



IES INDOOR REPORT

PHOTOMETRIC FILENAME : DLR V2 4 MD 12 WB 9SEL [3000K].IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] ASD LIGHTING CORP

[TESTDATE] 2022-03-07

[ISSUE DATE] 2022-03-07 13:16:33

[LAMP POSITION] 0,0

[OTHER] EVERFINE GO-2000B_V1 SYSTEM

[MANUFAC] LumenFocus, LLC.

[LUMCAT] DLR v2 4 MD 12 WB 9SEL [3000K]

[LUMINAIRE] LED 4IN CCT-SELECT RETROFIT CAN/10W/27-50K/DIMM/120V/MED

[LAMPCAT]

CHARACTERISTICS

| | |
|---------------------------------|-------------------|
| Lumens Per Lamp | 679.9617 (1 lamp) |
| Total Lamp Lumens | 679.9617 |
| Luminaire Lumens | 680 |
| Total Luminaire Efficiency | 100 % |
| Luminaire Efficacy Rating (LER) | 73 |
| Total Luminaire Watts | 9.31 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.24 |
| Spacing Criterion (90-270) | 1.28 |
| Spacing Criterion (Diagonal) | 1.36 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.52 m (Diameter) |
| Luminous Width (90-270) | 0.52 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 | 1100 | 1172 | 1222 |
| 55 | 902 | 1028 | 1127 |
| 65 | 508 | 701 | 893 |
| 75 | 175 | 228 | 380 |
| 85 | 55 | 122 | 219 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|--------|--------|--------|
| 0-20 | 101.46 | 14.90 | 14.90 |
| 0-30 | 215.16 | 31.60 | 31.60 |
| 0-40 | 350.50 | 51.50 | 51.50 |
| 0-60 | 595.20 | 87.50 | 87.50 |
| 0-80 | 671.08 | 98.70 | 98.70 |
| 0-90 | 673.81 | 99.10 | 99.10 |
| 10-90 | 647.57 | 95.20 | 95.20 |
| 20-40 | 249.05 | 36.60 | 36.60 |
| 20-50 | 384.16 | 56.50 | 56.50 |
| 40-70 | 304.86 | 44.80 | 44.80 |
| 60-80 | 75.88 | 11.20 | 11.20 |
| 70-80 | 15.72 | 2.30 | 2.30 |
| 80-90 | 2.72 | 0.40 | 0.40 |
| 90-110 | 0.72 | 0.10 | 0.10 |
| 90-120 | 1.53 | 0.20 | 0.20 |
| 90-130 | 2.53 | 0.40 | 0.40 |
| 90-150 | 4.57 | 0.70 | 0.70 |
| 90-180 | 6.16 | 0.90 | 0.90 |
| 110-180 | 5.43 | 0.80 | 0.80 |
| 0-180 | 679.96 | 100.00 | 100.00 |

Total Luminaire Efficiency = 100.00%

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 26.24 |
| 10-20 | 75.22 |
| 20-30 | 113.70 |
| 30-40 | 135.34 |
| 40-50 | 135.11 |
| 50-60 | 109.59 |
| 60-70 | 60.16 |
| 70-80 | 15.72 |
| 80-90 | 2.72 |
| 90-100 | 0.22 |
| 100-110 | 0.51 |
| 110-120 | 0.80 |
| 120-130 | 1.00 |
| 130-140 | 1.06 |
| 140-150 | 0.98 |
| 150-160 | 0.82 |
| 160-170 | 0.56 |
| 170-180 | 0.20 |

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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 | 106 | 103 | 99 | 108 | 104 | 101 | 98 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 86 |
| 2 | 101 | 94 | 88 | 83 | 99 | 92 | 87 | 82 | 89 | 84 | 80 | 85 | 81 | 78 | 82 | 79 | 76 | 74 |
| 3 | 93 | 84 | 76 | 70 | 91 | 82 | 75 | 70 | 79 | 73 | 68 | 76 | 71 | 67 | 74 | 69 | 66 | 64 |
| 4 | 86 | 75 | 67 | 60 | 83 | 73 | 66 | 60 | 71 | 64 | 59 | 68 | 63 | 58 | 66 | 61 | 57 | 55 |
| 5 | 79 | 67 | 59 | 52 | 77 | 66 | 58 | 52 | 64 | 57 | 51 | 62 | 56 | 51 | 60 | 54 | 50 | 48 |
| 6 | 73 | 61 | 52 | 46 | 71 | 60 | 52 | 46 | 58 | 51 | 45 | 56 | 50 | 45 | 54 | 49 | 44 | 42 |
| 7 | 68 | 55 | 47 | 41 | 66 | 54 | 46 | 41 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 40 | 38 |
| 8 | 63 | 50 | 42 | 37 | 62 | 50 | 42 | 36 | 48 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 34 |
| 9 | 59 | 46 | 38 | 33 | 58 | 46 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 30 |
| 10 | 55 | 43 | 35 | 30 | 54 | 42 | 35 | 30 | 41 | 34 | 30 | 40 | 34 | 30 | 39 | 33 | 29 | 28 |

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UGR TABLE - CORRECTED

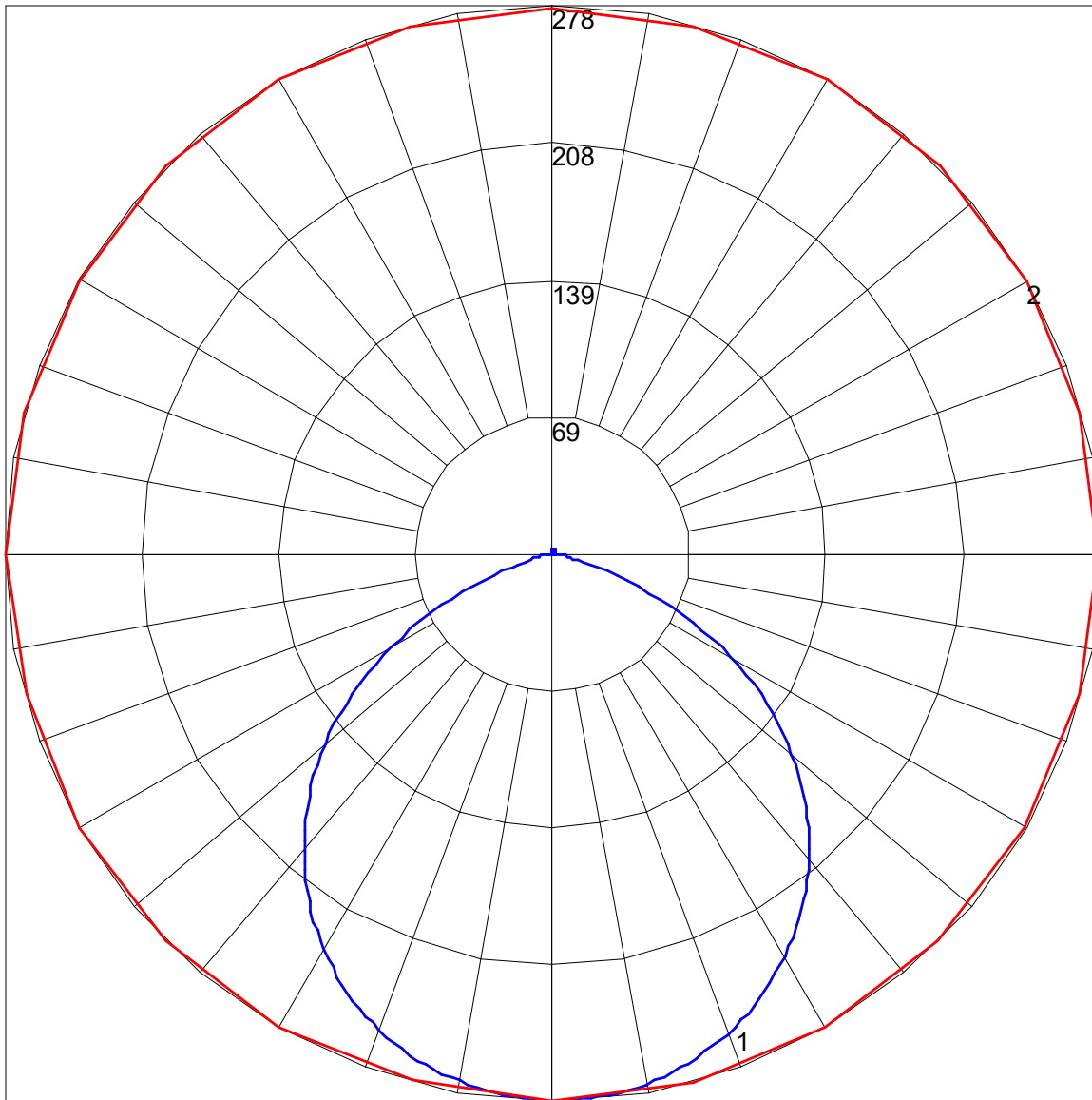
Reflectances

| | | | | | | | | | | |
|----------------|----|----|----|----|----|----|----|----|----|----|
| 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 | 10.5 | 12.0 | 10.8 | 12.3 | 12.6 | 12.0 | 13.5 | 12.4 | 13.8 | 14.2 |
| | 3H | 10.8 | 12.2 | 11.2 | 12.5 | 12.9 | 13.1 | 14.4 | 13.5 | 14.8 | 15.2 |
| | 4H | 10.9 | 12.1 | 11.3 | 12.5 | 12.9 | 13.2 | 14.5 | 13.7 | 14.9 | 15.3 |
| | 6H | 10.9 | 12.0 | 11.3 | 12.4 | 12.8 | 13.3 | 14.4 | 13.7 | 14.8 | 15.2 |
| | 8H | 10.8 | 11.9 | 11.3 | 12.3 | 12.8 | 13.2 | 14.3 | 13.7 | 14.7 | 15.2 |
| | 12H | 10.8 | 11.9 | 11.3 | 12.3 | 12.7 | 13.2 | 14.3 | 13.7 | 14.7 | 15.1 |
| 4H | 2H | 10.9 | 12.1 | 11.3 | 12.5 | 12.9 | 12.3 | 13.5 | 12.7 | 13.9 | 14.3 |
| | 3H | 11.3 | 12.3 | 11.8 | 12.8 | 13.2 | 13.5 | 14.5 | 13.9 | 14.9 | 15.3 |
| | 4H | 11.3 | 12.3 | 11.8 | 12.7 | 13.2 | 13.6 | 14.6 | 14.1 | 15.0 | 15.5 |
| | 6H | 11.4 | 12.2 | 11.9 | 12.6 | 13.1 | 13.7 | 14.5 | 14.2 | 14.9 | 15.4 |
| | 8H | 11.4 | 12.1 | 11.8 | 12.6 | 13.1 | 13.7 | 14.4 | 14.2 | 14.9 | 15.4 |
| | 12H | 11.3 | 12.0 | 11.8 | 12.5 | 13.0 | 13.7 | 14.3 | 14.2 | 14.8 | 15.3 |
| 8H | 4H | 11.4 | 12.1 | 11.8 | 12.6 | 13.1 | 13.6 | 14.3 | 14.1 | 14.8 | 15.3 |
| | 6H | 11.4 | 12.0 | 11.9 | 12.5 | 13.0 | 13.6 | 14.2 | 14.1 | 14.8 | 15.3 |
| | 8H | 11.4 | 11.9 | 11.9 | 12.5 | 13.0 | 13.6 | 14.2 | 14.2 | 14.7 | 15.2 |
| | 12H | 11.4 | 11.9 | 11.9 | 12.4 | 13.0 | 13.7 | 14.1 | 14.2 | 14.7 | 15.2 |
| 12H | 4H | 11.3 | 12.0 | 11.8 | 12.5 | 13.0 | 13.6 | 14.2 | 14.1 | 14.7 | 15.2 |
| | 6H | 11.4 | 11.9 | 11.9 | 12.4 | 13.0 | 13.6 | 14.2 | 14.1 | 14.6 | 15.2 |
| | 8H | 11.4 | 11.9 | 11.9 | 12.4 | 13.0 | 13.6 | 14.1 | 14.1 | 14.6 | 15.2 |

Maximum UGR = 15.5

POLAR GRAPH



Maximum Candela = 277.66 Located At Horizontal Angle = 60, Vertical Angle = 1
1 - Vertical Plane Through Horizontal Angles (60 - 240) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (1) (Through Max. Cd.)