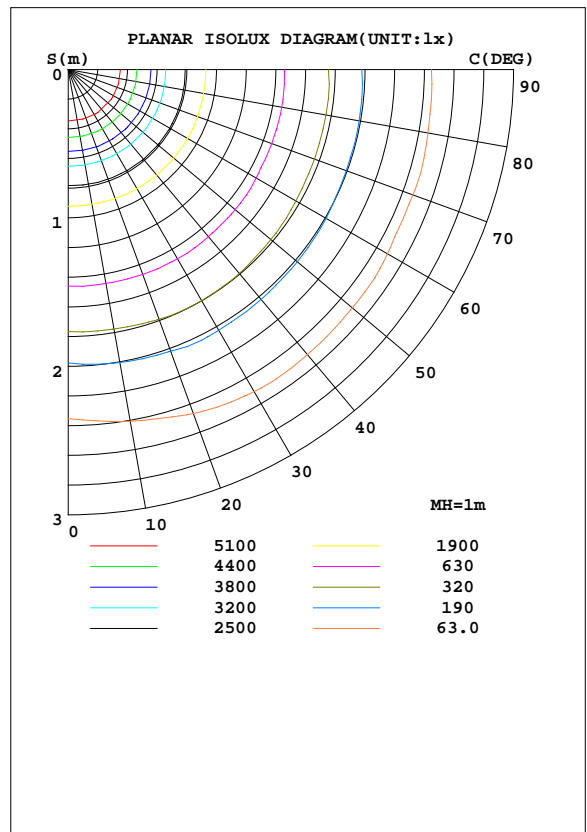
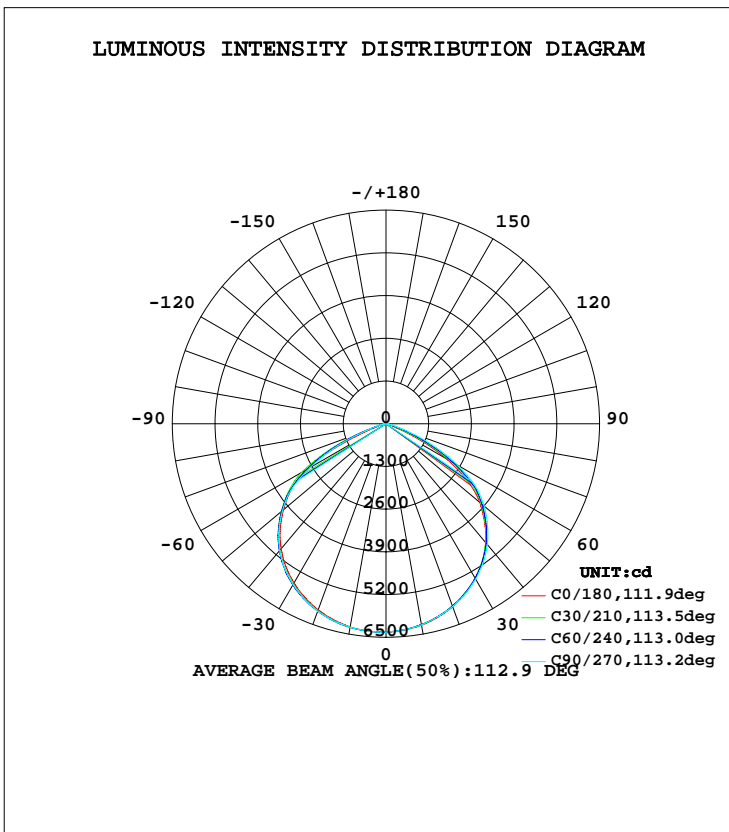


**LUMINAIRE PHOTOMETRIC TEST REPORT**

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

| DATA OF LAMP     |                      | PHOTOMETRIC DATA Eff: 135.68 lm/W |        |                    |           |
|------------------|----------------------|-----------------------------------|--------|--------------------|-----------|
| MODEL            | NF2W757GRT-V1 150PCS | Imax(cd)                          | 6344   | S/MH(C0/180)       | 1.27      |
| NOMINAL POWER(W) | 120.8                | LOR(%)                            | 100.0  | S/MH(C90/270)      | 1.28      |
| RATED VOLTAGE(V) | 222                  | TOTAL FLUX(lm)                    | 16505  | η UP, DN(C0-180)   | 0.0, 50.8 |
| NOMINAL FLUX(lm) | 16505.5              | CIE CLASS                         | DIRECT | η UP, DN(C180-360) | 0.0, 49.2 |
| LAMPS INSIDE     | 1                    | η up(%)                           | 0.0    | CIBSE SHR NOM      | 1.25      |
| TEST VOLTAGE(V)  | 221.1                | η down(%)                         | 100.0  | CIBSE SHR MAX      | 1.35      |



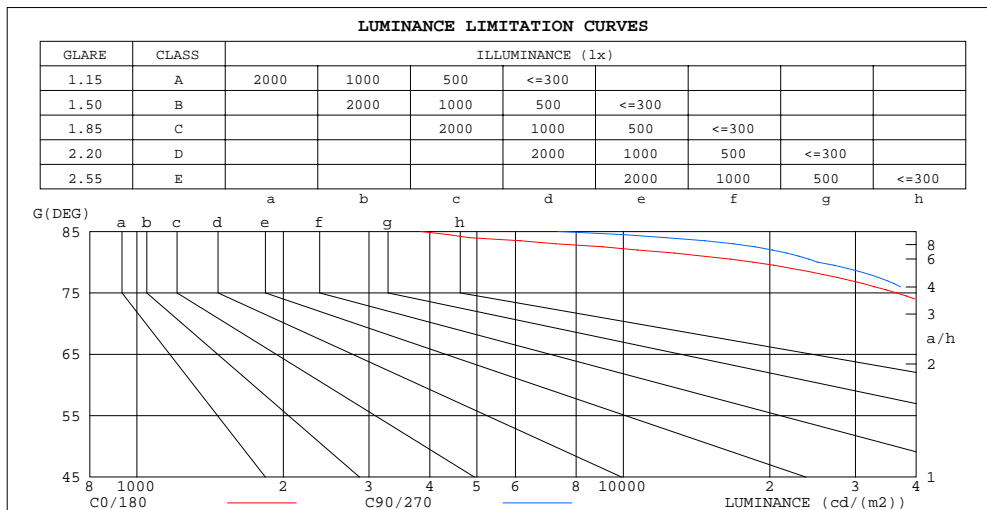
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM  
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

| γ   | C0                    | C45   | C90   | C135  | C180  | C225  | C270  | C315  | γ       | Φ zone  | Φ total | lum, lamp |
|-----|-----------------------|-------|-------|-------|-------|-------|-------|-------|---------|---------|---------|-----------|
| 5   | 6330                  | 6336  | 6335  | 6317  | 6306  | 6291  | 6296  | 6307  | 0- 5    | 151.2   | 151.2   | 0.92,0.92 |
| 10  | 6276                  | 6291  | 6289  | 6254  | 6221  | 6204  | 6215  | 6233  | 5- 10   | 449.3   | 600.6   | 3.64,3.64 |
| 15  | 6171                  | 6203  | 6201  | 6151  | 6099  | 6077  | 6083  | 6124  | 10- 15  | 734.6   | 1335    | 8.09,8.09 |
| 20  | 6027                  | 6069  | 6068  | 6007  | 5925  | 5902  | 5921  | 5964  | 15- 20  | 998.9   | 2334    | 14.1,14.1 |
| 25  | 5837                  | 5883  | 5885  | 5808  | 5703  | 5682  | 5710  | 5761  | 20- 25  | 1234    | 3568    | 21.6,21.6 |
| 30  | 5599                  | 5657  | 5656  | 5560  | 5433  | 5418  | 5460  | 5516  | 25- 30  | 1433    | 5001    | 30.3,30.3 |
| 35  | 5309                  | 5384  | 5372  | 5261  | 5112  | 5107  | 5153  | 5222  | 30- 35  | 1587    | 6588    | 39.9,39.9 |
| 40  | 4963                  | 5051  | 5038  | 4894  | 4717  | 4734  | 4801  | 4877  | 35- 40  | 1689    | 8277    | 50.1,50.1 |
| 45  | 4555                  | 4646  | 4610  | 4458  | 4247  | 4295  | 4372  | 4458  | 40- 45  | 1729    | 10006   | 60.6,60.6 |
| 50  | 4068                  | 4176  | 4113  | 3960  | 3727  | 3799  | 3898  | 3987  | 45- 50  | 1701    | 11707   | 70.9,70.9 |
| 55  | 3545                  | 3623  | 3533  | 3359  | 2997  | 3173  | 3318  | 3452  | 50- 55  | 1601    | 13308   | 80.6,80.6 |
| 60  | 2747                  | 2879  | 2666  | 2353  | 2099  | 2295  | 2512  | 2695  | 55- 60  | 1376    | 14683   | 89,89     |
| 65  | 1573                  | 1868  | 1706  | 1266  | 1013  | 1353  | 1605  | 1802  | 60- 65  | 993.4   | 15677   | 95,95     |
| 70  | 440.7                 | 899.9 | 708.6 | 504.4 | 258.8 | 550.8 | 746.5 | 886.6 | 65- 70  | 532.5   | 16209   | 98.2,98.2 |
| 75  | 188.6                 | 253.3 | 241.8 | 172.9 | 127.5 | 181.3 | 262.5 | 273.1 | 70- 75  | 198.1   | 16407   | 99.4,99.4 |
| 80  | 64.20                 | 89.15 | 87.14 | 60.45 | 34.41 | 65.07 | 101.5 | 110.5 | 75- 80  | 73.36   | 16481   | 99.8,99.8 |
| 85  | 6.664                 | 14.96 | 12.81 | 9.926 | 9.966 | 15.50 | 19.87 | 28.74 | 80- 85  | 22.71   | 16503   | 100,100   |
| 90  | 0.6274                | 0     | 0     | 0     | 2.826 | 0     | 0     | 0     | 85- 90  | 2.229   | 16505   | 100,100   |
| 95  |                       |       |       |       |       |       |       |       | 90- 95  |         |         |           |
| 100 |                       |       |       |       |       |       |       |       | 95-100  |         |         |           |
| 105 |                       |       |       |       |       |       |       |       | 100-105 |         |         |           |
| 110 |                       |       |       |       |       |       |       |       | 105-110 |         |         |           |
| 115 |                       |       |       |       |       |       |       |       | 110-115 |         |         |           |
| 120 |                       |       |       |       |       |       |       |       | 115-120 |         |         |           |
| 125 |                       |       |       |       |       |       |       |       | 120-125 |         |         |           |
| 130 |                       |       |       |       |       |       |       |       | 125-130 |         |         |           |
| 135 |                       |       |       |       |       |       |       |       | 130-135 |         |         |           |
| 140 |                       |       |       |       |       |       |       |       | 135-140 |         |         |           |
| 145 |                       |       |       |       |       |       |       |       | 140-145 |         |         |           |
| 150 |                       |       |       |       |       |       |       |       | 145-150 |         |         |           |
| 155 |                       |       |       |       |       |       |       |       | 150-155 |         |         |           |
| 160 |                       |       |       |       |       |       |       |       | 155-160 |         |         |           |
| 165 |                       |       |       |       |       |       |       |       | 160-165 |         |         |           |
| 170 |                       |       |       |       |       |       |       |       | 165-170 |         |         |           |
| 175 |                       |       |       |       |       |       |       |       | 170-175 |         |         |           |
| 180 |                       |       |       |       |       |       |       |       | 175-180 |         |         |           |
| DEG | LUMINOUS INTENSITY:cd |       |       |       |       |       |       |       |         | UNIT:lm |         |           |



| LUMINANCE cd/(m2) |        |         |
|-------------------|--------|---------|
| G(DEG)            | C0/180 | C90/270 |
| 85                | 3823   | 7347    |
| 80                | 18486  | 25092   |
| 75                | 36425  | 46722   |
| 70                | 64422  | 103584  |
| 65                | 186052 | 201858  |
| 60                | 274668 | 266640  |
| 55                | 309039 | 307957  |
| 50                | 316422 | 319949  |
| 45                | 322056 | 325981  |

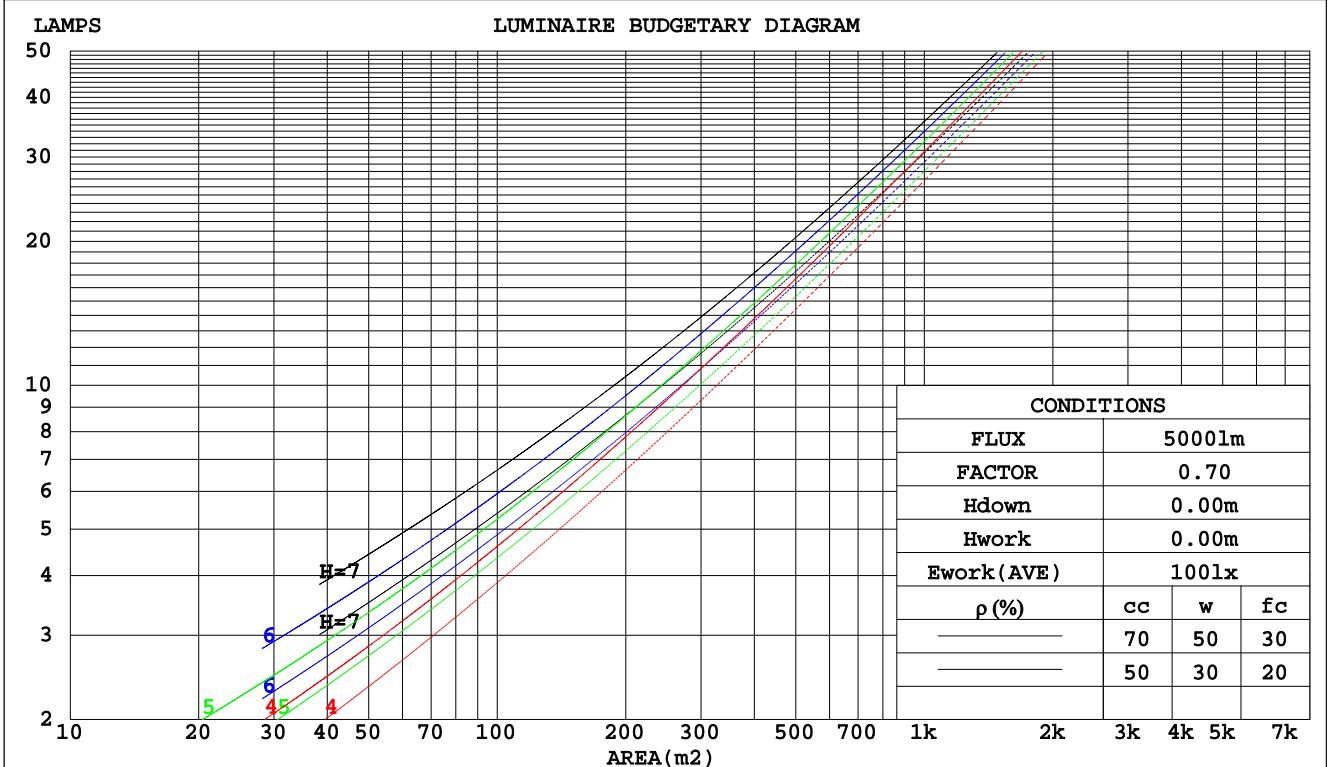
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN YU  
Test Date:2016-12-29

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
Humidity:65.0%  
Test Distance:9.410m [K=1.0000]  
Remarks:

**CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM**

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

| pcc  | 80%                             |      |      | 70%  |      |      | 50%  |      |      | 30%  |      |      | 10%  |      |      | 0   |
|------|---------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|      | 50%                             | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0   |
| pw   |                                 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
| 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  | 1.07                            | 1.03 | .00  | 1.04 | 1.01 | .98  | 1.00 | .97  | .95  | .96  | .94  | .92  | .93  | .91  | .89  | .87 |
| 2.0  | .94                             | .88  | .83  | .92  | .87  | .82  | .89  | .84  | .80  | .86  | .82  | .79  | .83  | .80  | .77  | .75 |
| 3.0  | .84                             | .76  | .70  | .82  | .75  | .70  | .79  | .73  | .68  | .76  | .71  | .67  | .74  | .70  | .66  | .64 |
| 4.0  | .74                             | .66  | .60  | .73  | .65  | .60  | .71  | .64  | .59  | .68  | .63  | .58  | .66  | .61  | .57  | .55 |
| 5.0  | .67                             | .58  | .52  | .66  | .58  | .52  | .63  | .56  | .51  | .62  | .55  | .51  | .60  | .54  | .50  | .48 |
| 6.0  | .60                             | .52  | .45  | .59  | .51  | .45  | .57  | .50  | .45  | .56  | .49  | .44  | .54  | .48  | .44  | .42 |
| 7.0  | .54                             | .46  | .40  | .54  | .46  | .40  | .52  | .45  | .40  | .51  | .44  | .39  | .49  | .44  | .39  | .37 |
| 8.0  | .50                             | .41  | .36  | .49  | .41  | .36  | .48  | .41  | .35  | .46  | .40  | .35  | .45  | .39  | .35  | .33 |
| 9.0  | .46                             | .38  | .32  | .45  | .37  | .32  | .44  | .37  | .32  | .43  | .36  | .32  | .42  | .36  | .32  | .30 |
| 10.0 | .42                             | .34  | .29  | .41  | .34  | .29  | .40  | .34  | .29  | .40  | .33  | .29  | .39  | .33  | .29  | .27 |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

WEC AND CCEC

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION 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  | .259                  | .147 | .047 | .252 | .144 | .046 | .239                            | .137 | .044 | .227 | .131 | .042 | .216 | .125 | .040 |   |
| 2.0  | .255                  | .140 | .043 | .249 | .137 | .042 | .238                            | .132 | .041 | .227 | .127 | .040 | .217 | .123 | .039 |   |
| 3.0  | .243                  | .129 | .039 | .238 | .127 | .038 | .228                            | .123 | .038 | .219 | .120 | .037 | .210 | .116 | .036 |   |
| 4.0  | .229                  | .119 | .035 | .225 | .118 | .035 | .216                            | .114 | .034 | .207 | .111 | .034 | .200 | .109 | .033 |   |
| 5.0  | .215                  | .110 | .032 | .211 | .108 | .032 | .203                            | .106 | .031 | .196 | .103 | .031 | .189 | .101 | .030 |   |
| 6.0  | .202                  | .101 | .029 | .198 | .100 | .029 | .191                            | .098 | .029 | .185 | .096 | .028 | .179 | .094 | .028 |   |
| 7.0  | .190                  | .094 | .027 | .187 | .093 | .026 | .180                            | .091 | .026 | .174 | .089 | .026 | .169 | .088 | .026 |   |
| 8.0  | .179                  | .087 | .025 | .176 | .086 | .024 | .170                            | .085 | .024 | .165 | .083 | .024 | .160 | .082 | .024 |   |
| 9.0  | .168                  | .081 | .023 | .166 | .081 | .023 | .160                            | .079 | .022 | .156 | .078 | .022 | .151 | .077 | .022 |   |
| 10.0 | .159                  | .076 | .021 | .156 | .076 | .021 | .152                            | .074 | .021 | .148 | .073 | .021 | .143 | .072 | .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  | .190                  | .190 | .190 | .163 | .163 | .163 | .111                                       | .111 | .111 | .064 | .064 | .064 | .020 | .020 | .020 |   |
| 1.0  | .177                  | .157 | .138 | .151 | .134 | .119 | .103                                       | .092 | .082 | .060 | .054 | .048 | .019 | .017 | .015 |   |
| 2.0  | .167                  | .132 | .102 | .143 | .114 | .089 | .098                                       | .079 | .062 | .057 | .046 | .036 | .018 | .015 | .012 |   |
| 3.0  | .159                  | .114 | .078 | .137 | .098 | .068 | .094                                       | .068 | .047 | .054 | .040 | .028 | .017 | .013 | .009 |   |
| 4.0  | .152                  | .101 | .061 | .130 | .087 | .053 | .090                                       | .061 | .037 | .052 | .035 | .022 | .017 | .012 | .007 |   |
| 5.0  | .145                  | .090 | .049 | .125 | .078 | .043 | .086                                       | .054 | .030 | .050 | .032 | .018 | .016 | .010 | .006 |   |
| 6.0  | .138                  | .082 | .041 | .119 | .071 | .036 | .082                                       | .049 | .025 | .048 | .029 | .015 | .015 | .010 | .005 |   |
| 7.0  | .132                  | .075 | .034 | .114 | .065 | .030 | .078                                       | .045 | .021 | .046 | .027 | .013 | .015 | .009 | .004 |   |
| 8.0  | .126                  | .069 | .030 | .108 | .060 | .026 | .075                                       | .042 | .018 | .044 | .025 | .011 | .014 | .008 | .004 |   |
| 9.0  | .120                  | .064 | .026 | .104 | .055 | .023 | .072                                       | .039 | .016 | .042 | .023 | .010 | .014 | .008 | .003 |   |
| 10.0 | .115                  | .060 | .023 | .099 | .052 | .020 | .069                                       | .036 | .014 | .040 | .022 | .008 | .013 | .007 | .003 |   |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

|   |                  |      |      |      |                       |                |      |                     |      |      |
|---|------------------|------|------|------|-----------------------|----------------|------|---------------------|------|------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                  |      |      |      |                       |                |      |                     |      |      |
| NAME: LED HIGH BAY LIGHTT   |                  |      |      |      | TYPE:YHL-ID-120-HB-VD |                |      | WEIGHT:             |      |      |
| SPEC.:MEAN WELL   |                  |      |      |      | DIM.: 5000K           |                |      | SERIAL No.:20161229 |      |      |
| MFR.:   |                  |      |      |      | SUR.:70Ra             |                |      | 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   | 33.2             | 34.6 | 33.4 | 34.8 | 35.0                  | 33.1           | 34.5 | 33.3                | 34.7 | 34.9 |
| 3H  | 33.5             | 34.8 | 33.8 | 35.1 | 35.3                  | 33.5           | 34.8 | 33.8                | 35.1 | 35.3 |
| 4H  | 33.4             | 34.7 | 33.8 | 34.9 | 35.2                  | 33.5           | 34.7 | 33.8                | 35.0 | 35.2 |
| 6H  | 33.4             | 34.5 | 33.7 | 34.8 | 35.1                  | 33.4           | 34.6 | 33.7                | 34.8 | 35.1 |
| 8H  | 33.3             | 34.4 | 33.6 | 34.7 | 35.0                  | 33.4           | 34.5 | 33.7                | 34.7 | 35.0 |
| 12H   | 33.3             | 34.3 | 33.6 | 34.6 | 34.9                  | 33.3           | 34.4 | 33.6                | 34.7 | 35.0 |
| 4H 2H   | 33.6             | 34.8 | 33.9 | 35.1 | 35.3                  | 33.5           | 34.7 | 33.8                | 35.0 | 35.2 |
| 3H  | 34.0             | 35.0 | 34.3 | 35.3 | 35.6                  | 34.0           | 35.0 | 34.3                | 35.3 | 35.6 |
| 4H  | 33.9             | 34.9 | 34.3 | 35.2 | 35.5                  | 34.0           | 34.9 | 34.3                | 35.2 | 35.6 |
| 6H  | 33.8             | 34.7 | 34.2 | 35.0 | 35.4                  | 33.9           | 34.7 | 34.3                | 35.1 | 35.5 |
| 8H  | 33.8             | 34.6 | 34.2 | 35.0 | 35.3                  | 33.9           | 34.6 | 34.3                | 35.0 | 35.4 |
| 12H   | 33.8             | 34.5 | 34.2 | 34.9 | 35.3                  | 33.8           | 34.5 | 34.2                | 34.9 | 35.3 |
| 8H 4H   | 33.8             | 34.6 | 34.3 | 35.0 | 35.4                  | 33.9           | 34.7 | 34.3                | 35.0 | 35.4 |
| 6H  | 33.8             | 34.4 | 34.2 | 34.8 | 35.2                  | 33.8           | 34.5 | 34.3                | 34.9 | 35.3 |
| 8H  | 33.7             | 34.3 | 34.2 | 34.7 | 35.2                  | 33.8           | 34.4 | 34.3                | 34.8 | 35.2 |
| 12H   | 33.7             | 34.2 | 34.2 | 34.6 | 35.1                  | 33.8           | 34.2 | 34.2                | 34.7 | 35.2 |
| 12H 4H  | 33.8             | 34.5 | 34.2 | 34.9 | 35.3                  | 33.8           | 34.6 | 34.3                | 34.9 | 35.3 |
| 6H  | 33.7             | 34.3 | 34.2 | 34.7 | 35.2                  | 33.8           | 34.4 | 34.3                | 34.8 | 35.2 |
| 8H  | 33.7             | 34.2 | 34.2 | 34.6 | 35.1                  | 33.8           | 34.2 | 34.2                | 34.7 | 35.2 |
| Variations with the observer position at spacings:                |                  |      |      |      |                       |                |      |                     |      |      |
| S = 1.0H  | + 0.4 / - 0.5    |      |      |      |                       | + 0.3 / - 0.4  |      |                     |      |      |
| 1.5H  | + 0.7 / - 1.0    |      |      |      |                       | + 0.5 / - 0.8  |      |                     |      |      |
| 2.0H  | + 0.6 / - 0.9    |      |      |      |                       | + 0.7 / - 0.7  |      |                     |      |      |

CIE Pub.117 Corrected 16505 lm Total Lamp Luminous Flux.(8log(F/F0) = 9.7)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | 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                         | 60  | 49  | 42        | 59  | 48  | 42  | 58            | 48  | 42  | 35     |
| 0.80                             | 71  | 60  | 53        | 70  | 59  | 53  | 68            | 59  | 52  | 46     |
| 1.00                             | 80  | 70  | 63        | 79  | 69  | 63  | 77            | 70  | 62  | 55     |
| 1.25                             | 87  | 78  | 71        | 86  | 77  | 71  | 83            | 76  | 70  | 63     |
| 1.50                             | 92  | 83  | 77        | 90  | 82  | 77  | 88            | 81  | 75  | 69     |
| 2.00                             | 99  | 91  | 86        | 97  | 90  | 85  | 94            | 88  | 83  | 76     |
| 2.50                             | 102   | 95  | 90        | 100 | 94  | 89  | 96            | 91  | 87  | 80     |
| 3.00                             | 105   | 99  | 94        | 103 | 98  | 93  | 99            | 95  | 91  | 83     |
| 4.00                             | 108   | 104 | 100       | 106 | 102 | 98  | 102           | 99  | 96  | 87     |
| 5.00                             | 110   | 106 | 103       | 108 | 104 | 101 | 104           | 101 | 98  | 90     |
| ROOM INDEX                       | UF(total)   |     |           |     |     |     |               |     |     | Direct |
| According to DIN EN 13032-2 2004 |   |     | Suspended |     |     |     | SHRNOM = 1.25 |     |     |        |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

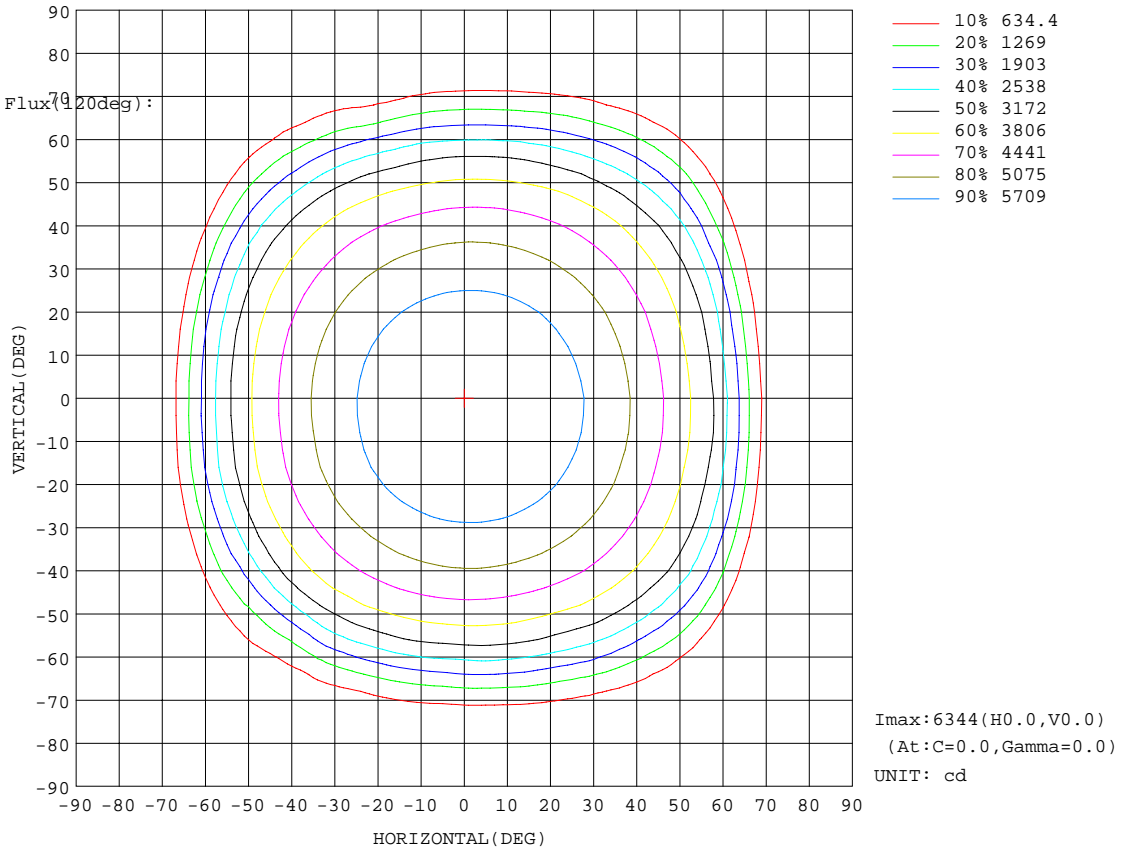
|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Conical surface Flux(90deg):

10006 lm  
 %lum = 60.6%  
 %lamp = 60.6%

Conical surface Flux(70deg):

14683 lm  
 %lum = 89.0%  
 %lamp = 89.0%



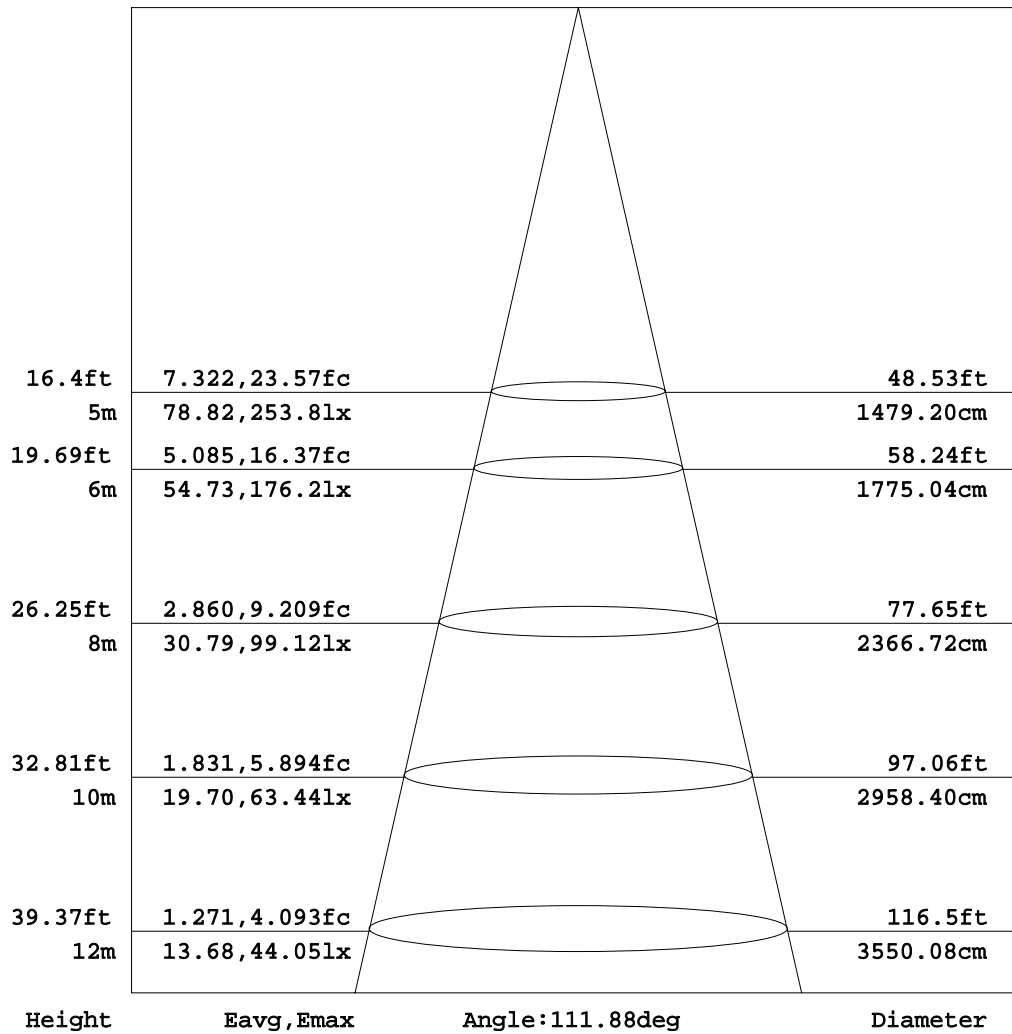
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**AAI Figure**

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Flux out:13606 lm



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

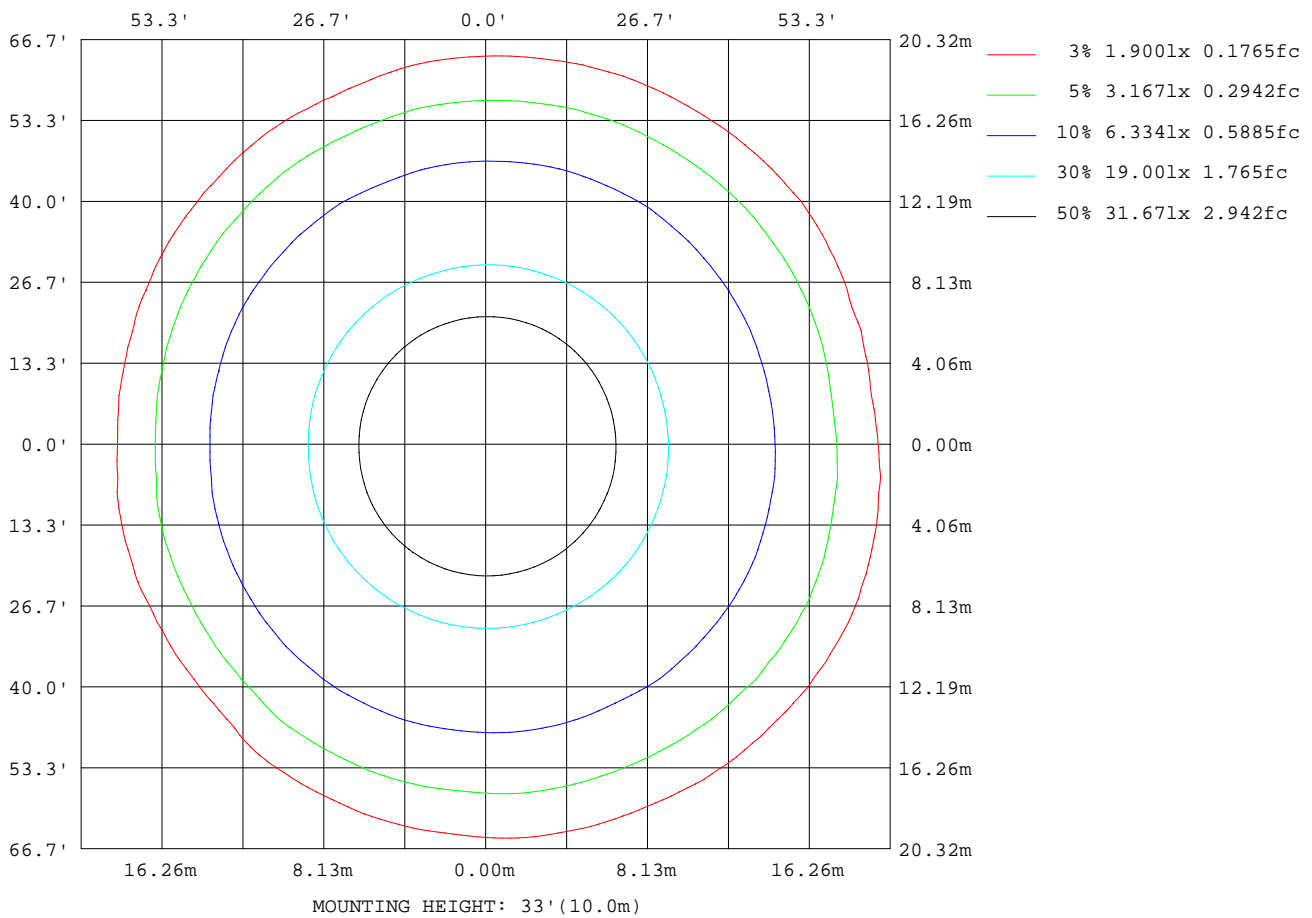
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:



**ISOLUX DIAGRAM**

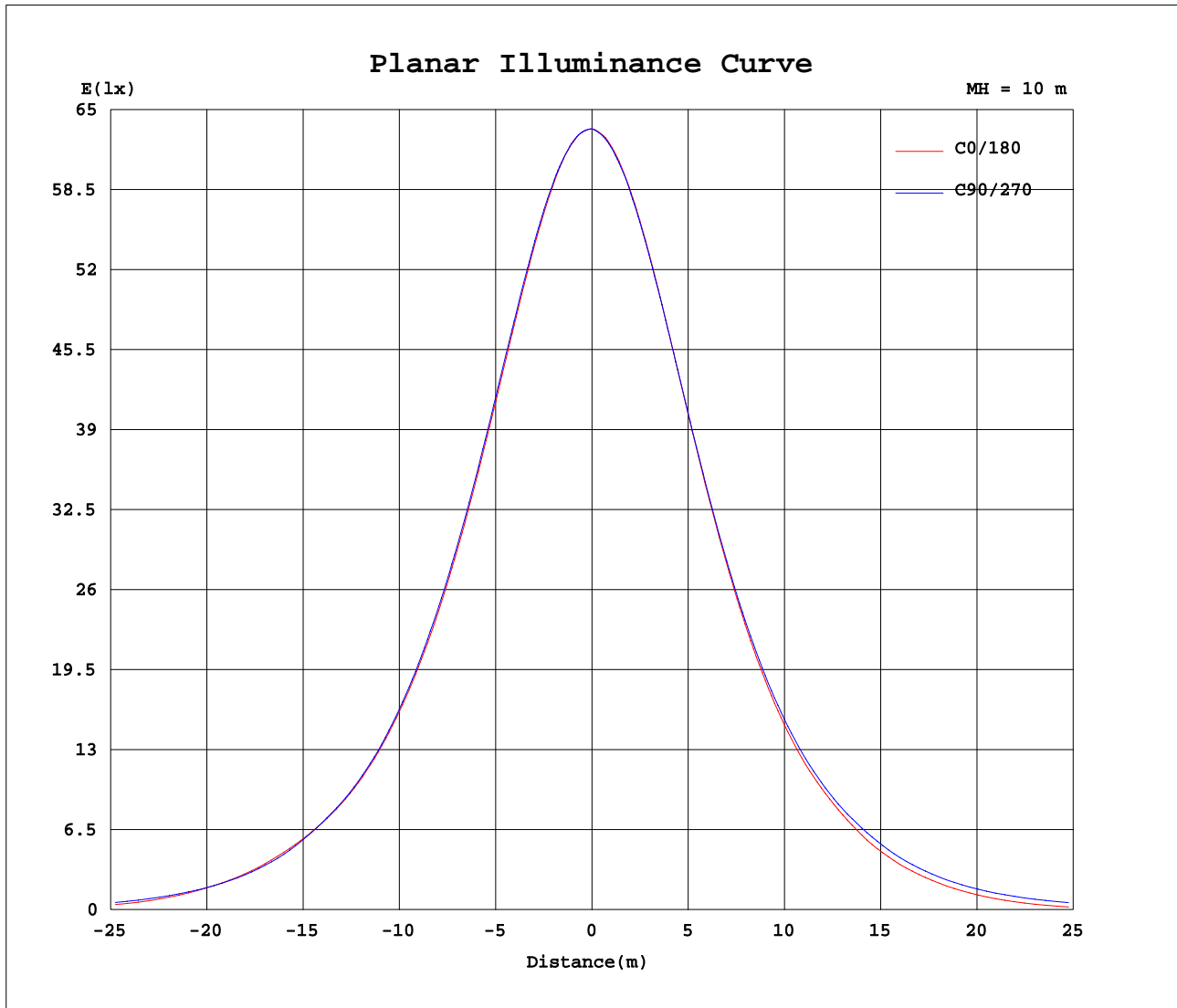
|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: CHEN YU  
 Test Date: 2016-12-29

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 9.410m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Table--1

UNIT: cd

| C(DEG)<br>γ (DEG) | 0    | 5    | 10   | 15   | 20   | 25   | 30   | 35   | 40   | 45   | 50   | 55   | 60   | 65   | 70   | 75   | 80   | 85   | 90   |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 |
| 5                 | 6330 | 6330 | 6330 | 6330 | 6331 | 6332 | 6333 | 6335 | 6336 | 6336 | 6337 | 6337 | 6336 | 6335 | 6335 | 6335 | 6334 | 6335 | 6335 |
| 10                | 6276 | 6276 | 6276 | 6278 | 6281 | 6285 | 6287 | 6290 | 6291 | 6291 | 6291 | 6291 | 6291 | 6292 | 6295 | 6296 | 6294 | 6290 | 6289 |
| 15                | 6171 | 6171 | 6173 | 6179 | 6182 | 6186 | 6191 | 6196 | 6202 | 6203 | 6202 | 6203 | 6205 | 6208 | 6208 | 6205 | 6204 | 6204 | 6201 |
| 20                | 6027 | 6026 | 6031 | 6037 | 6043 | 6051 | 6061 | 6060 | 6064 | 6069 | 6071 | 6071 | 6071 | 6072 | 6072 | 6075 | 6073 | 6072 | 6068 |
| 25                | 5837 | 5837 | 5844 | 5852 | 5863 | 5868 | 5870 | 5875 | 5879 | 5883 | 5892 | 5892 | 5893 | 5893 | 5894 | 5894 | 5892 | 5887 | 5885 |
| 30                | 5599 | 5600 | 5609 | 5621 | 5628 | 5632 | 5639 | 5646 | 5655 | 5657 | 5664 | 5665 | 5666 | 5668 | 5669 | 5666 | 5666 | 5664 | 5656 |
| 35                | 5309 | 5313 | 5325 | 5342 | 5341 | 5347 | 5361 | 5369 | 5378 | 5384 | 5385 | 5393 | 5389 | 5385 | 5386 | 5385 | 5382 | 5379 | 5372 |
| 40                | 4963 | 4971 | 4988 | 4995 | 5002 | 5019 | 5026 | 5037 | 5045 | 5051 | 5049 | 5050 | 5049 | 5044 | 5043 | 5045 | 5044 | 5044 | 5038 |
| 45                | 4555 | 4563 | 4590 | 4585 | 4601 | 4614 | 4628 | 4642 | 4642 | 4646 | 4644 | 4647 | 4640 | 4628 | 4625 | 4623 | 4621 | 4615 | 4610 |
| 50                | 4068 | 4081 | 4100 | 4102 | 4124 | 4143 | 4161 | 4163 | 4167 | 4176 | 4166 | 4156 | 4144 | 4134 | 4128 | 4128 | 4126 | 4120 | 4113 |
| 55                | 3545 | 3563 | 3568 | 3592 | 3608 | 3631 | 3635 | 3649 | 3624 | 3623 | 3618 | 3630 | 3579 | 3547 | 3553 | 3573 | 3567 | 3555 | 3533 |
| 60                | 2747 | 2791 | 2793 | 2856 | 2916 | 2945 | 2956 | 2934 | 2914 | 2879 | 2858 | 2828 | 2784 | 2753 | 2745 | 2739 | 2735 | 2736 | 2666 |
| 65                | 1573 | 1662 | 1749 | 1834 | 1875 | 1934 | 1934 | 1919 | 1877 | 1868 | 1858 | 1857 | 1824 | 1773 | 1764 | 1772 | 1751 | 1735 | 1706 |
| 70                | 441  | 486  | 553  | 619  | 714  | 775  | 840  | 894  | 901  | 900  | 888  | 893  | 861  | 822  | 813  | 797  | 751  | 729  | 709  |
| 75                | 189  | 192  | 201  | 207  | 213  | 219  | 224  | 243  | 268  | 253  | 239  | 271  | 286  | 275  | 268  | 265  | 255  | 247  | 242  |
| 80                | 64.2 | 66.5 | 70.6 | 73.1 | 77.8 | 82.3 | 85.2 | 88.9 | 89.3 | 89.2 | 93.5 | 97.4 | 96.1 | 94.3 | 95.4 | 95.1 | 92.9 | 89.8 | 87.1 |
| 85                | 6.66 | 5.88 | 7.10 | 7.40 | 7.81 | 8.40 | 6.85 | 9.53 | 12.4 | 15.0 | 16.0 | 16.7 | 16.9 | 16.7 | 16.4 | 15.6 | 14.5 | 13.4 | 12.8 |
| 90                | 0.63 | 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 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Table--2

UNIT: cd

| C (DEG) \ γ (DEG) | 95   | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 |
| 5                 | 6334 | 6333 | 6330 | 6327 | 6324 | 6323 | 6321 | 6319 | 6317 | 6315 | 6313 | 6311 | 6310 | 6308 | 6307 | 6307 | 6306 | 6306 | 6303 |
| 10                | 6288 | 6285 | 6279 | 6275 | 6272 | 6269 | 6263 | 6258 | 6254 | 6252 | 6249 | 6245 | 6242 | 6235 | 6229 | 6224 | 6222 | 6221 | 6215 |
| 15                | 6199 | 6196 | 6191 | 6186 | 6180 | 6172 | 6166 | 6159 | 6151 | 6144 | 6135 | 6127 | 6122 | 6117 | 6112 | 6104 | 6100 | 6099 | 6091 |
| 20                | 6066 | 6061 | 6053 | 6045 | 6038 | 6032 | 6025 | 6015 | 6007 | 5994 | 5980 | 5971 | 5958 | 5948 | 5942 | 5935 | 5928 | 5925 | 5916 |
| 25                | 5878 | 5875 | 5866 | 5858 | 5849 | 5838 | 5828 | 5822 | 5808 | 5796 | 5785 | 5770 | 5753 | 5739 | 5726 | 5715 | 5705 | 5703 | 5693 |
| 30                | 5650 | 5644 | 5633 | 5621 | 5610 | 5600 | 5590 | 5578 | 5560 | 5549 | 5534 | 5523 | 5505 | 5480 | 5462 | 5452 | 5439 | 5433 | 5425 |
| 35                | 5364 | 5354 | 5346 | 5332 | 5317 | 5304 | 5292 | 5274 | 5261 | 5244 | 5227 | 5209 | 5194 | 5172 | 5144 | 5126 | 5117 | 5112 | 5103 |
| 40                | 5028 | 5013 | 4999 | 4981 | 4966 | 4951 | 4934 | 4911 | 4894 | 4873 | 4856 | 4834 | 4813 | 4797 | 4764 | 4735 | 4727 | 4717 | 4714 |
| 45                | 4598 | 4586 | 4572 | 4554 | 4535 | 4522 | 4501 | 4476 | 4458 | 4429 | 4404 | 4383 | 4358 | 4336 | 4315 | 4269 | 4257 | 4247 | 4248 |
| 50                | 4102 | 4087 | 4072 | 4057 | 4040 | 4023 | 4004 | 3982 | 3960 | 3929 | 3899 | 3865 | 3842 | 3819 | 3800 | 3763 | 3740 | 3727 | 3730 |
| 55                | 3498 | 3487 | 3481 | 3449 | 3427 | 3429 | 3403 | 3362 | 3359 | 3295 | 3276 | 3221 | 3190 | 3163 | 3124 | 3109 | 3034 | 2997 | 3018 |
| 60                | 2638 | 2639 | 2612 | 2586 | 2546 | 2536 | 2525 | 2429 | 2353 | 2301 | 2270 | 2240 | 2225 | 2218 | 2204 | 2185 | 2112 | 2099 | 2114 |
| 65                | 1642 | 1617 | 1585 | 1551 | 1527 | 1500 | 1456 | 1368 | 1266 | 1257 | 1211 | 1248 | 1246 | 1215 | 1177 | 1149 | 1066 | 1013 | 998  |
| 70                | 669  | 678  | 668  | 652  | 634  | 616  | 589  | 526  | 504  | 475  | 499  | 439  | 375  | 329  | 315  | 286  | 280  | 259  | 264  |
| 75                | 236  | 237  | 234  | 224  | 208  | 189  | 173  | 171  | 173  | 164  | 163  | 156  | 150  | 144  | 141  | 138  | 134  | 127  | 131  |
| 80                | 85.0 | 82.8 | 80.0 | 76.6 | 72.7 | 70.5 | 67.7 | 65.3 | 60.4 | 56.5 | 53.7 | 48.9 | 46.8 | 46.1 | 44.6 | 41.2 | 38.4 | 34.4 | 35.9 |
| 85                | 12.6 | 12.6 | 12.8 | 12.9 | 12.9 | 13.0 | 12.8 | 11.8 | 9.93 | 8.04 | 7.22 | 6.99 | 8.19 | 8.16 | 8.19 | 8.39 | 8.08 | 9.97 | 15.2 |
| 90                | 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 | 2.83 | 0.00 |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

|                      |  |
|----------------------|--|
| C Range: 0 - 360DEG  | γ Range: 0 - 90DEG                               |
| C Interval: 5.0DEG   | γ Interval: 0.5DEG                               |
| Test Speed: HIGH     | Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.287 |
| Temperature:25DEG    | Humidity:65.0%                                   |
| Operators:CHEN YU    | Test Distance:9.410m [K=1.0000]                  |
| Test Date:2016-12-29 | Remarks:   |

LUMINOUS DISTRIBUTION INTENSITY DATA

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Table--3

UNIT: cd

| C( DEG)<br>γ (DEG) | 190  | 195  | 200  | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0                  | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 |
| 5                  | 6300 | 6297 | 6295 | 6293 | 6292 | 6292 | 6291 | 6291 | 6291 | 6291 | 6291 | 6292 | 6292 | 6291 | 6292 | 6294 | 6296 | 6297 | 6299 |
| 10                 | 6210 | 6208 | 6207 | 6206 | 6204 | 6205 | 6204 | 6204 | 6203 | 6204 | 6205 | 6206 | 6210 | 6212 | 6212 | 6213 | 6215 | 6219 | 6221 |
| 15                 | 6086 | 6085 | 6082 | 6080 | 6077 | 6077 | 6080 | 6077 | 6074 | 6073 | 6075 | 6077 | 6079 | 6079 | 6081 | 6084 | 6083 | 6088 | 6093 |
| 20                 | 5913 | 5909 | 5905 | 5905 | 5906 | 5899 | 5899 | 5902 | 5902 | 5903 | 5903 | 5904 | 5905 | 5911 | 5913 | 5916 | 5921 | 5926 | 5931 |
| 25                 | 5689 | 5686 | 5687 | 5685 | 5684 | 5684 | 5682 | 5682 | 5686 | 5685 | 5686 | 5689 | 5692 | 5695 | 5702 | 5705 | 5710 | 5714 | 5721 |
| 30                 | 5424 | 5422 | 5421 | 5422 | 5422 | 5418 | 5420 | 5418 | 5423 | 5425 | 5427 | 5427 | 5430 | 5437 | 5442 | 5453 | 5460 | 5464 | 5470 |
| 35                 | 5100 | 5102 | 5101 | 5101 | 5101 | 5101 | 5106 | 5107 | 5108 | 5114 | 5113 | 5117 | 5122 | 5129 | 5136 | 5143 | 5153 | 5160 | 5169 |
| 40                 | 4712 | 4717 | 4721 | 4719 | 4721 | 4727 | 4727 | 4734 | 4737 | 4743 | 4746 | 4745 | 4750 | 4760 | 4772 | 4789 | 4801 | 4812 | 4821 |
| 45                 | 4253 | 4260 | 4259 | 4267 | 4274 | 4279 | 4286 | 4295 | 4299 | 4305 | 4307 | 4307 | 4312 | 4326 | 4342 | 4358 | 4372 | 4385 | 4400 |
| 50                 | 3736 | 3746 | 3753 | 3769 | 3775 | 3785 | 3789 | 3799 | 3808 | 3812 | 3814 | 3817 | 3825 | 3842 | 3863 | 3882 | 3898 | 3911 | 3924 |
| 55                 | 3048 | 3063 | 3102 | 3116 | 3149 | 3143 | 3159 | 3173 | 3182 | 3206 | 3225 | 3199 | 3204 | 3248 | 3275 | 3302 | 3318 | 3332 | 3357 |
| 60                 | 2147 | 2173 | 2200 | 2231 | 2241 | 2273 | 2280 | 2295 | 2321 | 2349 | 2357 | 2354 | 2373 | 2431 | 2484 | 2496 | 2512 | 2539 | 2554 |
| 65                 | 1015 | 1035 | 1100 | 1156 | 1236 | 1290 | 1338 | 1353 | 1383 | 1404 | 1413 | 1372 | 1401 | 1467 | 1536 | 1576 | 1605 | 1624 | 1643 |
| 70                 | 277  | 285  | 313  | 341  | 409  | 477  | 497  | 551  | 566  | 591  | 614  | 567  | 563  | 583  | 659  | 721  | 746  | 767  | 786  |
| 75                 | 136  | 141  | 149  | 158  | 166  | 172  | 174  | 181  | 179  | 187  | 206  | 209  | 215  | 226  | 243  | 255  | 263  | 273  | 286  |
| 80                 | 38.5 | 42.3 | 47.2 | 53.2 | 57.1 | 61.6 | 64.9 | 65.1 | 70.9 | 75.6 | 76.7 | 76.8 | 81.5 | 88.0 | 92.2 | 97.0 | 101  | 111  | 119  |
| 85                 | 17.4 | 17.7 | 17.3 | 16.8 | 15.6 | 15.0 | 15.0 | 15.5 | 16.6 | 17.3 | 16.7 | 15.7 | 16.0 | 16.9 | 17.4 | 18.4 | 19.9 | 22.3 | 25.4 |
| 90                 | 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 |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

|   |                       |                     |
|---|-----------------------|---------------------|
| Test:U:221.9V I:0.5701A P:121.6W PF:0.9617 Lamp Flux:16505.5x1 lm |                       |                     |
| NAME: LED HIGH BAY LIGHTT   | TYPE:YHL-ID-120-HB-VD | WEIGHT:             |
| SPEC.:MEAN WELL   | DIM.: 5000K           | SERIAL No.:20161229 |
| MFR.:   | SUR.:70Ra             | PROTECTION ANGLE:   |

Table--4

UNIT: cd

| C(DEG)<br>γ (DEG) | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  |  |  |  |  |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0                 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 | 6344 |  |  |  |  |
| 5                 | 6300 | 6301 | 6302 | 6303 | 6304 | 6306 | 6307 | 6309 | 6311 | 6313 | 6315 | 6318 | 6320 | 6323 | 6326 |  |  |  |  |
| 10                | 6223 | 6224 | 6225 | 6227 | 6229 | 6231 | 6233 | 6237 | 6241 | 6246 | 6251 | 6254 | 6258 | 6263 | 6269 |  |  |  |  |
| 15                | 6095 | 6099 | 6103 | 6105 | 6110 | 6117 | 6124 | 6130 | 6131 | 6135 | 6140 | 6144 | 6149 | 6153 | 6161 |  |  |  |  |
| 20                | 5934 | 5937 | 5940 | 5946 | 5952 | 5958 | 5964 | 5968 | 5974 | 5986 | 5989 | 5992 | 5997 | 6004 | 6013 |  |  |  |  |
| 25                | 5726 | 5731 | 5736 | 5742 | 5750 | 5756 | 5761 | 5767 | 5774 | 5779 | 5789 | 5797 | 5802 | 5811 | 5821 |  |  |  |  |
| 30                | 5475 | 5481 | 5488 | 5496 | 5502 | 5512 | 5516 | 5526 | 5529 | 5536 | 5542 | 5552 | 5559 | 5569 | 5580 |  |  |  |  |
| 35                | 5176 | 5185 | 5191 | 5199 | 5213 | 5217 | 5222 | 5230 | 5237 | 5247 | 5250 | 5256 | 5270 | 5274 | 5287 |  |  |  |  |
| 40                | 4825 | 4833 | 4840 | 4851 | 4857 | 4864 | 4877 | 4881 | 4889 | 4895 | 4907 | 4907 | 4915 | 4926 | 4940 |  |  |  |  |
| 45                | 4407 | 4414 | 4424 | 4438 | 4448 | 4452 | 4458 | 4465 | 4481 | 4480 | 4487 | 4497 | 4494 | 4514 | 4523 |  |  |  |  |
| 50                | 3937 | 3945 | 3957 | 3960 | 3966 | 3976 | 3987 | 3989 | 3992 | 4003 | 4005 | 4010 | 4009 | 4018 | 4033 |  |  |  |  |
| 55                | 3380 | 3382 | 3392 | 3425 | 3455 | 3431 | 3452 | 3447 | 3477 | 3470 | 3487 | 3484 | 3497 | 3491 | 3511 |  |  |  |  |
| 60                | 2592 | 2602 | 2619 | 2628 | 2642 | 2670 | 2695 | 2711 | 2710 | 2735 | 2723 | 2737 | 2726 | 2673 | 2675 |  |  |  |  |
| 65                | 1676 | 1718 | 1736 | 1748 | 1770 | 1787 | 1802 | 1784 | 1790 | 1728 | 1659 | 1581 | 1531 | 1497 | 1490 |  |  |  |  |
| 70                | 797  | 831  | 866  | 885  | 879  | 878  | 887  | 888  | 835  | 749  | 663  | 567  | 483  | 434  | 430  |  |  |  |  |
| 75                | 293  | 302  | 317  | 326  | 308  | 273  | 273  | 272  | 241  | 218  | 206  | 197  | 188  | 185  | 185  |  |  |  |  |
| 80                | 123  | 126  | 128  | 126  | 123  | 118  | 110  | 103  | 95.3 | 86.6 | 78.1 | 71.2 | 65.1 | 59.6 | 60.8 |  |  |  |  |
| 85                | 27.9 | 30.2 | 32.8 | 34.7 | 35.0 | 31.2 | 28.7 | 26.0 | 20.1 | 15.9 | 15.7 | 14.2 | 13.2 | 12.2 | 10.0 |  |  |  |  |
| 90                | 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 |  |  |  |  |

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:CHEN YU  
 Test Date:2016-12-29

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:9.410m [K=1.0000]  
 Remarks: