



Project \_\_\_\_\_

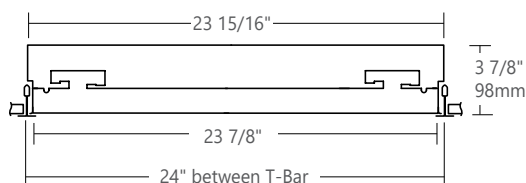
Type \_\_\_\_\_

Notes \_\_\_\_\_

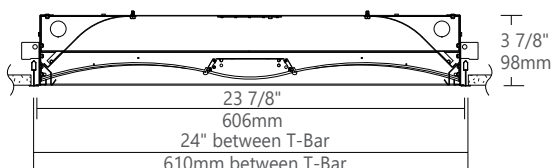
**PERFORMANCE AT 4000K**

| NOMINAL LUMEN OUTPUT | INPUT WATTS* | EFFICACY |
|----------------------|--------------|----------|
| 2500 lm              | 23.09W       | 109 lm/W |
| 3000 lm              | 28.49W       | 105 lm/W |
| 4000 lm              | 39.22W       | 102 lm/W |
| 4400 lm              | 43.64W       | 101 lm/W |

\* Based on a 2'x2' luminaire using one driver  
Please consult factory for customize lumen output and wattage.



SIDE VIEW



SECTION VIEW



\*Check the latest update on the DLC website for complete information. Not all versions may be DLC qualified. See page 2 for DLC Approved options



CONTROL SENSORS

**Ordering Guide**

| WALED      |          | SIZE |       | NOMINAL LUMENS |                   | CRI |        | COLOR TEMP. |        | SHIELDING |           | FINISH |        |
|------------|----------|------|-------|----------------|-------------------|-----|--------|-------------|--------|-----------|-----------|--------|--------|
| PRODUCT ID |          |      |       |                |                   |     |        |             |        |           |           |        |        |
| WALED      | Wave LED | 22   | 2'X2' | 2500           | 2500 lm - Minimum | 80  | 80 CRI | 27          | 2700 K | VL        | VL optics | W      | white  |
|            |          |      |       | 4400           | 4400 lm - Maximum | 90  | 90 CRI | 30          | 3000 K |           |           | C      | custom |
|            |          |      |       |                |                   |     |        | 35          | 3500 K |           |           |        |        |
|            |          |      |       |                |                   |     |        | 40          | 4000 K |           |           |        |        |

Outputs between listed min and max are available.  
Consult factory for outputs outside of the listed range.

[Consult Axitune spec sheet for Axis color technology options](#)

| VOLTAGE |           | DRIVER |                       | CIRCUITS |                                          | MOUNTING |                  | BATTERY (OPTIONAL) |              |
|---------|-----------|--------|-----------------------|----------|------------------------------------------|----------|------------------|--------------------|--------------|
| 120     | 120 V     | DP     | dimming (0-10V) 1%    | 1        | 1 circuit                                | TB9      | t-bar 9/16"      | B#                 | Battery Pack |
| 277     | 277 V     | LT     | lutron <sup>(1)</sup> | +E(#)    | emergency circuit <sup>(3)</sup>         | TB15     | t-bar 15/16"     |                    |              |
| 347     | 347 V     | BI     | bi-level dimming      | +NL(#)   | night light circuit <sup>(3)</sup>       | ST       | screw slot t-bar |                    |              |
| UNV     | universal | O      | other <sup>(2)</sup>  | +GTD(#)  | generator transfer device <sup>(3)</sup> | TG9      | tegular 9/16"    |                    |              |
|         |           |        |                       |          |                                          | TG15     | tegular 15/16"   |                    |              |
|         |           |        |                       |          |                                          | DF       | drywall flange   |                    |              |

(1) Specify system  
(2) Please consult factory  
[Consult Axitune spec sheet for Axis color driver options.](#)

(3) Specify quantity

Not available with 347V  
Please consult factory

| OTHER (OPTIONAL) |                     | IC CONTROLS (OPTIONAL) |                                   | CUSTOM (OPTIONAL) |        |
|------------------|---------------------|------------------------|-----------------------------------|-------------------|--------|
| F                | fuse <sup>(4)</sup> | DS#                    | daylight sensor                   | C                 | custom |
| FW(#)            | flex whip (6' std)  | OS#                    | occupancy sensor                  |                   |        |
| AR               | air return          | DOS#                   | daylight & occupancy sensor       |                   |        |
| CP               | chicago plenum      | EN#                    | Enlighted integral <sup>(5)</sup> |                   |        |
|                  |                     | ENR#                   | Enlighted remote <sup>(5)</sup>   |                   |        |
|                  |                     | WC#                    | wireless control dimming          |                   |        |

(4) Requires 120V or 277V

(5) Please consult factory  
Specify quantity. Requires 1.5" blank.  
See integrated controls guide for more details.

Please specify

## SPECIFICATIONS

### CONSTRUCTION

|                             |                                                                                                    |
|-----------------------------|----------------------------------------------------------------------------------------------------|
| <b>Housing</b>              | Die formed cold rolled sheet steel (20 gauge)                                                      |
| <b>Central Lens Housing</b> | Extruded aluminum (0.060" nominal)                                                                 |
| <b>Center Lens</b>          | PMMA Precision formed microconical structure<br>92 percent transmission, cuts off glare above 55°. |
| <b>Side lens</b>            | 0.08" PMMA satin blend                                                                             |
| <b>Reflectors</b>           | Die formed cold rolled sheet steel (22 gauge)                                                      |
| <b>Interior Brackets</b>    | Die formed cold rolled sheet steel (20 gauge)                                                      |
| <b>Drywall Flange Kit</b>   | Extruded aluminum (0.060" nominal)                                                                 |

## ELECTRICAL

|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lutron driver*</b> | LDE1 - EcoSystem H-Series (1%)<br>LDE5 - EcoSystem 5-Series (5%)<br>LTE - Hi-Lume® A-series 2Wires Forward Phase (1%)<br>*Consult factory |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|

|                      |                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Other drivers</b> | DALI - Digital Addressable Lighting Interface<br>DMX - Digital Multiplex<br>LV - line voltage - Advance Mark 10<br>Xitanium SR - For wireless sensor |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

|                  |                                                                   |
|------------------|-------------------------------------------------------------------|
| <b>Emergency</b> | Integral emergency battery pack<br>or emergency circuit optional. |
|------------------|-------------------------------------------------------------------|

|                      |                        |
|----------------------|------------------------|
| <b>Input Voltage</b> | 120V, 277V, 347V, UNV. |
|----------------------|------------------------|

- i** Incorporating these components may have limitations or affect the length of the luminaire. Please contact factory for more details.

## FINISH

Highly reflective, matte powder coat white paint for high efficiency. Matte texture to diffuse glare and lamp image on the surface within the optical chamber exterior. Custom finishes are also available.

## WARRANTY

Axis Lighting will warrant defective LEDs, boards, and drivers for 5 years from date of purchase. Warranty is valid if luminaire is installed and used according to specifications. If defective, Axis will send replacement boards or drivers at no cost along with detailed replacement instructions and instructions on how to return defective components to Axis.

## APPROVALS

Certified to UL and CSA standards   
Chicago Plenum Certified (CCEA)  
Meets NYC requirements  
Suitable for damp locations.

## DLC Approved Options

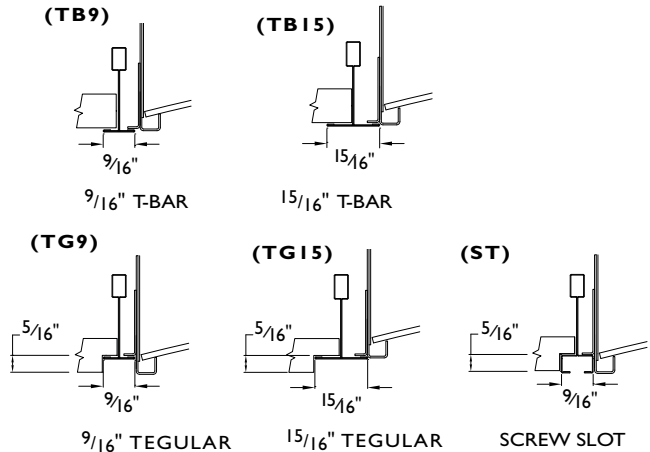


\*Check the latest update on the DLC website for complete information. Not all versions may be DLC qualified.

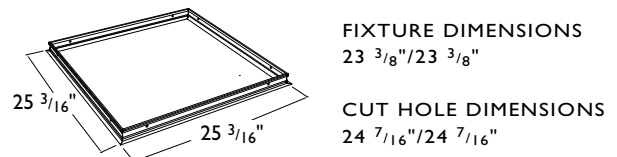
| SIZE  | OUTPUT                                   | CRI | LUMENS                     | SHIELDING | FINISH | VOLTAGE   | DRIVER | CIRCUITS |
|-------|------------------------------------------|-----|----------------------------|-----------|--------|-----------|--------|----------|
| 2'X2' | 2500 lm<br>3000 lm<br>4000 lm<br>4400 lm | 80  | 3000 K<br>3500 K<br>4000 K | VL        | white  | universal | DP     | 1        |

## CEILING SYSTEM

### T-BAR STYLE MOUNTING



### DRYWALL WITH FLANGE KIT (DF)

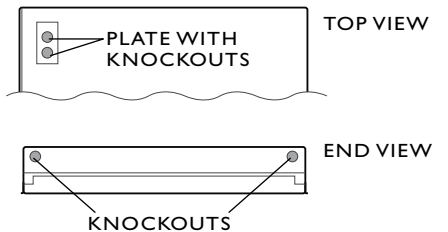


- i** Installation sheets for all mountings options are available at: [www.axislighting.com](http://www.axislighting.com)

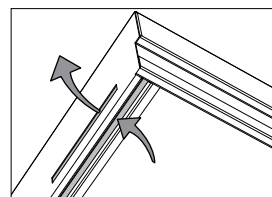
## STANDARD AND END MOUNT POWER FEED

Knockouts for BX cable connection are provided both on the top and on the ends of the luminaire. This allows for an end mount power feed solution if it is required.

(BX CABLE BY OTHER)



## AIR RETURN

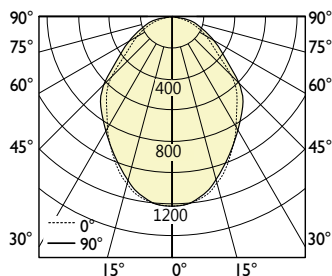


The air return (AR) option consists of discrete slots along the sides of the luminaire. These slots allow air to exhaust into the plenum and eliminate the need for unsightly air return grilles, and create a clean and well organized ceiling.

## WEIGHT

|                         |                 |
|-------------------------|-----------------|
| <b>Standard</b>         | 19 lbs / 8.6 kg |
| <b>Drywall with Kit</b> | 21 lbs / 9.6 kg |

**● PHOTOMETRIC DATA**
**LED**

**PHOTOMETRIC CURVE**


**Luminaire Lumens: 2500 lm**  
**Input Watts: 23.09 W**  
**Efficacy: 109 lm/W**  
**IES FILE: WALED-22-2500-80-40-VL.ies**

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

| Vertical Angle | Horizontal Angles |      |      |      |      | Zonal Lumens |
|----------------|-------------------|------|------|------|------|--------------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |              |
| 0              | 1209              | 1209 | 1209 | 1209 | 1209 |              |
| 10             | 1164              | 1163 | 1162 | 1161 | 1160 | 55.31        |
| 20             | 1015              | 1011 | 1014 | 1017 | 1016 | 95.11        |
| 30             | 820               | 832  | 853  | 869  | 875  | 116.56       |
| 40             | 650               | 671  | 708  | 727  | 733  | 123.24       |
| 50             | 400               | 425  | 445  | 470  | 487  | 93.63        |
| 60             | 249               | 273  | 293  | 313  | 323  | 69.14        |
| 70             | 152               | 167  | 182  | 197  | 212  | 46.88        |
| 80             | 69                | 76   | 86   | 87   | 86   | 22.04        |
| 90             | 0                 | 0    | 0    | 0    | 0    |              |

**LUMINANCE DATA (CD/M<sup>2</sup>)**

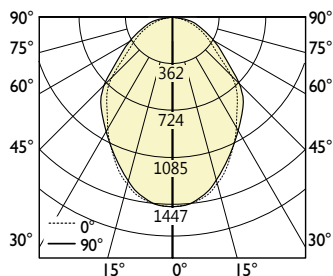
| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 2250              | 2464 | 2570 |
| 55             | 1594              | 1885 | 2046 |
| 65             | 1410              | 1642 | 1875 |
| 75             | 1312              | 1554 | 1819 |
| 85             | 957               | 923  | 786  |

**COEFFICIENTS OF UTILIZATION (%)**

| Ceiling | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 10  |
| Wall    | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 10  |
| 0       | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | 111 |
| 1       | 110 | 106 | 102 | 97  | 107 | 103 | 100 | 95  | 99  | 96  | 92  | 92  |
| 2       | 101 | 93  | 87  | 79  | 98  | 91  | 86  | 79  | 88  | 83  | 77  | 77  |
| 3       | 93  | 83  | 75  | 67  | 90  | 81  | 74  | 66  | 78  | 72  | 65  | 65  |
| 4       | 86  | 74  | 66  | 57  | 83  | 73  | 65  | 57  | 71  | 64  | 56  | 56  |
| 5       | 79  | 67  | 59  | 50  | 77  | 66  | 58  | 50  | 64  | 57  | 49  | 49  |
| 6       | 73  | 61  | 52  | 44  | 72  | 60  | 52  | 44  | 58  | 51  | 44  | 44  |
| 7       | 68  | 56  | 47  | 39  | 67  | 55  | 47  | 39  | 53  | 46  | 39  | 39  |
| 8       | 64  | 51  | 43  | 35  | 62  | 50  | 43  | 35  | 49  | 42  | 35  | 35  |
| 9       | 60  | 47  | 39  | 32  | 59  | 47  | 39  | 32  | 45  | 39  | 32  | 32  |
| 10      | 56  | 44  | 36  | 29  | 55  | 43  | 36  | 29  | 42  | 35  | 29  | 29  |

Based on floor reflectance of 20

**LED**

**PHOTOMETRIC CURVE**


**Luminaire Lumens: 3000 lm**  
**Input Watts: 28.49 W**  
**Efficacy: 105 lm/W**  
**IES FILE: WALED-22-3000-80-40-VL.ies**

TESTED ACCORDING TO IES LM-79-2008

**CANDELA DISTRIBUTION**

| Vertical Angle | Horizontal Angles |      |      |      |      | Zonal Lumens |
|----------------|-------------------|------|------|------|------|--------------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |              |
| 0              | 1447              | 1447 | 1447 | 1447 | 1447 |              |
| 10             | 1393              | 1392 | 1391 | 1390 | 1389 | 66           |
| 20             | 1215              | 1210 | 1214 | 1217 | 1216 | 114          |
| 30             | 982               | 996  | 1021 | 1040 | 1047 | 140          |
| 40             | 778               | 803  | 848  | 870  | 877  | 148          |
| 50             | 479               | 509  | 533  | 563  | 583  | 112          |
| 60             | 298               | 327  | 351  | 375  | 387  | 83           |
| 70             | 182               | 200  | 218  | 236  | 254  | 56           |
| 80             | 83                | 91   | 103  | 104  | 103  | 26           |
| 90             | 0                 | 0    | 0    | 0    | 0    |              |

**LUMINANCE DATA (CD/M<sup>2</sup>)**

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 2693              | 2950 | 3076 |
| 55             | 1909              | 2257 | 2450 |
| 65             | 1688              | 1966 | 2245 |
| 75             | 1571              | 1860 | 2177 |
| 85             | 1146              | 1105 | 941  |

**COEFFICIENTS OF UTILIZATION (%)**

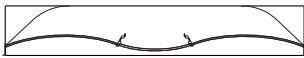
| Ceiling | 80  |     |     |     | 70  |     |     |     | 50  |     |     |  |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Wall    | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  |  |
| 0       | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 |  |
| 1       | 110 | 106 | 102 | 97  | 107 | 103 | 100 | 95  | 99  | 96  | 92  |  |
| 2       | 101 | 93  | 87  | 79  | 98  | 91  | 86  | 79  | 88  | 83  | 77  |  |
| 3       | 93  | 83  | 75  | 67  | 90  | 81  | 74  | 66  | 78  | 72  | 65  |  |
| 4       | 86  | 74  | 66  | 57  | 83  | 73  | 65  | 57  | 71  | 64  | 56  |  |
| 5       | 79  | 67  | 59  | 50  | 77  | 66  | 58  | 50  | 64  | 57  | 49  |  |
| 6       | 73  | 61  | 52  | 44  | 72  | 60  | 52  | 44  | 58  | 51  | 44  |  |
| 7       | 68  | 56  | 47  | 39  | 67  | 55  | 47  | 39  | 53  | 46  | 39  |  |
| 8       | 64  | 51  | 43  | 35  | 62  | 50  | 43  | 35  | 49  | 42  | 35  |  |
| 9       | 60  | 47  | 39  | 32  | 59  | 47  | 39  | 32  | 45  | 39  | 32  |  |
| 10      | 56  | 44  | 36  | 29  | 55  | 43  | 36  | 29  | 42  | 35  | 29  |  |

Based on floor reflectance of 20

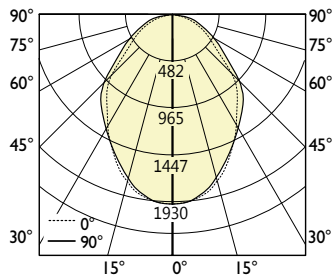
**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)

● PHOTOMETRIC DATA

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 4000 lm  
Input Watts: 39.22 W  
Efficacy: 102 lm/W  
IES FILE: WALED-22-4000-80-40-VL.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      | Zonal Lumens |
|----------------|-------------------|------|------|------|------|--------------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |              |
| 0              | 1930              | 1930 | 1930 | 1930 | 1930 |              |
| 10             | 1858              | 1856 | 1855 | 1853 | 1852 | 88           |
| 20             | 1620              | 1614 | 1619 | 1623 | 1622 | 152          |
| 30             | 1309              | 1328 | 1362 | 1387 | 1397 | 186          |
| 40             | 1038              | 1071 | 1130 | 1160 | 1170 | 197          |
| 50             | 638               | 678  | 710  | 750  | 777  | 149          |
| 60             | 397               | 436  | 468  | 500  | 516  | 110          |
| 70             | 243               | 267  | 291  | 314  | 338  | 75           |
| 80             | 110               | 121  | 137  | 139  | 137  | 35           |
| 90             | 0                 | 0    | 0    | 0    | 0    |              |

LUMINANCE DATA (CD/M<sup>2</sup>)

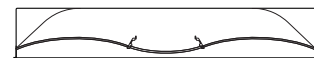
| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 3591              | 3934 | 4102 |
| 55             | 2545              | 3009 | 3266 |
| 65             | 2250              | 2621 | 2993 |
| 75             | 2094              | 2480 | 2903 |
| 85             | 1528              | 1473 | 1255 |

COEFFICIENTS OF UTILIZATION (%)

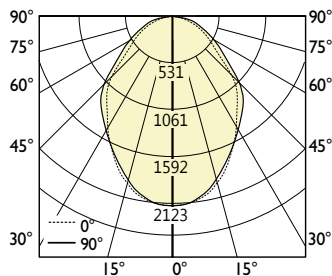
| Ceiling | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 10  |
| Wall    |     |     |     |     |     |     |     |     |     |     |     |     |
| 0       | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | 111 |
| 1       | 110 | 106 | 102 | 97  | 107 | 103 | 100 | 95  | 99  | 96  | 92  | 92  |
| 2       | 101 | 93  | 87  | 79  | 98  | 91  | 86  | 79  | 88  | 83  | 77  | 77  |
| 3       | 93  | 83  | 75  | 67  | 90  | 81  | 74  | 66  | 78  | 72  | 65  | 65  |
| 4       | 86  | 74  | 66  | 57  | 83  | 73  | 65  | 57  | 71  | 64  | 56  | 56  |
| 5       | 79  | 67  | 59  | 50  | 77  | 66  | 58  | 50  | 64  | 57  | 49  | 49  |
| 6       | 73  | 61  | 52  | 44  | 72  | 60  | 52  | 44  | 58  | 51  | 44  | 44  |
| 7       | 68  | 56  | 47  | 39  | 67  | 55  | 47  | 39  | 53  | 46  | 39  | 39  |
| 8       | 64  | 51  | 43  | 35  | 62  | 50  | 43  | 35  | 49  | 42  | 35  | 35  |
| 9       | 60  | 47  | 39  | 32  | 59  | 47  | 39  | 32  | 45  | 39  | 32  | 32  |
| 10      | 56  | 44  | 36  | 29  | 55  | 43  | 36  | 29  | 42  | 35  | 29  | 29  |

Based on floor reflectance of 20

LED



PHOTOMETRIC CURVE



Luminaire Lumens: 4400 lm  
Input Watts: 43.64 W  
Efficacy: 101 lm/W  
IES FILE: WALED-22-4400-80-40-VL.ies

TESTED ACCORDING TO IES LM-79-2008

CANDELA DISTRIBUTION

| Vertical Angle | Horizontal Angles |      |      |      |      | Zonal Lumens |
|----------------|-------------------|------|------|------|------|--------------|
|                | 0                 | 22.5 | 45   | 67.5 | 90   |              |
| 0              | 2123              | 2123 | 2123 | 2123 | 2123 |              |
| 10             | 2044              | 2042 | 2040 | 2038 | 2037 | 97           |
| 20             | 1782              | 1775 | 1780 | 1786 | 1784 | 167          |
| 30             | 1440              | 1461 | 1498 | 1526 | 1536 | 205          |
| 40             | 1141              | 1178 | 1243 | 1276 | 1287 | 216          |
| 50             | 702               | 746  | 781  | 825  | 855  | 164          |
| 60             | 437               | 479  | 514  | 550  | 567  | 121          |
| 70             | 267               | 293  | 320  | 346  | 372  | 82           |
| 80             | 121               | 133  | 151  | 153  | 151  | 39           |
| 90             | 0                 | 0    | 0    | 0    | 0    |              |

LUMINANCE DATA (CD/M<sup>2</sup>)

| Vertical Angle | Horizontal Angles |      |      |
|----------------|-------------------|------|------|
|                | 0                 | 45   | 90   |
| 45             | 3950              | 4357 | 4512 |
| 55             | 2799              | 3310 | 3593 |
| 65             | 2475              | 2884 | 3292 |
| 75             | 2304              | 2728 | 3193 |
| 85             | 1680              | 1620 | 1380 |

COEFFICIENTS OF UTILIZATION (%)

| Ceiling | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|         | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 10  |
| Wall    |     |     |     |     |     |     |     |     |     |     |     |     |
| 0       | 119 | 119 | 119 | 119 | 117 | 117 | 117 | 117 | 111 | 111 | 111 | 111 |
| 1       | 110 | 106 | 102 | 97  | 107 | 103 | 100 | 95  | 99  | 96  | 92  | 92  |
| 2       | 101 | 93  | 87  | 79  | 98  | 91  | 86  | 79  | 88  | 83  | 77  | 77  |
| 3       | 93  | 83  | 75  | 67  | 90  | 81  | 74  | 66  | 78  | 72  | 65  | 65  |
| 4       | 86  | 74  | 66  | 57  | 83  | 73  | 65  | 57  | 71  | 64  | 56  | 56  |
| 5       | 79  | 67  | 59  | 50  | 77  | 66  | 58  | 50  | 64  | 57  | 49  | 49  |
| 6       | 73  | 61  | 52  | 44  | 72  | 60  | 52  | 44  | 58  | 51  | 44  | 44  |
| 7       | 68  | 56  | 47  | 39  | 67  | 55  | 47  | 39  | 53  | 46  | 39  | 39  |
| 8       | 64  | 51  | 43  | 35  | 62  | 50  | 43  | 35  | 49  | 42  | 35  | 35  |
| 9       | 60  | 47  | 39  | 32  | 59  | 47  | 39  | 32  | 45  | 39  | 32  | 32  |
| 10      | 56  | 44  | 36  | 29  | 55  | 43  | 36  | 29  | 42  | 35  | 29  | 29  |

Based on floor reflectance of 20

**i** All IES files are available for download at: [www.axislighting.com](http://www.axislighting.com)