

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: FWK2211C1.8-3-24DC(60-XPG-3WN-AJ.P1)  
报告编号: 电压(V): 23.8000  
测试编号: 20221216001 电流(A): 0.8030  
光源规格型号: XPG 功率(W): 19.1000  
每个光源光通量(lm) 功率因数: 1.0230  
光源数量: 3 镇流器型号:  
发光面长度(mm): 55 发光面宽度 (mm): 55  
测试模式: C 发光面高度(mm): 0

## 光度结果

---

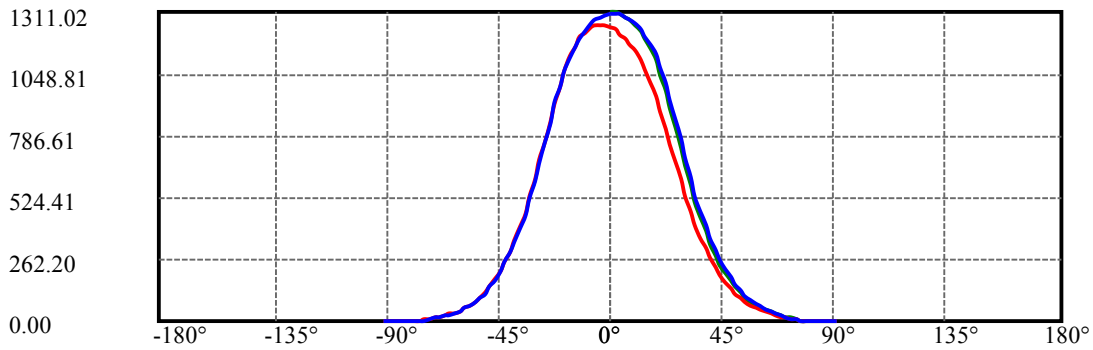
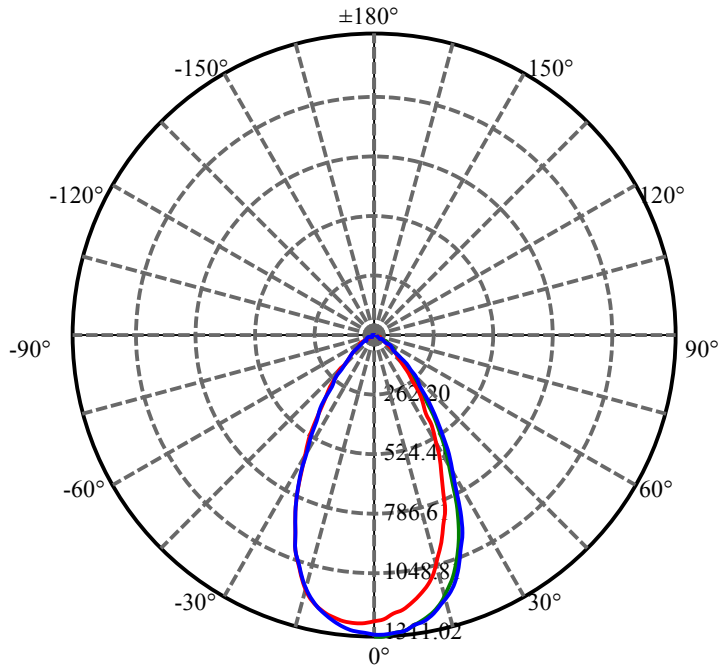
灯具光通量(lm): 1352.84  
灯具效能(lm/w): 70.83  
中心光强(cd): 1244.851  
最大光强(cd): 1311.016  
最大光强角度:  $C=30.0 \gamma=0.0$   
半峰边角(50%Imax): [C0/180]Total=56.9  
                                  [C90/270]Total=59.3  
光束扩散角(10%Imax): [C0/180]Total=99.3  
                                  [C90/270]Total=101.0

---

测试设备: GMS-1800  
环境温度(°C): 25.0

测试日期: 2022/12/16  
环境湿度(%): 60.0%

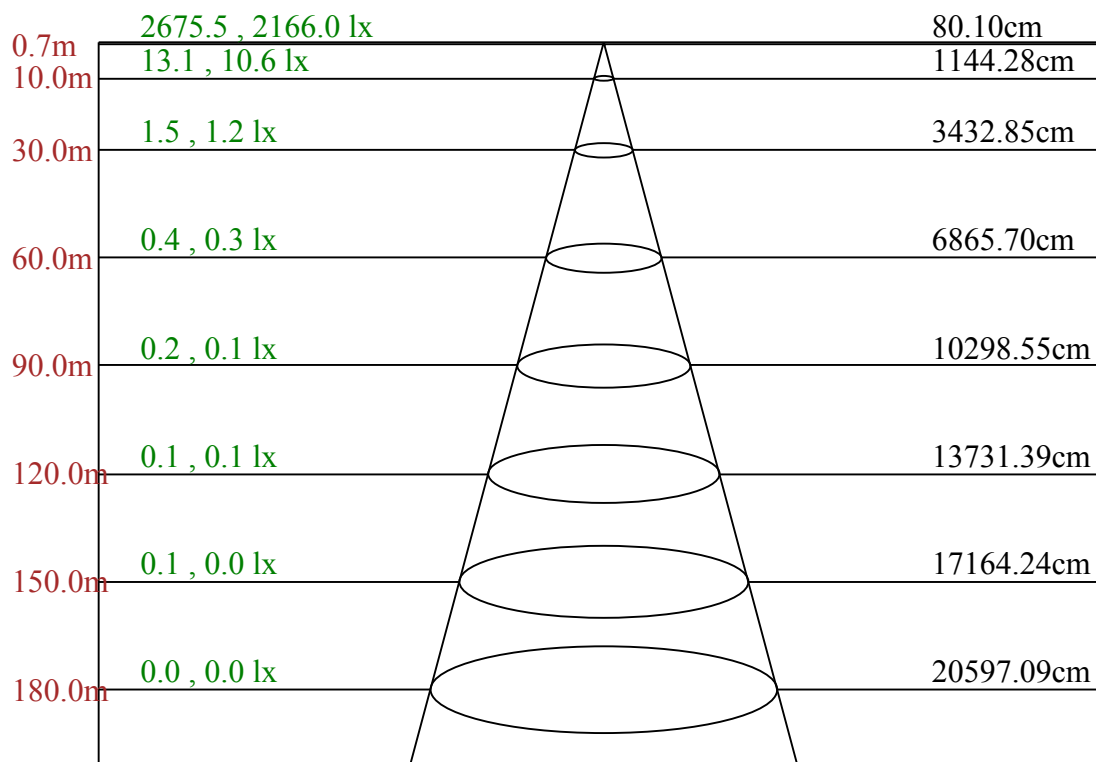
测试人员: 安培楼  
测试距离(m): 9.30



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

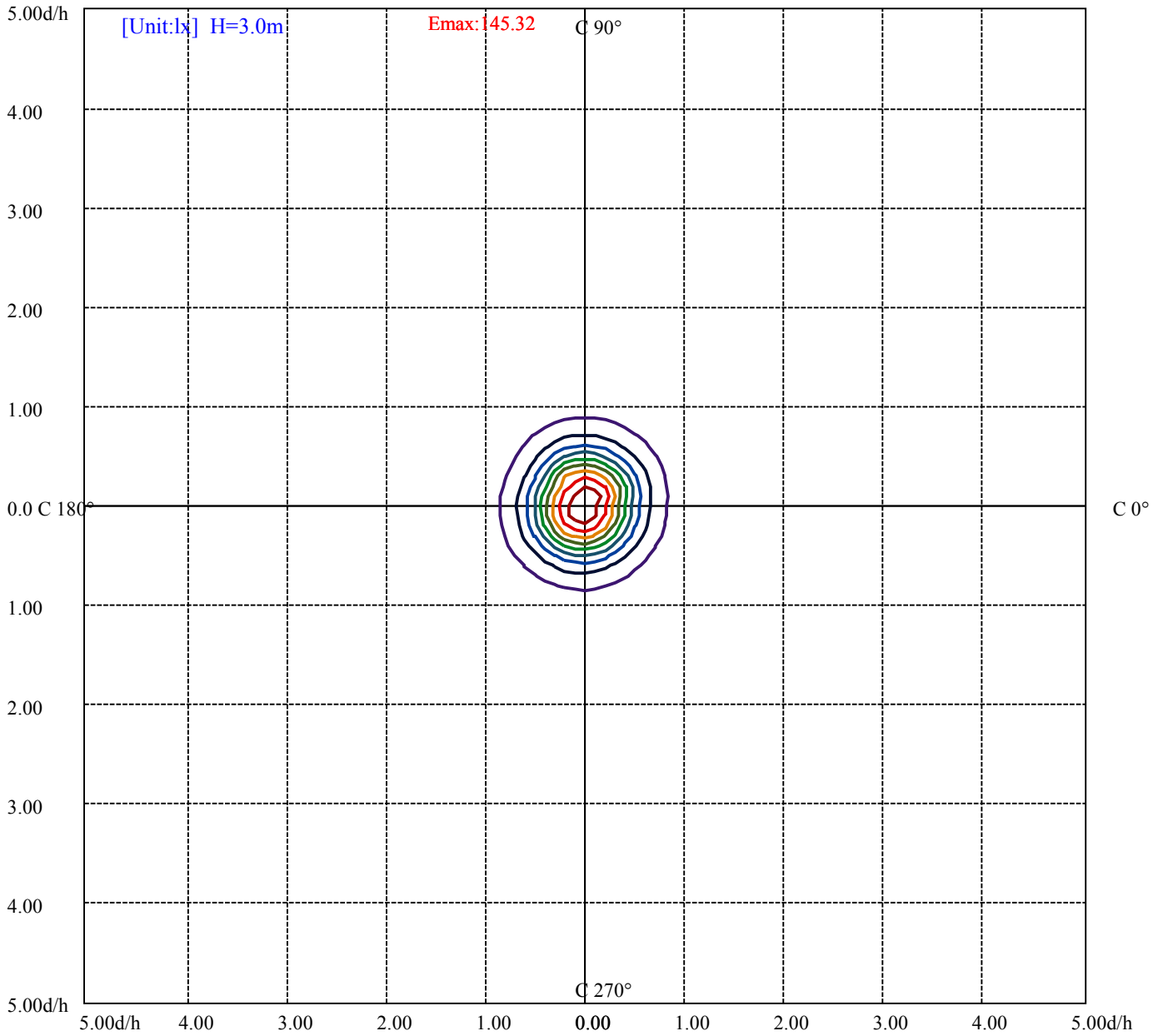
# ROLED 投光灯

## 照度距离图表



Max, Ave C30面光束角59.55

ROLED 投光灯  
平面等照度曲线



(10%Emax) 14.53222	——
(20%Emax) 29.06444	——
(30%Emax) 43.59666	——
(40%Emax) 58.12889	——
(50%Emax) 72.66111	——
(60%Emax) 87.19345	——
(70%Emax) 101.7257	——
(80%Emax) 116.2578	——
(90%Emax) 130.79	——

测试设备: GMS-1800  
环境温度(°C): 25.0

测试日期: 2022/12/16  
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)

亮度值表

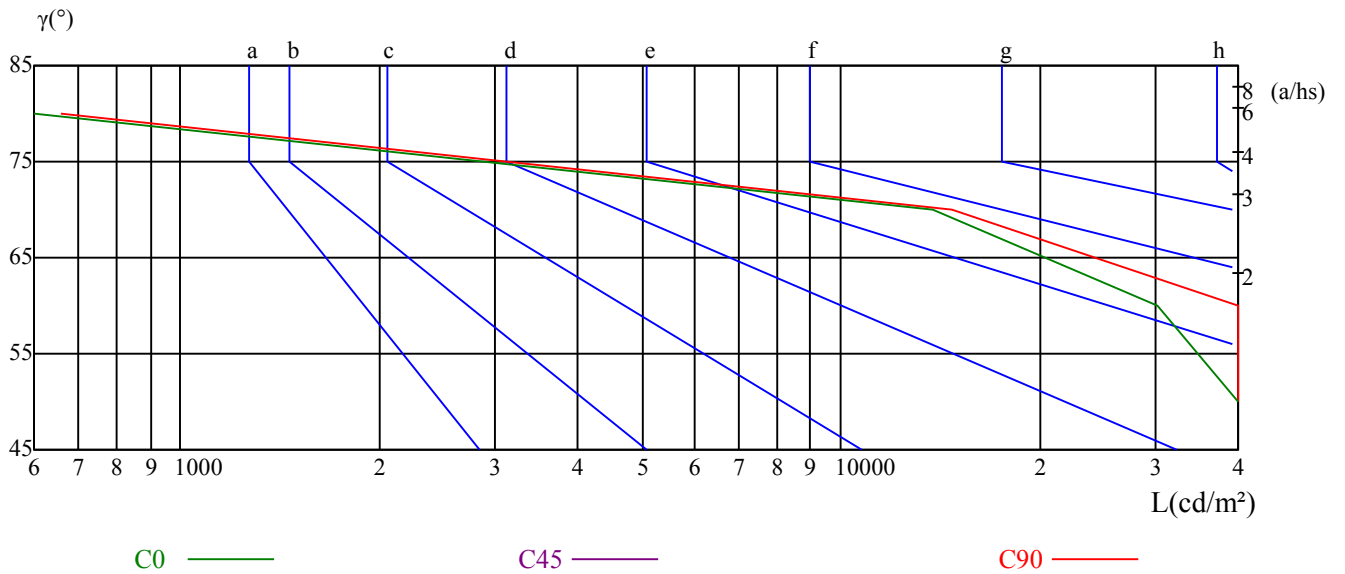
$\gamma$	45	50	55	60	65	70	75	80	85
C0	0	60538	0	30193	0	13793	0	329	0
C45	0	0	0	0	0	0	0	0	0
C90	0	80288	0	40657	0	14713	0	659	0

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



# 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	1244.85	1234.21	1217.09	1198.15	1172.98	1145.47	1107.07	1065.47	1010.55
30.0	1311.02	1307.99	1301.07	1290.60	1276.33	1253.15	1231.44	1200.31	1158.71
60.0	1304.79	1301.50	1295.53	1286.45	1271.49	1254.62	1233.00	1202.82	1165.19
90.0	1304.44	1302.71	1299.08	1290.60	1276.85	1260.25	1238.19	1208.78	1175.49
120.0	1274.52	1267.77	1257.56	1243.29	1224.87	1202.38	1176.52	1144.44	1147.64
150.0	1249.95	1250.30	1245.80	1234.13	1217.17	1195.29	1171.68	1132.85	1087.01
180.0	1244.85	1251.94	1254.36	1252.12	1243.03	1225.39	1202.47	1167.62	1119.79
210.0	1311.02	1309.72	1304.87	1293.37	1278.75	1259.47	1232.57	1198.41	1154.38
240.0	1304.79	1300.64	1295.01	1282.91	1266.91	1248.14	1217.78	1184.13	1141.41
270.0	1304.44	1297.35	1288.44	1274.95	1258.17	1232.91	1200.14	1161.65	1113.47
300.0	1274.52	1271.75	1265.69	1256.27	1236.81	1211.98	1172.80	1127.14	1068.32
330.0	1249.95	1244.59	1235.94	1221.07	1202.38	1176.78	1142.01	1095.57	1040.91
360.0	1244.85	1234.21	1217.09	1198.15	1172.98	1145.47	1107.07	1065.47	1010.55
C/γ(°)	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0
0.0	950.70	884.19	817.50	747.62	672.11	600.50	528.45	466.96	408.15
30.0	1105.17	1042.64	974.48	902.18	820.01	735.34	656.46	577.75	507.35
60.0	1113.65	1051.55	982.18	908.66	826.07	746.41	661.04	582.60	510.64
90.0	1129.47	1071.52	1007.87	938.94	854.78	770.97	689.84	609.06	532.78
120.0	1162.86	1093.84	1022.40	946.03	859.88	774.86	685.69	602.58	526.38
150.0	1034.07	967.39	896.73	819.23	741.05	660.09	586.75	515.31	448.45
180.0	1060.37	995.33	921.72	845.18	760.68	682.75	604.05	528.54	460.04
210.0	1098.25	1041.69	973.01	888.43	803.92	714.84	635.36	558.98	485.38
240.0	1088.22	1025.77	951.56	870.52	780.92	696.16	611.05	542.03	471.72
270.0	1057.77	995.24	924.23	838.69	759.12	668.57	590.81	518.68	449.83
300.0	1005.19	933.66	857.46	782.22	700.05	621.95	542.38	478.29	414.63
330.0	976.21	907.54	836.62	754.88	680.85	600.33	532.17	465.49	407.02
360.0	950.70	884.19	817.50	747.62	672.11	600.50	528.45	466.96	408.15
C/γ(°)	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0
0.0	353.92	308.51	265.70	227.21	193.74	165.80	139.16	117.71	97.04
30.0	437.55	380.64	326.85	279.62	240.18	202.82	171.34	143.05	118.66
60.0	448.10	387.73	334.46	289.66	246.58	208.18	174.80	147.38	122.47
90.0	467.13	407.02	350.54	300.64	259.12	219.34	185.95	156.11	130.60
120.0	459.43	396.82	342.15	294.33	249.70	210.69	176.70	148.50	123.16
150.0	389.21	338.44	289.91	246.32	210.26	175.92	148.16	122.47	100.67
180.0	401.05	344.14	295.45	252.81	213.54	178.69	148.59	123.33	99.55
210.0	423.54	366.03	316.81	269.76	229.54	192.35	162.86	136.57	113.30
240.0	411.35	354.87	304.96	258.00	220.72	185.52	154.73	130.60	107.68
270.0	392.32	337.92	291.99	248.49	209.82	174.97	144.18	117.19	95.14
300.0	356.94	310.41	266.13	224.27	189.50	161.13	133.80	112.52	92.89
330.0	352.62	304.01	262.15	222.63	189.15	158.54	133.37	111.92	92.89
360.0	353.92	308.51	265.70	227.21	193.74	165.80	139.16	117.71	97.04
C/γ(°)	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0
0.0	78.79	65.39	55.18	45.67	37.80	31.05	24.82	19.20	14.27
30.0	98.43	82.25	68.33	56.74	47.66	39.09	31.74	24.30	18.16
60.0	102.66	86.40	72.31	61.15	51.63	43.42	35.03	26.73	18.51
90.0	108.29	91.07	76.02	61.49	50.60	40.22	31.40	22.05	15.22
120.0	101.54	85.28	71.35	59.59	50.08	41.60	33.39	25.60	18.08
150.0	82.77	68.59	57.17	47.48	39.79	32.52	26.03	20.50	16.00
180.0	81.30	66.42	54.14	44.20	35.46	28.71	22.75	17.90	12.97
210.0	95.05	78.27	64.09	53.02	44.54	36.33	28.97	22.66	15.91
240.0	87.44	71.87	59.94	49.30	40.82	33.39	26.64	20.41	15.05
270.0	78.88	65.13	53.54	42.29	34.68	27.42	21.54	16.87	12.63
300.0	76.02	62.79	52.33	42.99	35.89	29.93	24.04	19.03	14.27
330.0	78.01	64.44	52.93	43.94	37.02	30.19	24.04	18.25	12.97
360.0	78.79	65.39	55.18	45.67	37.80	31.05	24.82	19.20	14.27

测试设备: GMS-1800  
环境温度(°C): 25.0

测试日期: 2022/12/16  
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 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	9.51	5.62	2.51	0.52	0.17	0.09	0.09	0.00	0.00
30.0	12.71	7.87	3.89	1.21	0.26	0.17	0.09	0.09	0.00
60.0	12.11	7.52	4.24	2.08	0.52	0.17	0.17	0.09	0.00
90.0	10.12	6.75	4.07	1.56	0.35	0.09	0.09	0.09	0.00
120.0	11.76	7.61	4.58	2.42	0.52	0.17	0.17	0.09	0.00
150.0	11.76	7.61	3.98	1.21	0.26	0.17	0.09	0.00	0.00
180.0	8.30	4.76	1.73	0.43	0.09	0.09	0.00	0.00	0.00
210.0	10.72	6.05	3.46	1.21	0.26	0.00	0.17	0.09	0.09
240.0	10.12	5.54	2.42	0.69	0.17	0.09	0.09	0.00	0.09
270.0	7.44	2.59	0.61	0.17	0.09	0.09	0.09	0.00	0.00
300.0	9.77	5.19	1.64	0.43	0.09	0.09	0.09	0.09	0.00
330.0	8.99	5.36	2.94	0.86	0.17	0.00	0.09	0.09	0.00
360.0	9.51	5.62	2.51	0.52	0.17	0.09	0.09	0.00	0.00

C/γ(°)	90.0
0.0	0.00
30.0	0.00
60.0	0.00
90.0	0.00
120.0	0.00
150.0	0.00
180.0	0.00
210.0	0.00
240.0	0.00
270.0	0.00
300.0	0.00
330.0	0.00
360.0	0.00