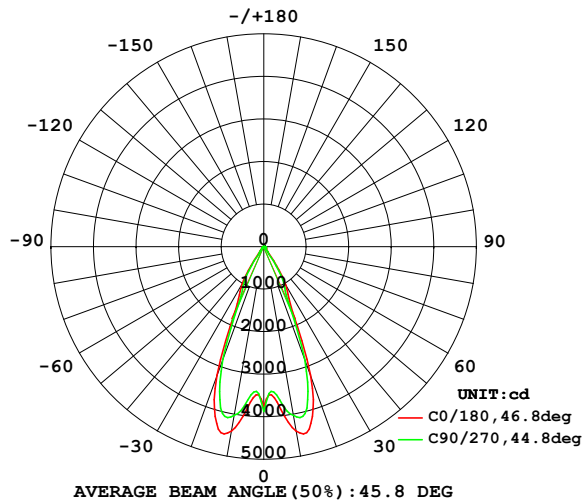


LUMINAIRE PHOTOMETRIC TEST REPORT

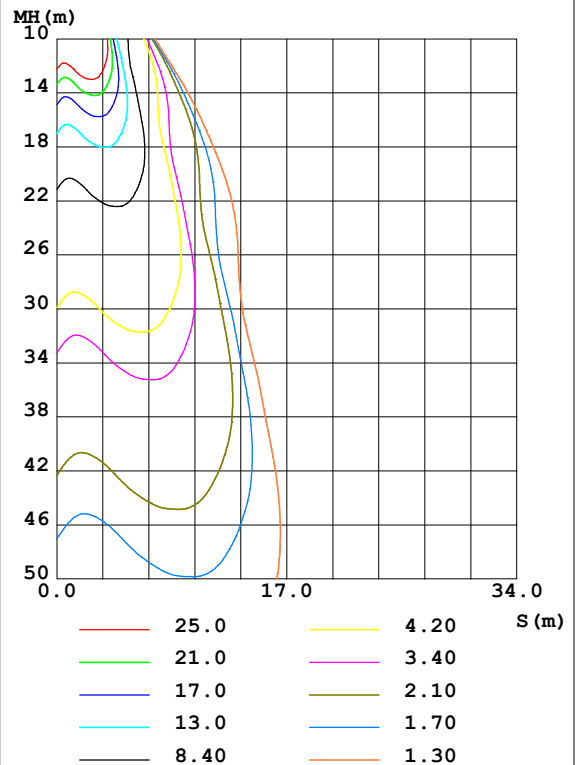
| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 77.29 lm/W | | | |
|------------------|---------|----------------------------------|--------|--------------------|----------|
| MODEL | | I _{max} (cd) | 4503 | S/MH (C0/180) | 0.71 |
| NOMINAL POWER(W) | 30 | LOR(%) | 100.0 | S/MH (C90/270) | 0.65 |
| RATED VOLTAGE(V) | 120-277 | TOTAL FLUX (lm) | 2513.5 | η UP,DN (C0-180) | 0.1,49.9 |
| NOMINAL FLUX(lm) | 2513.49 | CIE CLASS | DIRECT | η UP,DN (C180-360) | 0.1,49.9 |
| LAMPS INSIDE | 1 | η up (%) | 0.1 | CIBSE SHR NOM | 0.00 |
| TEST VOLTAGE (V) | 120 | η down (%) | 99.9 | CIBSE SHR MAX | 1.00 |

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 | 4404 | 3658 | 4030 | 3658 | 4404 | 3658 | 4030 | 3658 | 0- 10 | 336.3 | 336.3 | 13.4 |
| 20 | 3215 | 3026 | 2823 | 3026 | 3215 | 3026 | 2823 | 3026 | 10- 20 | 1055 | 1391 | 55.4 |
| 30 | 1025 | 901.6 | 895.6 | 901.6 | 1025 | 901.6 | 895.6 | 901.6 | 20- 30 | 709.8 | 2101 | 83.6 |
| 40 | 135.1 | 131.6 | 127.4 | 131.6 | 135.1 | 131.6 | 127.4 | 131.6 | 30- 40 | 241.8 | 2343 | 93.2 |
| 50 | 54.22 | 55.00 | 54.86 | 55.00 | 54.22 | 55.00 | 54.86 | 55.00 | 40- 50 | 57.59 | 2401 | 95.5 |
| 60 | 40.59 | 41.37 | 41.35 | 41.37 | 40.59 | 41.37 | 41.35 | 41.37 | 50- 60 | 42.79 | 2443 | 97.2 |
| 70 | 28.64 | 29.32 | 29.21 | 29.32 | 28.64 | 29.32 | 29.21 | 29.32 | 60- 70 | 34.86 | 2478 | 98.6 |
| 80 | 15.68 | 16.06 | 15.50 | 16.06 | 15.68 | 16.06 | 15.50 | 16.06 | 70- 80 | 24.00 | 2502 | 99.6 |
| 90 | 0.0216 | 0 | 0.0017 | 0 | 0.0216 | 0 | 0.0017 | 0 | 80- 90 | 8.612 | 2511 | 99.9 |
| 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 90-100 | 0.0011 | 2511 | 99.9 |
| 110 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100-110 | 0 | 2511 | 99.9 |
| 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 110-120 | 0 | 2511 | 99.9 |
| 130 | 0.2547 | 0.3055 | 0.3045 | 0.3055 | 0.2547 | 0.3055 | 0.3045 | 0.3055 | 120-130 | 0.0869 | 2511 | 99.9 |
| 140 | 0.7932 | 0.8792 | 0.8638 | 0.8792 | 0.7932 | 0.8792 | 0.8638 | 0.8792 | 130-140 | 0.4406 | 2511 | 99.9 |
| 150 | 1.331 | 1.425 | 1.410 | 1.425 | 1.331 | 1.425 | 1.410 | 1.425 | 140-150 | 0.7050 | 2512 | 99.9 |
| 160 | 1.672 | 1.686 | 1.686 | 1.686 | 1.672 | 1.686 | 1.686 | 1.686 | 150-160 | 0.7278 | 2513 | 100 |
| 170 | 1.679 | 1.694 | 1.672 | 1.694 | 1.679 | 1.694 | 1.672 | 1.694 | 160-170 | 0.4790 | 2513 | 100 |
| 180 | 1.785 | 1.807 | 1.793 | 1.807 | 1.785 | 1.807 | 1.793 | 1.807 | 170-180 | 0.1632 | 2513 | 100 |
| DEG | LUMINOUS INTENSITY:cd | | | | | | | | | UNIT:lm | | |

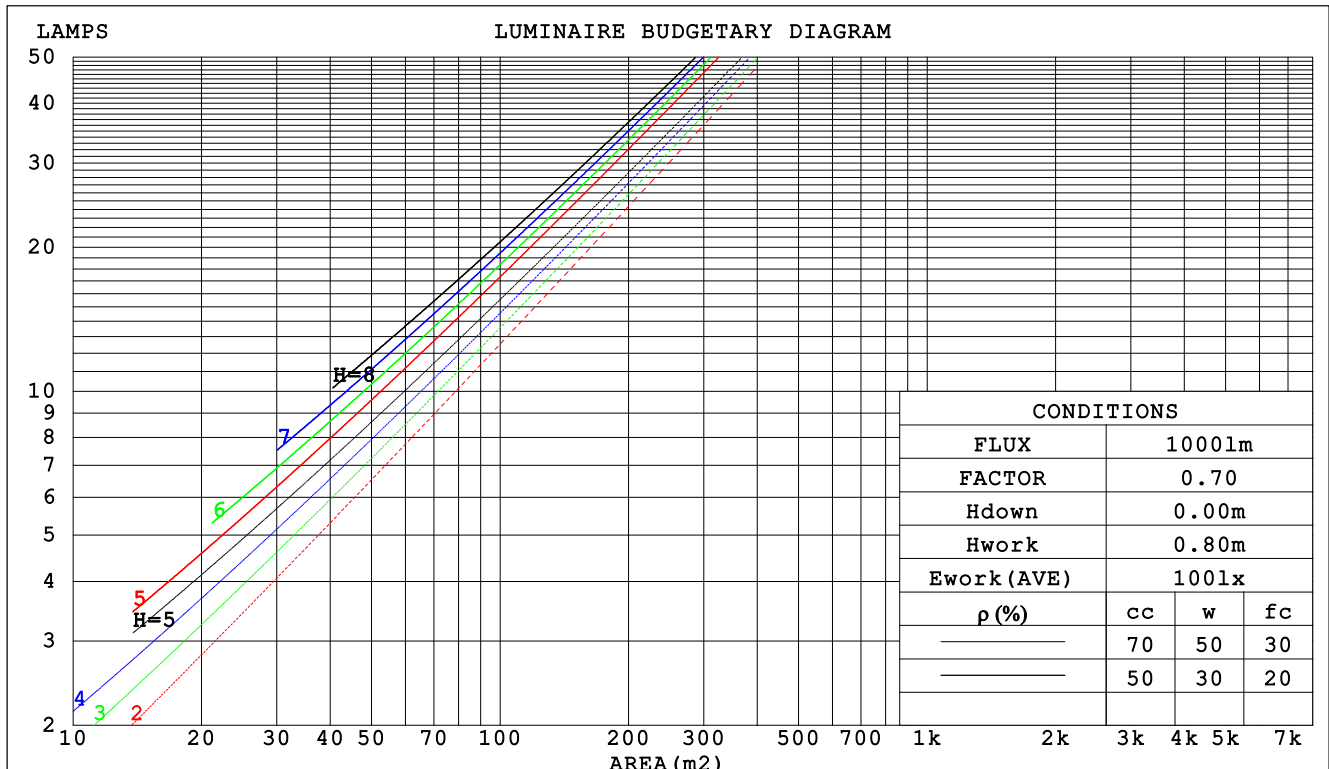
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 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 | 1.11 | 1.08 | 1.06 | 1.09 | 1.07 | 1.05 | 1.05 | 1.03 | 1.01 | 1.01 | .98 | .98 | .98 | .96 | .95 | .94 |
| 2.0 | 1.04 | .97 | .97 | 1.02 | .99 | .96 | .99 | .96 | .93 | .96 | .93 | .91 | .93 | .91 | .90 | .88 |
| 3.0 | .97 | .93 | .89 | .96 | .92 | .88 | .94 | .90 | .87 | .91 | .88 | .86 | .89 | .86 | .84 | .83 |
| 4.0 | .92 | .87 | .83 | .91 | .86 | .82 | .89 | .85 | .81 | .87 | .83 | .80 | .85 | .82 | .80 | .78 |
| 5.0 | .87 | .82 | .78 | .86 | .81 | .77 | .84 | .80 | .77 | .83 | .79 | .76 | .81 | .78 | .75 | .74 |
| 6.0 | .82 | .77 | .73 | .82 | .77 | .73 | .80 | .76 | .72 | .79 | .75 | .72 | .78 | .74 | .71 | .70 |
| 7.0 | .78 | .73 | .69 | .78 | .73 | .69 | .77 | .72 | .69 | .75 | .71 | .68 | .74 | .71 | .68 | .67 |
| 8.0 | .75 | .69 | .66 | .74 | .69 | .65 | .73 | .68 | .65 | .72 | .68 | .65 | .71 | .67 | .65 | .63 |
| 9.0 | .71 | .66 | .62 | .71 | .66 | .62 | .70 | .65 | .62 | .69 | .65 | .62 | .68 | .64 | .62 | .60 |
| 10.0 | .68 | .63 | .59 | .68 | .63 | .59 | .67 | .62 | .59 | .66 | .62 | .59 | .65 | .62 | .59 | .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:

WEC AND CCEC

| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 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 | .175 | .099 | .031 | .168 | .096 | .030 | .155 | .089 | .028 | .144 | .083 | .027 | .133 | .077 | .025 | | |
| 2.0 | .164 | .090 | .028 | .158 | .087 | .027 | .148 | .082 | .025 | .138 | .077 | .024 | .129 | .073 | .023 | | |
| 3.0 | .154 | .082 | .024 | .149 | .080 | .024 | .140 | .076 | .023 | .132 | .072 | .022 | .124 | .069 | .021 | | |
| 4.0 | .145 | .075 | .022 | .141 | .074 | .022 | .133 | .070 | .021 | .126 | .068 | .020 | .119 | .065 | .020 | | |
| 5.0 | .137 | .070 | .020 | .133 | .068 | .020 | .127 | .066 | .019 | .120 | .064 | .019 | .115 | .061 | .018 | | |
| 6.0 | .130 | .065 | .019 | .127 | .064 | .018 | .121 | .062 | .018 | .115 | .060 | .018 | .110 | .058 | .017 | | |
| 7.0 | .124 | .061 | .017 | .121 | .060 | .017 | .116 | .058 | .017 | .111 | .057 | .017 | .106 | .055 | .016 | | |
| 8.0 | .118 | .058 | .016 | .115 | .057 | .016 | .111 | .055 | .016 | .107 | .054 | .016 | .103 | .053 | .015 | | |
| 9.0 | .113 | .055 | .015 | .111 | .054 | .015 | .107 | .053 | .015 | .103 | .051 | .015 | .099 | .050 | .015 | | |
| 10.0 | .108 | .052 | .014 | .106 | .051 | .014 | .103 | .050 | .014 | .099 | .049 | .014 | .096 | .048 | .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 | .172 | .158 | .146 | .147 | .136 | .126 | .101 | .093 | .087 | .058 | .054 | .050 | .019 | .017 | .016 | |
| 2.0 | .156 | .133 | .114 | .134 | .115 | .099 | .092 | .079 | .069 | .053 | .046 | .040 | .017 | .015 | .013 | |
| 3.0 | .143 | .114 | .092 | .122 | .099 | .079 | .084 | .069 | .056 | .049 | .040 | .033 | .016 | .013 | .011 | |
| 4.0 | .132 | .099 | .075 | .113 | .086 | .065 | .078 | .060 | .046 | .045 | .035 | .027 | .014 | .011 | .009 | |
| 5.0 | .123 | .088 | .062 | .105 | .076 | .054 | .073 | .053 | .038 | .042 | .031 | .023 | .014 | .010 | .007 | |
| 6.0 | .115 | .078 | .052 | .099 | .068 | .045 | .068 | .047 | .032 | .039 | .028 | .019 | .013 | .009 | .006 | |
| 7.0 | .108 | .070 | .044 | .093 | .061 | .039 | .064 | .043 | .027 | .037 | .025 | .016 | .012 | .008 | .005 | |
| 8.0 | .102 | .064 | .038 | .088 | .056 | .033 | .061 | .039 | .024 | .035 | .023 | .014 | .011 | .008 | .005 | |
| 9.0 | .097 | .059 | .033 | .083 | .051 | .029 | .058 | .036 | .021 | .034 | .021 | .012 | .011 | .007 | .004 | |
| 10.0 | .092 | .054 | .029 | .079 | .047 | .026 | .055 | .033 | .018 | .032 | .020 | .011 | .010 | .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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | | | | | | | | | |
| NAME: ADL 30W ADR8WH 40° | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.:ADL 30W ADR8WH 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 | 4.4 | 5.3 | 4.6 | 5.5 | 5.6 | 3.8 | 4.7 | 4.1 | 4.9 | 5.0 |
| 3H | 5.1 | 5.9 | 5.4 | 6.1 | 6.3 | 4.7 | 5.5 | 5.0 | 5.7 | 5.9 |
| 4H | 5.6 | 6.3 | 5.8 | 6.6 | 6.8 | 5.2 | 6.0 | 5.5 | 6.2 | 6.5 |
| 6H | 6.0 | 6.7 | 6.3 | 7.0 | 7.2 | 5.7 | 6.4 | 6.0 | 6.7 | 6.9 |
| 8H | 6.2 | 6.9 | 6.5 | 7.1 | 7.4 | 5.9 | 6.6 | 6.2 | 6.9 | 7.1 |
| 12H | 6.3 | 7.0 | 6.6 | 7.3 | 7.5 | 6.0 | 6.7 | 6.4 | 7.0 | 7.3 |
| 4H 2H | 4.6 | 5.3 | 4.9 | 5.6 | 5.8 | 4.1 | 4.8 | 4.4 | 5.1 | 5.3 |
| 3H | 5.6 | 6.2 | 5.9 | 6.5 | 6.8 | 5.2 | 5.9 | 5.6 | 6.2 | 6.4 |
| 4H | 6.2 | 6.8 | 6.5 | 7.1 | 7.4 | 5.9 | 6.5 | 6.3 | 6.8 | 7.1 |
| 6H | 6.8 | 7.3 | 7.2 | 7.6 | 8.0 | 6.6 | 7.1 | 7.0 | 7.5 | 7.8 |
| 8H | 7.0 | 7.5 | 7.4 | 7.9 | 8.3 | 6.8 | 7.3 | 7.2 | 7.7 | 8.1 |
| 12H | 7.2 | 7.7 | 7.7 | 8.1 | 8.5 | 7.0 | 7.5 | 7.4 | 7.9 | 8.3 |
| 8H 4H | 6.4 | 6.9 | 6.8 | 7.3 | 7.6 | 6.2 | 6.7 | 6.6 | 7.0 | 7.4 |
| 6H | 7.2 | 7.6 | 7.6 | 8.0 | 8.4 | 7.0 | 7.4 | 7.4 | 7.8 | 8.2 |
| 8H | 7.5 | 7.9 | 8.0 | 8.3 | 8.8 | 7.4 | 7.7 | 7.8 | 8.2 | 8.6 |
| 12H | 7.9 | 8.2 | 8.3 | 8.6 | 9.1 | 7.7 | 8.0 | 8.1 | 8.4 | 8.9 |
| 12H 4H | 6.4 | 6.9 | 6.8 | 7.2 | 7.6 | 6.2 | 6.7 | 6.6 | 7.0 | 7.4 |
| 6H | 7.3 | 7.6 | 7.7 | 8.0 | 8.5 | 7.1 | 7.5 | 7.5 | 7.9 | 8.3 |
| 8H | 7.7 | 8.0 | 8.1 | 8.4 | 8.9 | 7.5 | 7.8 | 8.0 | 8.3 | 8.7 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.4 / - 0.4 | | | | | + 0.3 / - 0.3 | | | | |
| 1.5H | + 0.7 / - 0.3 | | | | | + 0.5 / - 0.3 | | | | |
| 2.0H | + 0.1 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |

CIE Pub.117 Corrected 2513 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.2)

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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 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) $k(RI) \times RCR = 5$ | | | | | | | | | |
| $k = 0.60$ | 87 | 81 | 77 | 87 | 81 | 77 | 86 | 81 | 77 | 74 |
| 0.80 | 95 | 89 | 85 | 94 | 88 | 85 | 93 | 88 | 85 | 81 |
| 1.00 | 99 | 93 | 90 | 98 | 93 | 89 | 96 | 93 | 89 | 85 |
| 1.25 | 103 | 97 | 94 | 102 | 97 | 94 | 100 | 96 | 93 | 89 |
| 1.50 | 105 | 101 | 97 | 104 | 100 | 97 | 102 | 98 | 96 | 91 |
| 2.00 | 108 | 104 | 101 | 107 | 103 | 100 | 104 | 101 | 98 | 93 |
| 2.50 | 110 | 106 | 103 | 108 | 105 | 102 | 105 | 102 | 100 | 94 |
| 3.00 | 111 | 108 | 105 | 110 | 106 | 104 | 106 | 104 | 102 | 95 |
| 4.00 | 114 | 111 | 108 | 111 | 109 | 107 | 108 | 106 | 104 | 97 |
| 5.00 | 115 | 113 | 111 | 113 | 111 | 109 | 109 | 107 | 106 | 98 |
| ROOM INDEX | UF (total) | | | | | | | | | Direct |
| According to DIN EN 13032-2 2004 | | | Suspended | | | | | SHR NOM = 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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |

Conical surface Flux(90deg):

2376.6 lm

%lum = 94.6%

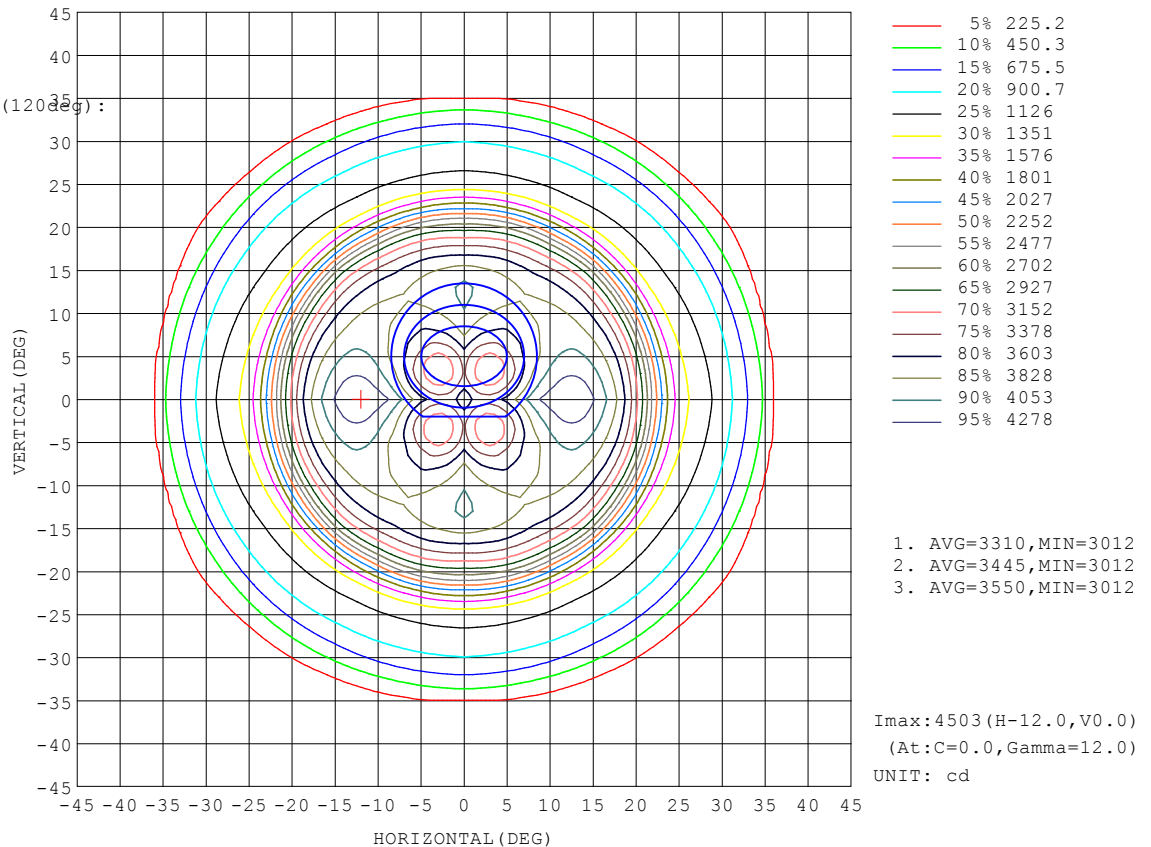
%lamp = 94.6%

Conical surface Flux(120deg):

2443.4 lm

%lum = 97.2%

%lamp = 97.2%

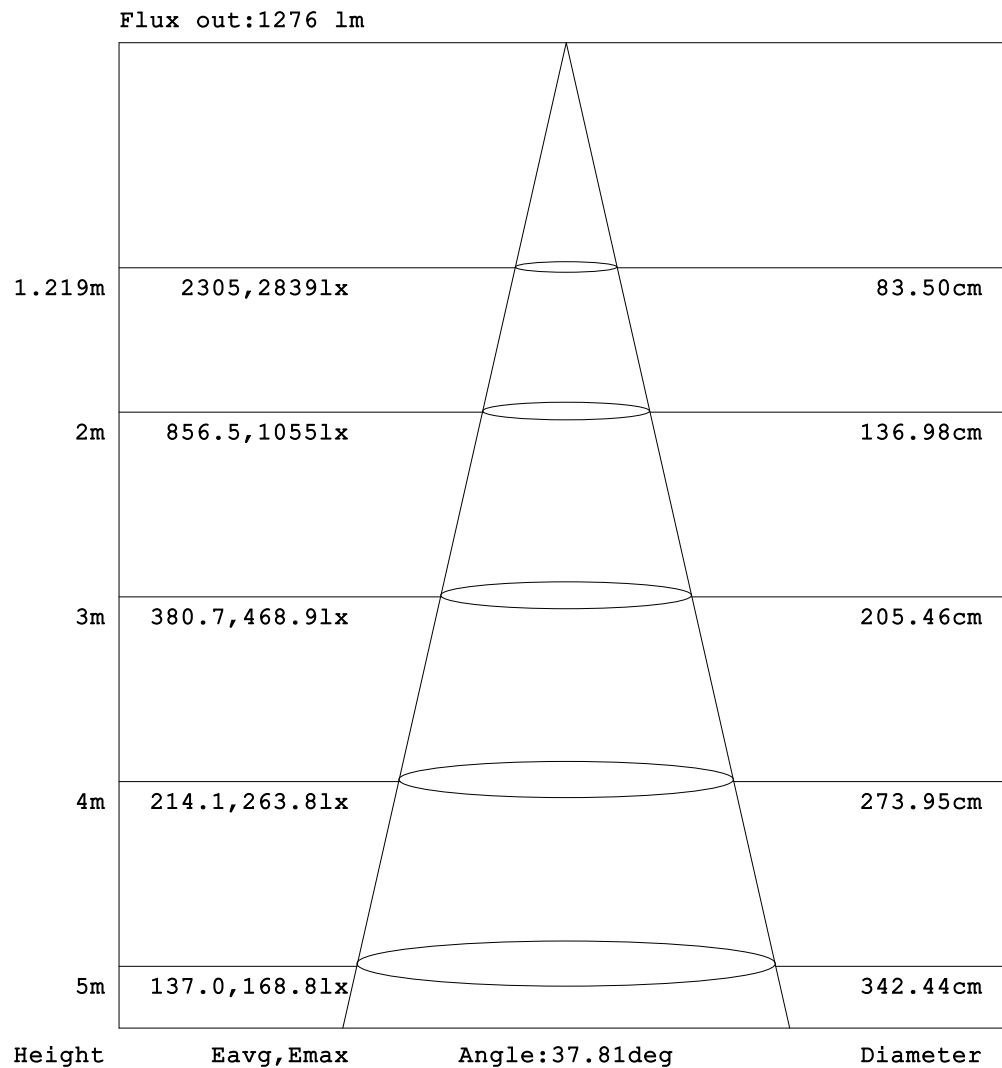


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Aaron
Test Date:2018-05-31

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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |



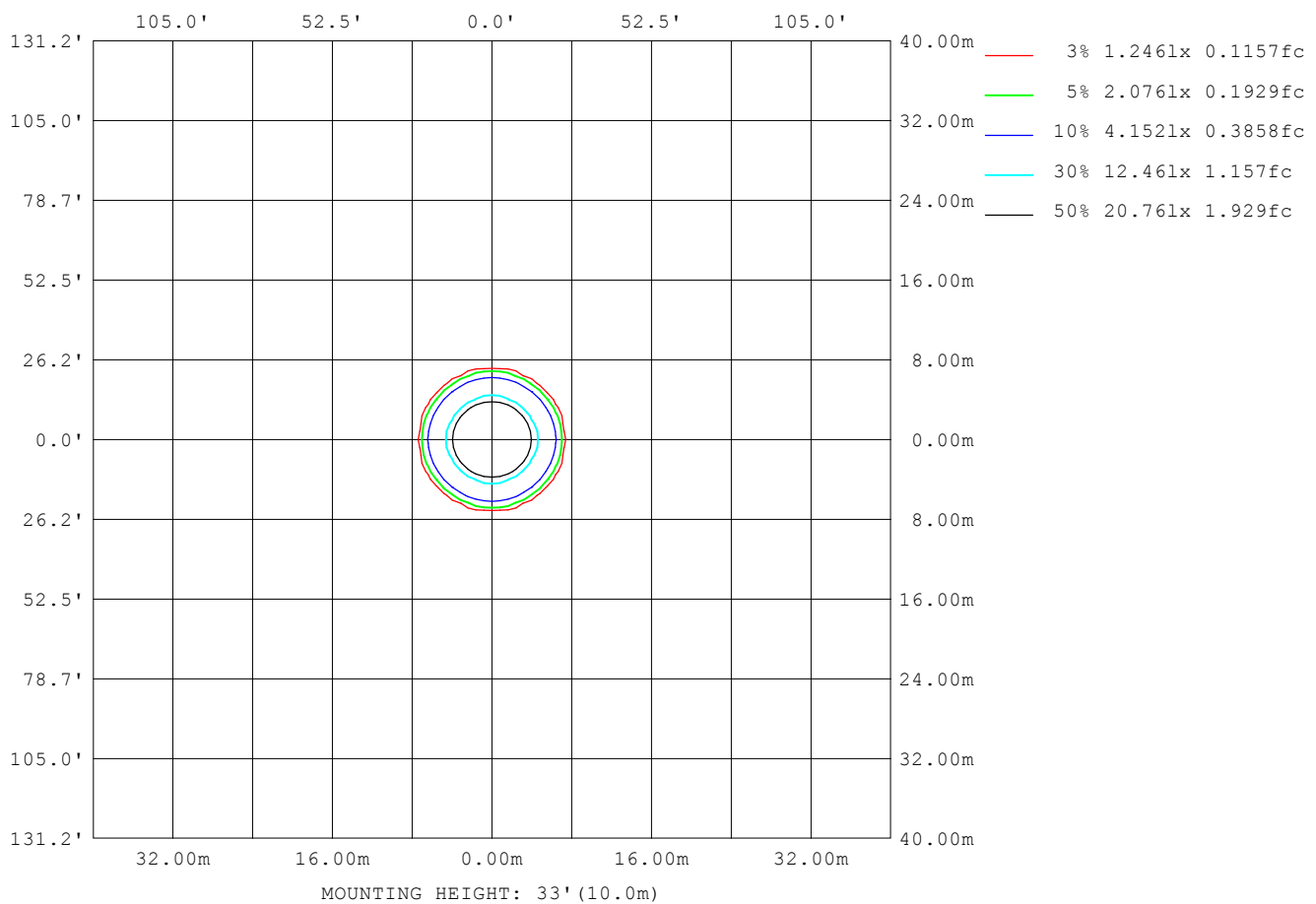
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

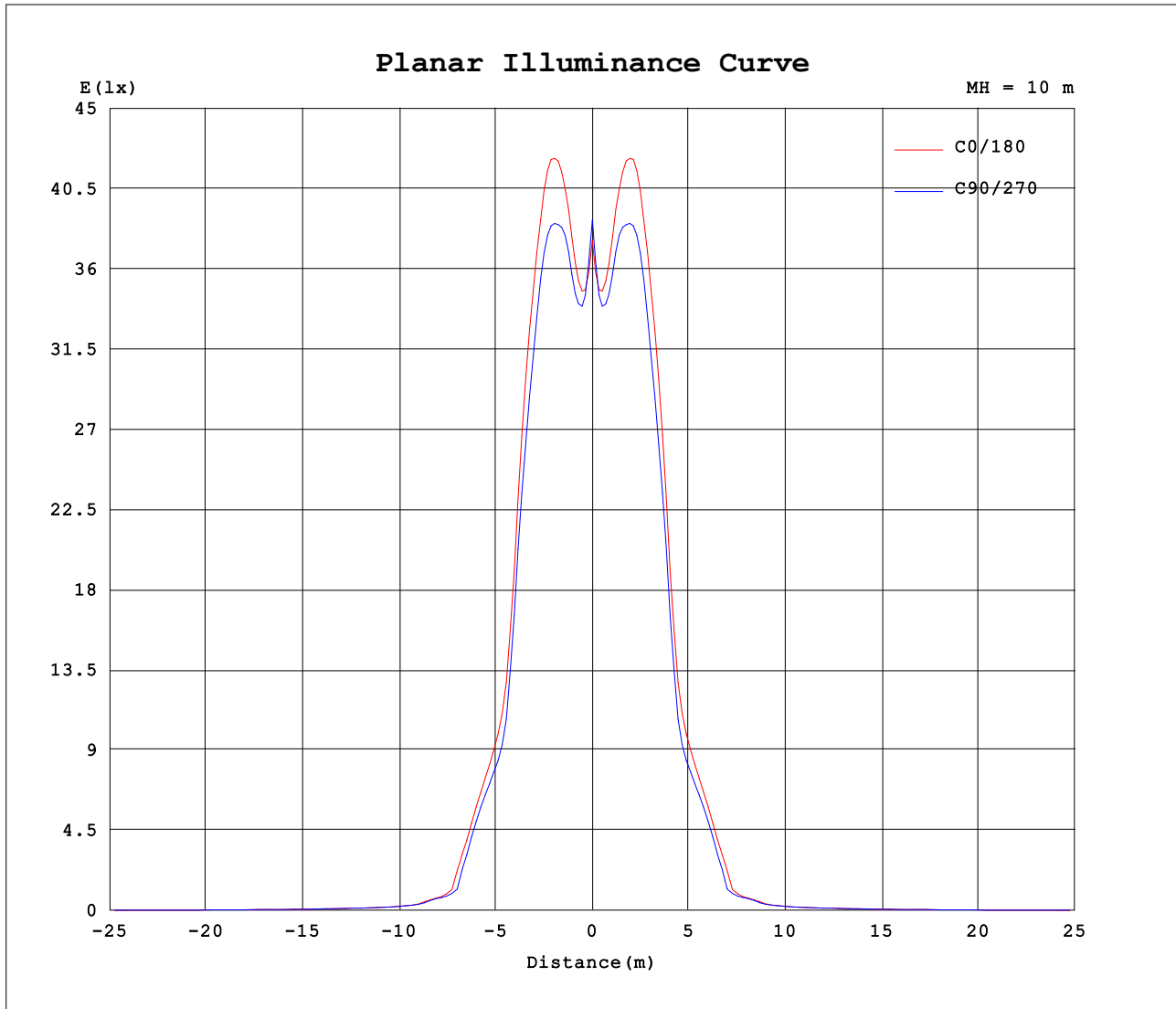
| | | |
|---|----------|-------------------|
| Test:U:120.4V I:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 40° | DIM.: | SERIAL No.:01 |
| MFR.: GREEN CREATIVE | SUR.: | PROTECTION ANGLE: |



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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 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 | 3758 | 3802 | 3786 | 3840 | 3829 | 3885 | 3873 | 3885 | 3829 | 3840 | 3786 | 3802 | 3758 | 3802 | 3786 | 3840 | 3829 | 3885 | 3873 |
| 5 | 3675 | 3392 | 3125 | 3011 | 3016 | 3217 | 3499 | 3217 | 3016 | 3011 | 3125 | 3392 | 3675 | 3392 | 3125 | 3011 | 3016 | 3217 | 3499 |
| 10 | 4404 | 4098 | 3809 | 3658 | 3643 | 3815 | 4030 | 3815 | 3643 | 3658 | 3809 | 4098 | 4404 | 4098 | 3809 | 3658 | 3643 | 3815 | 4030 |
| 15 | 4297 | 4096 | 3916 | 3840 | 3773 | 3854 | 3929 | 3854 | 3773 | 3840 | 3916 | 4096 | 4297 | 4096 | 3916 | 3840 | 3773 | 3854 | 3929 |
| 20 | 3215 | 3167 | 3067 | 3026 | 2889 | 2879 | 2823 | 2879 | 2889 | 3026 | 3067 | 3167 | 3215 | 3167 | 3067 | 3026 | 2889 | 2879 | 2823 |
| 25 | 1487 | 1423 | 1349 | 1305 | 1260 | 1247 | 1251 | 1247 | 1260 | 1305 | 1349 | 1423 | 1487 | 1423 | 1349 | 1305 | 1260 | 1247 | 1251 |
| 30 | 1025 | 980 | 931 | 902 | 874 | 879 | 896 | 879 | 874 | 902 | 931 | 980 | 1025 | 980 | 931 | 902 | 874 | 879 | 896 |
| 35 | 409 | 359 | 321 | 294 | 242 | 241 | 220 | 241 | 242 | 294 | 321 | 359 | 409 | 359 | 321 | 294 | 242 | 241 | 220 |
| 40 | 135 | 134 | 132 | 132 | 130 | 130 | 127 | 130 | 130 | 132 | 132 | 134 | 135 | 134 | 132 | 132 | 130 | 130 | 127 |
| 45 | 68.0 | 69.2 | 69.5 | 69.9 | 68.8 | 68.6 | 66.2 | 68.6 | 68.8 | 69.9 | 69.5 | 69.2 | 68.0 | 69.2 | 69.5 | 69.9 | 68.8 | 68.6 | 66.2 |
| 50 | 54.2 | 54.6 | 54.8 | 55.0 | 55.0 | 55.1 | 54.9 | 55.1 | 55.0 | 55.0 | 54.8 | 54.6 | 54.2 | 54.6 | 54.8 | 55.0 | 55.0 | 55.1 | 54.9 |
| 55 | 47.1 | 47.5 | 47.6 | 47.9 | 47.9 | 48.0 | 47.8 | 48.0 | 47.9 | 47.9 | 47.6 | 47.5 | 47.1 | 47.5 | 47.6 | 47.9 | 47.9 | 48.0 | 47.8 |
| 60 | 40.6 | 41.0 | 41.1 | 41.4 | 41.4 | 41.5 | 41.4 | 41.5 | 41.4 | 41.4 | 41.1 | 41.0 | 40.6 | 41.0 | 41.1 | 41.4 | 41.4 | 41.5 | 41.4 |
| 65 | 34.6 | 35.0 | 35.1 | 35.3 | 35.4 | 35.5 | 35.3 | 35.5 | 35.4 | 35.3 | 35.1 | 35.0 | 34.6 | 35.0 | 35.1 | 35.3 | 35.4 | 35.5 | 35.3 |
| 70 | 28.6 | 29.0 | 29.1 | 29.3 | 29.3 | 29.4 | 29.2 | 29.4 | 29.3 | 29.3 | 29.1 | 29.0 | 28.6 | 29.0 | 29.1 | 29.3 | 29.3 | 29.4 | 29.2 |
| 75 | 22.4 | 22.7 | 22.8 | 23.0 | 23.0 | 23.0 | 22.7 | 23.0 | 23.0 | 23.0 | 22.8 | 22.7 | 22.4 | 22.7 | 22.8 | 23.0 | 23.0 | 23.0 | 22.7 |
| 80 | 15.7 | 16.0 | 16.0 | 16.1 | 15.9 | 15.8 | 15.5 | 15.8 | 15.9 | 16.1 | 16.0 | 16.0 | 15.7 | 16.0 | 16.0 | 16.1 | 15.9 | 15.8 | 15.5 |
| 85 | 8.09 | 8.28 | 8.15 | 8.17 | 7.88 | 7.76 | 7.33 | 7.76 | 7.88 | 8.17 | 8.15 | 8.28 | 8.09 | 8.28 | 8.15 | 8.17 | 7.88 | 7.76 | 7.33 |
| 90 | 0.02 | 0.07 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.03 | 0.07 | 0.02 | 0.07 | 0.03 | 0.00 | 0.01 | 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 | 0.00 | 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 | 0.00 | 0.00 | 0.00 |
| 125 | 0.04 | 0.06 | 0.05 | 0.09 | 0.08 | 0.11 | 0.08 | 0.11 | 0.08 | 0.09 | 0.05 | 0.06 | 0.04 | 0.06 | 0.05 | 0.09 | 0.08 | 0.11 | 0.08 |
| 130 | 0.25 | 0.30 | 0.28 | 0.31 | 0.31 | 0.34 | 0.30 | 0.34 | 0.31 | 0.31 | 0.28 | 0.30 | 0.25 | 0.30 | 0.28 | 0.31 | 0.31 | 0.34 | 0.30 |
| 135 | 0.52 | 0.56 | 0.54 | 0.60 | 0.57 | 0.62 | 0.58 | 0.62 | 0.57 | 0.60 | 0.54 | 0.56 | 0.52 | 0.56 | 0.54 | 0.60 | 0.57 | 0.62 | 0.58 |
| 140 | 0.79 | 0.84 | 0.84 | 0.88 | 0.86 | 0.91 | 0.86 | 0.91 | 0.86 | 0.88 | 0.84 | 0.84 | 0.79 | 0.84 | 0.84 | 0.88 | 0.86 | 0.91 | 0.86 |
| 145 | 1.06 | 1.11 | 1.11 | 1.16 | 1.14 | 1.19 | 1.14 | 1.19 | 1.14 | 1.16 | 1.11 | 1.11 | 1.06 | 1.11 | 1.11 | 1.16 | 1.14 | 1.19 | 1.14 |
| 150 | 1.33 | 1.38 | 1.37 | 1.42 | 1.40 | 1.44 | 1.41 | 1.44 | 1.40 | 1.42 | 1.37 | 1.38 | 1.33 | 1.38 | 1.37 | 1.42 | 1.40 | 1.44 | 1.41 |
| 155 | 1.57 | 1.59 | 1.58 | 1.62 | 1.59 | 1.64 | 1.62 | 1.64 | 1.59 | 1.62 | 1.58 | 1.59 | 1.57 | 1.59 | 1.58 | 1.62 | 1.59 | 1.64 | 1.62 |
| 160 | 1.67 | 1.69 | 1.68 | 1.69 | 1.69 | 1.71 | 1.69 | 1.71 | 1.69 | 1.69 | 1.68 | 1.69 | 1.67 | 1.69 | 1.68 | 1.69 | 1.69 | 1.71 | 1.69 |
| 165 | 1.68 | 1.68 | 1.69 | 1.69 | 1.70 | 1.70 | 1.69 | 1.70 | 1.70 | 1.69 | 1.69 | 1.68 | 1.68 | 1.68 | 1.69 | 1.69 | 1.70 | 1.70 | 1.69 |
| 170 | 1.68 | 1.67 | 1.68 | 1.69 | 1.69 | 1.69 | 1.67 | 1.69 | 1.69 | 1.69 | 1.68 | 1.67 | 1.68 | 1.67 | 1.68 | 1.69 | 1.69 | 1.69 | 1.67 |
| 175 | 1.70 | 1.71 | 1.70 | 1.76 | 1.72 | 1.75 | 1.70 | 1.75 | 1.72 | 1.76 | 1.70 | 1.71 | 1.70 | 1.71 | 1.70 | 1.76 | 1.72 | 1.75 | 1.70 |
| 180 | 1.79 | 1.79 | 1.80 | 1.81 | 1.80 | 1.80 | 1.79 | 1.80 | 1.80 | 1.81 | 1.80 | 1.79 | 1.79 | 1.79 | 1.80 | 1.81 | 1.80 | 1.80 | 1.79 |

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:0.2716A P:32.52W PF:0.9945 Lamp Flux:2513.49x1 lm | | |
| NAME: ADL 30W ADR8WH 40° | TYPE:LED | WEIGHT: |
| SPEC.:ADL 30W ADR8WH 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 | 3885 | 3829 | 3840 | 3786 | 3802 | | | | | | | | | | | | | | |
| 5 | 3217 | 3016 | 3011 | 3125 | 3392 | | | | | | | | | | | | | | |
| 10 | 3815 | 3643 | 3658 | 3809 | 4098 | | | | | | | | | | | | | | |
| 15 | 3854 | 3773 | 3840 | 3916 | 4096 | | | | | | | | | | | | | | |
| 20 | 2879 | 2889 | 3026 | 3067 | 3167 | | | | | | | | | | | | | | |
| 25 | 1247 | 1260 | 1305 | 1349 | 1423 | | | | | | | | | | | | | | |
| 30 | 879 | 874 | 902 | 931 | 980 | | | | | | | | | | | | | | |
| 35 | 241 | 242 | 294 | 321 | 359 | | | | | | | | | | | | | | |
| 40 | 130 | 130 | 132 | 132 | 134 | | | | | | | | | | | | | | |
| 45 | 68.6 | 68.8 | 69.9 | 69.5 | 69.2 | | | | | | | | | | | | | | |
| 50 | 55.1 | 55.0 | 55.0 | 54.8 | 54.6 | | | | | | | | | | | | | | |
| 55 | 48.0 | 47.9 | 47.9 | 47.6 | 47.5 | | | | | | | | | | | | | | |
| 60 | 41.5 | 41.4 | 41.4 | 41.1 | 41.0 | | | | | | | | | | | | | | |
| 65 | 35.5 | 35.4 | 35.3 | 35.1 | 35.0 | | | | | | | | | | | | | | |
| 70 | 29.4 | 29.3 | 29.3 | 29.1 | 29.0 | | | | | | | | | | | | | | |
| 75 | 23.0 | 23.0 | 23.0 | 22.8 | 22.7 | | | | | | | | | | | | | | |
| 80 | 15.8 | 15.9 | 16.1 | 16.0 | 16.0 | | | | | | | | | | | | | | |
| 85 | 7.76 | 7.88 | 8.17 | 8.15 | 8.28 | | | | | | | | | | | | | | |
| 90 | 0.00 | 0.01 | 0.00 | 0.03 | 0.07 | | | | | | | | | | | | | | |
| 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 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 125 | 0.11 | 0.08 | 0.09 | 0.05 | 0.06 | | | | | | | | | | | | | | |
| 130 | 0.34 | 0.31 | 0.31 | 0.28 | 0.30 | | | | | | | | | | | | | | |
| 135 | 0.62 | 0.57 | 0.60 | 0.54 | 0.56 | | | | | | | | | | | | | | |
| 140 | 0.91 | 0.86 | 0.88 | 0.84 | 0.84 | | | | | | | | | | | | | | |
| 145 | 1.19 | 1.14 | 1.16 | 1.11 | 1.11 | | | | | | | | | | | | | | |
| 150 | 1.44 | 1.40 | 1.42 | 1.37 | 1.38 | | | | | | | | | | | | | | |
| 155 | 1.64 | 1.59 | 1.62 | 1.58 | 1.59 | | | | | | | | | | | | | | |
| 160 | 1.71 | 1.69 | 1.69 | 1.68 | 1.69 | | | | | | | | | | | | | | |
| 165 | 1.70 | 1.70 | 1.69 | 1.69 | 1.68 | | | | | | | | | | | | | | |
| 170 | 1.69 | 1.69 | 1.69 | 1.68 | 1.67 | | | | | | | | | | | | | | |
| 175 | 1.75 | 1.72 | 1.76 | 1.70 | 1.71 | | | | | | | | | | | | | | |
| 180 | 1.80 | 1.80 | 1.81 | 1.80 | 1.79 | | | | | | | | | | | | | | |

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: