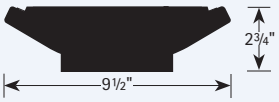
# CÛRV LOUVERED

## 1, 2, 3-Lamp T5, T5HO, T8, Direct/Indirect Distribution

### FEATURES

- Parabolic louver combines with curved shape for direct/indirect distribution
- Sturdy 20-gauge steel construction for excellent housing rigidity
- Controls compatible
- High efficiency with wide distribution
- Flat end caps standard (5/16" length)
- Modular mounting points for convenient hanging locations
- Patented die cast aluminum, tongue and groove couplers provide zero tolerance alignment resulting in consistently straight rows (Patent# 6,796,676B2)
- Aircraft cable mounting

### SHAPE AND DIMENSIONS




### PROJECT INFORMATION

| | |
|---|---|
| Project Name | Type |
| Catalog No. | Date |

### CONSTRUCTION

—Up to three T8, T5, T5HO lamps in cross section

—Modular mounting points maintain convenient, predictable locations and fixture lengths in 48" increments.

—The housing is designed to wrap around the end plates and secures on top with concealed screws to ensure housing tolerances are consistent.

—Standard light distribution is 60% uplight, 40% downlight; additional options are available and are field retrofittable.

### FINISH

Housing and all painted parts are treated with a multi-stage phosphate prior to finish. Parts are then finished with a white powder coat for maximum consistent coverage and longevity. Other colors may be specified; refer to page MTX-1 or contact your local Alera Lighting representative.

### SHIELDING

—Low iridescence semi-specular louver (LD) provides both direct and indirect illumination.

—Specular low iridescence (LS) louver snaps in from below for simplicity and ease of installation.

### MOUNTING

To maintain consistent, predictable mounting points, 1- and 3-lamp fixtures use a yoke hanger and 2-lamp units use a single-point mounting system at each hanging location. Fixed cable has a total vertical adjustment of 1¼". The end of the cable barrel screws into a standard ¼-20 bolt brought down from the ceiling. All fixtures are suspended in modular increments and must be supported at each fixture housing end.

### LABELS AND ELECTRICAL

—UL 1598 or CSA

—Prewired w/ T8, T5, or T5HO ballasts

—Quick connect plugs standard

—Damp label available on most models

| | |
|---|---|
| Name: | CVL-3T8-LD-E |
| Test #: | 13588 |
| Efficiency: | 88.8% |
| LER: | 80 |

## ORDERING INFORMATION

**EXAMPLE: CVL-8-2T8-CM48-LD-EU-MW**

CVL - ___ - ___ - ___ - ___ - ___ - ___

**MODEL**

| | |
|---|---|
| CVL | Cûrv Louvered |

**ROW LENGTH**

| | |
|---|---|
| 4 | 4' Single |
| 8 | 8' Single |
| — | Indicate row length over 8' in 4' increments |

**Note:** Rows over 8' will be configured by Alera. Example: 16' will be (2) 8'. Alternate configurations: contact factory.

**LAMP TYPE AND PROFILE**

| | |
|---|---|
| 1T5 | One T5 Lamp[1] |
| 2T5 | Two T5 Lamps[1] |
| 3T5 | Three T5 Lamps[1] |
| 1T5HO | One T5HO Lamp[1] |
| 2T5HO | Two T5HO Lamps[1] |
| 3T5HO | Three T5HO Lamps[1] |
| 1T8 | One T8 Lamp |
| 2T8 | Two T8 Lamps |
| 3T8 | Three T8 Lamps |

**DISTRIBUTION**

| | |
|---|---|
| Blank | 60% Uplight, 40% Downlight |
| 0/100 | 0% Uplight, 100% Downlight[2] |
| 20/80 | 20% Uplight, 80% Downlight[2] |
| 40/60 | 40% Uplight, 60% Downlight[2] |
| 85/15 | 85% Uplight, 15% Downlight |
| CLC | Center Lamp Cover A/V Mode[2] |

**MOUNTING METHOD**

| | |
|---|---|
| FCM | Fixed Aircraft Cable Mount (2-Lamp only) |
| CM | Adjustable Aircraft Cable Mount |

**ADJUSTABLE CABLE LENGTH**

| | |
|---|---|
| 48 | 48" |
| 96 | 96" |

Other lengths available on request.

**SHIELDING**

| | |
|---|---|
| LD | Low Iridescent Semi-Specular Louver (Std.) |
| LS | Low Iridescent Specular Louver |
| GW | White Louver |

**BALLAST**

| | |
|---|---|
| E | Electronic, Instant Start, (Std. for T8) |
| EP | Electronic, Programmed Start (Std. for T5 & T5HO, optional for T8) |
| ED | Electronic, Dimming (Must specify) |
| ESD | Electronic, Step Dimming |

Unless specified, Alera will use fewest ballasts possible.

**VOLTAGE**

| | |
|---|---|
| U | 120V-277V |
| 120 | 120V |
| 277 | 277V |
| 347 | 347V |

**COLOR**

| | |
|---|---|
| MW | Matte White |
| ZT | ZET Metallic Silver |

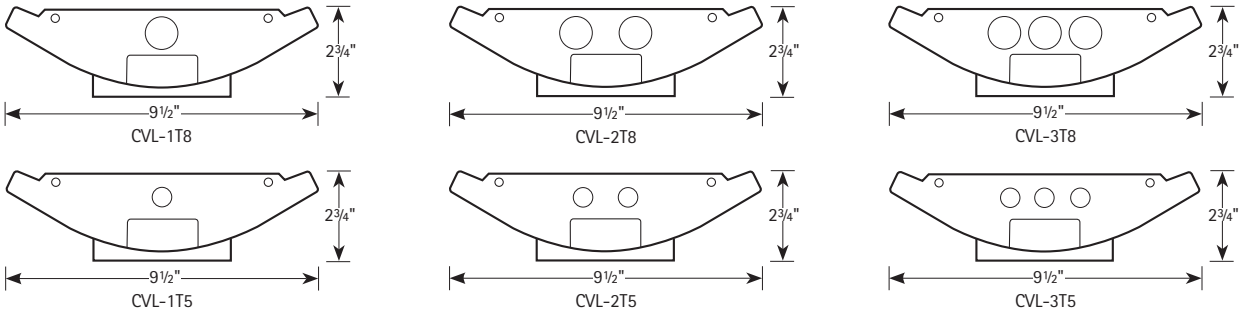
See MTX-1 for other color selections.

**OPTIONS**

| | |
|---|---|
| DC | Dust Cover (T8 and T5 with standard distribution) |
| SCE | Sculpted End Cap (5 5/16") |
| BN | Bull Nose End Cap (5 1/16") |
| LR | Left/Right Switching (2-Lamp only) |
| IBOB | Inboard/Outboard Switching (3-Lamp only) |
| EL | One Emergency Battery Pack[3,4] |
| EMC | One Emergency Circuit[4,5] |
| NL | Night Light Circuit[4,5] |
| GLR | Fast Blow Fuse |
| GMF | Slow Blow Fuse |
| TBAR | T-Bar Mounting |
| CSA | UL listed or CSA certified for Canada |

[1] T5/T5HO at risk for socket shadow in downlight component.
[2] Dust cover not available when using these optical distribution covers.
[3] Specify voltage. For additional, specify quantity before nomenclature (Example: 2EL120).
[4] Not available with all configurations; some limitations apply. Contact factory for details.
[5] One extra feed drop per EMC. (For through wiring, contact factory.)

## CROSS SECTION




## PHOTOMETRIC DATA

### LUMINAIRE DATA Test 13564

| | |
|---|---|
| Luminaire | CVL-2T8-LD-E<br>Cûrv Architectural<br>9.5" × 48" 2-Lamp with 1 × 17 Cell Semi-Specular Louver |
| Ballast | REL-2P32-SC |
| Ballast Factor | 0.88 |
| Lamp | F32T8 |
| Lumens per Lamp | 2950 |
| Watts | 60 |
| Mounting | Suspended |
| Shielding Angle | 0° = 29 90° = 25 |
| Spacing Criterion | 0° = 1.17 90° = 1.08 |
| Luminous Opening in Feet | Length: 3.58<br>Width: 0.32<br>Height: 0.00 |

### AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|---|---|---|---|---|---|
| 0 | 8165 | 8165 | 8165 | 8165 | 8165 |
| 30 | 7280 | 7020 | 6737 | 6434 | 6379 |
| 40 | 6795 | 6329 | 5838 | 6758 | 7617 |
| 45 | 6471 | 5900 | 6059 | 8039 | 9421 |
| 50 | 6008 | 5467 | 6768 | 9370 | 10963 |
| 55 | 5193 | 4964 | 7224 | 8993 | 9894 |
| 60 | 3608 | 4172 | 6239 | 6765 | 7254 |
| 65 | 1868 | 2357 | 3713 | 3913 | 3935 |
| 70 | 1209 | 1346 | 1703 | 1731 | 1676 |
| 75 | 980 | 1053 | 1162 | 1162 | 1162 |
| 80 | 920 | 920 | 974 | 920 | 974 |
| 85 | 970 | 862 | 862 | 755 | 862 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|---|---|---|---|
| 0-30 | 625 | 10.6 | 12.0 |
| 0-40 | 984 | 16.7 | 18.9 |
| 0-60 | 1770 | 30.0 | 34.0 |
| 0-90 | 1975 | 33.5 | 38.0 |
| 90-120 | 926 | 15.7 | 17.8 |
| 90-130 | 1458 | 24.7 | 28.0 |
| 90-150 | 2490 | 42.2 | 47.9 |
| 90-180 | 3224 | 54.7 | 62.0 |
| 0-180 | 5200 | 88.1 | 100.0 |

### COEFFICIENTS OF UTILIZATION (%)

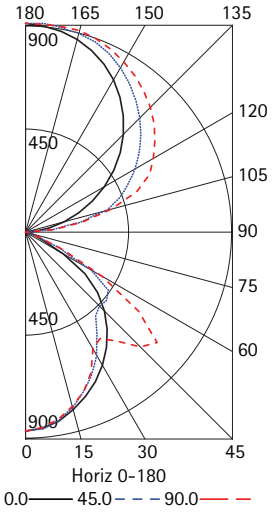
| RCR | RC | 80 | | | | 70 | | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 1 | | 84 | 81 | 78 | 75 | 76 | 74 | 71 | 68 | 60 | 58 | 56 | 29 |
| 2 | | 77 | 71 | 66 | 62 | 70 | 65 | 60 | 57 | 53 | 50 | 47 | 25 |
| 3 | | 70 | 63 | 56 | 52 | 64 | 57 | 52 | 48 | 47 | 43 | 40 | 22 |
| 4 | | 64 | 55 | 49 | 44 | 58 | 51 | 45 | 40 | 42 | 37 | 34 | 19 |
| 5 | | 59 | 49 | 42 | 37 | 54 | 45 | 39 | 35 | 37 | 33 | 29 | 16 |
| 6 | | 54 | 44 | 37 | 32 | 49 | 40 | 34 | 30 | 34 | 29 | 26 | 14 |
| 7 | | 50 | 40 | 33 | 28 | 46 | 36 | 31 | 26 | 30 | 26 | 22 | 13 |
| 8 | | 47 | 36 | 29 | 25 | 42 | 33 | 27 | 23 | 28 | 23 | 20 | 11 |
| 9 | | 43 | 33 | 26 | 22 | 39 | 30 | 24 | 21 | 25 | 21 | 18 | 10 |
| 10 | | 40 | 30 | 24 | 20 | 37 | 28 | 22 | 18 | 23 | 19 | 16 | 9 |

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

### ENERGY DATA

| | |
|---|---|
| Total Luminaire Efficiency | 88.1% |
| Luminaire Efficacy Rating (LER) | FP-76 |
| ANSI/IESNA RP-1-2004 Compliance | Yes-VDT Normal Use |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | $3.16 based on 3000 hrs. and $0.08 per KWH |

### INDOOR CANDELA PLOT




Test Date 3/5/04

## PHOTOMETRIC DATA

### LUMINAIRE DATA Test 13588

| | |
|---|---|
| Luminaire | CVL-3T8-LD-E<br>Cûrv Louver Architectural Curve<br>9.5" × 48" 3-Lamp with 1 × 17 Cell Semi-Specular Center Louver |
| Ballast | REL-3P32-SC |
| Ballast Factor | 0.88 |
| Lamp | F32T8 |
| Lumens per Lamp | 2900 |
| Watts | 85 |
| Mounting | Suspended |
| Shielding Angle | 0° = 29 90° = 25 |
| Spacing Criterion | 0° = 1.16 90° = 1.40 |
| Luminous Opening in Feet | Length: 3.58<br>Width: 0.32<br>Height: 0.00 |

### AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|---|---|---|---|---|---|
| 0 | 12647 | 12647 | 12647 | 12647 | 12647 |
| 30 | 11392 | 11294 | 11815 | 12867 | 13453 |
| 40 | 10745 | 10794 | 12106 | 13100 | 13578 |
| 45 | 10285 | 10564 | 11999 | 12304 | 12942 |
| 50 | 9647 | 10174 | 11036 | 11489 | 12498 |
| 55 | 8387 | 9174 | 9632 | 10222 | 10861 |
| 60 | 5901 | 6840 | 7460 | 7479 | 7874 |
| 65 | 3068 | 3446 | 4380 | 4447 | 4424 |
| 70 | 1978 | 2033 | 2143 | 2170 | 2143 |
| 75 | 1597 | 1597 | 1561 | 1561 | 1597 |
| 80 | 1461 | 1353 | 1353 | 1353 | 1353 |
| 85 | 1617 | 1294 | 1078 | 1078 | 1078 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|---|---|---|---|
| 0-30 | 1021 | 11.7 | 13.2 |
| 0-40 | 1686 | 19.4 | 21.8 |
| 0-60 | 2878 | 33.1 | 37.3 |
| 0-90 | 3144 | 36.1 | 40.7 |
| 90-120 | 1088 | 12.5 | 14.1 |
| 90-130 | 1868 | 21.5 | 24.2 |
| 90-150 | 3460 | 39.8 | 44.8 |
| 90-180 | 4580 | 52.6 | 59.3 |
| 0-180 | 7724 | 88.8 | 100.0 |

### COEFFICIENTS OF UTILIZATION (%)

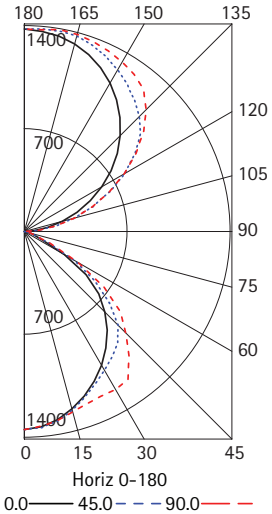
| RCR | RC | 80 | | | | 70 | | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 1 | | 86 | 82 | 79 | 76 | 78 | 75 | 72 | 70 | 62 | 60 | 58 | 32 |
| 2 | | 78 | 72 | 67 | 63 | 71 | 66 | 62 | 58 | 55 | 52 | 49 | 27 |
| 3 | | 72 | 64 | 58 | 53 | 65 | 59 | 53 | 49 | 49 | 45 | 42 | 24 |
| 4 | | 66 | 57 | 50 | 45 | 60 | 52 | 46 | 42 | 43 | 39 | 36 | 21 |
| 5 | | 60 | 51 | 44 | 39 | 55 | 47 | 41 | 36 | 39 | 34 | 31 | 18 |
| 6 | | 56 | 45 | 38 | 34 | 51 | 42 | 36 | 31 | 35 | 30 | 27 | 16 |
| 7 | | 51 | 41 | 34 | 29 | 47 | 38 | 32 | 27 | 32 | 27 | 24 | 14 |
| 8 | | 48 | 37 | 30 | 26 | 43 | 34 | 28 | 24 | 29 | 24 | 21 | 13 |
| 9 | | 44 | 34 | 27 | 23 | 40 | 31 | 25 | 22 | 26 | 22 | 19 | 11 |
| 10 | | 41 | 31 | 25 | 21 | 38 | 29 | 23 | 19 | 24 | 20 | 17 | 10 |

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

### ENERGY DATA

| | |
|---|---|
| Total Luminaire Efficiency | 88.8% |
| Luminaire Efficacy Rating (LER) | 80 |
| ANSI/IESNA RP-1-2004 Compliance | Yes-VDT Normal Use |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | $3.00 based on 3000 hrs. and $0.08 per KWH |

### INDOOR CANDELA PLOT




Test Date 4/8/02

## PHOTOMETRIC DATA

### LUMINAIRE DATA Test 13673

| | |
|---|---|
| Luminaire | CVL-2T5HO-LD-EP<br>Cûrv Louver Architectural Curve<br>9.5" × 48" 2-Lamp with 1 × 17 Cell Semi-Specular Louver |
| Ballast | ICN-2S54 |
| Ballast Factor | 1.00 |
| Lamp | F54T5HO |
| Lumens per Lamp | 4450 |
| Watts | 119 |
| Mounting | Suspended |
| Shielding Angle | 0° = 29 90° = 25 |
| Spacing Criterion | 0° = 1.15 90° = 1.04 |
| Luminous Opening in Feet | Length: 3.58<br>Width: 0.32<br>Height: 0.00 |

### AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|---|---|---|---|---|---|
| 0 | 11595 | 11595 | 11595 | 11595 | 11595 |
| 30 | 10220 | 11511 | 10589 | 8918 | 8766 |
| 40 | 9383 | 10254 | 8242 | 10426 | 11959 |
| 45 | 8783 | 8916 | 9115 | 13288 | 15759 |
| 50 | 7952 | 7689 | 10671 | 15758 | 18389 |
| 55 | 6667 | 6962 | 11582 | 13842 | 14219 |
| 60 | 4623 | 6070 | 9527 | 8738 | 9189 |
| 65 | 2512 | 3468 | 5091 | 5358 | 5491 |
| 70 | 1703 | 2033 | 2418 | 2500 | 2418 |
| 75 | 1380 | 1597 | 1743 | 1779 | 1706 |
| 80 | 1245 | 1407 | 1515 | 1515 | 1461 |
| 85 | 1294 | 1402 | 1186 | 1186 | 1186 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|---|---|---|---|
| 0-30 | 971 | 10.9 | 12.3 |
| 0-40 | 1510 | 17.0 | 19.2 |
| 0-60 | 2708 | 30.4 | 34.4 |
| 0-90 | 2998 | 33.7 | 38.1 |
| 90-120 | 1424 | 16.0 | 18.1 |
| 90-130 | 2257 | 25.4 | 28.7 |
| 90-150 | 3843 | 43.2 | 48.8 |
| 90-180 | 4870 | 54.7 | 61.9 |
| 0-180 | 7868 | 88.4 | 100.0 |

### COEFFICIENTS OF UTILIZATION (%)

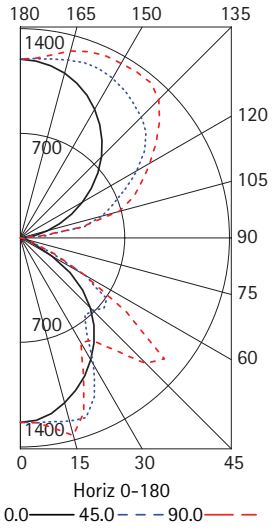
| RC | 80 | | | | 70 | | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 1 | 85 | 81 | 78 | 75 | 77 | 74 | 71 | 69 | 60 | 58 | 57 | 29 |
| 2 | 77 | 71 | 66 | 62 | 70 | 65 | 61 | 57 | 53 | 50 | 48 | 25 |
| 3 | 71 | 63 | 57 | 52 | 64 | 57 | 52 | 48 | 47 | 43 | 40 | 22 |
| 4 | 65 | 56 | 49 | 44 | 59 | 51 | 45 | 41 | 42 | 38 | 34 | 19 |
| 5 | 59 | 50 | 43 | 38 | 54 | 45 | 39 | 35 | 38 | 33 | 30 | 16 |
| 6 | 55 | 44 | 38 | 33 | 50 | 41 | 35 | 30 | 34 | 29 | 26 | 14 |
| 7 | 50 | 40 | 33 | 28 | 46 | 37 | 31 | 27 | 31 | 26 | 23 | 13 |
| 8 | 47 | 36 | 30 | 25 | 42 | 33 | 27 | 23 | 28 | 23 | 20 | 11 |
| 9 | 43 | 33 | 27 | 22 | 40 | 30 | 25 | 21 | 25 | 21 | 18 | 10 |
| 10 | 41 | 30 | 24 | 20 | 37 | 28 | 22 | 19 | 23 | 19 | 16 | 9 |

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

### ENERGY DATA

| | |
|---|---|
| Total Luminaire Efficiency | 88.4% |
| Luminaire Efficacy Rating (LER) | 66 |
| ANSI/IESNA RP-1-2004 Compliance | Yes-VDT Normal Use |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | $3.64 based on 3000 hrs. and $0.08 per KWH |

### INDOOR CANDELA PLOT




Test Date 7/28/04

## PHOTOMETRIC DATA

### LUMINAIRE DATA Test 13694

| | |
|---|---|
| Luminaire | CVL-3T5HO-LD-EP<br>Cûrv Louver Architectural Curve<br>9.5" × 48" 3-Lamp with 1 × 17 Cell Semi-Specular Louver |
| Ballast | ICN-4S54-90C-2LS |
| Ballast Factor | 1.00 |
| Lamp | F54T5HO |
| Lumens per Lamp | 4450 |
| Watts | 185 |
| Mounting | Suspended |
| Shielding Angle | 0° = 29 90° = 25 |
| Spacing Criterion | 0° = 1.14 90° = 1.55 |
| Luminous Opening in Feet | Length: 3.58<br>Width: 0.32<br>Height: 0.00 |

### AVG. LUMINANCE (Candela/Sq. M.)

| Angle | 0.0 | 22.5 | 45.0 | 67.5 | 90.0 |
|---|---|---|---|---|---|
| 0 | 17768 | 17768 | 17768 | 17768 | 17768 |
| 30 | 15612 | 17034 | 16762 | 18140 | 19735 |
| 40 | 14289 | 15442 | 17957 | 21845 | 22654 |
| 45 | 13314 | 14311 | 19121 | 20197 | 21446 |
| 50 | 11972 | 13360 | 17409 | 18798 | 20976 |
| 55 | 10025 | 12253 | 14628 | 15136 | 15284 |
| 60 | 6897 | 9396 | 11031 | 9753 | 10429 |
| 65 | 3602 | 4647 | 5958 | 6203 | 6425 |
| 70 | 2280 | 2610 | 2885 | 2967 | 3022 |
| 75 | 1779 | 1960 | 1997 | 2033 | 2142 |
| 80 | 1569 | 1623 | 1623 | 1623 | 1786 |
| 85 | 1617 | 1186 | 1402 | 1402 | 1402 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Lamp | % Fixt. |
|---|---|---|---|
| 0-30 | 1492 | 11.2 | 12.5 |
| 0-40 | 2480 | 18.6 | 20.8 |
| 0-60 | 4250 | 31.8 | 35.7 |
| 0-90 | 4604 | 34.5 | 38.7 |
| 90-120 | 1985 | 14.9 | 16.7 |
| 90-130 | 3288 | 24.6 | 27.6 |
| 90-150 | 5702 | 42.7 | 47.9 |
| 90-180 | 7301 | 54.7 | 61.3 |
| 0-180 | 11905 | 89.2 | 100.0 |

### COEFFICIENTS OF UTILIZATION (%)

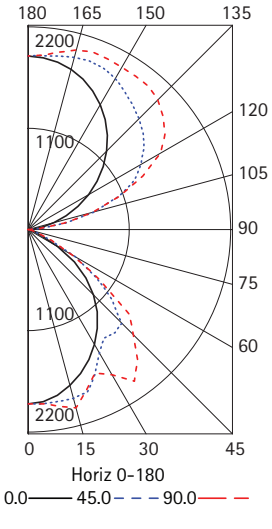
| RC | 80 | | | | 70 | | | | 50 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 1 | 86 | 82 | 79 | 76 | 78 | 75 | 72 | 70 | 61 | 59 | 58 | 30 |
| 2 | 78 | 72 | 67 | 63 | 71 | 66 | 62 | 58 | 54 | 51 | 49 | 26 |
| 3 | 72 | 64 | 58 | 53 | 65 | 58 | 53 | 49 | 48 | 44 | 41 | 23 |
| 4 | 66 | 57 | 50 | 45 | 60 | 52 | 46 | 42 | 43 | 39 | 35 | 20 |
| 5 | 60 | 51 | 44 | 39 | 55 | 46 | 40 | 36 | 38 | 34 | 31 | 17 |
| 6 | 56 | 45 | 38 | 34 | 50 | 42 | 36 | 31 | 35 | 30 | 27 | 15 |
| 7 | 51 | 41 | 34 | 29 | 47 | 38 | 32 | 27 | 31 | 27 | 23 | 14 |
| 8 | 48 | 37 | 30 | 26 | 43 | 34 | 28 | 24 | 29 | 24 | 21 | 12 |
| 9 | 44 | 34 | 27 | 23 | 40 | 31 | 25 | 21 | 26 | 22 | 19 | 11 |
| 10 | 41 | 31 | 25 | 20 | 38 | 28 | 23 | 19 | 24 | 20 | 17 | 10 |

RCR = Room Cavity Ratio
RC = Effective Ceiling Cavity Reflectance RW = Wall Reflectance

### ENERGY DATA

| | |
|---|---|
| Total Luminaire Efficiency | 89.2% |
| Luminaire Efficacy Rating (LER) | 64 |
| ANSI/IESNA RP-1-2004 Compliance | Yes-VDT Normal Use |
| Comparative Yearly Lighting Energy Cost per 1000 Lumens | $3.75 based on 3000 hrs. and $0.08 per KWH |

### INDOOR CANDELA PLOT




Test Date 9/3/04