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## ROLED

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灯具名称: 投光灯  
灯具描述: FWK2411C1.8-12-UN(15-SX-12WN-AJ.P1)  
报告编号: 电压(V): 220.3000  
测试编号: 20230129002 电流(A): 0.3590  
光源规格型号: SX 功率(W): 74.1000  
每个光源光通量(lm) 功率因数: 0.9410  
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

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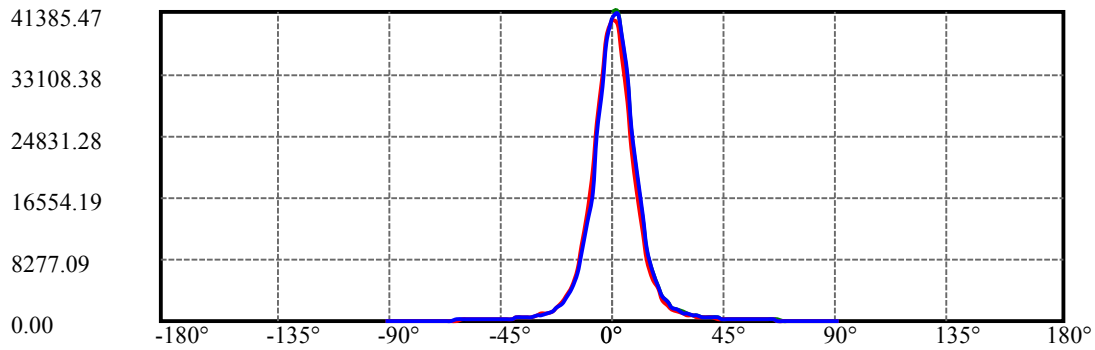
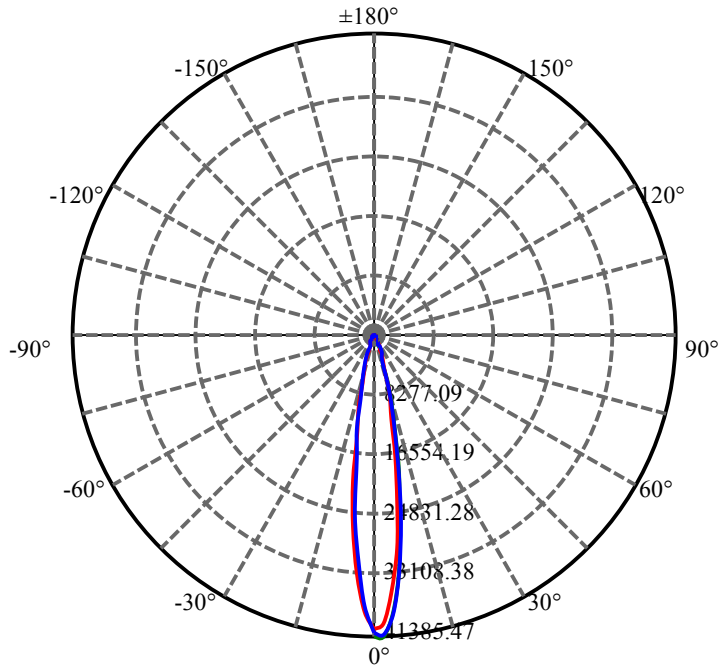
灯具光通量(lm): 6132.65  
灯具效能(lm/w): 82.76  
中心光强(cd): 40287.040  
最大光强(cd): 41385.470  
最大光强角度:  $C=30.0 \gamma=0.0$   
半峰边角(50%Imax): [C0/180]Total=17.0  
                                  [C90/270]Total=17.0  
光束扩散角(10%Imax): [C0/180]Total=35.5  
                                  [C90/270]Total=35.4

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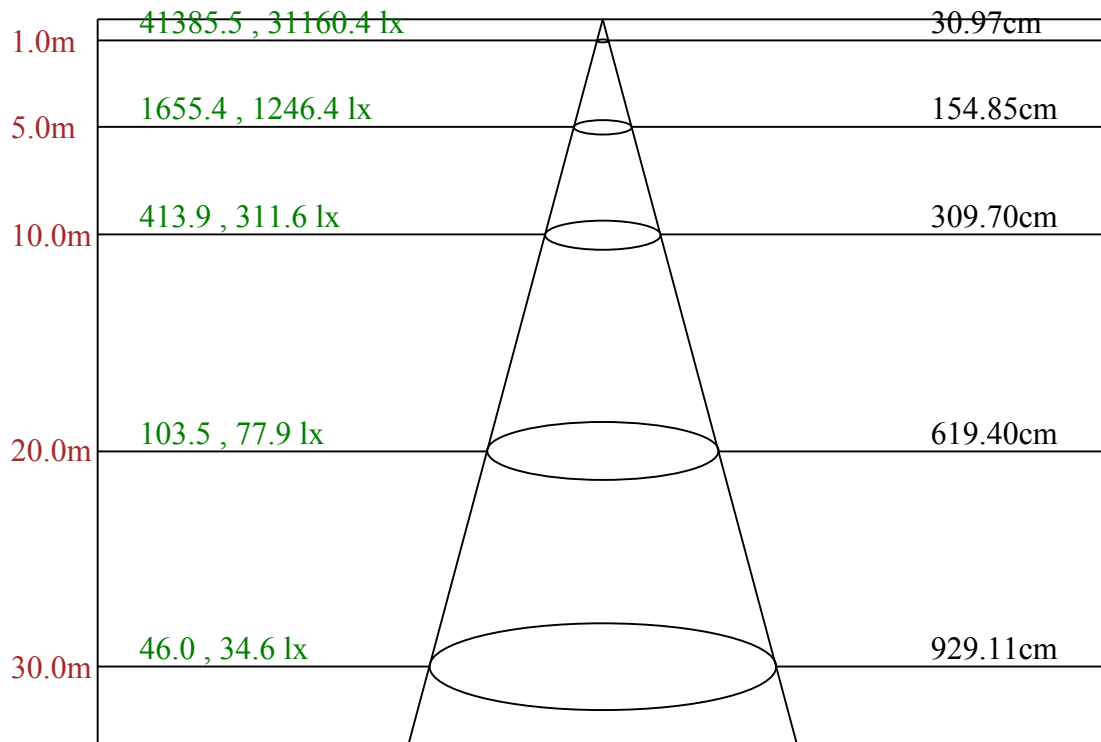
测试设备: GMS-1800  
环境温度(°C): 25.0

测试日期: 2023/1/29  
环境湿度(%): 60.0%

测试人员: 安培楼  
测试距离(m): 9.30

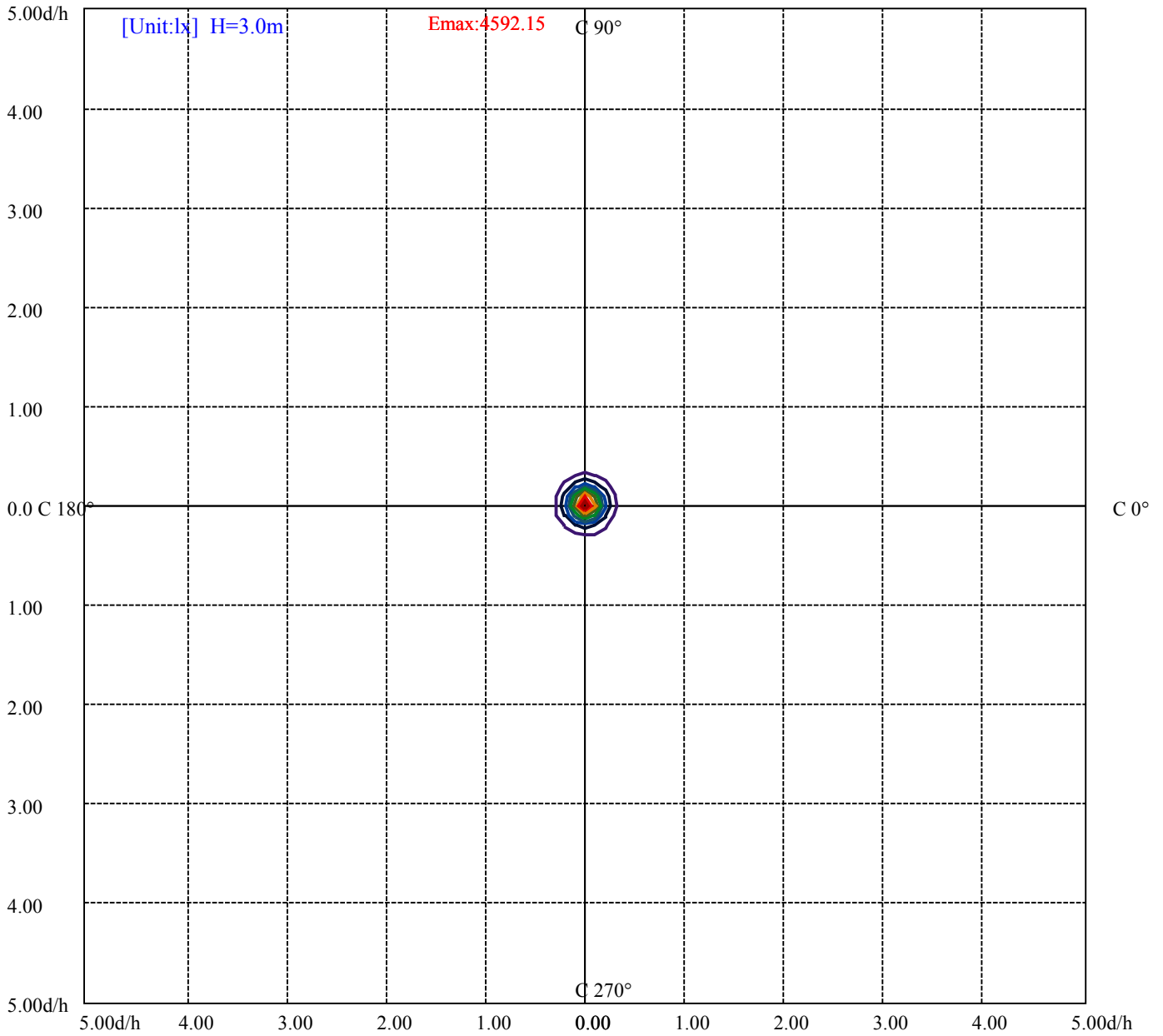


C30(Max): ——  
C0/C180: ——  
C90/C270: ——



Max , Ave    C30面光束角17.60

ROLED 投光灯  
平面等照度曲线



|                    |    |
|--------------------|----|
| (10%Emax) 459.2133 | —— |
| (20%Emax) 918.4277 | —— |
| (30%Emax) 1377.644 | —— |
| (40%Emax) 1836.855 | —— |
| (50%Emax) 2296.067 | —— |
| (60%Emax) 2755.278 | —— |
| (70%Emax) 3214.5   | —— |
| (80%Emax) 3673.711 | —— |
| (90%Emax) 4132.922 | —— |

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# ROLED 投光灯

## 灯具的亮度限制曲线(灯具无发光侧边)

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亮度值表

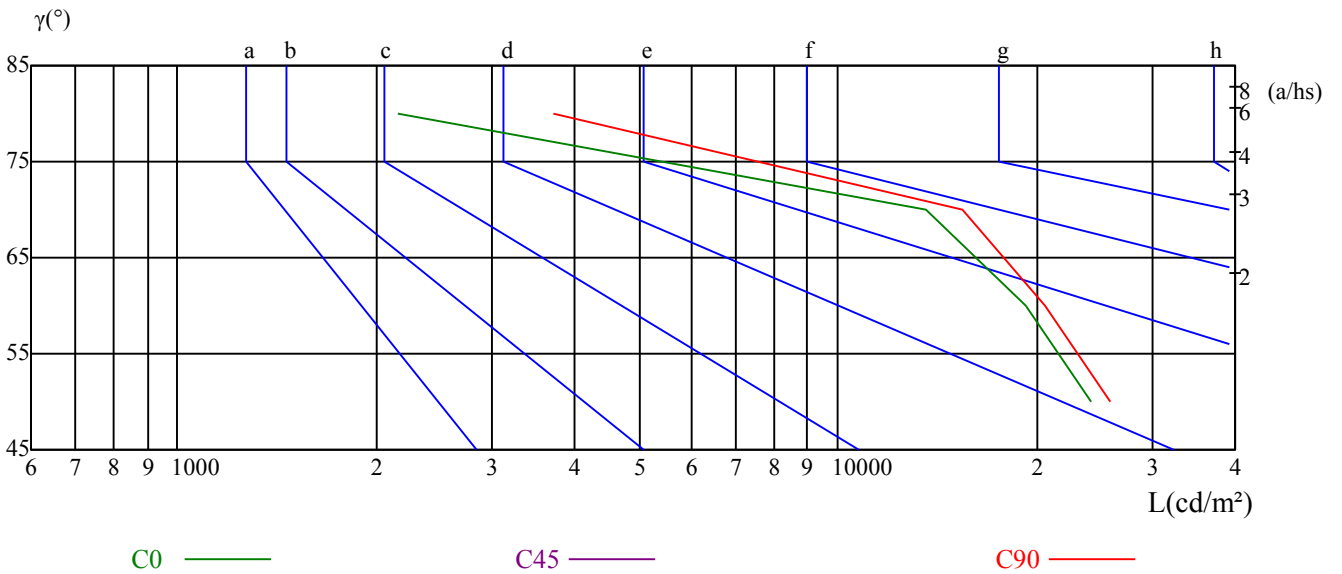
| $\gamma$ | 45 | 50    | 55 | 60    | 65 | 70    | 75 | 80   | 85 |
|----------|----|-------|----|-------|----|-------|----|------|----|
| C0       | 0  | 24148 | 0  | 19243 | 0  | 13632 | 0  | 2151 | 0  |
| C45      | 0  | 0     | 0  | 0     | 0  | 0     | 0  | 0    | 0  |
| C90      | 0  | 25963 | 0  | 20635 | 0  | 15502 | 0  | 3713 | 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(°C): 25.0

测试日期: 2023/1/29  
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)

| C/γ(°) | 0.0      | 2.0      | 4.0      | 6.0      | 8.0      | 10.0     | 12.0     | 14.0    | 16.0    |
|--------|----------|----------|----------|----------|----------|----------|----------|---------|---------|
| 0.0    | 40287.04 | 39474.04 | 35486.85 | 29380.65 | 23222.57 | 16995.29 | 11831.83 | 8199.25 | 5751.59 |
| 30.0   | 41385.47 | 41307.62 | 37943.16 | 32260.77 | 25454.01 | 19174.83 | 13648.12 | 9626.34 | 6616.49 |
| 60.0   | 41273.03 | 41177.89 | 37770.18 | 32355.91 | 25505.90 | 17076.59 | 13601.42 | 9350.43 | 6560.27 |
| 90.0   | 40728.14 | 41247.08 | 38280.47 | 32805.66 | 26076.74 | 19702.42 | 14020.03 | 9851.21 | 6737.57 |
| 120.0  | 40840.58 | 40304.34 | 36550.67 | 30729.90 | 23879.89 | 17144.05 | 12486.56 | 8706.08 | 5980.78 |
| 150.0  | 40503.27 | 39569.18 | 35677.13 | 29717.96 | 23006.34 | 16718.52 | 11909.67 | 8138.71 | 5682.39 |
| 180.0  | 40287.04 | 37925.87 | 32883.50 | 26526.48 | 20186.77 | 14333.12 | 10089.92 | 6854.33 | 4718.03 |
| 210.0  | 41385.47 | 38211.28 | 32459.70 | 26076.74 | 17205.46 | 13961.22 | 9496.60  | 6679.62 | 4637.59 |
| 240.0  | 41273.03 | 38081.55 | 32667.27 | 25791.32 | 19321.87 | 13950.84 | 9574.44  | 6677.03 | 4670.46 |
| 270.0  | 40728.14 | 37320.44 | 31335.33 | 24909.12 | 17146.64 | 13172.43 | 8943.93  | 6318.09 | 4397.15 |
| 300.0  | 40840.58 | 38176.69 | 32848.90 | 26483.24 | 20039.73 | 14599.51 | 9903.11  | 7031.64 | 4921.28 |
| 330.0  | 40503.27 | 38133.44 | 33298.65 | 26898.39 | 20723.00 | 14753.46 | 10283.66 | 7120.72 | 5037.18 |
| 360.0  | 40287.04 | 39474.04 | 35486.85 | 29380.65 | 23222.57 | 16995.29 | 11831.83 | 8199.25 | 5751.59 |
| C/γ(°) | 18.0     | 20.0     | 22.0     | 24.0     | 26.0     | 28.0     | 30.0     | 32.0    | 34.0    |
| 0.0    | 4385.04  | 2925.96  | 2163.11  | 1638.12  | 1277.46  | 1031.83  | 842.41   | 707.49  | 607.16  |
| 30.0   | 4653.16  | 3316.03  | 2479.67  | 1885.48  | 1463.41  | 1171.07  | 956.58   | 804.36  | 682.41  |
| 60.0   | 4616.84  | 3289.21  | 2433.83  | 1724.61  | 1462.72  | 1173.15  | 956.32   | 793.29  | 673.84  |
| 90.0   | 4687.76  | 3375.70  | 2467.56  | 1869.05  | 1442.65  | 1146.86  | 931.50   | 779.27  | 660.78  |
| 120.0  | 4203.41  | 3005.53  | 2266.90  | 1713.89  | 1337.91  | 1075.68  | 876.58   | 728.51  | 619.27  |
| 150.0  | 4419.64  | 2854.17  | 2113.82  | 1632.93  | 1263.62  | 1005.01  | 828.57   | 690.19  | 589.86  |
| 180.0  | 3329.00  | 2445.07  | 1723.05  | 1412.04  | 1117.28  | 900.88   | 747.53   | 625.24  | 533.30  |
| 210.0  | 3371.38  | 2484.86  | 1717.86  | 1464.28  | 1154.73  | 928.82   | 770.54   | 656.37  | 560.63  |
| 240.0  | 3364.46  | 2490.05  | 1907.10  | 1453.90  | 1151.18  | 928.04   | 771.49   | 653.00  | 560.46  |
| 270.0  | 3158.61  | 2366.37  | 1724.09  | 1397.68  | 1108.11  | 896.47   | 746.06   | 638.56  | 548.52  |
| 300.0  | 3546.09  | 2619.78  | 1972.84  | 1523.95  | 1195.29  | 962.63   | 791.38   | 672.03  | 576.89  |
| 330.0  | 3594.52  | 2638.81  | 2004.84  | 1547.91  | 1210.34  | 970.16   | 806.69   | 680.07  | 582.08  |
| 360.0  | 4385.04  | 2925.96  | 2163.11  | 1638.12  | 1277.46  | 1031.83  | 842.41   | 707.49  | 607.16  |
| C/γ(°) | 36.0     | 38.0     | 40.0     | 42.0     | 44.0     | 46.0     | 48.0     | 50.0    | 52.0    |
| 0.0    | 525.86   | 462.72   | 413.51   | 370.87   | 336.71   | 307.39   | 283.95   | 262.32  | 240.62  |
| 30.0   | 589.00   | 517.21   | 458.40   | 414.03   | 375.45   | 344.84   | 316.81   | 293.98  | 271.41  |
| 60.0   | 587.27   | 514.62   | 457.01   | 413.34   | 375.28   | 343.54   | 316.03   | 293.29  | 272.27  |
| 90.0   | 569.97   | 499.91   | 444.56   | 398.98   | 361.10   | 331.17   | 304.53   | 282.04  | 259.21  |
| 120.0  | 540.48   | 473.88   | 423.28   | 380.38   | 345.27   | 315.77   | 291.90   | 267.51  | 250.13  |
| 150.0  | 506.83   | 447.15   | 397.08   | 358.50   | 325.12   | 297.35   | 274.26   | 253.07  | 234.47  |
| 180.0  | 462.81   | 408.41   | 361.96   | 327.02   | 296.06   | 270.54   | 248.92   | 230.58  | 213.02  |
| 210.0  | 492.04   | 434.09   | 385.75   | 350.11   | 318.54   | 291.04   | 268.21   | 249.18  | 231.01  |
| 240.0  | 490.40   | 437.64   | 387.39   | 350.37   | 320.70   | 293.37   | 270.80   | 251.25  | 232.83  |
| 270.0  | 480.62   | 427.69   | 381.68   | 346.05   | 315.69   | 290.17   | 267.08   | 246.41  | 224.10  |
| 300.0  | 501.64   | 445.42   | 398.55   | 359.54   | 329.87   | 302.37   | 278.58   | 259.21  | 240.01  |
| 330.0  | 511.24   | 450.87   | 403.91   | 365.07   | 332.99   | 305.40   | 283.08   | 262.50  | 243.30  |
| 360.0  | 525.86   | 462.72   | 413.51   | 370.87   | 336.71   | 307.39   | 283.95   | 262.32  | 240.62  |
| C/γ(°) | 54.0     | 56.0     | 58.0     | 60.0     | 62.0     | 64.0     | 66.0     | 68.0    | 70.0    |
| 0.0    | 218.47   | 198.06   | 179.64   | 162.60   | 145.82   | 128.70   | 114.60   | 101.11  | 78.79   |
| 30.0   | 252.38   | 231.71   | 210.86   | 188.98   | 169.17   | 150.41   | 130.69   | 111.14  | 92.20   |
| 60.0   | 252.90   | 234.30   | 214.06   | 192.79   | 171.42   | 151.62   | 131.12   | 110.27  | 90.30   |
| 90.0   | 238.19   | 216.23   | 194.34   | 174.36   | 154.99   | 137.52   | 120.65   | 106.73  | 89.60   |
| 120.0  | 233.61   | 216.05   | 198.49   | 176.87   | 158.10   | 138.82   | 120.74   | 101.89  | 84.07   |
| 150.0  | 217.70   | 201.95   | 185.00   | 166.49   | 149.11   | 131.03   | 113.82   | 95.05   | 77.58   |
| 180.0  | 194.34   | 176.70   | 160.09   | 143.31   | 126.53   | 111.49   | 98.08    | 84.93   | 65.82   |
| 210.0  | 215.19   | 197.54   | 177.56   | 158.10   | 139.08   | 120.74   | 101.80   | 84.85   | 68.24   |
| 240.0  | 214.84   | 197.63   | 178.43   | 158.97   | 141.50   | 122.12   | 103.70   | 84.24   | 67.03   |
| 270.0  | 202.47   | 184.05   | 164.76   | 146.51   | 129.13   | 114.43   | 100.50   | 82.08   | 61.32   |
| 300.0  | 221.93   | 202.39   | 182.58   | 163.12   | 145.04   | 126.79   | 107.85   | 90.38   | 73.08   |
| 330.0  | 226.43   | 207.75   | 188.03   | 168.40   | 150.58   | 131.64   | 113.82   | 93.76   | 75.51   |
| 360.0  | 218.47   | 198.06   | 179.64   | 162.60   | 145.82   | 128.70   | 114.60   | 101.11  | 78.79   |

# ROLED 投光灯

## 光强数据表(cd)

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|        |       |       |       |       |       |      |      |      |      |
|--------|-------|-------|-------|-------|-------|------|------|------|------|
| C/γ(°) | 72.0  | 74.0  | 76.0  | 78.0  | 80.0  | 82.0 | 84.0 | 86.0 | 88.0 |
| 0.0    | 57.78 | 42.21 | 28.89 | 17.73 | 6.31  | 1.12 | 0.69 | 0.61 | 0.52 |
| 30.0   | 73.78 | 51.03 | 33.99 | 21.02 | 11.68 | 3.20 | 0.78 | 0.78 | 0.61 |
| 60.0   | 71.01 | 52.33 | 35.46 | 21.88 | 11.94 | 3.11 | 0.86 | 0.78 | 0.69 |
| 90.0   | 68.59 | 48.78 | 35.46 | 22.40 | 10.90 | 4.07 | 0.78 | 0.69 | 0.61 |
| 120.0  | 68.41 | 46.19 | 30.70 | 19.55 | 10.47 | 3.11 | 0.86 | 0.78 | 0.61 |
| 150.0  | 60.72 | 43.59 | 28.46 | 17.56 | 9.51  | 2.34 | 0.86 | 0.78 | 0.69 |
| 180.0  | 47.57 | 34.94 | 21.97 | 12.20 | 4.15  | 0.95 | 0.69 | 0.61 | 0.52 |
| 210.0  | 48.87 | 32.69 | 20.58 | 11.16 | 3.20  | 0.95 | 0.95 | 0.78 | 0.52 |
| 240.0  | 48.61 | 33.04 | 20.33 | 11.16 | 3.46  | 0.95 | 0.78 | 0.69 | 0.43 |
| 270.0  | 43.33 | 30.53 | 17.99 | 7.61  | 2.51  | 0.78 | 0.78 | 0.61 | 0.43 |
| 300.0  | 52.93 | 35.63 | 23.70 | 12.71 | 5.02  | 0.95 | 0.69 | 0.61 | 0.52 |
| 330.0  | 56.91 | 38.23 | 25.17 | 14.10 | 6.23  | 1.47 | 0.69 | 0.69 | 0.52 |
| 360.0  | 57.78 | 42.21 | 28.89 | 17.73 | 6.31  | 1.12 | 0.69 | 0.61 | 0.52 |
| C/γ(°) | 90.0  |       |       |       |       |      |      |      |      |
| 0.0    | 0.35  |       |       |       |       |      |      |      |      |
| 30.0   | 0.43  |       |       |       |       |      |      |      |      |
| 60.0   | 0.43  |       |       |       |       |      |      |      |      |
| 90.0   | 0.43  |       |       |       |       |      |      |      |      |
| 120.0  | 0.52  |       |       |       |       |      |      |      |      |
| 150.0  | 0.35  |       |       |       |       |      |      |      |      |
| 180.0  | 0.35  |       |       |       |       |      |      |      |      |
| 210.0  | 0.43  |       |       |       |       |      |      |      |      |
| 240.0  | 0.35  |       |       |       |       |      |      |      |      |
| 270.0  | 0.35  |       |       |       |       |      |      |      |      |
| 300.0  | 0.43  |       |       |       |       |      |      |      |      |
| 330.0  | 0.43  |       |       |       |       |      |      |      |      |
| 360.0  | 0.35  |       |       |       |       |      |      |      |      |