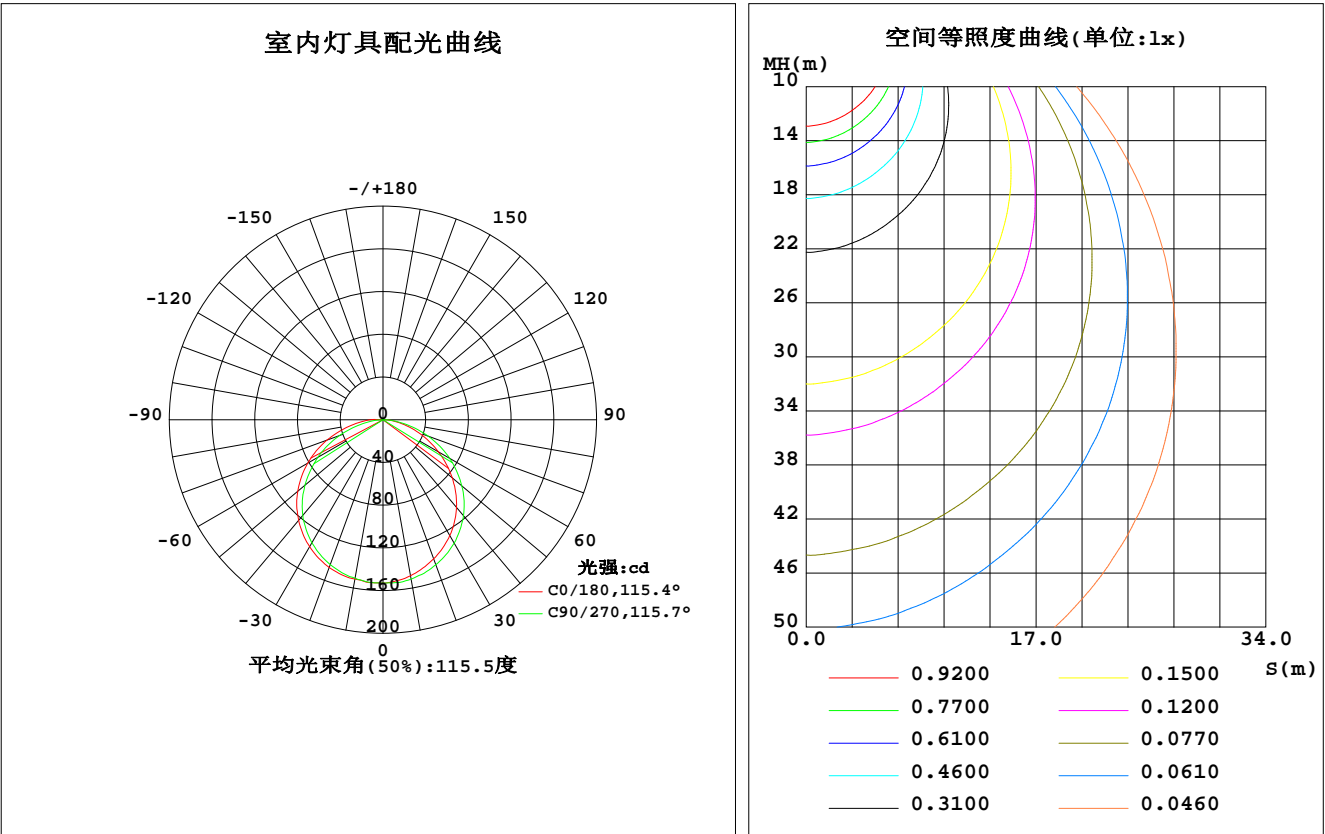


室内灯具光度数据

| | | |
|--|----------|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | |
| 灯具名称: | 灯具类型:LED | 灯具重量:N/A |
| 灯具规格:N/A | 外型尺寸: | 测试编号:N/A |
| 制造厂商: | 发光口面: | 遮光角:N/A |

| 光源数据 | | 光度数据 | | | | 光效: 121.97 lm/W |
|--------------------------------------|---------|----------|--------|-------------------|----------|-----------------|
| BON OB 827 型号 ONOFF 1M IP20 21015106 | | 峰值光强(cd) | 153.2 | S/MH(C0/180) | 1.33 | |
| 标称功率(W) | 3.5 | 灯具效率(%) | 100.0 | S/MH(C90/270) | 1.29 | |
| 额定电源电压(V) | 24 | 总光通量(lm) | 459.04 | η UP,DN(C0-180) | 0.1,49.5 | |
| 额定光通量(lm) | 459.039 | CIE分类 | 直接 | η UP,DN(C180-360) | 0.2,50.2 | |
| 灯具内光源数(只) | 1 | 上射光通比(%) | 0.3 | CIBSE SHR NOM | 1.25 | |
| 实测电源电压(V) | 24 | 下射光通比(%) | 99.7 | CIBSE SHR MAX | 1.35 | |



C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

灯具环带光通量

环带光通量：

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ(°) | Φ环 | Φ总 | %lum, lamp |
|------|-------|-------|--------|-------|--------|-------|--------|-------|---------|--------|-------|------------|
| 10 | 148.4 | 149.8 | 151.5 | 152.9 | 151.5 | 151.7 | 150.7 | 149.1 | 0- 10 | 14.50 | 14.50 | 3.16, 3.16 |
| 20 | 138.6 | 141.0 | 144.5 | 147.0 | 147.2 | 145.8 | 144.3 | 140.6 | 10- 20 | 41.77 | 56.27 | 12.3, 12.3 |
| 30 | 125.1 | 128.6 | 133.3 | 136.1 | 137.3 | 135.0 | 133.1 | 127.8 | 20- 30 | 63.92 | 120.2 | 26.2, 26.2 |
| 40 | 107.1 | 111.2 | 117.3 | 120.7 | 123.0 | 120.6 | 116.9 | 109.4 | 30- 40 | 77.93 | 198.1 | 43.2, 43.2 |
| 50 | 84.72 | 89.34 | 96.39 | 101.6 | 104.2 | 102.0 | 95.45 | 86.65 | 40- 50 | 81.70 | 279.8 | 61, 61 |
| 60 | 59.82 | 63.95 | 72.08 | 78.62 | 81.50 | 77.93 | 70.49 | 62.05 | 50- 60 | 74.55 | 354.4 | 77.2, 77.2 |
| 70 | 35.66 | 37.53 | 45.04 | 52.02 | 55.87 | 51.62 | 43.27 | 36.00 | 60- 70 | 57.33 | 411.7 | 89.7, 89.7 |
| 80 | 14.46 | 14.71 | 18.55 | 26.85 | 29.96 | 25.25 | 16.79 | 14.16 | 70- 80 | 33.73 | 445.4 | 97, 97 |
| 90 | 2.565 | 1.754 | 1.446 | 8.640 | 11.77 | 7.129 | 0.2658 | 2.041 | 80- 90 | 12.30 | 457.7 | 99.7, 99.7 |
| 100 | 0 | 0 | 0 | 0 | 0.0219 | 0 | 0 | 0 | 90-100 | 1.118 | 458.8 | 100, 100 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0.1812 | 459.0 | 100, 100 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0.0014 | 459.0 | 100, 100 |
| 130 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 120-130 | 0 | 459.0 | 100, 100 |
| 140 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130-140 | 0 | 459.0 | 100, 100 |
| 150 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 140-150 | 0.0006 | 459.0 | 100, 100 |
| 160 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 150-160 | 0.0035 | 459.0 | 100, 100 |
| 170 | 0 | 0 | 0.0029 | 0 | 0 | 0 | 0 | 0 | 160-170 | 0.0032 | 459.0 | 100, 100 |
| 180 | 0 | 0 | 0.1787 | 0 | 0 | 0 | 0 | 0 | 170-180 | 0.0014 | 459.0 | 100, 100 |
| 单位:° | 光强:cd | | | | | | | | | 单位:lm | | |

锥面光通量(90度)：239.18 lm

%lum = 52.1%

%lamp = 52.1%

锥面光通量(120度)：354.37 lm

%lum = 77.2%

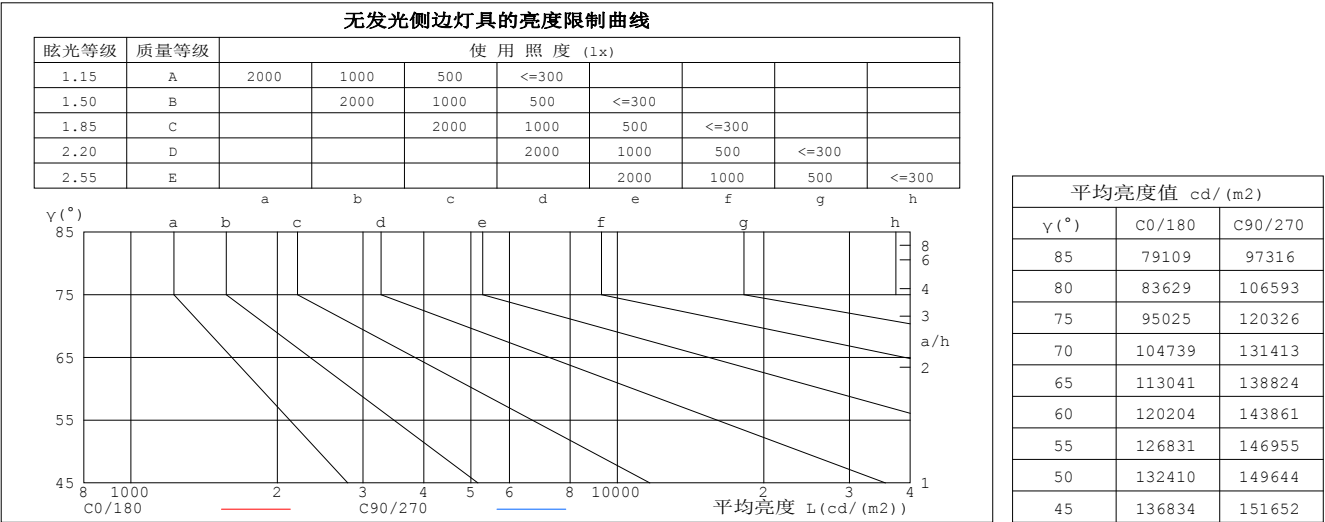
%lamp = 77.2%

C角度范围： 0度 - 360度
C角度间隔： 22.5度
测试速度：快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注：

灯具亮度限制曲线

| | | |
|--|----------|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | |
| 灯具名称: | 灯具类型:LED | 灯具重量:N/A |
| 灯具规格:N/A | 外型尺寸: | 测试编号:N/A |
| 制造厂商: | 发光口面: | 遮光角:N/A |



C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

墙面和天花板利用系数

| | | | | | |
|--|--|--|----------|--|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | | | | |
| 灯具名称: | | | 灯具类型:LED | | 灯具重量:N/A |
| 灯具规格:N/A | | | 外型尺寸: | | 测试编号:N/A |
| 制造厂商: | | | 发光口面: | | 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 | .321 | .183 | .058 | .314 | .179 | .057 | .300 | .172 | .055 | .288 | .166 | .053 | .276 | .160 | .052 | |
| 2.0 | .299 | .164 | .050 | .292 | .161 | .050 | .280 | .156 | .048 | .269 | .151 | .047 | .259 | .147 | .046 | |
| 3.0 | .275 | .146 | .044 | .269 | .144 | .043 | .259 | .140 | .043 | .249 | .136 | .042 | .240 | .133 | .041 | |
| 4.0 | .253 | .131 | .039 | .248 | .130 | .038 | .239 | .126 | .038 | .230 | .123 | .037 | .222 | .120 | .037 | |
| 5.0 | .233 | .119 | .034 | .229 | .117 | .034 | .221 | .115 | .034 | .213 | .112 | .033 | .206 | .110 | .033 | |
| 6.0 | .216 | .108 | .031 | .212 | .107 | .031 | .205 | .105 | .031 | .198 | .103 | .030 | .191 | .101 | .030 | |
| 7.0 | .201 | .099 | .028 | .197 | .098 | .028 | .191 | .096 | .028 | .184 | .095 | .028 | .179 | .093 | .027 | |
| 8.0 | .187 | .092 | .026 | .184 | .091 | .026 | .178 | .089 | .025 | .173 | .087 | .025 | .167 | .086 | .025 | |
| 9.0 | .175 | .085 | .024 | .173 | .084 | .024 | .167 | .083 | .023 | .162 | .081 | .023 | .157 | .080 | .023 | |
| 10.0 | .165 | .079 | .022 | .162 | .078 | .022 | .157 | .077 | .022 | .153 | .076 | .022 | .149 | .075 | .021 | |

| | | | | | | | | | | | | | | | | |
|------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---|
| 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 | .193 | .193 | .193 | .165 | .165 | .165 | .112 | .112 | .112 | .065 | .065 | .065 | .021 | .021 | .021 | |
| 1.0 | .183 | .158 | .136 | .157 | .136 | .117 | .107 | .093 | .081 | .062 | .054 | .047 | .020 | .017 | .015 | |
| 2.0 | .175 | .134 | .099 | .150 | .115 | .086 | .103 | .080 | .060 | .059 | .046 | .035 | .019 | .015 | .011 | |
| 3.0 | .168 | .117 | .076 | .144 | .101 | .066 | .099 | .070 | .046 | .057 | .041 | .027 | .018 | .013 | .009 | |
| 4.0 | .160 | .103 | .060 | .137 | .089 | .052 | .094 | .062 | .037 | .055 | .036 | .022 | .018 | .012 | .007 | |
| 5.0 | .152 | .093 | .049 | .131 | .080 | .043 | .090 | .056 | .030 | .052 | .033 | .018 | .017 | .011 | .006 | |
| 6.0 | .145 | .085 | .041 | .125 | .073 | .036 | .086 | .051 | .025 | .050 | .030 | .015 | .016 | .010 | .005 | |
| 7.0 | .138 | .078 | .035 | .119 | .067 | .031 | .082 | .047 | .022 | .048 | .028 | .013 | .015 | .009 | .004 | |
| 8.0 | .132 | .072 | .031 | .114 | .062 | .027 | .079 | .044 | .019 | .046 | .026 | .011 | .015 | .008 | .004 | |
| 9.0 | .126 | .067 | .027 | .108 | .058 | .024 | .075 | .041 | .017 | .044 | .024 | .010 | .014 | .008 | .003 | |
| 10.0 | .120 | .063 | .025 | .103 | .054 | .021 | .072 | .038 | .015 | .042 | .023 | .009 | .014 | .007 | .003 | |

C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

UGR(Unified Glare Rating)数据表

| | | | | | | | | | | |
|--|----------------------|------|----------|------|------|--------------------|------|------|------|------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | | | | | | | | | |
| 灯具名称: | | | 灯具类型:LED | | | 灯具重量:N/A | | | | |
| 灯具规格:N/A | | | 外型尺寸: | | | 测试编号:N/A | | | | |
| 制造厂商: | | | 发光口面: | | | 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 | 29.3 | 30.9 | 29.6 | 31.1 | 31.3 | 30.0 | 31.5 | 30.3 | 31.8 | 32.0 |
| 3H | 30.6 | 32.1 | 30.9 | 32.3 | 32.6 | 31.5 | 33.0 | 31.8 | 33.2 | 33.4 |
| 4H | 31.2 | 32.5 | 31.5 | 32.8 | 33.0 | 32.1 | 33.5 | 32.5 | 33.7 | 34.0 |
| 6H | 31.5 | 32.8 | 31.8 | 33.1 | 33.4 | 32.5 | 33.8 | 32.9 | 34.1 | 34.4 |
| 8H | 31.6 | 32.9 | 32.0 | 33.1 | 33.4 | 32.7 | 33.9 | 33.0 | 34.2 | 34.5 |
| 12H | 31.7 | 32.9 | 32.1 | 33.2 | 33.5 | 32.8 | 34.0 | 33.1 | 34.3 | 34.6 |
| 4H 2H | 29.9 | 31.3 | 30.3 | 31.6 | 31.8 | 30.5 | 31.8 | 30.8 | 32.1 | 32.4 |
| 3H | 31.4 | 32.6 | 31.8 | 32.9 | 33.2 | 32.2 | 33.4 | 32.5 | 33.7 | 34.0 |
| 4H | 32.1 | 33.1 | 32.4 | 33.5 | 33.8 | 32.9 | 34.0 | 33.3 | 34.3 | 34.6 |
| 6H | 32.5 | 33.5 | 32.9 | 33.8 | 34.2 | 33.4 | 34.4 | 33.8 | 34.7 | 35.1 |
| 8H | 32.7 | 33.6 | 33.1 | 34.0 | 34.3 | 33.6 | 34.5 | 34.0 | 34.9 | 35.3 |
| 12H | 32.8 | 33.6 | 33.2 | 34.0 | 34.4 | 33.7 | 34.6 | 34.2 | 35.0 | 35.4 |
| 8H 4H | 32.3 | 33.2 | 32.7 | 33.6 | 34.0 | 33.0 | 33.9 | 33.5 | 34.3 | 34.7 |
| 6H | 32.9 | 33.7 | 33.4 | 34.1 | 34.5 | 33.7 | 34.5 | 34.1 | 34.9 | 35.3 |
| 8H | 33.1 | 33.8 | 33.6 | 34.2 | 34.7 | 34.0 | 34.6 | 34.4 | 35.1 | 35.5 |
| 12H | 33.3 | 33.9 | 33.8 | 34.4 | 34.8 | 34.2 | 34.7 | 34.6 | 35.2 | 35.7 |
| 12H 4H | 32.3 | 33.1 | 32.7 | 33.5 | 34.0 | 33.0 | 33.9 | 33.5 | 34.3 | 34.7 |
| 6H | 33.0 | 33.6 | 33.4 | 34.1 | 34.5 | 33.7 | 34.4 | 34.2 | 34.8 | 35.3 |
| 8H | 33.2 | 33.8 | 33.7 | 34.3 | 34.7 | 34.0 | 34.6 | 34.5 | 35.0 | 35.5 |
| 不同间隔布灯时,观察者位置引起的UGR变化: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.4 | | | | | + 0.2 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.3 / - 0.4 | | | | |

依据CIE Pub.117计算, 459.0lm光源光通,表格已经进行修正(8log(F/F0) = -2.7)。

C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

UF利用系数表

| | | |
|--|----------|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | |
| 灯具名称: | 灯具类型:LED | 灯具重量:N/A |
| 灯具规格:N/A | 外型尺寸: | 测试编号:N/A |
| 制造厂商: | 发光口面: | 遮光角:N/A |

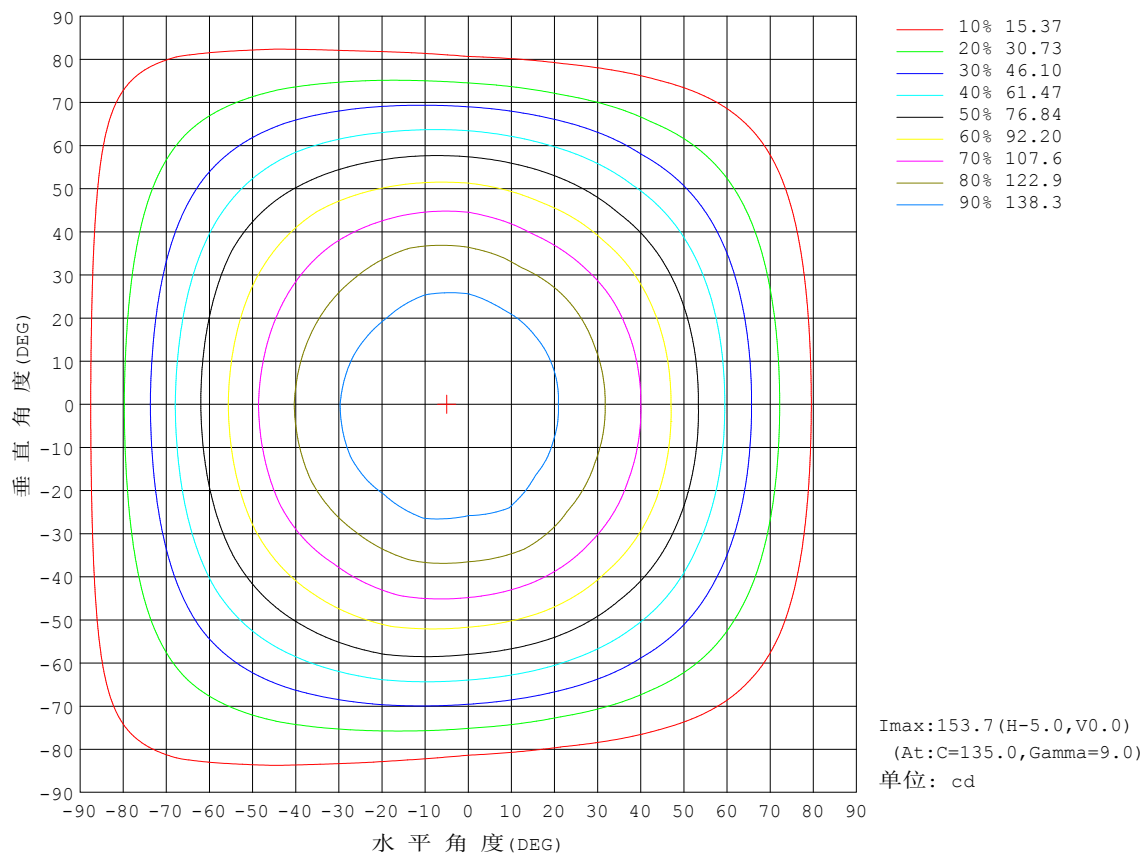
| 反 射 比 / REFLECTANCE | | | | | | | | | | |
|----------------------------|---|-----|-----|-----|-----|-----|---------------------|-----|-----|---------|
| 天花板 | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| 墙壁 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| 工作面 | 0.2 | 0.2 | 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) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 57 | 45 | 38 | 56 | 45 | 38 | 55 | 44 | 38 | 31 |
| 0.80 | 67 | 55 | 47 | 66 | 54 | 47 | 64 | 54 | 47 | 40 |
| 1.00 | 75 | 64 | 56 | 74 | 63 | 56 | 72 | 65 | 55 | 48 |
| 1.25 | 82 | 71 | 64 | 81 | 71 | 64 | 78 | 69 | 63 | 55 |
| 1.50 | 87 | 77 | 70 | 86 | 76 | 69 | 82 | 74 | 68 | 61 |
| 2.00 | 94 | 85 | 79 | 92 | 84 | 78 | 89 | 82 | 76 | 68 |
| 2.50 | 98 | 90 | 84 | 96 | 89 | 83 | 92 | 86 | 81 | 73 |
| 3.00 | 102 | 94 | 89 | 99 | 93 | 88 | 95 | 90 | 85 | 77 |
| 4.00 | 106 | 100 | 95 | 103 | 98 | 93 | 99 | 94 | 91 | 82 |
| 5.00 | 108 | 103 | 99 | 106 | 101 | 97 | 101 | 97 | 94 | 85 |
| 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 SHRNOM = 1.25 | | | |

C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

灯 具 等 光 强 曲 线

| | | |
|--|----------|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | |
| 灯具名称: | 灯具类型:LED | 灯具重量:N/A |
| 灯具规格:N/A | 外型尺寸: | 测试编号:N/A |
| 制造厂商: | 发光口面: | 遮光角:N/A |

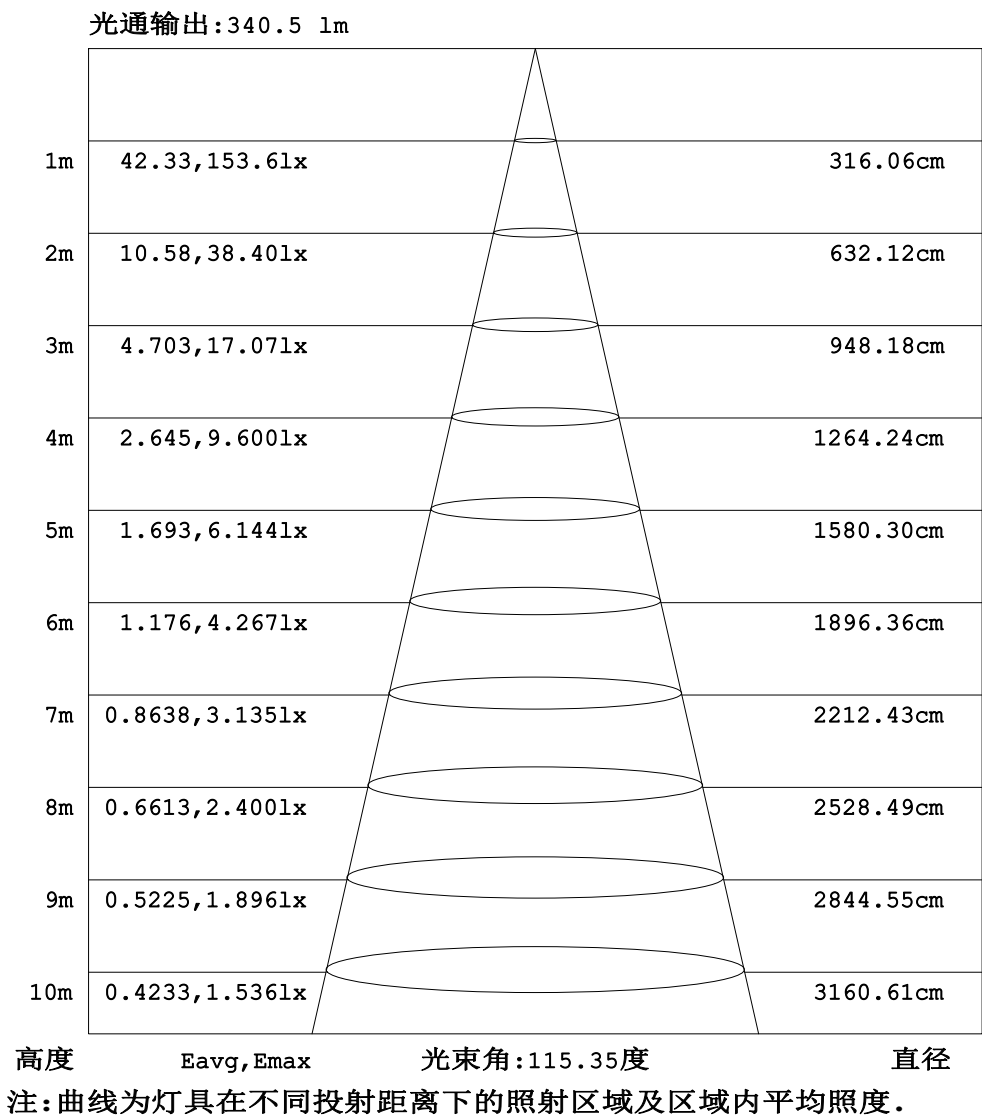


C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

灯 具 有 效 平 均 照 度 图

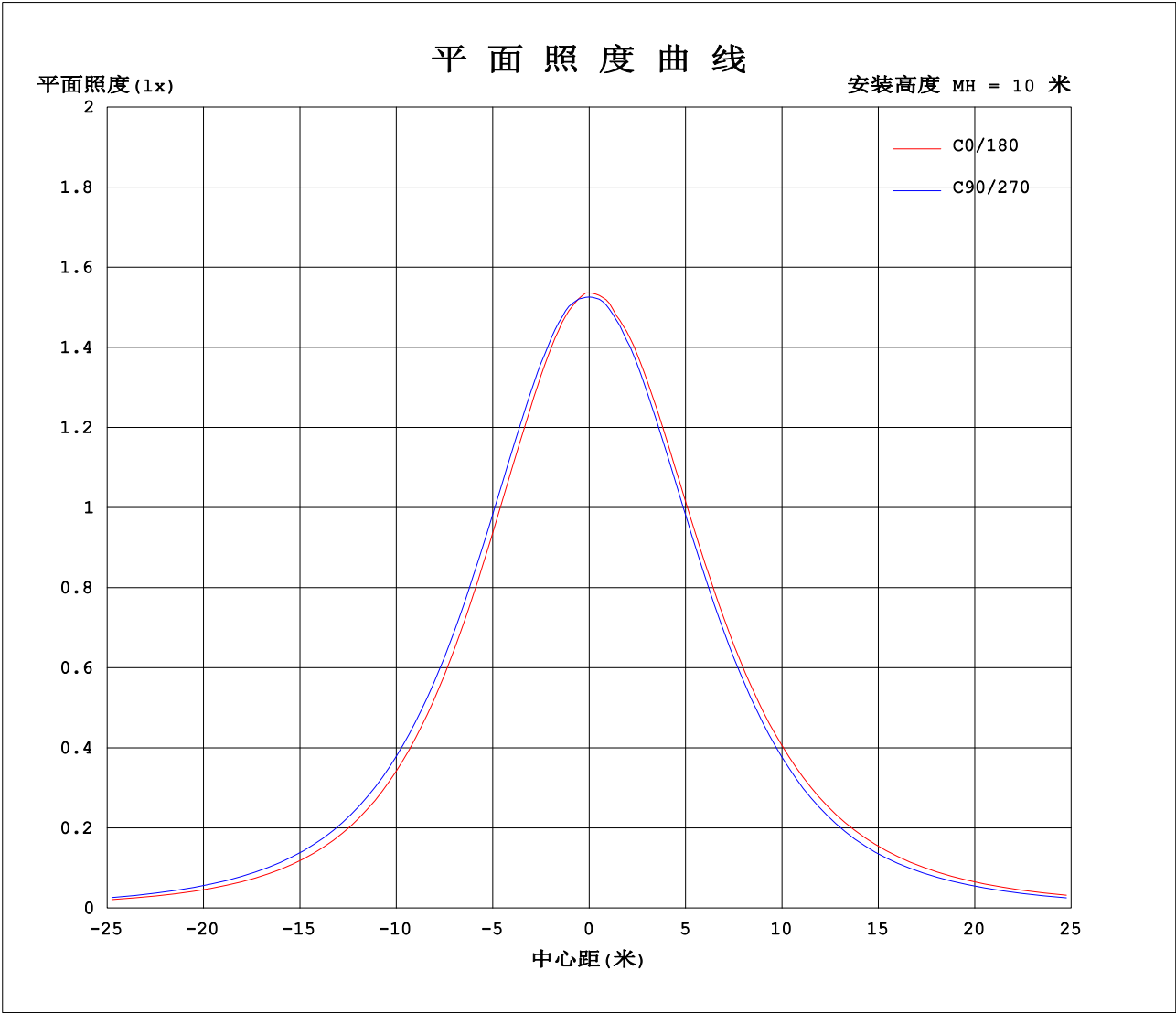
| | | |
|--|----------|----------|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | |
| 灯具名称: | 灯具类型:LED | 灯具重量:N/A |
| 灯具规格:N/A | 外型尺寸: | 测试编号:N/A |
| 制造厂商: | 发光口面: | 遮光角:N/A |



C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度:24.9℃
测试人员:Zero huang
测试日期:2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度:60%
测试距离:26.000米 [K=1.5110]
备注:

平面照度曲线



C角度范围: 0度 - 360度
C角度间隔: 22.5度
测试速度: 快速
环境温度: 24.9℃
测试人员: Zero huang
测试日期: 2023-12-19

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-R5000_V2系统 V2.0.366
环境湿度: 60%
测试距离: 26.000米 [K=1.5110]
备注:

光 强 分 布 数 据 表 格

| | | | | | | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|----------|--|--|--|--|--|----------|--|--|
| 实测参数: U:24.008V I:0.1568A P:3.7634W PF:1.0000 Freq:0Hz 实检光通:459.039x1 lm | | | | | | | | | | | | | | | | | |
| 灯具名称: | | | | | | | | | 灯具类型:LED | | | | | | 灯具重量:N/A | | |
| 灯具规格:N/A | | | | | | | | | 外型尺寸: | | | | | | 测试编号:N/A | | |
| 制造厂商: | | | | | | | | | 发光口面: | | | | | | 遮光角:N/A | | |

| | | | | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|--|
| 表--1 | | | | | | | | | | | | | | | | | |
| 单位: cd | | | | | | | | | | | | | | | | | |
| C(DEG) γ (DEG) | 0 | 22.5 | 45 | 67.5 | 90 | 112.5 | 135 | 157.5 | 180 | 202.5 | 225 | 247.5 | 270 | 292.5 | 315 | 337.5 | |
| 0 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | |
| 5 | 151 | 152 | 152 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 153 | 152 | 153 | 152 | 152 | 151 | |
| 10 | 148 | 149 | 150 | 151 | 152 | 153 | 153 | 153 | 152 | 152 | 152 | 151 | 151 | 149 | 149 | 149 | |
| 15 | 144 | 145 | 146 | 148 | 149 | 151 | 151 | 151 | 150 | 150 | 150 | 149 | 148 | 146 | 146 | 145 | |
| 20 | 139 | 140 | 141 | 145 | 144 | 147 | 147 | 148 | 147 | 146 | 146 | 145 | 144 | 142 | 141 | 140 | |
| 25 | 133 | 134 | 135 | 139 | 139 | 142 | 142 | 143 | 143 | 142 | 141 | 141 | 139 | 136 | 135 | 133 | |
| 30 | 125 | 126 | 129 | 133 | 133 | 136 | 136 | 137 | 137 | 137 | 135 | 136 | 133 | 129 | 128 | 126 | |
| 35 | 117 | 118 | 120 | 125 | 126 | 128 | 127 | 131 | 131 | 130 | 128 | 129 | 126 | 121 | 119 | 117 | |
| 40 | 107 | 108 | 111 | 115 | 117 | 120 | 121 | 123 | 123 | 122 | 121 | 120 | 117 | 111 | 109 | 108 | |
| 45 | 96.3 | 98.5 | 101 | 105 | 107 | 111 | 111 | 114 | 114 | 113 | 112 | 110 | 107 | 101 | 98.3 | 97.0 | |
| 50 | 84.7 | 87.4 | 89.3 | 93.5 | 96.4 | 100 | 102 | 104 | 104 | 103 | 102 | 98.5 | 95.5 | 90.2 | 86.6 | 85.6 | |
| 55 | 72.4 | 74.2 | 76.7 | 81.3 | 84.5 | 89.4 | 90.6 | 92.9 | 93.2 | 92.6 | 90.8 | 87.0 | 83.0 | 78.5 | 74.5 | 73.3 | |
| 60 | 59.8 | 60.9 | 64.0 | 68.4 | 72.1 | 76.9 | 78.6 | 80.7 | 81.5 | 82.3 | 77.9 | 74.0 | 70.5 | 66.2 | 62.1 | 60.8 | |
| 65 | 47.6 | 48.2 | 50.5 | 55.0 | 58.8 | 63.1 | 65.5 | 68.1 | 68.9 | 68.2 | 65.3 | 61.0 | 57.4 | 53.2 | 48.9 | 48.2 | |
| 70 | 35.7 | 35.9 | 37.5 | 41.0 | 45.0 | 49.1 | 52.0 | 54.6 | 55.9 | 54.1 | 51.6 | 47.5 | 43.3 | 39.4 | 36.0 | 35.8 | |
| 75 | 24.5 | 24.6 | 25.4 | 27.8 | 31.2 | 35.4 | 39.0 | 41.3 | 42.4 | 40.8 | 38.1 | 33.8 | 29.4 | 26.1 | 24.3 | 24.5 | |
| 80 | 14.5 | 14.4 | 14.7 | 15.8 | 18.5 | 23.0 | 26.9 | 29.2 | 30.0 | 28.2 | 25.2 | 21.0 | 16.8 | 14.9 | 14.2 | 14.4 | |
| 85 | 6.86 | 6.48 | 6.47 | 6.82 | 8.50 | 12.7 | 16.5 | 18.8 | 19.6 | 17.7 | 14.5 | 10.3 | 6.85 | 6.72 | 6.68 | 6.69 | |
| 90 | 2.56 | 2.17 | 1.75 | 1.77 | 1.45 | 5.26 | 8.64 | 10.9 | 11.8 | 10.1 | 7.13 | 3.40 | 0.27 | 1.82 | 2.04 | 2.15 | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.22 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.47 | 1.28 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.00 | |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | |
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | |
| 170 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | |
| 175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | |
| 180 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.18 | 0.00 | 0.00 | |

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