



Incandescent

**45-Degree Sloped Ceiling  
Baffle Trim  
IC & Non-IC**

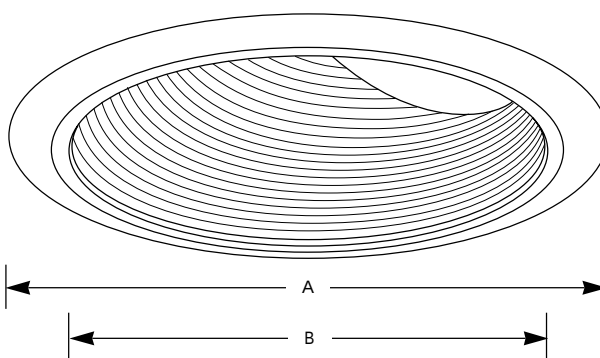
**Recessed**

Type \_\_\_\_\_

-28    -31

P8000 ☐ ☐

| Catalog No. | Finish |       | Dimensions (Inches) |       |
|-------------|--------|-------|---------------------|-------|
|             | White  | Black | A                   | B     |
| P8000       | -28    | -31   | 9-3/4               | 7-3/4 |



**Lamp Wattage**

| Housing | IC            | Non-IC        |
|---------|---------------|---------------|
| P45-AT  | 120BR40/PAR38 | 120BR40/PAR38 |
| P145-TG | N/A           | 250BR40/PAR38 |
| P245-TG | 75PAR38/BR40  | 75PAR38/BR40  |

**Specifications:**

Flange

- Bright white powder painted flange ring
- Covers irregular ceiling openings

Trim

- Single spring installation
- Aluminum die cast deep-groove baffle
- Lamp adjustable from below for perpendicular orientation in 9 to 45 degree (2/12 to 12/12) ceilings

Options

- White baffle - specify "28" after catalog number
- Black baffle - specify "31" after catalog number

Labels

- UL-CUL damp location listed

Progress Lighting  
Post Office Box 5704  
Spartanburg, South Carolina  
29304-5704

www.progresslighting.com

Rev. 12/99

# P45AT

## P45AT WITH P8000-28

Report No. 99005

No. Lamps: 1 Type Lamp: 120BR40 Total Lumens: 1600

Fixture Efficiency: 92.0%

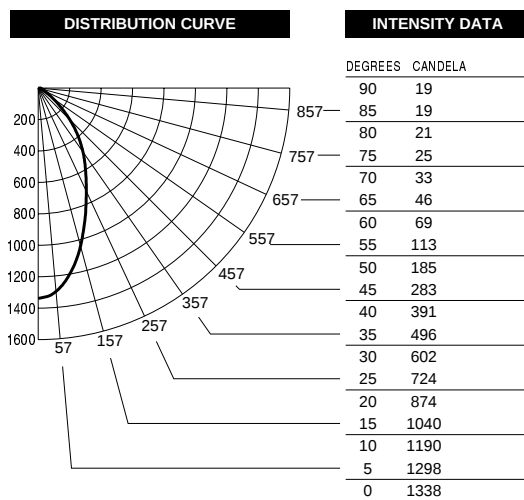
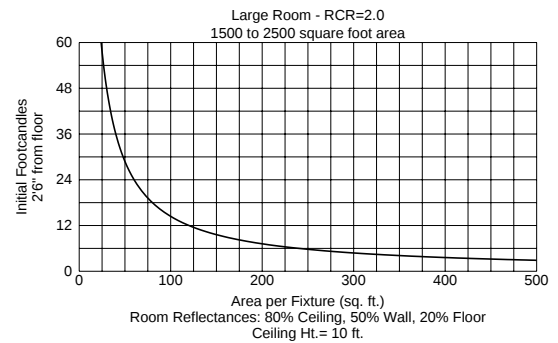
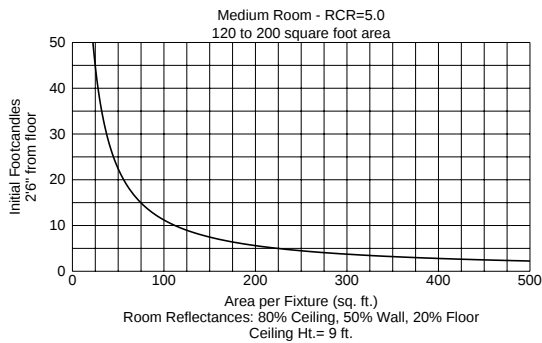
S/MH Ratio: 0.8

### Single Fixture Data

|                     | 10% Values       |           | Zero<br>Degrees | 50% Values       |           |
|---------------------|------------------|-----------|-----------------|------------------|-----------|
| Ceiling<br>Ht.(Ft.) | Beam Angle - 857 |           |                 | Beam Angle - 437 |           |
|                     | Ft.-C            | Beam Dia. |                 | Ft.-C            | Beam Dia. |
| 8                   | 4.4              | 10        | 44.2            | 22.1             | 4         |
| 10                  | 2.4              | 14        | 23.8            | 11.9             | 6         |
| 12                  | 1.5              | 17        | 14.8            | 7.4              | 7         |
| 14                  | 1.0              | 21        | 10.1            | 5.1              | 9         |
| 16                  | 0.7              | 25        | 7.3             | 3.7              | 11        |

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

### Quick Calculator Charts



| ZONAL CAVITY COEFFICIENTS OF UTILIZATION |  |                                         |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |  |  |   |
|------------------------------------------|--|-----------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|--|--|---|
|                                          |  | Effective Floor Cavity Reflectance 0.20 |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |  |  |   |
| 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 | 0  |  |  |   |
| 0                                        |  | 110                                     | 110 | 110 | 110 | 107 | 107 | 107 | 107 | 102 | 102 | 102 | 98 | 98 | 98 | 94 | 94 | 94 | 92 |  |  |   |
| 1                                        |  | 103                                     | 99  | 96  | 94  | 100 | 97  | 95  | 92  | 94  | 91  | 89  | 90 | 88 | 87 | 87 | 85 | 84 | 82 |  |  |   |
| 2                                        |  | 96                                      | 90  | 86  | 82  | 94  | 89  | 84  | 81  | 86  | 82  | 79  | 83 | 80 | 77 | 80 | 78 | 76 | 74 |  |  |   |
| 3                                        |  | 90                                      | 83  | 77  | 72  | 88  | 81  | 76  | 72  | 79  | 74  | 70  | 76 | 73 | 69 | 74 | 71 | 68 | 67 |  |  |   |
| 4                                        |  | 84                                      | 76  | 69  | 65  | 82  | 75  | 69  | 64  | 72  | 67  | 63  | 70 | 66 | 63 | 69 | 65 | 62 | 60 |  |  |   |
| 5                                        |  | 79                                      | 70  | 63  | 58  | 77  | 69  | 63  | 58  | 67  | 62  | 57  | 65 | 61 | 57 | 64 | 60 | 56 | 55 |  |  |   |
| 6                                        |  | 74                                      | 64  | 58  | 53  | 73  | 64  | 57  | 53  | 62  | 57  | 52  | 61 | 56 | 52 | 59 | 55 | 52 | 50 |  |  |   |
| 7                                        |  | 70                                      | 60  | 53  | 49  | 68  | 59  | 53  | 48  | 58  | 52  | 48  | 57 | 52 | 48 | 55 | 51 | 48 | 46 |  |  |   |
| 8                                        |  | 66                                      | 56  | 49  | 45  | 65  | 55  | 49  | 45  | 54  | 48  | 44  | 53 | 48 | 44 | 52 | 47 | 44 | 42 |  |  |   |
| 9                                        |  | 62                                      | 52  | 46  | 41  | 61  | 51  | 45  | 41  | 51  | 45  | 41  | 50 | 45 | 41 | 49 | 44 | 41 | 39 |  |  |   |
| 10                                       |  | 59                                      | 49  | 43  | 38  | 58  | 48  | 42  | 38  | 47  | 42  | 38  | 47 | 42 | 38 | 46 | 41 | 38 | 37 |  |  |   |

# P45AT

## P45AT WITH P8000-28

Report No. 99009

No. Lamps: 1 Type Lamp: 90PAR38/FL - SYLVANIA Total Lumens: 1300

Fixture Efficiency: 100%

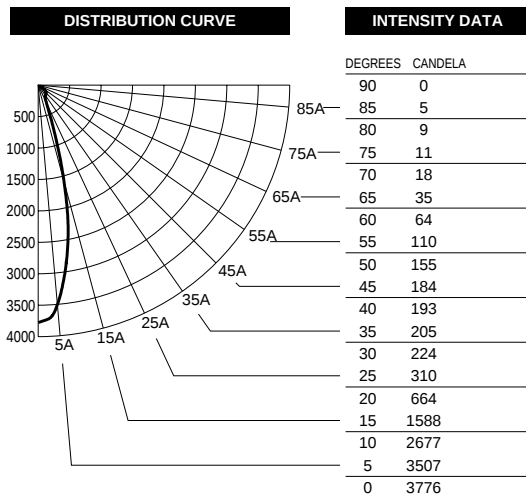
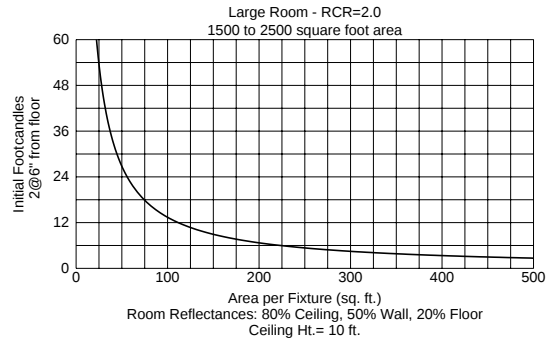
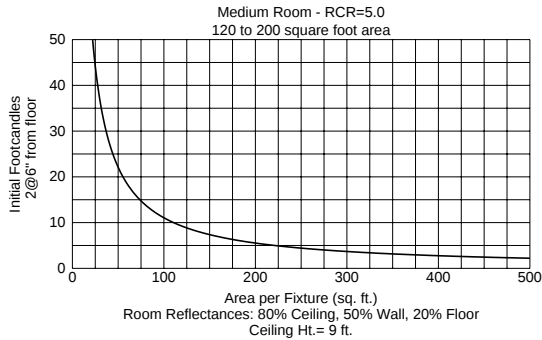
S/MH Ratio: 0.4

### Single Fixture Data

|                     | 10% Values       |           | Zero<br>Degrees<br>Ft.-C | 50% Values       |           |
|---------------------|------------------|-----------|--------------------------|------------------|-----------|
| Ceiling<br>Ht.(Ft.) | Beam Angle - 44A |           |                          | Beam Angle - 26A |           |
|                     | Ft.-C            | Beam Dia. |                          | Ft.-C            | Beam Dia. |
| 8                   | 12.5             | 4         | 124.8                    | 62.4             | 3         |
| 10                  | 6.7              | 6         | 67.1                     | 33.6             | 3         |
| 12                  | 4.2              | 8         | 41.8                     | 20.9             | 4         |
| 14                  | 2.9              | 9         | 28.6                     | 14.3             | 5         |
| 16                  | 2.1              | 11        | 20.7                     | 10.4             | 6         |

Ft.-C (Footcandles) are initial and measured 2@-6" from floor

### Quick Calculator Charts



| ZONAL CAVITY COEFFICIENTS OF UTILIZATION |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|---|
| Effective Floor Cavity Reflectance 0.20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |  |  |   |
| 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  | 0   |  |  |   |
| 0                                        | 121 | 121 | 121 | 121 | 118 | 118 | 118 | 118 | 112 | 112 | 112 | 108 | 108 | 108 | 103 | 103 | 103 | 101 |  |  |   |
| 1                                        | 115 | 112 | 109 | 106 | 112 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  |  |  |   |
| 2                                        | 109 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 95  | 93  | 90  | 93  | 90  | 89  | 87  |  |  |   |
| 3                                        | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 82  | 81  |  |  |   |
| 4                                        | 98  | 90  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 76  |  |  |   |
| 5                                        | 94  | 85  | 79  | 75  | 92  | 84  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 73  | 79  | 76  | 73  | 71  |  |  |   |
| 6                                        | 89  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 67  |  |  |   |
| 7                                        | 86  | 77  | 71  | 67  | 84  | 76  | 70  | 66  | 75  | 70  | 66  | 73  | 69  | 66  | 72  | 68  | 65  | 64  |  |  |   |
| 8                                        | 82  | 73  | 67  | 63  | 81  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 61  |  |  |   |
| 9                                        | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 64  | 60  | 68  | 63  | 60  | 67  | 63  | 60  | 58  |  |  |   |
| 10                                       | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  |  |  |   |

# P45AT

## P45AT WITH P8000-31

Report No. 99006

No. Lamps: 1    Type Lamp: 120BR40    Total Lumens: 1600

Fixture Efficiency: 92.0%

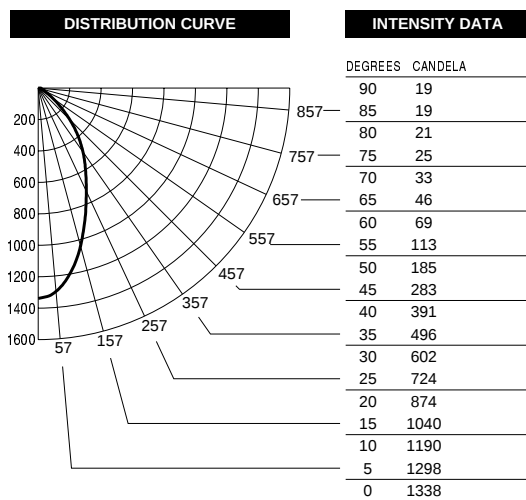
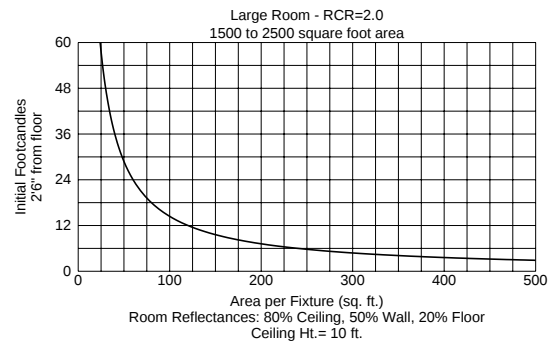
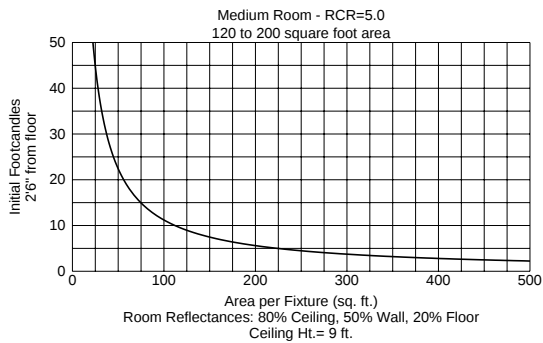
S/MH Ratio: 0.8

### Single Fixture Data

|                     | 10% Values       |           | Zero<br>Degrees<br><br>Ft.-C | 50% Values       |           |
|---------------------|------------------|-----------|------------------------------|------------------|-----------|
| Ceiling<br>Ht.(Ft.) | Beam Angle - 857 |           |                              | Beam Angle - 437 |           |
|                     | Ft.-C            | Beam Dia. |                              | Ft.-C            | Beam Dia. |
| 8                   | 4.4              | 10        | 44.2                         | 22.1             | 4         |
| 10                  | 2.4              | 14        | 23.8                         | 11.9             | 6         |
| 12                  | 1.5              | 17        | 14.8                         | 7.4              | 7         |
| 14                  | 1.0              | 21        | 10.1                         | 5.1              | 9         |
| 16                  | 0.7              | 25        | 7.3                          | 3.7              | 11        |

Ft.-C (Footcandles) are initial and measured 2'-6" from floor

### Quick Calculator Charts



| ZONAL CAVITY COEFFICIENTS OF UTILIZATION |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |  |  |  |   |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|--|--|--|---|
| Effective Floor Cavity Reflectance 0.20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |  |  |  |   |
| 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 | 0  |  |  |  |   |
| 0                                        | 110 | 110 | 110 | 110 | 110 | 107 | 107 | 107 | 107 | 107 | 102 | 102 | 102 | 102 | 98 | 98 | 98 | 98 | 94 | 94 | 94 | 92 |  |  |  |   |
| 1                                        | 103 | 99  | 96  | 96  | 94  | 100 | 97  | 95  | 92  | 92  | 94  | 91  | 89  | 90  | 88 | 87 | 87 | 85 | 84 | 82 | 82 |    |  |  |  |   |
| 2                                        | 96  | 90  | 86  | 82  | 82  | 94  | 89  | 84  | 81  | 81  | 86  | 82  | 79  | 83  | 80 | 77 | 80 | 78 | 76 | 74 | 74 |    |  |  |  |   |
| 3                                        | 90  | 83  | 77  | 72  | 72  | 88  | 81  | 76  | 72  | 72  | 79  | 74  | 70  | 76  | 73 | 69 | 74 | 71 | 68 | 67 | 67 |    |  |  |  |   |
| 4                                        | 84  | 76  | 69  | 65  | 65  | 82  | 75  | 69  | 64  | 64  | 72  | 67  | 63  | 70  | 66 | 63 | 69 | 65 | 62 | 60 | 60 |    |  |  |  |   |
| 5                                        | 79  | 70  | 63  | 58  | 58  | 77  | 69  | 63  | 58  | 58  | 67  | 62  | 57  | 65  | 61 | 57 | 64 | 60 | 56 | 55 | 55 |    |  |  |  |   |
| 6                                        | 74  | 64  | 58  | 53  | 53  | 73  | 64  | 57  | 53  | 53  | 62  | 57  | 52  | 61  | 56 | 52 | 59 | 55 | 52 | 50 | 50 |    |  |  |  |   |
| 7                                        | 70  | 60  | 53  | 49  | 49  | 68  | 59  | 53  | 48  | 48  | 58  | 52  | 48  | 57  | 52 | 48 | 55 | 51 | 48 | 46 | 46 |    |  |  |  |   |
| 8                                        | 66  | 56  | 49  | 45  | 45  | 65  | 55  | 49  | 45  | 45  | 54  | 48  | 44  | 53  | 48 | 44 | 52 | 47 | 44 | 42 | 42 |    |  |  |  |   |
| 9                                        | 62  | 52  | 46  | 41  | 41  | 61  | 51  | 45  | 41  | 41  | 51  | 45  | 41  | 50  | 45 | 41 | 49 | 44 | 41 | 39 | 39 |    |  |  |  |   |
| 10                                       | 59  | 49  | 43  | 38  | 38  | 58  | 48  | 42  | 38  | 38  | 47  | 42  | 38  | 47  | 42 | 38 | 46 | 41 | 38 | 37 | 37 |    |  |  |  |   |

# P45AT

## P45AT WITH P8000-31

Report No. 99010

No. Lamps: 1 Type Lamp: 90PAR38/FL - SYLVANIA Total Lumens: 1300

Fixture Efficiency: 100%

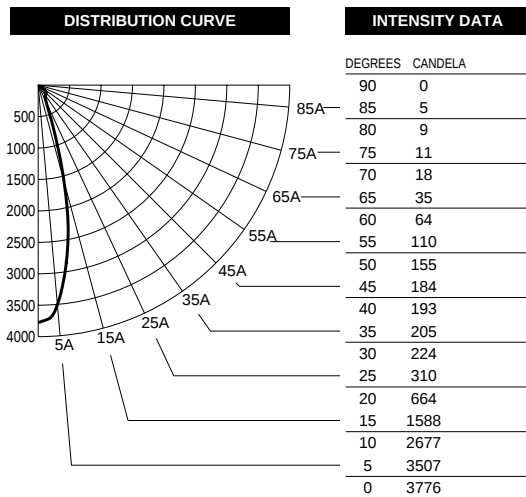
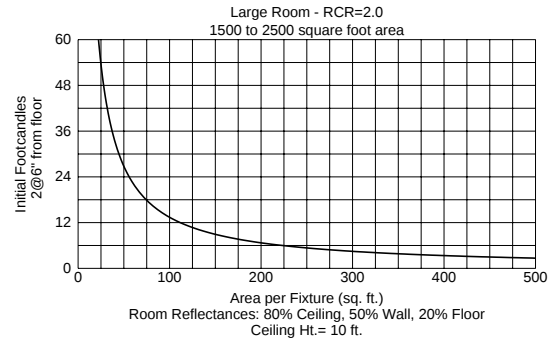
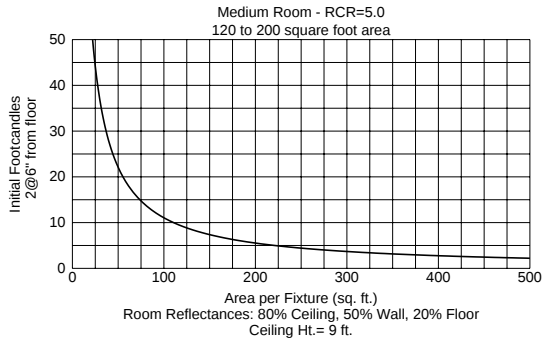
S/MH Ratio: 0.4

### Single Fixture Data

|                     | 10% Values       |           | Zero<br>Degrees<br>Ft.-C | 50% Values       |           |
|---------------------|------------------|-----------|--------------------------|------------------|-----------|
| Ceiling<br>Ht.(Ft.) | Beam Angle - 44A |           |                          | Beam Angle - 26A |           |
|                     | Ft.-C            | Beam Dia. |                          | Ft.-C            | Beam Dia. |
| 8                   | 12.5             | 4         | 124.8                    | 62.4             | 3         |
| 10                  | 6.7              | 6         | 67.1                     | 33.6             | 3         |
| 12                  | 4.2              | 8         | 41.8                     | 20.9             | 4         |
| 14                  | 2.9              | 9         | 28.6                     | 14.3             | 5         |
| 16                  | 2.1              | 11        | 20.7                     | 10.4             | 6         |

Ft.-C (Footcandles) are initial and measured 2@-6" from floor

### Quick Calculator Charts



| ZONAL CAVITY COEFFICIENTS OF UTILIZATION |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|
| Effective Floor Cavity Reflectance 0.20  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |    |
| 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 | 0  |    |
| 0                                        | 121 | 121 | 121 | 121 | 118 | 118 | 118 | 118 | 112 | 112 | 112 | 108 | 108 | 108 | 103 | 103 | 103 | 101 | 101 | 101 | 98 | 97 | 96 | 94 | 93 | 90 | 89 | 87 | 84 | 81 | 76 |
| 1                                        | 115 | 112 | 109 | 106 | 112 | 109 | 107 | 105 | 105 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 96  | 94  | 93  | 90  | 89 | 87 | 84 | 83 | 80 | 77 | 76 | 73 | 71 | 68 | 64 |
| 2                                        | 109 | 103 | 99  | 96  | 106 | 102 | 98  | 95  | 98  | 95  | 92  | 95  | 93  | 90  | 93  | 90  | 89  | 87  | 84  | 83  | 80 | 77 | 76 | 73 | 71 | 68 | 65 | 62 | 59 | 56 | 53 |
| 3                                        | 103 | 96  | 91  | 87  | 101 | 95  | 90  | 86  | 92  | 88  | 85  | 90  | 87  | 84  | 88  | 85  | 82  | 81  | 78  | 76  | 73 | 71 | 68 | 65 | 62 | 59 | 56 | 53 | 50 | 47 | 44 |
| 4                                        | 98  | 90  | 85  | 80  | 96  | 89  | 84  | 80  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 76  | 73  | 71  | 68 | 65 | 62 | 59 | 56 | 53 | 50 | 47 | 44 | 41 | 38 |
| 5                                        | 94  | 85  | 79  | 75  | 92  | 84  | 79  | 75  | 82  | 78  | 74  | 81  | 77  | 73  | 79  | 76  | 73  | 71  | 68  | 65  | 62 | 59 | 56 | 53 | 50 | 47 | 44 | 41 | 38 | 35 | 32 |
| 6                                        | 89  | 81  | 75  | 70  | 88  | 80  | 74  | 70  | 78  | 73  | 70  | 77  | 73  | 69  | 76  | 72  | 69  | 67  | 64  | 61  | 58 | 56 | 53 | 50 | 47 | 44 | 41 | 38 | 35 | 32 | 29 |
| 7                                        | 86  | 77  | 71  | 67  | 84  | 76  | 70  | 66  | 75  | 70  | 66  | 73  | 69  | 66  | 72  | 68  | 65  | 64  | 61  | 58  | 56 | 53 | 50 | 47 | 44 | 41 | 38 | 35 | 32 | 29 | 26 |
| 8                                        | 82  | 73  | 67  | 63  | 81  | 72  | 67  | 63  | 71  | 66  | 63  | 70  | 66  | 63  | 69  | 65  | 62  | 61  | 58  | 56  | 53 | 50 | 47 | 44 | 41 | 38 | 35 | 32 | 29 | 26 | 23 |
| 9                                        | 79  | 70  | 64  | 60  | 78  | 69  | 64  | 60  | 68  | 64  | 60  | 68  | 63  | 60  | 67  | 63  | 60  | 58  | 56  | 53  | 50 | 47 | 44 | 41 | 38 | 35 | 32 | 29 | 26 | 23 | 20 |
| 10                                       | 76  | 67  | 62  | 58  | 75  | 67  | 61  | 58  | 66  | 61  | 58  | 65  | 61  | 58  | 64  | 60  | 57  | 56  | 53  | 50  | 47 | 44 | 41 | 38 | 35 | 32 | 29 | 26 | 23 | 20 | 17 |