

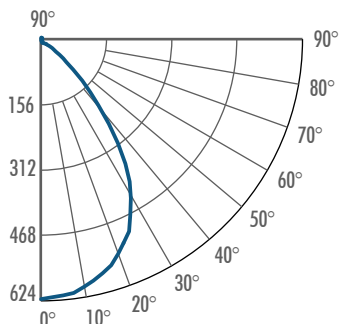
## CRTR6L - PHOTOMETRY

### 6" COMMERCIAL LED RETROFIT

#### CRTR6L10SW-T40 - 1000lm - 4000K

|                   |         |             |      |
|-------------------|---------|-------------|------|
| System Power      | :10.4W  | Multipliers |      |
| Test Date         | :7/2017 | Lumens      |      |
| Beam Angle 50%    | :74.6°  | 3800LM      | 4.16 |
| Field Angle 10%   | :111.0° | 2300LM      | 2.57 |
| Color Temperature | :4059K  | 1500LM      | 1.62 |
| CRI               | :86.5   | 1000LM      | 1.00 |
| R9 Value          | :29.4   | CCT         |      |
| Lumens Delivered  | :930lm  | 4000K       | 1.00 |
| CBCP              | :625cd  | 3500K       | 0.99 |
| Power Factor      | :0.99   | 3000K       | 0.97 |

#### CANDELA TABULATION



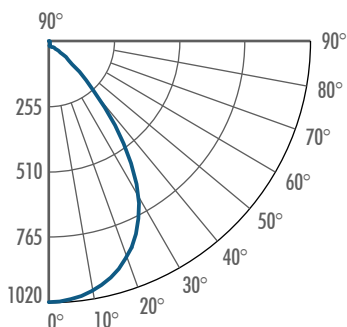
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 6'     | 9.1'          | 17.4 |
| 8'     | 12.2'         | 9.8  |
| 10'    | 15.2'         | 6.3  |
| 12'    | 18.3'         | 4.3  |
| 14'    | 21.3'         | 3.2  |

#### CRTR6L15SW-T40 - 1500lm - 4000K

|                   |         |             |      |
|-------------------|---------|-------------|------|
| System Power      | :17.5W  | Multipliers |      |
| Test Date         | :7/2017 | Lumens      |      |
| Beam Angle 50%    | :73.7°  | 3800LM      | 2.57 |
| Field Angle 10%   | :109.1° | 2300LM      | 1.59 |
| Color Temperature | :4096K  | 1500LM      | 1.00 |
| CRI               | :86.4   | 1000LM      | 0.62 |
| R9 Value          | :29.4   | CCT         |      |
| Lumens Delivered  | :1502lm | 4000K       | 1.00 |
| CBCP              | :1022cd | 3500K       | 0.99 |
| Power Factor      | :0.99   | 3000K       | 0.97 |

#### CANDELA TABULATION



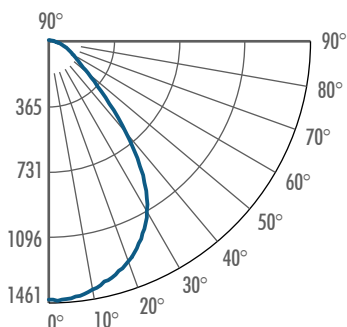
#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 12.0'         | 16.0 |
| 10'    | 15.0'         | 10.2 |
| 12'    | 18.0'         | 7.1  |
| 16'    | 24.0'         | 4.0  |
| 20'    | 30.0'         | 2.6  |

#### CRTR6L22SW-T40 - 2300lm - 4000K

|                   |          |             |      |
|-------------------|----------|-------------|------|
| System Power      | :31.3W   | Multipliers |      |
| Test Date         | :12/2015 | Lumens      |      |
| Beam Angle 50%    | :77.9°   | 3800LM      | 1.62 |
| Field Angle 10%   | :123.7°  | 2300LM      | 1.00 |
| Color Temperature | :4000K   | 1500LM      | 0.63 |
| CRI               | :80      | 1000LM      | 0.39 |
| R9 Value          | :68      | CCT         |      |
| Lumens Delivered  | :2386lm  | 4000K       | 1.00 |
| CBCP              | :1460cd  | 3500K       | 0.99 |
| Power Factor      | :> 0.90  | 3000K       | 0.97 |

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 12.9'         | 22.8 |
| 10'    | 16.2'         | 14.6 |
| 12'    | 19.4'         | 10.1 |
| 16'    | 25.9'         | 5.7  |
| 20'    | 32.3'         | 3.7  |

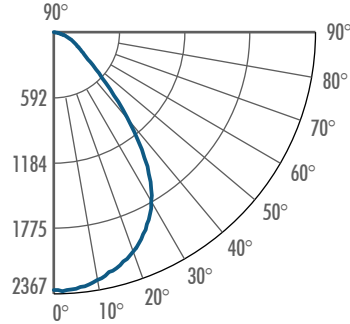
## CRTR6L - PHOTOMETRY

### 6" COMMERCIAL LED RETROFIT

#### CRTR6L36SW-T40 - 3800lm - 4000K

|                   |         |             |      |
|-------------------|---------|-------------|------|
| System Power      | :51.3W  | Multipliers |      |
| Test Date         | :2/2018 | Lumens      |      |
| Beam Angle 50%    | :77.9°  | 3800LM      | 1.00 |
| Field Angle 10%   | :123.7° | 2300LM      | 0.62 |
| Color Temperature | :4000K  | 1500LM      | 0.39 |
| CRI               | :80     | 1000LM      | 0.24 |
| R9 Value          | :68     | CCT         |      |
| Lumens Delivered  | :3865lm | 4000K       | 1.00 |
| CBCP              | :2366cd | 3500K       | 0.99 |
| Power Factor      | :> 0.90 | 3000K       | 0.97 |

#### CANDELA TABULATION



#### FOOTCANDLE DISTRIBUTION

| Height | Beam Diameter | FC   |
|--------|---------------|------|
| 8'     | 12.9'         | 37.0 |
| 12'    | 19.4'         | 16.4 |
| 16'    | 25.9'         | 9.2  |
| 20'    | 32.3'         | 5.9  |
| 24'    | 38.8'         | 4.1  |