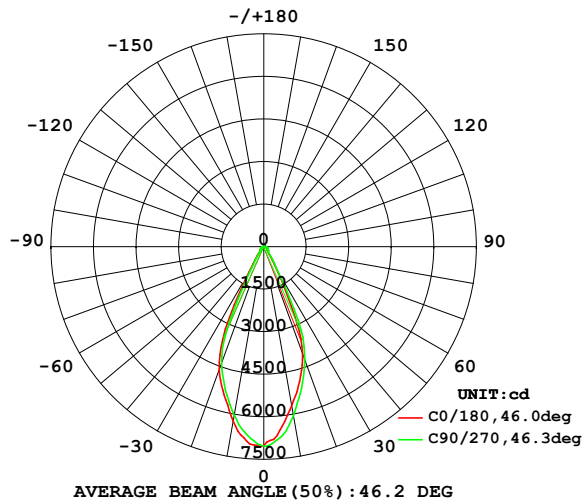


LUMINAIRE PHOTOMETRIC TEST REPORT

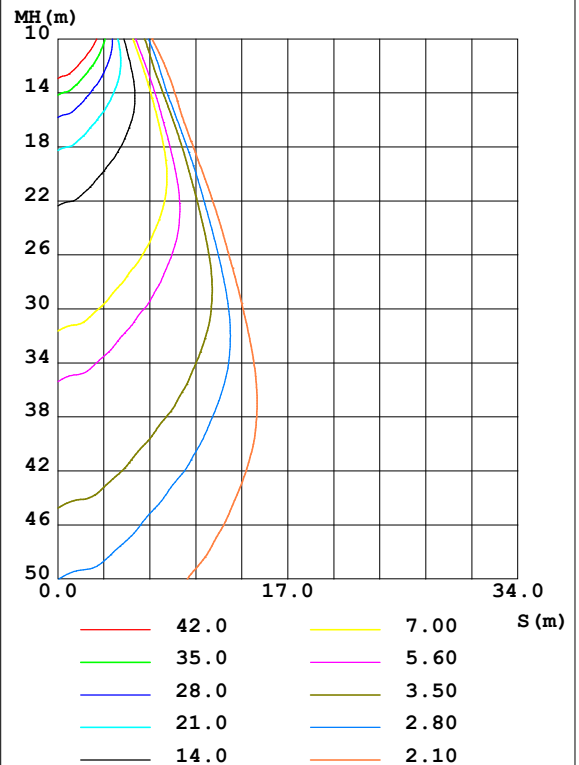
| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 68.35 lm/W | | | |
|------------------|---------|----------------------------------|--------|-------------------|----------|
| MODEL | | I _{max} (cd) | 7075 | S/MH (C0/180) | 0.71 |
| NOMINAL POWER(W) | 60 | LOR(%) | 100.0 | S/MH (C90/270) | 0.68 |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX(lm) | 4007.7 | η UP,DN(C0-180) | 0.1,50.5 |
| NOMINAL FLUX(lm) | 4007.71 | CIE CLASS | DIRECT | η UP,DN(C180-360) | 0.1,49.4 |
| LAMPS INSIDE | 1 | η up (%) | 0.1 | CIBSE SHR NOM | 0.50 |
| TEST VOLTAGE (V) | 120 | η down (%) | 99.9 | CIBSE SHR MAX | 0.70 |

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum |
|----------|-----------------------|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------|
| 10 | 5696 | 5786 | 6042 | 6227 | 6240 | 6226 | 6038 | 5785 | 0- 10 | 617.2 | 617.2 | 15.4 |
| 20 | 4012 | 4058 | 4223 | 4488 | 4588 | 4513 | 4367 | 4170 | 10- 20 | 1441 | 2058 | 51.4 |
| 30 | 843.6 | 951.4 | 986.9 | 1028 | 1039 | 912.5 | 832.9 | 802.0 | 20- 30 | 1197 | 3255 | 81.2 |
| 40 | 220.2 | 233.3 | 228.8 | 216.6 | 200.6 | 190.7 | 194.0 | 205.8 | 30- 40 | 283.6 | 3539 | 88.3 |
| 50 | 170.3 | 177.2 | 174.9 | 164.6 | 154.8 | 150.6 | 153.5 | 161.4 | 40- 50 | 141.8 | 3680 | 91.8 |
| 60 | 131.6 | 138.5 | 137.3 | 128.8 | 119.6 | 114.6 | 116.7 | 123.6 | 50- 60 | 130.1 | 3810 | 95.1 |
| 70 | 89.62 | 94.95 | 94.10 | 87.66 | 80.06 | 75.47 | 77.04 | 82.75 | 60- 70 | 105.0 | 3915 | 97.7 |
| 80 | 44.63 | 48.71 | 47.94 | 43.63 | 38.13 | 34.38 | 35.09 | 39.15 | 70- 80 | 66.98 | 3982 | 99.4 |
| 90 | 0.0257 | 0.8224 | 0.9456 | 0.0380 | 0 | 0 | 0 | 0 | 80- 90 | 20.96 | 4003 | 99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0.0124 | 4003 | 99.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 4003 | 99.9 |
| 120 | 0.1018 | 0.1152 | 0.0822 | 0.0831 | 0.1536 | 0.1339 | 0.1983 | 0.1782 | 110-120 | 0.0261 | 4003 | 99.9 |
| 130 | 0.6309 | 0.6128 | 0.5418 | 0.5430 | 0.6579 | 0.6570 | 0.7472 | 0.7393 | 120-130 | 0.3235 | 4004 | 99.9 |
| 140 | 1.372 | 1.353 | 1.269 | 1.233 | 1.379 | 1.415 | 1.500 | 1.499 | 130-140 | 0.7633 | 4005 | 99.9 |
| 150 | 2.080 | 2.081 | 2.029 | 2.004 | 2.170 | 2.189 | 2.279 | 2.291 | 140-150 | 1.106 | 4006 | 99.9 |
| 160 | 2.508 | 2.470 | 2.495 | 2.451 | 2.668 | 2.636 | 2.713 | 2.706 | 150-160 | 1.103 | 4007 | 100 |
| 170 | 2.470 | 2.470 | 2.515 | 2.495 | 2.591 | 2.598 | 2.604 | 2.585 | 160-170 | 0.7328 | 4007 | 100 |
| 180 | 2.566 | 2.610 | 2.578 | 2.591 | 2.578 | 2.604 | 2.585 | 2.591 | 170-180 | 0.2434 | 4008 | 100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

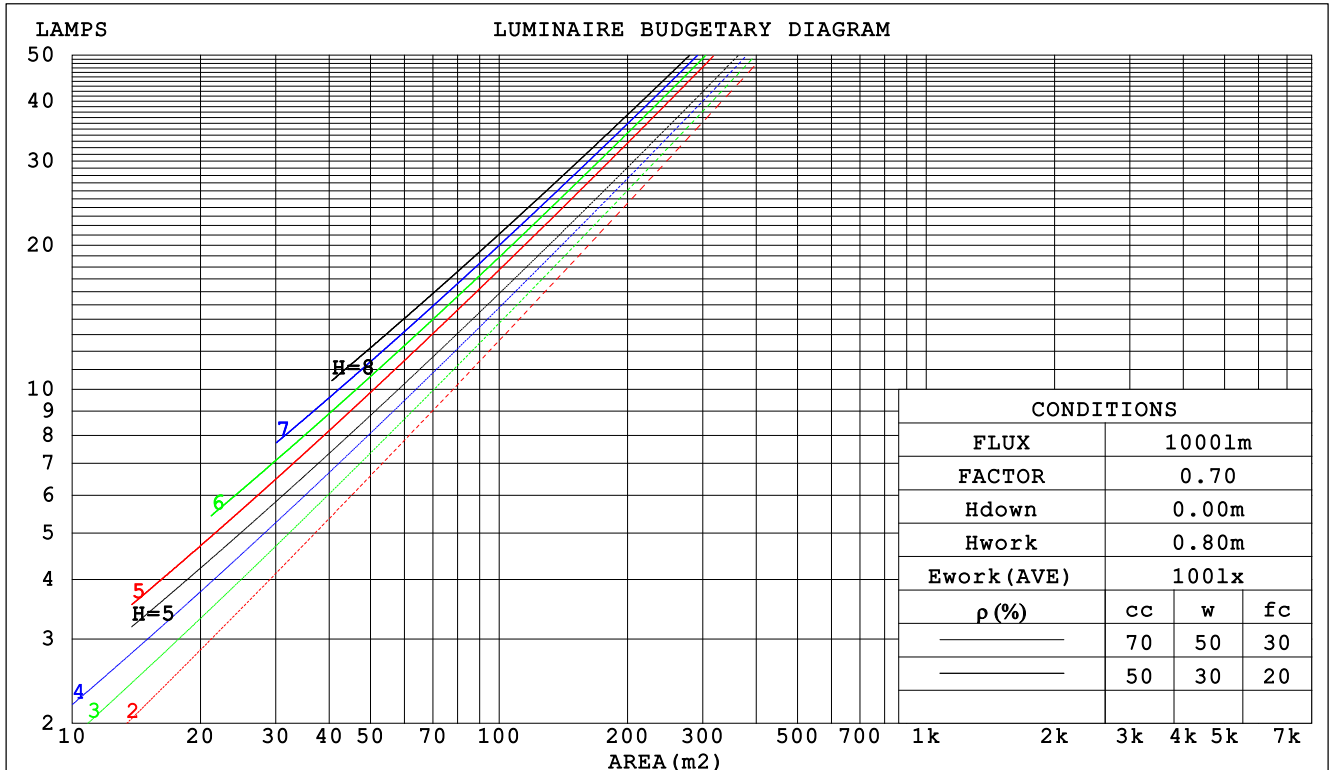
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|-------------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|-----|
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 | .00 |
| 1.0 | 1.10 | 1.08 | 1.05 | 1.08 | 1.06 | 1.04 | 1.04 | 1.02 | 1.00 | 1.00 | .99 | .97 | .97 | .96 | .95 | .93 |
| 2.0 | 1.03 | .99 | .95 | 1.01 | .97 | .94 | .98 | .95 | .92 | .95 | .92 | .90 | .92 | .90 | .88 | .86 |
| 3.0 | .96 | .91 | .87 | .95 | .90 | .86 | .92 | .88 | .85 | .90 | .86 | .84 | .87 | .85 | .82 | .81 |
| 4.0 | .90 | .85 | .81 | .89 | .84 | .80 | .87 | .83 | .79 | .85 | .81 | .78 | .83 | .80 | .77 | .76 |
| 5.0 | .85 | .80 | .75 | .84 | .79 | .75 | .83 | .78 | .74 | .81 | .77 | .74 | .79 | .76 | .73 | .72 |
| 6.0 | .81 | .75 | .71 | .80 | .75 | .71 | .78 | .74 | .70 | .77 | .73 | .70 | .76 | .72 | .69 | .68 |
| 7.0 | .77 | .71 | .67 | .76 | .71 | .67 | .75 | .70 | .66 | .74 | .69 | .66 | .72 | .69 | .66 | .64 |
| 8.0 | .73 | .67 | .64 | .72 | .67 | .63 | .71 | .67 | .63 | .70 | .66 | .63 | .69 | .66 | .63 | .61 |
| 9.0 | .70 | .64 | .60 | .69 | .64 | .60 | .68 | .63 | .60 | .67 | .63 | .60 | .67 | .63 | .60 | .58 |
| 10.0 | .67 | .61 | .58 | .66 | .61 | .58 | .65 | .61 | .57 | .65 | .60 | .57 | .64 | .60 | .57 | .56 |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

WEC AND CCEC

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 | |
|------|-----------------------|------|------|------|------|------|----------------------------------|------|------|------|------|------|------|------|------|---|--|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 | |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 | |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients (WEC) | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | |
| 1.0 | .186 | .106 | .034 | .180 | .102 | .033 | .167 | .096 | .031 | .155 | .090 | .029 | .144 | .084 | .027 | | |
| 2.0 | .174 | .096 | .029 | .169 | .093 | .029 | .158 | .088 | .027 | .148 | .083 | .026 | .139 | .079 | .025 | | |
| 3.0 | .163 | .087 | .026 | .158 | .085 | .025 | .149 | .081 | .025 | .140 | .077 | .024 | .133 | .073 | .023 | | |
| 4.0 | .153 | .079 | .023 | .148 | .078 | .023 | .141 | .075 | .022 | .133 | .072 | .022 | .126 | .069 | .021 | | |
| 5.0 | .143 | .073 | .021 | .140 | .072 | .021 | .133 | .069 | .020 | .127 | .067 | .020 | .121 | .065 | .019 | | |
| 6.0 | .135 | .068 | .019 | .132 | .067 | .019 | .126 | .065 | .019 | .121 | .063 | .018 | .116 | .061 | .018 | | |
| 7.0 | .128 | .063 | .018 | .126 | .063 | .018 | .120 | .061 | .018 | .115 | .059 | .017 | .111 | .058 | .017 | | |
| 8.0 | .122 | .060 | .017 | .119 | .059 | .017 | .115 | .057 | .016 | .110 | .056 | .016 | .106 | .055 | .016 | | |
| 9.0 | .116 | .056 | .016 | .114 | .056 | .016 | .110 | .054 | .015 | .106 | .053 | .015 | .102 | .052 | .015 | | |
| 10.0 | .111 | .053 | .015 | .109 | .053 | .015 | .105 | .052 | .015 | .102 | .051 | .014 | .098 | .050 | .014 | | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .191 | .191 | .191 | .163 | .163 | .163 | .112 | .112 | .112 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .173 | .158 | .145 | .148 | .136 | .125 | .101 | .093 | .086 | .058 | .054 | .050 | .019 | .017 | .016 | |
| 2.0 | .157 | .133 | .113 | .135 | .115 | .098 | .092 | .079 | .068 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .145 | .114 | .090 | .124 | .099 | .078 | .085 | .069 | .055 | .049 | .040 | .032 | .016 | .013 | .011 | |
| 4.0 | .134 | .100 | .074 | .115 | .086 | .064 | .079 | .060 | .045 | .046 | .035 | .027 | .015 | .011 | .009 | |
| 5.0 | .125 | .088 | .061 | .107 | .076 | .053 | .074 | .053 | .037 | .043 | .031 | .022 | .014 | .010 | .007 | |
| 6.0 | .117 | .079 | .051 | .100 | .068 | .045 | .069 | .048 | .032 | .040 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .110 | .071 | .044 | .094 | .061 | .038 | .065 | .043 | .027 | .038 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .104 | .064 | .038 | .089 | .056 | .033 | .062 | .039 | .023 | .036 | .023 | .014 | .012 | .008 | .005 | |
| 9.0 | .098 | .059 | .033 | .085 | .051 | .029 | .059 | .036 | .020 | .034 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .093 | .055 | .029 | .080 | .047 | .025 | .056 | .033 | .018 | .033 | .020 | .011 | .011 | .006 | .004 | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------|----------------|------|-------------------|------|------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | | | | | | | | | |
| NAME: ADL 60W ADR4WH 40° | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.:ADL 60W ADR4WH 40° | | | | | DIM.: | | | SERIAL No.:01 | | |
| MFR.: GREEN CREATIVE | | | | | SUR.: | | | PROTECTION ANGLE: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 7.8 | 8.8 | 8.1 | 8.9 | 9.1 | 8.1 | 9.0 | 8.3 | 9.2 | 9.3 |
| 3H | 9.5 | 10.3 | 9.8 | 10.5 | 10.7 | 9.8 | 10.6 | 10.0 | 10.8 | 11.0 |
| 4H | 10.2 | 11.1 | 10.5 | 11.3 | 11.5 | 10.5 | 11.3 | 10.8 | 11.5 | 11.8 |
| 6H | 10.9 | 11.6 | 11.2 | 11.9 | 12.1 | 11.2 | 11.9 | 11.5 | 12.2 | 12.4 |
| 8H | 11.1 | 11.8 | 11.4 | 12.1 | 12.3 | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 |
| 12H | 11.2 | 12.0 | 11.6 | 12.2 | 12.5 | 11.6 | 12.3 | 11.9 | 12.6 | 12.8 |
| 4H 2H | 8.6 | 9.4 | 8.8 | 9.6 | 9.8 | 8.8 | 9.6 | 9.0 | 9.8 | 10.0 |
| 3H | 10.4 | 11.1 | 10.7 | 11.4 | 11.7 | 10.6 | 11.3 | 11.0 | 11.6 | 11.9 |
| 4H | 11.3 | 12.0 | 11.7 | 12.3 | 12.6 | 11.5 | 12.2 | 11.9 | 12.5 | 12.8 |
| 6H | 12.1 | 12.6 | 12.4 | 13.0 | 13.3 | 12.3 | 12.9 | 12.7 | 13.2 | 13.6 |
| 8H | 12.3 | 12.9 | 12.7 | 13.2 | 13.6 | 12.6 | 13.2 | 13.0 | 13.5 | 13.9 |
| 12H | 12.6 | 13.0 | 13.0 | 13.4 | 13.8 | 12.9 | 13.4 | 13.3 | 13.7 | 14.1 |
| 8H 4H | 11.7 | 12.2 | 12.1 | 12.6 | 12.9 | 11.9 | 12.4 | 12.3 | 12.8 | 13.1 |
| 6H | 12.6 | 13.0 | 13.0 | 13.4 | 13.9 | 12.8 | 13.3 | 13.3 | 13.7 | 14.1 |
| 8H | 13.0 | 13.4 | 13.4 | 13.8 | 14.2 | 13.2 | 13.6 | 13.7 | 14.1 | 14.5 |
| 12H | 13.3 | 13.6 | 13.8 | 14.1 | 14.6 | 13.6 | 13.9 | 14.1 | 14.4 | 14.8 |
| 12H 4H | 11.7 | 12.2 | 12.1 | 12.6 | 13.0 | 11.9 | 12.4 | 12.3 | 12.8 | 13.2 |
| 6H | 12.7 | 13.1 | 13.1 | 13.5 | 14.0 | 12.9 | 13.3 | 13.4 | 13.7 | 14.2 |
| 8H | 13.1 | 13.5 | 13.6 | 13.9 | 14.4 | 13.4 | 13.7 | 13.9 | 14.2 | 14.6 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.2 | | | | | + 0.2 / - 0.2 | | | | |
| 2.0H | + 0.1 / - 0.4 | | | | | + 0.1 / - 0.3 | | | | |

CIE Pub.117 Corrected 4008 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|-----|---------------|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 84 | 78 | 73 | 84 | 77 | 73 | 83 | 77 | 73 | 69 |
| 0.80 | 92 | 85 | 81 | 91 | 85 | 81 | 90 | 84 | 81 | 77 |
| 1.00 | 97 | 90 | 86 | 96 | 90 | 86 | 94 | 90 | 85 | 81 |
| 1.25 | 101 | 95 | 91 | 100 | 94 | 91 | 98 | 93 | 90 | 85 |
| 1.50 | 104 | 98 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 88 |
| 2.00 | 107 | 102 | 98 | 105 | 101 | 98 | 102 | 99 | 96 | 90 |
| 2.50 | 109 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 92 |
| 3.00 | 110 | 107 | 103 | 109 | 105 | 102 | 105 | 102 | 100 | 93 |
| 4.00 | 113 | 110 | 107 | 111 | 108 | 106 | 107 | 105 | 103 | 96 |
| 5.00 | 114 | 112 | 109 | 112 | 110 | 108 | 108 | 106 | 105 | 97 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHRNOM = 1.25 | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

Conical surface Flux(90deg):

3611.1 lm

%lum = 90.1%

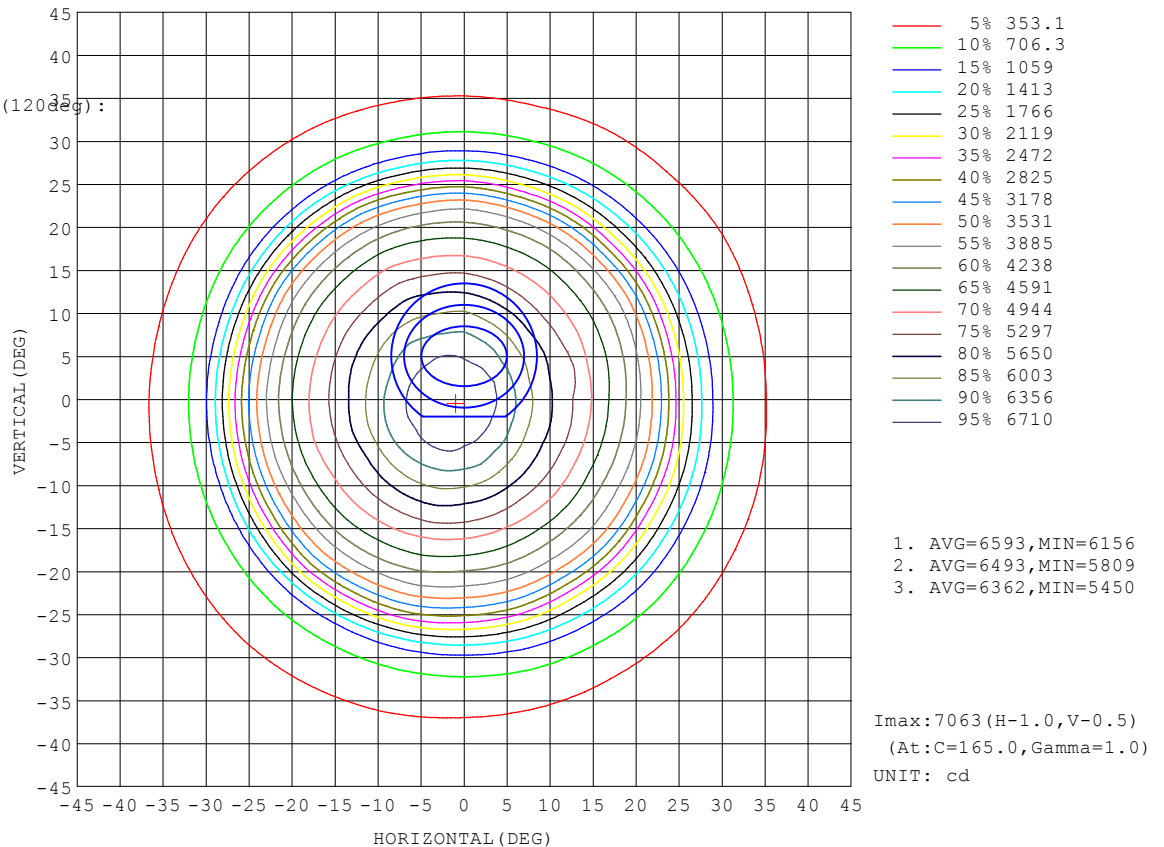
%lamp = 90.1%

Conical surface Flux(120deg):

3810.5 lm

%lum = 95.1%

%lamp = 95.1%

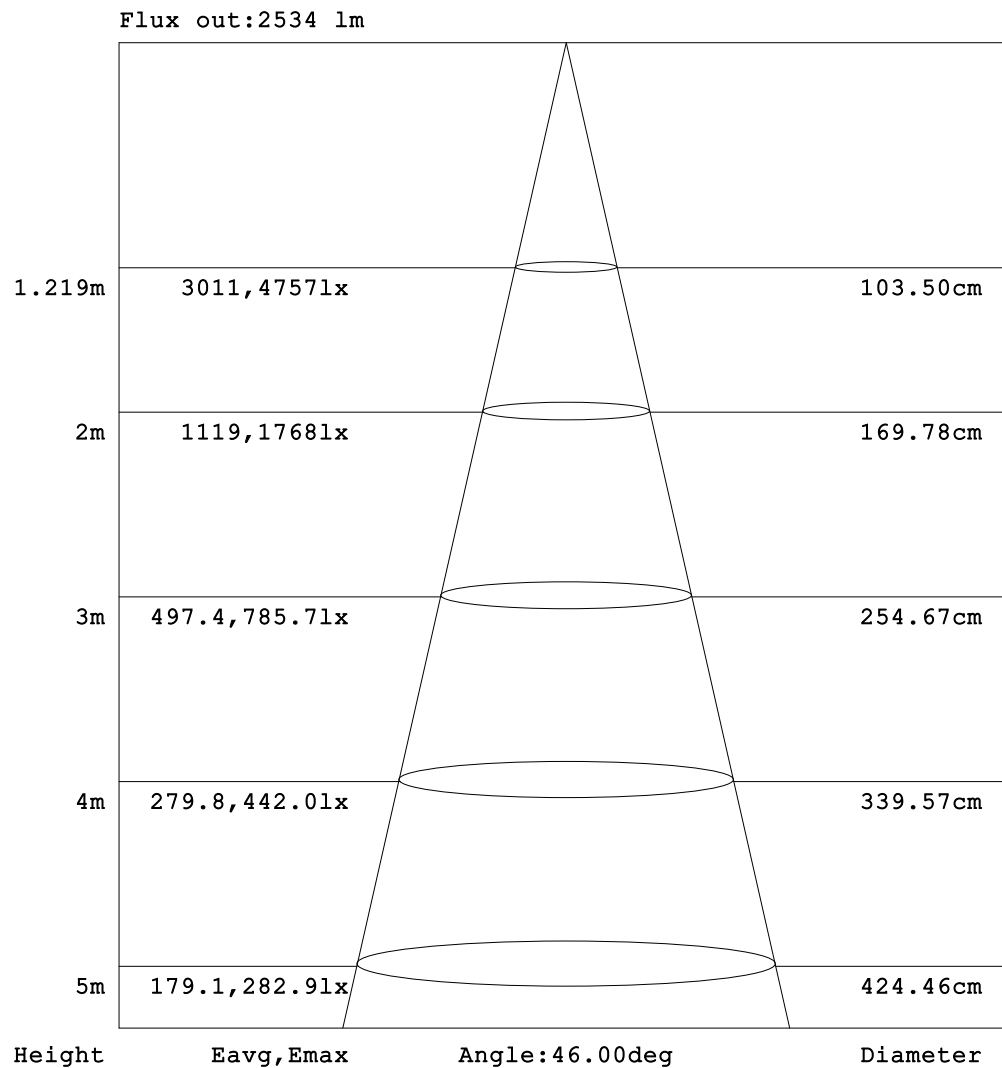


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |



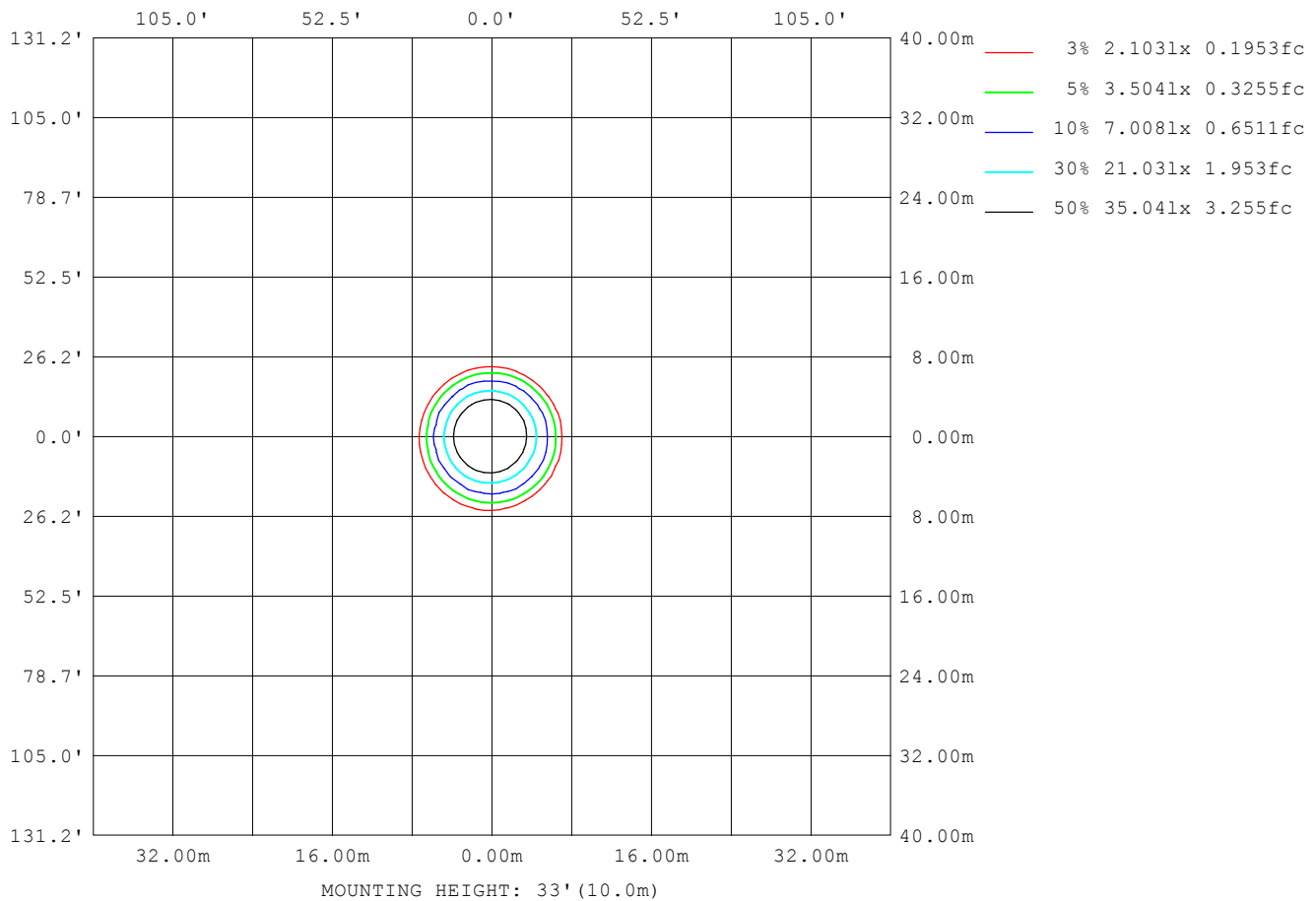
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

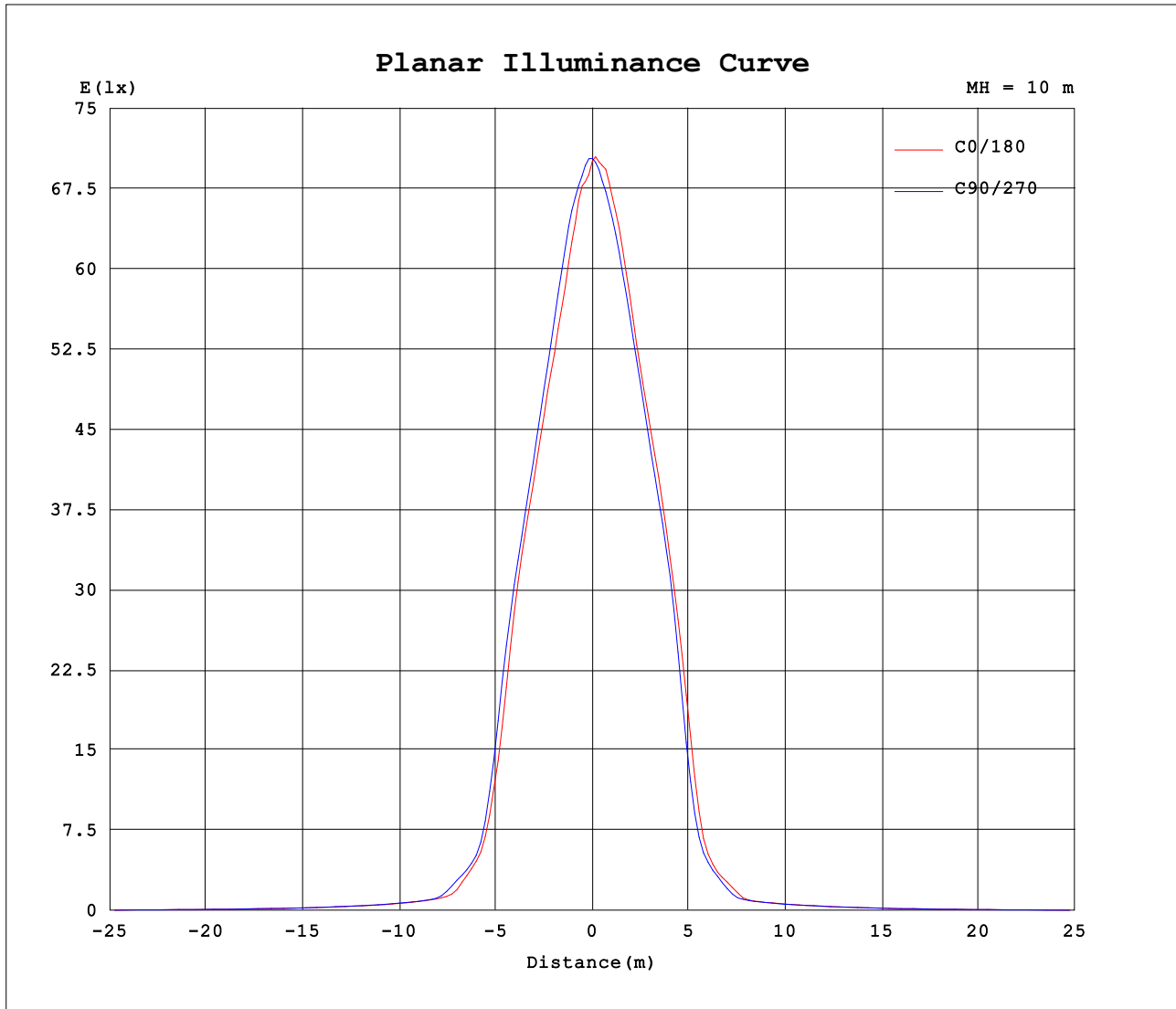
| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Aaron
Test Date: 2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 10.830m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C (DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 7008 | 7013 | 7022 | 7023 | 7026 | 7029 | 7032 | 7037 | 7035 | 7025 | 7039 | 7019 | 7008 | 7013 | 7022 | 7023 | 7026 | 7029 | 7032 |
| 5 | 6508 | 6521 | 6546 | 6604 | 6652 | 6715 | 6749 | 6829 | 6863 | 6877 | 6874 | 6901 | 6894 | 6874 | 6847 | 6795 | 6802 | 6744 | 6679 |
| 10 | 5696 | 5720 | 5719 | 5786 | 5879 | 5962 | 6042 | 6126 | 6182 | 6227 | 6264 | 6262 | 6240 | 6209 | 6218 | 6226 | 6128 | 6058 | 6038 |
| 15 | 4916 | 4902 | 4914 | 4977 | 5013 | 5083 | 5168 | 5256 | 5299 | 5344 | 5355 | 5383 | 5408 | 5412 | 5398 | 5370 | 5372 | 5283 | 5240 |
| 20 | 4012 | 3991 | 4013 | 4058 | 4108 | 4179 | 4223 | 4348 | 4422 | 4488 | 4523 | 4573 | 4588 | 4572 | 4565 | 4513 | 4495 | 4406 | 4367 |
| 25 | 2317 | 2393 | 2402 | 2523 | 2593 | 2789 | 2883 | 3053 | 3110 | 3207 | 3172 | 3199 | 3206 | 3129 | 3142 | 3025 | 2970 | 2759 | 2673 |
| 30 | 844 | 880 | 903 | 951 | 968 | 1001 | 987 | 1008 | 991 | 1028 | 1026 | 1040 | 1039 | 985 | 967 | 913 | 890 | 848 | 833 |
| 35 | 363 | 395 | 404 | 439 | 461 | 498 | 519 | 534 | 534 | 531 | 511 | 497 | 485 | 461 | 446 | 418 | 405 | 385 | 375 |
| 40 | 220 | 226 | 229 | 233 | 233 | 233 | 229 | 226 | 220 | 217 | 209 | 205 | 201 | 198 | 193 | 191 | 191 | 191 | 194 |
| 45 | 189 | 192 | 196 | 198 | 199 | 199 | 196 | 193 | 189 | 185 | 179 | 174 | 172 | 169 | 167 | 166 | 166 | 167 | 169 |
| 50 | 170 | 173 | 175 | 177 | 178 | 177 | 175 | 172 | 168 | 165 | 161 | 157 | 155 | 152 | 151 | 151 | 151 | 152 | 153 |
| 55 | 151 | 154 | 156 | 158 | 159 | 159 | 157 | 155 | 151 | 148 | 144 | 141 | 138 | 136 | 134 | 133 | 134 | 134 | 136 |
| 60 | 132 | 134 | 137 | 138 | 139 | 139 | 137 | 135 | 132 | 129 | 125 | 122 | 120 | 117 | 116 | 115 | 115 | 115 | 117 |
| 65 | 111 | 114 | 116 | 117 | 118 | 118 | 116 | 114 | 112 | 109 | 105 | 102 | 100 | 97.8 | 96.4 | 95.4 | 95.5 | 95.8 | 97.3 |
| 70 | 89.6 | 91.9 | 93.5 | 94.9 | 95.3 | 95.4 | 94.1 | 92.7 | 90.1 | 87.7 | 84.5 | 81.9 | 80.1 | 77.8 | 76.5 | 75.5 | 75.5 | 75.7 | 77.0 |
| 75 | 67.4 | 69.5 | 70.7 | 72.1 | 72.3 | 72.5 | 71.3 | 70.2 | 67.9 | 65.9 | 63.1 | 61.0 | 59.3 | 57.2 | 56.1 | 55.0 | 55.1 | 55.1 | 56.2 |
| 80 | 44.6 | 46.6 | 47.6 | 48.7 | 48.8 | 49.0 | 47.9 | 47.1 | 45.2 | 43.6 | 41.3 | 39.5 | 38.1 | 36.3 | 35.4 | 34.4 | 34.3 | 34.1 | 35.1 |
| 85 | 21.1 | 22.8 | 23.7 | 24.7 | 24.7 | 25.1 | 24.2 | 23.7 | 22.2 | 21.0 | 19.2 | 17.9 | 16.8 | 15.2 | 14.5 | 13.6 | 13.5 | 13.1 | 13.7 |
| 90 | 0.03 | 0.00 | 0.21 | 0.82 | 0.93 | 1.34 | 0.95 | 0.84 | 0.25 | 0.04 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 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 | 0.00 | 0.00 | 0.00 |
| 100 | 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 | 0.00 | 0.00 | 0.00 |
| 105 | 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 | 0.00 | 0.00 | 0.00 |
| 110 | 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 | 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 | 0.01 | 0.00 | 0.03 | 0.00 | 0.03 |
| 120 | 0.10 | 0.14 | 0.10 | 0.12 | 0.08 | 0.11 | 0.08 | 0.08 | 0.07 | 0.08 | 0.08 | 0.09 | 0.15 | 0.12 | 0.16 | 0.13 | 0.17 | 0.16 | 0.20 |
| 125 | 0.33 | 0.36 | 0.31 | 0.33 | 0.30 | 0.31 | 0.29 | 0.30 | 0.25 | 0.29 | 0.27 | 0.29 | 0.38 | 0.35 | 0.39 | 0.36 | 0.39 | 0.38 | 0.43 |
| 130 | 0.63 | 0.65 | 0.60 | 0.61 | 0.59 | 0.59 | 0.54 | 0.58 | 0.52 | 0.54 | 0.52 | 0.56 | 0.66 | 0.64 | 0.67 | 0.66 | 0.70 | 0.68 | 0.75 |
| 135 | 0.98 | 0.98 | 0.96 | 0.96 | 0.92 | 0.93 | 0.87 | 0.90 | 0.85 | 0.86 | 0.85 | 0.87 | 0.98 | 0.99 | 1.01 | 1.00 | 1.04 | 1.03 | 1.10 |
| 140 | 1.37 | 1.37 | 1.35 | 1.35 | 1.31 | 1.31 | 1.27 | 1.28 | 1.21 | 1.23 | 1.22 | 1.24 | 1.38 | 1.40 | 1.41 | 1.42 | 1.42 | 1.46 | 1.50 |
| 145 | 1.77 | 1.76 | 1.74 | 1.74 | 1.72 | 1.69 | 1.67 | 1.67 | 1.62 | 1.63 | 1.61 | 1.64 | 1.79 | 1.83 | 1.82 | 1.82 | 1.83 | 1.88 | 1.92 |
| 150 | 2.08 | 2.10 | 2.09 | 2.08 | 2.07 | 2.06 | 2.03 | 2.02 | 1.98 | 2.00 | 1.97 | 2.00 | 2.17 | 2.19 | 2.19 | 2.19 | 2.20 | 2.23 | 2.28 |
| 155 | 2.35 | 2.35 | 2.34 | 2.34 | 2.34 | 2.32 | 2.32 | 2.29 | 2.26 | 2.29 | 2.26 | 2.27 | 2.46 | 2.48 | 2.50 | 2.48 | 2.49 | 2.51 | 2.55 |
| 160 | 2.51 | 2.51 | 2.48 | 2.47 | 2.50 | 2.49 | 2.50 | 2.46 | 2.44 | 2.45 | 2.44 | 2.46 | 2.67 | 2.65 | 2.67 | 2.64 | 2.66 | 2.70 | 2.71 |
| 165 | 2.50 | 2.50 | 2.50 | 2.49 | 2.53 | 2.55 | 2.55 | 2.52 | 2.50 | 2.49 | 2.51 | 2.52 | 2.69 | 2.69 | 2.67 | 2.64 | 2.67 | 2.69 | 2.72 |
| 170 | 2.47 | 2.46 | 2.50 | 2.47 | 2.51 | 2.51 | 2.51 | 2.48 | 2.47 | 2.50 | 2.52 | 2.50 | 2.59 | 2.62 | 2.62 | 2.60 | 2.59 | 2.60 | 2.60 |
| 175 | 2.51 | 2.51 | 2.53 | 2.53 | 2.57 | 2.54 | 2.53 | 2.53 | 2.53 | 2.54 | 2.55 | 2.51 | 2.58 | 2.60 | 2.60 | 2.62 | 2.57 | 2.56 | 2.57 |
| 180 | 2.57 | 2.58 | 2.58 | 2.61 | 2.60 | 2.57 | 2.58 | 2.57 | 2.57 | 2.59 | 2.57 | 2.57 | 2.58 | 2.58 | 2.59 | 2.60 | 2.58 | 2.58 | 2.58 |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.4895A P:58.64W PF:0.9950 Lamp Flux:4007.71x1 lm | | |
| NAME: ADL 60W ADR4WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 60W ADR4WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C (DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 7037 | 7035 | 7025 | 7039 | 7019 | | | | | | | | | | | | | | |
| 5 | 6622 | 6602 | 6544 | 6541 | 6525 | | | | | | | | | | | | | | |
| 10 | 5936 | 5865 | 5785 | 5758 | 5681 | | | | | | | | | | | | | | |
| 15 | 5162 | 5088 | 5015 | 4987 | 4927 | | | | | | | | | | | | | | |
| 20 | 4292 | 4251 | 4170 | 4128 | 4052 | | | | | | | | | | | | | | |
| 25 | 2489 | 2449 | 2341 | 2374 | 2327 | | | | | | | | | | | | | | |
| 30 | 807 | 806 | 802 | 814 | 829 | | | | | | | | | | | | | | |
| 35 | 350 | 358 | 334 | 364 | 357 | | | | | | | | | | | | | | |
| 40 | 197 | 201 | 206 | 212 | 216 | | | | | | | | | | | | | | |
| 45 | 171 | 175 | 178 | 182 | 185 | | | | | | | | | | | | | | |
| 50 | 155 | 158 | 161 | 165 | 168 | | | | | | | | | | | | | | |
| 55 | 137 | 140 | 143 | 146 | 149 | | | | | | | | | | | | | | |
| 60 | 118 | 121 | 124 | 127 | 130 | | | | | | | | | | | | | | |
| 65 | 98.9 | 101 | 104 | 107 | 109 | | | | | | | | | | | | | | |
| 70 | 78.4 | 80.6 | 82.7 | 85.6 | 87.7 | | | | | | | | | | | | | | |
| 75 | 57.3 | 59.3 | 61.2 | 63.8 | 65.8 | | | | | | | | | | | | | | |
| 80 | 35.9 | 37.6 | 39.1 | 41.4 | 43.2 | | | | | | | | | | | | | | |
| 85 | 14.1 | 15.4 | 16.5 | 18.5 | 19.8 | | | | | | | | | | | | | | |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | | | | | | | | | | | | | | |
| 95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 115 | 0.01 | 0.02 | 0.00 | 0.03 | 0.00 | | | | | | | | | | | | | | |
| 120 | 0.19 | 0.20 | 0.18 | 0.22 | 0.18 | | | | | | | | | | | | | | |
| 125 | 0.43 | 0.45 | 0.42 | 0.46 | 0.42 | | | | | | | | | | | | | | |
| 130 | 0.73 | 0.76 | 0.74 | 0.77 | 0.77 | | | | | | | | | | | | | | |
| 135 | 1.11 | 1.12 | 1.10 | 1.14 | 1.15 | | | | | | | | | | | | | | |
| 140 | 1.51 | 1.52 | 1.50 | 1.55 | 1.57 | | | | | | | | | | | | | | |
| 145 | 1.93 | 1.93 | 1.92 | 1.95 | 1.98 | | | | | | | | | | | | | | |
| 150 | 2.28 | 2.28 | 2.29 | 2.31 | 2.32 | | | | | | | | | | | | | | |
| 155 | 2.55 | 2.55 | 2.57 | 2.56 | 2.57 | | | | | | | | | | | | | | |
| 160 | 2.73 | 2.70 | 2.71 | 2.67 | 2.70 | | | | | | | | | | | | | | |
| 165 | 2.71 | 2.69 | 2.67 | 2.62 | 2.64 | | | | | | | | | | | | | | |
| 170 | 2.62 | 2.62 | 2.59 | 2.57 | 2.56 | | | | | | | | | | | | | | |
| 175 | 2.55 | 2.58 | 2.59 | 2.57 | 2.57 | | | | | | | | | | | | | | |
| 180 | 2.57 | 2.58 | 2.59 | 2.57 | 2.56 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:10.830m [K=1.0000]
Remarks: