

**LUMINAIRE:** SAV-MM-30-8-SB22-CDL-U-GG  
Savanno Decorative Led, Highbay  
22" led with suspended bead refractor and conical drop lens  
Data Scaled from Test# 17.00955  
**BALLAST:** HLG-185H-1400B  
**BALLAST FACTOR:** 1.00  
**LAMP:** Led  
**FIXTURE LUMENS:** 18982  
**WATTS:** 177.50  
**MOUNTING:** Pendant  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.31 90° = 1.31  
**LUMINOUS OPENING IN FEET**  
LENGTH: 1.83  
WIDTH: 1.83  
HEIGHT: 1.50

TEST #18214

DATE: 3/30/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 107**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$2.24**

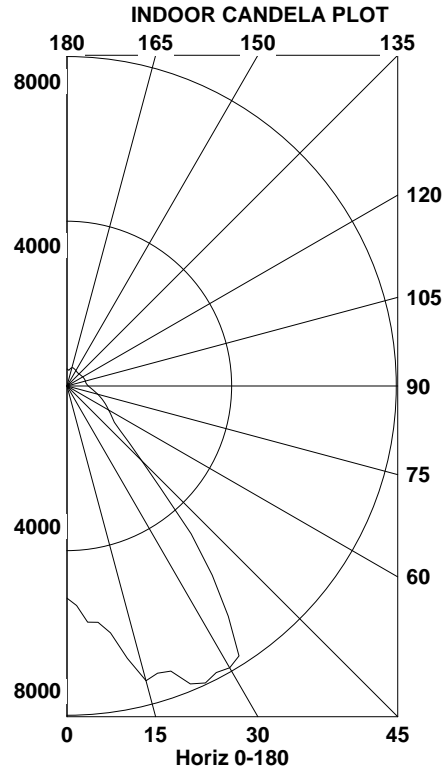
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

| ZONE   | LUMENS | % LAMP | % FIXTURE |
|--------|--------|--------|-----------|
| 0-30   | 6183   | 32.6   | 32.6      |
| 0-40   | 10339  | 54.5   | 54.5      |
| 0-60   | 13700  | 72.2   | 72.2      |
| 0-90   | 16175  | 85.2   | 85.2      |
| 90-120 | 1462   | 7.7    | 7.7       |
| 90-130 | 1848   | 9.7    | 9.7       |
| 90-150 | 2433   | 12.8   | 12.8      |
| 90-180 | 2807   | 14.8   | 14.8      |
| 0-180  | 18982  | 100.0  | 100.0     |

**AVERAGE LUMINANCE**

| ANGLE | 0.0   |
|-------|-------|
| 0     | 21080 |
| 30    | 23292 |
| 40    | 13352 |
| 45    | 7270  |
| 50    | 4773  |
| 55    | 3839  |
| 60    | 3396  |
| 65    | 3071  |
| 70    | 2772  |
| 75    | 2494  |
| 80    | 2262  |
| 85    | 2106  |



0.0 ———

**COEFFICIENTS OF UTILIZATION (%)**

**ZONAL CAVITY METHOD**

**EFFECTIVE FLOOR CAVITY REFLECTANCE = 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  | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 111 | 103 | 103 | 103 | 95  | 95  | 95  | 88  | 88  | 88  | 85 |
| 1  | 106 | 102 | 98  | 94  | 102 | 98  | 94  | 91  | 91  | 88  | 86  | 85  | 82  | 80  | 79  | 77  | 75  | 72 |
| 2  | 98  | 90  | 84  | 79  | 94  | 87  | 82  | 77  | 81  | 77  | 73  | 76  | 72  | 69  | 71  | 68  | 66  | 63 |
| 3  | 90  | 81  | 74  | 68  | 87  | 78  | 72  | 66  | 73  | 68  | 63  | 69  | 64  | 60  | 64  | 61  | 58  | 55 |
| R  | 4   | 83  | 73  | 65  | 59  | 80  | 71  | 63  | 58  | 66  | 60  | 56  | 62  | 57  | 53  | 59  | 55  | 49 |
| C  | 5   | 77  | 66  | 58  | 52  | 74  | 64  | 57  | 51  | 60  | 54  | 49  | 57  | 52  | 47  | 54  | 49  | 43 |
| R  | 6   | 72  | 60  | 52  | 46  | 69  | 58  | 51  | 46  | 55  | 49  | 44  | 52  | 47  | 43  | 49  | 45  | 39 |
|    | 7   | 67  | 55  | 47  | 41  | 65  | 53  | 46  | 41  | 51  | 44  | 40  | 48  | 42  | 38  | 46  | 41  | 35 |
|    | 8   | 63  | 50  | 43  | 37  | 60  | 49  | 42  | 37  | 47  | 40  | 36  | 44  | 39  | 35  | 42  | 37  | 32 |
|    | 9   | 59  | 46  | 39  | 34  | 57  | 45  | 38  | 33  | 43  | 37  | 33  | 41  | 36  | 32  | 39  | 34  | 29 |
|    | 10  | 55  | 43  | 36  | 31  | 53  | 42  | 35  | 30  | 40  | 34  | 30  | 38  | 33  | 29  | 36  | 32  | 26 |

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.

ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_



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DATE: 3/30/2017

**CANDELA VALUES**

| ANGLE | 0.0          |
|-------|--------------|
| 0.0   | 5151         |
| 2.5   | 5336         |
| 5.0   | 5758         |
| 7.5   | 5788         |
| 10.0  | 6087         |
| 12.5  | 6775         |
| 15.0  | 7411         |
| 17.5  | 7312         |
| 20.0  | 7369         |
| 22.5  | 7829         |
| 25.0  | <b>7957*</b> |
| 27.5  | 7847         |
| 30.0  | 7899         |
| 32.5  | 7774         |
| 35.0  | 6825         |
| 37.5  | 5795         |
| 40.0  | 4688         |
| 42.5  | 3354         |
| 45.0  | 2567         |
| 47.5  | 2059         |
| 50.0  | 1682         |
| 52.5  | 1451         |
| 55.0  | 1340         |
| 57.5  | 1252         |
| 60.0  | 1165         |
| 62.5  | 1095         |
| 65.0  | 1027         |
| 67.5  | 959          |
| 70.0  | 896          |
| 72.5  | 832          |
| 75.0  | 772          |
| 77.5  | 717          |
| 80.0  | 664          |
| 82.5  | 618          |
| 85.0  | 580          |
| 87.5  | 546          |
| 90.0  | 517          |
| 92.5  | 495          |
| 95.0  | 481          |
| 97.5  | 471          |
| 100.0 | 464          |
| 102.5 | 462          |
| 105.0 | 461          |
| 107.5 | 459          |
| 110.0 | 457          |
| 112.5 | 454          |
| 115.0 | 450          |
| 117.5 | 445          |
| 120.0 | 440          |
| 122.5 | 436          |
| 125.0 | 430          |
| 127.5 | 425          |
| 130.0 | 421          |
| 132.5 | 418          |
| 135.0 | 415          |
| 137.5 | 412          |
| 140.0 | 412          |
| 142.5 | 413          |
| 145.0 | 417          |
| 147.5 | 424          |
| 150.0 | 431          |
| 152.5 | 440          |
| 155.0 | 450          |
| 157.5 | 457          |
| 160.0 | 465          |
| 162.5 | 465          |
| 165.0 | 457          |
| 167.5 | 444          |
| 170.0 | 420          |
| 172.5 | 387          |
| 175.0 | 388          |
| 177.5 | 403          |
| 180.0 | 410          |

\*MAXIMUM CANDELA VALUE