



IES INDOOR REPORT

PHOTOMETRIC FILENAME : FPB V2 24 SEL5 UV FR 8SEL5 (35W,3000K).IES

DESCRIPTION INFORMATION (From Photometric File)

[IESNA:LM-63-2002

[TEST] STD231213NB-F

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 19 January 2024

[ISSUEDATE] 2024-01-29

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] FPB v2 24 SEL5 UV FR 8SEL5 (35W,3000K)

[LUMINAIRE] 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

[OTHER] Input Voltage=120.0 PF=0.9934 THD=10.19

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

[OTHER] 0- 10 196.65 196.65 3.15 3.15

[OTHER] 10- 20 566.91 763.56 12.23 12.23

[OTHER] 20- 30 869.00 1632.56 26.14 26.14

[OTHER] 30- 40 1062.06 2694.62 43.15 43.15

[OTHER] 40- 50 1117.24 3811.85 61.04 61.04

[OTHER] 50- 60 1023.38 4835.24 77.43 77.43

[OTHER] 60- 70 795.25 5630.49 90.16 90.16

[OTHER] 70- 80 474.16 6104.64 97.76 97.76

[OTHER] 80- 90 135.46 6240.11 99.93 99.93

[OTHER] 90-100 0.65 6240.76 99.94 99.94

[OTHER] 100-110 0.88 6241.64 99.95 99.95

[OTHER] 110-120 0.87 6242.51 99.96 99.96

[OTHER] 120-130 0.60 6243.11 99.97 99.97

[OTHER] 130-140 0.51 6243.63 99.98 99.98

[OTHER] 140-150 0.41 6244.03 99.99 99.99

[OTHER] 150-160 0.34 6244.37 99.99 99.99

[OTHER] 160-170 0.27 6244.64 100.00 100.00

[OTHER] 170-180 0.10 6244.74 100.00 100.00

[OTHER]

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CHARACTERISTICS

| | |
|---------------------------------|-----------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4423 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 130 |
| Total Luminaire Watts | 34 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.30 |
| Spacing Criterion (90-270) | 1.30 |
| Spacing Criterion (Diagonal) | 1.42 |
| Basic Luminous Shape | Rectangular |
| Luminous Length (0-180) | 1.20 m |
| Luminous Width (90-270) | 0.60 m |
| Luminous Height | 0.00 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 2015 | 2014 | 2005 |
| 55 | 1953 | 1962 | 1953 |
| 65 | 1850 | 1873 | 1859 |
| 75 | 1701 | 1709 | 1673 |
| 85 | 1450 | 1342 | 1274 |

IES INDOOR REPORT**PHOTOMETRIC FILENAME : FPB V2 24 SEL5 UV FR 8SEL5 (35W,3000K).IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 540.85 | N.A. | 12.20 |
| 0-30 | 1156.38 | N.A. | 26.10 |
| 0-40 | 1908.67 | N.A. | 43.20 |
| 0-60 | 3424.93 | N.A. | 77.40 |
| 0-80 | 4324.08 | N.A. | 97.80 |
| 0-90 | 4420.03 | N.A. | 99.90 |
| 10-90 | 4280.74 | N.A. | 96.80 |
| 20-40 | 1367.82 | N.A. | 30.90 |
| 20-50 | 2159.19 | N.A. | 48.80 |
| 40-70 | 2079.55 | N.A. | 47.00 |
| 60-80 | 899.15 | N.A. | 20.30 |
| 70-80 | 335.86 | N.A. | 7.60 |
| 80-90 | 95.95 | N.A. | 2.20 |
| 90-110 | 1.09 | N.A. | 0.00 |
| 90-120 | 1.71 | N.A. | 0.00 |
| 90-130 | 2.13 | N.A. | 0.00 |
| 90-150 | 2.78 | N.A. | 0.10 |
| 90-180 | 3.28 | N.A. | 0.10 |
| 110-180 | 2.20 | N.A. | 0.00 |
| 0-180 | 4423.31 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 139.29 |
| 10-20 | 401.55 |
| 20-30 | 615.53 |
| 30-40 | 752.29 |
| 40-50 | 791.37 |
| 50-60 | 724.89 |
| 60-70 | 563.30 |
| 70-80 | 335.86 |
| 80-90 | 95.95 |
| 90-100 | 0.46 |
| 100-110 | 0.62 |
| 110-120 | 0.62 |
| 120-130 | 0.43 |
| 130-140 | 0.36 |
| 140-150 | 0.29 |
| 150-160 | 0.24 |
| 160-170 | 0.19 |
| 170-180 | 0.07 |

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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 | 81 | 76 | 84 | 79 | 74 | 81 | 76 | 72 | 78 | 74 | 71 | 69 |
| 3 | 89 | 79 | 70 | 64 | 87 | 77 | 69 | 63 | 74 | 67 | 62 | 71 | 66 | 61 | 69 | 64 | 60 | 57 |
| 4 | 82 | 69 | 61 | 54 | 79 | 68 | 60 | 53 | 66 | 58 | 52 | 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 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 37 |
| 7 | 64 | 50 | 42 | 35 | 62 | 50 | 41 | 35 | 48 | 40 | 35 | 47 | 40 | 35 | 45 | 39 | 34 | 32 |
| 8 | 60 | 46 | 37 | 31 | 58 | 45 | 37 | 31 | 44 | 36 | 31 | 43 | 36 | 31 | 41 | 35 | 31 | 29 |
| 9 | 56 | 42 | 34 | 28 | 54 | 42 | 34 | 28 | 40 | 33 | 28 | 39 | 33 | 28 | 38 | 32 | 28 | 26 |
| 10 | 52 | 39 | 31 | 26 | 51 | 38 | 31 | 25 | 37 | 30 | 25 | 36 | 30 | 25 | 35 | 29 | 25 | 23 |

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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

| | | | | | | | | | | | | |
|------|------|------|------|------|------|------|--------------------|------|------|------|------|------|
| X=2H | Y=2H | 14.6 | 16.2 | 14.9 | 16.5 | 16.9 | UGR Viewed Endwise | 14.5 | 16.2 | 14.9 | 16.5 | 16.8 |
| | 3H | 16.5 | 18.0 | 16.8 | 18.3 | 18.7 | | 16.4 | 17.9 | 16.8 | 18.3 | 18.6 |
| | 4H | 17.2 | 18.6 | 17.6 | 19.0 | 19.3 | | 17.1 | 18.6 | 17.5 | 18.9 | 19.3 |
| | 6H | 17.8 | 19.1 | 18.2 | 19.4 | 19.8 | | 17.7 | 19.0 | 18.1 | 19.4 | 19.7 |
| | 8H | 18.0 | 19.2 | 18.4 | 19.6 | 20.0 | | 17.8 | 19.1 | 18.3 | 19.5 | 19.9 |
| | 12H | 18.1 | 19.3 | 18.5 | 19.7 | 20.1 | | 18.0 | 19.2 | 18.4 | 19.6 | 20.0 |

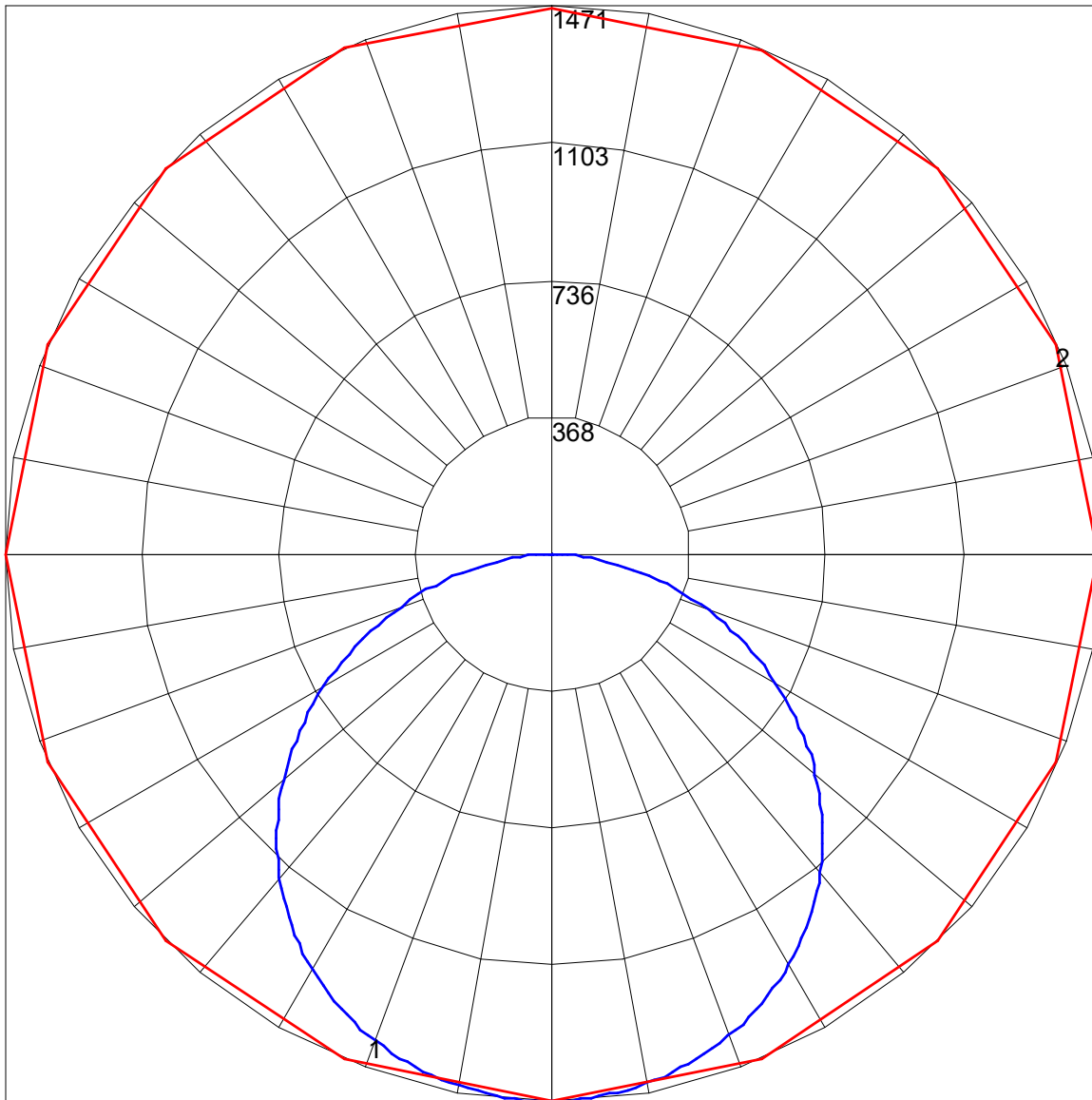
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 15.2 | 16.7 | 15.6 | 17.0 | 17.4 | 15.2 | 16.6 | 15.6 | 17.0 | 17.4 |
| | 3H | 17.4 | 18.6 | 17.8 | 19.0 | 19.4 | 17.3 | 18.5 | 17.7 | 18.9 | 19.3 |
| | 4H | 18.2 | 19.3 | 18.7 | 19.7 | 20.2 | 18.2 | 19.3 | 18.6 | 19.7 | 20.1 |
| | 6H | 19.0 | 19.9 | 19.4 | 20.3 | 20.8 | 18.8 | 19.8 | 19.3 | 20.2 | 20.7 |
| | 8H | 19.2 | 20.1 | 19.7 | 20.5 | 21.0 | 19.1 | 19.9 | 19.5 | 20.4 | 20.9 |
| | 12H | 19.4 | 20.2 | 19.9 | 20.7 | 21.1 | 19.2 | 20.0 | 19.7 | 20.5 | 21.0 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 18.6 | 19.5 | 19.0 | 19.9 | 20.4 | 18.5 | 19.4 | 19.0 | 19.8 | 20.3 |
| | 6H | 19.4 | 20.2 | 19.9 | 20.7 | 21.1 | 19.3 | 20.1 | 19.8 | 20.5 | 21.0 |
| | 8H | 19.8 | 20.4 | 20.3 | 20.9 | 21.4 | 19.6 | 20.3 | 20.1 | 20.8 | 21.3 |
| | 12H | 20.1 | 20.6 | 20.6 | 21.1 | 21.7 | 19.8 | 20.4 | 20.4 | 20.9 | 21.5 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 18.6 | 19.4 | 19.1 | 19.9 | 20.4 | 18.5 | 19.4 | 19.0 | 19.8 | 20.3 |
| | 6H | 19.5 | 20.2 | 20.0 | 20.6 | 21.2 | 19.4 | 20.1 | 19.9 | 20.5 | 21.1 |
| | 8H | 19.9 | 20.5 | 20.4 | 21.0 | 21.5 | 19.7 | 20.3 | 20.2 | 20.8 | 21.4 |

Maximum UGR = 21.7

POLAR GRAPH



Maximum Candela = 1471.053 Located At Horizontal Angle = 225, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (225 - 45) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)