

## Photometric Test Report

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : L082210901R01.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L082210901R01  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 8/17/2022  
 [MANUFAC] Bartco Lighting, Inc.  
 [LUMCAT] BSS722-45-35-ND-1-R1-NA-WM-SN-AW (UP)  
 [LUMINAIRE] 2-1/4 Tall Mullion Mount LED Luminaire  
 [BALLASTCAT] ADVANCE XI040C110V054BST2  
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
 [INPUT] 120VAC  
 [TEST PROCEDURE] IESNA:LM-79-08

**CHARACTERISTICS**

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 3166            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 111             |
| Total Luminaire Watts           | 28.56           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | Indirect        |
| Spacing Criterion (0-180)       | N.A.            |
| Spacing Criterion (90-270)      | N.A.            |
| Spacing Criterion (Diagonal)    | N.A.            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 0.17 ft         |
| Luminous Width (90-270)         | 3.67 ft         |
| Luminous Height                 | 0.00 ft         |

**LUMINANCE DATA (cd/sq.m)**

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 0                | 0                 | 0                 |
| 55                  | 0                | 0                 | 0                 |
| 65                  | 0                | 0                 | 0                 |
| 75                  | 0                | 0                 | 0                 |
| 85                  | 0                | 0                 | 0                 |

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**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 0.00    | N.A.  | 0.00   |
| 0-30    | 0.00    | N.A.  | 0.00   |
| 0-40    | 0.00    | N.A.  | 0.00   |
| 0-60    | 0.00    | N.A.  | 0.00   |
| 0-80    | 0.00    | N.A.  | 0.00   |
| 0-90    | 0.00    | N.A.  | 0.00   |
| 10-90   | 0.00    | N.A.  | 0.00   |
| 20-40   | 0.00    | N.A.  | 0.00   |
| 20-50   | 0.00    | N.A.  | 0.00   |
| 40-70   | 0.00    | N.A.  | 0.00   |
| 60-80   | 0.00    | N.A.  | 0.00   |
| 70-80   | 0.00    | N.A.  | 0.00   |
| 80-90   | 0.00    | N.A.  | 0.00   |
| 90-110  | 288.90  | N.A.  | 9.10   |
| 90-120  | 759.76  | N.A.  | 24.00  |
| 90-130  | 1359.05 | N.A.  | 42.90  |
| 90-150  | 2515.44 | N.A.  | 79.40  |
| 90-180  | 3166.16 | N.A.  | 100.00 |
| 110-180 | 2877.26 | N.A.  | 90.90  |
| 0-180   | 3166.16 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 0.00   |
| 10-20   | 0.00   |
| 20-30   | 0.00   |
| 30-40   | 0.00   |
| 40-50   | 0.00   |
| 50-60   | 0.00   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 90-100  | 49.58  |
| 100-110 | 239.32 |
| 110-120 | 470.85 |
| 120-130 | 599.29 |
| 130-140 | 619.17 |
| 140-150 | 537.22 |
| 150-160 | 388.32 |
| 160-170 | 207.67 |
| 170-180 | 54.73  |

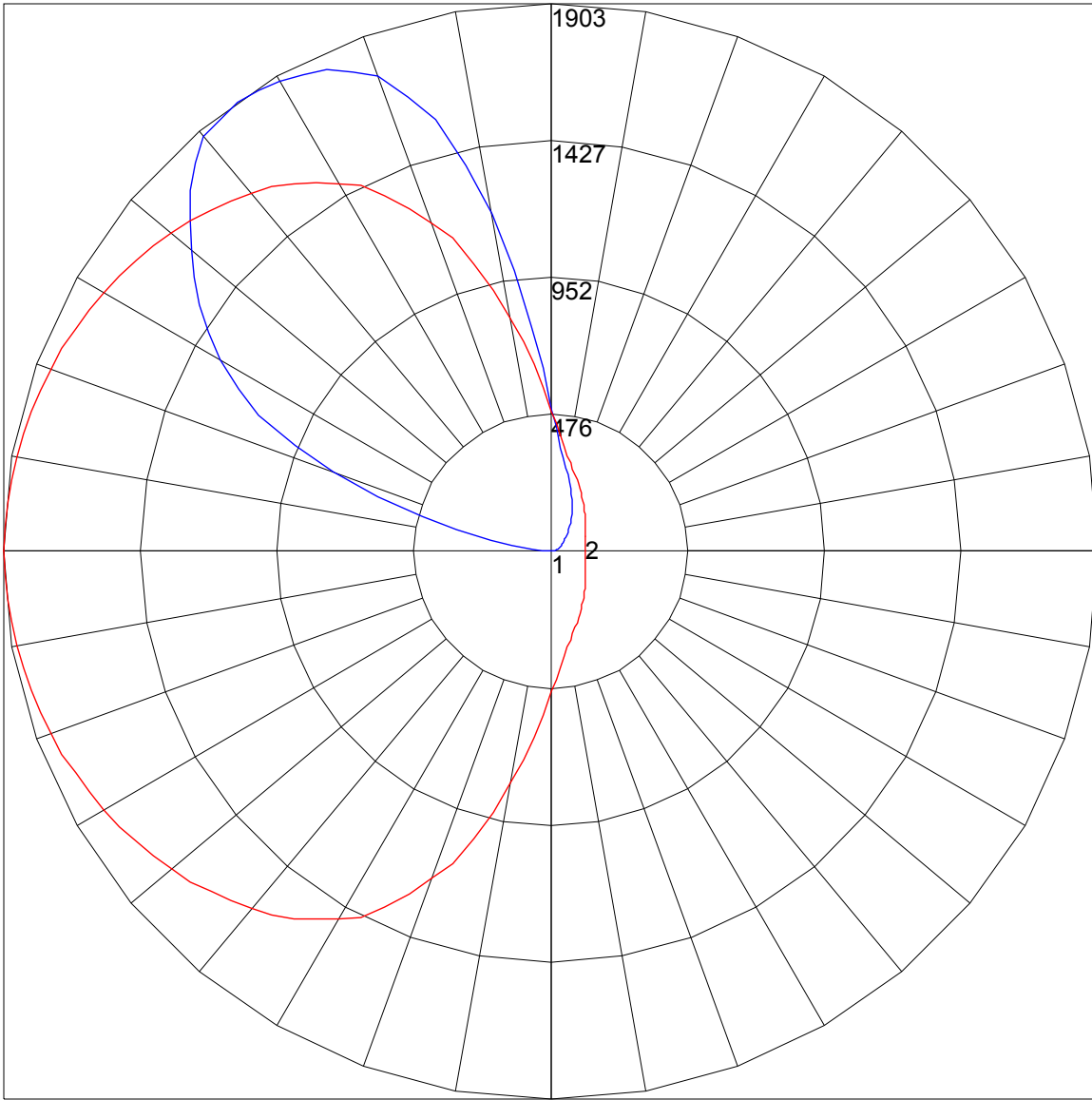
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 |   |
| 0  | 95 | 95 | 95 | 95 | 81 | 81 | 81 | 81 | 56 | 56 | 56 | 32 | 32 | 32 | 10 | 10 | 10 | 0 |
| 1  | 87 | 83 | 79 | 76 | 74 | 71 | 68 | 65 | 48 | 47 | 45 | 28 | 27 | 26 | 9  | 9  | 8  | 0 |
| 2  | 79 | 72 | 66 | 62 | 67 | 62 | 57 | 53 | 42 | 40 | 37 | 24 | 23 | 22 | 8  | 7  | 7  | 0 |
| 3  | 72 | 63 | 56 | 51 | 61 | 54 | 49 | 44 | 37 | 34 | 31 | 21 | 20 | 18 | 7  | 6  | 6  | 0 |
| 4  | 65 | 56 | 48 | 43 | 56 | 48 | 42 | 37 | 33 | 29 | 26 | 19 | 17 | 16 | 6  | 6  | 5  | 0 |
| 5  | 60 | 49 | 42 | 36 | 51 | 42 | 36 | 32 | 29 | 25 | 22 | 17 | 15 | 13 | 5  | 5  | 4  | 0 |
| 6  | 55 | 44 | 36 | 31 | 47 | 38 | 32 | 27 | 26 | 22 | 19 | 15 | 13 | 11 | 5  | 4  | 4  | 0 |
| 7  | 50 | 39 | 32 | 27 | 43 | 34 | 28 | 23 | 23 | 19 | 17 | 14 | 11 | 10 | 4  | 4  | 3  | 0 |
| 8  | 47 | 35 | 28 | 23 | 40 | 30 | 24 | 20 | 21 | 17 | 14 | 12 | 10 | 9  | 4  | 3  | 3  | 0 |
| 9  | 43 | 32 | 25 | 20 | 37 | 28 | 22 | 18 | 19 | 15 | 13 | 11 | 9  | 8  | 4  | 3  | 3  | 0 |
| 10 | 40 | 29 | 22 | 18 | 34 | 25 | 19 | 16 | 17 | 14 | 11 | 10 | 8  | 7  | 3  | 3  | 2  | 0 |

POLAR GRAPH



Maximum Candela = 1903 Located At Horizontal Angle = 180, Vertical Angle = 145  
# 1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (145) (Through Max. Cd.)