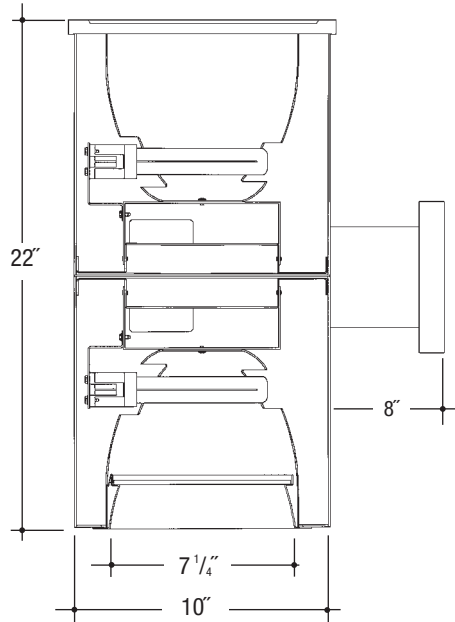


Architectural Cylinders

Job Name _____

Type _____



**10"x22" H.F.
LENSED
UP/DOWN**

VW1022HFU2/D2 - Wall Mount

Cylinder – Wall Mount Horizontal Fluorescent 2-Lamp Up 2-Lamp Down (Compact Fluorescent Quad or Triple Tube) “Alzak” Reflector Lensed

Catalog Number

VW1022HFU2/D2 _____ / _____

| Up Wattage | Down Wattage | Ballast | Voltage | Finish | Splay | Lens | Options |
|-----------------|-----------------|---------|---------|--------|-------|------|---------|
| 42W MAX. PLT••• | 42W MAX. PLT••• | E | 1 | WHT | SCL | 11 | REM |
| 32W PLT••• | 32W PLT••• | DA | 2 | BLK | SGO | 14 | WL |
| 26W DTT, PLT••• | 26W DTT, PLT••• | | 3 | BZ | WHT | 16 | |
| 18W DTT, PLT••• | 18W DTT, PLT••• | | 4 | CS | | | |
| 13W DTT | 13W DTT | | | | | | |

••• 1-Lamp – Max. for Triple Tube

1-Lamp – Replace VW1022HFU2/D2 with VW1022HFU1/D1

Electronic Multi-Tap Ballast 120 Thru 277V Factory Standard

Specifications

Housing – .064" thick spun aluminum cylinder. Polyester powdercoat exterior finish with factory standard finishes White (WHT), Black (BLK), Bronze (BZ), Camero Silver (CS).

Socket – Thermo-plastic and positive locking. *UL Listed.*

Ballast – Electronic ballasts, Class P, 50/60 HZ-120/277, Programmed Start, thermally protected, 98% Power Factor, 1.00 Ballast Factor, <10% THD, Class A sound rated. Minimum starting temperature -18°C/0°F. *UL Listed* component.

Reflector – Heavy gauge hand spun aluminum reflector with a specular clear “Alzak” finish and white splay/lens holder. (Factory Standard) Clear tempered lens up.

Pendant – Pendant Mount Consult Factory.

Wall Bracket – Cast Aluminum Construction.

Voltage

- 1 120 Volt
- 2 277 Volt
- 3 347 Volt
- 4 208 Volt

Ballast

- E Electronic (4 Pin Lamp)
- DA Advance Mark X Dimming (4 Pin Lamp)
- * 13 Watt Advance Mark VII Only (4 Pin Lamp)

Splay/Lens Options ▲

- 11 Tempered Clear Lens
- 14 Tempered C73 Prismatic Lens
- 16 Tempered Fresnel Lens
- SCL Specular Clear “Alzak”
- SGO Specular Gold “Alzak”
- WHT White Finish

Options ▲

- REM Remote Emergency Battery
- WL Sealed and Gasketed Lenses

Features

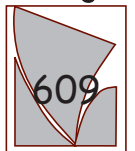
Manufactured and Listed to UL 1598, ETL and CSA standards. *Suitable for Damp Locations Wet location under covered ceiling Suitable for Wet Locations*



▲ See Options and Finishes pages for a list of additional finishes and equipment.

Vantage reserves the right to change components, finishes or design details in any manner which does not alter the installed appearance or reduce performance and intended function.

Vantage



Luminaires

76 Community Avenue Plainfield, CT 06374
voice (860)564.4512 fax (860)564.4854
www.vantageitg.com

06/07

Photometric Information

Product Number: VC1022HFU213/D213E/SCL/14
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 05109 (Direct only)
Lamp(s) Source: (2) 13W PLC 4 pin lamp rated at 900 lumens
Total Luminaire Efficiency: 44.6%
CIE Type: Direct
Luminaire Spacing Criterion: 1.0/1.1
Luminous Diameter: 7.375

Zonal Lumen Summary

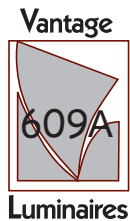
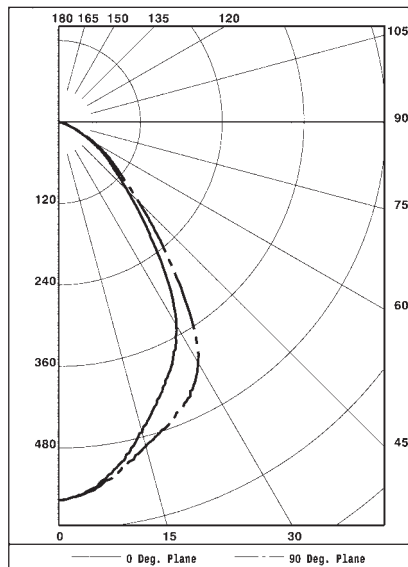
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 383 | 21.3 | 47.7 |
| 0- 40 | 569 | 31.6 | 70.8 |
| 0- 60 | 762 | 42.3 | 94.9 |
| 0- 90 | 803 | 44.6 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 803 | 44.6 | 100.0 |

Cone of Light

| Ft. Below | Fc Nadir | Dia @50% |
|-----------|----------|----------|
| 6.0 | 15.5 | 6.3 |
| 8.0 | 8.7 | 8.4 |
| 10.0 | 5.6 | 10.5 |
| 12.0 | 3.9 | 12.6 |
| 14.0 | 2.8 | 14.7 |
| 16.0 | 2.2 | 16.8 |

Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 |
| 0 | 53 | 53 | 53 | 53 | 52 | 52 | 52 | 52 | 50 | 50 | 50 | 47 | 47 | 47 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 1 | 50 | 49 | 47 | 46 | 49 | 48 | 47 | 46 | 46 | 45 | 44 | 44 | 44 | 43 | 43 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 41 |
| 2 | 47 | 45 | 42 | 41 | 46 | 44 | 42 | 40 | 42 | 41 | 39 | 41 | 40 | 39 | 40 | 39 | 38 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 3 | 44 | 41 | 38 | 36 | 43 | 40 | 38 | 36 | 39 | 37 | 35 | 38 | 36 | 35 | 37 | 35 | 34 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 4 | 41 | 37 | 34 | 32 | 40 | 37 | 34 | 32 | 36 | 33 | 32 | 35 | 33 | 31 | 34 | 32 | 31 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 5 | 39 | 34 | 31 | 29 | 38 | 34 | 31 | 29 | 33 | 30 | 28 | 32 | 30 | 28 | 31 | 29 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 6 | 36 | 31 | 28 | 26 | 35 | 31 | 28 | 26 | 30 | 28 | 26 | 30 | 27 | 25 | 29 | 27 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 7 | 34 | 29 | 26 | 23 | 33 | 29 | 25 | 23 | 28 | 25 | 23 | 27 | 25 | 23 | 27 | 25 | 23 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 8 | 31 | 26 | 23 | 21 | 31 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 25 | 22 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 9 | 29 | 24 | 21 | 19 | 29 | 24 | 21 | 19 | 23 | 21 | 19 | 23 | 20 | 19 | 22 | 20 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 10 | 27 | 22 | 19 | 17 | 27 | 22 | 19 | 17 | 21 | 19 | 17 | 21 | 19 | 17 | 21 | 18 | 17 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |



Product Number: VC1022HFU213/D213E/SCL/16
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06076 (Direct only)
Lamp(s) Source: (2) 13W PLC 4 pin lamp rated at 900 lumens
Total Luminaire Efficiency: 46.8%
CIE Type: Direct
Luminaire Spacing Criterion: 0.9/1.0/0.7
Luminous Diameter: 7.375

Zonal Lumen Summary

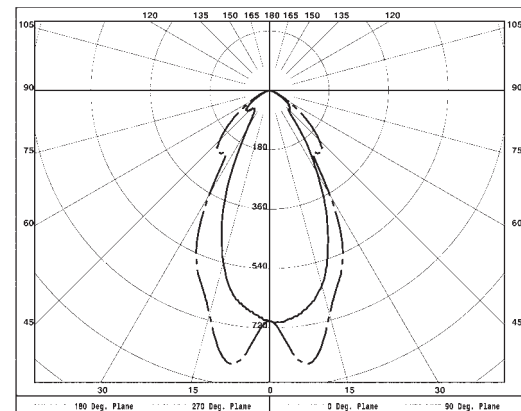
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 466 | 25.9 | 55.3 |
| 0- 40 | 603 | 33.5 | 71.5 |
| 0- 60 | 806 | 44.8 | 95.5 |
| 0- 90 | 843 | 46.8 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 843 | 46.8 | 100.0 |

Cone of Light

| Ft. Below | Fc Nadir | Dia @50% |
|-----------|----------|----------|
| 6.0 | 19.4 | 5.4 |
| 8.0 | 10.9 | 7.2 |
| 10.0 | 7.0 | 9.0 |
| 12.0 | 4.9 | 10.8 |
| 14.0 | 3.6 | 12.6 |
| 16.0 | 2.7 | 14.4 |

Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 | 70 | 50 | 30 | 10 | 0 |
| 0 | 56 | 56 | 56 | 56 | 54 | 54 | 54 | 54 | 52 | 52 | 52 | 50 | 50 | 50 | 48 | 48 | 48 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 1 | 53 | 51 | 50 | 49 | 52 | 50 | 49 | 48 | 48 | 48 | 47 | 47 | 46 | 45 | 45 | 45 | 44 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 2 | 50 | 47 | 45 | 43 | 49 | 46 | 44 | 43 | 45 | 43 | 42 | 43 | 42 | 41 | 42 | 41 | 40 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 3 | 47 | 44 | 41 | 39 | 46 | 43 | 40 | 39 | 42 | 40 | 38 | 40 | 39 | 37 | 39 | 38 | 37 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 4 | 44 | 40 | 37 | 35 | 43 | 39 | 37 | 35 | 38 | 36 | 34 | 37 | 35 | 34 | 37 | 35 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 5 | 41 | 37 | 34 | 31 | 40 | 36 | 33 | 31 | 35 | 33 | 31 | 35 | 32 | 31 | 34 | 32 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 6 | 39 | 34 | 31 | 29 | 38 | 34 | 31 | 28 | 33 | 30 | 28 | 32 | 30 | 28 | 32 | 30 | 28 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 7 | 36 | 32 | 28 | 26 | 36 | 31 | 28 | 26 | 31 | 28 | 26 | 31 | 28 | 26 | 29 | 27 | 26 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 8 | 34 | 29 | 26 | 24 | 34 | 29 | 26 | 24 | 28 | 25 | 24 | 28 | 25 | 23 | 27 | 25 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 9 | 32 | 27 | 24 | 21 | 31 | 27 | 23 | 21 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 10 | 30 | 25 | 22 | 20 | 30 | 25 | 22 | 20 | 24 | 21 | 20 | 24 | 21 | 19 | 23 | 21 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |



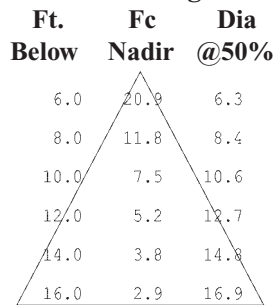
Photometric Information

Product Number: VC1022HFU218/D218E/SCL/14
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 05112 (Direct only)
Lamp(s) Source: (2) 18W DTT 4 pin lamp rated at 1250 lumens
Total Luminaire Efficiency: 43.6%
CIE Type: Direct
Luminaire Spacing Criterion: 1.0/1.1
Luminous Diameter: 7.375

Zonal Lumen Summary

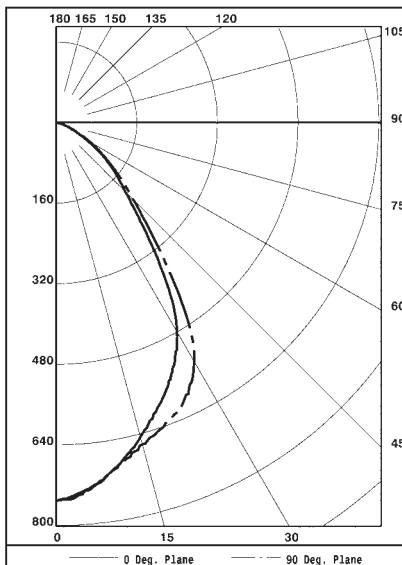
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 517 | 20.7 | 47.5 |
| 0- 40 | 770 | 30.8 | 70.7 |
| 0- 60 | 1034 | 41.4 | 94.9 |
| 0- 90 | 1089 | 43.6 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 1089 | 43.6 | 100.0 |

Cone of Light



Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 |
| 0 | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 48 | 48 | 48 | 46 | 46 | 46 | 45 | 45 | 45 | 44 | | | | | | | | | | | |
| 1 | 49 | 48 | 46 | 45 | 48 | 47 | 46 | 45 | 45 | 44 | 43 | 43 | 43 | 42 | 42 | 41 | 41 | 40 | | | | | | | | | | | |
| 2 | 46 | 44 | 42 | 40 | 45 | 43 | 41 | 39 | 41 | 40 | 39 | 40 | 39 | 38 | 39 | 38 | 37 | 36 | | | | | | | | | | | |
| 3 | 43 | 40 | 37 | 35 | 42 | 39 | 37 | 35 | 38 | 36 | 35 | 37 | 35 | 34 | 36 | 35 | 33 | 33 | | | | | | | | | | | |
| 4 | 40 | 37 | 34 | 32 | 40 | 36 | 33 | 31 | 35 | 33 | 31 | 34 | 32 | 31 | 33 | 32 | 30 | 29 | | | | | | | | | | | |
| 5 | 38 | 33 | 30 | 28 | 37 | 33 | 30 | 28 | 32 | 30 | 28 | 31 | 29 | 27 | 31 | 29 | 27 | 26 | | | | | | | | | | | |
| 6 | 35 | 31 | 28 | 25 | 35 | 30 | 27 | 25 | 30 | 27 | 25 | 29 | 27 | 25 | 28 | 26 | 25 | 24 | | | | | | | | | | | |
| 7 | 33 | 28 | 25 | 23 | 32 | 28 | 25 | 23 | 27 | 25 | 23 | 27 | 24 | 23 | 26 | 24 | 22 | 22 | | | | | | | | | | | |
| 8 | 31 | 26 | 23 | 20 | 30 | 26 | 23 | 20 | 25 | 22 | 20 | 24 | 22 | 20 | 24 | 22 | 20 | 19 | | | | | | | | | | | |
| 9 | 29 | 24 | 20 | 18 | 28 | 23 | 20 | 18 | 23 | 20 | 18 | 22 | 20 | 18 | 22 | 20 | 18 | 17 | | | | | | | | | | | |
| 10 | 27 | 22 | 19 | 17 | 26 | 21 | 18 | 16 | 21 | 18 | 16 | 21 | 18 | 16 | 20 | 18 | 16 | 16 | | | | | | | | | | | |

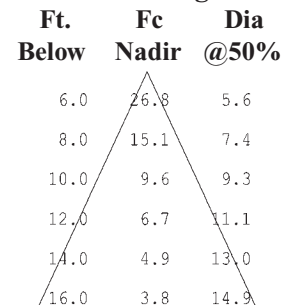


Product Number: VC1022HFU218/D218E/SCL/16
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06077 (Direct only)
Lamp(s) Source: (2) 18W PLC 4 pin lamp rated at 1250 lumens
Total Luminaire Efficiency: 48.4%
CIE Type: Direct
Luminaire Spacing Criterion: 0.8/1.0
Luminous Diameter: 7.375

Zonal Lumen Summary

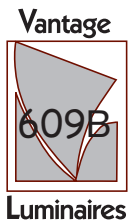
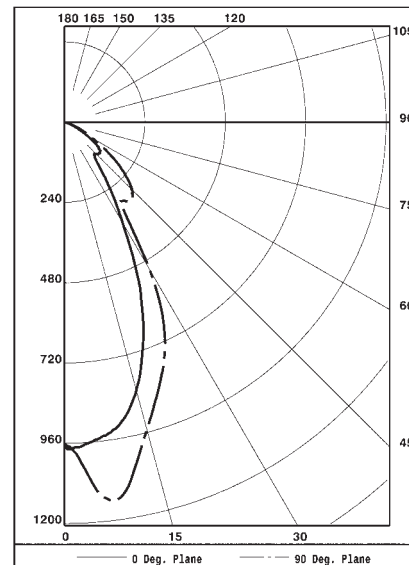
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 654 | 26.2 | 54.1 |
| 0- 40 | 851 | 34.0 | 70.4 |
| 0- 60 | 1149 | 46.0 | 95.0 |
| 0- 90 | 1209 | 48.4 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 1209 | 48.4 | 100.0 |

Cone of Light



Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 | 0 | RW | 70 | 50 | 30 | 10 |
| 0 | 58 | 58 | 58 | 58 | 56 | 56 | 56 | 56 | 54 | 54 | 54 | 51 | 51 | 51 | 49 | 49 | 49 | 48 | | | | | | | | | | | |
| 1 | 55 | 53 | 52 | 50 | 53 | 52 | 51 | 50 | 50 | 49 | 48 | 48 | 47 | 47 | 47 | 46 | 45 | 44 | | | | | | | | | | | |
| 2 | 51 | 49 | 46 | 45 | 50 | 48 | 46 | 44 | 46 | 45 | 43 | 45 | 43 | 42 | 43 | 42 | 41 | 40 | | | | | | | | | | | |
| 3 | 48 | 45 | 42 | 40 | 47 | 44 | 42 | 40 | 43 | 41 | 39 | 42 | 40 | 38 | 40 | 39 | 38 | 37 | | | | | | | | | | | |
| 4 | 45 | 41 | 38 | 36 | 44 | 41 | 38 | 35 | 39 | 37 | 35 | 38 | 36 | 35 | 37 | 36 | 34 | 33 | | | | | | | | | | | |
| 5 | 42 | 38 | 34 | 32 | 42 | 37 | 34 | 32 | 36 | 34 | 32 | 35 | 33 | 31 | 35 | 33 | 31 | 30 | | | | | | | | | | | |
| 6 | 40 | 35 | 32 | 29 | 39 | 34 | 31 | 29 | 34 | 31 | 29 | 33 | 30 | 29 | 32 | 30 | 28 | 28 | | | | | | | | | | | |
| 7 | 37 | 32 | 29 | 27 | 37 | 32 | 29 | 26 | 31 | 28 | 26 | 31 | 28 | 26 | 30 | 28 | 26 | 25 | | | | | | | | | | | |
| 8 | 35 | 30 | 26 | 24 | 34 | 29 | 26 | 24 | 29 | 26 | 24 | 28 | 26 | 24 | 28 | 25 | 24 | 23 | | | | | | | | | | | |
| 9 | 33 | 27 | 24 | 22 | 32 | 27 | 24 | 22 | 27 | 24 | 22 | 26 | 23 | 22 | 26 | 23 | 21 | 21 | | | | | | | | | | | |
| 10 | 31 | 25 | 22 | 20 | 30 | 25 | 22 | 20 | 25 | 22 | 20 | 24 | 22 | 20 | 24 | 21 | 20 | 19 | | | | | | | | | | | |



Photometric Information

Product Number: VC1022HFU226/D226E/SCL/14
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 05836 (Direct only)
Lamp(s) Source: (2) 26W PLC 4 pin lamp rated at 1800 lumens
Total Luminaire Efficiency: 43.3%
CIE Type: Direct
Luminaire Spacing Criterion: 1.0/1.1
Luminous Diameter: 7.375

Zonal Lumen Summary

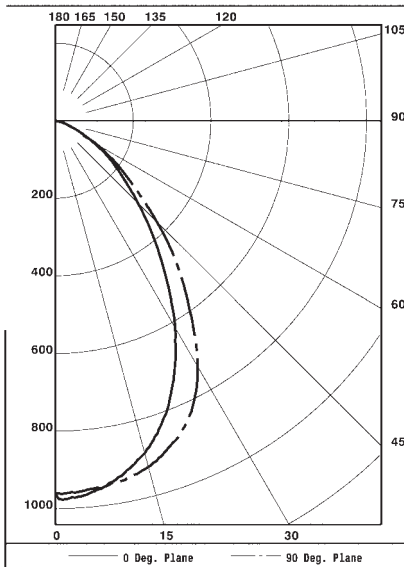
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 702 | 19.5 | 45.1 |
| 0- 40 | 1052 | 29.2 | 67.5 |
| 0- 60 | 1468 | 40.8 | 94.2 |
| 0- 90 | 1558 | 43.3 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 1558 | 43.3 | 100.0 |

Cone of Light

| Ft. Below | Fc Nadir | Dia @50% |
|-----------|----------|----------|
| 6.0 | 26.7 | 6.5 |
| 8.0 | 15.0 | 8.7 |
| 10.0 | 9.6 | 10.9 |
| 12.0 | 6.7 | 13.1 |
| 14.0 | 4.9 | 15.3 |
| 16.0 | 3.8 | 17.4 |

Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 |
| 0 | 52 | 52 | 52 | 52 | 50 | 50 | 50 | 50 | 48 | 48 | 48 | 46 | 46 | 46 | 44 | 44 | 44 | 43 | | | | | | |
| 1 | 49 | 47 | 46 | 45 | 48 | 46 | 45 | 44 | 44 | 44 | 43 | 43 | 42 | 41 | 41 | 41 | 40 | 39 | | | | | | |
| 2 | 46 | 43 | 41 | 39 | 45 | 42 | 40 | 39 | 41 | 39 | 38 | 40 | 38 | 37 | 38 | 37 | 36 | 36 | | | | | | |
| 3 | 43 | 39 | 37 | 35 | 42 | 39 | 36 | 34 | 38 | 36 | 34 | 36 | 35 | 33 | 35 | 34 | 33 | 32 | | | | | | |
| 4 | 40 | 36 | 33 | 31 | 39 | 35 | 33 | 31 | 34 | 32 | 30 | 33 | 31 | 30 | 33 | 31 | 29 | 29 | | | | | | |
| 5 | 37 | 33 | 30 | 27 | 36 | 32 | 29 | 27 | 31 | 29 | 27 | 31 | 28 | 27 | 30 | 28 | 26 | 26 | | | | | | |
| 6 | 35 | 30 | 27 | 25 | 34 | 30 | 27 | 24 | 29 | 26 | 24 | 28 | 26 | 24 | 28 | 26 | 24 | 23 | | | | | | |
| 7 | 32 | 27 | 24 | 22 | 32 | 27 | 24 | 22 | 26 | 24 | 22 | 26 | 23 | 22 | 25 | 23 | 22 | 21 | | | | | | |
| 8 | 30 | 25 | 22 | 20 | 29 | 25 | 22 | 20 | 24 | 21 | 19 | 24 | 21 | 19 | 23 | 21 | 19 | 19 | | | | | | |
| 9 | 28 | 23 | 20 | 17 | 27 | 22 | 19 | 17 | 22 | 19 | 17 | 22 | 19 | 17 | 21 | 19 | 17 | 16 | | | | | | |
| 10 | 26 | 21 | 18 | 16 | 25 | 21 | 18 | 16 | 20 | 17 | 16 | 20 | 17 | 16 | 19 | 17 | 15 | 15 | | | | | | |



Product Number: VC1022HFU226/D226E/SCL/16
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 05837 (Direct only)
Lamp(s) Source: (2) 26W PLC 4 pin lamp rated at 1800 lumens
Total Luminaire Efficiency: 45.8%
CIE Type: Direct
Luminaire Spacing Criterion: 0.8/1.0
Luminous Diameter: 7.375

Zonal Lumen Summary

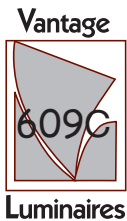
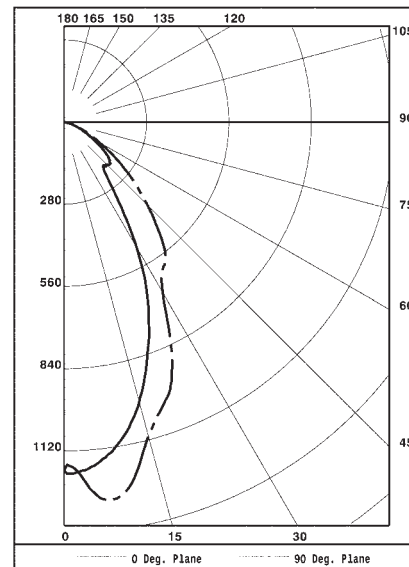
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 805 | 22.3 | 48.8 |
| 0- 40 | 1120 | 31.1 | 67.9 |
| 0- 60 | 1546 | 43.0 | 93.7 |
| 0- 90 | 1650 | 45.8 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 1650 | 45.8 | 100.0 |

Cone of Light

| Ft. Below | Fc Nadir | Dia @50% |
|-----------|----------|----------|
| 6.0 | 32.9 | 5.7 |
| 8.0 | 18.5 | 7.6 |
| 10.0 | 11.9 | 9.5 |
| 12.0 | 8.2 | 11.4 |
| 14.0 | 6.0 | 13.3 |
| 16.0 | 4.6 | 15.2 |

Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 | 10 | RW | 70 | 50 | 30 |
| 0 | 55 | 55 | 55 | 55 | 53 | 53 | 53 | 53 | 51 | 51 | 51 | 49 | 49 | 49 | 47 | 47 | 47 | 46 | | | | | | |
| 1 | 52 | 50 | 49 | 48 | 50 | 49 | 48 | 47 | 47 | 46 | 45 | 45 | 45 | 44 | 44 | 43 | 43 | 42 | | | | | | |
| 2 | 48 | 46 | 44 | 42 | 47 | 45 | 43 | 41 | 43 | 42 | 40 | 42 | 41 | 39 | 41 | 40 | 39 | 38 | | | | | | |
| 3 | 45 | 42 | 39 | 37 | 44 | 41 | 39 | 37 | 40 | 38 | 36 | 39 | 37 | 36 | 38 | 36 | 35 | 34 | | | | | | |
| 4 | 42 | 38 | 35 | 33 | 42 | 38 | 35 | 33 | 37 | 34 | 32 | 36 | 34 | 32 | 35 | 33 | 32 | 31 | | | | | | |
| 5 | 40 | 35 | 32 | 29 | 39 | 34 | 31 | 29 | 34 | 31 | 29 | 33 | 30 | 29 | 32 | 30 | 28 | 28 | | | | | | |
| 6 | 37 | 32 | 29 | 27 | 36 | 32 | 29 | 26 | 31 | 28 | 26 | 30 | 28 | 26 | 30 | 28 | 26 | 25 | | | | | | |
| 7 | 35 | 30 | 26 | 24 | 34 | 29 | 26 | 24 | 29 | 26 | 24 | 28 | 25 | 24 | 27 | 25 | 23 | 23 | | | | | | |
| 8 | 32 | 27 | 24 | 22 | 32 | 27 | 24 | 22 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 20 | | | | | | |
| 9 | 30 | 25 | 22 | 19 | 30 | 25 | 21 | 19 | 24 | 21 | 19 | 24 | 21 | 19 | 23 | 21 | 19 | 18 | | | | | | |
| 10 | 28 | 23 | 20 | 18 | 28 | 23 | 20 | 18 | 22 | 19 | 17 | 22 | 19 | 17 | 21 | 19 | 17 | 17 | | | | | | |



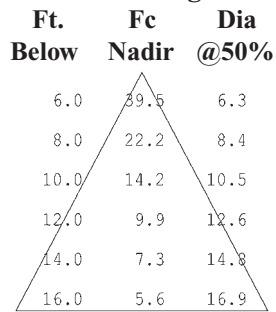
Photometric Information

Product Number: VC1022HFU232/D232E/SCL/14
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 06079 (Direct only)
Lamp(s) Source: (2) 32W DT 4 pin lamps rated at 2400 lumens
Total Luminaire Efficiency: 45.9%
CIE Type: Direct
Luminaire Spacing Criterion: 1.1/1.2/0.9
Luminous Diameter: 7.375

Zonal Lumen Summary

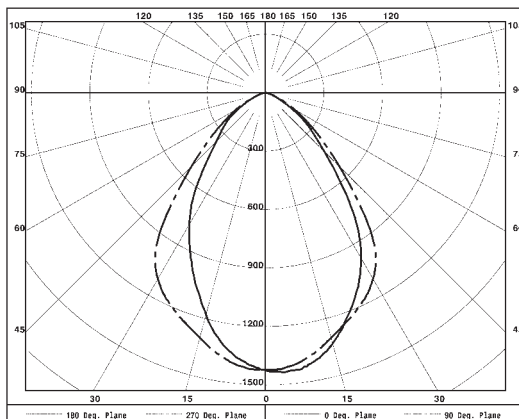
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 1000 | 20.8 | 45.4 |
| 0- 40 | 1521 | 31.7 | 69.0 |
| 0- 60 | 2098 | 43.7 | 95.1 |
| 0- 90 | 2205 | 45.9 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 2205 | 45.9 | 100.0 |

Cone of Light



Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 55 | 55 | 55 | 55 | 53 | 53 | 53 | 53 | 51 | 51 | 51 | 49 | 49 | 49 | 47 | 47 | 47 | 46 | | | | | | |
| 1 | 52 | 50 | 49 | 48 | 51 | 49 | 48 | 47 | 47 | 46 | 45 | 46 | 45 | 44 | 44 | 43 | 43 | 42 | | | | | | |
| 2 | 49 | 46 | 44 | 42 | 47 | 45 | 43 | 41 | 44 | 42 | 40 | 42 | 41 | 40 | 41 | 40 | 39 | 38 | | | | | | |
| 3 | 45 | 42 | 39 | 37 | 44 | 41 | 39 | 37 | 40 | 38 | 36 | 39 | 37 | 36 | 38 | 36 | 35 | 34 | | | | | | |
| 4 | 42 | 38 | 35 | 33 | 42 | 38 | 35 | 33 | 37 | 34 | 32 | 36 | 34 | 32 | 35 | 33 | 32 | 31 | | | | | | |
| 5 | 40 | 35 | 32 | 29 | 39 | 34 | 31 | 29 | 34 | 31 | 29 | 33 | 30 | 29 | 32 | 30 | 28 | 28 | | | | | | |
| 6 | 37 | 32 | 29 | 26 | 36 | 32 | 29 | 26 | 31 | 28 | 26 | 30 | 28 | 26 | 30 | 27 | 26 | 25 | | | | | | |
| 7 | 35 | 29 | 26 | 24 | 34 | 29 | 26 | 24 | 28 | 26 | 23 | 28 | 25 | 23 | 27 | 25 | 23 | 22 | | | | | | |
| 8 | 32 | 27 | 23 | 21 | 31 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 25 | 23 | 21 | 20 | | | | | | |
| 9 | 30 | 24 | 21 | 19 | 29 | 24 | 21 | 19 | 24 | 21 | 19 | 23 | 20 | 19 | 23 | 20 | 18 | 18 | | | | | | |
| 10 | 28 | 22 | 19 | 17 | 27 | 22 | 19 | 17 | 22 | 19 | 17 | 21 | 19 | 17 | 21 | 18 | 17 | 16 | | | | | | |

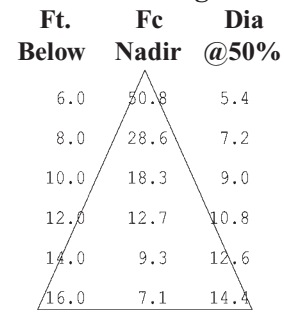


Product Number: VC1022HFU232/D232E/SCL/16
Cylinder: 10"x22" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06080 (Direct only)
Lamp(s) Source: (2) 32W DT 4 pin lamps rated at 2400 lumens
Total Luminaire Efficiency: 45.9%
CIE Type: Direct
Luminaire Spacing Criterion: 0.9/1.0/0.8
Luminous Diameter: 7.375

Zonal Lumen Summary

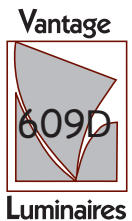
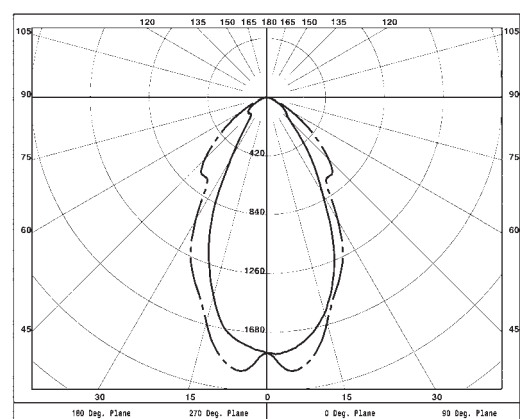
| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 1171 | 24.4 | 53.2 |
| 0- 40 | 1573 | 32.8 | 71.4 |
| 0- 60 | 2097 | 43.7 | 95.2 |
| 0- 90 | 2204 | 45.9 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 2204 | 45.9 | 100.0 |

Cone of Light



Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 55 | 55 | 55 | 55 | 53 | 53 | 53 | 53 | 51 | 51 | 51 | 49 | 49 | 49 | 47 | 47 | 47 | 46 | | | | | | |
| 1 | 52 | 50 | 49 | 48 | 51 | 49 | 48 | 47 | 47 | 47 | 46 | 46 | 45 | 44 | 44 | 44 | 43 | 42 | | | | | | |
| 2 | 49 | 46 | 44 | 42 | 48 | 45 | 43 | 42 | 44 | 42 | 41 | 43 | 41 | 40 | 41 | 40 | 39 | 38 | | | | | | |
| 3 | 46 | 43 | 40 | 38 | 45 | 42 | 39 | 38 | 41 | 39 | 37 | 39 | 38 | 36 | 38 | 37 | 36 | 35 | | | | | | |
| 4 | 43 | 39 | 36 | 34 | 42 | 38 | 36 | 34 | 37 | 35 | 33 | 37 | 35 | 33 | 36 | 34 | 32 | 32 | | | | | | |
| 5 | 40 | 36 | 33 | 30 | 39 | 35 | 32 | 30 | 34 | 32 | 30 | 34 | 31 | 30 | 33 | 31 | 29 | 29 | | | | | | |
| 6 | 38 | 33 | 30 | 28 | 37 | 33 | 30 | 28 | 32 | 29 | 27 | 31 | 29 | 27 | 31 | 29 | 27 | 26 | | | | | | |
| 7 | 36 | 31 | 27 | 25 | 35 | 30 | 27 | 25 | 30 | 27 | 25 | 29 | 27 | 25 | 28 | 26 | 25 | 24 | | | | | | |
| 8 | 33 | 28 | 25 | 23 | 33 | 28 | 25 | 23 | 27 | 25 | 23 | 27 | 24 | 23 | 26 | 24 | 22 | 22 | | | | | | |
| 9 | 31 | 26 | 23 | 21 | 30 | 26 | 23 | 21 | 25 | 22 | 20 | 25 | 22 | 20 | 24 | 22 | 20 | 20 | | | | | | |
| 10 | 29 | 24 | 21 | 19 | 29 | 24 | 21 | 19 | 23 | 21 | 19 | 23 | 20 | 19 | 23 | 20 | 19 | 18 | | | | | | |



Photometric Information

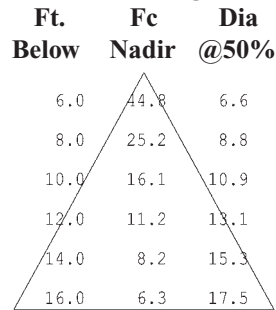
Product Number: VC1020HFU242/D242E/SCL/14
Cylinder: 10"x20" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with prismatic glass lens and specular clear "Alzak" splay
LTL Test Number: 06082 (Direct only)
Lamp(s) Source: (2) 42W DT 4 pin lamps rated at 3200 lumens
Total Luminaire Efficiency: 42.1%
CIE Type: Direct
Luminaire Spacing Criterion: 1.0/1.2
Luminous Diameter: 7.375

Product Number: VC1020HFU242/D242E/SCL/16
Cylinder: 10"x20" Up/Down, Horizontal Mount Fluorescents
Reflector: 8" Horizontal Clear "Alzak" Reflector with fresnel glass lens and specular clear "Alzak" splay
LTL Test Number: 06083 (Direct only)
Lamp(s) Source: (2) 42W DT 4 pin lamps rated at 3200 lumens
Total Luminaire Efficiency: 44.0%
CIE Type: Direct
Luminaire Spacing Criterion: 0.9/1.0
Luminous Diameter: 7.375

Zonal Lumen Summary

| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 1157 | 18.1 | 42.9 |
| 0- 40 | 1792 | 28.0 | 66.5 |
| 0- 60 | 2554 | 39.9 | 94.7 |
| 0- 90 | 2695 | 42.1 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 2695 | 42.1 | 100.0 |

Cone of Light



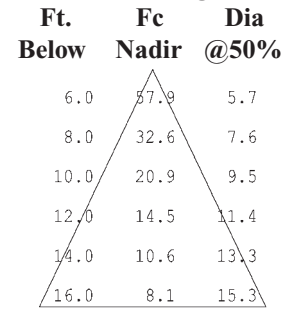
Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 50 | 50 | 50 | 50 | 49 | 49 | 49 | 49 | 47 | 47 | 47 | 45 | 45 | 45 | 43 | 43 | 43 | 42 | | | | | | | | | | | | | | |
| 1 | 47 | 46 | 45 | 44 | 46 | 45 | 44 | 43 | 43 | 42 | 42 | 42 | 41 | 40 | 40 | 40 | 39 | 38 | | | | | | | | | | | | | | |
| 2 | 44 | 42 | 40 | 38 | 43 | 41 | 39 | 38 | 40 | 38 | 37 | 38 | 37 | 36 | 37 | 36 | 35 | 35 | | | | | | | | | | | | | | |
| 3 | 41 | 38 | 36 | 34 | 41 | 38 | 35 | 33 | 36 | 34 | 33 | 35 | 34 | 32 | 34 | 33 | 32 | 31 | | | | | | | | | | | | | | |
| 4 | 39 | 35 | 32 | 30 | 38 | 34 | 32 | 30 | 33 | 31 | 29 | 32 | 30 | 29 | 32 | 30 | 29 | 28 | | | | | | | | | | | | | | |
| 5 | 36 | 32 | 29 | 26 | 35 | 31 | 28 | 26 | 30 | 28 | 26 | 30 | 27 | 26 | 29 | 27 | 25 | 25 | | | | | | | | | | | | | | |
| 6 | 34 | 29 | 26 | 24 | 33 | 29 | 26 | 24 | 28 | 25 | 23 | 27 | 25 | 23 | 27 | 25 | 23 | 22 | | | | | | | | | | | | | | |
| 7 | 31 | 26 | 23 | 21 | 31 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 24 | 22 | 21 | 20 | | | | | | | | | | | | | | |
| 8 | 29 | 24 | 21 | 19 | 28 | 24 | 21 | 19 | 23 | 21 | 19 | 23 | 20 | 19 | 22 | 20 | 18 | 18 | | | | | | | | | | | | | | |
| 9 | 27 | 22 | 19 | 17 | 26 | 22 | 19 | 17 | 21 | 18 | 16 | 21 | 18 | 16 | 20 | 18 | 16 | 16 | | | | | | | | | | | | | | |
| 10 | 25 | 20 | 17 | 15 | 25 | 20 | 17 | 15 | 19 | 17 | 15 | 19 | 16 | 15 | 19 | 16 | 15 | 14 | | | | | | | | | | | | | | |

Zonal Lumen Summary

| ZONE | LUMENS | %LAMP | %FIXTURE |
|--------|--------|-------|----------|
| 0- 30 | 1404 | 21.9 | 49.8 |
| 0- 40 | 1973 | 30.8 | 70.0 |
| 0- 60 | 2675 | 41.8 | 94.9 |
| 0- 90 | 2818 | 44.0 | 100.0 |
| 90-180 | 0 | 0.0 | 0.0 |
| 0-180 | 2818 | 44.0 | 100.0 |

Cone of Light



Coefficients of Utilization

| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | | 0 | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 |
| 0 | 52 | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 49 | 49 | 49 | 47 | 47 | 47 | 45 | 45 | 45 | 44 | | | | | | | | | | | | | | |
| 1 | 50 | 48 | 47 | 46 | 49 | 47 | 46 | 45 | 45 | 45 | 44 | 44 | 43 | 42 | 42 | 42 | 41 | 40 | | | | | | | | | | | | | | |
| 2 | 47 | 44 | 42 | 40 | 46 | 43 | 42 | 40 | 42 | 40 | 39 | 41 | 39 | 38 | 39 | 38 | 37 | 37 | | | | | | | | | | | | | | |
| 3 | 44 | 41 | 38 | 36 | 43 | 40 | 38 | 36 | 39 | 37 | 35 | 38 | 36 | 35 | 37 | 35 | 34 | 33 | | | | | | | | | | | | | | |
| 4 | 41 | 37 | 34 | 32 | 40 | 37 | 34 | 32 | 36 | 33 | 31 | 35 | 33 | 31 | 34 | 32 | 31 | 30 | | | | | | | | | | | | | | |
| 5 | 38 | 34 | 31 | 29 | 37 | 33 | 31 | 29 | 33 | 30 | 28 | 32 | 30 | 28 | 31 | 29 | 28 | 27 | | | | | | | | | | | | | | |
| 6 | 36 | 31 | 28 | 26 | 35 | 31 | 28 | 26 | 30 | 28 | 26 | 30 | 27 | 25 | 29 | 27 | 25 | 25 | | | | | | | | | | | | | | |
| 7 | 34 | 29 | 26 | 23 | 33 | 28 | 26 | 23 | 28 | 25 | 23 | 27 | 25 | 23 | 27 | 25 | 23 | 22 | | | | | | | | | | | | | | |
| 8 | 31 | 26 | 23 | 21 | 31 | 26 | 23 | 21 | 26 | 23 | 21 | 25 | 23 | 21 | 25 | 23 | 21 | 20 | | | | | | | | | | | | | | |
| 9 | 29 | 24 | 21 | 19 | 29 | 24 | 21 | 19 | 23 | 21 | 19 | 23 | 21 | 19 | 23 | 21 | 19 | 18 | | | | | | | | | | | | | | |
| 10 | 27 | 22 | 19 | 17 | 27 | 22 | 19 | 17 | 22 | 19 | 17 | 22 | 19 | 17 | 22 | 19 | 17 | 16 | | | | | | | | | | | | | | |

