

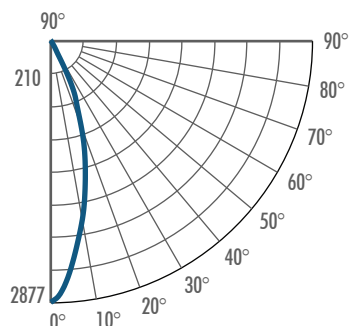
## LRALD4 (GEN3) - PHOTOMETRY

### 4" ARCHITECTURAL LED TRIM

#### LRALD4SWF062-T40 - 1100lm - Flood - 4000K

|                   |         |               |       |
|-------------------|---------|---------------|-------|
| System Power      | :13.0W  | Multipliers   |       |
| Test Date         | :7/2016 | 3500K         | 0.99  |
| Beam Angle 50%    | :31.9°  | 3000K         | 0.97  |
| Field Angle 10%   | :57.9°  | 2700K         | 0.95  |
| Color Temperature | :4000K  | 2500K         | 0.45  |
| CRI               | :80.0   | 1700K         | 0.42  |
| R9 Value          | :69.7   | CRI           |       |
| Lumens Delivered  | :1123lm | 80CRI (Blank) | :1.00 |
| CBCP              | :2827cd | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00   |               |       |

#### CANDELA TABULATION



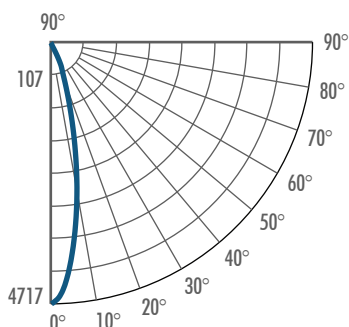
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 4.6'          | 44.2 |
| 12'    | 6.9'          | 19.6 |
| 16'    | 9.1'          | 11.0 |
| 20'    | 11.4'         | 7.1  |
| 28'    | 16.0'         | 3.6  |

#### LRALD4SWF062-B25-T40 - 1100lm - Narrow - 4000K

|                   |          |               |       |
|-------------------|----------|---------------|-------|
| System Power      | :13.0W   | Multipliers   |       |
| Test Date         | :11/2016 | 3500K         | 0.99  |
| Beam Angle 50%    | :23.5°   | 3000K         | 0.97  |
| Field Angle 10%   | :50.2°   | 2700K         | 0.95  |
| Color Temperature | :4000K   | 2500K         | 0.45  |
| CRI               | :80.0    | 1700K         | 0.42  |
| R9 Value          | :69.7    | CRI           |       |
| Lumens Delivered  | :1148lm  | 80CRI (Blank) | :1.00 |
| CBCP              | :4715cd  | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00    |               |       |

#### CANDELA TABULATION



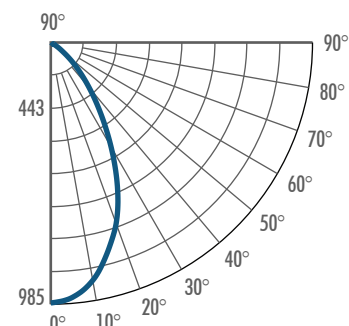
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 3.3'          | 73.7 |
| 12'    | 5.0'          | 32.7 |
| 18'    | 7.5'          | 14.6 |
| 24'    | 10.0'         | 8.2  |
| 36'    | 15.0'         | 3.6  |

#### LRALD4SWF062-B60-T40 - 1100lm - Wide - 4000K

|                   |          |               |       |
|-------------------|----------|---------------|-------|
| System Power      | :13.0W   | Multipliers   |       |
| Test Date         | :11/2016 | 3500K         | 0.99  |
| Beam Angle 50%    | :56.4°   | 3000K         | 0.97  |
| Field Angle 10%   | :96.3°   | 2700K         | 0.95  |
| Color Temperature | :4000K   | 2500K         | 0.45  |
| CRI               | :80.0    | 1700K         | 0.42  |
| R9 Value          | :68.7    | CRI           |       |
| Lumens Delivered  | :1016lm  | 80CRI (Blank) | :1.00 |
| CBCP              | :985cd   | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00    |               |       |

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 6'     | 6.4'          | 27.4 |
| 8'     | 8.6'          | 15.4 |
| 10'    | 10.7'         | 9.9  |
| 12'    | 12.9'         | 6.8  |
| 16'    | 17.2'         | 3.8  |

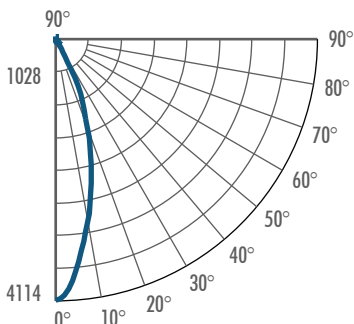
## LRALD4 (GEN3) - PHOTOMETRY

### 4" ARCHITECTURAL LED TRIM

#### LRALD4SWF160-T40 - 1600lm - Flood - 4000K

|                   |         |               |       |
|-------------------|---------|---------------|-------|
| System Power      | :13.0W  | Multipliers   |       |
| Test Date         | :7/2017 | 3500K         | 0.99  |
| Beam Angle 50%    | :31.9°  | 3000K         | 0.97  |
| Field Angle 10%   | :57.9°  | 2700K         | 0.95  |
| Color Temperature | :4000K  | 2500K         | 0.45  |
| CRI               | :80.0   | 1700K         | 0.42  |
| R9 Value          | :69.3   | CRI           |       |
| Lumens Delivered  | :1605lm | 80CRI (Blank) | :1.00 |
| CBCP              | :4114cd | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00   |               |       |

#### CANDELA TABULATION



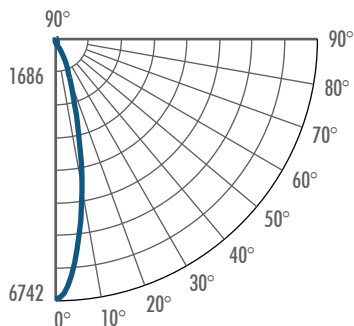
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 10'    | 5.7'          | 41.1 |
| 20'    | 11.4'         | 10.3 |
| 25'    | 14.3'         | 6.6  |
| 30'    | 17.1'         | 4.6  |
| 35'    | 20.0'         | 3.4  |

#### LRALD4SWF160-B25-T40 - 1600lm - Narrow - 4000K

|                   |         |               |       |
|-------------------|---------|---------------|-------|
| System Power      | :13.0W  | Multipliers   |       |
| Test Date         | :7/2017 | 3500K         | 0.99  |
| Beam Angle 50%    | :23.5°  | 3000K         | 0.97  |
| Field Angle 10%   | :50.2°  | 2700K         | 0.95  |
| Color Temperature | :4000K  | 2500K         | 0.45  |
| CRI               | :80.0   | 1700K         | 0.42  |
| R9 Value          | :69.7   | CRI           |       |
| Lumens Delivered  | :1148lm | 80CRI (Blank) | :1.00 |
| CBCP              | :6742cd | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00   |               |       |

#### CANDELA TABULATION



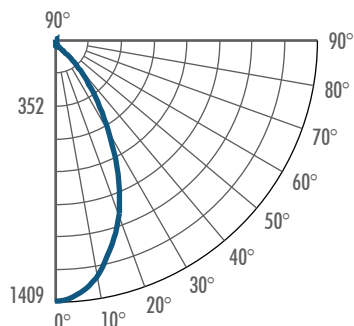
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 10'    | 4.2'          | 67.4 |
| 15'    | 6.2'          | 30.0 |
| 20'    | 8.3'          | 16.9 |
| 30'    | 12.5'         | 7.5  |
| 45'    | 18.7'         | 3.3  |

#### LRALD4SWF160-B60-T40 - 1600lm - Wide - 4000K

|                   |         |               |       |
|-------------------|---------|---------------|-------|
| System Power      | :13.0W  | Multipliers   |       |
| Test Date         | :7/2017 | 3500K         | 0.99  |
| Beam Angle 50%    | :56.4°  | 3000K         | 0.97  |
| Field Angle 10%   | :96.7°  | 2700K         | 0.95  |
| Color Temperature | :4000K  | 2500K         | 0.45  |
| CRI               | :80.0   | 1700K         | 0.42  |
| R9 Value          | :68.7   | CRI           |       |
| Lumens Delivered  | :1452lm | 80CRI (Blank) | :1.00 |
| CBCP              | :1409cd | 97CRI (-C97)  | :0.73 |
| Power Factor      | :1.00   |               |       |

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 8.6'          | 22.0 |
| 10'    | 10.7'         | 14.1 |
| 12'    | 12.9'         | 9.8  |
| 16'    | 17.2'         | 5.5  |
| 20'    | 21.4'         | 3.5  |