



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DLS V2 8 SEL UV SW 9SEL [MD,930].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] 20211007g
[TESTLAB] EVERFINE
[TESTDATE] 2021-10-07
[ISSUEDATE] 2021-10-08 10:52:51
[NEARFIELD]
[LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
[MANUFAC] LumenFocus, LLC.
[LUMINAIRE] LED 8" Can - 20W/30K/Dim/100-277V
[LUMCAT] DLS v2 8 SEL UV SW 9SEL [MD/930]

CHARACTERISTICS

| | |
|---------------------------------|-------------------|
| Lumens Per Lamp | 1765.3 (1 lamp) |
| Total Lamp Lumens | 1765.3 |
| Luminaire Lumens | 1765 |
| Total Luminaire Efficiency | 100 % |
| Luminaire Efficacy Rating (LER) | 94 |
| Total Luminaire Watts | 18.7 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.18 |
| Spacing Criterion (90-270) | 1.20 |
| Spacing Criterion (Diagonal) | 1.28 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.19 m (Diameter) |
| Luminous Width (90-270) | 0.19 m (Diameter) |
| Luminous Height | 0.00 m |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 23250 | 24022 | 24194 |
| 55 | 17929 | 19160 | 19516 |
| 65 | 11392 | 12741 | 13375 |
| 75 | 4945 | 5913 | 6514 |
| 85 | 2459 | 3546 | 4218 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|--------|--------|
| 0-20 | 293.65 | 16.60 | 16.60 |
| 0-30 | 610.76 | 34.60 | 34.60 |
| 0-40 | 972.53 | 55.10 | 55.10 |
| 0-60 | 1564.88 | 88.60 | 88.60 |
| 0-80 | 1740.92 | 98.60 | 98.60 |
| 0-90 | 1749.23 | 99.10 | 99.10 |
| 10-90 | 1672.37 | 94.70 | 94.70 |
| 20-40 | 678.88 | 38.50 | 38.50 |
| 20-50 | 1020.34 | 57.80 | 57.80 |
| 40-70 | 725.96 | 41.10 | 41.10 |
| 60-80 | 176.04 | 10.00 | 10.00 |
| 70-80 | 42.43 | 2.40 | 2.40 |
| 80-90 | 8.31 | 0.50 | 0.50 |
| 90-110 | 1.94 | 0.10 | 0.10 |
| 90-120 | 3.85 | 0.20 | 0.20 |
| 90-130 | 6.28 | 0.40 | 0.40 |
| 90-150 | 11.63 | 0.70 | 0.70 |
| 90-180 | 16.03 | 0.90 | 0.90 |
| 110-180 | 14.09 | 0.80 | 0.80 |
| 0-180 | 1765.26 | 100.00 | 100.00 |

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 76.86 |
| 10-20 | 216.79 |
| 20-30 | 317.11 |
| 30-40 | 361.77 |
| 40-50 | 341.46 |
| 50-60 | 250.89 |
| 60-70 | 133.60 |
| 70-80 | 42.43 |
| 80-90 | 8.31 |
| 90-100 | 0.67 |
| 100-110 | 1.27 |
| 110-120 | 1.91 |
| 120-130 | 2.44 |
| 130-140 | 2.70 |
| 140-150 | 2.64 |
| 150-160 | 2.27 |
| 160-170 | 1.56 |
| 170-180 | 0.57 |

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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 | 101 | 101 | 101 | 99 |
| 1 | 110 | 107 | 103 | 100 | 108 | 104 | 101 | 98 | 100 | 97 | 95 | 96 | 94 | 92 | 92 | 91 | 89 | 87 |
| 2 | 102 | 95 | 89 | 84 | 99 | 93 | 88 | 83 | 89 | 85 | 81 | 86 | 82 | 79 | 83 | 80 | 77 | 75 |
| 3 | 94 | 85 | 77 | 72 | 91 | 83 | 76 | 71 | 80 | 74 | 70 | 77 | 72 | 68 | 75 | 71 | 67 | 65 |
| 4 | 87 | 76 | 68 | 62 | 84 | 75 | 67 | 62 | 72 | 66 | 61 | 70 | 64 | 60 | 67 | 63 | 59 | 57 |
| 5 | 80 | 68 | 60 | 54 | 78 | 67 | 60 | 54 | 65 | 58 | 53 | 63 | 57 | 53 | 61 | 56 | 52 | 50 |
| 6 | 74 | 62 | 54 | 48 | 72 | 61 | 53 | 48 | 59 | 52 | 47 | 58 | 51 | 47 | 56 | 51 | 46 | 44 |
| 7 | 69 | 57 | 48 | 43 | 67 | 56 | 48 | 43 | 54 | 47 | 42 | 53 | 47 | 42 | 51 | 46 | 42 | 40 |
| 8 | 65 | 52 | 44 | 39 | 63 | 51 | 44 | 38 | 50 | 43 | 38 | 49 | 42 | 38 | 47 | 42 | 38 | 36 |
| 9 | 60 | 48 | 40 | 35 | 59 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 34 | 44 | 38 | 34 | 32 |
| 10 | 57 | 44 | 37 | 32 | 55 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 31 | 41 | 35 | 31 | 30 |

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UGR TABLE - CORRECTED

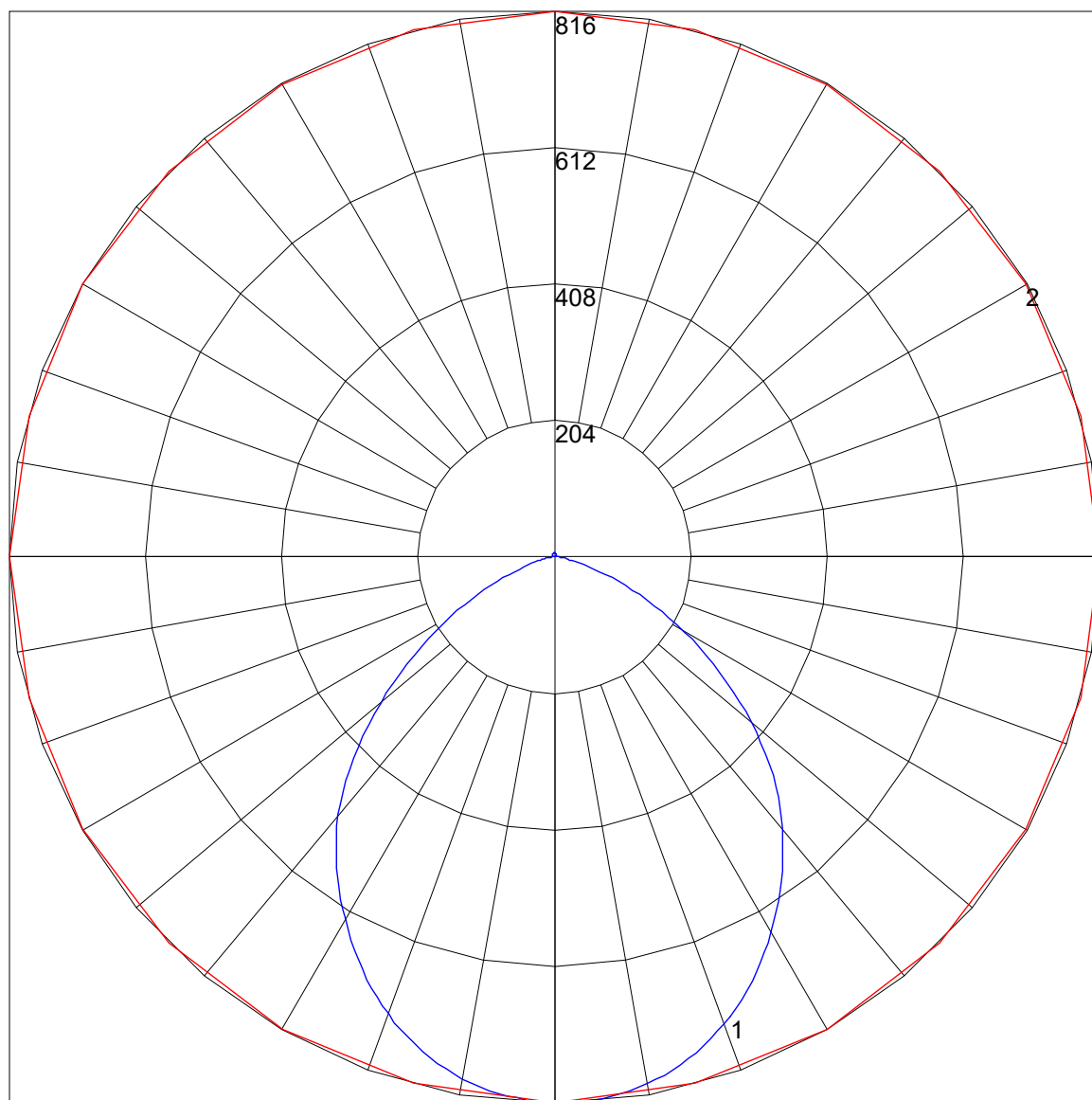
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | | | | | UGR Viewed Endwise | | | | |
|-----------|------|----------------------|------|------|------|------|--------------------|------|------|------|------|
| X=2H | Y=2H | 20.5 | 22.0 | 20.9 | 22.3 | 22.7 | 21.1 | 22.6 | 21.5 | 22.9 | 23.2 |
| | 3H | 21.3 | 22.6 | 21.7 | 22.9 | 23.3 | 22.0 | 23.3 | 22.4 | 23.6 | 24.0 |
| | 4H | 21.4 | 22.6 | 21.8 | 22.9 | 23.3 | 22.1 | 23.3 | 22.5 | 23.7 | 24.1 |
| | 6H | 21.4 | 22.5 | 21.8 | 22.9 | 23.3 | 22.1 | 23.3 | 22.6 | 23.7 | 24.1 |
| | 8H | 21.4 | 22.4 | 21.8 | 22.8 | 23.3 | 22.2 | 23.2 | 22.6 | 23.6 | 24.1 |
| | 12H | 21.3 | 22.4 | 21.8 | 22.8 | 23.2 | 22.1 | 23.2 | 22.6 | 23.6 | 24.0 |
| 4H | 2H | 20.9 | 22.1 | 21.3 | 22.4 | 22.8 | 21.4 | 22.6 | 21.8 | 23.0 | 23.4 |
| | 3H | 21.7 | 22.7 | 22.1 | 23.1 | 23.5 | 22.4 | 23.4 | 22.8 | 23.8 | 24.2 |
| | 4H | 21.8 | 22.7 | 22.3 | 23.1 | 23.6 | 22.6 | 23.5 | 23.1 | 23.9 | 24.4 |
| | 6H | 21.9 | 22.6 | 22.3 | 23.1 | 23.6 | 22.7 | 23.5 | 23.2 | 23.9 | 24.4 |
| | 8H | 21.9 | 22.6 | 22.4 | 23.1 | 23.5 | 22.7 | 23.4 | 23.2 | 23.9 | 24.4 |
| | 12H | 21.9 | 22.5 | 22.4 | 23.0 | 23.5 | 22.7 | 23.3 | 23.2 | 23.8 | 24.3 |
| 8H | 4H | 21.8 | 22.5 | 22.3 | 23.0 | 23.5 | 22.6 | 23.3 | 23.1 | 23.8 | 24.3 |
| | 6H | 21.9 | 22.5 | 22.4 | 23.0 | 23.5 | 22.7 | 23.3 | 23.2 | 23.8 | 24.3 |
| | 8H | 21.9 | 22.4 | 22.5 | 23.0 | 23.5 | 22.7 | 23.3 | 23.3 | 23.8 | 24.3 |
| | 12H | 21.9 | 22.4 | 22.5 | 22.9 | 23.5 | 22.8 | 23.3 | 23.3 | 23.8 | 24.4 |
| 12H | 4H | 21.8 | 22.4 | 22.3 | 22.9 | 23.4 | 22.6 | 23.2 | 23.1 | 23.7 | 24.2 |
| | 6H | 21.9 | 22.4 | 22.4 | 22.9 | 23.5 | 22.7 | 23.2 | 23.2 | 23.7 | 24.3 |
| | 8H | 21.9 | 22.4 | 22.4 | 22.9 | 23.5 | 22.7 | 23.2 | 23.3 | 23.7 | 24.3 |

Maximum UGR = 24.4

POLAR GRAPH



Maximum Candela = 815.63 Located At Horizontal Angle = 90, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)