

PROJECT NAME: \_\_\_\_\_

CAT. #: \_\_\_\_\_

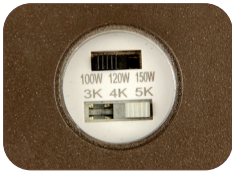
NOTES: \_\_\_\_\_

FIXTURE SCHEDULE: \_\_\_\_\_

## AE Switch Area Light



Toolless housing access

Switchable Wattage/  
CCT/Distribution

150W with Slipfitter

150W with Arm

### Product Description

The AE Switch Area Light offers tremendous selectability and controls capabilities. Besides CCT and Wattage choices, it expands its versatility to include changing distributions between Types III, IV and V! It covers wattages ranging from 75W-300W in either 120-277V or 277-480V using two low EPA housings. It also offers a variety of mounting options along with visor accessories. All of this is available with robust surge protection and Maxlite's proven quality bringing you great value in a competitive Value Series package.

### Features

- 27 performance options just a switch away!
  - Distribution Types III, IV or V
  - CCT selectable between 3000/4000/5000K
  - Wattage selectable
- c-Max and/or twist lock receptacle control options
- Universal 120-277V standard, High Voltage 277-480V option
- Robust surge protection - 6kV + 10kA standard with 20kA option
- Toolless housing access for easier maintenance
- Variety of mountings - Arm, Slipfitter and Trunnion
- ANSI 3G vibration rated
- TAA compliance available - contact Maxlite for details

### Model Selection

| FAMILY                | WATTAGE                                                                                                        | VOLTAGE                                    | DISTRIBUTION                                  | - | CCT                                          | FINISH                                                                   | MOUNTING*                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | CONTROL OPTIONS<br>(FACTORY INSTALLED)                                                                                                                                                | SURGE                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------|-----------------------------------------------|---|----------------------------------------------|--------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>AE =</b> Slim Area | <b>100 =</b> 75/85/100W<br><b>150 =</b> 100/125/150W<br><b>200 =</b> 150/175/200W<br><b>300 =</b> 200/250/300W | <b>U =</b> 120-277V<br><b>H =</b> 277-480V | <b>MC =</b> Choice between Types III, IV or V |   | <b>WCS =</b> CCT/Wattage Selectable (3/4/5K) | <b>B =</b> Bronze<br><br><i>Contact Maxlite for additional finishes.</i> | <b>STANDARD</b><br><b>K =</b> Upper half knuckle attached with 6' SO cord<br><br><i>Order lower half flexible arm or slipfitter (2 3/8" OD) separately - see Mounting Guide &amp; Accessories Chart</i><br><br><b>FACTORY INSTALLED OPTIONS**</b><br><b>A =</b> Straight Arm<br><b>T =</b> Trunnion<br><b>2 =</b> Flexible Arm and Slipfitter included<br><br><small>* Arms fit both square and round poles - see Installation Manual<br/>** For Field Installed Options - see Mounting Guide &amp; Accessories chart</small> | <b>CR =</b> Controls ready for c-Max Controls<br><br><b>RPC=</b> 3-pin twist lock receptacle (CR remains functional)<br><br><b>PR7=</b> 7-pin twist lock receptacle (CR disconnected) | <b>Blank =</b> 6kV +10kA Surge Protection (Standard)<br><br><b>S =</b> 20kA Surge Protection<br><br><i>Factory Installed</i> |

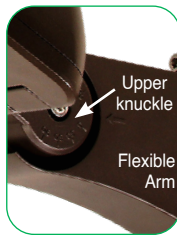
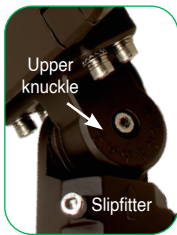
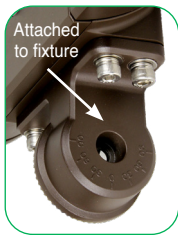
### Mounting Guide

#### Flexible Arm or Slipfitter (attach to Upper Knuckle)

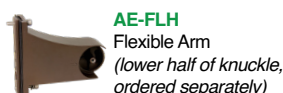
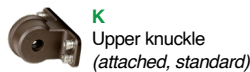
Upper Knuckle "K"

Slipfitter

Flexible Arm

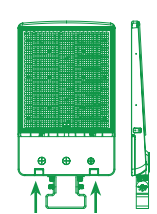
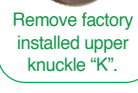


Upper Knuckle is attached to the fixture and includes 6' SO cord. It is the mounting point for Flexible Arm & Slipfitter which are ordered separately.



#### Field installed options

Upper Knuckle "K"


**AE-SAB**  
 Straight Arm  
 (field installed)

**MAE-TSB**  
 Trunnion  
 (field installed)

Install Straight arm or Trunnion mount.

For Factory installed options, see Mounting in Model Selection matrix



**5-year standard warranty** (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))

# AE Switch Area Light

## DLC Chart

Primary Use Designation: Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

### Universal Models

| MODEL #                        | DLC PRODUCT ID |
|--------------------------------|----------------|
| AE100U[MC,IR]-WCS[ALL OPTIONS] | S-NIRGY3       |
| AE150U[MC,IR]-WCS[ALL OPTIONS] | S-BXDJ7Q       |
| AE200U[MC,IR]-WCS[ALL OPTIONS] | S-QK1ZGD       |
| AE300U[MC,IR]-WCS[ALL OPTIONS] | S-9PSMD0       |

### High Voltage Models

| MODEL #                        | DLC PRODUCT ID |
|--------------------------------|----------------|
| AE100H[MC,IR]-WCS[ALL OPTIONS] | S-MVN60V       |
| AE150H[MC,IR]-WCS[ALL OPTIONS] | S-6SNRKR       |
| AE200H[MC,IR]-WCS[ALL OPTIONS] | S-JVSXLX       |
| AE300H[MC,IR]-WCS[ALL OPTIONS] | S-2H7WRV       |

## Accessories (Sold Separately)

| ORDER CODE      | MODEL NUMBER | DESCRIPTION                                                                                            | IMAGE |
|-----------------|--------------|--------------------------------------------------------------------------------------------------------|-------|
| 112467          | AE-SHIELD-SM | AE CHANGEABLE OPTICS FRONT/BACK SHIELD <150W, EPA=0.47                                                 |       |
| 112468          | AE-SHIELD-LG | AE CHANGEABLE OPTICS FRONT/BACK SHIELD >150W, EPA=0.64                                                 |       |
| 112465          | AE-VISOR-SM  | AE CHANGEABLE OPTICS SIDE VISOR <150W, EPA=0.65                                                        |       |
| 112466          | AE-VISOR-LG  | AE CHANGEABLE OPTICS SIDE VISOR >150W, EPA=0.84                                                        |       |
| 111983          | AE-FLH       | LOWER KNUCKLE ARM ATTACHES TO UPPER HALF OF THE KNUCKLE (K) ON THE FIXTURE                             |       |
| 111984          | AE-KLH       | LOWER KNUCKLE SLIPFITTER ATTACHES TO UPPER HALF OF THE KNUCKLE (K) ON THE FIXTURE                      |       |
| 111217          | AE-SAB       | STRAIGHT ARM FOR AE SERIES, BRONZE (REMOVE UPPER KNUCKLE TO INSTALL, SEE MOUNTING GUIDE ABOVE)         |       |
| 112461          | MAE-TSB      | TRUNNION SWIVEL FOR AE SERIES, BRONZE (REMOVE UPPER KNUCKLE TO INSTALL, SEE MOUNTING GUIDE ABOVE)      |       |
| 105038          | PCTL-UNV     | TWIST-LOCK ELECTRONIC PHOTOCONTROL 120/208/240/277V (USED WITH RPC OR PR7 OPTION, NOT C-MAX)           |       |
| 105866          | PCTL-HV      | TWIST-LOCK ELECTRONIC PHOTOCONTROL 480V (USED WITH RPC OR PR7 OPTION, NOT C-MAX)                       |       |
| 96268           | MLRTLPCRSP   | SHORTING CAP FOR NEMA TWIST LOCK PHOTOCELL RECEPTACLE (3, 5 OR 7 PIN)                                  |       |
| c-Max Basic     |              |                                                                                                        |       |
| 105567          | CN-REMOTE    | C-MAX REMOTE CONTROL, AT LEAST 1 PER PROJECT TO PROGRAM MOTION SENSOR (RPC OR PR7)                     |       |
| 105569          | CN-RDPCB†    | C-MAX PHOTOCELL NODE ROUND, BRONZE, IP66, USED WITH CONTROLS READY FIXTURES                            |       |
| 105566          | CN-RDMSB†*   | C-MAX CONTROL NODE ROUND, PIR MOTION SENSOR/PHOTOCELL, BRONZE, IP66, USED WITH CONTROLS READY FIXTURES |       |
| c-Max Network** |              |                                                                                                        |       |
| 105897          | NN-RDB       | NETWORK NODE ROUND, BRONZE                                                                             |       |
| 111459          | NN-RDMPBXR   | NETWORK NODE ROUND, PIR MOTION SENSOR, PHOTOCELL, BLACK, EXTENDED (XR) RANGE                           |       |
| 106391          | NN-RDW       | NETWORK NODE ROUND, WHITE                                                                              |       |

† Requires 1.5M Allen wrench

\* Requires at least 1 remote control (CN-REMOTE) per project to program

\*\* Requires c-Max App



## AE Switch Area Light

### Specifications

|                                                                                                  | AE100                                                   | AE150                                        | AE200                                        | AE300                                        |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| <b>Nominal Wattage &amp; Distribution Type</b>                                                   | Selectable 100/85/75W<br>Type III, IV or V distribution | Selectable 150/125/100W<br>Type III, IV or V | Selectable 200/175/150W<br>Type III, IV or V | Selectable 300/250/200W<br>Type III, IV or V |
| <b>Type III (Default setting)<br/>Lumens Range (lm)</b><br><br>(Lumens depend on<br>CCT setting) | <b>100W*</b><br>15,790 - 16,390 lm                      | <b>150W*</b><br>21,640 - 22,810 lm           | <b>200W*</b><br>28,970 - 30,090 lm           | <b>300W*</b><br>43,220 - 45,670 lm           |
|                                                                                                  | <b>85W</b><br>12,750 - 13,650 lm                        | <b>125W</b><br>18,120 - 20,750 lm            | <b>175W</b><br>25,550 - 28,090 lm            | <b>250W</b><br>37,000 - 40,660 lm            |
|                                                                                                  | <b>75W</b><br>10,950 - 11,770 lm                        | <b>100W</b><br>15,790 - 16,390 lm            | <b>150W</b><br>21,640 - 22,810 lm            | <b>200W</b><br>28,970 - 30,090 lm            |
| <b>TYPE III<br/>BUG rating (3K/4K/5K)</b>                                                        | B3, U0, G3                                              | B3, U0, G3                                   | B4, U0, G4                                   | B4, U0, G4                                   |
| <b>Type IV<br/>Lumens Range (lm)</b><br><br>(Lumens depend on<br>CCT setting)                    | <b>100W*</b><br>15,930 - 16,550 lm                      | <b>150W*</b><br>21,970 - 23,030 lm           | <b>200W*</b><br>28,800 - 29,860 lm           | <b>300W*</b><br>43,680 - 45,030 lm           |
|                                                                                                  | <b>85W</b><br>12,750 - 13,650 lm                        | <b>125W</b><br>18,120 - 20,750 lm            | <b>175W</b><br>25,550 - 28,090 lm            | <b>250W</b><br>37,000 - 40,660 lm            |
|                                                                                                  | <b>75W</b><br>10,950 - 11,770 lm                        | <b>100W</b><br>15,930 - 16,550 lm            | <b>150W</b><br>21,970 - 23,030 lm            | <b>200W</b><br>28,800 - 29,860 lm            |
| <b>TYPE IV<br/>BUG rating (3K/4K/5K)</b>                                                         | B3, U0, G3                                              | B4, U0, G4                                   | B4, U0, G4                                   | B5, U0, G5                                   |
| <b>Type V<br/>Lumens Range (lm)</b><br><br>(Lumens depend on<br>CCT setting)                     | <b>100W*</b><br>15,260 - 15,900 lm                      | <b>150W*</b><br>21,360 - 23,030 lm           | <b>200W*</b><br>28,850 - 30,020 lm           | <b>300W*</b><br>43,700 - 45,000 lm           |
|                                                                                                  | <b>85W</b><br>12,750 - 13,650 lm                        | <b>125W</b><br>18,120 - 20,750 lm            | <b>175W</b><br>25,550 - 28,090 lm            | <b>250W</b><br>37,000 - 40,660 lm            |
|                                                                                                  | <b>75W</b><br>10,950 - 11,770 lm                        | <b>100W</b><br>15,260 - 15,900 lm            | <b>150W</b><br>21,360 - 23,030 lm            | <b>200W</b><br>28,850 - 30,020 lm            |
| <b>TYPE V<br/>BUG rating (3K/4K/5K)</b>                                                          | 3K: B4, U0, G3                                          | 3K: B4, U0, G4                               | 3K: B4, U0, G4                               | 3K: B5, U0, G5                               |
| <b>Efficacy (lm/w)</b>                                                                           | 146 - 168                                               | 145 - 166                                    | 146 - 161                                    | 146 - 163                                    |
| <b>EPA (sq ft) -<br/>w/ Slipfitter**</b><br>0° Horizontal / 90° Vertical                         | 0° = 0.4343988                                          | 0° = 0.4343988                               | 0° = 0.4849236                               | 0° = 0.4849236                               |
|                                                                                                  | 90° = 1.699908                                          | 90° = 1.699908                               | 90° = 2.676216                               | 90° = 2.676216                               |
| <b>EPA (sq ft) -<br/>w/ Adjustable Arm**</b><br>0° Horizontal / 30° Vertical                     | 0° = 0.5203704                                          | 0° = 0.5203704                               | 0° = 0.573006                                | 0° = 0.573006                                |
|                                                                                                  | 30° = 0.8542836                                         | 30° = 0.8542836                              | 30° = 1.431732                               | 30° = 1.431732                               |
| <b>CRI</b>                                                                                       | >80                                                     |                                              |                                              |                                              |
| <b>Color Temperature (K)</b>                                                                     | 3000K/4000K/5000K Selectable (Default CCT: 5000K)       |                                              |                                              |                                              |

\* Default power setting

\*\*See Accessories section description for Shield and Visor EPA values



## AE Switch Area Light

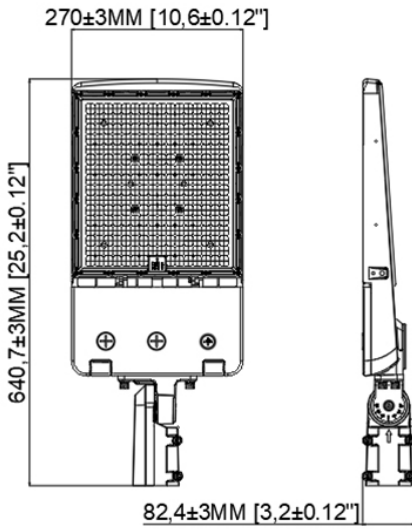
| Specifications              | AE100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | AE150     | AE200     | AE300     |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|
| Voltage                     | 120-277V, 277-480V option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |           |           |
| Dimming                     | 0-10V, compatible with c-Max Controls, 3pin or 7pin twist lock NEMA receptacle option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |           |           |
| Surge Protection            | 6kV integral to driver + 10kA stand alone standard, 20kA option                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |           |           |
| Lumen Maintenance (L70) hrs | 100,000+ Hours                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |           |
| Housing                     | Die Cast Aluminum with corrosion resistant polyester powder coat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |           |           |           |
| Lens                        | Polycarbonate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |           |           |           |
| Mounting                    | <p><b>Standard upper half knuckle with 6' SO cord attached</b></p> <ul style="list-style-type: none"> <li>- Order lower half Flexible Arm (AE-FLH) or Slipfitter (AE-KLH - 2 3/8" OD) separately - see Accessories Chart &amp; Mounting Guide</li> </ul> <p><b>Additional choices for factory install</b></p> <ul style="list-style-type: none"> <li>- Straight Arm (A), Trunnion (T) or both Flexible Arm and Slipfitter in same carton (2)</li> <li>- See Accessories Chart &amp; Mounting Guide for field installable mountings</li> </ul> <p><i>NOTE: Arms fit both square and round poles, see Installation Manual</i></p> |           |           |           |
| Weight w/ Slipfitter        | 10.09 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10.09 lbs | 13.91 lbs | 13.91 lbs |
| Weight w/ Arm               | 10.38 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 10.38 lbs | 14.17 lbs | 14.17 lbs |
| Weight w/ Trunnion          | 12.86 lbs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 12.86 lbs | 17.91 lbs | 17.91 lbs |
| Operating Temperature       | -40°C/40°F - 50°C/122°F<br>(based on outdoor dusk to dawn operation in non-hazardous applications)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |           |           |
| Listings                    | UL, FCC, RoHS, DLC, ANSI 3G, TAA Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |           |           |
| DLC                         | Premium - Outdoor Pole/Arm-Mounted Area and Roadway Luminaires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |           |           |           |
| Environmental               | IP65, Wet Location                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |           |           |
| Warranty                    | 5 Years (see Maxlite warranty page for details)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |           |           |

# AE Switch Area Light

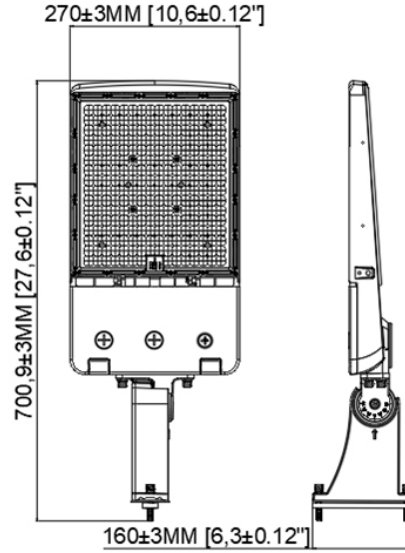
## DIMENSIONS

### 100W & 150W

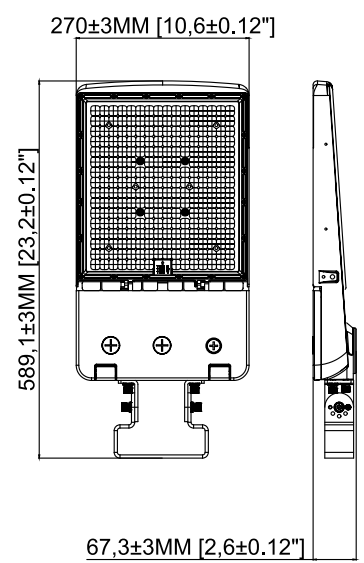
Slipfitter



Arm

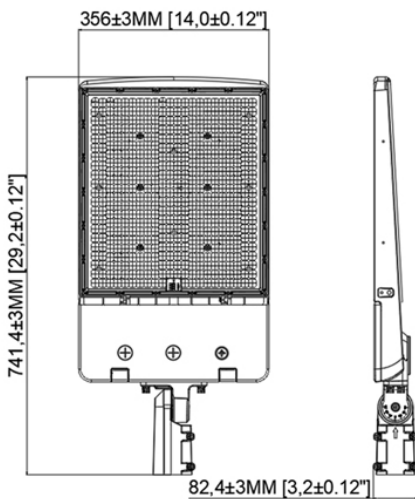


Trunnion

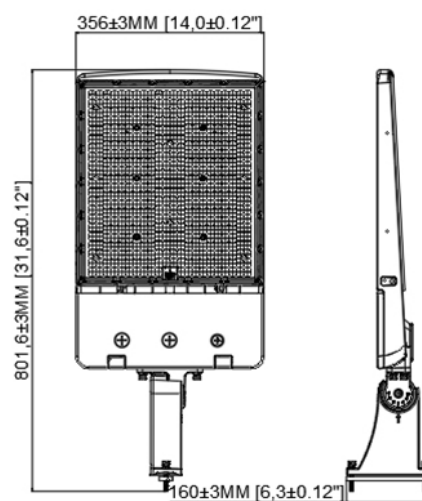


### 200W & 300W

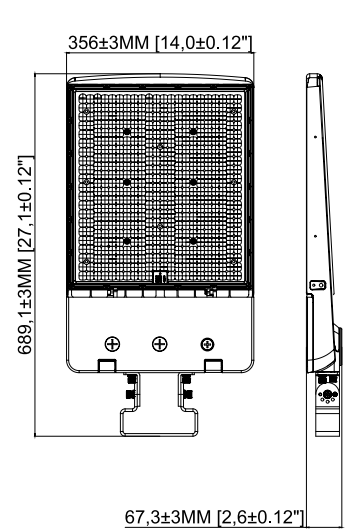
Slipfitter



Arm



Trunnion



## AE Switch Area Light

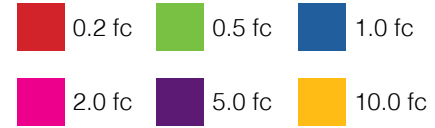
### PHOTOMETRICS

#### ISOFOOTCANDLE:

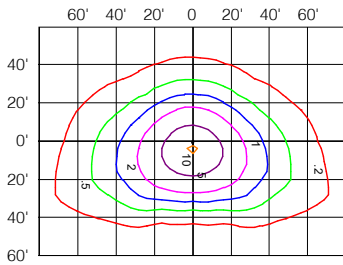
- Each gridline represents one mounting height.
- For mounting heights other than noted multiply FC by the below factor.

$$\text{Factor} = \frac{(\text{Chart's Mtg. Height})^2}{(\text{Actual Mtg. Height})^2}$$

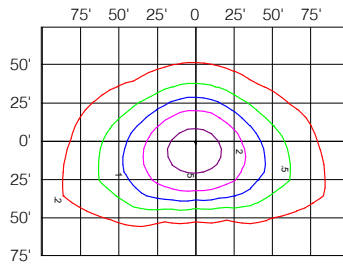
#### LEGEND



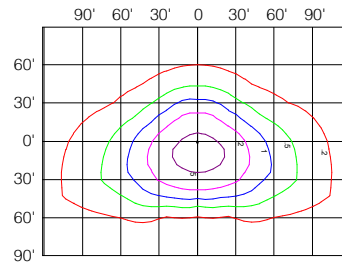
**AE100**  
TYPE III @ 20 FT



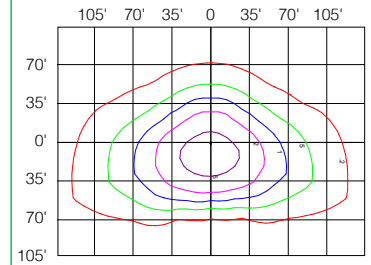
**AE150**  
TYPE III @ 25 FT



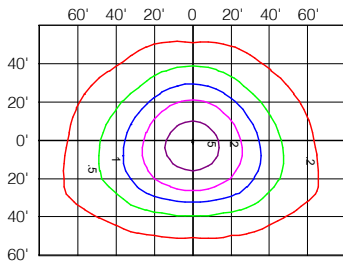
**AE200**  
TYPE III @ 30 FT



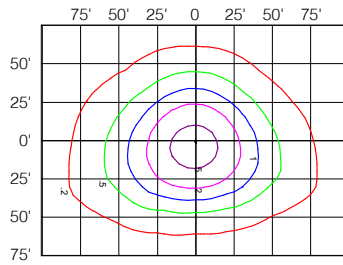
**AE300**  
TYPE III @ 35 FT



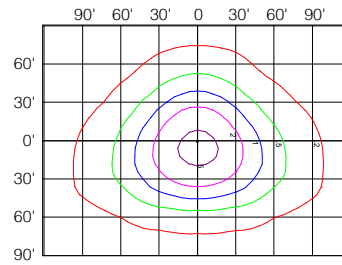
**AE100**  
TYPE IV @ 20 FT



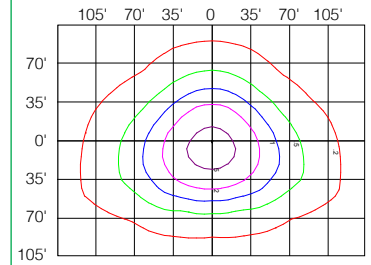
**AE150**  
TYPE IV @ 25 FT



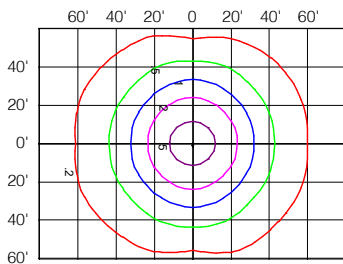
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TYPE IV @ 30 FT



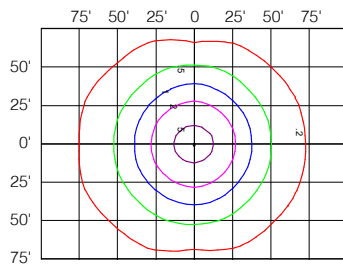
**AE300**  
TYPE IV @ 35 FT



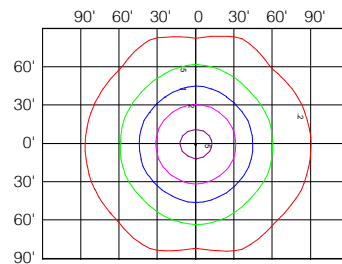
**AE100**  
TYPE V @ 20 FT



**AE150**  
TYPE V @ 25 FT



**AE200**  
TYPE V @ 30 FT



**AE300**  
TYPE V @ 35 FT

