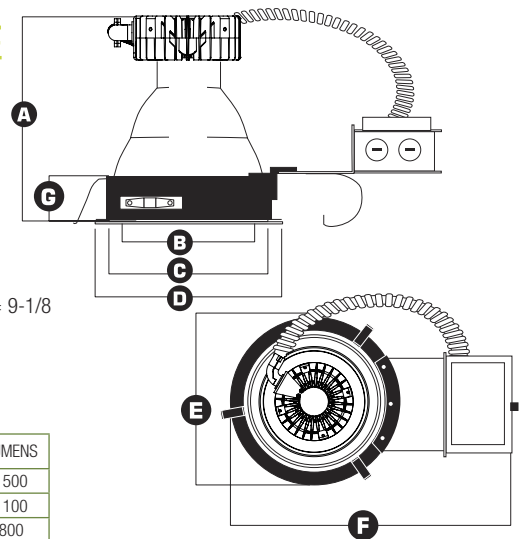


HVR8-LED 8" ARCHITECTURAL LED REMODEL DOWNLIGHT



1500 LUMENS

MAXILUME



- A** Height = 9"
- B** Trim Aperture = 8"
- C** Cut-out = 8-1/2"
- D** Trim Outside Dia. = 9-1/8"
- E** Width = 8-3/4"
- F** Length = 14-1/4"
- G** Flange = 2-1/4"

| INPUT VOLT. | INPUT FREQ. | INPUT CUR. | INPUT POWER | THD | POWER FACTOR | LUMENS |
|-------------|-------------|-------------|-------------|------|--------------|--------|
| 120/277 | 50/60Hz | 283mA/123mA | 34W(+/-5%) | <20% | >0.9 | 1500 |
| 120/277 | 50/60Hz | 180mA/76mA | 21W(+/-5%) | <20% | >0.9 | 1100 |
| 120/277 | 50/60Hz | 133mA/57mA | 16W(+/-5%) | <20% | >0.9 | 800 |

DESCRIPTION - 8" LED dedicated Architectural Remodel Downlight with integral LED heat management casting and driver. Available in 800 lumens (16W), 1100 lumens (21W) & 1500 lumens (34W). Lighting is smooth and comfortable while using 25% less energy than the common 26W & 32W CFL downlight. Plus the eco-friendly Maxilume LED system features 70% lumen maintenance at 50,000 hours life, with Energy Star and California Title-24 (compliances pending). Designed for remodel applications. Designed for fast and easy installation in existing plaster or mechanical ceilings and provide energy efficient LED Lighting to save anywhere from 35% up to 75% on energy cost. Custom size and aperture, LED remodel and reflectors are available, please consult factory for further details.

FEATURES - Greater light output than a 26W & 32W CFL while consuming less than 16W to 34W of power. Maxilume LED luminaires are ideally suited for use in hospitality, health care, commercial, institutions, retail and other architectural applications.



OPTICS - MAXILUME LED Optilux technology combines unmatched performance with visual comfort. Spun 0.05" thick reflector has been designed to gather the light scattered by the LED chip and shape it into functional beams that minimize brightness and glare, while eliminating lamp image. Proprietary dual level upper and lower reflector design allows for optimum glare control. Elite engineered superior quality, light engine; producing 800 lumens (16W) , 1100 lumens (21W) & 1500 lumens (34W).

PERFORMANCE - Operating system delivers 800 lumens (16W), 1100 lumens (21W) & 1500 lumens (34W) with a 4100K color temperature. All MAXILUME LED luminaires are rated at 85+ CRI. All LED luminaires are rated and tested to LM-79 and LM-80 standards by an independent laboratory.

THERMAL MANAGEMENT SYSTEM - Using a proprietary coolLED Advanced Thermodynamic Design, Die-cast aluminum housing and heat management system are engineered for extremely long life and service period. Heat sink is attached to top of housing. The LED light engine is attached to the die-cast heat sink and is easily replaceable and upgradable. Life tests have shown the MAXILUME light engine output will be maintained at 70% of initial at 50,000 hours of operation.

DIMMABLE - The MAXILUME LED system is fully dimmable down to 10% of initial light output with a 0-10 Volt dimmer when ordered with the following options (DIM10-120, DIM10-277). Fixtures can be shipped with a Lutron Hi-lume A series Driver which can be dimmed with Lutron Dimming Systems when ordered with the following options (LUTH-120, LUTH-277). Triac & Electronic Low Voltage dimming driver also available when ordered with the following options (DIMTR-120). Consult Factory for details.

LED DRIVER/JUNCTION BOX - The LED driver is rated for 50 to 60Hz at 120V /277V input, produces less than 20%THD, and has a power factor between 90% and 100% and is thermally protected for additional safety. MAXILUME's LED driver is installed on the junction box cover so it may be serviced from below the ceiling. UL Listed for through-branch circuit wiring, provided with four 1/2" knockouts, one 3/4" knockout and four Romex knockouts with true pryout slots and strain clamps. Designed for straight through conduit runs.

MOUNTING FRAME - Die-formed all construction for maximum heat dissipation and rust protection. For fast and easy installation in existing plaster or mechanical ceiling thickness from 1/2" to 1-3/4". Four remodel clips are easily retractable for fixture removal if necessary.

OUR WORD - The MAXILUME LED lighting system is warranted for 5 years. As a system, we stand behind the entire MAXILUME products from housing to bar hangers.

LISTING

c-UL-us / c-ETL-us - listed for Damp location.
 c-UL-us / c-ETL-us - listed for feed Through Wiring.
 LM79 / LM80

DIMMING INFORMATION

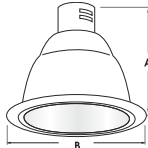
DIMTR (Triac & Electronic Low Voltage Dimming)
 DIM10 (0-10V Dimming)
 LUTH (Lutron® Hi-lume® Dimming)

Example: HVR8-LED-21W-DIM10-120-FL-30K-LED-8101-CL-WH

| TYPE | 800 LUMENS | 1100 LUMENS | 1500 LUMENS | OPTICS | COLOR | EMERGENCY | TRIM TYPE | REFLECTOR/ RING FINISH | DISC | |
|----------|--|--|--|-----------------------------|--|----------------------------------|---|---|---|--|
| HVR8-LED | <input type="checkbox"/> 16W-DIMTR-120 <input type="checkbox"/> 16W-LUTH-120 <input type="checkbox"/> 16W-LUTH-277 <input type="checkbox"/> 16W-DIM10-120 <input type="checkbox"/> 16W-DIM10-277 | <input type="checkbox"/> 21W-LUTH-120 <input type="checkbox"/> 21W-LUTH-277 <input type="checkbox"/> 21W-DIM10-120 <input type="checkbox"/> 21W-DIM10-277 | <input type="checkbox"/> 34W-LUTH-120 <input type="checkbox"/> 34W-LUTH-277 <input type="checkbox"/> 34W-DIM10-120 <input type="checkbox"/> 34W-DIM10-277 | <input type="checkbox"/> FL | <input type="checkbox"/> 30K <input type="checkbox"/> 35K <input type="checkbox"/> 41K | <input type="checkbox"/> EMG-LED | <input type="checkbox"/> LED-8101 <input type="checkbox"/> LED-8102 <input type="checkbox"/> LED-8107 <input type="checkbox"/> LED-8109 <input type="checkbox"/> LED-8110 <input type="checkbox"/> LED-8128 <input type="checkbox"/> LED-8123 | <input type="checkbox"/> LED-8112 <input type="checkbox"/> LED-8113 <input type="checkbox"/> LED-8114 <input type="checkbox"/> LED-8115 <input type="checkbox"/> LED-8121 <input type="checkbox"/> LED-8122 <input type="checkbox"/> LED-8125 | <input type="checkbox"/> CL-WH <input type="checkbox"/> CL-SCH <input type="checkbox"/> SHZ-SHZ <input type="checkbox"/> SHZ-WH <input type="checkbox"/> W-WH <input type="checkbox"/> MB-WH <input type="checkbox"/> WT-WH | <input type="checkbox"/> BLUE <input type="checkbox"/> RED <input type="checkbox"/> GREEN <input type="checkbox"/> FROST <input type="checkbox"/> AL <input type="checkbox"/> BZ <input type="checkbox"/> WH |



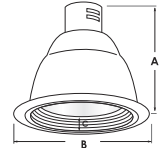
EXAMPLE: LED-8101-CL-WH
LED-8101 - REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"



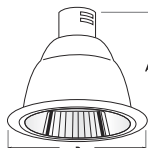
EXAMPLE: LED-8102-CL-WH
LED-8102 - BAFFLE W/ REFLECTOR
REFLECTOR/ RING FINISH:
 W-CL-WH P-CL-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



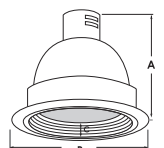
EXAMPLE: LED-8107-CL-WH
LED-8107 - WALL WASH REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"



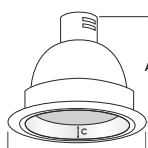
EXAMPLE: LED-8112-CL-WH
LED-8112 - BAFFLE W/ FROSTED GLASS LENS
BAFFLE/ RING FINISH:
 W-CL-WH P-CL-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



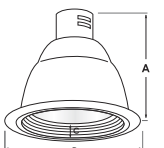
EXAMPLE: LED-8114-CL-WH
LED-8114 - REFLECTOR W/ FROSTED GLASS LENS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1"



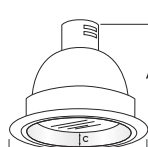
EXAMPLE: LED-8113-CL-WH
LED-8113 - BAFFLE W/ TEMPERED CLEAR GLASS
BAFFLE/ RING FINISH:
 W-WH P-WH



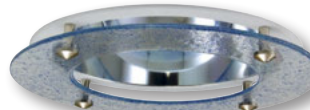
A= 7-1/2"
 B= 9-1/8"
 C= 1"



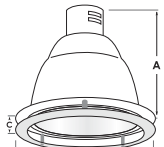
EXAMPLE: LED-8115-CL-WH
LED-8115 - REFLECTOR W/ TEMPERED CLEAR GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-13/16"
 B= 9-1/8"
 C= 1"



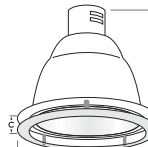
EXAMPLE: LED-8121-CL-WH
LED-8121 - STARDUST DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-13/16"
 B= 9-1/8"
 C= 1-1/4"



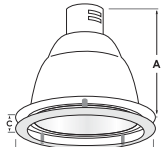
EXAMPLE: LED-8122-CL-WH
LED-8122 - EURO DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



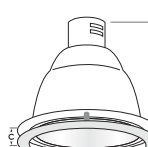
EXAMPLE: LED-8123-CL-WH
LED-8123 - PRISM DECO RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



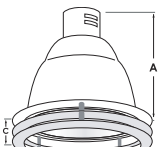
EXAMPLE: LED-8109-CL-WH
LED-8109 - DECO GLASS REFLECTOR
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



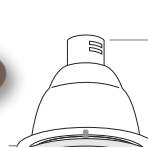
EXAMPLE: LED-8110-CL-WH
LED-8110 - DOUBLE RING GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
GLASS FINISH:
 BLUE, RED, GREEN, FROST



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/2"



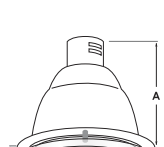
ALUMINIUM DISC
EXAMPLE: LED-8128-CL-WH-AL
LED-8128 - DECO GLASS REFLECTOR WITH ALUMINIUM DISC
REFLECTOR FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH
DISC FINISH:
 AL, WH, BZ



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"



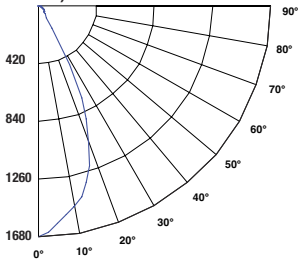
EXAMPLE: LED-8125-CL-WH
LED-8125 - CENTRAL ETCHED FLOAT GLASS
REFLECTOR/ RING FINISH:
 CL-WH CL-SCH WT-WH SHZ-WH W-WH SHZ-SHZ MB-WH



A= 7-1/2"
 B= 9-1/8"
 C= 1-1/4"

HV8-LED-16W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-16W-MVOLT-DIM-FL-31K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0135**
INPUT WATTS: 16 LUMENS: 875 CRI: 85+ EFFICACY: 54 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



| Cone of Light | | |
|-------------------|------------------------------|---------------|
| Distance to Plane | Initial Footcandles at Nadir | Beam Diameter |
| 4' | 105.03 | 3.5' |
| 6' | 46.68 | 5.2' |
| 8' | 26.26 | 6.9' |
| 10' | 16.80 | 8.6' |
| 12' | 11.67 | 10.4' |

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Candela Distribution

| 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|---|------|------|------|-----|----|----|----|----|----|----|
| 0 | 1680 | 1588 | 1335 | 739 | 77 | 50 | 30 | 15 | 6 | 0 |

Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|-------|--------|-------|-------|
| 0-30° | 818 | 85 | 85 |
| 0-40° | 875.2 | 90 | 90 |
| 0-60° | 940.8 | 97 | 97 |
| 0-90° | 962.3 | 100 | 100 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 148.2 |
| 10-20 | 365.3 |
| 20-30 | 304.5 |
| 30-40 | 57.1 |
| 40-50 | 39.0 |
| 50-60 | 26.6 |
| 60-70 | 14.5 |
| 70-80 | 6.1 |
| 80-90 | 0.9 |

Luminance (Average Candela/M2)

| Angle In Degrees | Average 0° | Average 55° | Average 90° |
|------------------|------------|-------------|-------------|
| 45° | 3911 | 3911 | 3911 |
| 55° | 2826 | 2826 | 2826 |
| 65° | 1886 | 1886 | 1886 |
| 75° | 1194 | 1194 | 1194 |
| 85° | 311 | 311 | 311 |

Coefficients of Utilization - Zonal Cavity Method

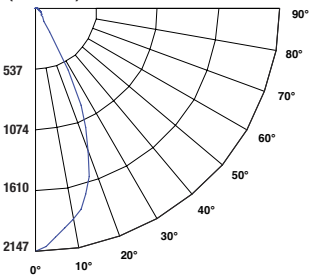
Effective Floor Cavity Reflectance 0.20

| RC | RW | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% | | | |
|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | | | |
| 0 | 1 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 100 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | 100 | | |
| 1 | 2 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 94 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 | 94 | | |
| 2 | 3 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 89 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 | 88 | 88 | 88 | 88 | | |
| 3 | 4 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 84 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 84 | 83 | 83 | 83 | 83 | 83 | | |
| 4 | 5 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 79 | 89 | 85 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 | 78 | | |
| 5 | 6 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 75 | 84 | 80 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 | 74 | 74 | 74 | 74 | | |
| 6 | 7 | 91 | 82 | 77 | 73 | 89 | 82 | 77 | 71 | 80 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 71 | 70 | 70 | 70 | 70 | 70 | | |
| 7 | 8 | 87 | 78 | 73 | 69 | 86 | 78 | 73 | 68 | 77 | 72 | 69 | 75 | 71 | 68 | 74 | 71 | 68 | 67 | 67 | 67 | 67 | 67 | | |
| 8 | 9 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 64 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 63 | 63 | 63 | 63 | 63 | | |
| 9 | 10 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 62 | 60 | 60 | 60 | 60 | 60 | | |
| 10 | 10 | 77 | 68 | 63 | 60 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 | 58 | | |

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV8-LED-21W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-21W-MVOLT-DIM-FL-41K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0136**
INPUT WATTS: 21 LUMENS: 1100 CRI: 85+ EFFICACY: 52 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



| Cone of Light | | |
|-------------------|------------------------------|---------------|
| Distance to Plane | Initial Footcandles at Nadir | Beam Diameter |
| 4' | 134.20 | 3.5' |
| 6' | 59.64 | 5.2' |
| 8' | 33.55 | 6.9' |
| 10' | 21.47 | 8.6' |
| 12' | 14.91 | 10.4' |

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Candela Distribution

| 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|---|------|------|------|-----|----|----|----|----|----|----|
| 0 | 2147 | 2029 | 1705 | 944 | 98 | 65 | 38 | 19 | 7 | 1 |

Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|-------|--------|-------|-------|
| 0-30° | 1045.3 | 85 | 85 |
| 0-40° | 1118.3 | 90 | 90 |
| 0-60° | 1202.2 | 97 | 97 |
| 0-90° | 1229.7 | 100 | 100 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 189.4 |
| 10-20 | 466.8 |
| 20-30 | 389.1 |
| 30-40 | 73.0 |
| 40-50 | 49.9 |
| 50-60 | 34.0 |
| 60-70 | 18.5 |
| 70-80 | 7.8 |
| 80-90 | 1.1 |

Luminance (Average Candela/M2)

| Angle In Degrees | Average 0° | Average 55° | Average 90° |
|------------------|------------|-------------|-------------|
| 45° | 4997 | 4997 | 4997 |
| 55° | 3612 | 3612 | 3612 |
| 65° | 2410 | 2410 | 2410 |
| 75° | 1526 | 1526 | 1526 |
| 85° | 397 | 397 | 397 |

Coefficients of Utilization - Zonal Cavity Method

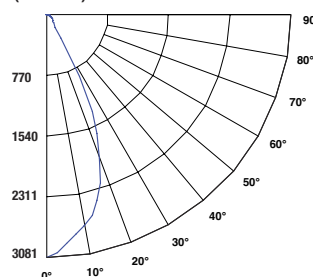
Effective Floor Cavity Reflectance 0.20

| RC | RW | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% | | | |
|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | | | |
| 1 | 1 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 100 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | 100 | | |
| 2 | 2 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 89 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 | 88 | 88 | 88 | 88 | | |
| 3 | 3 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 84 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 84 | 83 | 83 | 83 | 83 | 83 | | |
| 4 | 4 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 79 | 89 | 85 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 | 78 | | |
| 5 | 5 | 95 | 87 | 82 | 78 | 93 | 86 | 81 | 75 | 84 | 80 | 77 | 83 | 79 | 76 | 81 | 78 | 75 | 74 | 74 | 74 | 74 | 74 | | |
| 6 | 6 | 91 | 82 | 77 | 73 | 89 | 82 | 77 | 71 | 80 | 76 | 72 | 79 | 75 | 72 | 78 | 74 | 71 | 70 | 70 | 70 | 70 | 70 | | |
| 7 | 7 | 87 | 78 | 73 | 69 | 86 | 78 | 73 | 68 | 77 | 72 | 69 | 75 | 71 | 68 | 74 | 71 | 68 | 67 | 67 | 67 | 67 | 67 | | |
| 8 | 8 | 83 | 75 | 69 | 66 | 82 | 74 | 69 | 64 | 73 | 68 | 65 | 72 | 68 | 65 | 71 | 67 | 65 | 63 | 63 | 63 | 63 | 63 | | |
| 9 | 9 | 80 | 71 | 66 | 62 | 79 | 71 | 66 | 62 | 70 | 65 | 62 | 69 | 65 | 62 | 68 | 64 | 62 | 60 | 60 | 60 | 60 | 60 | | |
| 10 | 10 | 77 | 68 | 63 | 59 | 76 | 68 | 63 | 59 | 67 | 62 | 59 | 66 | 62 | 59 | 66 | 62 | 59 | 58 | 58 | 58 | 58 | 58 | | |

RC - Ceiling Cavity Reflectance RW - Wall Reflectance

HV8-LED-34W-MVOLT-DIM-FL-41K-LED-8101-SHZ / HVJ(R)8-LED-34W-MVOLT-DIM-FL-41K-LED-8101-SHZ TEST NO.: **ELT-HV8-LED-0137**
INPUT WATTS: 34 LUMENS: 1500 CRI: 85+ EFFICACY: 44 LPW CCT: 4100K SPACING CRITERIA: 0.76

Candle Power Distribution Curve (Candela)



| Cone of Light | | |
|-------------------|------------------------------|---------------|
| Distance to Plane | Initial Footcandles at Nadir | Beam Diameter |
| 4' | 192.55 | 3.5' |
| 6' | 85.58 | 5.2' |
| 8' | 48.14 | 6.9' |
| 10' | 30.81 | 8.6' |
| 12' | 21.39 | 10.4' |

BEAM DIA. MEASURED AT 50% OF NADIR F.C.

Candela Distribution

| 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 | 90 |
|---|------|------|------|------|-----|----|----|----|----|----|
| 0 | 3081 | 2911 | 2447 | 1354 | 141 | 93 | 54 | 27 | 10 | 1 |

Zonal Lumens Summary

| Zone | Lumens | %Lamp | %Fixt |
|-------|--------|-------|-------|
| 0-30° | 1499.8 | 85 | 85 |
| 0-40° | 1604.5 | 90 | 90 |
| 0-60° | 1724.9 | 97 | 97 |
| 0-90° | 1764.3 | 100 | 100 |

Lumens Per Zone

| Zone | Lumens |
|-------|--------|
| 0-10 | 271.7 |
| 10-20 | 669.8 |
| 20-30 | 558.3 |
| 30-40 | 104.7 |
| 40-50 | 71.6 |
| 50-60 | 48.8 |
| 60-70 | 26.6 |
| 70-80 | 11.2 |
| 80-90 | 1.6 |

Luminance (Average Candela/M2)

| Angle In Degrees | Average 0° | Average 55° | Average 90° |
|------------------|------------|-------------|-------------|
| 45° | 7170 | 7170 | 7170 |
| 55° | 5182 | 5182 | 5182 |
| 65° | 3458 | 3458 | 3458 |
| 75° | 2189 | 2189 | 2189 |
| 85° | 571 | 571 | 571 |

Coefficients of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance 0.20

| RC | RW | 80% | | | | 70% | | | | 50% | | | | 30% | | | | 10% | | | | 0% | | | |
|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| | | 70% | 50% | 30% | 10% | 70% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 50% | 30% | 10% | 0% | | | |
| 0 | 1 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 100 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 | 100 | 100 | 100 | | |
| 1 | 2 | 114 | 111 | 109 | 107 | 111 | 109 | 107 | 94 | 105 | 103 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 | 94 | 94 | 94 | 94 | | |
| 2 | 3 | 109 | 104 | 100 | 97 | 106 | 102 | 99 | 89 | 99 | 96 | 94 | 96 | 94 | 92 | 93 | 91 | 90 | 88 | 88 | 88 | 88 | 88 | | |
| 3 | 4 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 84 | 94 | 90 | 87 | 91 | 88 | 86 | 89 | 87 | 84 | 83 | 83 | 83 | 83 | 83 | | |
| 4 | 5 | 99 | 92 | 87 | 83 | 97 | 91 | 86 | 79 | 89 | 85 | 81 | 87 | 83 | 81 | 85 | 82 | 80 | 78 | 78 | 78 | 78 | 78 | | |
| 5 | 6 | 95 | 87 | 82 | 78 | 93 | 86 | 8 | | | | | | | | | | | | | | | | | |