



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(5000K).IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Nick

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 27 December 2019

[ISSUEDATE] 2019-12-27 15:08:33

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMINAIRE] FPB 14 SEL(30W) UV FR 8SEL(5000K)

[OTHER]

| [OTHER] | Gamma(deg) | Fz(lm) | Ft(lm) | %Lum | %Lamp |
|---------|------------|--------|--------|------|-------|
|---------|------------|--------|--------|------|-------|

|         |       |        |        |      |      |
|---------|-------|--------|--------|------|------|
| [OTHER] | 0- 10 | 122.52 | 122.52 | 3.20 | 3.20 |
|---------|-------|--------|--------|------|------|

|         |        |        |        |       |       |
|---------|--------|--------|--------|-------|-------|
| [OTHER] | 10- 20 | 352.08 | 474.60 | 12.39 | 12.39 |
|---------|--------|--------|--------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 20- 30 | 536.87 | 1011.47 | 26.41 | 26.41 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 30- 40 | 652.34 | 1663.81 | 43.44 | 43.44 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 40- 50 | 682.38 | 2346.19 | 61.25 | 61.25 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 50- 60 | 622.56 | 2968.75 | 77.50 | 77.50 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 60- 70 | 482.48 | 3451.23 | 90.10 | 90.10 |
|---------|--------|--------|---------|-------|-------|

|         |        |        |         |       |       |
|---------|--------|--------|---------|-------|-------|
| [OTHER] | 70- 80 | 289.66 | 3740.90 | 97.66 | 97.66 |
|---------|--------|--------|---------|-------|-------|

|         |        |       |         |       |       |
|---------|--------|-------|---------|-------|-------|
| [OTHER] | 80- 90 | 86.51 | 3827.41 | 99.92 | 99.92 |
|---------|--------|-------|---------|-------|-------|

|         |        |      |         |       |       |
|---------|--------|------|---------|-------|-------|
| [OTHER] | 90-100 | 0.50 | 3827.91 | 99.93 | 99.93 |
|---------|--------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 100-110 | 0.28 | 3828.19 | 99.94 | 99.94 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 110-120 | 0.34 | 3828.53 | 99.95 | 99.95 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 120-130 | 0.32 | 3828.85 | 99.96 | 99.96 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 130-140 | 0.41 | 3829.26 | 99.97 | 99.97 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 140-150 | 0.42 | 3829.68 | 99.98 | 99.98 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |       |       |
|---------|---------|------|---------|-------|-------|
| [OTHER] | 150-160 | 0.37 | 3830.04 | 99.99 | 99.99 |
|---------|---------|------|---------|-------|-------|

|         |         |      |         |        |        |
|---------|---------|------|---------|--------|--------|
| [OTHER] | 160-170 | 0.29 | 3830.33 | 100.00 | 100.00 |
|---------|---------|------|---------|--------|--------|

|         |         |      |         |        |        |
|---------|---------|------|---------|--------|--------|
| [OTHER] | 170-180 | 0.12 | 3830.45 | 100.00 | 100.00 |
|---------|---------|------|---------|--------|--------|

[OTHER]

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(5000K).IES**

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 3830            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 127             |
| Total Luminaire Watts           | 30.1            |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Direct          |
| Spacing Criterion (0-180)       | 1.26            |
| Spacing Criterion (90-270)      | 1.28            |
| Spacing Criterion (Diagonal)    | 1.42            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 3.95 ft         |
| Luminous Width (90-270)         | 0.95 ft         |
| Luminous Height                 | 0.00 ft         |

**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 3502             | 3578              | 3566              |
| 55                  | 3371             | 3459              | 3451              |
| 65                  | 3165             | 3252              | 3263              |
| 75                  | 2842             | 2921              | 2970              |
| 85                  | 2121             | 2252              | 2478              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(5000K).IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 474.60  | N.A.  | 12.40  |
| 0-30    | 1011.47 | N.A.  | 26.40  |
| 0-40    | 1663.81 | N.A.  | 43.40  |
| 0-60    | 2968.75 | N.A.  | 77.50  |
| 0-80    | 3740.89 | N.A.  | 97.70  |
| 0-90    | 3827.4  | N.A.  | 99.90  |
| 10-90   | 3704.89 | N.A.  | 96.70  |
| 20-40   | 1189.21 | N.A.  | 31.00  |
| 20-50   | 1871.59 | N.A.  | 48.90  |
| 40-70   | 1787.42 | N.A.  | 46.70  |
| 60-80   | 772.14  | N.A.  | 20.20  |
| 70-80   | 289.66  | N.A.  | 7.60   |
| 80-90   | 86.51   | N.A.  | 2.30   |
| 90-110  | 0.78    | N.A.  | 0.00   |
| 90-120  | 1.13    | N.A.  | 0.00   |
| 90-130  | 1.44    | N.A.  | 0.00   |
| 90-150  | 2.27    | N.A.  | 0.10   |
| 90-180  | 3.04    | N.A.  | 0.10   |
| 110-180 | 2.26    | N.A.  | 0.10   |
| 0-180   | 3830.45 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 122.52 |
| 10-20   | 352.08 |
| 20-30   | 536.87 |
| 30-40   | 652.34 |
| 40-50   | 682.38 |
| 50-60   | 622.56 |
| 60-70   | 482.48 |
| 70-80   | 289.66 |
| 80-90   | 86.51  |
| 90-100  | 0.50   |
| 100-110 | 0.28   |
| 110-120 | 0.34   |
| 120-130 | 0.32   |
| 130-140 | 0.41   |
| 140-150 | 0.42   |
| 150-160 | 0.37   |
| 160-170 | 0.29   |
| 170-180 | 0.12   |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(5000K).IES

## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50  |     |     | 30  |     |     | 10  |     |     | 0   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |
| 0  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 108 | 103 | 99  | 95  | 106 | 101 | 97  | 93  | 97  | 94  | 91  | 93  | 90  | 88  | 89  | 87  | 85  | 83  |
| 2  | 98  | 90  | 83  | 77  | 96  | 88  | 82  | 76  | 84  | 79  | 74  | 81  | 77  | 73  | 78  | 74  | 71  | 69  |
| 3  | 89  | 79  | 70  | 64  | 87  | 77  | 69  | 63  | 74  | 67  | 62  | 71  | 66  | 61  | 69  | 64  | 60  | 58  |
| 4  | 82  | 70  | 61  | 54  | 79  | 68  | 60  | 53  | 66  | 58  | 53  | 63  | 57  | 52  | 61  | 56  | 51  | 49  |
| 5  | 75  | 62  | 53  | 46  | 73  | 61  | 52  | 46  | 59  | 51  | 45  | 57  | 50  | 45  | 55  | 49  | 44  | 42  |
| 6  | 69  | 56  | 47  | 40  | 67  | 55  | 46  | 40  | 53  | 45  | 40  | 51  | 44  | 39  | 50  | 44  | 39  | 37  |
| 7  | 64  | 51  | 42  | 35  | 63  | 50  | 41  | 35  | 48  | 41  | 35  | 47  | 40  | 35  | 45  | 39  | 34  | 32  |
| 8  | 60  | 46  | 37  | 32  | 58  | 45  | 37  | 31  | 44  | 37  | 31  | 43  | 36  | 31  | 42  | 35  | 31  | 29  |
| 9  | 56  | 42  | 34  | 28  | 54  | 42  | 34  | 28  | 41  | 33  | 28  | 39  | 33  | 28  | 38  | 32  | 28  | 26  |
| 10 | 52  | 39  | 31  | 26  | 51  | 38  | 31  | 26  | 37  | 30  | 25  | 36  | 30  | 25  | 36  | 30  | 25  | 23  |

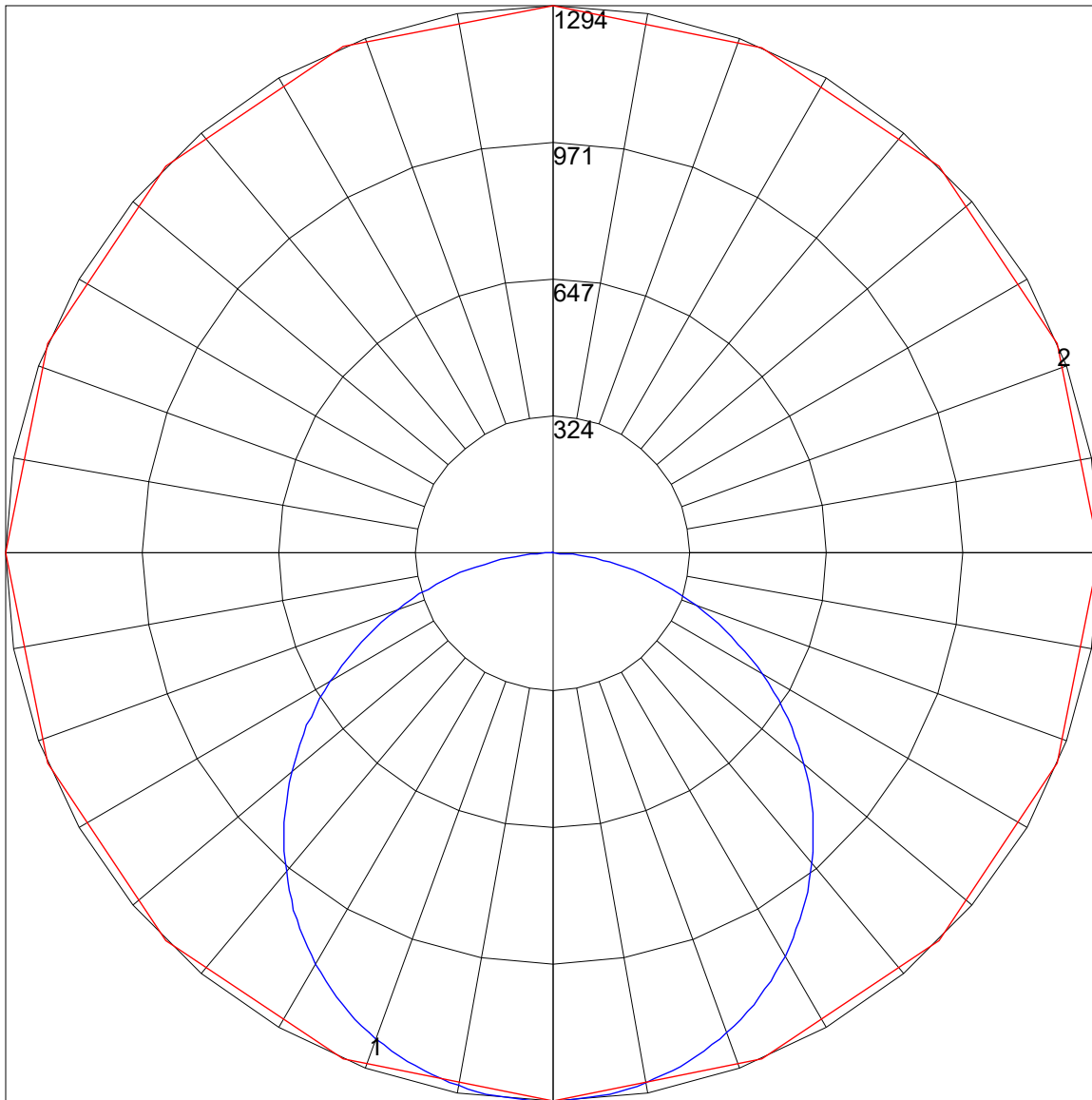
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : FPB 14 SEL(30W) UV FR 8SEL(5000K).IES**

**UGR TABLE - CORRECTED**

|                |      |                      |      |      |      |      |                    |      |      |      |      |
|----------------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| Reflectances   |      |                      |      |      |      |      |                    |      |      |      |      |
| Ceiling Cavity | 70   | 70                   | 50   | 50   | 30   | 70   | 70                 | 50   | 50   | 30   |      |
| Walls          | 50   | 30                   | 50   | 30   | 30   | 50   | 30                 | 50   | 30   | 30   |      |
| Floor Cavity   | 20   | 20                   | 20   | 20   | 20   | 20   | 20                 | 20   | 20   | 20   |      |
| Room Size      |      | UGR Viewed Crosswise |      |      |      |      | UGR Viewed Endwise |      |      |      |      |
| X=2H           | Y=2H | 16.3                 | 18.0 | 16.7 | 18.3 | 18.6 | 16.5               | 18.1 | 16.8 | 18.5 | 18.8 |
|                | 3H   | 18.2                 | 19.7 | 18.6 | 20.0 | 20.4 | 18.4               | 19.9 | 18.7 | 20.2 | 20.5 |
|                | 4H   | 18.9                 | 20.3 | 19.3 | 20.6 | 21.0 | 19.1               | 20.5 | 19.5 | 20.8 | 21.2 |
|                | 6H   | 19.4                 | 20.7 | 19.8 | 21.1 | 21.5 | 19.6               | 21.0 | 20.1 | 21.3 | 21.7 |
|                | 8H   | 19.6                 | 20.8 | 20.0 | 21.2 | 21.6 | 19.8               | 21.1 | 20.2 | 21.5 | 21.9 |
|                | 12H  | 19.7                 | 20.9 | 20.1 | 21.3 | 21.7 | 20.0               | 21.2 | 20.4 | 21.5 | 22.0 |
| 4H             | 2H   | 17.0                 | 18.5 | 17.4 | 18.8 | 19.2 | 17.2               | 18.6 | 17.6 | 18.9 | 19.3 |
|                | 3H   | 19.1                 | 20.3 | 19.5 | 20.7 | 21.1 | 19.3               | 20.5 | 19.7 | 20.9 | 21.3 |
|                | 4H   | 19.9                 | 21.0 | 20.4 | 21.4 | 21.9 | 20.1               | 21.2 | 20.6 | 21.6 | 22.1 |
|                | 6H   | 20.6                 | 21.5 | 21.0 | 22.0 | 22.4 | 20.8               | 21.8 | 21.3 | 22.2 | 22.7 |
|                | 8H   | 20.8                 | 21.7 | 21.3 | 22.1 | 22.6 | 21.1               | 21.9 | 21.5 | 22.4 | 22.8 |
|                | 12H  | 20.9                 | 21.8 | 21.4 | 22.2 | 22.7 | 21.2               | 22.0 | 21.7 | 22.5 | 23.0 |
| 8H             | 4H   | 20.3                 | 21.2 | 20.7 | 21.6 | 22.1 | 20.5               | 21.4 | 20.9 | 21.8 | 22.3 |
|                | 6H   | 21.1                 | 21.8 | 21.6 | 22.3 | 22.8 | 21.3               | 22.0 | 21.8 | 22.5 | 23.0 |
|                | 8H   | 21.4                 | 22.0 | 21.9 | 22.5 | 23.0 | 21.6               | 22.3 | 22.1 | 22.8 | 23.3 |
|                | 12H  | 21.6                 | 22.2 | 22.1 | 22.7 | 23.2 | 21.9               | 22.5 | 22.4 | 23.0 | 23.5 |
| 12H            | 4H   | 20.3                 | 21.1 | 20.8 | 21.6 | 22.1 | 20.5               | 21.3 | 21.0 | 21.8 | 22.3 |
|                | 6H   | 21.2                 | 21.8 | 21.7 | 22.3 | 22.8 | 21.4               | 22.1 | 21.9 | 22.5 | 23.1 |
|                | 8H   | 21.5                 | 22.1 | 22.0 | 22.6 | 23.1 | 21.8               | 22.4 | 22.3 | 22.8 | 23.4 |

Maximum UGR = 23.5

POLAR GRAPH



Maximum Candela = 1294.15 Located At Horizontal Angle = 202.5, Vertical Angle = 1  
# 1 - Vertical Plane Through Horizontal Angles (202.5 - 22.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)