

Roled Opto Electronics (China)Co.,Ltd
Http://www.roled.com.cn
Email:sensing@sensingm.com
Tel: 0573-84236688(-121) Fax:+86-0573-84882788
Address:No.8,HechuangRoad,HuimingStreet, JiashanCounty,Jiaxin City , Zhejiang Province.

ROLED

灯具名称: 投光灯
灯具描述: FWK2411C1.8-12-UN(15-XPG-12WN-AJ.P1)
报告编号: 电压(V): 219.8000
测试编号: 20230201002 电流(A): 0.3630
光源规格型号: XPG 功率(W): 74.9000
每个光源光通量(lm) 功率因数: 0.9390
光源数量: 12 镇流器型号:
发光面长度(mm): 130 发光面宽度 (mm): 130
测试模式: C 发光面高度(mm): 0

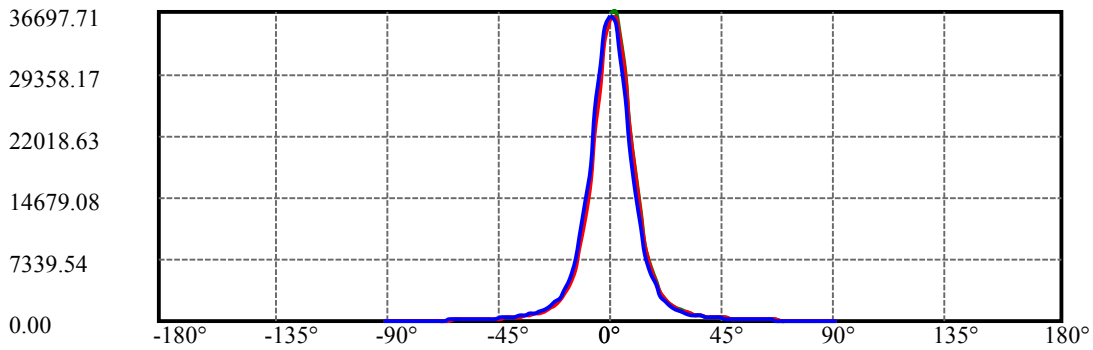
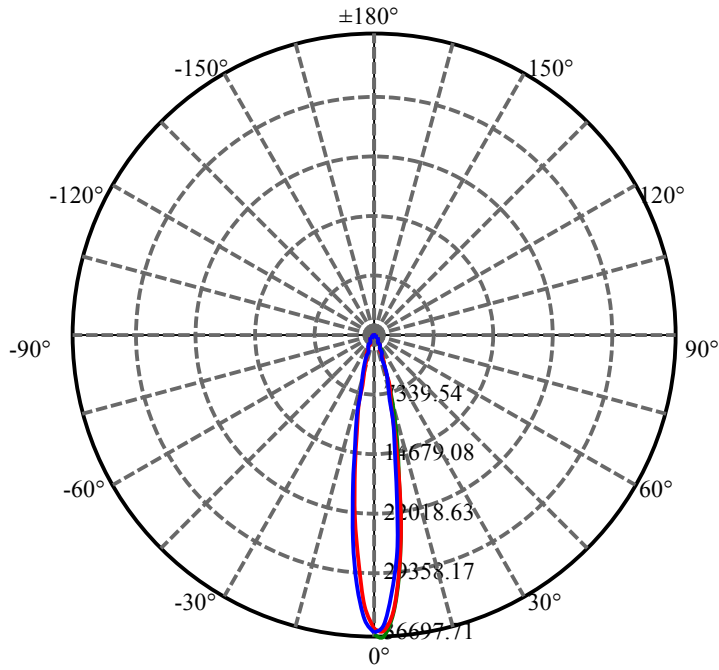
光度结果

灯具光通量(lm): 5952.99
灯具效能(lm/w): 79.48
中心光强(cd): 35867.410
最大光强(cd): 36697.710
最大光强角度: $C=30.0 \gamma=2.0$
半峰边角(50%Imax): [C0/180]Total=17.5
 [C90/270]Total=17.1
光束扩散角(10%Imax): [C0/180]Total=37.1
 [C90/270]Total=37.3

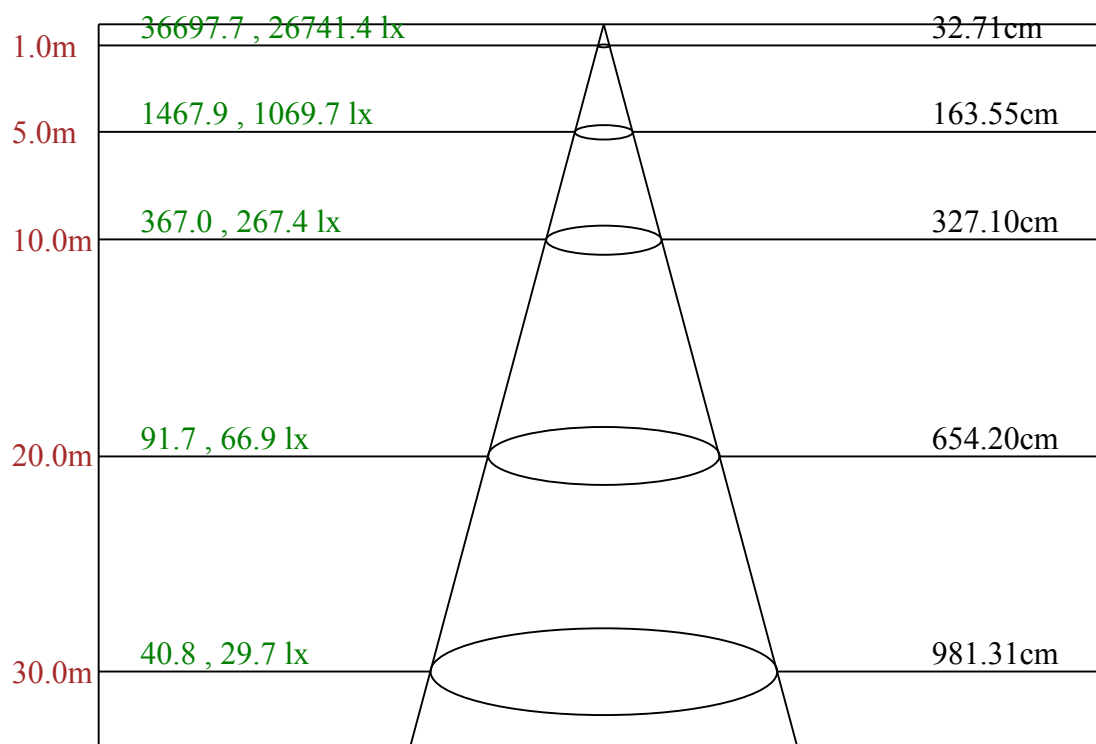
测试设备: GMS-1800
环境温度(°C): 25.0

测试日期: 2023/2/1
环境湿度(%): 60.0%

测试人员: 安培楼
测试距离(m): 9.30

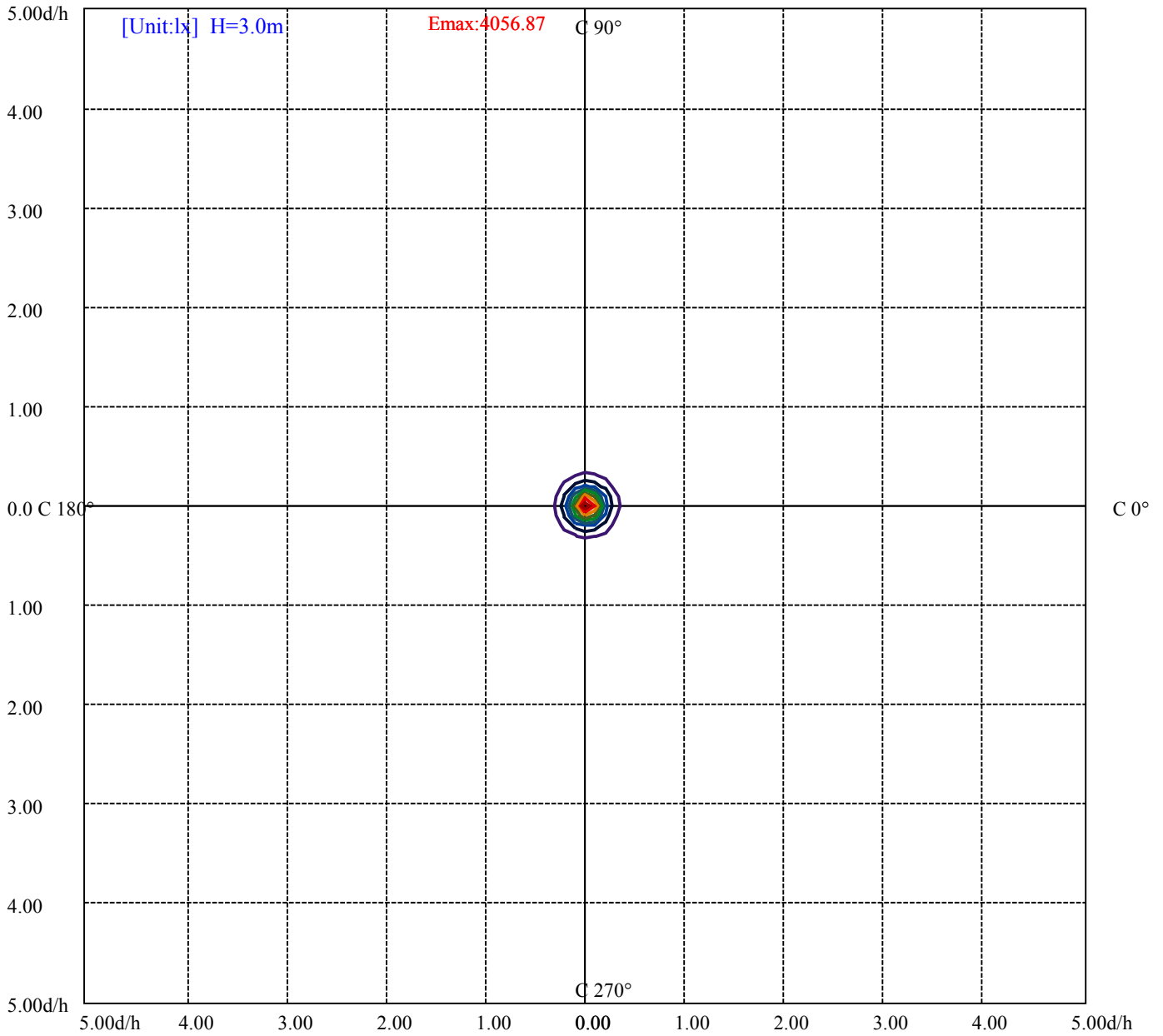


C30(Max): ———
C0/C180: ———
C90/C270: ———



Max , Ave C30面光束角18.57

ROLED 投光灯
平面等照度曲线



(10%Emax) 405.6855	——
(20%Emax) 811.3723	——
(30%Emax) 1217.056	——
(40%Emax) 1622.745	——
(50%Emax) 2028.433	——
(60%Emax) 2434.111	——
(70%Emax) 2839.8	——
(80%Emax) 3245.489	——
(90%Emax) 3651.178	——

测试设备: GMS-1800
环境温度(°C): 25.0

测试日期: 2023/2/1
环境湿度(%): 60.0%

测试人员: 安培楼
测试距离(m): 9.30

ROLED 投光灯

灯具的亮度限制曲线(灯具无发光侧边)

附页 第 5页 共 7页

亮度值表

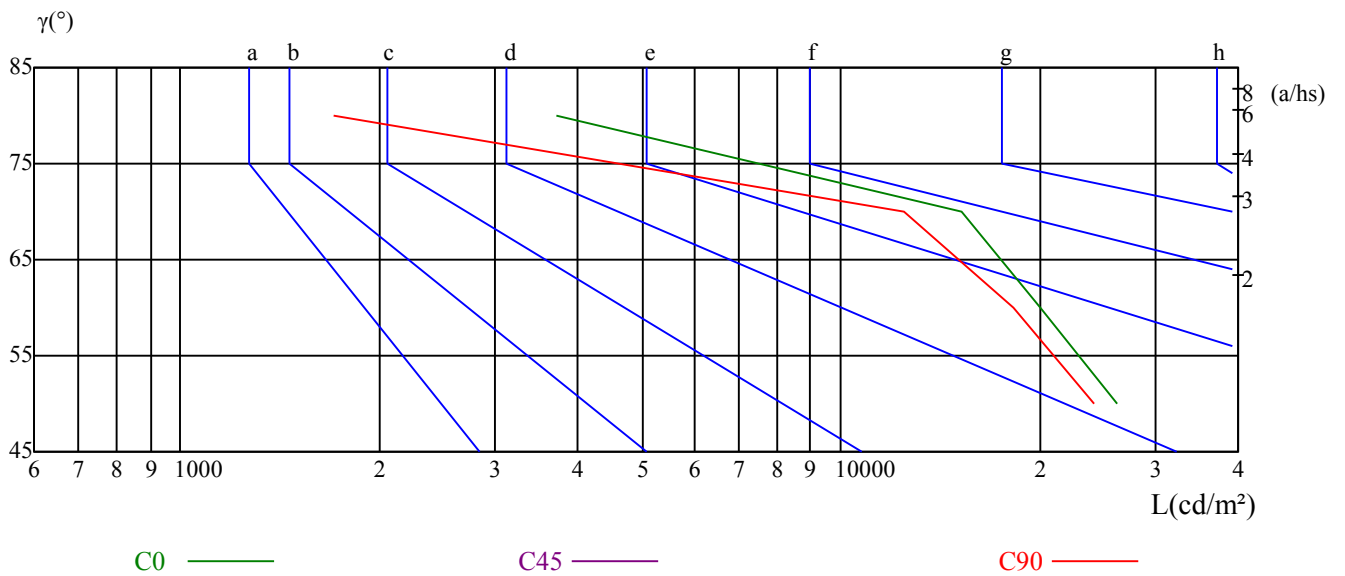
γ	45	50	55	60	65	70	75	80	85
C0	0	26242	0	20062	0	15218	0	3713	0
C45	0	0	0	0	0	0	0	0	0
C90	0	24124	0	18240	0	12494	0	1709	0

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	2373	2818	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



测试设备: GMS-1800
环境温度($^{\circ}\text{C}$): 25.0

测试日期: 2023/2/1
环境湿度(%): 60.0%

测试人员: 安培楼
测试距离(m): 9.30

ROLED 投光灯

光强数据表(cd)

附页 第6页 共7页

C/γ(°)	0.0	2.0	4.0	6.0	8.0	10.0	12.0	14.0	16.0
0.0	35867.40	36118.22	33696.50	28922.26	23300.41	17877.48	12627.54	9098.75	6400.26
30.0	36498.78	36697.71	34077.06	29311.46	23473.39	17946.68	13042.69	9202.54	6599.19
60.0	36524.73	35806.86	32390.51	27244.35	21596.55	16000.65	11702.10	8217.41	5825.10
90.0	36325.80	35357.11	31715.88	26474.59	20947.88	15473.06	11079.37	7939.78	5621.85
120.0	36222.01	33930.03	29674.72	24148.01	17195.08	13494.17	9605.58	6874.23	4910.90
150.0	36204.71	33843.54	29449.85	23810.70	18093.71	13077.29	9418.76	6642.43	4739.65
180.0	35867.40	33021.88	27806.54	22374.96	16632.89	12142.33	8591.92	6145.11	4393.69
210.0	36498.78	33584.07	28818.47	22997.69	17006.53	12637.05	8963.82	6376.04	4559.75
240.0	36524.73	34362.48	30167.71	24433.43	19053.75	13924.89	9833.91	7022.99	5111.56
270.0	36325.80	34587.35	30357.99	25125.35	18439.67	14078.84	10040.62	7235.75	5125.40
300.0	36222.01	35547.39	32208.88	27253.00	21570.61	16069.84	11650.20	8285.74	5872.67
330.0	36204.71	35694.42	32615.38	27590.31	22106.84	16383.80	11784.26	8319.47	5953.11
360.0	35867.40	36118.22	33696.50	28922.26	23300.41	17877.48	12627.54	9098.75	6400.26
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	4609.92	3377.43	2533.29	1974.57	1563.74	1253.24	1026.64	868.36	735.17
30.0	4748.30	3463.92	2606.81	2044.62	1607.85	1302.54	1069.02	889.12	757.65
60.0	4284.71	3148.24	2389.72	1714.32	1490.31	1200.74	997.66	831.43	704.55
90.0	4385.04	2990.82	2301.50	1791.21	1426.22	1145.99	942.74	791.38	668.57
120.0	3586.74	2673.41	2078.35	1632.50	1306.09	1056.82	870.61	726.60	622.38
150.0	3505.44	2618.92	2006.57	1568.06	1256.70	1016.26	845.87	708.35	600.24
180.0	3221.75	2417.40	1721.41	1488.75	1188.55	978.46	810.41	679.81	578.62
210.0	3409.44	2577.40	2009.16	1587.61	1274.26	1037.62	872.86	737.93	629.04
240.0	3700.91	2789.30	2171.76	1691.74	1353.57	1100.15	919.39	778.41	671.16
270.0	3739.83	2835.14	2168.30	1713.97	1382.80	1124.46	936.34	797.78	681.20
300.0	4410.99	3171.59	2414.80	1900.19	1515.30	1226.43	1010.20	855.39	729.98
330.0	4295.09	3167.26	2426.04	1897.59	1529.58	1231.79	1018.77	855.91	731.96
360.0	4609.92	3377.43	2533.29	1974.57	1563.74	1253.24	1026.64	868.36	735.17
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	633.97	550.94	481.75	439.37	382.89	343.45	310.76	285.07	259.47
30.0	646.08	564.78	493.86	438.50	392.84	355.39	322.00	293.29	268.46
60.0	605.08	528.28	462.81	410.48	369.66	333.33	302.46	275.73	253.68
90.0	574.29	496.45	437.64	389.29	350.72	316.03	286.37	262.06	237.85
120.0	536.24	466.61	413.51	368.53	331.26	299.69	273.91	250.99	230.84
150.0	520.67	451.48	398.46	354.61	320.01	289.14	263.97	241.83	222.11
180.0	502.16	436.52	383.76	343.28	307.90	278.41	253.68	232.14	209.39
210.0	548.95	479.85	424.93	379.78	341.89	308.60	282.48	258.86	237.42
240.0	578.62	506.83	447.15	401.31	361.70	326.76	298.39	273.57	252.03
270.0	592.20	522.40	460.13	413.08	369.83	335.67	305.57	278.41	253.07
300.0	629.65	553.54	488.67	438.50	392.06	355.82	323.21	296.92	272.10
330.0	633.02	552.76	487.89	434.44	389.98	351.32	320.79	292.68	268.98
360.0	633.97	550.94	481.75	439.37	382.89	343.45	310.76	285.07	259.47
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	234.82	211.30	189.33	169.52	151.62	133.37	116.68	102.84	87.96
30.0	246.84	226.95	205.24	184.31	163.47	143.57	124.72	104.91	86.84
60.0	232.57	212.94	192.09	172.03	152.83	134.75	115.90	97.21	80.26
90.0	214.41	192.18	173.41	154.13	136.14	120.05	105.95	92.37	72.22
120.0	213.72	194.52	175.40	154.82	137.35	118.75	100.76	82.94	66.60
150.0	203.77	185.61	165.63	146.69	129.65	111.83	94.71	78.79	63.40
180.0	188.38	169.61	151.62	135.27	118.49	103.87	90.81	74.81	55.35
210.0	218.13	196.76	174.97	155.08	136.83	116.68	97.99	81.73	64.35
240.0	229.72	210.00	188.38	168.22	148.76	128.61	109.67	90.64	72.57
270.0	228.42	205.15	183.19	162.86	143.14	126.10	111.49	95.57	74.29
300.0	250.22	228.85	207.14	184.40	163.90	144.44	124.46	105.26	86.32
330.0	247.19	225.83	204.81	183.01	161.74	141.50	123.08	104.05	85.11
360.0	234.82	211.30	189.33	169.52	151.62	133.37	116.68	102.84	87.96

ROLED 投光灯

光强数据表(cd)

附页 第 7页 共7页

C/γ(°)	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0
0.0	66.25	48.00	35.55	21.80	10.90	4.32	0.69	0.61	0.61
30.0	69.80	51.81	34.51	22.40	12.45	4.07	0.86	0.78	0.61
60.0	62.19	43.85	28.71	17.04	9.69	2.34	0.86	0.69	0.61
90.0	53.02	37.62	26.12	14.88	5.02	1.12	0.69	0.69	0.52
120.0	49.65	33.13	21.45	11.68	5.02	1.21	0.78	0.69	0.52
150.0	46.01	30.96	20.58	11.07	4.32	0.95	0.69	0.61	0.52
180.0	39.79	27.94	16.95	6.75	2.34	0.78	0.78	0.61	0.43
210.0	46.10	30.01	18.60	10.29	2.77	0.78	0.69	0.52	0.35
240.0	53.10	36.67	22.75	12.45	4.84	0.78	0.78	0.69	0.43
270.0	53.71	38.92	24.56	13.67	4.32	0.69	0.69	0.61	0.52
300.0	69.28	48.17	31.48	19.72	10.64	2.59	0.78	0.69	0.43
330.0	68.67	48.87	32.61	20.50	11.42	3.11	0.86	0.78	0.52
360.0	66.25	48.00	35.55	21.80	10.90	4.32	0.69	0.61	0.61
C/γ(°)	90.0								
0.0	0.43								
30.0	0.43								
60.0	0.43								
90.0	0.35								
120.0	0.43								
150.0	0.43								
180.0	0.43								
210.0	0.35								
240.0	0.26								
270.0	0.26								
300.0	0.35								
330.0	0.52								
360.0	0.43								