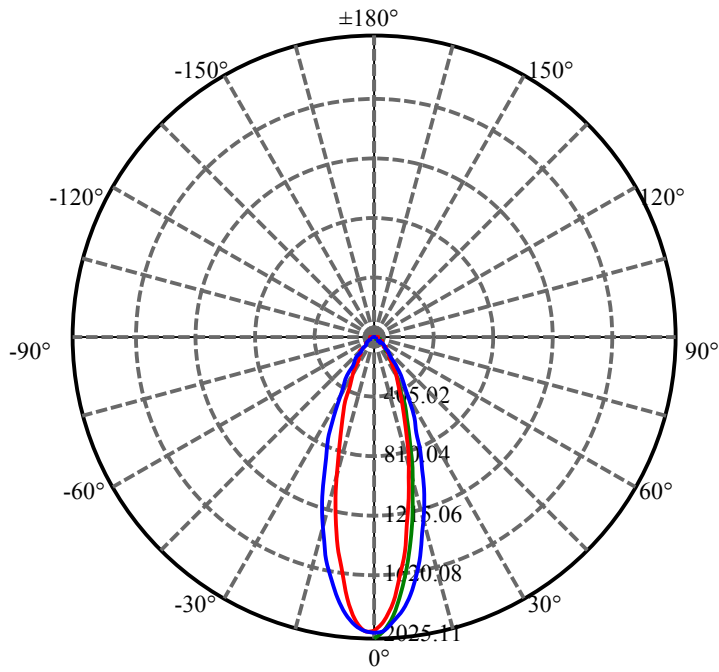
光束扩散角(10%Imax): [C0/180]Total=70.0

[C90/270]Total=79.1

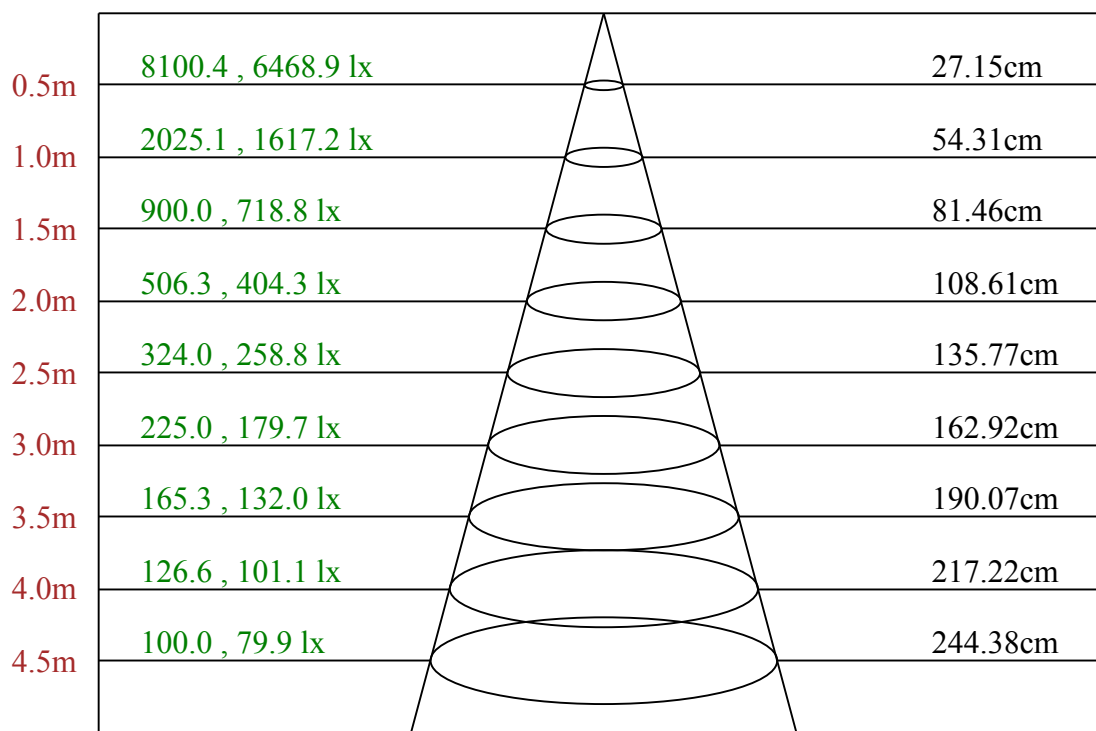
测试设备: GMS1800
环境温度(°C): 25.0

测试日期: 2021/4/6
环境湿度(%): 60.0%

测试人员: anpeilou
测试距离(m): 8.76

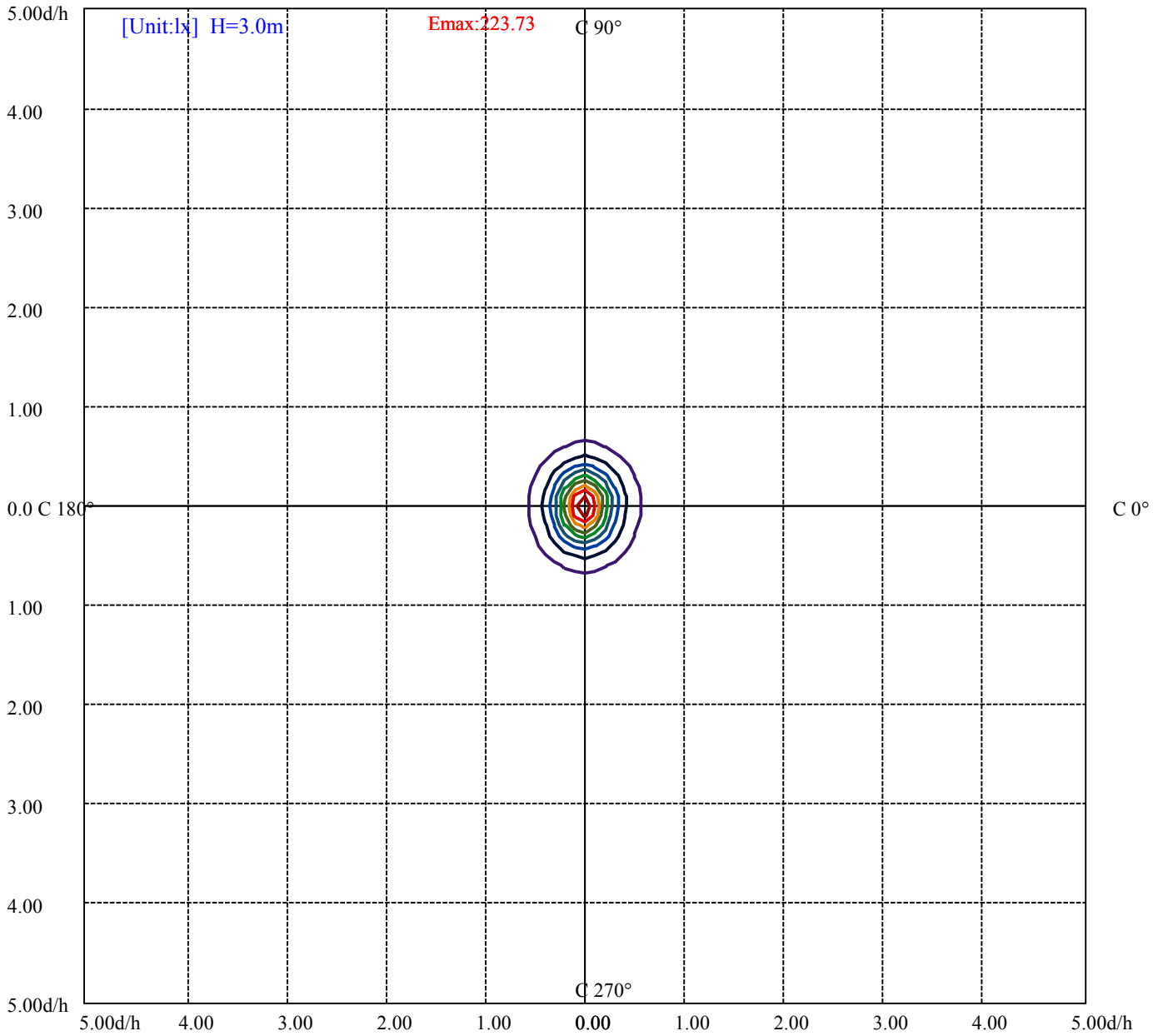


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角30.38

ROLED 投光灯
平面等照度曲线



(10%Emax) 22.37322	—
(20%Emax) 44.74644	—
(30%Emax) 67.11967	—
(40%Emax) 89.49277	—
(50%Emax) 111.8656	—
(60%Emax) 134.2389	—
(70%Emax) 156.6122	—
(80%Emax) 178.9855	—
(90%Emax) 201.3589	—

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灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

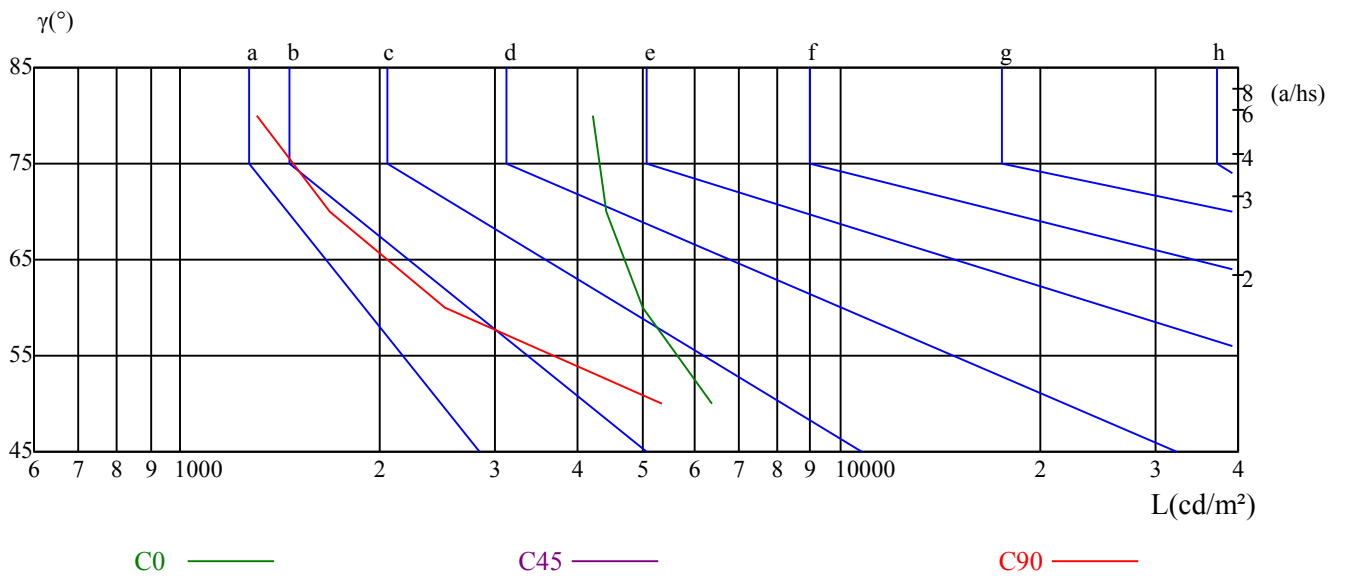
γ	45	50	55	60	65	70	75	80	85
C0	0	6393	0	5019	0	4409	0	4220	0
C45	0	0	0	0	0	0	0	0	0
C90	0	5348	0	2509	0	1683	0	1304	0

L横(65)	L纵(65)	L45(65)	L横(75)	L纵(75)	L45(75)	L横(85)	L纵(85)	L45(85)
34136	0	0	0	0	0	0	0	0

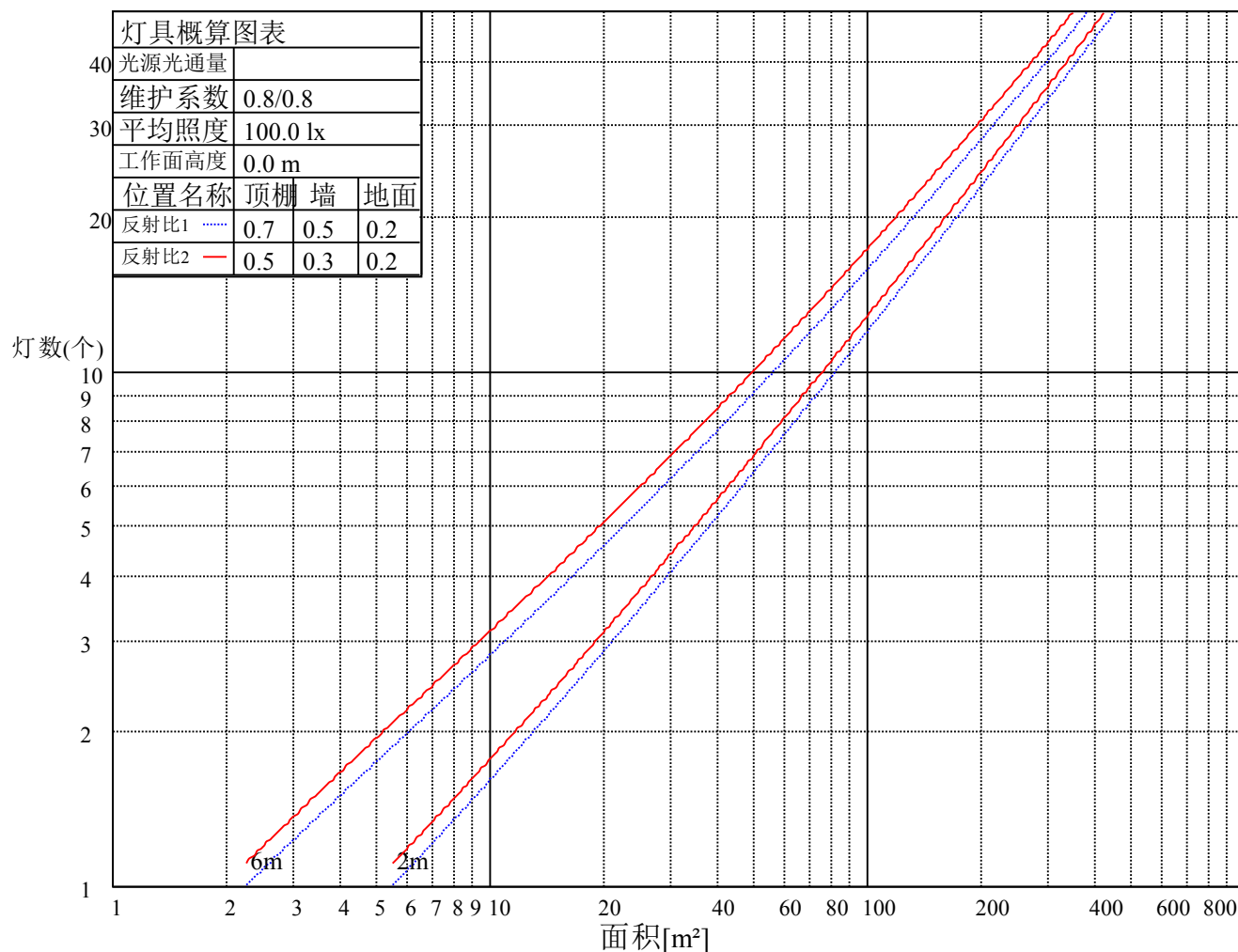
眩光等级表

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	11.90	13.04	12.26	13.35	13.67	14.41	15.55	14.78	15.86	16.18
	3H	12.59	13.60	12.97	13.93	14.30	15.82	16.83	16.20	17.16	17.53
	4H	12.81	13.75	13.22	14.10	14.49	16.41	17.35	16.82	17.70	18.09
	6H	12.99	13.85	13.41	14.22	14.62	16.92	17.78	17.33	18.15	18.54
	8H	13.07	13.88	13.50	14.27	14.68	17.10	17.92	17.54	18.31	18.71
	12H	13.22	14.00	13.66	14.38	14.81	17.35	18.12	17.78	18.50	18.94
4H	2H	12.38	13.31	12.78	13.67	14.05	14.52	15.46	14.93	15.81	16.20
	3H	13.20	13.96	13.61	14.37	14.78	16.08	16.84	16.49	17.25	17.65
	4H	13.47	14.15	13.90	14.57	15.02	16.74	17.42	17.17	17.84	18.29
	6H	13.67	14.25	14.13	14.70	15.17	17.26	17.85	17.73	18.30	18.77
	8H	13.78	14.33	14.25	14.77	15.25	17.50	18.05	17.98	18.50	18.97
	12H	13.96	14.44	14.45	14.93	15.40	17.78	18.26	18.27	18.75	19.23
8H	4H	13.64	14.19	14.11	14.64	15.11	16.69	17.24	17.16	17.69	18.16
	6H	13.91	14.35	14.42	14.85	15.34	17.25	17.69	17.75	18.19	18.67
	8H	14.09	14.48	14.61	15.00	15.49	17.53	17.93	18.06	18.45	18.94
	12H	14.80	15.14	15.32	15.64	16.21	18.35	18.69	18.87	19.19	19.77
12H	4H	13.63	14.11	14.12	14.60	15.08	16.65	17.13	17.14	17.61	18.09
	6H	14.34	14.33	14.46	14.79	15.34	17.62	17.60	17.74	18.07	18.62
	8H	14.15	14.49	14.66	14.99	15.56	17.52	17.86	18.04	18.36	18.94
对应照射距离，改变观察者位置S											
S = 1.0H	2.0/-2.4					0.6/-0.9					
S = 1.5H	3.8/-3.6					1.4/-1.2					
S = 2.0H	5.8/-4.0					2.9/-1.7					
标准表格	BK2					BK2					
更正系数	-2.1					-0.5					



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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	1.07	1.05	1.08	1.05	1.03	1.04	1.02	1.00	1.00	0.98	0.97	0.96	0.95	0.94	0.92
2	1.02	0.97	0.94	1.00	0.96	0.93	0.97	0.93	0.91	0.94	0.91	0.89	0.91	0.89	0.87	0.85
3	0.94	0.89	0.85	0.93	0.88	0.84	0.90	0.86	0.83	0.88	0.84	0.82	0.86	0.83	0.80	0.79
4	0.88	0.82	0.78	0.87	0.81	0.77	0.85	0.80	0.76	0.83	0.79	0.75	0.81	0.77	0.75	0.73
5	0.82	0.76	0.72	0.82	0.76	0.72	0.80	0.75	0.71	0.78	0.74	0.70	0.76	0.73	0.70	0.68
6	0.78	0.71	0.67	0.77	0.71	0.67	0.75	0.70	0.66	0.74	0.69	0.66	0.72	0.68	0.65	0.64
7	0.73	0.67	0.63	0.72	0.67	0.63	0.71	0.66	0.62	0.70	0.65	0.62	0.69	0.65	0.62	0.60
8	0.69	0.63	0.59	0.69	0.63	0.59	0.68	0.62	0.59	0.66	0.62	0.58	0.66	0.61	0.58	0.57
9	0.66	0.60	0.56	0.65	0.60	0.56	0.64	0.59	0.55	0.63	0.59	0.55	0.62	0.58	0.55	0.54
10	0.62	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.60	0.56	0.52	0.60	0.55	0.52	0.51

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	1971.39	1906.16	1782.61	1631.44	1458.01	1278.45	1111.16	966.13	827.23
30.0	2025.11	1973.69	1871.63	1727.36	1560.08	1384.35	1221.66	1062.05	915.48
60.0	2002.08	1959.88	1876.23	1764.20	1628.37	1494.54	1342.52	1196.57	1048.77
90.0	1992.11	1972.16	1919.97	1840.17	1744.25	1623.77	1497.15	1358.26	1216.29
120.0	1983.67	1971.39	1920.74	1833.26	1711.25	1529.07	1425.94	1272.77	1113.46
150.0	1967.55	1969.85	1916.14	1797.96	1656.00	1482.57	1310.68	1136.48	972.27
180.0	1971.39	1969.09	1896.95	1765.73	1566.21	1422.41	1235.71	1066.04	904.51
210.0	2025.11	2015.13	1944.53	1824.05	1670.58	1496.31	1314.13	1136.02	979.10
240.0	2002.08	2004.39	1965.25	1890.05	1779.54	1643.72	1493.31	1345.98	1186.36
270.0	1992.11	1979.06	1936.86	1864.72	1773.41	1657.53	1526.39	1409.21	1266.86
300.0	1983.67	1954.51	1883.91	1787.99	1665.21	1521.71	1381.28	1233.94	1086.60
330.0	1967.55	1908.46	1794.13	1649.86	1501.60	1329.79	1167.95	1014.32	881.64
360.0	1971.39	1906.16	1782.61	1631.44	1458.01	1278.45	1111.16	966.13	827.23
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	707.52	607.76	514.14	439.71	389.06	320.46	275.49	239.81	207.42
30.0	791.16	677.59	582.44	495.72	422.82	362.28	312.86	268.97	232.13
60.0	914.18	789.09	682.58	584.97	498.87	427.81	364.35	309.33	262.29
90.0	1077.40	950.01	823.39	707.52	607.76	514.14	438.17	388.29	311.40
120.0	965.44	824.16	704.07	596.79	502.78	427.66	364.58	311.32	266.43
150.0	833.37	706.75	597.02	504.17	430.50	378.09	315.85	270.81	233.21
180.0	766.07	644.83	546.99	461.96	390.44	334.04	285.92	245.87	212.64
210.0	835.29	707.29	602.70	511.30	436.94	367.88	317.39	271.88	236.20
240.0	1036.72	905.50	775.05	667.62	566.32	482.68	409.78	352.76	297.51
270.0	1129.19	992.75	870.90	755.02	652.12	553.59	469.86	395.05	334.88
300.0	950.78	831.84	716.73	621.57	534.09	455.82	389.83	335.88	284.70
330.0	759.78	655.65	558.65	477.15	409.78	349.23	299.97	257.61	224.30
360.0	707.52	607.76	514.14	439.71	389.06	320.46	275.49	239.81	207.42
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	181.56	160.84	141.66	125.93	112.11	100.53	90.47	82.19	74.36
30.0	202.82	176.57	154.55	135.67	120.25	106.05	94.39	83.41	73.82
60.0	225.22	191.84	164.99	141.20	120.63	102.52	87.10	74.44	62.23
90.0	261.52	221.39	185.63	154.63	128.84	105.97	85.56	68.76	56.71
120.0	228.83	194.45	167.36	144.73	122.63	104.29	89.55	76.35	64.00
150.0	201.90	175.42	154.09	135.06	119.63	105.74	93.93	84.10	74.97
180.0	186.47	163.14	144.50	128.38	115.03	103.60	94.23	85.79	78.04
210.0	205.43	178.80	157.54	139.05	122.63	108.66	97.46	86.79	77.58
240.0	252.70	216.63	183.40	156.47	133.68	114.88	98.45	84.72	71.21
270.0	281.47	237.35	197.98	165.29	136.59	111.27	91.16	73.98	60.16
300.0	242.87	208.65	177.19	151.63	129.69	111.27	95.08	80.65	68.30
330.0	195.22	171.28	149.87	131.99	116.03	102.44	91.32	80.80	71.98
360.0	181.56	160.84	141.66	125.93	112.11	100.53	90.47	82.19	74.36
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	67.53	61.70	55.33	50.19	45.28	40.90	37.06	33.38	30.16
30.0	65.53	57.17	50.42	43.97	38.37	33.53	28.93	24.63	20.41
60.0	52.49	44.05	36.53	30.62	25.78	21.56	18.34	15.50	12.66
90.0	45.12	37.06	30.08	25.09	21.33	18.19	15.81	13.58	11.51
120.0	54.02	45.35	37.60	31.39	26.01	21.49	18.03	15.35	12.58
150.0	66.76	59.39	53.03	46.81	41.44	36.30	31.39	26.78	22.48
180.0	71.60	65.46	59.78	54.41	49.73	44.89	40.29	36.45	32.69
210.0	69.75	62.23	55.33	49.11	43.43	37.91	33.15	28.16	23.64
240.0	60.32	50.80	42.67	35.99	30.08	25.32	21.49	18.34	15.42
270.0	48.96	39.98	33.00	27.78	23.56	20.57	18.11	15.73	13.66
300.0	57.71	48.34	40.44	34.38	29.08	24.86	21.33	18.42	15.42
330.0	63.62	55.63	48.81	42.90	37.22	32.31	28.01	23.71	19.88
360.0	67.53	61.70	55.33	50.19	45.28	40.90	37.06	33.38	30.16

ROLED 投光灯

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	26.93	23.79	20.80	17.80	14.66	11.28	7.75	4.76	1.92
30.0	16.50	13.12	9.98	7.14	4.37	2.76	2.00	1.38	0.69
60.0	9.98	7.52	6.14	5.29	4.07	3.22	2.84	1.76	0.31
90.0	9.44	7.98	7.21	5.99	4.53	4.07	3.45	2.23	0.54
120.0	10.21	7.67	6.06	5.29	4.14	3.15	2.92	2.07	0.69
150.0	18.26	14.43	11.36	8.44	5.91	3.91	3.22	2.46	2.07
180.0	29.31	25.71	22.64	19.34	16.19	12.89	9.29	5.37	1.69
210.0	19.49	15.04	11.66	8.59	5.76	3.45	2.69	1.61	1.23
240.0	12.97	10.28	7.98	6.68	5.91	4.53	3.68	3.07	1.84
270.0	11.51	9.59	8.67	7.60	6.29	4.91	4.53	3.45	1.76
300.0	12.82	10.13	7.83	6.91	5.91	4.45	3.84	3.22	1.84
330.0	16.42	13.51	10.74	8.44	5.68	4.07	3.45	2.61	2.00
360.0	26.93	23.79	20.80	17.80	14.66	11.28	7.75	4.76	1.92

C/γ(°)	90.0
0.0	0.08
30.0	0.08
60.0	0.00
90.0	0.00
120.0	0.08
150.0	1.30
180.0	0.08
210.0	0.31
240.0	0.23
270.0	0.15
300.0	0.46
330.0	1.07
360.0	0.08