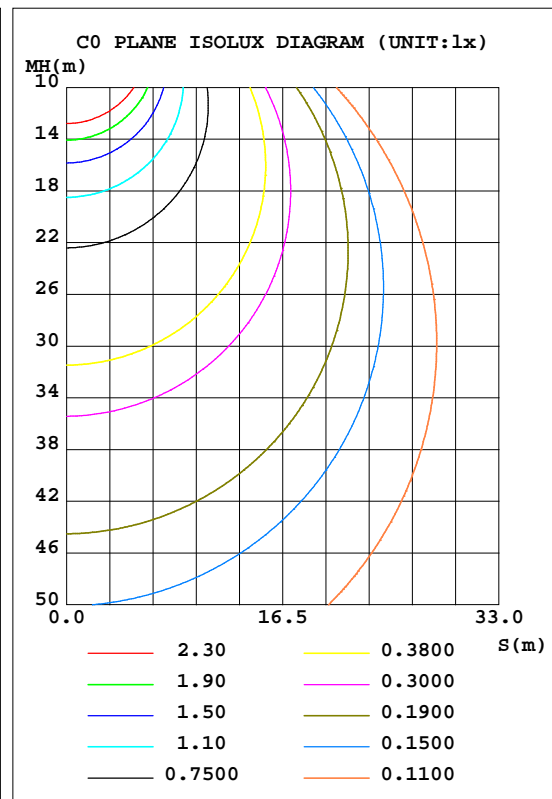
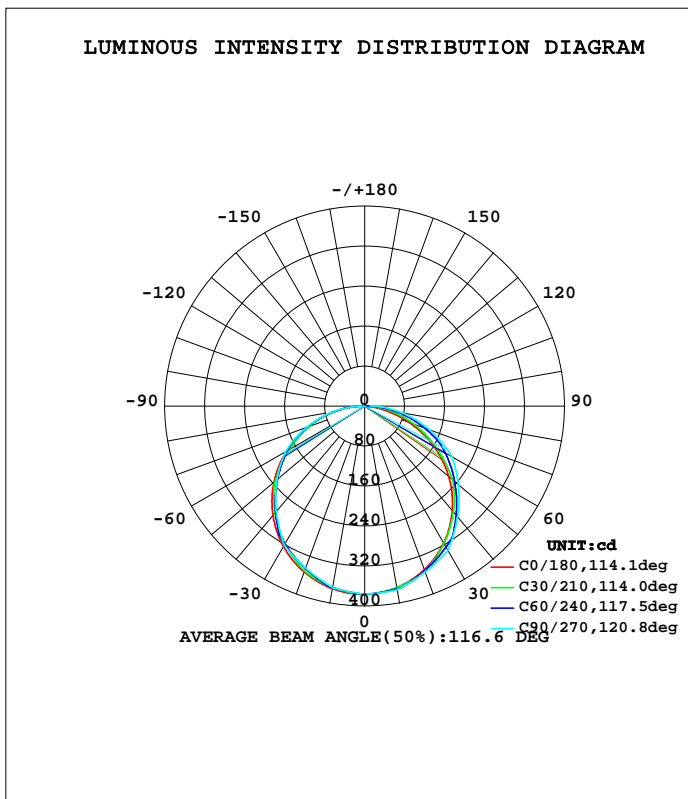


LUMINAIRE PHOTOMETRIC TEST REPORT

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| DATA OF LAMP | | PHOTOMETRIC DATA | | | |
|------------------|------------|-----------------------|--------|--------------------|----------|
| MODEL | BH15-01100 | I _{max} (cd) | 376.5 | S/MH(C0/180) | 1.28 |
| NOMINAL POWER(W) | 18 | LOR(%) | 61.4 | S/MH(C90/270) | 1.26 |
| RATED VOLTAGE(V) | 230 | TOTAL FLUX(lm) | 1131.5 | η UP, DN(C0-180) | 0.0,31.4 |
| NOMINAL FLUX(lm) | 1842.36 | CIE CLASS | DIRECT | η UP, DN(C180-360) | 0.0,30.0 |
| LAMPS INSIDE | 1 | η up(%) | 0.0 | CIBSE SHR NOM | 1.25 |
| TEST VOLTAGE(V) | 230 | η down(%) | 61.4 | CIBSE SHR MAX | 1.35 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | lum, lamp |
|-----|-----------------------|--------|-------|-------|--------|--------|-------|--------|---------|--------|---------|-----------|
| 5 | 374.3 | 374.0 | 374.8 | 374.8 | 375.4 | 373.3 | 372.7 | 372.5 | 0- 5 | 8.963 | 8.963 | 0.79,0.49 |
| 10 | 368.8 | 370.1 | 373.1 | 371.5 | 371.0 | 368.5 | 368.9 | 367.1 | 5- 10 | 26.59 | 35.56 | 3.14,1.93 |
| 15 | 360.2 | 363.3 | 363.1 | 365.5 | 363.7 | 361.1 | 357.0 | 358.9 | 10- 15 | 43.35 | 78.91 | 6.97,4.28 |
| 20 | 348.6 | 350.3 | 353.2 | 353.5 | 353.5 | 347.7 | 345.2 | 344.6 | 15- 20 | 58.55 | 137.5 | 12.1,7.46 |
| 25 | 333.9 | 335.9 | 343.3 | 340.2 | 340.4 | 333.0 | 333.4 | 328.9 | 20- 25 | 71.91 | 209.4 | 18.5,11.4 |
| 30 | 316.3 | 320.3 | 333.4 | 325.8 | 324.7 | 317.3 | 321.5 | 312.0 | 25- 30 | 83.22 | 292.6 | 25.9,15.9 |
| 35 | 295.9 | 303.8 | 311.3 | 310.4 | 306.4 | 300.7 | 298.4 | 294.1 | 30- 35 | 91.92 | 384.5 | 34,20.9 |
| 40 | 272.9 | 284.9 | 289.2 | 292.9 | 285.5 | 281.9 | 275.3 | 274.0 | 35- 40 | 97.22 | 481.7 | 42.6,26.1 |
| 45 | 247.6 | 257.3 | 267.0 | 266.7 | 262.4 | 255.2 | 252.3 | 246.1 | 40- 45 | 99.32 | 581.1 | 51.4,31.5 |
| 50 | 219.8 | 229.5 | 244.9 | 240.3 | 237.2 | 228.2 | 229.2 | 218.0 | 45- 50 | 98.41 | 679.5 | 60,36.9 |
| 55 | 190.1 | 201.6 | 222.8 | 213.8 | 210.1 | 201.2 | 206.1 | 189.8 | 50- 55 | 94.64 | 774.1 | 68.4,42 |
| 60 | 158.7 | 174.0 | 200.6 | 187.4 | 181.2 | 174.5 | 183.0 | 162.0 | 55- 60 | 88.30 | 862.4 | 76.2,46.8 |
| 65 | 126.1 | 146.8 | 169.0 | 161.6 | 151.2 | 148.2 | 152.5 | 138.5 | 60- 65 | 79.27 | 941.7 | 83.2,51.1 |
| 70 | 92.78 | 117.8 | 137.3 | 132.4 | 120.1 | 119.9 | 122.0 | 109.3 | 65- 70 | 67.30 | 1009 | 89.2,54.8 |
| 75 | 59.87 | 86.71 | 105.6 | 99.28 | 88.90 | 89.10 | 91.49 | 78.20 | 70- 75 | 53.32 | 1062 | 93.9,57.7 |
| 80 | 29.27 | 56.99 | 73.96 | 66.80 | 57.95 | 58.96 | 60.99 | 51.33 | 75- 80 | 38.27 | 1101 | 97.3,59.7 |
| 85 | 5.615 | 28.24 | 42.30 | 34.90 | 25.45 | 29.34 | 30.50 | 25.41 | 80- 85 | 22.96 | 1124 | 99.3,61 |
| 90 | 0 | 0.0000 | 10.63 | 3.363 | 0.0000 | 0.0000 | 0 | 0.0000 | 85- 90 | 7.981 | 1131 | 100,61.4 |
| 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 | | | |

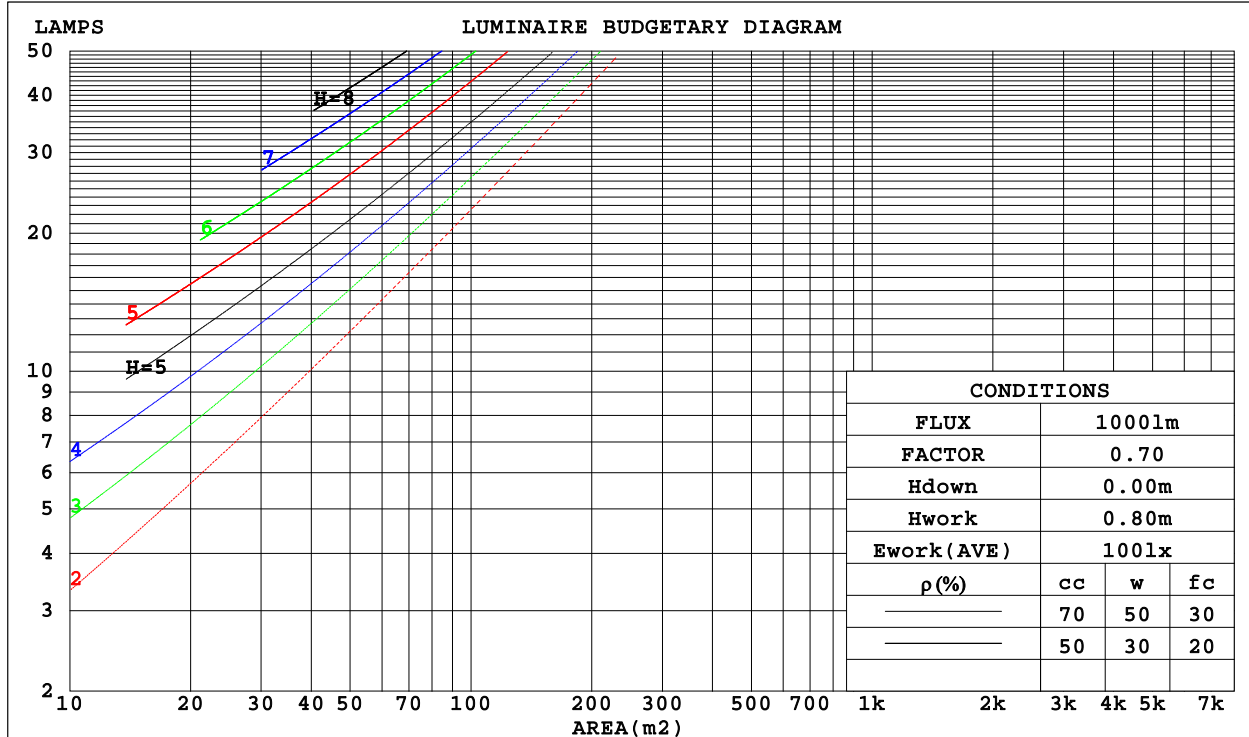
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| | | | | | | | | | | | | | | | | |
|-------------|-----------------------|-----|-----|-----|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ρ_{cc} | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
| ρ_w | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| ρ_{fc} | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Coefficients of Utilization(CU) | | | | | | | | | |
| 0.0 | .73 | .73 | .73 | .71 | .71 | .71 | .68 | .68 | .68 | .65 | .65 | .65 | .63 | .63 | .63 | .61 |
| 1.0 | .63 | .60 | .58 | .62 | .59 | .57 | .59 | .57 | .55 | .57 | .55 | .54 | .55 | .53 | .52 | .51 |
| 2.0 | .55 | .50 | .47 | .54 | .50 | .46 | .51 | .48 | .45 | .49 | .47 | .44 | .48 | .45 | .43 | .42 |
| 3.0 | .48 | .43 | .39 | .47 | .42 | .38 | .45 | .41 | .38 | .43 | .40 | .37 | .42 | .39 | .36 | .35 |
| 4.0 | .42 | .37 | .33 | .42 | .36 | .32 | .40 | .35 | .32 | .39 | .35 | .31 | .37 | .34 | .31 | .30 |
| 5.0 | .38 | .32 | .28 | .37 | .32 | .28 | .36 | .31 | .27 | .35 | .30 | .27 | .33 | .30 | .27 | .25 |
| 6.0 | .34 | .28 | .24 | .33 | .28 | .24 | .32 | .27 | .24 | .31 | .27 | .24 | .30 | .26 | .23 | .22 |
| 7.0 | .31 | .25 | .21 | .30 | .25 | .21 | .29 | .25 | .21 | .28 | .24 | .21 | .28 | .24 | .21 | .20 |
| 8.0 | .28 | .23 | .19 | .28 | .23 | .19 | .27 | .22 | .19 | .26 | .22 | .19 | .25 | .21 | .19 | .17 |
| 9.0 | .26 | .21 | .17 | .25 | .20 | .17 | .25 | .20 | .17 | .24 | .20 | .17 | .23 | .20 | .17 | .16 |
| 10.0 | .24 | .19 | .15 | .23 | .19 | .15 | .23 | .18 | .15 | .22 | .18 | .15 | .22 | .18 | .15 | .14 |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

WEC AND CCEC

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|---------------------------------|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Wall Exitance Coefficients(WEC) | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | |
| 1.0 | .200 | .114 | .036 | .196 | .112 | .036 | .188 | .108 | .034 | .180 | .104 | .033 | .173 | .100 | .032 | |
| 2.0 | .186 | .102 | .031 | .182 | .100 | .031 | .175 | .097 | .030 | .168 | .094 | .030 | .162 | .092 | .029 | |
| 3.0 | .171 | .091 | .027 | .167 | .090 | .027 | .161 | .087 | .027 | .155 | .085 | .026 | .150 | .083 | .026 | |
| 4.0 | .157 | .082 | .024 | .154 | .080 | .024 | .148 | .079 | .023 | .143 | .077 | .023 | .138 | .075 | .023 | |
| 5.0 | .144 | .074 | .021 | .142 | .073 | .021 | .137 | .071 | .021 | .132 | .070 | .021 | .128 | .068 | .020 | |
| 6.0 | .134 | .067 | .019 | .131 | .066 | .019 | .127 | .065 | .019 | .122 | .064 | .019 | .119 | .062 | .019 | |
| 7.0 | .124 | .061 | .017 | .122 | .061 | .017 | .118 | .060 | .017 | .114 | .059 | .017 | .111 | .057 | .017 | |
| 8.0 | .116 | .057 | .016 | .114 | .056 | .016 | .110 | .055 | .016 | .107 | .054 | .016 | .104 | .053 | .015 | |
| 9.0 | .108 | .052 | .015 | .107 | .052 | .015 | .103 | .051 | .014 | .100 | .050 | .014 | .097 | .049 | .014 | |
| 10.0 | .102 | .049 | .014 | .100 | .048 | .013 | .097 | .048 | .013 | .094 | .047 | .013 | .092 | .046 | .013 | |

| pcc | 80% | | | 70% | | | 50% | | | 30% | | | 10% | | | 0 |
|------|-----------------------|------|------|------|------|------|--|------|------|------|------|------|------|------|------|---|
| pw | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0 |
| pfc | 20% | | | 20% | | | 20% | | | 20% | | | 20% | | | 0 |
| RCR | RCR:Room Cavity Ratio | | | | | | Ceiling Cavity Exitance Coefficients(CCEC) | | | | | | | | | |
| 0.0 | .117 | .117 | .117 | .100 | .100 | .100 | .068 | .068 | .068 | .039 | .039 | .039 | .013 | .013 | .013 | |
| 1.0 | .111 | .096 | .082 | .095 | .082 | .070 | .065 | .057 | .049 | .038 | .033 | .028 | .012 | .011 | .009 | |
| 2.0 | .107 | .081 | .059 | .091 | .070 | .051 | .063 | .048 | .036 | .036 | .028 | .021 | .012 | .009 | .007 | |
| 3.0 | .102 | .070 | .045 | .087 | .061 | .039 | .060 | .042 | .027 | .035 | .025 | .016 | .011 | .008 | .005 | |
| 4.0 | .097 | .062 | .035 | .083 | .054 | .031 | .057 | .037 | .022 | .033 | .022 | .013 | .011 | .007 | .004 | |
| 5.0 | .093 | .056 | .029 | .080 | .048 | .025 | .055 | .034 | .018 | .032 | .020 | .010 | .010 | .006 | .003 | |
| 6.0 | .088 | .051 | .024 | .076 | .044 | .021 | .052 | .031 | .015 | .030 | .018 | .009 | .010 | .006 | .003 | |
| 7.0 | .084 | .046 | .020 | .072 | .040 | .018 | .050 | .028 | .012 | .029 | .017 | .007 | .009 | .005 | .002 | |
| 8.0 | .080 | .043 | .017 | .069 | .037 | .015 | .048 | .026 | .011 | .028 | .015 | .006 | .009 | .005 | .002 | |
| 9.0 | .076 | .040 | .015 | .066 | .035 | .013 | .045 | .024 | .009 | .026 | .014 | .006 | .009 | .005 | .002 | |
| 10.0 | .072 | .037 | .014 | .062 | .032 | .012 | .043 | .023 | .008 | .025 | .013 | .005 | .008 | .004 | .002 | |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

| | | | | | | | | | | |
|---|------------------|------|------|------|---------------|----------------|------|-------------------|------|------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | | | | | | | | | |
| NAME: BH15-01100 | | | | | TYPE:SMD LED | | | WEIGHT: | | |
| SPEC.: | | | | | DIM.:260x65.3 | | | SERIAL No.:1 | | |
| MFR.: | | | | | SUR.: | | | PROTECTION ANGLE: | | |
| ceiling/cavity | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| walls | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| Room dimensions | Viewed crosswise | | | | | Viewed endwise | | | | |
| x = 2H y = 2H | 16.9 | 18.4 | 17.2 | 18.6 | 18.8 | 17.8 | 19.3 | 18.0 | 19.5 | 19.7 |
| 3H | 18.2 | 19.7 | 18.5 | 19.9 | 20.2 | 19.7 | 21.1 | 20.0 | 21.3 | 21.6 |
| 4H | 18.7 | 20.1 | 19.0 | 20.3 | 20.6 | 20.5 | 21.9 | 20.8 | 22.1 | 22.4 |
| 6H | 19.0 | 20.3 | 19.3 | 20.5 | 20.8 | 21.3 | 22.6 | 21.6 | 22.8 | 23.1 |
| 8H | 19.0 | 20.2 | 19.3 | 20.5 | 20.8 | 21.6 | 22.8 | 21.9 | 23.1 | 23.4 |
| 12H | 19.0 | 20.2 | 19.3 | 20.5 | 20.8 | 21.8 | 23.0 | 22.2 | 23.3 | 23.6 |
| 4H 2H | 17.6 | 19.0 | 17.9 | 19.3 | 19.5 | 18.3 | 19.7 | 18.6 | 20.0 | 20.2 |
| 3H | 19.2 | 20.4 | 19.5 | 20.7 | 21.0 | 20.4 | 21.6 | 20.8 | 21.9 | 22.2 |
| 4H | 19.8 | 20.9 | 20.2 | 21.2 | 21.6 | 21.4 | 22.5 | 21.8 | 22.9 | 23.2 |
| 6H | 20.1 | 21.1 | 20.5 | 21.5 | 21.9 | 22.3 | 23.3 | 22.7 | 23.7 | 24.0 |
| 8H | 20.2 | 21.1 | 20.6 | 21.5 | 21.9 | 22.7 | 23.6 | 23.1 | 24.0 | 24.4 |
| 12H | 20.2 | 21.1 | 20.6 | 21.4 | 21.9 | 23.1 | 23.9 | 23.5 | 24.3 | 24.7 |
| 8H 4H | 20.3 | 21.2 | 20.7 | 21.5 | 21.9 | 21.7 | 22.6 | 22.1 | 23.0 | 23.3 |
| 6H | 20.8 | 21.6 | 21.3 | 22.0 | 22.4 | 22.8 | 23.5 | 23.2 | 23.9 | 24.4 |
| 8H | 21.0 | 21.7 | 21.4 | 22.1 | 22.5 | 23.3 | 24.0 | 23.7 | 24.4 | 24.8 |
| 12H | 21.0 | 21.6 | 21.5 | 22.1 | 22.6 | 23.8 | 24.4 | 24.2 | 24.8 | 25.3 |
| 12H 4H | 20.3 | 21.2 | 20.8 | 21.6 | 22.0 | 21.7 | 22.5 | 22.1 | 22.9 | 23.3 |
| 6H | 21.0 | 21.6 | 21.4 | 22.1 | 22.5 | 22.8 | 23.5 | 23.3 | 23.9 | 24.4 |
| 8H | 21.2 | 21.8 | 21.7 | 22.2 | 22.7 | 23.4 | 24.0 | 23.9 | 24.4 | 24.9 |
| Variations with the observer position at spacings: | | | | | | | | | | |
| S = 1.0H | + 0.2 / - 0.2 | | | | | + 0.1 / - 0.2 | | | | |
| 1.5H | + 0.2 / - 0.3 | | | | | + 0.1 / - 0.3 | | | | |
| 2.0H | + 0.2 / - 0.3 | | | | | + 0.2 / - 0.3 | | | | |

CIE Pub.117 Corrected 1842 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.1)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

| REFLECTANCE | | | | | | | | | | |
|----------------------------------|--|-----|-----------|-----|-----|-----|---------------|-----|-----|--------|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0 |
| Walls | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0 |
| Working plane | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0 |
| ROOM INDEX | UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5 | | | | | | | | | |
| k = 0.60 | 35 | 27 | 23 | 34 | 27 | 23 | 33 | 27 | 23 | 19 |
| 0.80 | 41 | 33 | 29 | 40 | 33 | 29 | 39 | 33 | 28 | 24 |
| 1.00 | 46 | 39 | 34 | 45 | 39 | 34 | 44 | 39 | 34 | 29 |
| 1.25 | 50 | 44 | 39 | 49 | 43 | 39 | 48 | 42 | 38 | 34 |
| 1.50 | 53 | 47 | 43 | 52 | 47 | 42 | 50 | 45 | 42 | 37 |
| 2.00 | 58 | 52 | 48 | 56 | 51 | 48 | 54 | 50 | 47 | 42 |
| 2.50 | 60 | 55 | 51 | 59 | 54 | 51 | 56 | 53 | 50 | 44 |
| 3.00 | 62 | 58 | 54 | 61 | 57 | 54 | 58 | 55 | 52 | 47 |
| 4.00 | 65 | 61 | 58 | 63 | 60 | 57 | 61 | 58 | 56 | 50 |
| 5.00 | 66 | 63 | 61 | 65 | 62 | 60 | 62 | 60 | 58 | 52 |
| 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:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

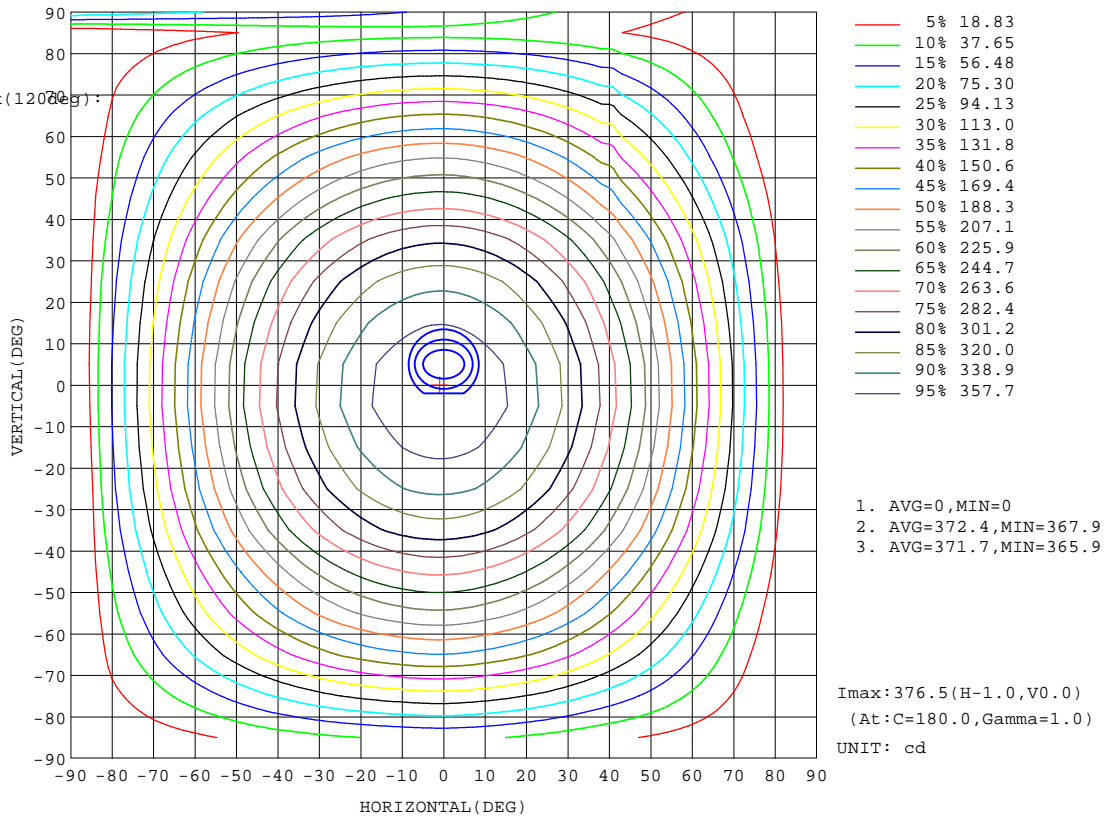
| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Conical surface Flux(90deg):

581.05 lm
%lum = 51.4%
%lamp = 31.5%

Conical surface Flux(120deg):

862.39 lm
%lum = 76.2%
%lamp = 46.8%



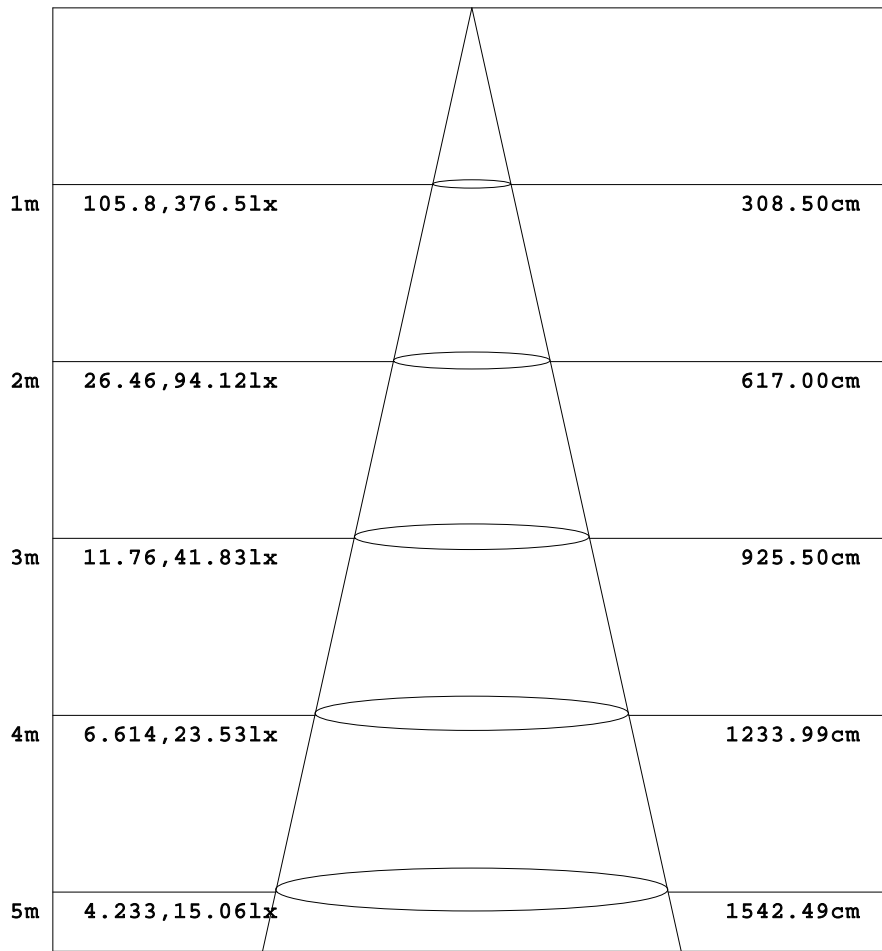
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.500m [K=1.0000]
Remarks:

AAI Figure

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Flux out:819.2 lm



Height Eavg, Emax Angle: 114.09deg Diameter

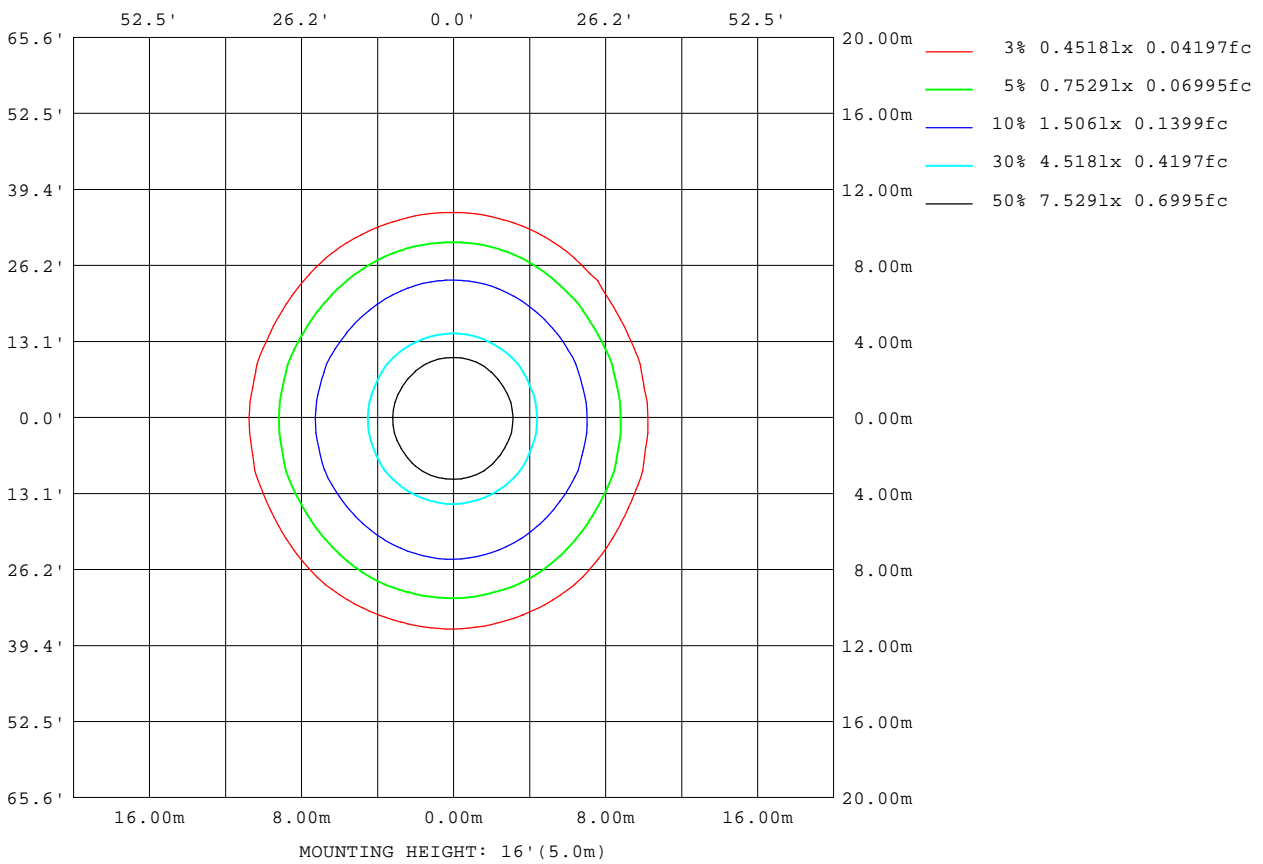
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity: 65.0%
Test Distance: 12.500m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

| | | |
|---|---------------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE:SMD LED | WEIGHT: |
| SPEC.: | DIM.:260x65.3 | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity:65.0%
 Test Distance:12.500m [K=1.0000]
 Remarks:

LED Avg.L Report

| | | |
|---|-------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

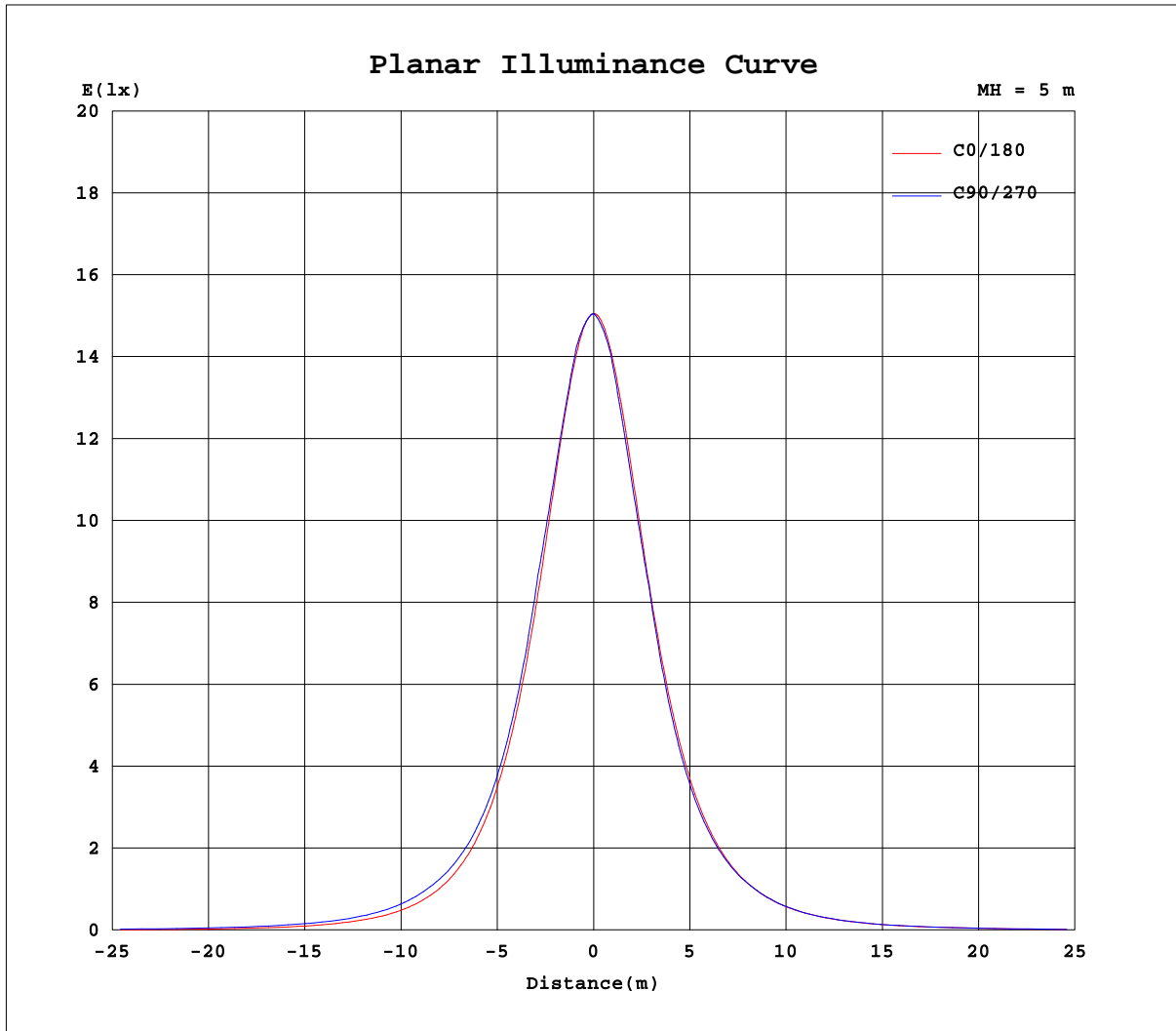
| AvgL | cd/m2 |
|----------------|-------|
| L_0~180(65)av | 3281 |
| L_0~180(75)av | 2874 |
| L_0~180(85)av | 1782 |
| L_90~270(65)av | 3803 |
| L_90~270(75)av | 3808 |
| L_90~270(85)av | 4176 |
| L_45(65)av | 3520 |
| L_45(75)av | 3413 |
| L_45(85)av | 3381 |

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 12.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--1

UNIT: cd

| C(DEG) γ (DEG) | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 |
| 5 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 374 | 375 | 375 | 375 | 375 |
| 10 | 369 | 369 | 368 | 368 | 369 | 369 | 369 | 369 | 370 | 370 | 370 | 371 | 371 | 372 | 372 | 372 | 373 | 373 | 373 |
| 15 | 360 | 360 | 360 | 360 | 360 | 361 | 362 | 362 | 363 | 363 | 363 | 363 | 363 | 363 | 363 | 363 | 363 | 363 | 363 |
| 20 | 349 | 348 | 348 | 349 | 349 | 351 | 352 | 351 | 350 | 350 | 350 | 351 | 351 | 351 | 352 | 352 | 353 | 353 | 353 |
| 25 | 334 | 333 | 334 | 335 | 336 | 336 | 335 | 335 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 342 | 343 | 343 |
| 30 | 316 | 316 | 316 | 318 | 318 | 318 | 317 | 318 | 319 | 320 | 322 | 324 | 326 | 328 | 329 | 331 | 332 | 333 | 333 |
| 35 | 296 | 296 | 297 | 298 | 297 | 297 | 298 | 299 | 301 | 304 | 307 | 309 | 310 | 309 | 310 | 310 | 310 | 311 | 311 |
| 40 | 273 | 273 | 274 | 274 | 274 | 274 | 276 | 279 | 282 | 285 | 284 | 284 | 285 | 285 | 286 | 287 | 288 | 289 | 289 |
| 45 | 248 | 248 | 250 | 248 | 249 | 251 | 254 | 258 | 257 | 257 | 258 | 259 | 260 | 261 | 263 | 264 | 265 | 266 | 267 |
| 50 | 220 | 220 | 221 | 220 | 222 | 225 | 229 | 228 | 228 | 230 | 231 | 233 | 235 | 237 | 239 | 241 | 243 | 244 | 245 |
| 55 | 190 | 191 | 191 | 191 | 194 | 198 | 197 | 198 | 199 | 202 | 204 | 207 | 211 | 213 | 216 | 218 | 220 | 222 | 223 |
| 60 | 159 | 160 | 159 | 161 | 165 | 164 | 165 | 167 | 170 | 174 | 178 | 182 | 186 | 189 | 192 | 195 | 197 | 199 | 201 |
| 65 | 126 | 127 | 127 | 131 | 131 | 132 | 134 | 138 | 142 | 147 | 152 | 156 | 159 | 161 | 163 | 165 | 166 | 168 | 169 |
| 70 | 92.8 | 93.4 | 94.8 | 96.3 | 97.1 | 100 | 104 | 109 | 114 | 118 | 121 | 124 | 127 | 129 | 131 | 133 | 135 | 136 | 137 |
| 75 | 59.9 | 60.3 | 62.6 | 63.1 | 66.1 | 70.5 | 75.5 | 79.8 | 83.5 | 86.7 | 89.6 | 92.3 | 95.1 | 97.7 | 99.7 | 102 | 103 | 105 | 106 |
| 80 | 29.3 | 30.4 | 31.4 | 34.0 | 38.8 | 43.9 | 48.1 | 51.6 | 54.5 | 57.0 | 59.1 | 61.4 | 63.9 | 66.2 | 68.3 | 70.1 | 71.7 | 73.2 | 74.0 |
| 85 | 5.61 | 6.55 | 9.11 | 13.8 | 17.7 | 20.9 | 23.3 | 25.3 | 26.9 | 28.2 | 29.4 | 31.0 | 33.0 | 35.1 | 37.0 | 38.7 | 40.3 | 41.6 | 42.3 |
| 90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.09 | 0.81 | 2.36 | 4.07 | 5.83 | 7.41 | 8.88 | 10.0 | 10.6 |
| | | | | | | | | | | | | | | | | | | | |
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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 V2.0.290
 Temperature: 25.3DEG Humidity: 65.0%
 Operators: Test Distance: 12.500m [K=1.0000]
 Test Date: 2019-05-23 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--2

UNIT: cd

| C(DEC) | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| γ (DEC) | | | | | | | | | | | | | | | | | | | |
| 0 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 |
| 5 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 | 375 |
| 10 | 373 | 373 | 373 | 373 | 373 | 372 | 372 | 372 | 371 | 371 | 371 | 371 | 371 | 370 | 370 | 371 | 371 | 371 | 370 |
| 15 | 363 | 363 | 364 | 364 | 364 | 364 | 364 | 365 | 365 | 366 | 365 | 364 | 364 | 363 | 363 | 363 | 363 | 364 | 363 |
| 20 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 353 | 354 | 355 | 356 | 355 | 354 | 353 | 353 | 353 | 354 | 352 |
| 25 | 343 | 343 | 343 | 343 | 342 | 342 | 341 | 340 | 340 | 340 | 341 | 342 | 342 | 342 | 341 | 340 | 340 | 340 | 339 |
| 30 | 333 | 333 | 333 | 332 | 331 | 329 | 328 | 327 | 326 | 325 | 324 | 324 | 325 | 326 | 326 | 325 | 324 | 325 | 323 |
| 35 | 312 | 312 | 312 | 313 | 313 | 314 | 315 | 313 | 310 | 309 | 307 | 306 | 306 | 306 | 308 | 307 | 306 | 306 | 305 |
| 40 | 289 | 290 | 290 | 290 | 290 | 290 | 291 | 292 | 293 | 291 | 289 | 287 | 285 | 285 | 286 | 286 | 285 | 286 | 284 |
| 45 | 267 | 267 | 267 | 267 | 266 | 266 | 266 | 266 | 267 | 268 | 269 | 266 | 263 | 262 | 262 | 264 | 262 | 262 | 261 |
| 50 | 245 | 245 | 244 | 244 | 243 | 242 | 241 | 241 | 240 | 240 | 241 | 243 | 240 | 238 | 237 | 238 | 237 | 237 | 235 |
| 55 | 223 | 222 | 222 | 221 | 219 | 218 | 217 | 215 | 214 | 213 | 212 | 213 | 215 | 212 | 210 | 210 | 210 | 210 | 208 |
| 60 | 201 | 200 | 199 | 198 | 196 | 194 | 192 | 190 | 187 | 185 | 184 | 183 | 183 | 185 | 182 | 180 | 182 | 181 | 180 |
| 65 | 169 | 169 | 168 | 168 | 168 | 168 | 167 | 165 | 162 | 159 | 156 | 154 | 152 | 153 | 154 | 151 | 152 | 151 | 150 |
| 70 | 137 | 137 | 136 | 136 | 136 | 135 | 134 | 133 | 132 | 132 | 129 | 125 | 123 | 121 | 121 | 121 | 120 | 120 | 118 |
| 75 | 106 | 105 | 104 | 104 | 103 | 102 | 101 | 100 | 99.3 | 98.2 | 97.2 | 96.5 | 94.3 | 90.9 | 89.0 | 89.8 | 88.1 | 88.9 | 86.7 |
| 80 | 73.7 | 73.0 | 72.4 | 71.7 | 71.0 | 70.0 | 68.9 | 68.0 | 66.8 | 65.4 | 64.2 | 63.1 | 62.3 | 61.7 | 59.6 | 57.6 | 58.0 | 58.0 | 57.0 |
| 85 | 41.9 | 41.1 | 40.4 | 39.7 | 38.9 | 38.0 | 36.9 | 36.1 | 34.9 | 33.4 | 32.2 | 31.2 | 30.5 | 29.9 | 29.4 | 29.4 | 25.2 | 25.5 | 24.8 |
| 90 | 10.1 | 9.28 | 8.54 | 7.75 | 6.92 | 6.06 | 5.08 | 4.42 | 3.36 | 1.95 | 0.93 | 0.16 | 0.00 | 0.04 | 0.16 | 0.34 | 0.13 | 0.00 | 0.00 |

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2019-05-23

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.290
 Humidity: 65.0%
 Test Distance: 12.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--3

UNIT: cd

| C(DEG) γ (DEG) | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 |
| 5 | 375 | 374 | 374 | 374 | 374 | 374 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 |
| 10 | 370 | 369 | 369 | 369 | 369 | 369 | 368 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 | 369 |
| 15 | 362 | 362 | 361 | 361 | 361 | 361 | 362 | 361 | 360 | 359 | 359 | 358 | 358 | 358 | 357 | 357 | 357 | 357 | 357 |
| 20 | 352 | 351 | 351 | 351 | 351 | 350 | 349 | 348 | 347 | 346 | 346 | 346 | 346 | 346 | 345 | 345 | 345 | 345 | 345 |
| 25 | 338 | 338 | 338 | 338 | 336 | 334 | 334 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 | 333 |
| 30 | 322 | 323 | 322 | 320 | 318 | 318 | 317 | 317 | 318 | 318 | 319 | 320 | 320 | 321 | 321 | 322 | 322 | 321 | 320 |
| 35 | 304 | 304 | 302 | 300 | 299 | 299 | 300 | 301 | 302 | 303 | 302 | 301 | 300 | 299 | 299 | 299 | 298 | 298 | 298 |
| 40 | 284 | 282 | 280 | 279 | 279 | 280 | 281 | 282 | 280 | 278 | 277 | 277 | 276 | 276 | 276 | 276 | 275 | 275 | 274 |
| 45 | 261 | 258 | 256 | 256 | 257 | 259 | 257 | 255 | 254 | 253 | 253 | 252 | 252 | 252 | 252 | 252 | 252 | 252 | 251 |
| 50 | 235 | 232 | 231 | 233 | 234 | 231 | 229 | 228 | 228 | 228 | 228 | 228 | 228 | 229 | 229 | 229 | 229 | 229 | 228 |
| 55 | 207 | 205 | 206 | 207 | 204 | 202 | 201 | 201 | 202 | 202 | 203 | 204 | 205 | 205 | 206 | 206 | 206 | 205 | 204 |
| 60 | 177 | 177 | 179 | 176 | 174 | 173 | 174 | 174 | 176 | 177 | 178 | 179 | 181 | 182 | 182 | 183 | 183 | 182 | 181 |
| 65 | 147 | 149 | 146 | 145 | 145 | 145 | 147 | 148 | 150 | 151 | 152 | 152 | 152 | 152 | 152 | 153 | 152 | 152 | 151 |
| 70 | 117 | 117 | 115 | 115 | 116 | 118 | 120 | 120 | 120 | 120 | 121 | 121 | 121 | 122 | 122 | 122 | 122 | 122 | 121 |
| 75 | 87.0 | 85.1 | 85.6 | 87.3 | 88.4 | 88.4 | 88.8 | 89.1 | 89.5 | 89.9 | 90.3 | 90.6 | 90.9 | 91.2 | 91.4 | 91.5 | 91.5 | 91.1 | 90.4 |
| 80 | 55.7 | 56.5 | 57.4 | 57.5 | 57.8 | 58.2 | 58.6 | 59.0 | 59.3 | 59.7 | 60.0 | 60.3 | 60.6 | 60.8 | 60.9 | 61.0 | 61.0 | 60.7 | 60.2 |
| 85 | 28.0 | 27.7 | 27.9 | 28.2 | 28.5 | 28.8 | 29.1 | 29.3 | 29.6 | 29.8 | 30.0 | 30.1 | 30.3 | 30.4 | 30.5 | 30.5 | 30.5 | 30.4 | 30.1 |
| 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:25.3DEG
Operators:
Test Date:2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

| | | |
|---|-------|-------------------|
| Test:U:230.0V I:0.1501A P:18.10W PF:0.5241 Lamp Flux:1842.36x1 lm | | |
| NAME: BH15-01100 | TYPE: | WEIGHT: |
| SPEC.: | DIM.: | SERIAL No.:1 |
| MFR.: | SUR.: | PROTECTION ANGLE: |

Table--4

UNIT: cd

| C(DEG) γ (DEG) | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | | | | |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|--|--|
| 0 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | 376 | | | | |
| 5 | 373 | 373 | 372 | 372 | 372 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 373 | 374 | 374 | | | | |
| 10 | 368 | 368 | 368 | 368 | 367 | 367 | 367 | 367 | 367 | 367 | 367 | 367 | 367 | 368 | 368 | | | | |
| 15 | 357 | 357 | 357 | 357 | 358 | 358 | 359 | 359 | 359 | 359 | 358 | 358 | 358 | 359 | 359 | | | | |
| 20 | 345 | 344 | 344 | 344 | 344 | 344 | 345 | 345 | 346 | 347 | 347 | 347 | 347 | 347 | 347 | | | | |
| 25 | 332 | 331 | 331 | 330 | 330 | 329 | 329 | 329 | 330 | 330 | 332 | 333 | 332 | 332 | 333 | | | | |
| 30 | 319 | 318 | 317 | 316 | 314 | 313 | 312 | 311 | 311 | 311 | 313 | 314 | 315 | 314 | 315 | | | | |
| 35 | 298 | 298 | 298 | 298 | 298 | 296 | 294 | 292 | 291 | 291 | 291 | 292 | 295 | 294 | 294 | | | | |
| 40 | 274 | 273 | 273 | 273 | 273 | 273 | 274 | 272 | 270 | 269 | 268 | 268 | 270 | 271 | 271 | | | | |
| 45 | 250 | 249 | 248 | 247 | 246 | 246 | 246 | 247 | 248 | 245 | 243 | 243 | 244 | 247 | 246 | | | | |
| 50 | 226 | 225 | 223 | 222 | 220 | 219 | 218 | 218 | 219 | 220 | 218 | 216 | 216 | 218 | 218 | | | | |
| 55 | 203 | 201 | 198 | 196 | 194 | 192 | 190 | 189 | 188 | 188 | 190 | 188 | 186 | 187 | 189 | | | | |
| 60 | 179 | 177 | 174 | 171 | 168 | 165 | 162 | 161 | 157 | 156 | 156 | 158 | 156 | 155 | 158 | | | | |
| 65 | 150 | 148 | 146 | 144 | 142 | 138 | 138 | 131 | 127 | 125 | 123 | 124 | 125 | 123 | 125 | | | | |
| 70 | 119 | 118 | 116 | 114 | 112 | 110 | 109 | 103 | 98.4 | 94.6 | 91.7 | 90.2 | 90.6 | 90.6 | 91.2 | | | | |
| 75 | 89.5 | 88.3 | 87.0 | 85.3 | 83.3 | 81.7 | 78.2 | 74.8 | 70.9 | 66.4 | 62.0 | 59.0 | 57.5 | 58.3 | 58.0 | | | | |
| 80 | 59.6 | 58.8 | 57.8 | 56.6 | 55.2 | 54.7 | 51.3 | 48.8 | 45.7 | 42.1 | 37.7 | 32.5 | 28.6 | 27.6 | 28.0 | | | | |
| 85 | 29.8 | 29.3 | 28.8 | 28.2 | 27.5 | 27.5 | 25.4 | 24.0 | 22.4 | 20.3 | 17.8 | 14.7 | 10.8 | 6.33 | 5.15 | | | | |
| 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:25.3DEG
Operators:
Test Date:2019-05-23

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.290
Humidity:65.0%
Test Distance:12.500m [K=1.0000]
Remarks:

Spectrum Test Report

Sample : 18W 3000K
Specification : BH15-01100
Sample No. : 1
Manufacturer :

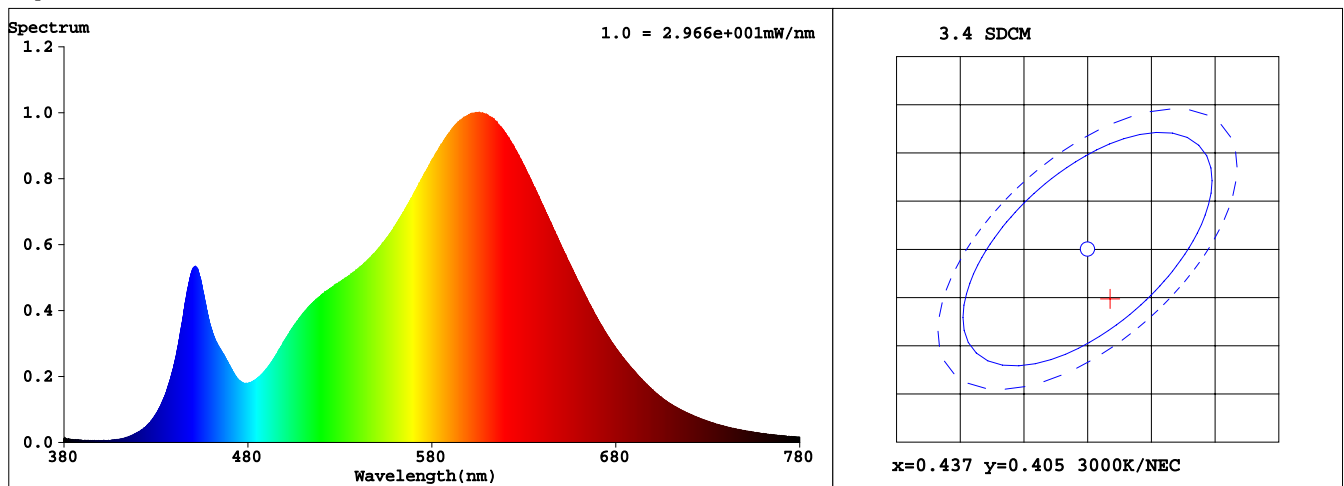
Date : 2018-10-26
Sam. Status : 230V/50HZ
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 49403 (75%)
T : 88 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4388$ $y = 0.3998$ / $u' = 0.2536$ $v' = 0.5200$ ($duv = -1.93e-03$)

CCT= 2935K Prcp WL: $L_d = 583.8\text{nm}$ Purity=51.7%

Peak WL: $L_p = 606\text{nm}$ FWHM: $= 124.8\text{nm}$ Ratio: R=23.6% G=73.9% B=2.5%

Render Index: $R_a = 83.3$ CRI = 78.4 AvgR = 78.2

R1 =82 R2 =92 R3 =96 R4 =81 R5 =83 R6 =91 R7 =82

R8 =59 R9 =10 R10=82 R11=81 R12=75 R13=84 R14=98 R15=75

Photometric & Radiometric Parameters

Flux = 1421.7 lm Eff. : 75.45 lm/W $F_e = 4.3946\text{ W}$

Electrical parameters

V = 230.0 V I = 0.1569 A P = 18.84 W PF = 0.5224 F=49.99 Hz

Spectrum Test Report

Sample : 18W 3000K
Specification : BH15-01100
Sample No. : 2
Manufacturer :

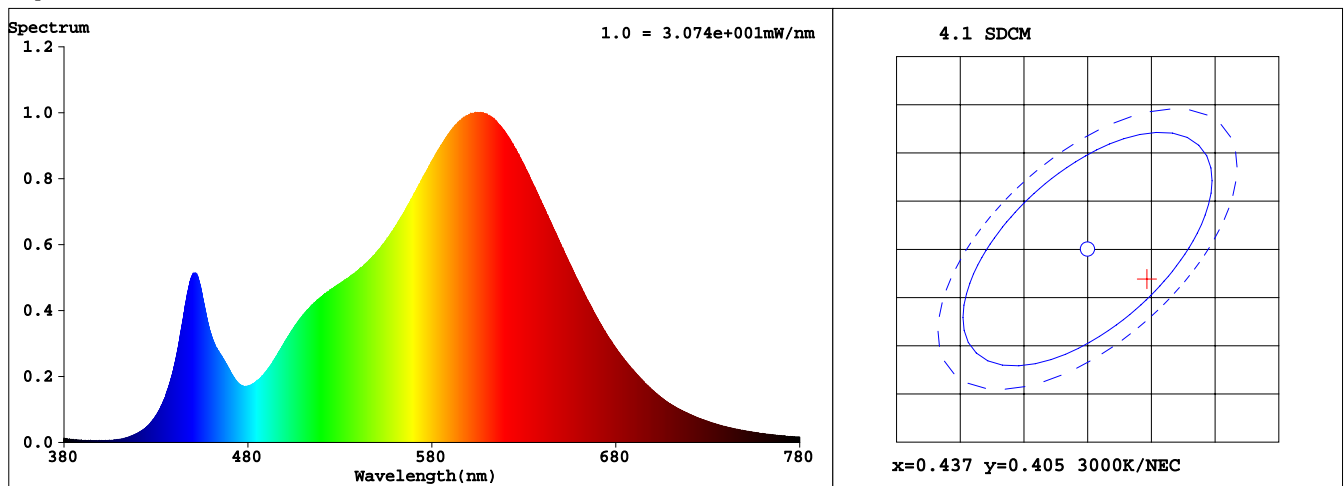
Date : 2018-10-26
Sam. Status : 230V/50HZ
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 51189 (78%)
T : 88 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.4417$ $y = 0.4019$ / $u' = 0.2546$ $v' = 0.5212$ ($duv = -1.47e-03$)

CCT= 2904K Prcp WL: Ld=583.8nm Purity=53.2%

Peak WL: Lp=604nm FWHM: =123.5nm Ratio:R=23.7% G=73.8% B=2.5%

Render Index: Ra = 83.0 CRI = 78.1 AvgR = 77.8

R1 =82 R2 =92 R3 =96 R4 =81 R5 =82 R6 =90 R7 =82

R8 =59 R9 =9 R10=81 R11=81 R12=75 R13=84 R14=98 R15=74

Photometric & Radiometric Parameters

Flux = 1465.9 lm Eff. : 76.32 lm/W Fe = 4.5164 W

Electrical parameters

V = 230.1 V I = 0.1589 A P = 19.21 W PF = 0.5257 F=49.99 Hz

Spectrum Test Report

Sample : 18W 6500K
Specification : BH15-01130
Sample No. : 1
Manufacturer :

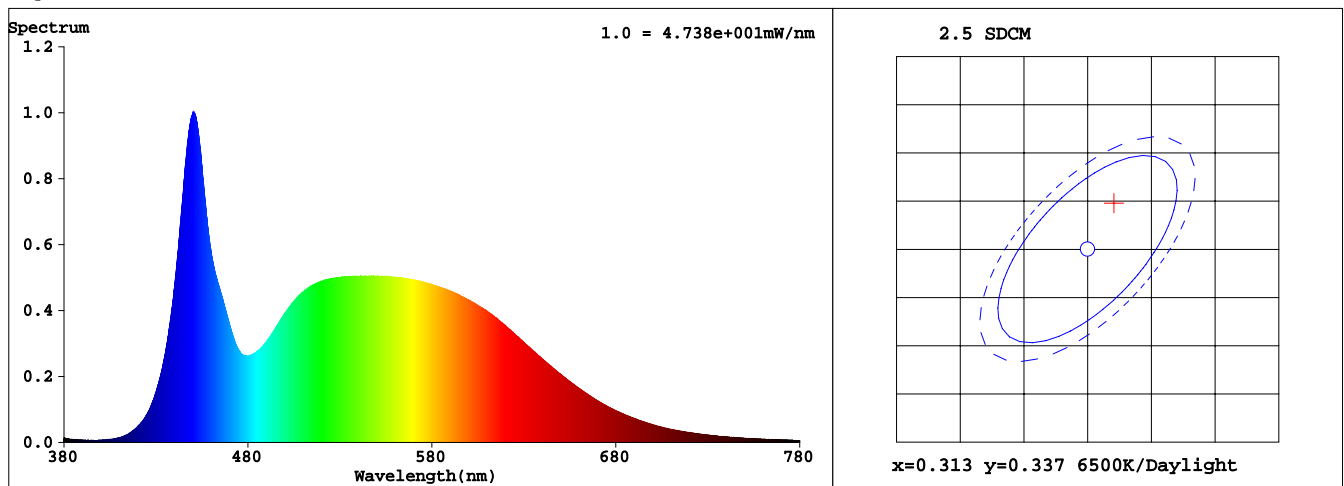
Date : 2018-10-26
Sam. Status : 230V/50HZ
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 47835 (73%)
T : 88 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3151$ $y = 0.3418$ / $u' = 0.1948$ $v' = 0.4753$ ($duv=8.45e-03$)

CCT= 6302K Prcp WL: $L_d=497.7nm$ Purity=5.7%

Peak WL: $L_p=450nm$ FWHM: $=22.3nm$ Ratio:R=13.3% G=81.2% B=5.5%

Render Index: $R_a = 83.2$ $CRI = 75.7$ $AvgR = 75.7$

R1 =80 R2 =87 R3 =92 R4 =83 R5 =81 R6 =83 R7 =89

R8 =70 R9 =6 R10=70 R11=82 R12=60 R13=82 R14=96 R15=74

Photometric & Radiometric Parameters

Flux = 1562.3 lm Eff. : 79.21 lm/W $F_e = 4.9949 W$

Electrical parameters

V = 230.0 V I = 0.1629 A P = 19.72 W PF = 0.5264 F=50.00 Hz

Spectrum Test Report

Sample : 18W 6500K
Specification : BH15-01130
Sample No. : 2
Manufacturer :

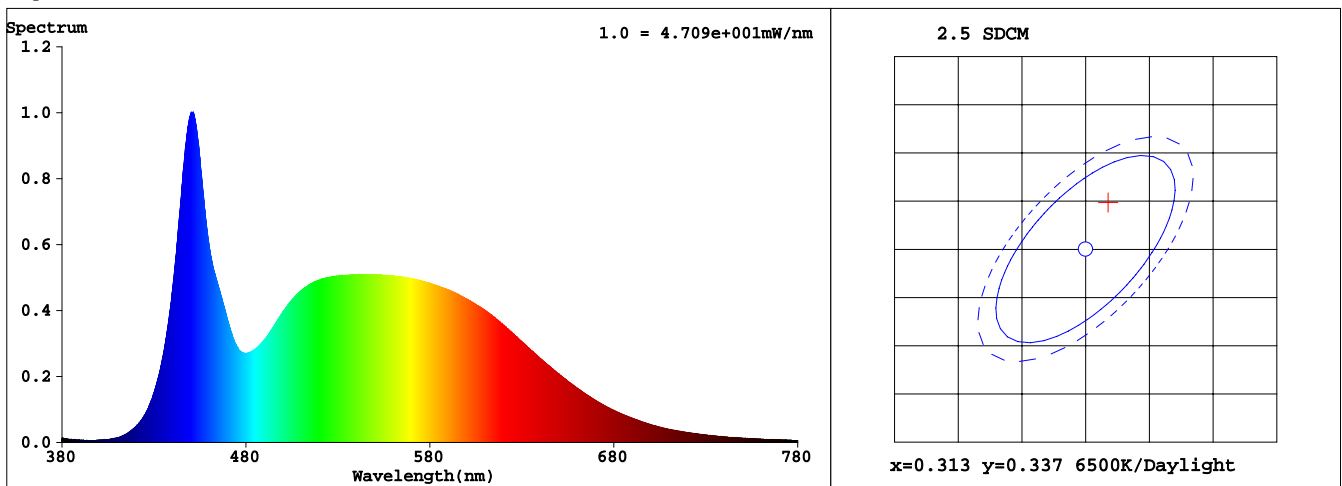
Date : 2018-10-26
Sam. Status : 230V/50HZ
Instrument : HaasSuite(EVERFINE)
Test by : DAMIN
Assessor : damin

Test Condition

Temperature : 25.3Deg
WL Range : 380nm-780nm
Test Mode : Fast Test

RH : 65.0%
IP : 47895 (73%)
T : 88 ms
Sensitivity : High

Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3148$ $y = 0.3418$ / $u' = 0.1945$ $v' = 0.4753$ ($duv=8.63e-03$)

CCT= 6317K Prcp WL: $L_d=497.6nm$ Purity=5.8%

Peak WL: $L_p=451nm$ FWHM: $=22.8nm$ Ratio:R=13.2% G=81.2% B=5.6%

Render Index: $R_a = 83.2$ $CRI = 75.8$ $AvgR = 75.7$

R1 =80 R2 =87 R3 =93 R4 =83 R5 =81 R6 =83 R7 =89

R8 =70 R9 =6 R10=70 R11=82 R12=60 R13=82 R14=96 R15=74

Photometric & Radiometric Parameters

Flux = 1566.3 lm Eff. : 80.32 lm/W $F_e = 5.0096 W$

Electrical parameters

V = 230.0 V I = 0.1625 A P = 19.50 W PF = 0.5218 F=49.99 Hz