

浙大三色

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## ROLED

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灯具名称: 投光灯

灯具描述: F2021A-16-UN (45-OL-16WN-C, P1)

报告编号:

电压(V): 220.6000

测试编号: 20210317010

电流(A): 0.1100

光源规格型号: OL

功率(W): 19.4000

每个光源光通量(lm)

功率因数: 0.8010

光源数量: 16

镇流器型号:

发光面长度(mm): 155

发光面宽度(mm): 155

测试模式: C

发光面高度(mm): 0

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## 光度结果

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灯具光通量(lm): 1665.90

灯具效能(lm/w): 85.87

中心光强(cd): 2239.971

最大光强(cd): 2248.412

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=42.6

光束扩散角(10%Imax): [C0/180]Total=87.5

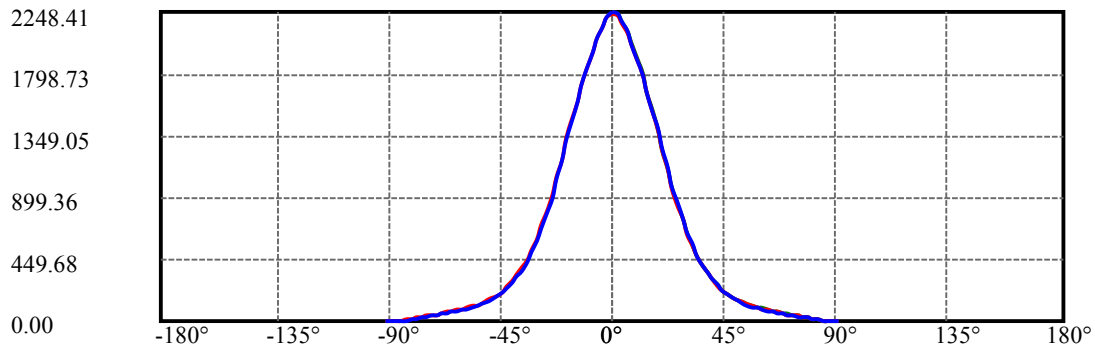
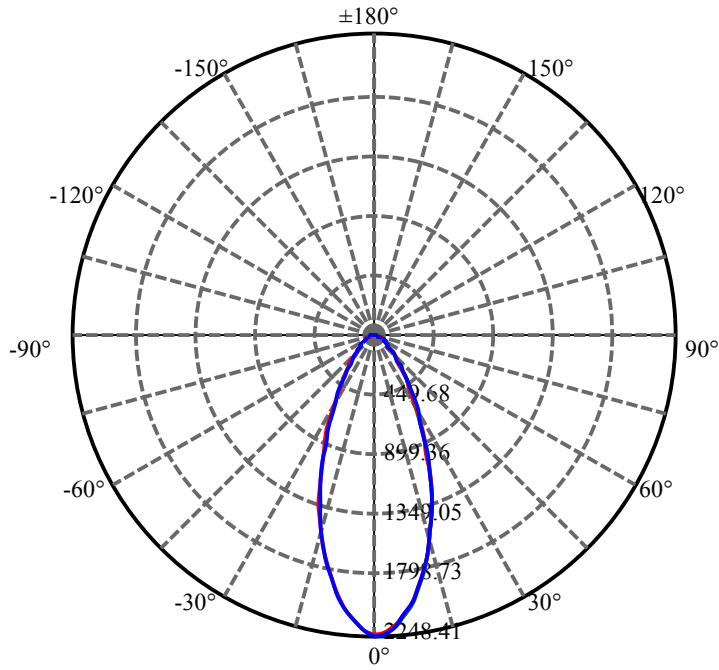
[C90/270]Total=86.8

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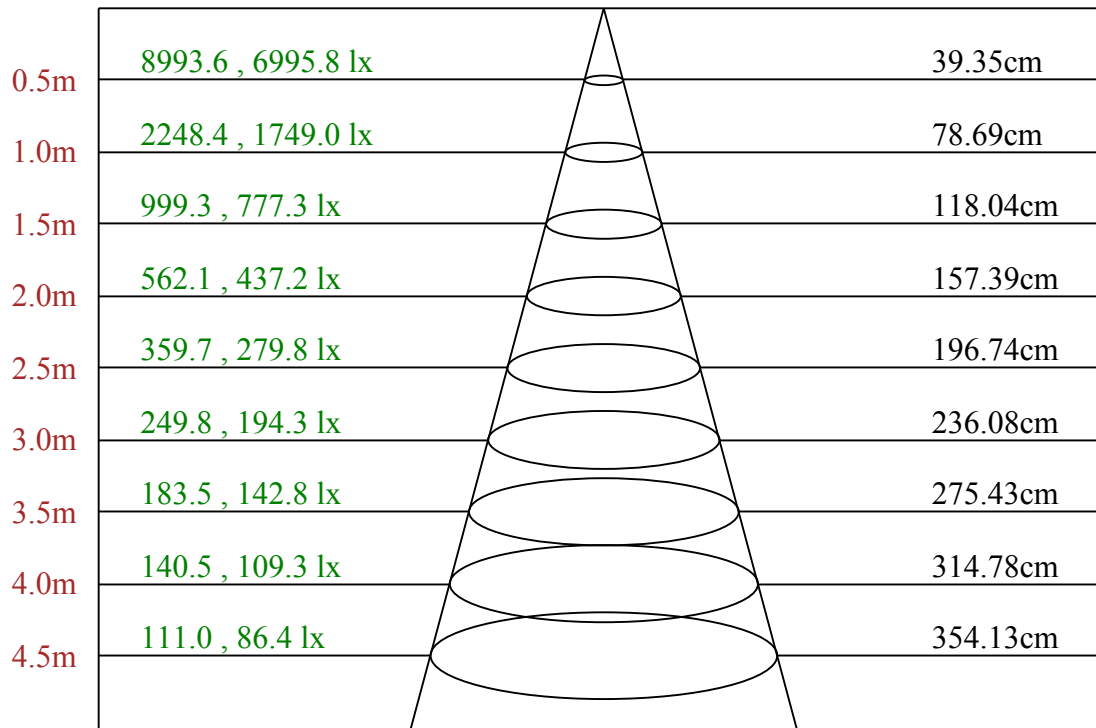
测试设备: GMS1800  
环境温度(°C): 25.0

测试日期: 2021/3/17  
环境湿度(%): 60.0%

测试人员: anpeilou  
测试距离(m): 8.76

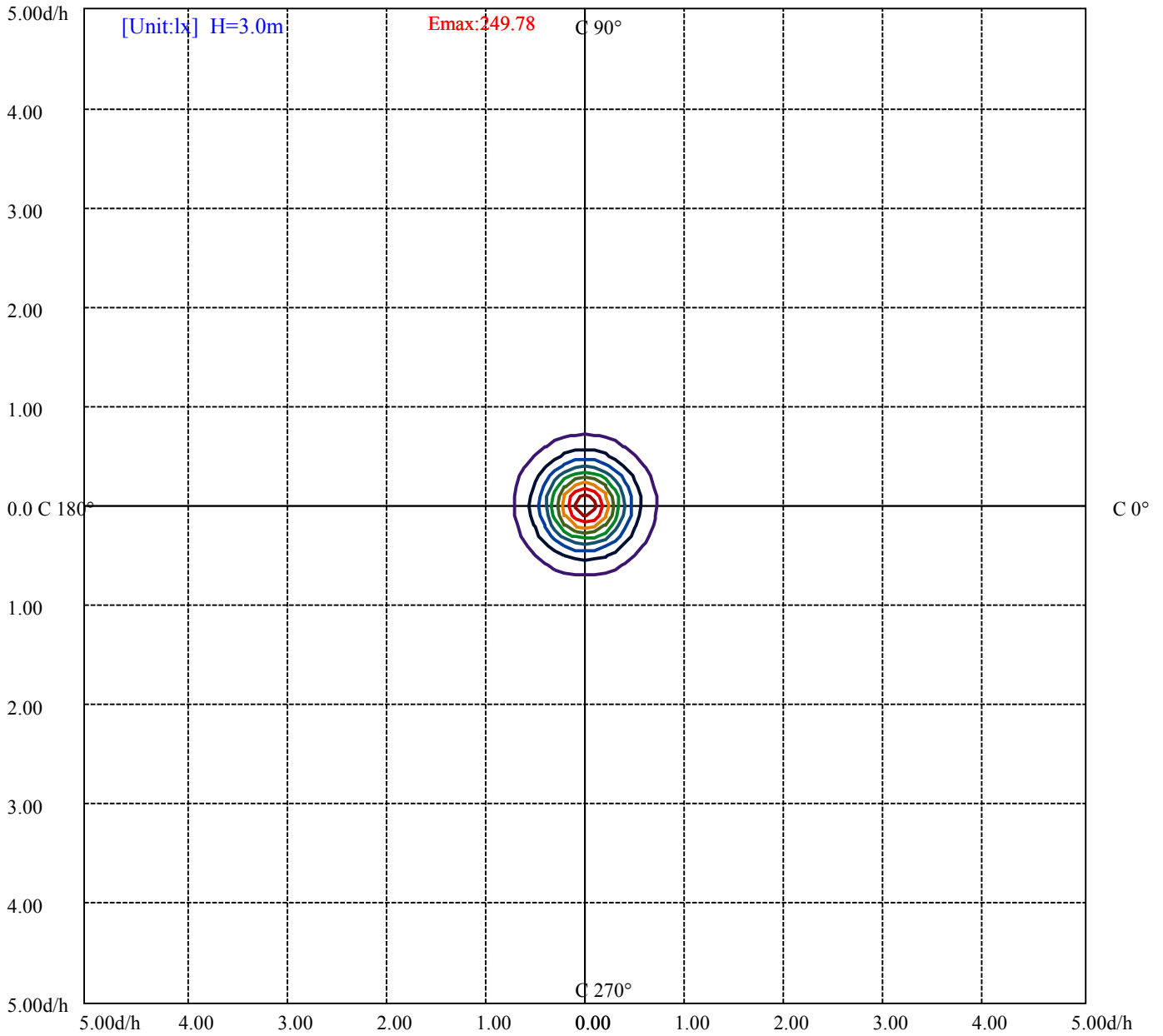


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角42.95

ROLED 投光灯  
平面等照度曲线



(10%Emax) 24.97811	—
(20%Emax) 49.95611	—
(30%Emax) 74.93423	—
(40%Emax) 99.91233	—
(50%Emax) 124.89	—
(60%Emax) 149.8689	—
(70%Emax) 174.8467	—
(80%Emax) 199.8244	—
(90%Emax) 224.8022	—

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测试人员: anpeilou  
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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

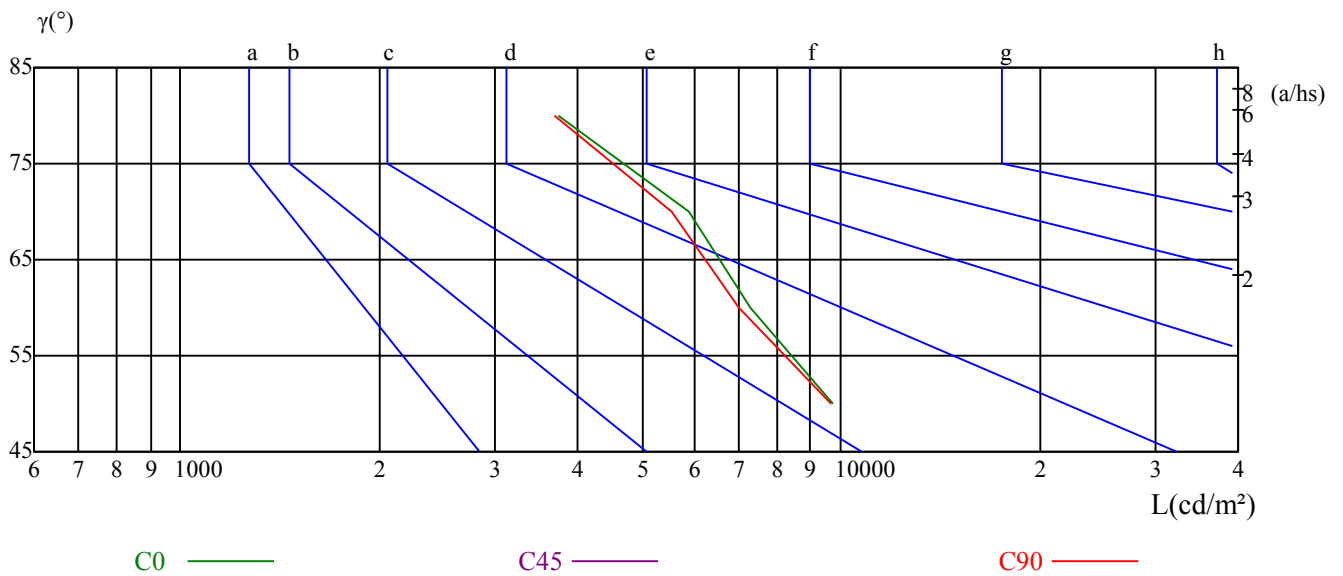
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	9725	0	7314	0	5902	0	3734	0
C45	0	0	0	0	0	0	0	0	0
C90	0	9640	0	7027	0	5538	0	3697	0

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	$\leq 300$				
1.5	B		2000	1000	500	$\leq 300$			
1.85	C			2000	1000	500	$\leq 300$		
2.2	D				2000	1000	500	$\leq 300$	
2.55	E					2000	1000	500	$\leq 300$
		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	14.35	15.54	14.71	15.85	16.17	14.60	15.80	14.97	16.11	16.43
	3H	15.73	16.79	16.11	17.12	17.48	16.05	17.11	16.44	17.45	17.81
	4H	16.19	17.18	16.60	17.53	17.92	16.55	17.53	16.95	17.88	18.27
	6H	16.43	17.34	16.85	17.71	18.10	16.79	17.70	17.21	18.07	18.47
	8H	16.46	17.31	16.89	17.70	18.11	16.82	17.67	17.25	18.07	18.47
	12H	16.45	17.27	16.89	17.65	18.09	16.81	17.63	17.25	18.01	18.44
4H	2H	14.89	15.88	15.30	16.23	16.61	15.10	16.08	15.50	16.43	16.82
	3H	16.52	17.33	16.93	17.73	18.14	16.79	17.60	17.20	18.00	18.41
	4H	17.09	17.81	17.53	18.23	18.68	17.39	18.11	17.82	18.53	18.98
	6H	17.35	17.97	17.82	18.42	18.89	17.66	18.28	18.13	18.73	19.20
	8H	17.39	17.97	17.86	18.42	18.89	17.70	18.28	18.17	18.73	19.20
	12H	17.38	17.89	17.87	18.38	18.85	17.69	18.20	18.18	18.68	19.16
8H	4H	17.30	17.88	17.77	18.33	18.80	17.57	18.14	18.04	18.59	19.07
	6H	17.64	18.10	18.14	18.60	19.08	17.91	18.38	18.42	18.88	19.36
	8H	17.70	18.12	18.23	18.64	19.13	17.98	18.39	18.50	18.91	19.40
	12H	18.29	18.65	18.81	19.15	19.73	18.56	18.93	19.08	19.42	20.00
12H	4H	17.28	17.79	17.77	18.27	18.75	17.54	18.05	18.03	18.54	19.01
	6H	18.10	18.05	18.16	18.52	19.06	18.37	18.32	18.43	18.79	19.33
	8H	17.72	18.09	18.24	18.58	19.16	17.99	18.35	18.51	18.85	19.42
对应照射距离，改变观察者位置S											
S = 1.0H	0.8/-1.0					0.7/-0.9					
S = 1.5H	1.5/-1.3					1.4/-1.3					
S = 2.0H	3.2/-1.6					3.1/-1.5					
标准表格	BK3					BK3					
更正系数	2.2					2.3					

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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	2239.97	2226.93	2170.91	2096.47	2008.22	1901.56	1781.08	1661.37	1524.01
30.0	2248.41	2236.90	2184.72	2112.59	2025.87	1917.67	1797.19	1664.44	1530.92
60.0	2247.64	2230.76	2173.98	2100.31	2009.76	1899.26	1777.24	1649.09	1519.94
90.0	2243.04	2235.37	2180.88	2102.61	2015.13	1905.39	1785.68	1661.37	1525.54
120.0	2243.81	2226.16	2171.67	2098.01	2000.55	1887.74	1762.66	1632.21	1497.23
150.0	2241.51	2225.39	2170.91	2089.56	1997.48	1886.21	1761.90	1636.05	1494.08
180.0	2239.97	2207.74	2139.44	2055.03	1952.20	1841.70	1715.85	1588.47	1460.55
210.0	2248.41	2209.28	2144.05	2061.17	1966.02	1846.31	1723.53	1586.93	1453.87
240.0	2247.64	2214.65	2150.19	2069.61	1979.06	1866.26	1741.94	1608.42	1464.92
270.0	2243.04	2206.97	2137.14	2053.50	1960.65	1844.77	1720.46	1585.40	1457.71
300.0	2243.81	2219.25	2161.70	2087.26	1989.04	1881.61	1753.45	1627.60	1486.41
330.0	2241.51	2217.72	2161.70	2086.50	1997.48	1885.44	1759.59	1624.53	1491.78
360.0	2239.97	2226.93	2170.91	2096.47	2008.22	1901.56	1781.08	1661.37	1524.01

C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	1377.44	1241.61	1099.65	966.89	840.28	733.61	633.09	550.21	471.17
30.0	1388.18	1242.38	1108.09	973.80	854.09	739.75	639.99	550.98	471.94
60.0	1377.52	1232.02	1095.43	962.83	846.80	734.46	634.39	545.14	470.63
90.0	1395.09	1253.89	1113.46	981.47	860.23	745.89	644.60	557.88	478.08
120.0	1364.70	1219.44	1078.70	947.48	832.37	721.87	624.03	539.47	463.80
150.0	1357.49	1215.52	1076.63	953.85	825.70	721.33	623.88	541.00	463.50
180.0	1321.19	1178.46	1048.47	920.24	800.60	698.39	605.15	520.20	446.08
210.0	1308.84	1167.72	1027.67	901.51	788.94	680.43	592.80	510.61	436.56
240.0	1312.98	1177.15	1037.49	904.74	793.47	686.03	588.58	506.47	437.40
270.0	1312.06	1171.09	1027.06	897.83	786.87	676.75	583.44	501.10	430.04
300.0	1336.77	1200.94	1058.21	922.39	805.74	701.38	601.62	517.98	447.38
330.0	1344.98	1208.69	1063.05	930.67	813.34	701.30	605.77	521.36	448.45
360.0	1377.44	1241.61	1099.65	966.89	840.28	733.61	633.09	550.21	471.17

C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	402.87	350.92	300.43	258.07	223.61	194.91	170.05	150.18	133.75
30.0	409.01	349.85	302.19	259.68	224.23	194.61	171.36	151.25	134.60
60.0	403.56	345.40	298.36	256.38	221.16	192.07	169.13	149.02	132.37
90.0	410.55	352.61	303.57	260.37	226.22	195.22	169.51	148.87	130.53
120.0	398.42	341.48	295.75	254.46	220.47	191.38	167.52	147.72	131.22
150.0	398.27	346.39	296.97	255.38	220.62	192.38	168.52	150.48	134.14
180.0	387.29	332.50	287.31	248.09	214.94	187.24	165.83	146.65	130.61
210.0	374.94	322.84	275.87	238.35	208.88	181.71	160.30	142.35	127.54
240.0	389.06	324.83	278.10	238.96	207.65	180.56	159.61	141.73	127.00
270.0	368.80	319.00	272.34	234.74	202.82	176.27	154.17	135.60	120.71
300.0	390.59	329.13	281.01	242.57	210.26	184.09	161.00	142.35	126.46
330.0	384.99	332.20	283.78	244.64	211.87	184.78	162.61	144.04	129.38
360.0	402.87	350.92	300.43	258.07	223.61	194.91	170.05	150.18	133.75

C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	119.48	107.89	97.15	87.86	79.50	71.90	64.15	56.56	48.50
30.0	121.63	110.04	100.14	91.16	83.34	75.97	69.22	61.85	54.18
60.0	119.33	107.66	98.15	89.32	82.11	74.90	68.37	61.01	53.41
90.0	116.41	104.13	94.08	84.41	75.89	67.84	60.24	52.95	45.51
120.0	118.71	107.20	97.38	88.71	81.03	73.90	67.45	60.01	52.34
150.0	120.78	109.58	100.14	91.62	84.26	77.35	70.29	63.31	55.63
180.0	117.41	105.97	96.69	86.94	78.96	71.14	63.62	56.17	48.34
210.0	115.34	105.74	96.31	88.25	80.73	73.44	66.45	59.09	52.18
240.0	114.19	103.67	94.08	86.48	79.58	73.05	66.53	59.39	51.80
270.0	108.12	97.07	87.25	79.12	71.29	63.31	56.71	49.50	42.59
300.0	113.80	103.21	93.54	86.02	79.12	72.06	65.30	58.47	51.03
330.0	116.64	105.90	96.31	88.56	80.88	73.59	67.15	59.78	52.41
360.0	119.48	107.89	97.15	87.86	79.50	71.90	64.15	56.56	48.50

# 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	41.67	35.91	29.54	22.48	15.58	8.52	2.07	1.38	0.69
30.0	46.81	39.14	32.92	25.78	17.04	9.98	3.84	1.30	0.61
60.0	45.97	37.75	31.08	24.33	16.04	10.13	3.99	1.15	0.61
90.0	38.75	33.69	28.62	22.10	15.42	9.67	2.99	1.30	0.69
120.0	45.04	37.37	31.46	24.71	16.19	9.98	4.07	1.15	0.54
150.0	48.34	40.29	33.53	26.09	17.34	10.67	4.07	1.38	0.69
180.0	41.67	35.38	29.47	21.87	15.27	7.67	2.00	1.30	0.54
210.0	44.74	37.45	31.16	23.64	14.20	8.52	2.38	1.15	0.46
240.0	44.12	36.76	30.31	23.71	15.12	9.52	3.22	1.07	0.54
270.0	36.30	31.39	25.86	18.80	13.51	6.91	1.92	1.07	0.46
300.0	43.89	36.45	29.85	23.02	14.58	9.29	3.07	1.15	0.46
330.0	44.89	36.91	30.31	23.33	14.27	8.82	2.84	1.07	0.46
360.0	41.67	35.91	29.54	22.48	15.58	8.52	2.07	1.38	0.69
C/γ(°)	90.0								
0.0	0.08								
30.0	0.00								
60.0	0.15								
90.0	0.15								
120.0	0.08								
150.0	0.23								
180.0	0.08								
210.0	0.15								
240.0	0.08								
270.0	0.08								
300.0	0.15								
330.0	0.08								
360.0	0.08								