## DESCRIPTION

# Portfolio

6 inch LED recessed narrow, medium, or wide beam downlight designed for glare free even illumination. Featuring a two-stage diffused reflector system producing smooth distribution with excellent light control and low aperture brightness. Lumen packages range from 1000 to 7000 with color temperatures of 2400K, 2700K, 3000K, 3500K, 4000K, and 5000K. VividTune: Dim-to-warm technology – similar to halogen at full power, the 3000K LED warms smoothly as dimmed to 1850K creating a rich warm glow within the space. Tunable white technology - adjust the color temperature from warm white to cool white while independently controlling intensity.

| | | |
|---|---|---|
| Catalog # | | Type |
| Project | | |
| Comments | | Date |
| Prepared by | | |

## SPECIFICATION FEATURES

**Lower Shielding Reflector**
Painted die cast aluminum or spun aluminum lower reflector with a lensed upper optical chamber providing superior lumen output with minimal source brightness. Spun reflectors are offered in all Portfolio Alzak® finishes. Available with non-conductive polymer trim. Reflector is retained with two torsion springs holding the flange tight to the finished ceiling surface.

**Plaster Frame / Collar**
Die cast aluminum 1-1/2" deep collar accommodates ceiling materials up to 2". Universal mounting bracket accepts 1/2" EMT, C channel and bar hangers and adjusts 5" vertically from above and below the ceiling.

**Junction Box**
Listed for (8) #12 AWG (four in, four out) 90°C conductors and feed thru branch wiring. (4) 1/2" and (2) 3/4" trade size pry outs positioned to allow straight conduit runs. Lever connectors for simple push in wiring.

**Thermal**
Aluminum heat sink conducts heat away from the LED module for optimal performance and long life.

**LED**
Chip on board with a multitude of highly efficient white LED's, combined with a high reflectance upper reflector and convex transitional lens produce even distribution with no pixilation. Lumen output shall not decrease by more than 10% over the minimum life of 55,000 hours (L90 > 55,000 hours). Auto resetting, thermally protected, LED's are turned off when safe operating temperatures are exceeded. Color variation within 3-step MacAdam ellipses. Quick disconnect allows for tool-less replacement of LED engine from below ceiling. Available in 80, 90 or 97 CRI.
**D2W™** – dim-to-warm shifts CCT from 3000K to1850K as fixture dims mimicking halogen sources.
**W2N** - Tunable white CCT range 2700K to 6500K or 2000K to 5000K, 90 CRI.

**Driver**
Standard 120-277V 0-10V dimming driver provides flicker free dimming from 100% to 1% (offered up to 4000 lumens). Optional 120V leading edge, <1% 0-10V, Fifth Light, DMX or Lutron® Ecosystem. Driver can be serviced from above or through the aperture.

**Connected Lighting Systems**
Factory installed WaveLinx tile mount sensor kit and Field installed WaveLinx accessory tile mount sensor kit.
The WTA WaveLinx tile mount sensor kit offers daylight dimming, PIR motion sensing control, and optional RLTS - Real Time Location Services available. (Refer to WaveLinx system specifications and application guides for details)
The WTA WaveLinx kit includes control module that mounts on the luminaire electrical junction box via 1/2" knock-out, and tilemount sensor with direct-mount spring clips or for octagon ceiling box with included mounting bracket. (Field mount kit ordered and installed separately).

Enlighted wireless tile mount sensor and relay accessory enables wireless control using a tile mount sensor accessory.

Distributed low voltage power system combines power, lighting, and controls with ease of installation.

**Code Compliance**
Thermally protected and cULus listed for wet locations with covered ceiling. IP66 rated when used with IP66 gasket kit accessory. Optional City of Chicago environmental air (CCEA) marking for plenum applications. EMI/RFI emissions per FCC 47CFR Part 18 Class B consumer limits. Non-IC rated - Insulation must be kept 3" from top and sides of housing. IC rated up to 1500 lumens. 5000 lumen and above are marked spacing and must follow spacing requirements. RoHS Compliant. Photometric testing completed in accordance with IES LM 79. Lumen maintenance projections in accordance with IES LM-80-08 and TM-21-11.

**Warranty**
5-year warranty



# LD6B EU6B 6LBW 6LBM 6LBN

**1000 - 7000 lumens LED**

**Die cast or Spun Aluminum Narrow, Medium, or Wide Beam Reflector**

**New Construction**

VividTune color tuning solutions

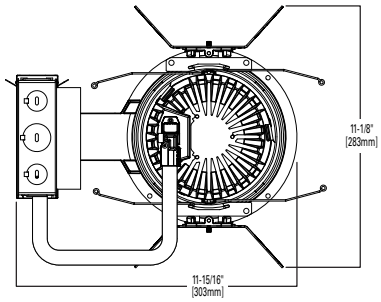
D2W™

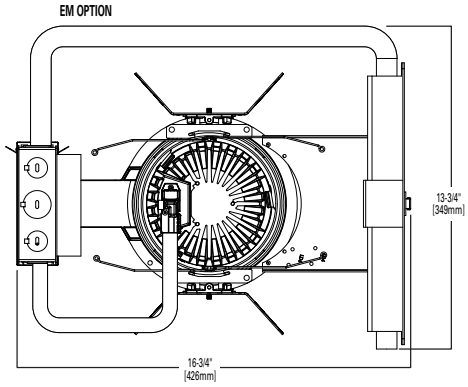
ENERGY STAR

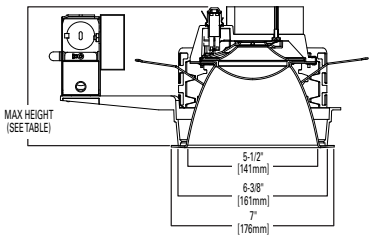
Can be used to comply with T24 California Non-Residential Lighting Controls requirements

RoHS Compliant

Refer to ENERGY STAR® Qualified Products List. Can be used to comply with California Title 24 High Efficacy requirements.




| | 1000-2000 LUMENS | 3000-5000 LUMENS | 6000-7000 LUMENS |
|---|---|---|---|
| NARROW | 5-15/16" [151mm] | 5-15/16" [151mm] | 7-11/16" [195mm] |
| MEDIUM | 5-7/8" [149mm] | 5-7/8" [149mm] | 7-5/8" [194mm |
| WIDE | 5-1/2" [140mm] | 5-1/2" [140mm] | 6-13/16" [173mm] |
| SHALLOW TRIM | 5-1/2" [140mm] | 5-1/2" [140mm] | NA |

**SAMPLE NUMBER:** LD6B15D010EMBOD

| Housing | Lumens[1] | Voltage | Driver | Options[3] |
|---|---|---|---|---|
| **LD6B**=LED Downlight 6" Nominal Aperture<br>**LD6BCP**=LED Downlight 6" Nominal Aperture, Chicago Plenum | **10**=1000 lumens<br>**15**=1500 lumens<br>**20**=2000 lumens<br>**30**=3000 lumens<br>**40**=4000 lumens<br>**50**=5000 lumens[10]<br>**60**=6000 lumens[10]<br>**70**=7000 lumens[10] | **Blank**=120-277V<br>**3**=347V (step down transformer) | **1000 - 4000 Lumen**<br>**D010**=0-10V Dimming, 1% to 100%, 120V-277V<br>**D010TR**=0-10V or Line Voltage Dimming, 5% to 100%, 120V-277V<br>**DE010**=0-10V Linear Dimming, 0% to 100%, 120V-277V<br>**D5LT**=Fifth Light® (DALI) Logarithmic Dimming, 0% to 100%, 120V-277V<br>**DMX**=DMX/RDM Logarithmic Dimming, 0% to 100%, 120V-277V [14]<br>**DL2**=Lutron® Hi-Lume Forward Phase Dimming, 1% to 100%, 120V Only<br>**DLE**=Lutron Ecosystem dimming 1% to 100%, 120V-277V<br>**5000, 6000, and 7000 Lumen**<br>**D010TE**=0-10V 1% or Trailing Edge, 10% to 100%, 120V-277V (120V Only for Trailing Edge Dimming)<br>**1000 - 3000 Lumen**<br>**DLV**=Low voltage dimming driver (1-100%) for use with DLVP system (3000 lumen and below)[3,15]<br>**Tunable white 1000-2000 Lumens[16]**<br>**1DE010W2N2050**=0-10V dimming, 0% to 100%, 120V, 2000K - 5000K<br>**1DE010W2N2765**=0-10V dimming, 0% to 100%, 120V, 2700K - 6500K<br>**1D5LTW2N2050**=Fifth Light (DALI), 0% to 100%, 120, 2000K - 5000K<br>**1D5LTW2N2765**=Fifth Light (DALI), 0% to 100%, 120V, 2700K - 6500K<br>**2DE010W2N2050**=0-10V dimming, 0% to 100%, 277V, 2000K - 5000K<br>**2DE010W2N2765**=0-10V dimming, 0% to 100%, 277V, 2700K - 6500K<br>**2D5LTW2N2050**=Fifth Light (DALI), 0% to 100%, 277V, 2000K - 5000K<br>**2D5LTW2N2765**=Fifth Light (DALI), 0% to 100%, 277V, 2700K - 6500K | **EMBOD**=Bodine® Emergency Module with Remote Test Switch<br>**EMBOD7ST**=Bodine® Emergency Module with Self Test Remote Test Switch<br>**EM7**=7W Emergency Module with Remote Test Switch<br>**EM14**=14W Emergency Module with Remote Test Switch<br>**IEMBOD**=Bodine® Emergency Module with Integral Test Switch<br>**IEM7**=7W Emergency Module with Integral Test Switch<br>**IEM14**=14W Emergency Module with Integral Test Switch<br>**EMV7**=7W Low Voltage Emergency Module with Remote Test Switch[4]<br>**EMV14**=14W Low Voltage Emergency Module with Remote Test Switch[4]<br>**IEMV7**=7W Low Voltage Emergency Module with Integral Test Switch[4]<br>**IEMV14**=14W Low Voltage Emergency Module with Integral Test Switch[4]<br>**WTA**=Factory installed WaveLinx Sensor Kit (WTA = WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only)[15]<br>**LWTPD1**=Factory installed Enlighted wireless sensor kit |

**SAMPLE NUMBER:** EU6B10208035

| Power Module | Lumen Levels[1] | CRI | Color | | |
|---|---|---|---|---|---|
| **EU6B**=6" Universal LED Module | **1020**=1000, 1500, 2000 lumens<br>**3050**=3000, 4000, 5000 lumens<br>**6070**=6000, 7000 lumens<br>**1015IC**=1000, 1500 lumen IC rated | **80**=80 CRI Minimum<br>**90**=90 CRI Minimum<br>**97**=97 CRI Minimum | **80 CRI**<br>**27**=2700K<br>**30**=3000K<br>**35**=3500K<br>**40**=4000K<br>**50**=5000K | **90 CRI**<br>**24**=2400K<br>**27**=2700K<br>**30**=3000K<br>**35**=3500K<br>**40**=4000K<br>**50**=5000K | **97 CRI**<br>**27**=2700K<br>**30**=3000K |

**Dim 2 Warm**
**109030D2W**=1000 lumen, 90 CRI, Dim 2 Warm, IC rated
**159030D2W**=1500 lumen, 90 CRI, Dim 2 Warm, IC rated
**209030D2W**=2000 lumen, 90 CRI, Dim 2 Warm
**309030D2W**=3000 lumen, 90 CRI, Dim 2 Warm

**Tunable white[16]**
**1020W2N902050** =1000, 1500, 2000 lumens, 90 CRI, tunable white 2000K-5000K
**1020W2N902765** =1000, 1500, 2000 lumens, 90 CRI, tunable white 2700K-6500K

**SAMPLE NUMBER:** 6LBM1LIE

| Trim | Distribution[5] | Flange | Finish | | Options |
|---|---|---|---|---|---|
| **6LB**=6" LED | **N**=Narrow (30° Beam), Spun Aluminum<br>**M**=Medium (50° Beam), Spun Aluminum<br>**W**=Wide (75° Beam), Spun Aluminum<br>**S**=Shallow (75° Beam), Spun Aluminum[12]<br>**PS**=Non-Conductive Shallow (75° Beam), Injection Molded white, non-conductive[11, 12]<br>**CS**=Cast Shallow (90° Beam), Die Cast Aluminum<br>**BA**=Baffle (50° Beam), Spun Aluminum[7] | **0**=White Polymer Trim Ring<br>**1**=Self-flanged[13]<br>**2**=White Painted Self-flanged | **LI**=Specular Clear[9]<br>**H**=Semi-Specular Clear[9]<br>**WMH**=Warm Haze[9]<br>**WH**=Wheat[9]<br>**GPH**=Graphite Haze[9] | **B**=Specular Black[9]<br>**MW**=Matte White<br>**MB**=Matte Black[8]<br>**MMS**=Matte Metallic Silver[8] | **E**=Integral Emergency Test Switch Hole[6] |

**Accessories**

**HSA6**=Slope Adapter for 6" Aperture Housings, Specify Slope
**TRM6**=Metal Trim Ring, Specify Color[2]
**TRR6**=Rimless Trim Ring for Flush Mount[2]
**PRR6**=Plaster Lathing Ring[2]
**LGSKT6IP66**=IP66 Gasket Kit
**DT6**=Deco Trim[2]

**Bar Hangers**
**HB26**=C-channel Bar Hanger, 26" Long, Pair
**HB50**=C-channel Bar Hanger, 50" Long, Pair
**RMB22**=Wood Joist Bar Hanger, 22" Long, Pair

**Transformers**
**H347**=347 to 120V Step Down Transformer, 75VA
**H347200**=347 to 120V Step Down Transformer, 200VA

**Connected Lighting Systems**
**PORLWTPD1**=Enlighted wireless sensor kit (0-10V only) field installed[15]
**WTA**=WaveLinx wireless sensor kit for daylight dimming, PIR motion sensing, and optional RLTS - Real Time Location Services, use with D010 only (Refer to WaveLinx system specifications and guides for details) Field installed.[15]

**Notes:**
1. Nominal Lumens will vary depending on selected color, driver and reflector finish.
2. Order trim with polymer trim ring (Consult specification sheet for color ordering information and options).
3. Not available with Chicago Plenum.
4. ULus listed only
5. Beam angles are nominal with LI finish trims.
6. Only available with Narrow and Medium Spun Aluminum trims. Required for use with all IEMBOD, IEM7, IEM14, IEMV7 and IEMV14 housings.
7. Only available with Matte White and Matte Black Finishes.
8. Available only on CS distributions.
9. Not available on PS, CS or BA distributions.
10. Product is marked spacing and must be installed with the following minimum spacing.
    - Center to center of adjacent luminaires: 36"
    - Center of luminaire to side of building member: 18"
    - Minimum overhead: 1/2"
    - Not available with CS or PS trims
11. PS available in self-flanged MW finish only.
12. Offered up to 2000 lumens
13. Flange is the same finish as the reflector
14. DMX fixtures default to full on upon loss of DMX signal.
15. Refer to system specifications for additional information, features, and benefits. Order either factory installed option or accessory. Use with 0-10V driver.
16. Non-IC

## ENERGY

| ENERGY DATA |
|---|
| Sound Rating: Class A standards |
| (Values at non-dimming line voltage) |
| Minimum Starting Temperature: -30°C (-22°F) |
| EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer) |
| Input Voltage: UNV (120V - 277V) |
| Power Factor: >0.90 (at nominal input 120-277 VAC & 100% of Rated Output Power) |
| Input Frequency: 50/60Hz |

| 1000 Lumen D010 | | 1500 Lumen D010 | |
|---|---|---|---|
| Input Power: 11W | THD: <14% | Input Power: 15.5W | THD: <13% |
| 120V Input Current: 0.09A | 277V Input Current: 0.04A | 120V Input Current: 0.13A | 277V Input Current: 0.06A |

| 2000 Lumen D010 | | 3000 Lumen D010 | |
|---|---|---|---|
| Input Power: 21.2W | THD: <9% | Input Power: 27.6W | THD: <10% |
| 120V Input Current: 0.18A | 277V Input Current: 0.08A | 120V Input Current: 0.23A | 277V Input Current: 0.10A |

| 4000 Lumen D010 | | 5000 Lumen D010TE | |
|---|---|---|---|
| Input Power: 41.6W | THD: <13% | Input Power: 57.9W | THD: <14% |
| 120V Input Current: 0.35A | 277V Input Current: 0.15A | 120V Input Current: 0.49A | 277V Input Current: 0.22A |

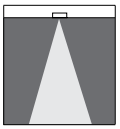
| 6000 Lumen D010TE | | 7000 Lumen D010TE | |
|---|---|---|---|
| Input Power: 59.7W | THD: <14% | Input Power: 75.8W | THD: <13% |
| 120V Input Current: 0.50A | 277V Input Current: 0.22A | 120V Input Current: 0.64A | 277V Input Current: 0.29A |

| | 120V | | 277V | |
|---|---|---|---|---|
| Lumens | Inrush (A) | Duration (ms) | Inrush (A) | Duration (ms) |
| 1000 Lumen D010 | 1.02 | 0.041 | 2.18 | 0.021 |
| 1500 Lumen D010 | 1.02 | 0.042 | 2.24 | 0.064 |
| 2000 Lumen D010 | 1.02 | 0.077 | 2.43 | 0.027 |
| 3000 Lumen D010 | 1.15 | 0.067 | 3.26 | 0.027 |
| 4000 Lumen D010 | 1.2 | 0.088 | 3.9 | 0.03 |
| 5000 Lumen D010TE | 5.1 | 0.132 | 10.2 | 0.153 |
| 6000 Lumen D010TE | 5.4 | 0.123 | 10.8 | 0.154 |
| 7000 Lumen D010TE | 4.9 | 0.13 | 9.8 | 0.156 |

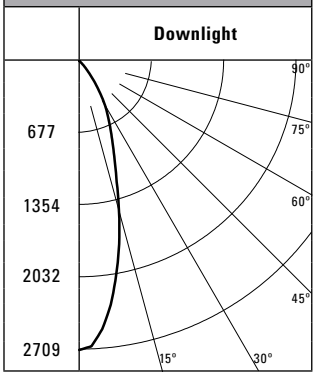
## PHOTOMETRY

### NARROW (30° BEAM)

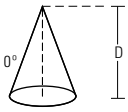
| | |
|---|---|
| Test Number | P201217 |
| Housing | LD6B15D010 |
| Module | EU6B10208035 |
| Trim | 6LBN1LI |
| Lumens | 1195 |
| Efficacy | 83.6 Lm/W |
| SC | 0.53 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 90 | 2.8 | 2.8 |
| 7' | 55 | 3.6 | 3.6 |
| 8' | 42 | 4.2 | 4.2 |
| 9' | 33 | 4.6 | 4.6 |
| 10' | 27 | 5.2 | 5.2 |
| 12' | 19 | 6.2 | 6.2 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 2709 |
| 5 | 2526 |
| 15 | 1468 |
| 25 | 708 |
| 35 | 299 |
| 45 | 44 |
| 55 | 4 |
| 65 | 1 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

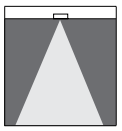
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 960 | 80.4 |
| 0-40 | 1149 | 96.2 |
| 0-60 | 1193 | 99.9 |
| 0-90 | 1195 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1195 | 100 |

### LUMINANCE

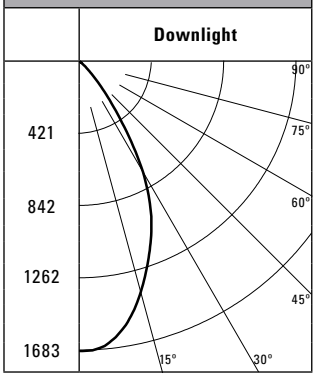
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 677 |
| 55 | 76 |
| 65 | 26 |
| 75 | 0 |
| 85 | 0 |

### MEDIUM (50° BEAM)

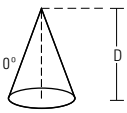
| | |
|---|---|
| Test Number | P201215 |
| Housing | LD6B15D010 |
| Module | EU6B10208035 |
| Trim | 6LBM1LI |
| Lumens | 1345 |
| Efficacy | 94.1 Lm/W |
| SC | 0.85 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 56 | 4.6 | 4.6 |
| 7' | 34 | 5.8 | 5.8 |
| 8' | 26 | 6.6 | 6.6 |
| 9' | 21 | 7.6 | 7.6 |
| 10' | 17 | 8.4 | 8.4 |
| 12' | 12 | 10 | 10 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 1683 |
| 5 | 1661 |
| 15 | 1386 |
| 25 | 993 |
| 35 | 430 |
| 45 | 76 |
| 55 | 7 |
| 65 | 3 |
| 75 | 2 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

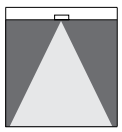
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 990 | 73.6 |
| 0-40 | 1265 | 94 |
| 0-60 | 1341 | 99.7 |
| 0-90 | 1345 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1345 | 100 |

### LUMINANCE

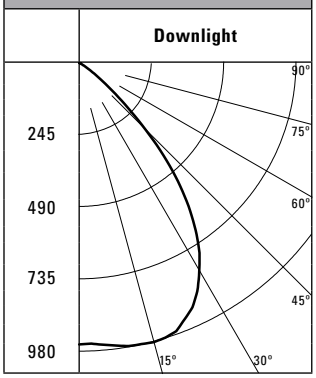
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 1159 |
| 55 | 130 |
| 65 | 87 |
| 75 | 71 |
| 85 | 0 |

### WIDE (75° BEAM)

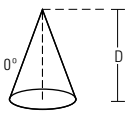
| | |
|---|---|
| Test Number | P201213 |
| Housing | LD6B15D010 |
| Module | EU6B10208035 |
| Trim | 6LBW1LI |
| Lumens | 1519 |
| Efficacy | 106.2 Lm/W |
| SC | 1.23 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 32 | 6.6 | 6.6 |
| 7' | 20 | 8.6 | 8.6 |
| 8' | 15 | 9.8 | 9.8 |
| 9' | 12 | 11 | 11 |
| 10' | 10 | 12.2 | 12.2 |
| 12' | 7 | 14.6 | 14.6 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 963 |
| 5 | 963 |
| 15 | 976 |
| 25 | 913 |
| 35 | 687 |
| 45 | 316 |
| 55 | 56 |
| 65 | 6 |
| 75 | 2 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

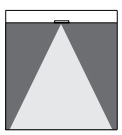
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 785 | 51.7 |
| 0-40 | 1207 | 79.5 |
| 0-60 | 1510 | 99.4 |
| 0-90 | 1519 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1519 | 100 |

### LUMINANCE

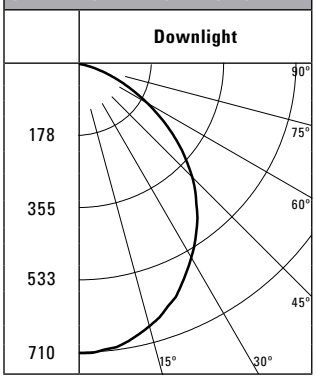
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 4835 |
| 55 | 1055 |
| 65 | 151 |
| 75 | 84 |
| 85 | 0 |

### SHALLOW (75° BEAM)

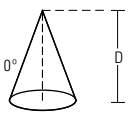
| | |
|---|---|
| Test Number | P201212 |
| Housing | LD6B15D010 |
| Module | EU6B10208035 |
| Trim | 6LBCS1MMS |
| Lumens | 1546 |
| Efficacy | 110.4 Lm/W |
| SC | 1.16 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 24 | 6.2 | 6.2 |
| 7' | 15 | 8 | 8 |
| 8' | 11 | 9.2 | 9.2 |
| 9' | 9 | 10.4 | 10.4 |
| 10' | 7 | 11.6 | 11.6 |
| 12' | 5 | 13.8 | 13.8 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 710 |
| 5 | 704 |
| 15 | 666 |
| 25 | 596 |
| 35 | 502 |
| 45 | 393 |
| 55 | 261 |
| 65 | 130 |
| 75 | 33 |
| 85 | 1 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 529 | 34.2 |
| 0-40 | 843 | 54.5 |
| 0-60 | 1377 | 89 |
| 0-90 | 1546 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 1546 | 100 |

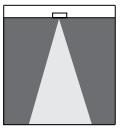
### LUMINANCE

| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 36260 |
| 55 | 29687 |
| 65 | 20068 |
| 75 | 8318 |
| 85 | 749 |

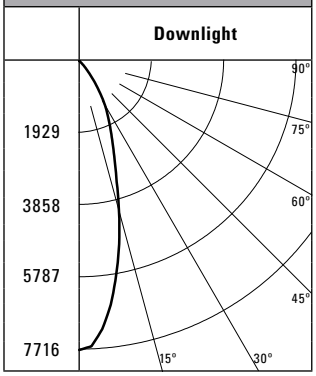
## PHOTOMETRY

### NARROW (30° BEAM)

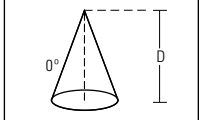
| | |
|---|---|
| Test Number | P201218 |
| Housing | LD6B40D010 |
| Module | EU6B30508035 |
| Trim | 6LBN1LI |
| Lumens | 3404 |
| Efficacy | 81.4 Lm/W |
| SC | 0.53 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 255 | 2.8 | 2.8 |
| 7' | 158 | 3.6 | 3.6 |
| 8' | 121 | 4.2 | 4.2 |
| 9' | 95 | 4.6 | 4.6 |
| 10' | 77 | 5.2 | 5.2 |
| 12' | 54 | 6.2 | 6.2 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 7716 |
| 5 | 7196 |
| 15 | 4183 |
| 25 | 2017 |
| 35 | 853 |
| 45 | 126 |
| 55 | 11 |
| 65 | 3 |
| 75 | 0 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

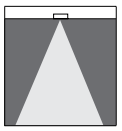
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 2735 | 80.4 |
| 0-40 | 3274 | 96.2 |
| 0-60 | 3399 | 99.9 |
| 0-90 | 3404 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 3404 | 100 |

### LUMINANCE

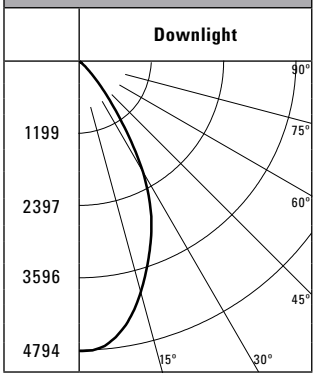
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 1928 |
| 55 | 215 |
| 65 | 74 |
| 75 | 0 |
| 85 | 0 |

### MEDIUM (50° BEAM)

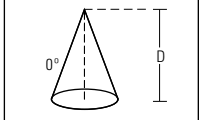
| | |
|---|---|
| Test Number | P201216 |
| Housing | LD6B40D010 |
| Module | EU6B30508035 |
| Trim | 6LBM1LI |
| Lumens | 3831 |
| Efficacy | 91.7 Lm/W |
| SC | 0.85 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 159 | 4.6 | 4.6 |
| 7' | 98 | 5.8 | 5.8 |
| 8' | 75 | 6.6 | 6.6 |
| 9' | 59 | 7.6 | 7.6 |
| 10' | 48 | 8.4 | 8.4 |
| 12' | 33 | 10 | 10 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 4794 |
| 5 | 4731 |
| 15 | 3946 |
| 25 | 2829 |
| 35 | 1226 |
| 45 | 216 |
| 55 | 20 |
| 65 | 10 |
| 75 | 5 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

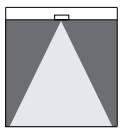
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 2819 | 73.6 |
| 0-40 | 3602 | 94 |
| 0-60 | 3819 | 99.7 |
| 0-90 | 3831 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 3831 | 100 |

### LUMINANCE

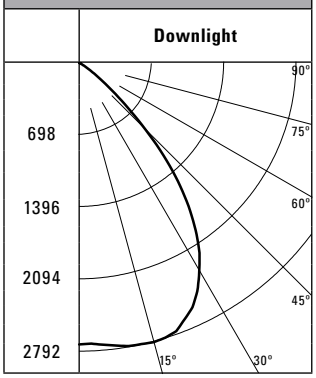
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 3303 |
| 55 | 370 |
| 65 | 251 |
| 75 | 205 |
| 85 | 0 |

### WIDE (75° BEAM)

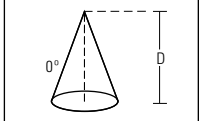
| | |
|---|---|
| Test Number | P201214 |
| Housing | LD6B40D010 |
| Module | EU6B30508035 |
| Trim | 6LBW1LI |
| Lumens | 4326 |
| Efficacy | 103.5 Lm/W |
| SC | 1.23 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 91 | 6.6 | 6.6 |
| 7' | 56 | 8.6 | 8.6 |
| 8' | 43 | 9.8 | 9.8 |
| 9' | 34 | 11 | 11 |
| 10' | 27 | 12.2 | 12.2 |
| 12' | 19 | 14.6 | 14.6 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 2742 |
| 5 | 2742 |
| 15 | 2778 |
| 25 | 2600 |
| 35 | 1957 |
| 45 | 899 |
| 55 | 159 |
| 65 | 17 |
| 75 | 6 |
| 85 | 0 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

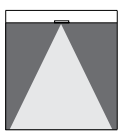
| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 2236 | 51.7 |
| 0-40 | 3439 | 79.5 |
| 0-60 | 4301 | 99.4 |
| 0-90 | 4326 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 4326 | 100 |

### LUMINANCE

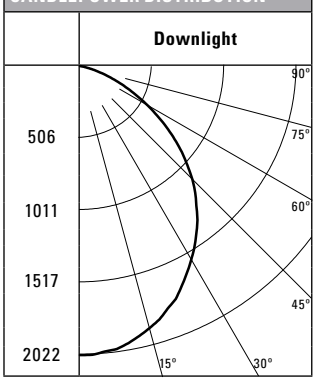
| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 13769 |
| 55 | 3006 |
| 65 | 430 |
| 75 | 234 |
| 85 | 0 |

### SHALLOW (75° BEAM)

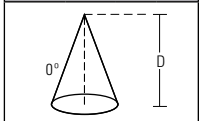
| | |
|---|---|
| Test Number | P35144 |
| Housing | LD6B40D010 |
| Module | EU6B30508035 |
| Trim | 6LBCS1MMS |
| Lumens | 4403 |
| Efficacy | 105.3 Lm/W |
| SC | 1.16 |



### CANDLEPOWER DISTRIBUTION




### CONE OF LIGHT




| D | FC | L | W |
|---|---|---|---|
| 5.5' | 67 | 6.2 | 6.2 |
| 7' | 41 | 8 | 8 |
| 8' | 32 | 9.2 | 9.2 |
| 9' | 25 | 10.4 | 10.4 |
| 10' | 20 | 11.6 | 11.6 |
| 12' | 14 | 13.8 | 13.8 |

### CANDELA TABLE

| Degrees Vertical | Candela |
|---|---|
| 0 | 2022 |
| 5 | 2005 |
| 15 | 1897 |
| 25 | 1697 |
| 35 | 1430 |
| 45 | 1119 |
| 55 | 743 |
| 65 | 370 |
| 75 | 94 |
| 85 | 3 |
| 90 | 0 |

### ZONAL LUMEN SUMMARY

| Zone | Lumens | % Fixture |
|---|---|---|
| 0-30 | 1506 | 34.2 |
| 0-40 | 2399 | 54.5 |
| 0-60 | 3921 | 89 |
| 0-90 | 4403 | 100 |
| 90-180 | 0 | 0 |
| 0-180 | 4403 | 100 |

### LUMINANCE

| Average Candela Degrees | Average 0° Luminance |
|---|---|
| 45 | 17139 |
| 55 | 14033 |
| 65 | 9486 |
| 75 | 3933 |
| 85 | 348 |



**Cooper Lighting Solutions**
1121 Highway 74 South
Peachtree City, GA 30269
P: 770-486-4800
www.cooperlighting.com

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