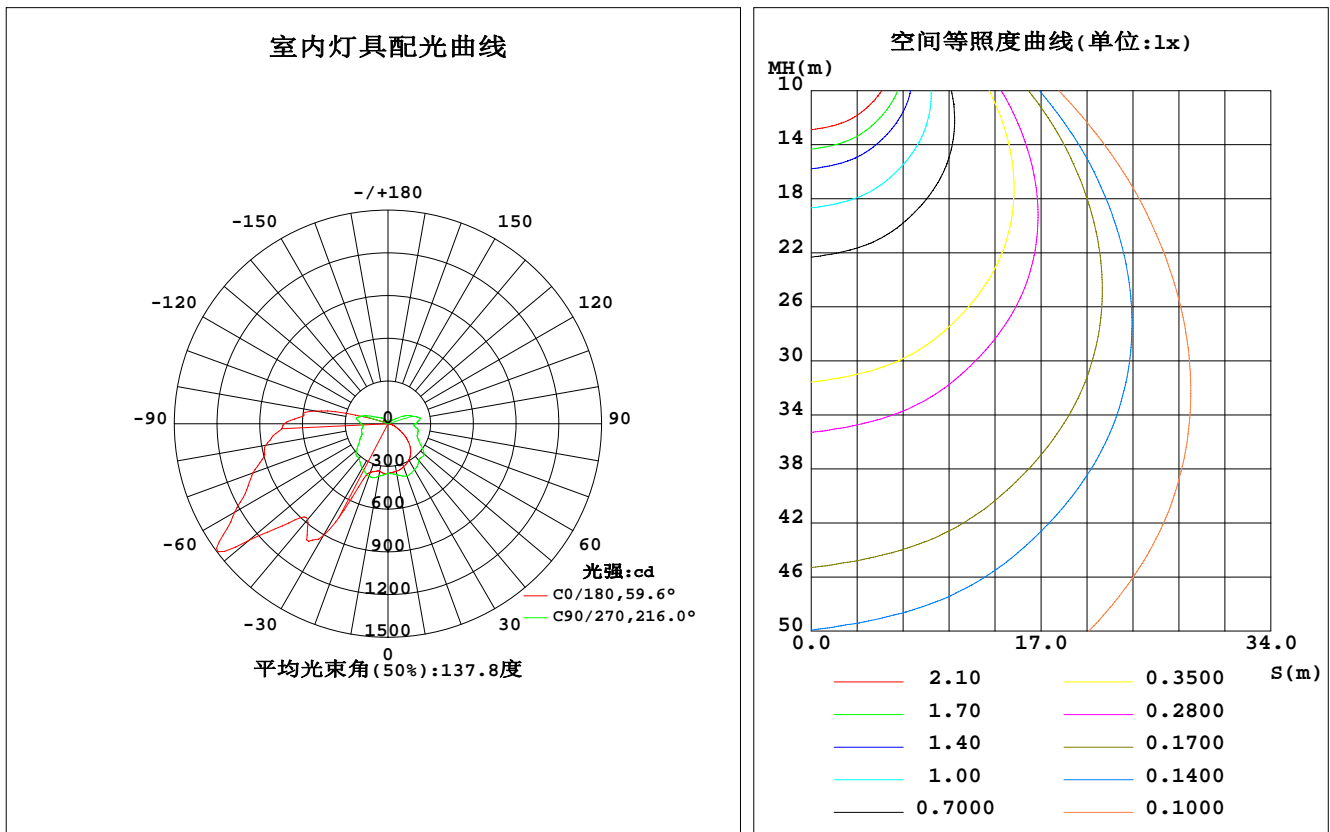


室内灯具光度数据

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |

| 光源数据 | | 光度数据 | | | | 光效: 69.93 lm/W |
|-----------|----------|----------|--------|-------------------------|--|----------------|
| 型号 | S2835.96 | 峰值光强(cd) | 1494 | S/MH(C0/180) | | 2.98 |
| 标称功率(W) | 47.9935 | 灯具效率(%) | 100.0 | S/MH(C90/270) | | 1.47 |
| 额定电源电压(V) | 220 | 总光通量(lm) | 3356.1 | η UP, DN(C0-180) | | 10.2, 29.7 |
| 额定光通量(lm) | 3356.14 | CIE分类 | 半直接 | η UP, DN(C180-360) | | 13.8, 46.2 |
| 灯具内光源数(只) | 1 | 上射光通比(%) | 24.1 | CIBSE SHR NOM | | 1.25 |
| 实测电源电压(V) | 220 | 下射光通比(%) | 75.9 | CIBSE SHR MAX | | 1.35 |



C角度范围: 0度 - 360度
C角度间隔: 45.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: WEIJIE
测试日期: 2017-07-07

γ 角度范围: 0度 - 180度
 γ 角度间隔: 1.0度
测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.0.351
环境湿度: 65.0%
测试距离: 9.490米 [K=1.0000]
备注:

灯具环带光通量

环带光通量:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | $\gamma(^{\circ})$ | Φ 环 | Φ 总 | %lum, lamp |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|----------|----------|------------|
| 10 | 339.2 | 346.4 | 364.0 | 353.0 | 340.0 | 367.3 | 376.1 | 352.0 | 0- 10 | 33.68 | 33.68 | 1,1 |
| 20 | 321.7 | 343.8 | 390.1 | 396.9 | 362.3 | 428.0 | 390.8 | 348.4 | 10- 20 | 103.4 | 137.1 | 4.08,4.08 |
| 30 | 293.9 | 326.6 | 372.8 | 448.4 | 906.3 | 473.0 | 362.2 | 325.8 | 20- 30 | 183.6 | 320.7 | 9.55,9.55 |
| 40 | 248.5 | 287.9 | 338.4 | 671.3 | 879.2 | 654.8 | 317.8 | 283.8 | 30- 40 | 293.1 | 613.7 | 18.3,18.3 |
| 50 | 179.7 | 239.1 | 330.7 | 540.6 | 1274 | 471.0 | 287.5 | 239.0 | 40- 50 | 347.4 | 961.1 | 28.6,28.6 |
| 60 | 100.8 | 184.5 | 254.8 | 647.3 | 1243 | 521.5 | 228.9 | 182.6 | 50- 60 | 404.7 | 1366 | 40.7,40.7 |
| 70 | 50.00 | 133.8 | 221.8 | 707.9 | 1009 | 546.2 | 194.0 | 143.1 | 60- 70 | 389.3 | 1755 | 52.3,52.3 |
| 80 | 20.66 | 118.4 | 211.1 | 927.9 | 873.6 | 727.6 | 184.7 | 146.3 | 70- 80 | 399.3 | 2154 | 64.2,64.2 |
| 90 | 3.676 | 121.3 | 188.8 | 692.3 | 729.0 | 556.9 | 191.8 | 150.6 | 80- 90 | 393.8 | 2548 | 75.9,75.9 |
| 100 | 4.417 | 125.5 | 229.7 | 872.0 | 516.9 | 775.7 | 226.0 | 147.0 | 90-100 | 360.0 | 2908 | 86.7,86.7 |
| 110 | 4.920 | 121.3 | 167.8 | 226.1 | 62.01 | 161.6 | 164.6 | 131.1 | 100-110 | 265.9 | 3174 | 94.6,94.6 |
| 120 | 4.938 | 64.81 | 88.99 | 102.3 | 38.05 | 103.9 | 94.17 | 72.11 | 110-120 | 94.57 | 3269 | 97.4,97.4 |
| 130 | 4.556 | 29.67 | 37.93 | 53.38 | 36.99 | 87.00 | 66.80 | 33.65 | 120-130 | 50.88 | 3320 | 98.9,98.9 |
| 140 | 3.847 | 16.40 | 3.321 | 19.24 | 18.85 | 34.04 | 45.49 | 19.53 | 130-140 | 23.54 | 3343 | 99.6,99.6 |
| 150 | 3.165 | 7.106 | 13.69 | 9.953 | 11.69 | 7.102 | 18.65 | 7.890 | 140-150 | 9.257 | 3352 | 99.9,99.9 |
| 160 | 2.677 | 2.766 | 6.120 | 2.527 | 3.411 | 1.730 | 4.337 | 3.065 | 150-160 | 2.967 | 3355 | 100,100 |
| 170 | 2.255 | 2.005 | 1.861 | 1.693 | 1.698 | 1.672 | 1.761 | 2.043 | 160-170 | 0.6753 | 3356 | 100,100 |
| 180 | 1.794 | 1.772 | 1.735 | 1.751 | 1.767 | 1.762 | 1.751 | 1.767 | 170-180 | 0.1737 | 3356 | 100,100 |
| 单位:° | 光强:cd | | | | | | | | | 单位:lm | | |

锥面光通量(90度): 781.36 lm

%lum = 23.3%

%lamp = 23.3%

锥面光通量(120度): 1365.8 lm

%lum = 40.7%

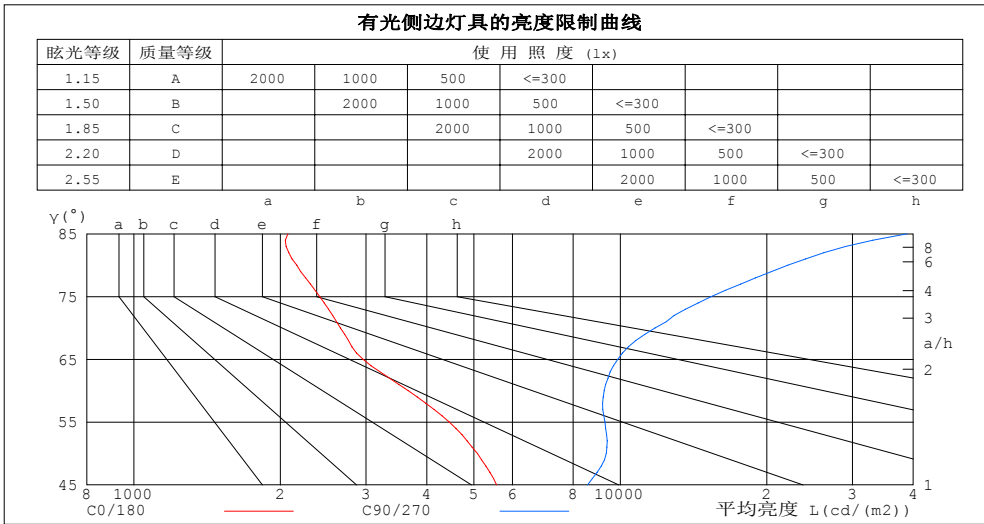
%lamp = 40.7%

C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ 角度范围: 0度 - 180度
 γ 角度间隔: 1.0度
 测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

灯具亮度限制曲线

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格: 散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |



| 平均亮度值 cd/(m2) | | |
|---------------|--------|---------|
| γ (°) | C0/180 | C90/270 |
| 85 | 2073 | 38846 |
| 80 | 2163 | 22100 |
| 75 | 2410 | 15380 |
| 70 | 2658 | 11792 |
| 65 | 2959 | 9878 |
| 60 | 3665 | 9266 |
| 55 | 4449 | 9300 |
| 50 | 5083 | 9355 |
| 45 | 5568 | 8559 |

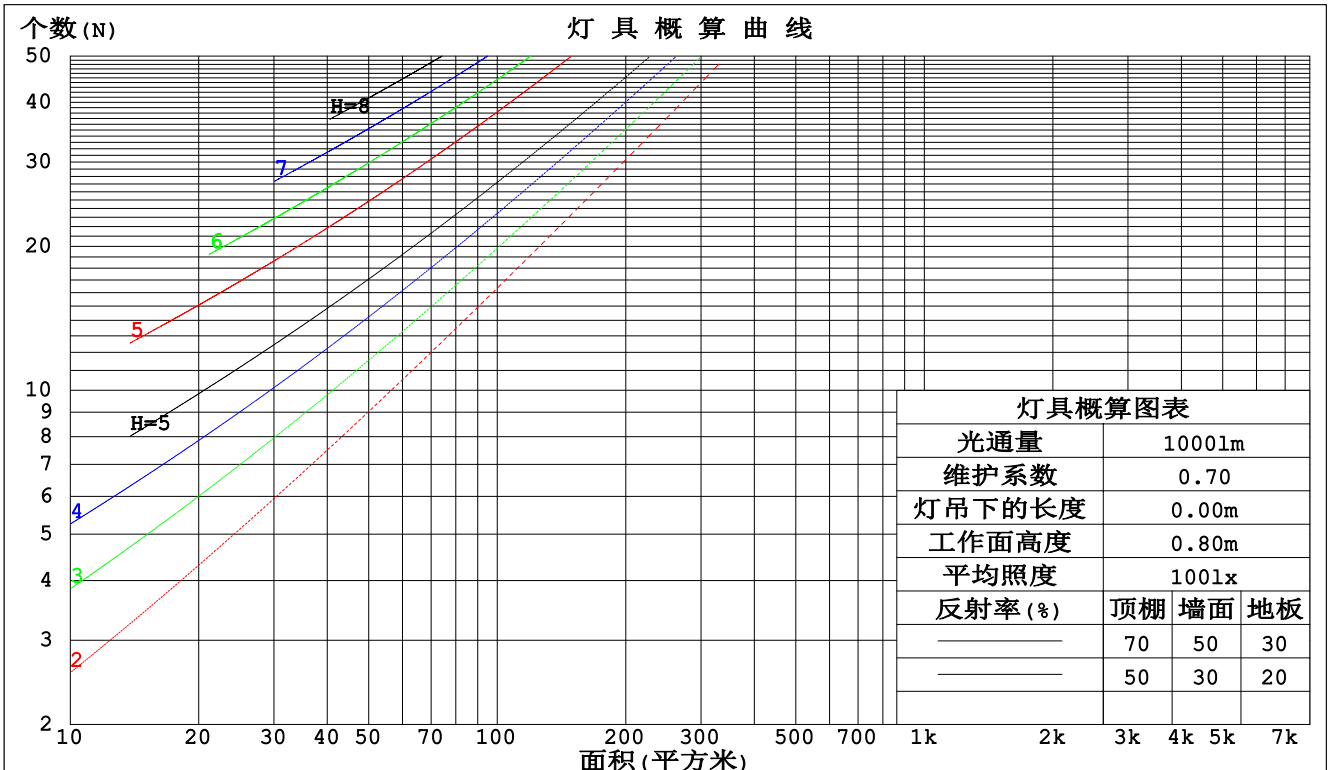
C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

工作面利用系数和灯具概算曲线

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |

| 顶棚 | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 墙面 | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| 地板 | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| 室空间比 | 工作面利用系数 | | | | | | | | | | | | | | | |
| 0.0 | 1.13 | 1.13 | 1.13 | 1.08 | 1.08 | 1.08 | .98 | .98 | .98 | .88 | .88 | .88 | .80 | .80 | .80 | .76 |
| 1.0 | .91 | .85 | .79 | .86 | .81 | .75 | .77 | .73 | .69 | .69 | .66 | .62 | .62 | .59 | .56 | .52 |
| 2.0 | .76 | .68 | .60 | .72 | .64 | .58 | .65 | .58 | .52 | .58 | .52 | .48 | .51 | .47 | .43 | .39 |
| 3.0 | .65 | .55 | .48 | .62 | .53 | .46 | .55 | .48 | .42 | .49 | .43 | .38 | .43 | .38 | .34 | .31 |
| 4.0 | .57 | .47 | .39 | .54 | .44 | .37 | .48 | .40 | .34 | .43 | .36 | .31 | .38 | .32 | .28 | .25 |
| 5.0 | .50 | .40 | .32 | .47 | .38 | .31 | .42 | .34 | .28 | .38 | .31 | .26 | .33 | .28 | .23 | .20 |
| 6.0 | .44 | .34 | .27 | .42 | .33 | .26 | .38 | .30 | .24 | .34 | .27 | .22 | .30 | .24 | .20 | .17 |
| 7.0 | .40 | .30 | .24 | .38 | .29 | .23 | .34 | .26 | .21 | .30 | .24 | .19 | .27 | .21 | .17 | .15 |
| 8.0 | .36 | .27 | .20 | .34 | .26 | .20 | .31 | .23 | .18 | .28 | .21 | .17 | .25 | .19 | .15 | .13 |
| 9.0 | .33 | .24 | .18 | .31 | .23 | .17 | .28 | .21 | .16 | .25 | .19 | .15 | .23 | .17 | .13 | .11 |
| 10.0 | .30 | .21 | .16 | .28 | .21 | .15 | .26 | .19 | .14 | .23 | .17 | .13 | .21 | .16 | .12 | .10 |



C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

墙面和天花板利用系数

| | | | | | | | | |
|---|--|--|---------------------|--|--|----------|--|--|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | | | | | | | |
| 灯具名称: 昌龙投光灯改LED | | | 灯具类型:LED 4000K | | | 灯具重量:N/A | | |
| 灯具规格:散热结构方案2 | | | 外型尺寸: 260*190*320MM | | | 测试编号:3 | | |
| 制造厂商: CHONON | | | 发光口面:0.22*0.25 | | | 遮光角:N/A | | |

| 顶棚 | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 墙面 | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| 地板 | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| 室空间比 | 墙壁面利用系数 | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .448 | .255 | .081 | .433 | .247 | .079 | .406 | .233 | .074 | .380 | .219 | .070 | .357 | .207 | .067 | |
| 2.0 | .372 | .204 | .063 | .358 | .197 | .061 | .333 | .185 | .058 | .310 | .174 | .054 | .289 | .163 | .052 | |
| 3.0 | .323 | .172 | .051 | .311 | .166 | .050 | .288 | .156 | .047 | .267 | .146 | .045 | .247 | .137 | .042 | |
| 4.0 | .286 | .149 | .044 | .275 | .144 | .043 | .254 | .135 | .040 | .235 | .126 | .038 | .217 | .118 | .036 | |
| 5.0 | .257 | .131 | .038 | .247 | .127 | .037 | .228 | .119 | .035 | .211 | .111 | .033 | .194 | .104 | .031 | |
| 6.0 | .234 | .117 | .034 | .225 | .114 | .033 | .207 | .106 | .031 | .191 | .099 | .029 | .176 | .093 | .028 | |
| 7.0 | .214 | .106 | .030 | .206 | .103 | .029 | .190 | .096 | .028 | .175 | .090 | .026 | .161 | .084 | .025 | |
| 8.0 | .198 | .097 | .027 | .190 | .094 | .026 | .175 | .088 | .025 | .162 | .082 | .024 | .149 | .076 | .022 | |
| 9.0 | .183 | .089 | .025 | .176 | .086 | .024 | .163 | .081 | .023 | .150 | .075 | .022 | .138 | .070 | .020 | |
| 10.0 | .171 | .082 | .023 | .164 | .079 | .022 | .152 | .074 | .021 | .140 | .070 | .020 | .129 | .065 | .019 | |

| 顶棚 | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 墙面 | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| 地板 | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| 室空间比 | 天花板利用系数 | | | | | | | | | | | | | | | |
| 0.0 | .374 | .374 | .374 | .320 | .320 | .320 | .218 | .218 | .218 | .125 | .125 | .125 | .040 | .040 | .040 | |
| 1.0 | .375 | .340 | .308 | .321 | .292 | .265 | .219 | .201 | .184 | .126 | .116 | .107 | .040 | .037 | .035 | |
| 2.0 | .369 | .318 | .274 | .316 | .273 | .237 | .217 | .189 | .166 | .125 | .110 | .097 | .040 | .036 | .032 | |
| 3.0 | .362 | .302 | .254 | .310 | .260 | .220 | .213 | .181 | .154 | .123 | .106 | .091 | .040 | .034 | .030 | |
| 4.0 | .354 | .290 | .241 | .304 | .250 | .209 | .209 | .175 | .147 | .121 | .102 | .087 | .039 | .033 | .029 | |
| 5.0 | .346 | .280 | .232 | .297 | .243 | .202 | .205 | .169 | .142 | .119 | .099 | .084 | .038 | .032 | .028 | |
| 6.0 | .338 | .273 | .225 | .291 | .236 | .196 | .201 | .165 | .139 | .116 | .097 | .083 | .038 | .032 | .027 | |
| 7.0 | .331 | .266 | .221 | .285 | .231 | .192 | .197 | .162 | .136 | .114 | .095 | .081 | .037 | .031 | .027 | |
| 8.0 | .324 | .261 | .217 | .279 | .226 | .189 | .193 | .159 | .134 | .112 | .094 | .080 | .036 | .031 | .027 | |
| 9.0 | .317 | .256 | .214 | .273 | .222 | .187 | .189 | .156 | .133 | .110 | .092 | .079 | .036 | .030 | .026 | |
| 10.0 | .311 | .252 | .212 | .268 | .219 | .185 | .186 | .154 | .132 | .109 | .091 | .079 | .035 | .030 | .026 | |

C角度范围: 0度 - 360度
C角度间隔: 45.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: WEIJIE
测试日期: 2017-07-07

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
环境湿度: 65.0%
测试距离: 9.490米 [K=1.0000]
备注:

UGR(Unified Glare Rating)数据表

| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | | | | | | | | | |
|---|----------------------|------|------|------|---------------------|--------------------|------|----------|------|------|
| 灯具名称: 昌龙投光灯改LED | | | | | 灯具类型:LED 4000K | | | 灯具重量:N/A | | |
| 灯具规格:散热结构方案2 | | | | | 外型尺寸: 260*190*320MM | | | 测试编号:3 | | |
| 制造厂商: CHONON | | | | | 发光口面:0.22*0.25 | | | 遮光角:N/A | | |
| 反射比: 天花板 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| 墙面 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| 工作面 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 房间尺寸 | 交叉(Viewed crosswise) | | | | | 向前(Viewed endwise) | | | | |
| x = 2H y = 2H | 13.8 | 15.2 | 14.4 | 15.8 | 16.5 | 16.8 | 18.2 | 17.4 | 18.8 | 19.5 |
| 3H | 14.7 | 16.0 | 15.3 | 16.6 | 17.3 | 19.2 | 20.5 | 19.8 | 21.2 | 21.9 |
| 4H | 15.1 | 16.3 | 15.7 | 16.9 | 17.7 | 20.8 | 22.0 | 21.5 | 22.7 | 23.5 |
| 6H | 15.4 | 16.5 | 16.0 | 17.2 | 18.0 | 22.7 | 23.9 | 23.4 | 24.6 | 25.3 |
| 8H | 15.5 | 16.6 | 16.1 | 17.3 | 18.1 | 23.7 | 24.9 | 24.4 | 25.5 | 26.3 |
| 12H | 15.5 | 16.6 | 16.2 | 17.3 | 18.1 | 24.8 | 25.9 | 25.5 | 26.6 | 27.4 |
| 4H 2H | 14.8 | 16.1 | 15.5 | 16.7 | 17.5 | 17.1 | 18.3 | 17.7 | 19.0 | 19.7 |
| 3H | 16.1 | 17.2 | 16.8 | 17.9 | 18.7 | 19.8 | 20.8 | 20.4 | 21.5 | 22.3 |
| 4H | 16.7 | 17.7 | 17.4 | 18.4 | 19.3 | 21.5 | 22.5 | 22.2 | 23.3 | 24.1 |
| 6H | 17.3 | 18.2 | 18.0 | 18.9 | 19.8 | 23.7 | 24.6 | 24.4 | 25.3 | 26.2 |
| 8H | 17.6 | 18.4 | 18.3 | 19.1 | 20.0 | 24.9 | 25.7 | 25.6 | 26.5 | 27.3 |
| 12H | 17.7 | 18.5 | 18.5 | 19.3 | 20.2 | 26.1 | 26.9 | 26.9 | 27.7 | 28.6 |
| 8H 4H | 17.9 | 18.8 | 18.7 | 19.5 | 20.4 | 21.8 | 22.6 | 22.5 | 23.3 | 24.2 |
| 6H | 19.0 | 19.7 | 19.8 | 20.5 | 21.4 | 24.2 | 24.9 | 25.0 | 25.7 | 26.6 |
| 8H | 19.6 | 20.2 | 20.3 | 21.0 | 21.9 | 25.6 | 26.2 | 26.3 | 27.0 | 27.9 |
| 12H | 20.0 | 20.6 | 20.8 | 21.4 | 22.4 | 27.1 | 27.7 | 27.9 | 28.5 | 29.4 |
| 12H 4H | 18.4 | 19.2 | 19.1 | 19.9 | 20.9 | 21.8 | 22.5 | 22.5 | 23.3 | 24.2 |
| 6H | 19.8 | 20.4 | 20.6 | 21.2 | 22.2 | 24.3 | 24.9 | 25.1 | 25.7 | 26.7 |
| 8H | 20.5 | 21.1 | 21.3 | 21.9 | 22.9 | 25.8 | 26.3 | 26.5 | 27.1 | 28.1 |
| 不同间隔布灯时,观察者位置引起的UGR变化: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.1 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.2 | | | | |
| 2.0H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |

依据CIE Pub.117计算,表格已按3356lm光源光通进行修正($81\log(F/F_0) = 4.2$).

C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

UF利用系数表

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |

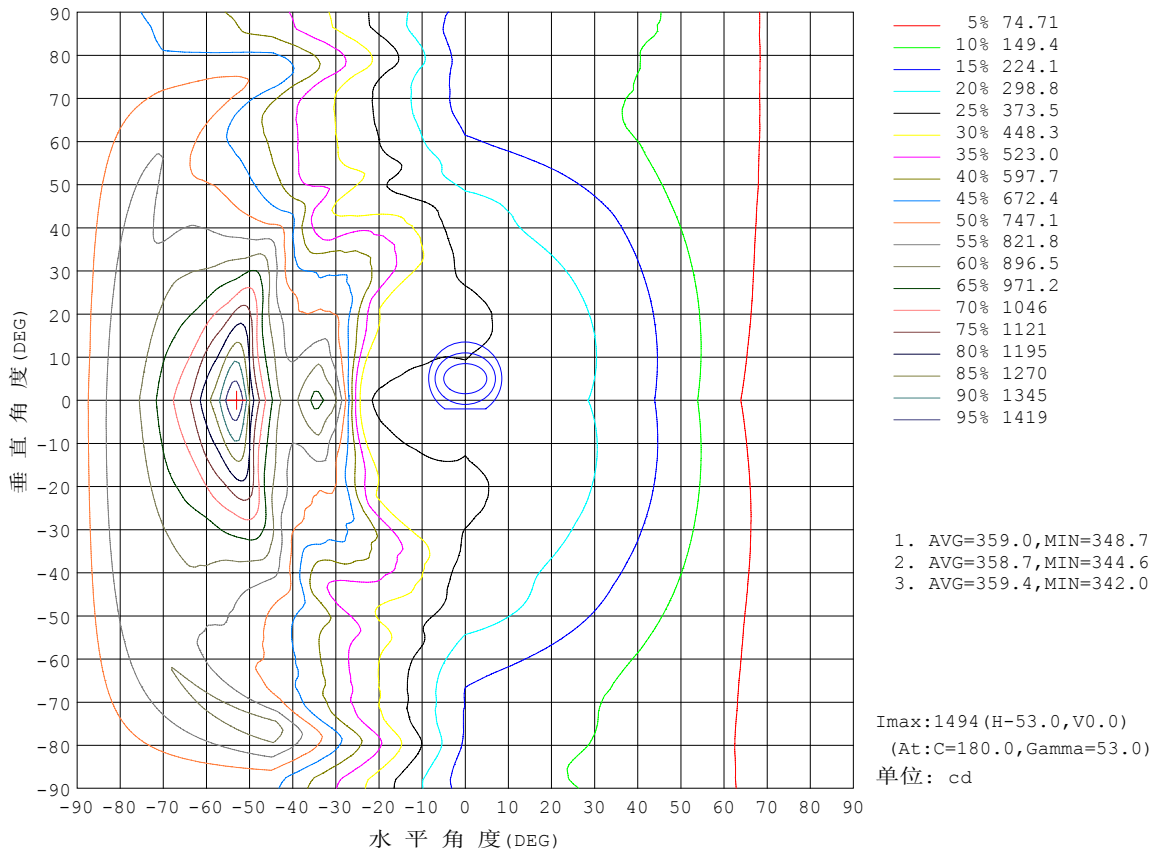
| 反 射 比 / REFLECTANCE | | | | | | | | | | |
|----------------------------|---|-----|-----|-----|-----|--------------------|-----|-----|-----|---------|
| 天花板 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| 墙壁 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| 工作面 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| 室形指数 | 利用系数 UTILIZATION FACTORS (%) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 41 | 28 | 20 | 40 | 27 | 20 | 38 | 27 | 20 | 13 |
| 0.80 | 50 | 36 | 27 | 48 | 35 | 27 | 45 | 34 | 26 | 18 |
| 1.00 | 58 | 43 | 34 | 55 | 42 | 33 | 52 | 43 | 32 | 23 |
| 1.25 | 64 | 50 | 40 | 62 | 49 | 40 | 57 | 46 | 38 | 28 |
| 1.50 | 70 | 56 | 46 | 67 | 54 | 45 | 62 | 51 | 43 | 31 |
| 2.00 | 77 | 64 | 55 | 74 | 62 | 53 | 68 | 58 | 50 | 37 |
| 2.50 | 82 | 70 | 61 | 79 | 68 | 59 | 72 | 63 | 55 | 41 |
| 3.00 | 86 | 75 | 66 | 82 | 72 | 64 | 75 | 67 | 60 | 45 |
| 4.00 | 92 | 82 | 74 | 87 | 78 | 71 | 79 | 72 | 66 | 50 |
| 5.00 | 95 | 86 | 79 | 90 | 83 | 76 | 82 | 76 | 70 | 53 |
| ROOM INDEX | UF (总) | | | | | | | | | UF (直接) |
| 依据标准文件 DIN EN 13032-2 2004 | | | 悬挂灯 | | | 安装距高比 SHRNM = 1.25 | | | | |

C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

灯具等光强曲线

| | | |
|---|---------------------|-----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型: LED 4000K | 灯具重量: N/A |
| 灯具规格: 散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号: 3 |
| 制造厂商: CHONON | 发光口面: 0.22*0.25 | 遮光角: N/A |

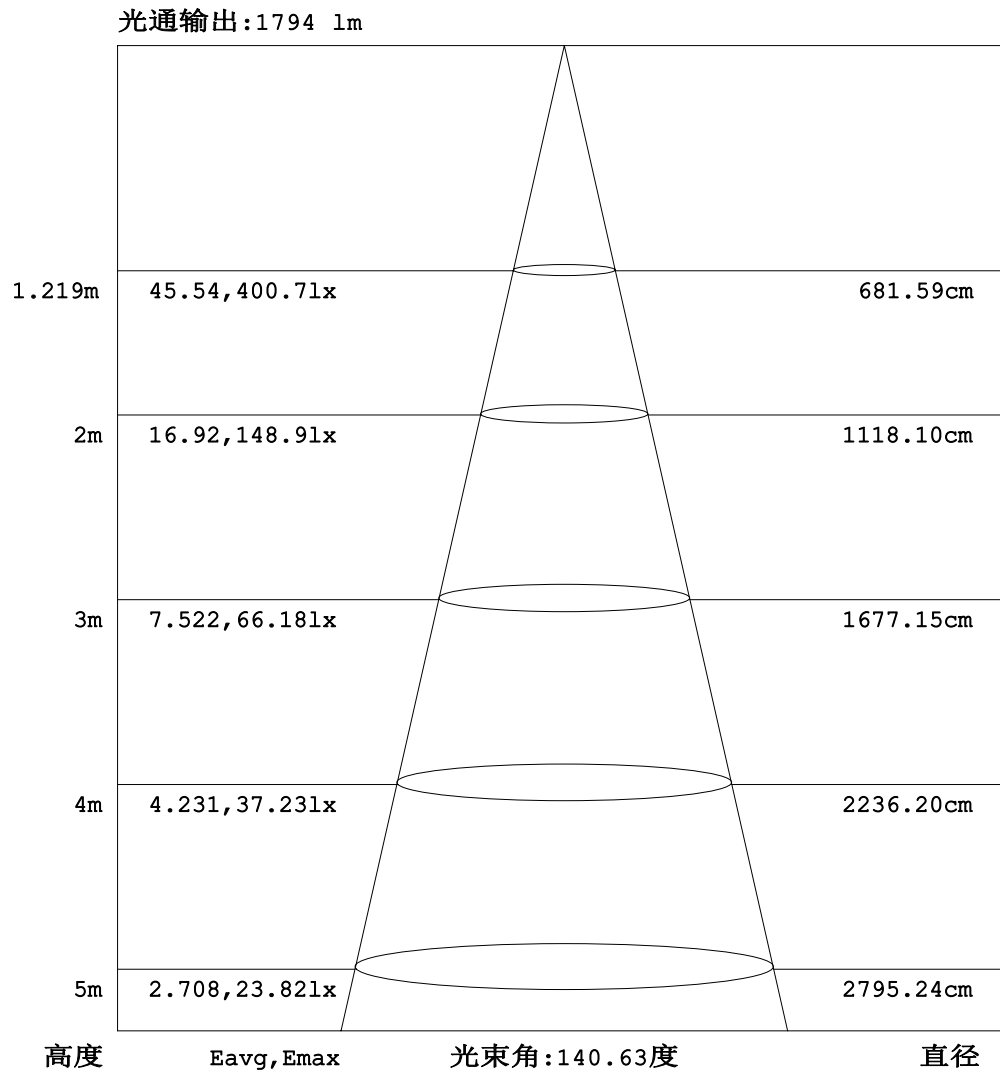


C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

灯具有效平均照度图

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |



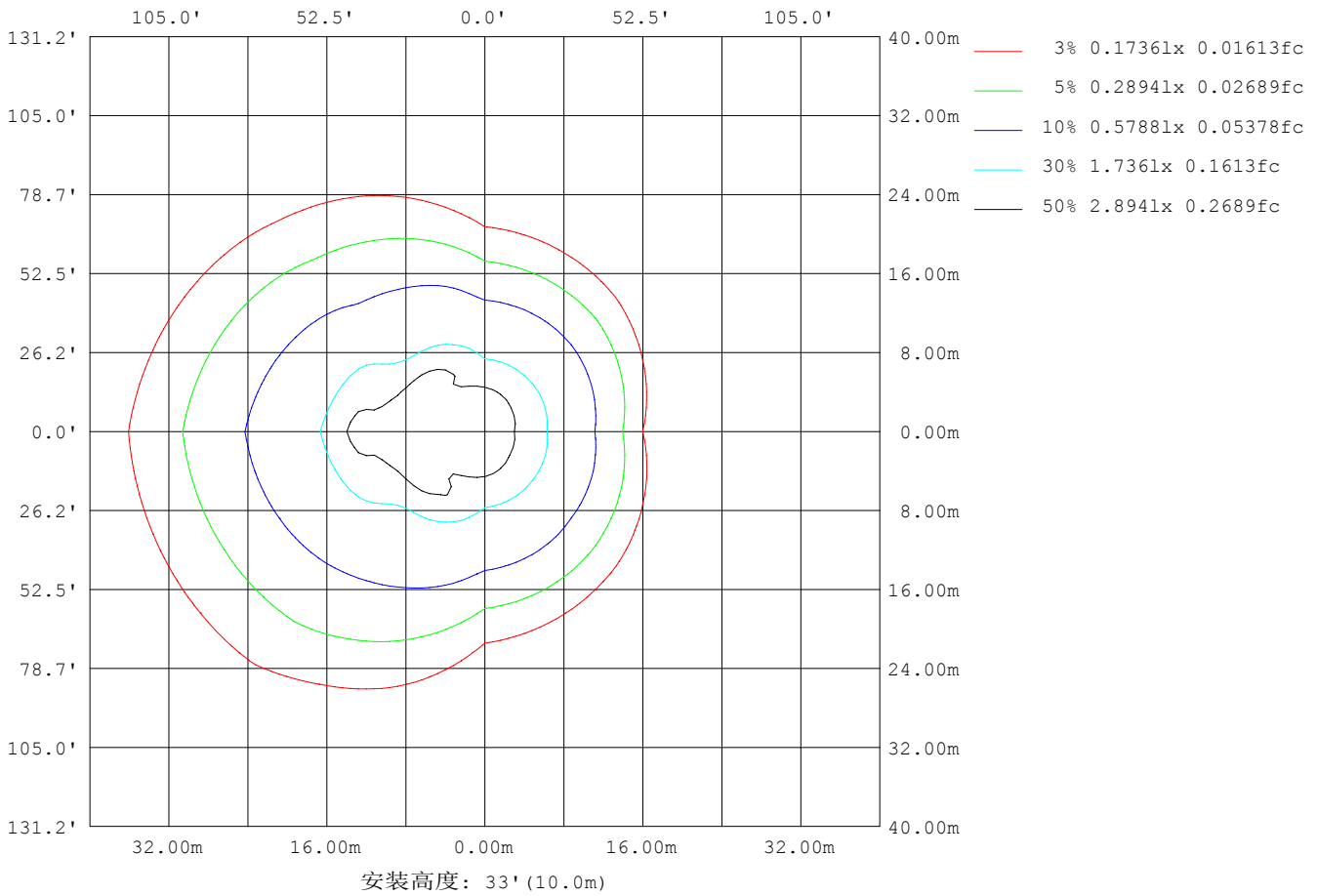
注:曲线为灯具在不同投射距离下的照射区域及区域内平均照度.

C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度:25.3℃
 测试人员:WEIJIE
 测试日期:2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方(EVERFINE)GO-2000B_V1系统 V2.0.351
 环境湿度:65.0%
 测试距离:9.490米 [K=1.0000]
 备注:

平面等照度曲线

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |



C角度范围: 0度 - 360度
 C角度间隔: 45.0度
 测试速度: 快速
 环境温度: 25.3℃
 测试人员: WEIJIE
 测试日期: 2017-07-07

γ角度范围: 0度 - 180度
 γ角度间隔: 1.0度
 测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
 环境湿度: 65.0%
 测试距离: 9.490米 [K=1.0000]
 备注:

LED筒灯平均亮度报告

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |

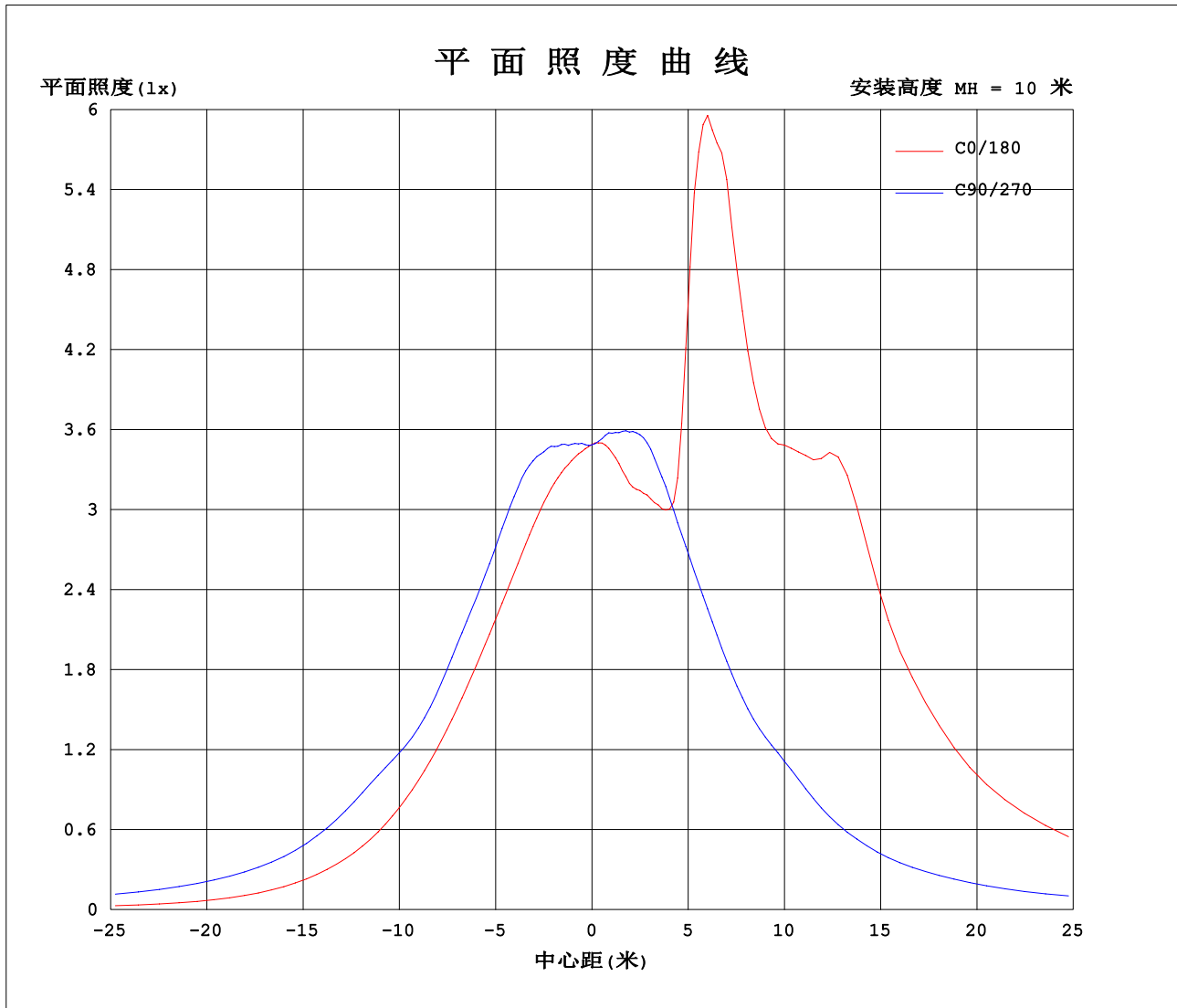
| 平均亮度 | 数值(cd/m ²) |
|-----------|------------------------|
| L横(65)av | 25012 |
| L横(75)av | 32934 |
| L横(85)av | 83615 |
| L纵(65)av | 9423 |
| L纵(75)av | 14444 |
| L纵(85)av | 37631 |
| L45(65)av | 16308 |
| L45(75)av | 27970 |
| L45(85)av | 89038 |

注:依据标准 GB/T 29293-2012 计算

C角度范围: 0度 - 360度
C角度间隔: 45.0度
测试速度: 快速
环境温度:25.3℃
测试人员:WEIJIE
测试日期:2017-07-07

γ角度范围: 0度 - 180度
γ角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
环境湿度:65.0%
测试距离:9.490米 [K=1.0000]
备注:

平面照度曲线



C角度范围: 0度 - 360度
C角度间隔: 45.0度
测试速度: 快速
环境温度: 25.3℃
测试人员: WEIJIE
测试日期: 2017-07-07

Y角度范围: 0度 - 180度
Y角度间隔: 1.0度
测试系统: 远方 (EVERFINE) GO-2000B_V1系统 V2.0.351
环境湿度: 65.0%
测试距离: 9.490米 [K=1.0000]
备注:

光强分布数据表格

| | | |
|---|---------------------|----------|
| 实测参数: U:220.1V I:0.2268A P:47.99W PF:0.9613 实检光通:3356.14x1 lm | | |
| 灯具名称: 昌龙投光灯改LED | 灯具类型:LED 4000K | 灯具重量:N/A |
| 灯具规格:散热结构方案2 | 外型尺寸: 260*190*320MM | 测试编号:3 |
| 制造厂商: CHONON | 发光口面:0.22*0.25 | 遮光角:N/A |

表--1

单位: cd

| C (DEG) \ γ (DEG) | 0 | 45 | 90 | 135 | 180 | 225 | 270 | 315 | | | | | | | | | | | |
|-------------------|------|------|------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 349 | 349 | 349 | 348 | 349 | 349 | 349 | 348 | | | | | | | | | | | |
| 5 | 343 | 347 | 354 | 352 | 350 | 359 | 362 | 352 | | | | | | | | | | | |
| 10 | 339 | 346 | 364 | 353 | 340 | 367 | 376 | 352 | | | | | | | | | | | |
| 15 | 333 | 346 | 379 | 366 | 346 | 392 | 393 | 352 | | | | | | | | | | | |
| 20 | 322 | 344 | 390 | 397 | 362 | 428 | 391 | 348 | | | | | | | | | | | |
| 25 | 309 | 339 | 384 | 416 | 490 | 424 | 378 | 341 | | | | | | | | | | | |
| 30 | 294 | 327 | 373 | 448 | 906 | 473 | 362 | 326 | | | | | | | | | | | |
| 35 | 274 | 310 | 362 | 620 | 996 | 630 | 339 | 306 | | | | | | | | | | | |
| 40 | 248 | 288 | 338 | 671 | 879 | 655 | 318 | 284 | | | | | | | | | | | |
| 45 | 217 | 265 | 333 | 638 | 985 | 584 | 314 | 263 | | | | | | | | | | | |
| 50 | 180 | 239 | 331 | 541 | 1274 | 471 | 288 | 239 | | | | | | | | | | | |
| 55 | 140 | 212 | 293 | 608 | 1447 | 551 | 254 | 212 | | | | | | | | | | | |
| 60 | 101 | 184 | 255 | 647 | 1243 | 521 | 229 | 183 | | | | | | | | | | | |
| 65 | 68.8 | 156 | 230 | 670 | 1094 | 533 | 208 | 157 | | | | | | | | | | | |
| 70 | 50.0 | 134 | 222 | 708 | 1009 | 546 | 194 | 143 | | | | | | | | | | | |
| 75 | 34.3 | 121 | 219 | 748 | 903 | 580 | 192 | 144 | | | | | | | | | | | |
| 80 | 20.7 | 118 | 211 | 928 | 874 | 728 | 185 | 146 | | | | | | | | | | | |
| 85 | 9.94 | 118 | 186 | 819 | 792 | 623 | 175 | 148 | | | | | | | | | | | |
| 90 | 3.68 | 121 | 189 | 692 | 729 | 557 | 192 | 151 | | | | | | | | | | | |
| 95 | 4.01 | 124 | 213 | 654 | 603 | 566 | 204 | 146 | | | | | | | | | | | |
| 100 | 4.42 | 126 | 230 | 872 | 517 | 776 | 226 | 147 | | | | | | | | | | | |
| 105 | 4.76 | 126 | 198 | 641 | 236 | 499 | 203 | 144 | | | | | | | | | | | |
| 110 | 4.92 | 121 | 168 | 226 | 62.0 | 162 | 165 | 131 | | | | | | | | | | | |
| 115 | 4.94 | 99.4 | 136 | 123 | 37.1 | 110 | 126 | 104 | | | | | | | | | | | |
| 120 | 4.94 | 64.8 | 89.0 | 102 | 38.0 | 104 | 94.2 | 72.1 | | | | | | | | | | | |
| 125 | 4.83 | 41.9 | 55.9 | 78.0 | 40.9 | 101 | 77.7 | 47.2 | | | | | | | | | | | |
| 130 | 4.56 | 29.7 | 37.9 | 53.4 | 37.0 | 87.0 | 66.8 | 33.7 | | | | | | | | | | | |
| 135 | 4.18 | 21.2 | 15.5 | 24.9 | 25.4 | 56.9 | 56.6 | 26.0 | | | | | | | | | | | |
| 140 | 3.85 | 16.4 | 3.32 | 19.2 | 18.8 | 34.0 | 45.5 | 19.5 | | | | | | | | | | | |
| 145 | 3.55 | 10.9 | 4.28 | 17.3 | 15.3 | 17.8 | 32.0 | 13.1 | | | | | | | | | | | |
| 150 | 3.16 | 7.11 | 13.7 | 9.95 | 11.7 | 7.10 | 18.7 | 7.89 | | | | | | | | | | | |
| 155 | 2.79 | 4.80 | 11.5 | 5.04 | 7.36 | 2.53 | 8.87 | 4.63 | | | | | | | | | | | |
| 160 | 2.68 | 2.77 | 6.12 | 2.53 | 3.41 | 1.73 | 4.34 | 3.07 | | | | | | | | | | | |
| 165 | 2.53 | 2.18 | 3.04 | 1.67 | 1.66 | 1.66 | 2.37 | 2.22 | | | | | | | | | | | |
| 170 | 2.25 | 2.00 | 1.86 | 1.69 | 1.70 | 1.67 | 1.76 | 2.04 | | | | | | | | | | | |
| 175 | 1.96 | 1.82 | 1.77 | 1.72 | 1.73 | 1.69 | 1.75 | 1.87 | | | | | | | | | | | |
| 180 | 1.79 | 1.77 | 1.74 | 1.75 | 1.77 | 1.76 | 1.75 | 1.77 | | | | | | | | | | | |

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