

浙大三色

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ROLED

灯具名称: 投光灯

灯具描述: F1014A-18-UN (45-OL-18WN-AJ, CT)

报告编号:

电压(V): 219.3000

测试编号: 20210418001

电流(A): 0.1130

光源规格型号: OL

功率(W): 23.4000

每个光源光通量(lm)

功率因数: 0.9460

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): 1846.41

灯具效能(lm/w): 78.91

中心光强(cd): 2414.165

最大光强(cd): 2425.676

最大光强角度: $C=30.0$ $\gamma=0.0$

半峰边角(50%Imax): [C0/180]Total=42.6

[C90/270]Total=42.5

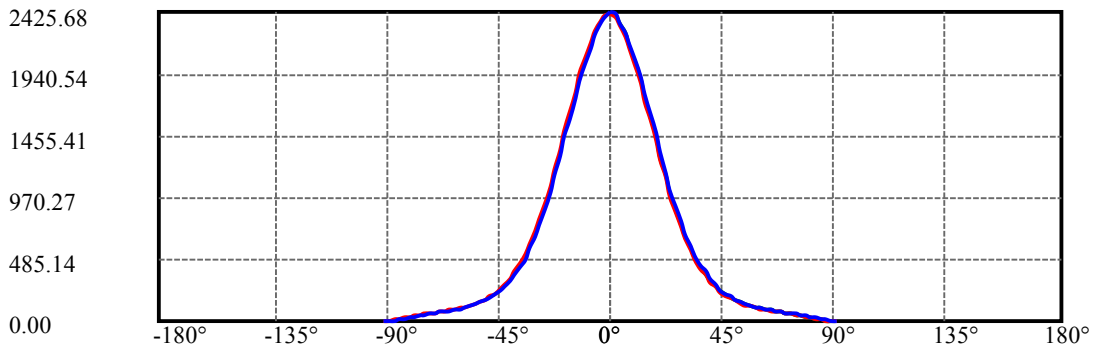
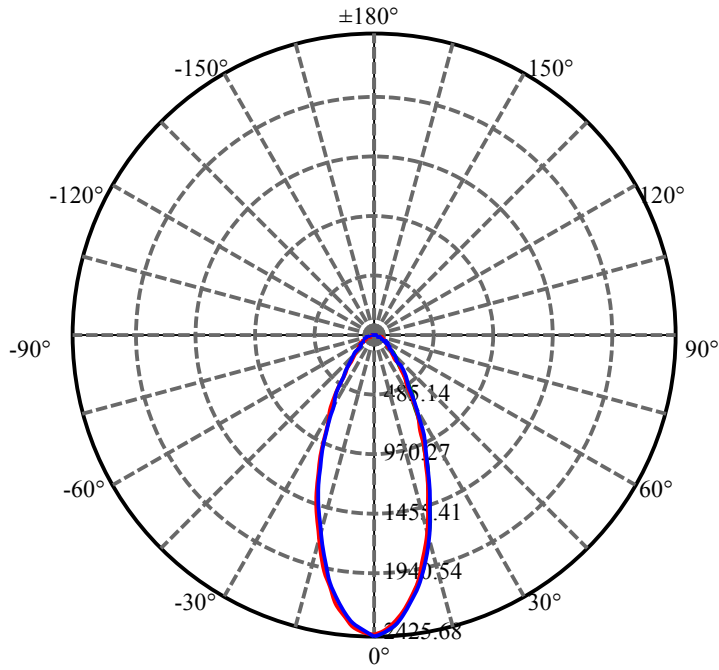
光束扩散角(10%Imax): [C0/180]Total=88.0

[C90/270]Total=87.9

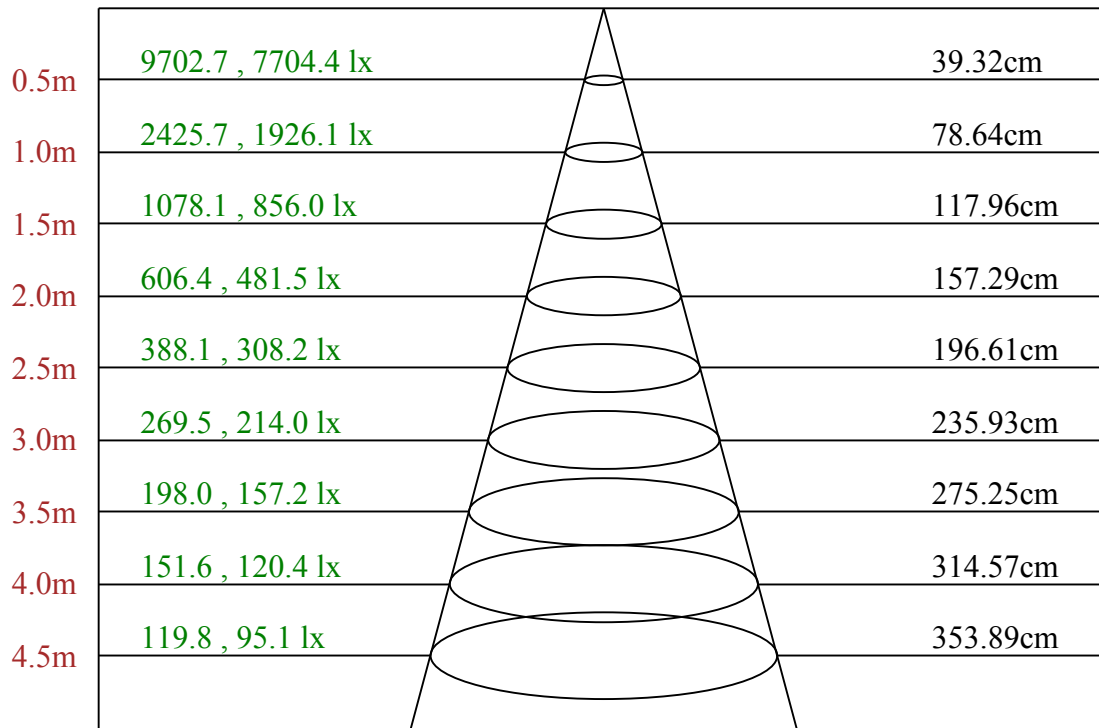
测试设备: GMS1800
环境温度(°C): 25.0

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

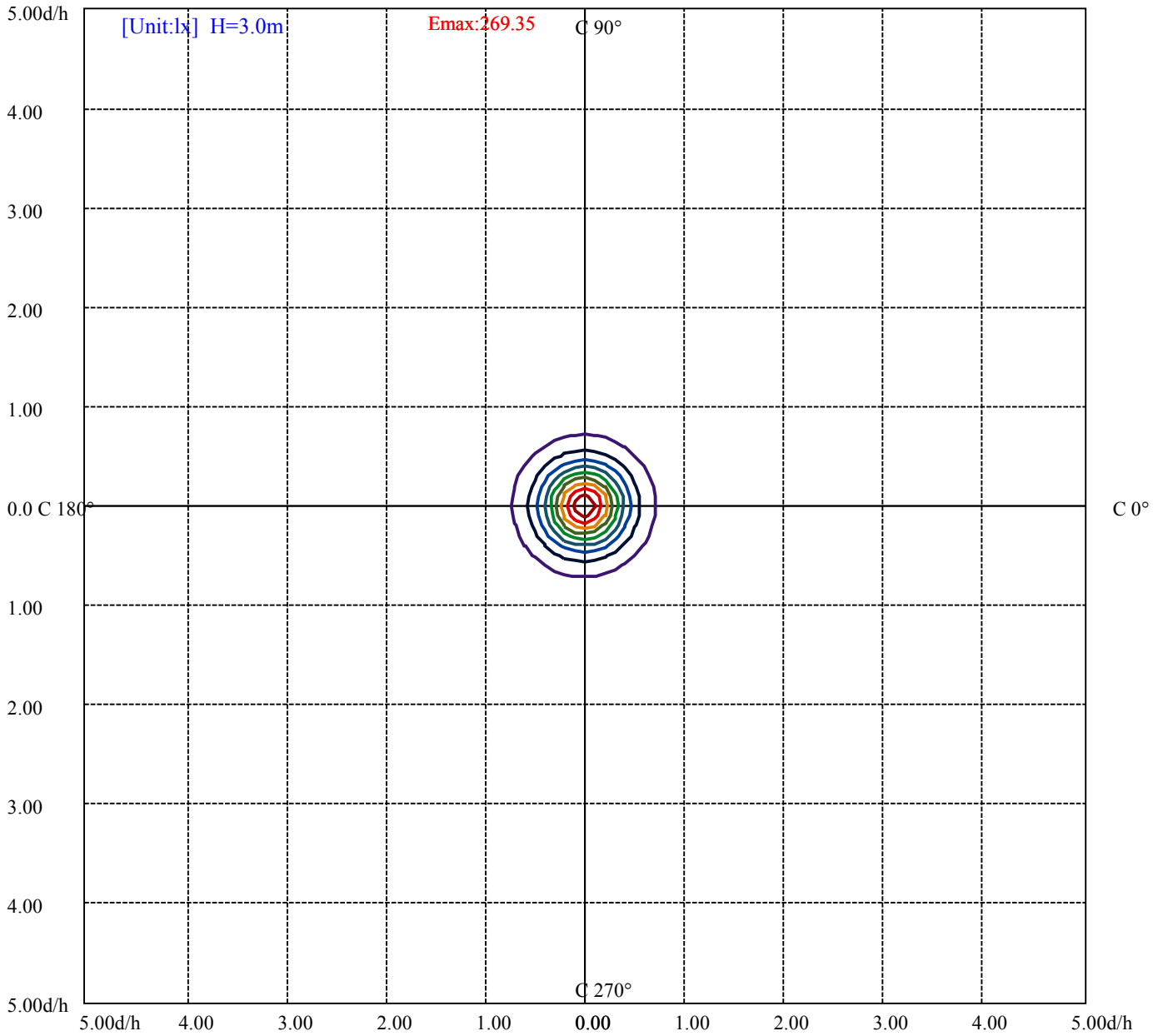


C30(Max): —
C0/C180: —
C90/C270: —



Max , Ave C30面光束角42.93

ROLED 投光灯
平面等照度曲线



(10%Emax) 26.93489	——
(20%Emax) 53.86978	——
(30%Emax) 80.80466	——
(40%Emax) 107.7394	——
(50%Emax) 134.6744	——
(60%Emax) 161.6089	——
(70%Emax) 188.5444	——
(80%Emax) 215.4789	——
(90%Emax) 242.4133	——

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ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

亮度值表

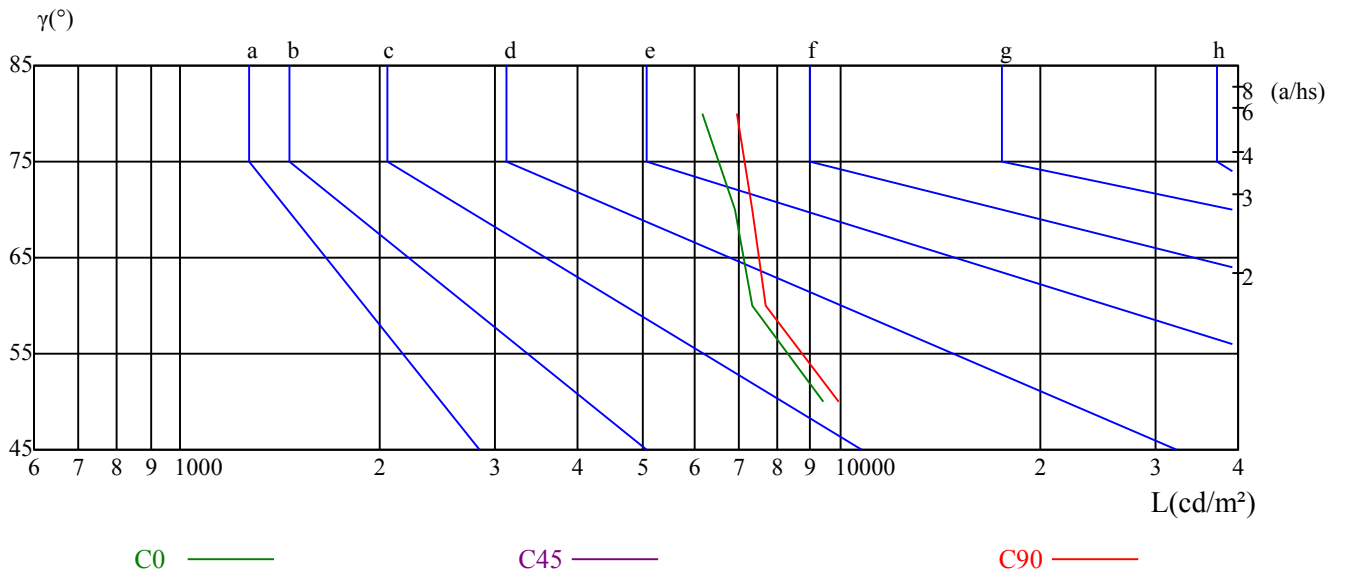
γ	45	50	55	60	65	70	75	80	85
C0	0	9384	0	7328	0	6908	0	6180	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9930	0	7708	0	7335	0	6954	0

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

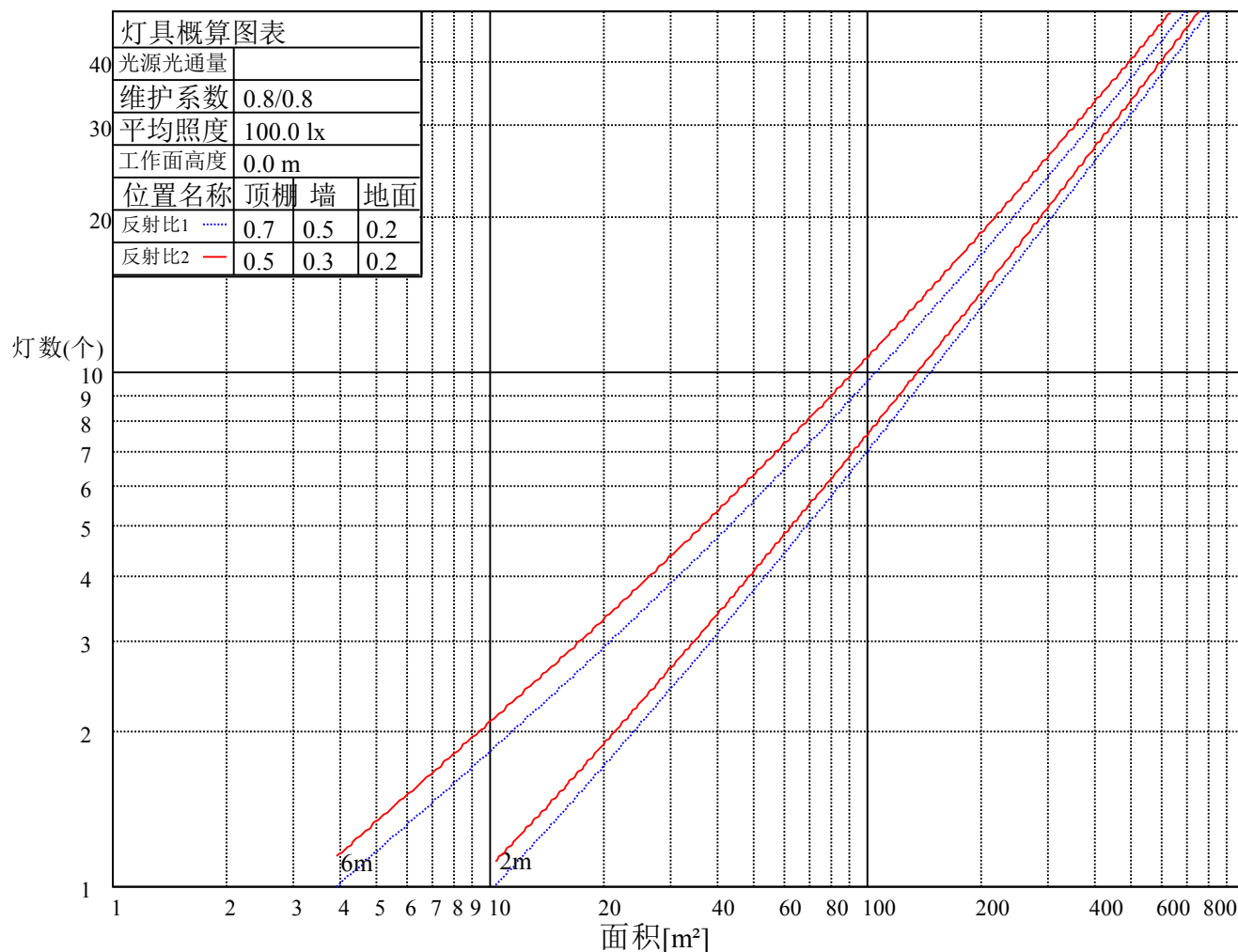
眩光等级	质量等级	使用照度(lx)							
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h

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	14.33	15.55	14.69	15.86	16.17	14.24	15.46	14.60	15.77	16.09
	3H	16.06	17.14	16.44	17.48	17.84	15.97	17.05	16.35	17.38	17.75
	4H	16.78	17.79	17.19	18.15	18.53	16.70	17.71	17.10	18.06	18.45
	6H	17.34	18.27	17.76	18.64	19.03	17.26	18.19	17.68	18.56	18.96
	8H	17.51	18.39	17.94	18.78	19.19	17.44	18.32	17.87	18.71	19.11
	12H	17.69	18.53	18.12	18.91	19.34	17.62	18.46	18.05	18.84	19.27
4H	2H	14.83	15.84	15.23	16.19	16.58	14.76	15.77	15.16	16.12	16.50
	3H	16.81	17.65	17.23	18.05	18.45	16.72	17.55	17.13	17.96	18.36
	4H	17.68	18.42	18.11	18.84	19.29	17.58	18.33	18.02	18.75	19.19
	6H	18.25	18.89	18.72	19.34	19.81	18.16	18.81	18.63	19.25	19.72
	8H	18.48	19.08	18.95	19.52	20.00	18.39	18.99	18.86	19.44	19.91
	12H	18.67	19.20	19.16	19.68	20.16	18.58	19.11	19.07	19.59	20.07
8H	4H	17.96	18.56	18.43	19.01	19.48	17.88	18.48	18.35	18.92	19.40
	6H	18.69	19.18	19.19	19.67	20.16	18.60	19.09	19.10	19.58	20.07
	8H	18.99	19.43	19.52	19.95	20.44	18.90	19.34	19.43	19.85	20.35
	12H	19.64	20.02	20.15	20.51	21.09	19.54	19.92	20.06	20.42	20.99
12H	4H	17.97	18.50	18.46	18.99	19.46	17.90	18.42	18.38	18.91	19.38
	6H	19.26	19.18	19.27	19.65	20.19	19.17	19.10	19.19	19.56	20.11
	8H	19.10	19.48	19.61	19.97	20.55	19.01	19.39	19.52	19.88	20.46
对应照射距离，改变观察者位置S											
S = 1.0H	0.6/-0.8					0.6/-0.8					
S = 1.5H	1.1/-1.0					1.1/-1.0					
S = 2.0H	2.2/-1.0					2.2/-1.1					
标准表格	BK3					BK3					
更正系数	2.9					2.6					

ROLED 投光灯 灯具的概算曲线



ROLED 投光灯

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	1.09	1.06	1.03	1.06	1.04	1.01	1.02	1.00	0.98	0.99	0.97	0.95	0.95	0.94	0.92	0.91
2	0.99	0.95	0.90	0.98	0.93	0.89	0.94	0.91	0.87	0.91	0.88	0.85	0.88	0.86	0.84	0.82
3	0.91	0.85	0.81	0.90	0.84	0.80	0.87	0.83	0.79	0.85	0.81	0.78	0.82	0.79	0.76	0.75
4	0.84	0.78	0.73	0.83	0.77	0.73	0.81	0.76	0.72	0.79	0.74	0.71	0.77	0.73	0.70	0.68
5	0.78	0.72	0.67	0.77	0.71	0.67	0.76	0.70	0.66	0.74	0.69	0.65	0.72	0.68	0.65	0.63
6	0.73	0.66	0.62	0.72	0.66	0.61	0.71	0.65	0.61	0.69	0.64	0.61	0.68	0.64	0.60	0.59
7	0.69	0.62	0.57	0.68	0.62	0.57	0.67	0.61	0.57	0.65	0.60	0.56	0.64	0.60	0.56	0.55
8	0.64	0.58	0.53	0.64	0.58	0.53	0.63	0.57	0.53	0.62	0.57	0.53	0.61	0.56	0.53	0.51
9	0.61	0.54	0.50	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.50	0.57	0.53	0.49	0.48
10	0.58	0.51	0.47	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.55	0.50	0.47	0.45

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	2414.16	2381.17	2319.78	2233.06	2134.84	2010.53	1870.10	1724.29	1577.73
30.0	2425.68	2401.89	2342.03	2257.62	2159.40	2028.17	1897.72	1748.85	1600.75
60.0	2422.61	2392.68	2322.85	2239.20	2130.24	2008.99	1881.61	1734.27	1590.77
90.0	2419.54	2403.42	2342.80	2264.53	2164.77	2050.43	1918.44	1771.87	1625.30
120.0	2417.23	2397.28	2335.89	2263.76	2162.47	2043.52	1916.91	1769.57	1623.77
150.0	2413.40	2406.49	2353.54	2272.97	2176.28	2066.54	1939.16	1798.73	1658.30
180.0	2414.16	2401.89	2348.94	2276.80	2177.81	2061.17	1937.62	1790.29	1644.49
210.0	2425.68	2408.03	2355.08	2279.11	2180.12	2059.64	1933.79	1788.75	1629.91
240.0	2422.61	2403.42	2348.94	2270.67	2174.74	2063.47	1929.18	1787.99	1636.81
270.0	2419.54	2386.54	2328.22	2247.64	2145.58	2019.73	1890.05	1742.71	1583.86
300.0	2417.23	2385.77	2325.15	2242.27	2148.65	2028.94	1889.28	1745.01	1590.00
330.0	2413.40	2374.26	2300.59	2217.72	2112.59	1992.88	1853.21	1715.09	1525.01
360.0	2414.16	2381.17	2319.78	2233.06	2134.84	2010.53	1870.10	1724.29	1577.73
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1417.34	1266.17	1124.97	985.31	860.23	744.35	646.13	557.11	478.08
30.0	1443.43	1286.89	1143.39	1004.50	874.81	759.70	660.71	569.39	493.42
60.0	1438.29	1290.11	1140.63	1008.41	878.80	764.31	669.69	576.53	494.34
90.0	1470.29	1323.72	1164.88	1031.35	900.90	782.72	682.96	588.58	510.31
120.0	1471.37	1323.26	1172.78	1040.41	908.57	790.47	690.10	594.64	511.76
150.0	1509.43	1364.39	1207.08	1070.49	936.20	819.56	710.59	613.13	531.02
180.0	1493.16	1345.52	1194.34	1060.28	926.38	805.82	703.38	606.46	522.12
210.0	1490.63	1334.54	1187.44	1046.78	915.40	793.47	692.79	597.94	513.30
240.0	1488.71	1336.77	1194.04	1047.47	917.78	796.54	697.54	600.86	514.14
270.0	1444.82	1290.50	1145.92	1007.10	878.80	759.70	662.32	571.31	489.36
300.0	1439.60	1288.42	1147.23	1005.26	878.65	760.47	659.94	569.39	488.82
330.0	1421.72	1266.55	1120.91	976.33	855.32	738.06	638.23	553.35	473.24
360.0	1417.34	1266.17	1124.97	985.31	860.23	744.35	646.13	557.11	478.08
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	412.85	356.98	306.18	264.28	231.36	201.36	178.34	158.31	141.04
30.0	420.52	366.12	314.62	273.80	237.73	207.34	183.63	162.68	145.26
60.0	425.66	369.26	318.15	277.41	241.03	210.49	185.24	165.06	147.26
90.0	435.87	389.06	325.37	283.01	245.56	214.02	189.23	167.52	149.10
120.0	440.40	381.23	327.52	284.62	246.63	214.71	188.16	166.14	148.56
150.0	456.59	392.13	338.34	293.75	253.85	221.62	193.30	169.67	150.02
180.0	449.22	388.52	333.66	287.54	250.63	217.86	190.77	168.29	150.48
210.0	445.85	383.30	330.89	285.85	247.79	215.40	189.54	168.67	149.95
240.0	444.31	390.59	331.43	286.31	250.70	217.78	192.30	170.28	151.17
270.0	424.13	364.27	312.32	272.19	236.20	205.58	181.10	161.30	143.58
300.0	421.29	364.66	312.32	269.20	235.58	204.81	180.87	160.30	142.35
330.0	410.01	352.15	301.73	260.91	227.91	197.75	173.73	154.32	136.98
360.0	412.85	356.98	306.18	264.28	231.36	201.36	178.34	158.31	141.04
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	127.00	115.72	105.13	96.15	88.86	81.50	74.97	68.30	62.00
30.0	130.68	119.02	108.43	99.53	91.47	83.95	77.20	70.06	63.69
60.0	132.60	120.71	109.73	100.53	92.24	85.18	77.97	71.06	64.61
90.0	134.75	121.86	110.81	101.14	93.39	85.79	78.96	72.06	65.84
120.0	133.29	120.71	109.43	99.68	91.32	84.10	77.20	70.52	64.46
150.0	133.68	120.55	108.66	98.99	90.32	82.42	75.59	69.06	62.54
180.0	134.90	122.40	110.89	101.14	92.78	85.64	78.58	71.98	65.84
210.0	135.52	122.40	110.96	101.52	93.62	85.87	78.89	72.29	65.46
240.0	135.67	122.86	111.73	102.21	94.31	86.64	79.35	72.52	65.69
270.0	129.99	117.56	106.82	97.92	90.24	82.80	75.97	69.60	63.00
300.0	127.77	116.03	105.13	95.92	88.32	80.88	74.13	67.61	61.39
330.0	123.55	110.50	100.45	91.70	84.18	76.74	70.06	63.85	57.48
360.0	127.00	115.72	105.13	96.15	88.86	81.50	74.97	68.30	62.00

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	55.63	49.50	42.44	35.38	28.16	19.88	12.43	4.76	0.46
30.0	56.94	50.65	43.59	36.22	29.01	21.26	13.66	6.29	0.54
60.0	57.78	50.95	43.97	36.99	29.31	21.95	14.50	7.06	0.69
90.0	59.16	52.80	45.89	38.60	31.69	23.56	16.35	8.75	1.69
120.0	58.01	51.64	45.12	38.45	31.23	23.71	16.50	9.06	1.76
150.0	56.25	50.42	44.12	37.91	31.00	23.56	16.35	9.44	2.46
180.0	59.47	52.87	46.20	39.37	32.00	24.40	17.04	9.67	2.38
210.0	59.16	51.95	45.20	38.14	30.39	23.10	15.73	7.83	1.23
240.0	58.86	52.10	45.35	38.22	31.08	22.87	15.27	7.67	1.00
270.0	56.40	49.50	42.67	35.68	28.24	20.41	13.35	5.68	0.46
300.0	55.10	48.73	42.21	35.30	28.32	20.26	13.05	5.37	0.46
330.0	51.34	44.97	38.75	32.08	24.40	17.42	10.74	3.53	0.38
360.0	55.63	49.50	42.44	35.38	28.16	19.88	12.43	4.76	0.46

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