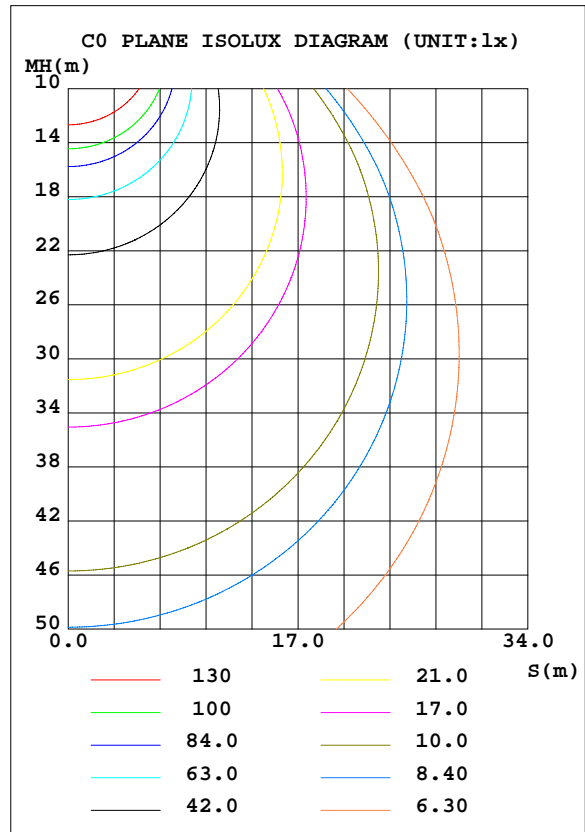
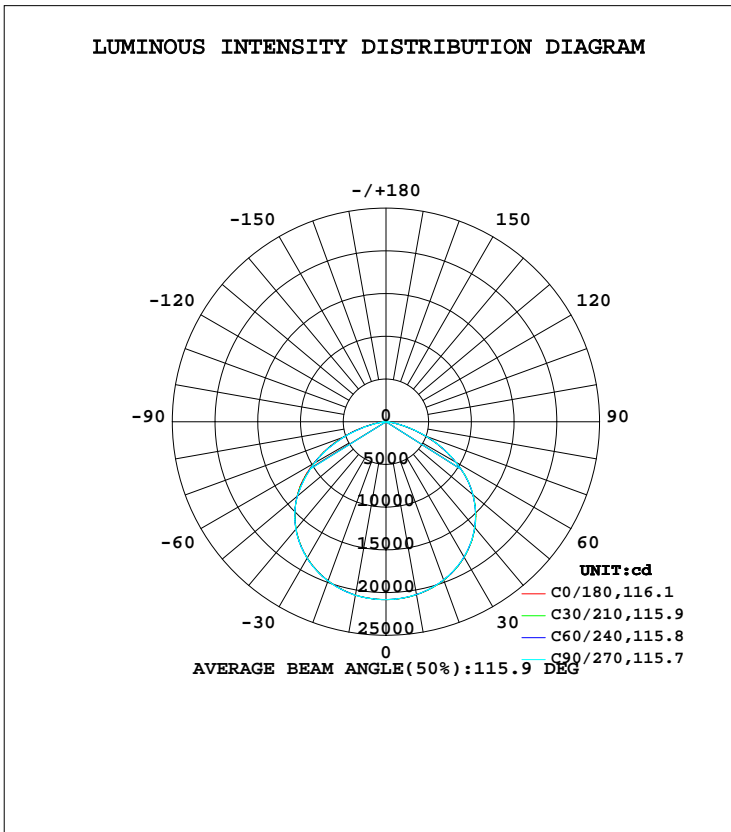


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

| DATA OF LAMP | | PHOTOMETRIC DATA Eff: 151.50 lm/W | | | |
|------------------|-----------------------|-----------------------------------|--------|--------------------|----------|
| MODEL | ASD-UHB7HV-400D50-PRM | max(cd) | 20818 | S/MH(C0/180) | 1.31 |
| NOMINAL POWER(W) | 400 | LOR(%) | 100.0 | S/MH(C90/270) | 1.32 |
| RATED VOLTAGE(V) | 200-480 | TOTAL FLUX(lm) | 60600 | η UP, DN(C0-180) | 0.0,49.7 |
| NOMINAL FLUX(lm) | 60600 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.1,50.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.1 | CIBSE SHR NOM | 1.50 |
| TEST VOLTAGE(V) | 347 | η down(%) | 99.9 | CIBSE SHR MAX | 1.50 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum, lamp |
|----------|---|--------|--------|--------|--------|--------|--------|--------|----------|-------------|--------------|------------|
| 10 | 2055 | 2055 | 2053 | 2054 | 2060 | 2061 | 2062 | 2061 | 0- 10 | 1975 | 1975 | 3.28,3.28 |
| 20 | 1974 | 1973 | 1971 | 1973 | 1980 | 1982 | 1984 | 1981 | 10- 20 | 5719 | 7694 | 12.8,12.8 |
| 30 | 1829 | 1830 | 1826 | 1831 | 1842 | 1843 | 1845 | 1841 | 20- 30 | 8828 | 16523 | 27.5,27.5 |
| 40 | 1618 | 1619 | 1615 | 1620 | 1638 | 1638 | 1641 | 1634 | 30- 40 | 10889 | 27412 | 45.6,45.6 |
| 50 | 1329 | 1329 | 1328 | 1336 | 1360 | 1354 | 1354 | 1348 | 40- 50 | 11521 | 38933 | 64.7,64.7 |
| 60 | 937.3 | 941.4 | 940.8 | 955.6 | 978.4 | 966.7 | 963.4 | 952.8 | 50- 60 | 10338 | 49271 | 81.9,81.9 |
| 70 | 488.9 | 498.5 | 500.5 | 517.9 | 541.9 | 526.4 | 517.7 | 507.0 | 60- 70 | 7299 | 56569 | 94.1,94.1 |
| 80 | 100.2 | 108.4 | 112.7 | 124.0 | 138.7 | 123.8 | 116.8 | 110.5 | 70- 80 | 3171 | 59740 | 99.3,99.3 |
| 90 | 0.1342 | 0.1244 | 0.2377 | 0.1242 | 0.3222 | 0.4663 | 0.3119 | 0.4047 | 80- 90 | 353.0 | 60093 | 99.9,99.9 |
| 100 | 0.2268 | 0.2210 | 0.2196 | 0.2176 | 0.5473 | 0.5565 | 0.5621 | 0.5759 | 90-100 | 3.381 | 60097 | 99.9,99.9 |
| 110 | 0.3468 | 0.3213 | 0.3345 | 0.3398 | 0.6632 | 0.6869 | 0.7033 | 0.7046 | 100-110 | 4.859 | 60102 | 99.9,99.9 |
| 120 | 0.5633 | 0.5046 | 0.5194 | 0.5270 | 0.7906 | 0.7757 | 0.7789 | 0.7718 | 110-120 | 5.684 | 60107 | 99.9,99.9 |
| 130 | 0.8165 | 0.7472 | 0.7559 | 0.7643 | 1.066 | 1.086 | 1.088 | 1.027 | 120-130 | 6.954 | 60114 | 100,100 |
| 140 | 1.015 | 0.9795 | 0.9897 | 0.9845 | 1.350 | 1.453 | 1.385 | 1.364 | 130-140 | 8.223 | 60123 | 100,100 |
| 150 | 1.093 | 1.094 | 1.070 | 1.098 | 1.603 | 1.724 | 1.681 | 1.658 | 140-150 | 8.050 | 60131 | 100,100 |
| 160 | 1.278 | 1.242 | 1.132 | 1.264 | 1.881 | 1.971 | 1.823 | 1.857 | 150-160 | 6.789 | 60137 | 100,100 |
| 170 | 1.418 | 1.453 | 1.359 | 1.384 | 1.873 | 1.957 | 1.828 | 1.791 | 160-170 | 4.533 | 60142 | 100,100 |
| 180 | 1.707 | 1.737 | 1.658 | 1.628 | 1.708 | 1.737 | 1.659 | 1.626 | 170-180 | 1.568 | 60143 | 100,100 |
| DEG | LUMINOUS INTENSITY: $\times 10$ cd Less than 35% Percent = 11.0 % | | | | | | | | | UNIT:lm | | |

Conical surface Flux(90deg): 33196 lm

%lum = 55.2%
 %lamp = 55.2%

Conical surface Flux(120deg): 49271 lm

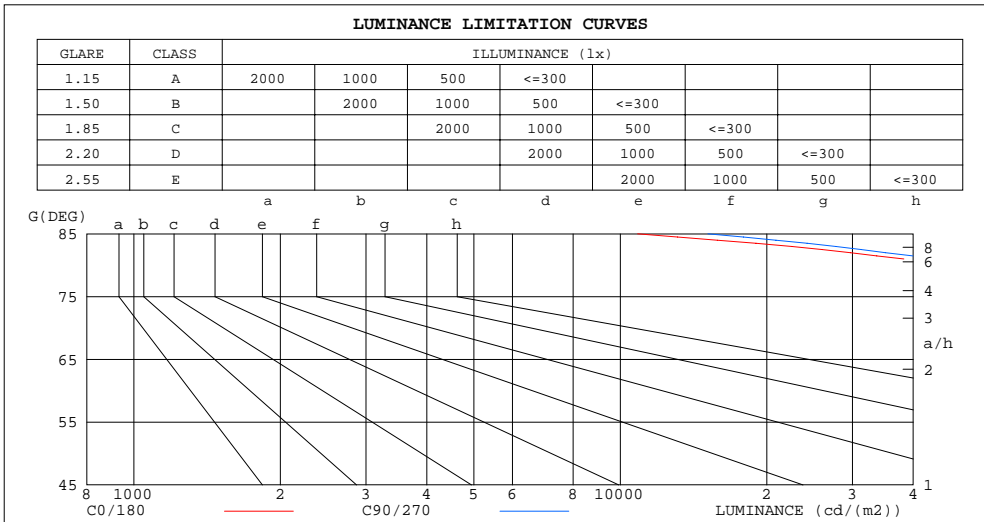
%lum = 81.9%
 %lamp = 81.9%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

LUMINANCE LIMITATION CURVES

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |



| LUMINANCE cd/(m2) | | |
|-------------------|--------|---------|
| G (DEG) | C0/180 | C90/270 |
| 85 | 10853 | 15142 |
| 80 | 46080 | 51660 |
| 75 | 83594 | 87805 |
| 70 | 114185 | 116471 |
| 65 | 135841 | 137131 |
| 60 | 149732 | 149748 |
| 55 | 160105 | 159814 |
| 50 | 165144 | 164421 |
| 45 | 167641 | 166707 |

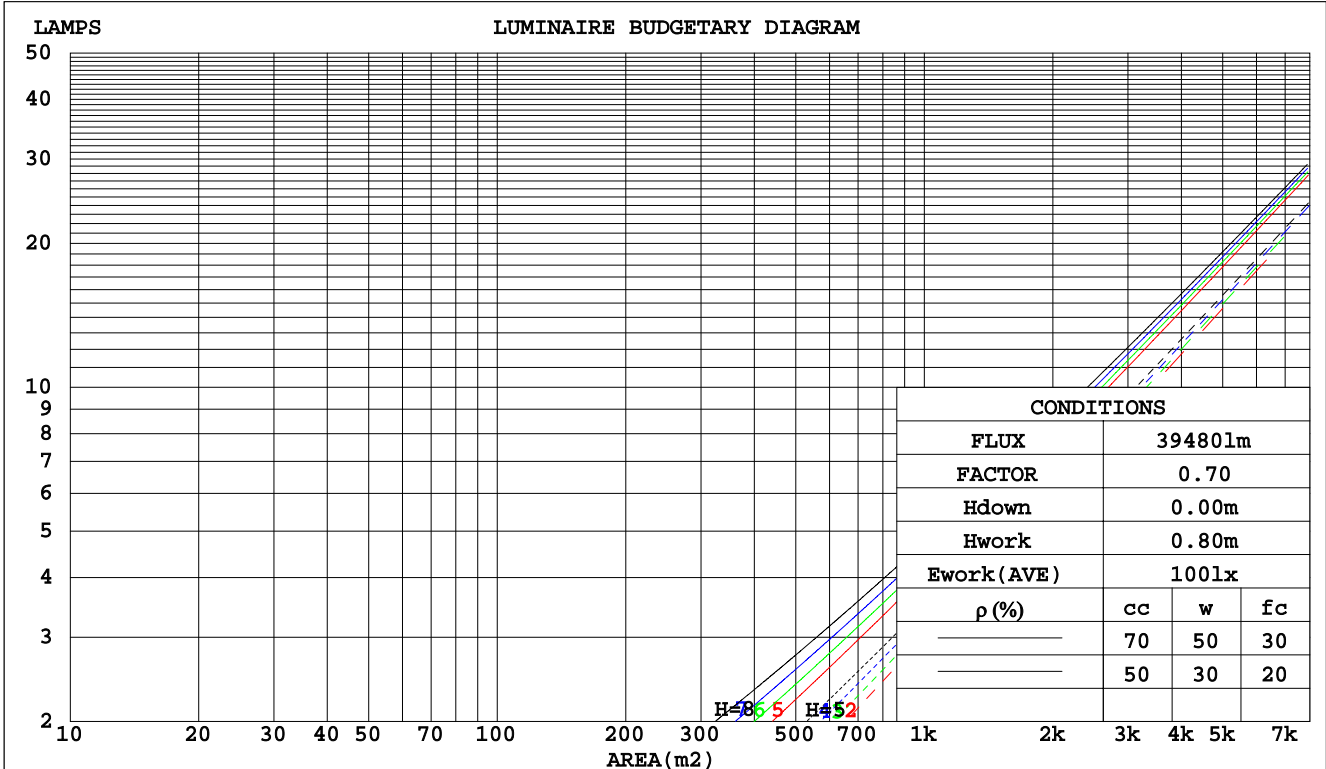
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Derek Lai
 Test Date: 11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0519]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding 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 | | | | | | 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 | 1.05 | 1.01 | .97 | 1.03 | .99 | .96 | .98 | .95 | .93 | .95 | .92 | .90 | .91 | .89 | .87 | .85 |
| 2.0 | .92 | .85 | .80 | .90 | .84 | .79 | .86 | .81 | .77 | .83 | .79 | .75 | .80 | .77 | .73 | .71 |
| 3.0 | .81 | .73 | .66 | .79 | .72 | .66 | .76 | .70 | .65 | .73 | .68 | .63 | .71 | .66 | .62 | .60 |
| 4.0 | .71 | .63 | .56 | .70 | .62 | .56 | .68 | .61 | .55 | .65 | .59 | .54 | .63 | .58 | .53 | .51 |
| 5.0 | .64 | .55 | .48 | .63 | .54 | .48 | .60 | .53 | .47 | .58 | .52 | .47 | .57 | .51 | .46 | .44 |
| 6.0 | .57 | .48 | .42 | .56 | .48 | .42 | .55 | .47 | .41 | .53 | .46 | .41 | .51 | .45 | .41 | .39 |
| 7.0 | .52 | .43 | .37 | .51 | .43 | .37 | .50 | .42 | .37 | .48 | .41 | .36 | .47 | .41 | .36 | .34 |
| 8.0 | .47 | .39 | .33 | .47 | .38 | .33 | .45 | .38 | .33 | .44 | .37 | .32 | .43 | .37 | .32 | .30 |
| 9.0 | .43 | .35 | .30 | .43 | .35 | .29 | .42 | .34 | .29 | .40 | .34 | .29 | .39 | .33 | .29 | .27 |
| 10.0 | .40 | .32 | .27 | .39 | .32 | .27 | .38 | .31 | .27 | .37 | .31 | .26 | .37 | .31 | .26 | .25 |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

WEC AND CCEC

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .289 | .164 | .052 | .282 | .161 | .051 | .268 | .154 | .049 | .256 | .148 | .047 | .245 | .142 | .046 | |
| 2.0 | .279 | .153 | .047 | .273 | .150 | .046 | .261 | .145 | .045 | .250 | .140 | .044 | .240 | .136 | .043 | |
| 3.0 | .262 | .139 | .042 | .256 | .137 | .041 | .246 | .133 | .041 | .236 | .130 | .040 | .228 | .126 | .039 | |
| 4.0 | .244 | .127 | .037 | .239 | .125 | .037 | .230 | .122 | .036 | .221 | .119 | .036 | .213 | .116 | .035 | |
| 5.0 | .227 | .115 | .033 | .222 | .114 | .033 | .214 | .111 | .033 | .207 | .109 | .032 | .199 | .107 | .032 | |
| 6.0 | .211 | .106 | .030 | .207 | .105 | .030 | .200 | .102 | .030 | .193 | .100 | .029 | .187 | .098 | .029 | |
| 7.0 | .197 | .097 | .028 | .193 | .096 | .027 | .187 | .095 | .027 | .181 | .093 | .027 | .175 | .091 | .027 | |
| 8.0 | .184 | .090 | .025 | .181 | .089 | .025 | .175 | .088 | .025 | .170 | .086 | .025 | .165 | .085 | .025 | |
| 9.0 | .173 | .084 | .023 | .170 | .083 | .023 | .165 | .082 | .023 | .160 | .080 | .023 | .155 | .079 | .023 | |
| 10.0 | .163 | .078 | .022 | .160 | .077 | .022 | .156 | .076 | .021 | .151 | .075 | .021 | .147 | .074 | .021 | |

| ρcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| ρw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .191 | .191 | .191 | .163 | .163 | .163 | .111 | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 | |
| 1.0 | .179 | .157 | .137 | .154 | .135 | .118 | .105 | .093 | .081 | .060 | .054 | .047 | .019 | .017 | .015 | |
| 2.0 | .171 | .133 | .100 | .147 | .114 | .087 | .100 | .079 | .060 | .058 | .046 | .035 | .019 | .015 | .012 | |
| 3.0 | .164 | .115 | .076 | .140 | .099 | .066 | .096 | .069 | .046 | .056 | .040 | .027 | .018 | .013 | .009 | |
| 4.0 | .156 | .102 | .060 | .134 | .088 | .052 | .092 | .061 | .037 | .053 | .036 | .022 | .017 | .012 | .007 | |
| 5.0 | .149 | .091 | .048 | .128 | .079 | .042 | .088 | .055 | .030 | .051 | .032 | .018 | .016 | .011 | .006 | |
| 6.0 | .142 | .083 | .040 | .122 | .072 | .035 | .084 | .050 | .025 | .049 | .029 | .015 | .016 | .010 | .005 | |
| 7.0 | .135 | .076 | .034 | .116 | .066 | .030 | .080 | .046 | .021 | .047 | .027 | .013 | .015 | .009 | .004 | |
| 8.0 | .129 | .070 | .030 | .111 | .061 | .026 | .077 | .043 | .018 | .045 | .025 | .011 | .014 | .008 | .004 | |
| 9.0 | .123 | .065 | .026 | .106 | .057 | .023 | .073 | .040 | .016 | .043 | .023 | .010 | .014 | .008 | .003 | |
| 10.0 | .117 | .061 | .023 | .101 | .053 | .020 | .070 | .037 | .014 | .041 | .022 | .009 | .013 | .007 | .003 | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|----------|----------------|------|------------------|------|------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | | | | | | | | | |
| NAME: LED High Bay | | | | | TYPE:LED | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.: | | | SERIAL No.: | | |
| MFR.: ASD Lighting corporation | | | | | SUR.: | | | Shielding 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 | 16.4 | 17.9 | 16.6 | 18.1 | 18.3 | 16.3 | 17.8 | 16.6 | 18.0 | 18.2 |
| 3H | 17.5 | 18.9 | 17.8 | 19.1 | 19.4 | 17.5 | 18.9 | 17.8 | 19.1 | 19.4 |
| 4H | 17.8 | 19.1 | 18.1 | 19.4 | 19.7 | 17.8 | 19.1 | 18.2 | 19.4 | 19.7 |
| 6H | 17.9 | 19.1 | 18.2 | 19.4 | 19.7 | 17.9 | 19.2 | 18.3 | 19.4 | 19.7 |
| 8H | 17.9 | 19.1 | 18.2 | 19.3 | 19.6 | 17.9 | 19.1 | 18.2 | 19.4 | 19.7 |
| 12H | 17.8 | 19.0 | 18.2 | 19.3 | 19.6 | 17.9 | 19.0 | 18.2 | 19.3 | 19.6 |
| 4H 2H | 16.9 | 18.2 | 17.2 | 18.4 | 18.7 | 16.9 | 18.2 | 17.2 | 18.4 | 18.7 |
| 3H | 18.2 | 19.3 | 18.5 | 19.6 | 19.9 | 18.2 | 19.3 | 18.5 | 19.6 | 19.9 |
| 4H | 18.6 | 19.6 | 18.9 | 19.9 | 20.3 | 18.6 | 19.6 | 19.0 | 19.9 | 20.3 |
| 6H | 18.7 | 19.6 | 19.1 | 20.0 | 20.3 | 18.7 | 19.6 | 19.1 | 20.0 | 20.4 |
| 8H | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 | 18.7 | 19.6 | 19.1 | 19.9 | 20.3 |
| 12H | 18.7 | 19.4 | 19.1 | 19.8 | 20.2 | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 |
| 8H 4H | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 | 18.7 | 19.5 | 19.1 | 19.9 | 20.3 |
| 6H | 18.9 | 19.6 | 19.3 | 20.0 | 20.4 | 18.9 | 19.6 | 19.3 | 20.0 | 20.4 |
| 8H | 18.9 | 19.5 | 19.3 | 19.9 | 20.4 | 18.9 | 19.5 | 19.4 | 19.9 | 20.4 |
| 12H | 18.8 | 19.4 | 19.3 | 19.8 | 20.3 | 18.9 | 19.4 | 19.4 | 19.9 | 20.3 |
| 12H 4H | 18.6 | 19.4 | 19.1 | 19.8 | 20.2 | 18.6 | 19.4 | 19.1 | 19.8 | 20.2 |
| 6H | 18.8 | 19.5 | 19.3 | 19.9 | 20.3 | 18.9 | 19.5 | 19.3 | 19.9 | 20.4 |
| 8H | 18.9 | 19.4 | 19.3 | 19.8 | 20.3 | 18.9 | 19.4 | 19.4 | 19.9 | 20.3 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |
| 1.5H | + 0.3 / - 0.5 | | | | | + 0.2 / - 0.5 | | | | |
| 2.0H | + 0.4 / - 0.4 | | | | | + 0.4 / - 0.4 | | | | |

CIE Pub.117, 60143 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 14.2)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

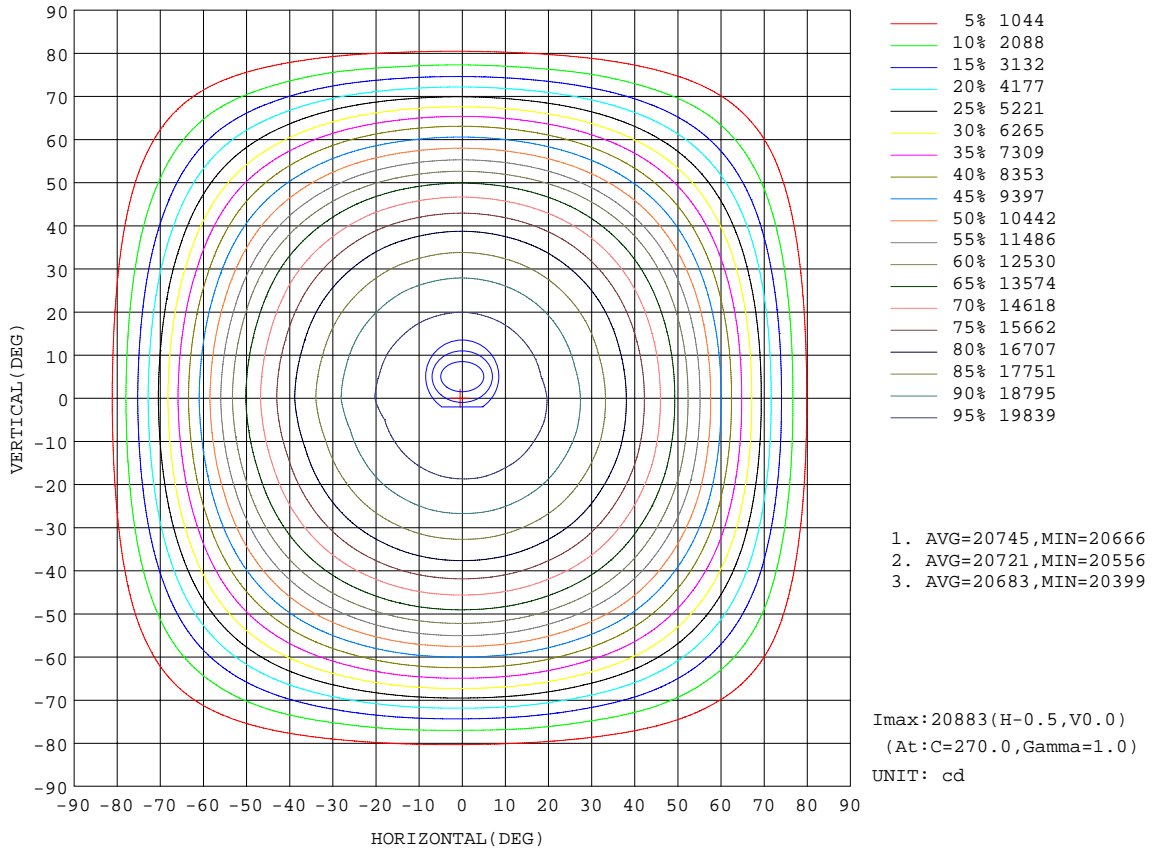
| REFLECTANCE | | | | | | | | | | |
|----------------------------------|---|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 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 | 58 | 46 | 39 | 57 | 46 | 39 | 56 | 45 | 39 | 33 |
| 0.80 | 68 | 57 | 49 | 67 | 56 | 49 | 65 | 55 | 49 | 42 |
| 1.00 | 77 | 66 | 59 | 76 | 65 | 59 | 73 | 67 | 58 | 51 |
| 1.25 | 84 | 74 | 67 | 83 | 73 | 67 | 80 | 72 | 66 | 59 |
| 1.50 | 89 | 80 | 73 | 88 | 79 | 72 | 85 | 77 | 71 | 64 |
| 2.00 | 96 | 88 | 82 | 94 | 87 | 81 | 91 | 84 | 79 | 72 |
| 2.50 | 100 | 92 | 87 | 98 | 91 | 86 | 94 | 88 | 84 | 76 |
| 3.00 | 103 | 97 | 91 | 101 | 95 | 90 | 97 | 92 | 88 | 80 |
| 4.00 | 107 | 102 | 97 | 105 | 100 | 96 | 101 | 97 | 93 | 85 |
| 5.00 | 109 | 105 | 101 | 107 | 103 | 100 | 103 | 99 | 96 | 87 |
| 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:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

ISOCANDELA DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

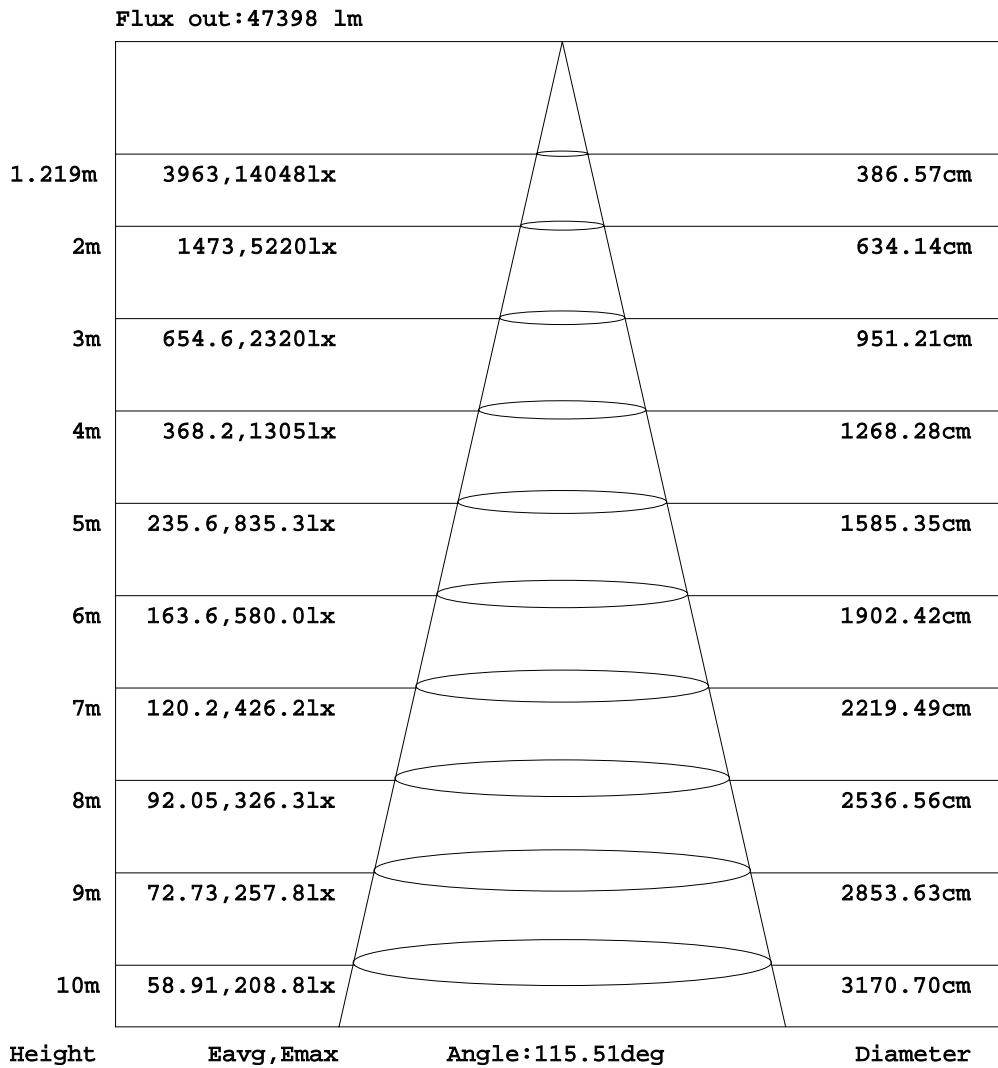


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Derek Lai
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0519]
 Remarks:

AAI Figure

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |



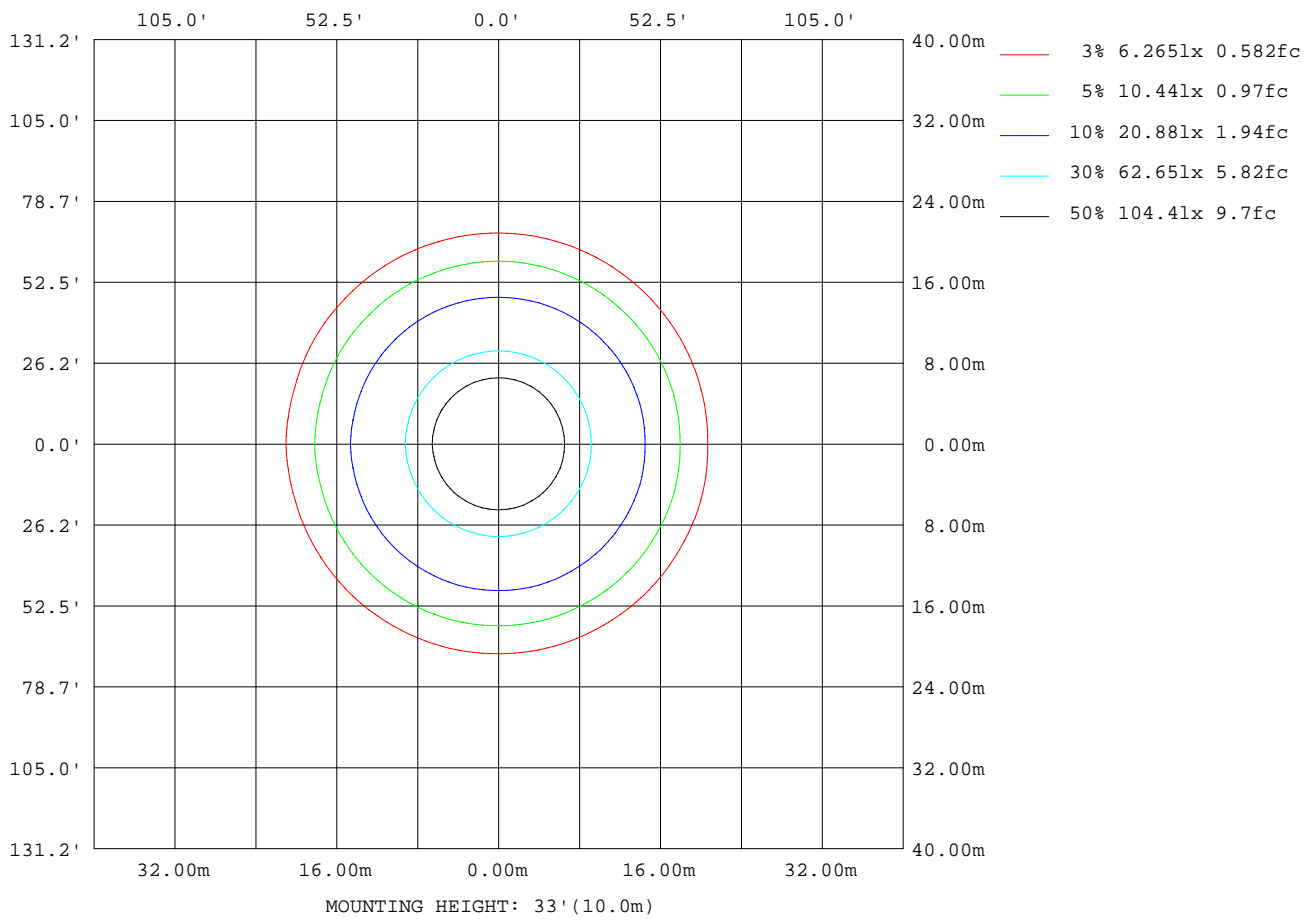
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

ISOLUX DIAGRAM

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

LED Avg.L Report

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

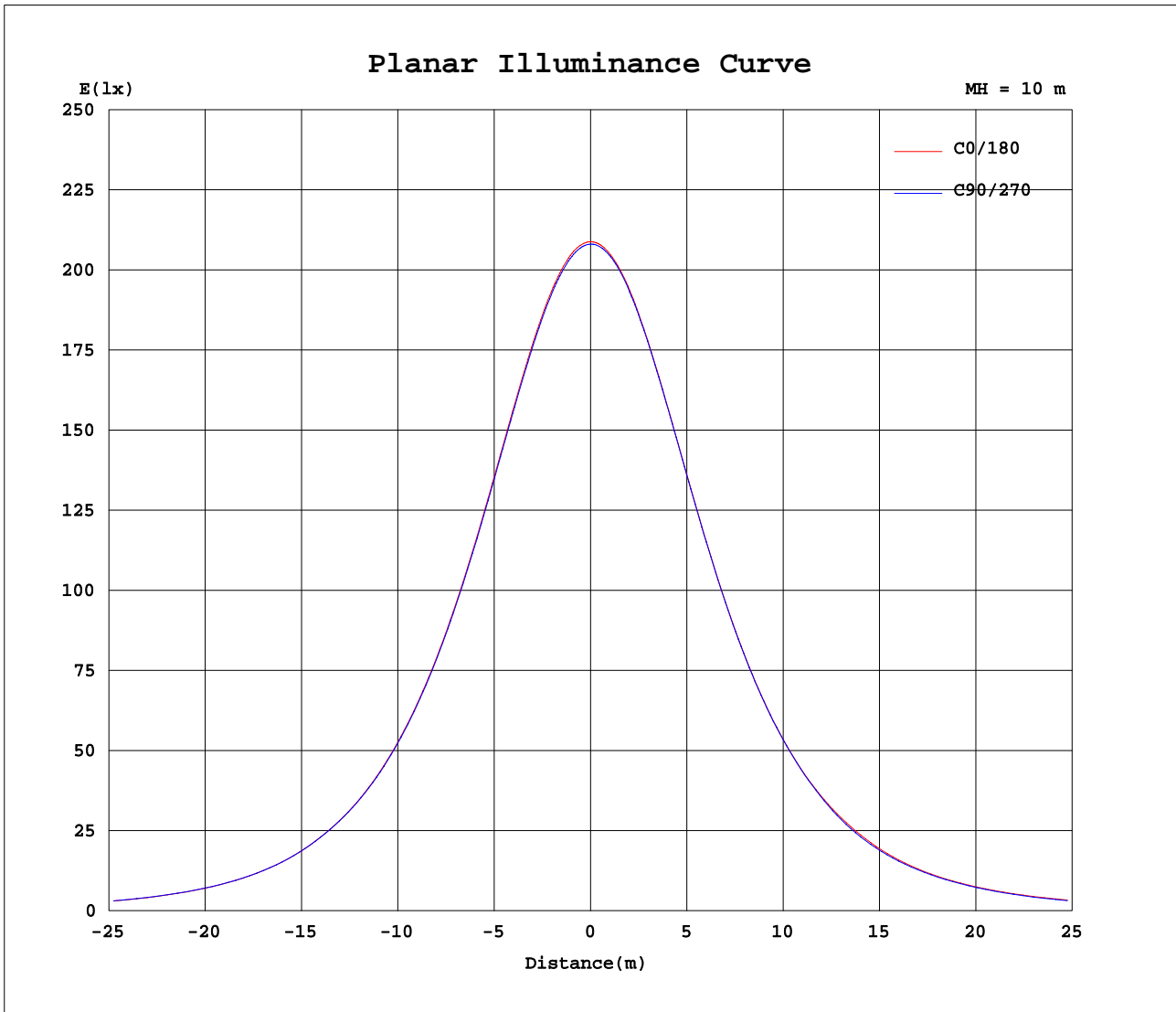
| AvgL | cd/m2 |
|----------------|--------|
| L_0~180(65)av | 140032 |
| L_0~180(75)av | 91324 |
| L_0~180(85)av | 18226 |
| L_90~270(65)av | 139077 |
| L_90~270(75)av | 89663 |
| L_90~270(85)av | 15361 |
| L_45(65)av | 139874 |
| L_45(75)av | 90650 |
| L_45(85)av | 16040 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Derek Lai
Test Date: 11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
Humidity: 40.9%
Test Distance: 2.500m [K=1.0519]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

Table--1

UNIT: x10cd

| C(DEG) γ (DEG) | 0 | 15 | 30 | 45 | 60 | 75 | 90 | 105 | 120 | 135 | 150 | 165 | 180 | 195 | 210 | 225 | 240 | 255 | 270 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 | 2081 |
| 5 | 2075 | 2075 | 2075 | 2075 | 2073 | 2074 | 2073 | 2074 | 2074 | 2074 | 2074 | 2075 | 2076 | 2076 | 2077 | 2077 | 2077 | 2077 | 2078 |
| 10 | 2055 | 2056 | 2055 | 2055 | 2054 | 2054 | 2053 | 2053 | 2053 | 2054 | 2054 | 2056 | 2060 | 2058 | 2061 | 2061 | 2062 | 2062 | 2062 |
| 15 | 2022 | 2023 | 2022 | 2022 | 2019 | 2020 | 2019 | 2020 | 2019 | 2020 | 2021 | 2023 | 2026 | 2025 | 2028 | 2028 | 2029 | 2029 | 2029 |
| 20 | 1974 | 1976 | 1974 | 1973 | 1971 | 1971 | 1971 | 1971 | 1971 | 1973 | 1973 | 1976 | 1980 | 1978 | 1982 | 1982 | 1983 | 1983 | 1984 |
| 25 | 1909 | 1912 | 1910 | 1910 | 1907 | 1907 | 1906 | 1907 | 1907 | 1909 | 1910 | 1912 | 1919 | 1916 | 1921 | 1920 | 1923 | 1921 | 1923 |
| 30 | 1829 | 1833 | 1830 | 1830 | 1827 | 1827 | 1826 | 1827 | 1828 | 1831 | 1832 | 1835 | 1842 | 1839 | 1843 | 1843 | 1846 | 1844 | 1845 |
| 35 | 1732 | 1737 | 1733 | 1734 | 1730 | 1731 | 1730 | 1731 | 1732 | 1735 | 1736 | 1740 | 1749 | 1744 | 1749 | 1749 | 1752 | 1751 | 1751 |
| 40 | 1618 | 1623 | 1619 | 1619 | 1615 | 1616 | 1615 | 1617 | 1618 | 1620 | 1622 | 1628 | 1638 | 1632 | 1638 | 1638 | 1640 | 1640 | 1641 |
| 45 | 1484 | 1490 | 1484 | 1484 | 1480 | 1482 | 1481 | 1483 | 1484 | 1488 | 1490 | 1497 | 1508 | 1502 | 1507 | 1507 | 1510 | 1510 | 1511 |
| 50 | 1329 | 1336 | 1329 | 1329 | 1326 | 1327 | 1328 | 1331 | 1332 | 1336 | 1340 | 1346 | 1360 | 1352 | 1358 | 1354 | 1355 | 1354 | 1354 |
| 55 | 1150 | 1159 | 1152 | 1153 | 1149 | 1152 | 1152 | 1156 | 1157 | 1163 | 1168 | 1174 | 1185 | 1170 | 1171 | 1165 | 1165 | 1161 | 1160 |
| 60 | 937 | 947 | 940 | 941 | 938 | 942 | 941 | 947 | 949 | 956 | 959 | 965 | 978 | 966 | 971 | 967 | 968 | 963 | 963 |
| 65 | 719 | 730 | 725 | 727 | 724 | 728 | 728 | 734 | 737 | 744 | 748 | 752 | 768 | 756 | 763 | 758 | 755 | 749 | 748 |
| 70 | 489 | 500 | 494 | 498 | 495 | 500 | 501 | 506 | 511 | 518 | 521 | 527 | 542 | 528 | 531 | 526 | 525 | 520 | 518 |
| 75 | 271 | 284 | 278 | 284 | 280 | 287 | 286 | 292 | 295 | 302 | 305 | 310 | 323 | 309 | 313 | 306 | 306 | 300 | 297 |
| 80 | 100 | 109 | 106 | 108 | 109 | 111 | 113 | 117 | 118 | 124 | 124 | 130 | 139 | 127 | 129 | 124 | 124 | 117 | 117 |
| 85 | 11.8 | 14.6 | 13.7 | 15.2 | 14.9 | 16.6 | 16.6 | 18.3 | 18.4 | 22.3 | 20.0 | 23.3 | 28.1 | 20.0 | 23.1 | 18.7 | 21.2 | 17.0 | 17.0 |
| 90 | 0.13 | 0.13 | 0.26 | 0.12 | 0.50 | 0.12 | 0.24 | 0.12 | 0.62 | 0.12 | 0.70 | 0.12 | 0.32 | 0.67 | 0.31 | 0.47 | 0.31 | 0.53 | 0.31 |
| 95 | 0.18 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.17 | 0.16 | 0.43 | 0.43 | 0.43 | 0.44 | 0.43 | 0.44 | 0.44 |
| 100 | 0.23 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.21 | 0.55 | 0.55 | 0.55 | 0.56 | 0.56 | 0.56 | 0.56 |
| 105 | 0.28 | 0.28 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.27 | 0.64 | 0.64 | 0.64 | 0.65 | 0.66 | 0.66 | 0.66 |
| 110 | 0.35 | 0.34 | 0.33 | 0.32 | 0.33 | 0.33 | 0.33 | 0.34 | 0.34 | 0.34 | 0.34 | 0.33 | 0.66 | 0.67 | 0.68 | 0.69 | 0.69 | 0.70 | 0.70 |
| 115 | 0.45 | 0.42 | 0.41 | 0.40 | 0.41 | 0.42 | 0.42 | 0.42 | 0.43 | 0.43 | 0.42 | 0.42 | 0.70 | 0.70 | 0.70 | 0.71 | 0.72 | 0.73 | 0.73 |
| 120 | 0.56 | 0.54 | 0.53 | 0.50 | 0.52 | 0.51 | 0.52 | 0.52 | 0.53 | 0.53 | 0.54 | 0.53 | 0.79 | 0.79 | 0.77 | 0.78 | 0.77 | 0.78 | 0.78 |
| 125 | 0.70 | 0.67 | 0.65 | 0.64 | 0.65 | 0.62 | 0.63 | 0.63 | 0.64 | 0.65 | 0.66 | 0.65 | 0.91 | 0.92 | 0.89 | 0.91 | 0.89 | 0.90 | 0.90 |
| 130 | 0.82 | 0.80 | 0.79 | 0.75 | 0.79 | 0.78 | 0.76 | 0.75 | 0.77 | 0.76 | 0.79 | 0.79 | 1.07 | 1.10 | 1.10 | 1.09 | 1.09 | 1.08 | 1.09 |
| 135 | 0.94 | 0.92 | 0.91 | 0.85 | 0.88 | 0.91 | 0.90 | 0.89 | 0.88 | 0.88 | 0.89 | 0.91 | 1.22 | 1.26 | 1.27 | 1.30 | 1.28 | 1.26 | 1.26 |
| 140 | 1.01 | 1.02 | 0.99 | 0.98 | 0.98 | 1.01 | 0.99 | 0.98 | 0.97 | 0.98 | 0.95 | 0.98 | 1.35 | 1.39 | 1.41 | 1.45 | 1.45 | 1.42 | 1.38 |
| 145 | 1.05 | 1.08 | 1.06 | 1.03 | 1.06 | 1.05 | 1.04 | 1.04 | 1.05 | 1.03 | 1.01 | 1.03 | 1.49 | 1.52 | 1.53 | 1.58 | 1.60 | 1.57 | 1.57 |
| 150 | 1.09 | 1.13 | 1.13 | 1.09 | 1.06 | 1.09 | 1.07 | 1.08 | 1.09 | 1.10 | 1.07 | 1.08 | 1.60 | 1.62 | 1.65 | 1.72 | 1.72 | 1.70 | 1.68 |
| 155 | 1.18 | 1.22 | 1.24 | 1.15 | 1.12 | 1.15 | 1.09 | 1.15 | 1.16 | 1.17 | 1.20 | 1.13 | 1.72 | 1.74 | 1.83 | 1.84 | 1.83 | 1.81 | 1.76 |
| 160 | 1.28 | 1.31 | 1.29 | 1.24 | 1.17 | 1.17 | 1.13 | 1.21 | 1.24 | 1.26 | 1.27 | 1.24 | 1.88 | 1.89 | 1.93 | 1.97 | 1.93 | 1.89 | 1.82 |
| 165 | 1.33 | 1.37 | 1.36 | 1.36 | 1.27 | 1.27 | 1.24 | 1.29 | 1.35 | 1.34 | 1.31 | 1.31 | 1.88 | 1.91 | 1.95 | 2.00 | 1.98 | 1.91 | 1.87 |
| 170 | 1.42 | 1.46 | 1.46 | 1.45 | 1.34 | 1.35 | 1.36 | 1.32 | 1.39 | 1.38 | 1.38 | 1.39 | 1.87 | 1.90 | 1.94 | 1.96 | 1.93 | 1.83 | 1.83 |
| 175 | 1.61 | 1.63 | 1.63 | 1.63 | 1.54 | 1.52 | 1.48 | 1.47 | 1.52 | 1.53 | 1.54 | 1.57 | 1.84 | 1.87 | 1.88 | 1.85 | 1.85 | 1.75 | 1.71 |
| 180 | 1.71 | 1.74 | 1.74 | 1.74 | 1.69 | 1.66 | 1.66 | 1.57 | 1.60 | 1.63 | 1.63 | 1.68 | 1.71 | 1.74 | 1.74 | 1.74 | 1.69 | 1.66 | 1.66 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|----------|------------------|
| Test:U:347.0V I:1.1527 A P:400 W PF:0.9794 Freq:60.00Hz Lamp Flux:60600 x1 lm | | |
| NAME: LED High Bay | TYPE:LED | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.: |
| MFR.: ASD Lighting corporation | SUR.: | Shielding Angle: |

Table--2

UNIT: x10cd

| C(DEG) γ (DEG) | 285 | 300 | 315 | 330 | 345 | | | | | | | | | | | | | | |
|-------------------|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 0 | 2081 | 2081 | 2081 | 2081 | 2081 | | | | | | | | | | | | | | |
| 5 | 2077 | 2077 | 2077 | 2076 | 2076 | | | | | | | | | | | | | | |
| 10 | 2061 | 2061 | 2061 | 2060 | 2059 | | | | | | | | | | | | | | |
| 15 | 2029 | 2029 | 2027 | 2026 | 2025 | | | | | | | | | | | | | | |
| 20 | 1983 | 1982 | 1981 | 1980 | 1978 | | | | | | | | | | | | | | |
| 25 | 1922 | 1921 | 1919 | 1918 | 1914 | | | | | | | | | | | | | | |
| 30 | 1844 | 1843 | 1841 | 1839 | 1836 | | | | | | | | | | | | | | |
| 35 | 1750 | 1749 | 1746 | 1745 | 1741 | | | | | | | | | | | | | | |
| 40 | 1639 | 1637 | 1634 | 1632 | 1627 | | | | | | | | | | | | | | |
| 45 | 1507 | 1505 | 1500 | 1498 | 1494 | | | | | | | | | | | | | | |
| 50 | 1352 | 1351 | 1348 | 1345 | 1340 | | | | | | | | | | | | | | |
| 55 | 1159 | 1159 | 1159 | 1163 | 1162 | | | | | | | | | | | | | | |
| 60 | 959 | 956 | 953 | 952 | 948 | | | | | | | | | | | | | | |
| 65 | 745 | 744 | 740 | 738 | 732 | | | | | | | | | | | | | | |
| 70 | 512 | 510 | 507 | 505 | 502 | | | | | | | | | | | | | | |
| 75 | 293 | 291 | 287 | 288 | 282 | | | | | | | | | | | | | | |
| 80 | 114 | 114 | 111 | 110 | 109 | | | | | | | | | | | | | | |
| 85 | 15.4 | 15.3 | 14.1 | 14.4 | 13.5 | | | | | | | | | | | | | | |
| 90 | 0.44 | 0.32 | 0.40 | 0.32 | 0.36 | | | | | | | | | | | | | | |
| 95 | 0.44 | 0.45 | 0.45 | 0.45 | 0.46 | | | | | | | | | | | | | | |
| 100 | 0.57 | 0.57 | 0.58 | 0.58 | 0.58 | | | | | | | | | | | | | | |
| 105 | 0.67 | 0.67 | 0.67 | 0.67 | 0.67 | | | | | | | | | | | | | | |
| 110 | 0.70 | 0.70 | 0.70 | 0.69 | 0.69 | | | | | | | | | | | | | | |
| 115 | 0.73 | 0.73 | 0.72 | 0.71 | 0.72 | | | | | | | | | | | | | | |
| 120 | 0.78 | 0.77 | 0.77 | 0.78 | 0.80 | | | | | | | | | | | | | | |
| 125 | 0.89 | 0.86 | 0.87 | 0.87 | 0.91 | | | | | | | | | | | | | | |
| 130 | 1.07 | 1.04 | 1.03 | 1.06 | 1.08 | | | | | | | | | | | | | | |
| 135 | 1.22 | 1.19 | 1.20 | 1.21 | 1.23 | | | | | | | | | | | | | | |
| 140 | 1.35 | 1.36 | 1.36 | 1.35 | 1.38 | | | | | | | | | | | | | | |
| 145 | 1.50 | 1.51 | 1.51 | 1.49 | 1.51 | | | | | | | | | | | | | | |
| 150 | 1.66 | 1.63 | 1.66 | 1.65 | 1.63 | | | | | | | | | | | | | | |
| 155 | 1.77 | 1.77 | 1.76 | 1.83 | 1.75 | | | | | | | | | | | | | | |
| 160 | 1.83 | 1.83 | 1.86 | 1.91 | 1.89 | | | | | | | | | | | | | | |
| 165 | 1.84 | 1.82 | 1.85 | 1.88 | 1.89 | | | | | | | | | | | | | | |
| 170 | 1.82 | 1.73 | 1.79 | 1.84 | 1.83 | | | | | | | | | | | | | | |
| 175 | 1.73 | 1.66 | 1.75 | 1.78 | 1.80 | | | | | | | | | | | | | | |
| 180 | 1.57 | 1.60 | 1.63 | 1.63 | 1.68 | | | | | | | | | | | | | | |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks:

Photometric Data Table [cd]

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| G/C | 0.0 | 15.0 | 30.0 | 45.0 | 60.0 | 75.0 | 90.0 | 105.0 | 120.0 | 135.0 |
| 0.0 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 |
| 2.5 | 20796 | 20796 | 20797 | 20795 | 20789 | 20792 | 20789 | 20790 | 20790 | 20792 |
| 5.0 | 20750 | 20746 | 20750 | 20746 | 20735 | 20741 | 20735 | 20736 | 20737 | 20742 |
| 7.5 | 20666 | 20667 | 20667 | 20663 | 20652 | 20658 | 20647 | 20649 | 20652 | 20656 |
| 10.0 | 20553 | 20559 | 20551 | 20547 | 20537 | 20540 | 20530 | 20531 | 20530 | 20540 |
| 12.5 | 20406 | 20417 | 20401 | 20400 | 20383 | 20388 | 20379 | 20381 | 20379 | 20394 |
| 15.0 | 20216 | 20233 | 20216 | 20216 | 20192 | 20202 | 20193 | 20196 | 20194 | 20203 |
| 17.5 | 19998 | 20011 | 19992 | 19993 | 19964 | 19975 | 19966 | 19969 | 19971 | 19980 |
| 20.0 | 19736 | 19755 | 19735 | 19733 | 19705 | 19715 | 19707 | 19710 | 19711 | 19725 |
| 22.5 | 19438 | 19458 | 19434 | 19433 | 19407 | 19416 | 19404 | 19412 | 19408 | 19425 |
| 25.0 | 19093 | 19123 | 19097 | 19095 | 19067 | 19074 | 19061 | 19072 | 19074 | 19094 |
| 27.5 | 18719 | 18746 | 18715 | 18715 | 18689 | 18696 | 18683 | 18696 | 18697 | 18722 |
| 30.0 | 18294 | 18331 | 18297 | 18298 | 18269 | 18275 | 18261 | 18275 | 18283 | 18306 |
| 32.5 | 17833 | 17867 | 17834 | 17839 | 17805 | 17814 | 17800 | 17815 | 17824 | 17848 |
| 35.0 | 17324 | 17366 | 17327 | 17336 | 17299 | 17309 | 17297 | 17311 | 17320 | 17350 |
| 37.5 | 16778 | 16818 | 16782 | 16785 | 16748 | 16758 | 16749 | 16767 | 16769 | 16800 |
| 40.0 | 16182 | 16227 | 16185 | 16188 | 16151 | 16161 | 16147 | 16168 | 16176 | 16205 |
| 42.5 | 15537 | 15591 | 15541 | 15541 | 15499 | 15513 | 15506 | 15528 | 15527 | 15562 |
| 45.0 | 14841 | 14903 | 14842 | 14840 | 14798 | 14818 | 14811 | 14834 | 14842 | 14876 |
| 47.5 | 14093 | 14153 | 14085 | 14089 | 14053 | 14069 | 14068 | 14096 | 14101 | 14142 |
| 50.0 | 13290 | 13357 | 13291 | 13292 | 13256 | 13275 | 13279 | 13309 | 13318 | 13361 |
| 52.5 | 12434 | 12508 | 12438 | 12448 | 12414 | 12438 | 12435 | 12473 | 12473 | 12540 |
| 55.0 | 11497 | 11594 | 11524 | 11534 | 11492 | 11524 | 11518 | 11557 | 11569 | 11627 |
| 57.5 | 10446 | 10560 | 10470 | 10492 | 10446 | 10483 | 10467 | 10519 | 10545 | 10607 |
| 60.0 | 9373 | 9475 | 9401 | 9414 | 9377 | 9419 | 9408 | 9469 | 9490 | 9556 |
| 62.5 | 8288 | 8388 | 8338 | 8348 | 8313 | 8361 | 8351 | 8414 | 8435 | 8511 |
| 65.0 | 7187 | 7298 | 7248 | 7275 | 7236 | 7282 | 7282 | 7339 | 7365 | 7441 |
| 67.5 | 6069 | 6190 | 6147 | 6179 | 6138 | 6184 | 6182 | 6246 | 6275 | 6358 |
| 70.0 | 4889 | 5003 | 4943 | 4985 | 4951 | 5002 | 5005 | 5062 | 5107 | 5179 |
| 72.5 | 3779 | 3888 | 3842 | 3873 | 3862 | 3904 | 3918 | 3971 | 4007 | 4066 |
| 75.0 | 2709 | 2840 | 2783 | 2838 | 2802 | 2867 | 2855 | 2918 | 2947 | 3017 |
| 77.5 | 1764 | 1898 | 1836 | 1890 | 1861 | 1923 | 1913 | 1989 | 2002 | 2072 |
| 80.0 | 1002 | 1086 | 1063 | 1084 | 1089 | 1114 | 1127 | 1169 | 1175 | 1240 |
| 82.5 | 423.9 | 493.2 | 461.7 | 494.5 | 479.8 | 519.5 | 512.4 | 556.3 | 553.0 | 602.1 |
| 85.0 | 118.4 | 146.2 | 137.1 | 151.9 | 149.4 | 165.7 | 165.8 | 182.7 | 184.0 | 222.7 |
| 87.5 | 24.84 | 36.15 | 34.46 | 40.50 | 48.03 | 46.03 | 54.17 | 49.54 | 53.54 | 51.39 |
| 90.0 | 1.342 | 1.251 | 2.593 | 1.244 | 4.989 | 1.220 | 2.377 | 1.216 | 6.159 | 1.242 |
| 92.5 | 1.515 | 1.476 | 1.497 | 1.477 | 1.479 | 1.447 | 1.450 | 1.428 | 1.433 | 1.420 |
| 95.0 | 1.761 | 1.718 | 1.737 | 1.722 | 1.726 | 1.693 | 1.698 | 1.673 | 1.678 | 1.662 |
| 97.5 | 2.010 | 1.969 | 1.974 | 1.966 | 1.977 | 1.941 | 1.943 | 1.921 | 1.929 | 1.913 |
| 100.0 | 2.268 | 2.231 | 2.214 | 2.210 | 2.213 | 2.192 | 2.196 | 2.174 | 2.185 | 2.176 |
| 102.5 | 2.540 | 2.508 | 2.457 | 2.454 | 2.457 | 2.456 | 2.458 | 2.436 | 2.447 | 2.453 |
| 105.0 | 2.799 | 2.761 | 2.693 | 2.674 | 2.709 | 2.708 | 2.690 | 2.683 | 2.718 | 2.712 |
| 107.5 | 3.091 | 3.033 | 2.974 | 2.921 | 2.997 | 2.978 | 2.988 | 2.981 | 3.022 | 3.014 |
| 110.0 | 3.468 | 3.367 | 3.311 | 3.213 | 3.326 | 3.338 | 3.345 | 3.353 | 3.391 | 3.398 |
| 112.5 | 3.893 | 3.691 | 3.696 | 3.550 | 3.634 | 3.740 | 3.747 | 3.759 | 3.813 | 3.796 |
| 115.0 | 4.458 | 4.175 | 4.147 | 3.990 | 4.096 | 4.185 | 4.195 | 4.227 | 4.275 | 4.261 |
| 117.5 | 5.013 | 4.781 | 4.694 | 4.501 | 4.651 | 4.675 | 4.679 | 4.716 | 4.761 | 4.751 |
| 120.0 | 5.633 | 5.406 | 5.299 | 5.046 | 5.222 | 5.108 | 5.194 | 5.230 | 5.280 | 5.270 |
| 122.5 | 6.340 | 6.062 | 5.933 | 5.674 | 5.846 | 5.565 | 5.732 | 5.759 | 5.814 | 5.793 |
| 125.0 | 6.997 | 6.738 | 6.455 | 6.360 | 6.497 | 6.221 | 6.288 | 6.306 | 6.350 | 6.478 |
| 127.5 | 7.552 | 7.343 | 7.173 | 6.946 | 7.194 | 7.001 | 6.895 | 6.887 | 6.954 | 7.117 |
| 130.0 | 8.165 | 7.982 | 7.934 | 7.472 | 7.915 | 7.784 | 7.559 | 7.525 | 7.716 | 7.643 |
| 132.5 | 8.797 | 8.610 | 8.492 | 8.024 | 8.371 | 8.603 | 8.344 | 8.313 | 8.334 | 8.240 |
| 135.0 | 9.352 | 9.214 | 9.053 | 8.481 | 8.770 | 9.150 | 8.982 | 8.934 | 8.847 | 8.804 |
| 137.5 | 9.784 | 9.776 | 9.555 | 9.266 | 9.355 | 9.624 | 9.528 | 9.357 | 9.312 | 9.324 |
| 140.0 | 10.15 | 10.23 | 9.923 | 9.795 | 9.789 | 10.06 | 9.897 | 9.785 | 9.727 | 9.845 |
| 142.5 | 10.31 | 10.53 | 10.30 | 9.985 | 10.25 | 10.32 | 10.14 | 10.13 | 10.17 | 10.14 |
| 145.0 | 10.45 | 10.79 | 10.65 | 10.33 | 10.58 | 10.49 | 10.36 | 10.41 | 10.54 | 10.30 |
| 147.5 | 10.64 | 11.04 | 10.89 | 10.66 | 10.62 | 10.71 | 10.53 | 10.68 | 10.72 | 10.61 |
| 150.0 | 10.93 | 11.32 | 11.29 | 10.94 | 10.61 | 10.93 | 10.70 | 10.84 | 10.90 | 10.98 |
| 152.5 | 11.39 | 11.78 | 11.90 | 11.27 | 10.83 | 11.10 | 10.91 | 11.12 | 11.27 | 11.39 |
| 155.0 | 11.77 | 12.23 | 12.40 | 11.50 | 11.22 | 11.47 | 10.94 | 11.46 | 11.63 | 11.72 |
| 157.5 | 12.37 | 12.71 | 12.79 | 11.86 | 11.41 | 11.61 | 11.09 | 11.85 | 12.02 | 12.14 |
| 160.0 | 12.78 | 13.06 | 12.90 | 12.42 | 11.66 | 11.70 | 11.32 | 12.11 | 12.41 | 12.64 |
| 162.5 | 12.90 | 13.24 | 13.12 | 12.93 | 12.02 | 11.92 | 11.59 | 12.35 | 12.78 | 13.00 |
| 165.0 | 13.32 | 13.74 | 13.59 | 13.57 | 12.69 | 12.65 | 12.44 | 12.87 | 13.46 | 13.43 |
| 167.5 | 13.88 | 14.33 | 14.23 | 14.22 | 13.34 | 13.30 | 13.18 | 13.47 | 14.01 | 13.84 |
| 170.0 | 14.18 | 14.59 | 14.61 | 14.53 | 13.36 | 13.48 | 13.59 | 13.24 | 13.95 | 13.84 |
| 172.5 | 14.51 | 14.84 | 14.84 | 14.87 | 13.77 | 13.86 | 13.81 | 13.29 | 14.08 | 14.01 |
| 175.0 | 16.07 | 16.33 | 16.33 | 16.32 | 15.39 | 15.24 | 14.77 | 14.67 | 15.23 | 15.30 |
| 177.5 | 16.67 | 17.20 | 17.02 | 17.06 | 16.24 | 16.22 | 15.58 | 15.23 | 15.95 | 15.90 |
| 180.0 | 17.07 | 17.39 | 17.44 | 17.37 | 16.91 | 16.64 | 16.58 | 15.71 | 15.97 | 16.28 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Derek Lai
 Test Date: 11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0519]
 Remarks:

Photometric Data Table [cd]

| G/C | 150.0 | 165.0 | 180.0 | 195.0 | 210.0 | 225.0 | 240.0 | 255.0 | 270.0 | 285.0 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0.0 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 | 20815 |
| 2.5 | 20793 | 20796 | 20804 | 20800 | 20806 | 20807 | 20807 | 20807 | 20809 | 20807 |
| 5.0 | 20740 | 20750 | 20761 | 20755 | 20769 | 20768 | 20772 | 20773 | 20778 | 20770 |
| 7.5 | 20657 | 20669 | 20693 | 20686 | 20704 | 20707 | 20705 | 20711 | 20716 | 20709 |
| 10.0 | 20540 | 20558 | 20595 | 20583 | 20605 | 20609 | 20617 | 20617 | 20617 | 20612 |
| 12.5 | 20393 | 20411 | 20452 | 20436 | 20459 | 20459 | 20466 | 20469 | 20472 | 20463 |
| 15.0 | 20208 | 20229 | 20264 | 20252 | 20278 | 20279 | 20294 | 20294 | 20293 | 20287 |
| 17.5 | 19984 | 20007 | 20053 | 20037 | 20069 | 20069 | 20069 | 20083 | 20087 | 20072 |
| 20.0 | 19729 | 19755 | 19804 | 19784 | 19821 | 19816 | 19828 | 19832 | 19838 | 19827 |
| 22.5 | 19430 | 19461 | 19516 | 19494 | 19540 | 19529 | 19545 | 19547 | 19555 | 19543 |
| 25.0 | 19097 | 19124 | 19189 | 19164 | 19206 | 19202 | 19227 | 19214 | 19225 | 19215 |
| 27.5 | 18723 | 18753 | 18826 | 18808 | 18837 | 18838 | 18854 | 18851 | 18865 | 18850 |
| 30.0 | 18316 | 18349 | 18420 | 18387 | 18433 | 18429 | 18455 | 18442 | 18454 | 18441 |
| 32.5 | 17859 | 17898 | 17976 | 17936 | 17987 | 17981 | 18000 | 17996 | 18005 | 17988 |
| 35.0 | 17358 | 17403 | 17486 | 17444 | 17486 | 17491 | 17516 | 17508 | 17514 | 17496 |
| 37.5 | 16815 | 16863 | 16955 | 16900 | 16956 | 16956 | 16987 | 16975 | 16987 | 16961 |
| 40.0 | 16224 | 16283 | 16383 | 16321 | 16377 | 16376 | 16404 | 16395 | 16412 | 16393 |
| 42.5 | 15585 | 15649 | 15768 | 15697 | 15744 | 15749 | 15776 | 15768 | 15783 | 15751 |
| 45.0 | 14901 | 14969 | 15081 | 15023 | 15071 | 15065 | 15100 | 15096 | 15107 | 15073 |
| 47.5 | 14173 | 14242 | 14359 | 14294 | 14356 | 14332 | 14363 | 14361 | 14368 | 14331 |
| 50.0 | 13401 | 13464 | 13597 | 13520 | 13578 | 13541 | 13552 | 13537 | 13536 | 13518 |
| 52.5 | 12584 | 12641 | 12768 | 12675 | 12703 | 12626 | 12617 | 12580 | 12582 | 12560 |
| 55.0 | 11683 | 11737 | 11854 | 11700 | 11708 | 11650 | 11652 | 11606 | 11595 | 11586 |
| 57.5 | 10650 | 10704 | 10829 | 10682 | 10701 | 10679 | 10681 | 10637 | 10624 | 10600 |
| 60.0 | 9588 | 9649 | 9784 | 9658 | 9712 | 9667 | 9684 | 9632 | 9634 | 9593 |
| 62.5 | 8543 | 8588 | 8740 | 8620 | 8682 | 8638 | 8640 | 8597 | 8592 | 8551 |
| 65.0 | 7484 | 7522 | 7679 | 7559 | 7630 | 7581 | 7545 | 7488 | 7483 | 7450 |
| 67.5 | 6399 | 6441 | 6589 | 6442 | 6469 | 6396 | 6374 | 6319 | 6300 | 6259 |
| 70.0 | 5211 | 5271 | 5419 | 5276 | 5311 | 5264 | 5253 | 5197 | 5177 | 5124 |
| 72.5 | 4111 | 4160 | 4301 | 4176 | 4228 | 4131 | 4110 | 4050 | 4023 | 3986 |
| 75.0 | 3050 | 3105 | 3229 | 3086 | 3126 | 3061 | 3060 | 2998 | 2974 | 2933 |
| 77.5 | 2084 | 2153 | 2262 | 2111 | 2143 | 2075 | 2091 | 2014 | 2011 | 1947 |
| 80.0 | 1242 | 1303 | 1387 | 1269 | 1288 | 1238 | 1242 | 1175 | 1168 | 1137 |
| 82.5 | 596.6 | 637.5 | 702.1 | 609.6 | 629.5 | 585.1 | 591.2 | 546.5 | 549.7 | 513.1 |
| 85.0 | 200.5 | 233.4 | 280.6 | 200.1 | 230.7 | 186.7 | 212.3 | 170.2 | 170.5 | 154.0 |
| 87.5 | 58.99 | 51.30 | 54.90 | 49.01 | 49.64 | 46.75 | 44.31 | 45.36 | 42.85 | 40.83 |
| 90.0 | 7.049 | 1.207 | 3.222 | 6.694 | 3.085 | 4.663 | 3.083 | 5.251 | 3.119 | 4.418 |
| 92.5 | 1.424 | 1.396 | 3.629 | 3.708 | 3.682 | 3.715 | 3.694 | 3.733 | 3.741 | 3.789 |
| 95.0 | 1.669 | 1.633 | 4.273 | 4.347 | 4.325 | 4.365 | 4.344 | 4.383 | 4.389 | 4.444 |
| 97.5 | 1.927 | 1.881 | 4.904 | 4.968 | 4.948 | 4.993 | 4.975 | 5.020 | 5.030 | 5.086 |
| 100.0 | 2.192 | 2.135 | 5.473 | 5.521 | 5.510 | 5.565 | 5.560 | 5.611 | 5.621 | 5.680 |
| 102.5 | 2.471 | 2.396 | 5.987 | 6.044 | 5.999 | 6.098 | 6.097 | 6.153 | 6.167 | 6.225 |
| 105.0 | 2.739 | 2.666 | 6.431 | 6.430 | 6.431 | 6.534 | 6.569 | 6.622 | 6.641 | 6.687 |
| 107.5 | 3.059 | 2.981 | 6.532 | 6.568 | 6.632 | 6.752 | 6.797 | 6.854 | 6.887 | 6.919 |
| 110.0 | 3.433 | 3.317 | 6.632 | 6.684 | 6.753 | 6.869 | 6.943 | 7.010 | 7.033 | 7.044 |
| 112.5 | 3.816 | 3.701 | 6.770 | 6.803 | 6.860 | 6.990 | 7.064 | 7.117 | 7.163 | 7.161 |
| 115.0 | 4.236 | 4.152 | 6.989 | 7.003 | 6.986 | 7.112 | 7.189 | 7.252 | 7.294 | 7.291 |
| 117.5 | 4.764 | 4.678 | 7.357 | 7.394 | 7.313 | 7.367 | 7.375 | 7.451 | 7.494 | 7.471 |
| 120.0 | 5.382 | 5.293 | 7.906 | 7.902 | 7.734 | 7.757 | 7.730 | 7.761 | 7.789 | 7.757 |
| 122.5 | 5.980 | 5.901 | 8.408 | 8.455 | 8.225 | 8.298 | 8.227 | 8.246 | 8.236 | 8.218 |
| 125.0 | 6.622 | 6.516 | 9.077 | 9.182 | 8.930 | 9.073 | 8.948 | 9.019 | 9.019 | 8.889 |
| 127.5 | 7.231 | 7.196 | 9.826 | 9.992 | 9.902 | 9.893 | 9.831 | 9.835 | 9.992 | 9.725 |
| 130.0 | 7.892 | 7.917 | 10.66 | 10.96 | 10.96 | 10.86 | 10.91 | 10.81 | 10.88 | 10.69 |
| 132.5 | 8.516 | 8.611 | 11.53 | 11.85 | 11.93 | 11.94 | 11.83 | 11.84 | 11.86 | 11.62 |
| 135.0 | 8.927 | 9.138 | 12.18 | 12.62 | 12.71 | 12.97 | 12.77 | 12.56 | 12.58 | 12.25 |
| 137.5 | 9.244 | 9.526 | 12.80 | 13.27 | 13.39 | 13.79 | 13.65 | 13.36 | 13.09 | 12.79 |
| 140.0 | 9.544 | 9.797 | 13.50 | 13.91 | 14.06 | 14.53 | 14.45 | 14.15 | 13.85 | 13.46 |
| 142.5 | 9.848 | 10.08 | 14.13 | 14.60 | 14.73 | 15.17 | 15.27 | 14.92 | 14.73 | 14.16 |
| 145.0 | 10.09 | 10.32 | 14.85 | 15.23 | 15.33 | 15.81 | 16.01 | 15.73 | 15.68 | 14.98 |
| 147.5 | 10.34 | 10.54 | 15.43 | 15.75 | 15.87 | 16.51 | 16.61 | 16.41 | 16.39 | 15.98 |
| 150.0 | 10.70 | 10.77 | 16.03 | 16.22 | 16.55 | 17.24 | 17.19 | 16.98 | 16.81 | 16.60 |
| 152.5 | 11.31 | 11.03 | 16.59 | 16.76 | 17.40 | 17.82 | 17.72 | 17.55 | 17.21 | 17.16 |
| 155.0 | 11.99 | 11.33 | 17.19 | 17.42 | 18.28 | 18.37 | 18.25 | 18.09 | 17.58 | 17.71 |
| 157.5 | 12.48 | 12.02 | 18.00 | 18.33 | 18.94 | 19.06 | 18.77 | 18.47 | 17.86 | 18.06 |
| 160.0 | 12.71 | 12.42 | 18.81 | 18.92 | 19.31 | 19.71 | 19.26 | 18.94 | 18.23 | 18.32 |
| 162.5 | 12.80 | 12.60 | 18.82 | 18.93 | 19.33 | 19.88 | 19.52 | 19.05 | 18.32 | 18.17 |
| 165.0 | 13.12 | 13.10 | 18.82 | 19.15 | 19.53 | 20.01 | 19.80 | 19.10 | 18.70 | 18.44 |
| 167.5 | 13.67 | 13.73 | 18.85 | 19.30 | 19.70 | 19.98 | 19.81 | 18.95 | 18.65 | 18.36 |
| 170.0 | 13.78 | 13.93 | 18.73 | 19.03 | 19.39 | 19.57 | 19.32 | 18.29 | 18.28 | 18.17 |
| 172.5 | 14.03 | 14.20 | 18.68 | 18.96 | 19.21 | 19.14 | 18.96 | 18.01 | 17.62 | 17.96 |
| 175.0 | 15.41 | 15.66 | 18.43 | 18.68 | 18.75 | 18.55 | 18.51 | 17.50 | 17.12 | 17.28 |
| 177.5 | 16.16 | 16.56 | 17.70 | 17.93 | 17.99 | 17.86 | 17.68 | 16.97 | 16.82 | 16.45 |
| 180.0 | 16.34 | 16.80 | 17.08 | 17.38 | 17.45 | 17.37 | 16.92 | 16.64 | 16.59 | 15.71 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Derek Lai
 Test Date: 11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance: 2.500m [K=1.0519]
 Remarks:

Photometric Data Table [cd]

| G/C | 300.0 | 315.0 | 330.0 | 345.0 |
|-------|-------|-------|-------|-------|
| 0.0 | 20815 | 20815 | 20815 | 20815 |
| 2.5 | 20806 | 20802 | 20802 | 20801 |
| 5.0 | 20770 | 20771 | 20761 | 20760 |
| 7.5 | 20713 | 20706 | 20703 | 20697 |
| 10.0 | 20608 | 20607 | 20602 | 20587 |
| 12.5 | 20462 | 20452 | 20445 | 20431 |
| 15.0 | 20286 | 20268 | 20263 | 20247 |
| 17.5 | 20076 | 20059 | 20048 | 20026 |
| 20.0 | 19820 | 19810 | 19801 | 19778 |
| 22.5 | 19532 | 19522 | 19505 | 19480 |
| 25.0 | 19210 | 19191 | 19181 | 19143 |
| 27.5 | 18843 | 18822 | 18797 | 18771 |
| 30.0 | 18428 | 18406 | 18390 | 18358 |
| 32.5 | 17988 | 17951 | 17929 | 17900 |
| 35.0 | 17490 | 17458 | 17449 | 17406 |
| 37.5 | 16952 | 16921 | 16902 | 16866 |
| 40.0 | 16372 | 16335 | 16318 | 16269 |
| 42.5 | 15742 | 15703 | 15666 | 15635 |
| 45.0 | 15052 | 15004 | 14981 | 14943 |
| 47.5 | 14317 | 14272 | 14243 | 14199 |
| 50.0 | 13507 | 13477 | 13451 | 13403 |
| 52.5 | 12587 | 12592 | 12598 | 12555 |
| 55.0 | 11591 | 11589 | 11626 | 11616 |
| 57.5 | 10590 | 10563 | 10559 | 10560 |
| 60.0 | 9564 | 9528 | 9521 | 9485 |
| 62.5 | 8511 | 8476 | 8468 | 8415 |
| 65.0 | 7435 | 7402 | 7381 | 7324 |
| 67.5 | 6238 | 6229 | 6243 | 6206 |
| 70.0 | 5103 | 5070 | 5055 | 5016 |
| 72.5 | 3975 | 3965 | 3952 | 3905 |
| 75.0 | 2909 | 2870 | 2877 | 2820 |
| 77.5 | 1956 | 1899 | 1918 | 1866 |
| 80.0 | 1136 | 1105 | 1101 | 1087 |
| 82.5 | 519.0 | 486.8 | 499.8 | 472.7 |
| 85.0 | 153.1 | 141.0 | 144.3 | 134.8 |
| 87.5 | 38.10 | 27.96 | 35.22 | 29.25 |
| 90.0 | 3.178 | 4.047 | 3.246 | 3.618 |
| 92.5 | 3.807 | 3.866 | 3.874 | 3.917 |
| 95.0 | 4.461 | 4.530 | 4.533 | 4.576 |
| 97.5 | 5.105 | 5.171 | 5.177 | 5.204 |
| 100.0 | 5.696 | 5.759 | 5.780 | 5.759 |
| 102.5 | 6.237 | 6.286 | 6.339 | 6.260 |
| 105.0 | 6.723 | 6.733 | 6.717 | 6.673 |
| 107.5 | 6.924 | 6.929 | 6.825 | 6.768 |
| 110.0 | 7.048 | 7.046 | 6.914 | 6.862 |
| 112.5 | 7.154 | 7.136 | 7.012 | 7.007 |
| 115.0 | 7.258 | 7.224 | 7.136 | 7.192 |
| 117.5 | 7.419 | 7.414 | 7.421 | 7.588 |
| 120.0 | 7.714 | 7.718 | 7.775 | 8.029 |
| 122.5 | 8.107 | 8.081 | 8.147 | 8.481 |
| 125.0 | 8.615 | 8.746 | 8.732 | 9.136 |
| 127.5 | 9.472 | 9.489 | 9.658 | 9.900 |
| 130.0 | 10.45 | 10.27 | 10.64 | 10.79 |
| 132.5 | 11.10 | 11.09 | 11.45 | 11.61 |
| 135.0 | 11.90 | 12.01 | 12.13 | 12.29 |
| 137.5 | 12.72 | 12.90 | 12.75 | 12.96 |
| 140.0 | 13.62 | 13.64 | 13.48 | 13.76 |
| 142.5 | 14.60 | 14.31 | 14.22 | 14.38 |
| 145.0 | 15.12 | 15.06 | 14.90 | 15.12 |
| 147.5 | 15.66 | 15.82 | 15.58 | 15.69 |
| 150.0 | 16.28 | 16.58 | 16.49 | 16.30 |
| 152.5 | 16.90 | 17.15 | 17.47 | 16.98 |
| 155.0 | 17.66 | 17.64 | 18.28 | 17.54 |
| 157.5 | 17.98 | 18.10 | 18.86 | 18.41 |
| 160.0 | 18.27 | 18.57 | 19.06 | 18.93 |
| 162.5 | 18.32 | 18.55 | 18.90 | 18.90 |
| 165.0 | 18.23 | 18.51 | 18.79 | 18.92 |
| 167.5 | 17.94 | 18.26 | 18.77 | 18.73 |
| 170.0 | 17.26 | 17.91 | 18.38 | 18.29 |
| 172.5 | 17.08 | 17.80 | 18.21 | 18.32 |
| 175.0 | 16.64 | 17.48 | 17.79 | 18.04 |
| 177.5 | 16.21 | 16.82 | 16.86 | 17.19 |
| 180.0 | 15.97 | 16.26 | 16.34 | 16.78 |

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:Derek Lai
 Test Date:11 July 2019

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.362
 Humidity: 40.9%
 Test Distance:2.500m [K=1.0519]
 Remarks: