



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-P29-835-DIM-POE-OW-OF-CS.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]GEN from BALLABS TEST NO. 20687.0

[TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC

[ISSUE DATE] 12-DEC-2018

[MANUFAC] WILLIAMS INDOOR

[OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO

[LUMINAIRE] 1 BRIDGELUX V13 LED 6"RND RECESSED CAST HOUSING DOWNLIGHT

[MORE] OPEN SEMI-SPEC SPUN ALUMINUM REFLECTOR (WIDE)

[LUMCAT] 6DR-TL-P29-835-DIM-POE-OW-OF-CS

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3106 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 124 |
| Total Luminaire Watts | 25 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.26 |
| Spacing Criterion (90-270) | 1.26 |
| Spacing Criterion (Diagonal) | 0.98 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.48 ft (Diameter) |
| Luminous Width (90-270) | 0.48 ft (Diameter) |
| Luminous Height | 0.00 ft |

LUMINANCE DATA (cd/sq.m)

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45 | 5753 | 5753 | 5753 |
| 55 | 2004 | 2004 | 2004 |
| 65 | 419 | 419 | 419 |
| 75 | 0 | 0 | 0 |
| 85 | 0 | 0 | 0 |

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CANDELA TABULATION

| | <u>0</u> |
|----|----------|
| 0 | 2477.904 |
| 5 | 2340.078 |
| 10 | 2575.716 |
| 15 | 2571.270 |
| 20 | 2685.384 |
| 25 | 2937.324 |
| 30 | 2885.454 |
| 35 | 895.128 |
| 40 | 123.006 |
| 45 | 68.172 |
| 50 | 40.014 |
| 55 | 19.266 |
| 60 | 10.374 |
| 65 | 2.964 |
| 70 | 0.000 |
| 75 | 0.000 |
| 80 | 0.000 |
| 85 | 0.000 |
| 90 | 0.000 |

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ZONAL LUMEN SUMMARY

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 971.99 | N.A. | 31.30 |
| 0-30 | 2298.58 | N.A. | 74.00 |
| 0-40 | 3025.17 | N.A. | 97.40 |
| 0-60 | 3102.17 | N.A. | 99.90 |
| 0-80 | 3106.16 | N.A. | 100.00 |
| 0-90 | 3106.16 | N.A. | 100.00 |
| 10-90 | 2872.71 | N.A. | 92.50 |
| 20-40 | 2053.18 | N.A. | 66.10 |
| 20-50 | 2110.44 | N.A. | 67.90 |
| 40-70 | 80.99 | N.A. | 2.60 |
| 60-80 | 3.99 | N.A. | 0.10 |
| 70-80 | 0.00 | N.A. | 0.00 |
| 80-90 | 0.00 | N.A. | 0.00 |
| 90-110 | 0.00 | N.A. | 0.00 |
| 90-120 | 0.00 | N.A. | 0.00 |
| 90-130 | 0.00 | N.A. | 0.00 |
| 90-150 | 0.00 | N.A. | 0.00 |
| 90-180 | 0.00 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 3106.16 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 233.45 |
| 10-20 | 738.54 |
| 20-30 | 1326.6 |
| 30-40 | 726.59 |
| 40-50 | 57.26 |
| 50-60 | 19.74 |
| 60-70 | 3.99 |
| 70-80 | 0.00 |
| 80-90 | 0.00 |
| 90-100 | 0.00 |
| 100-110 | 0.00 |
| 110-120 | 0.00 |
| 120-130 | 0.00 |
| 130-140 | 0.00 |
| 140-150 | 0.00 |
| 150-160 | 0.00 |
| 160-170 | 0.00 |
| 170-180 | 0.00 |

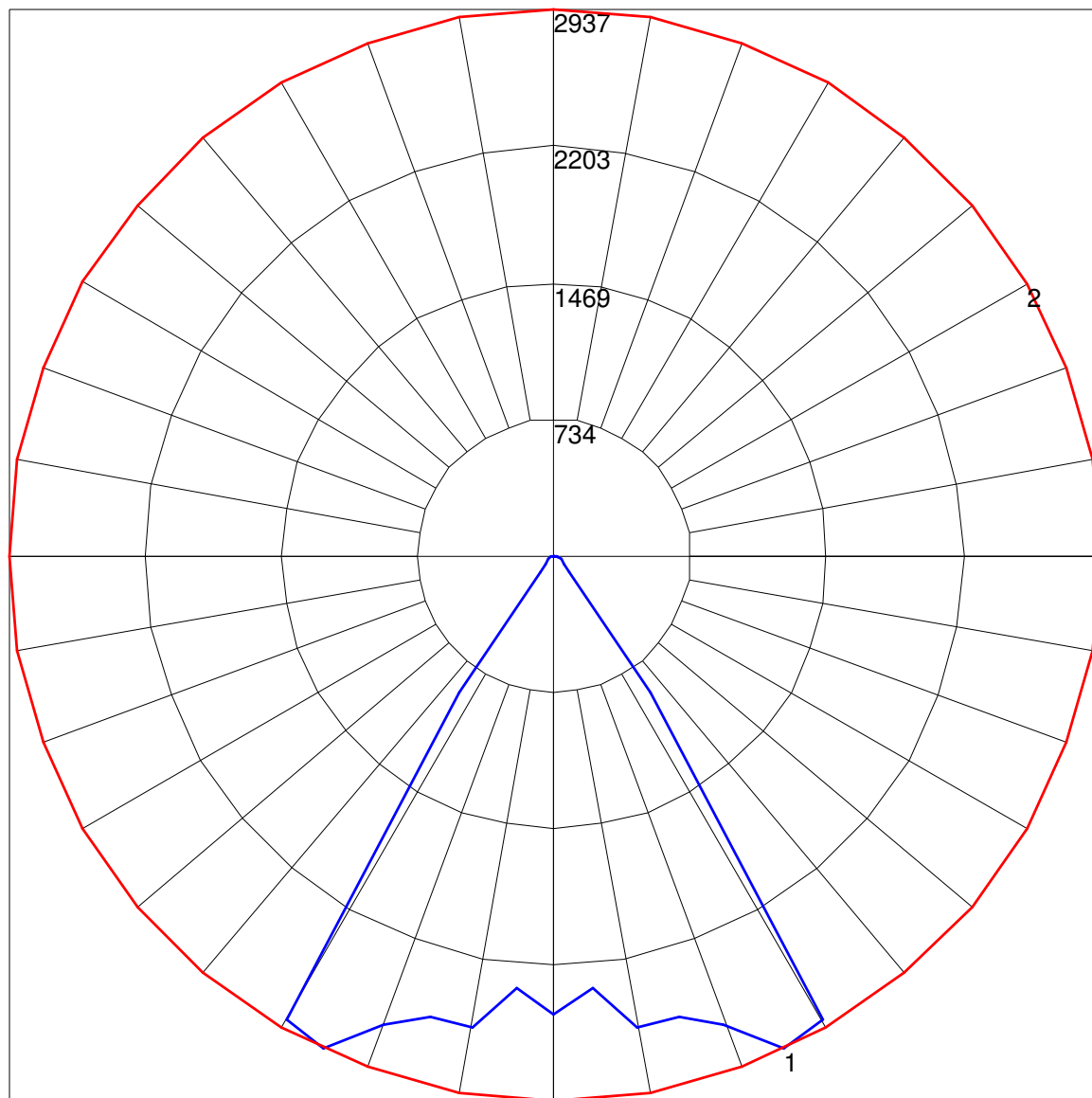
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 | 10 | 0 |
| 0 | 176 | 176 | 176 | 176 | 172 | 172 | 172 | 172 | 165 | 165 | 165 | 158 | 158 | 158 | 151 | 151 | 151 | 148 |
| 1 | 168 | 164 | 161 | 157 | 165 | 161 | 158 | 155 | 155 | 152 | 150 | 149 | 147 | 145 | 144 | 143 | 141 | 139 |
| 2 | 160 | 153 | 147 | 142 | 157 | 150 | 145 | 140 | 145 | 141 | 137 | 141 | 137 | 134 | 137 | 134 | 131 | 129 |
| 3 | 152 | 142 | 135 | 129 | 149 | 140 | 134 | 128 | 136 | 131 | 126 | 133 | 128 | 124 | 130 | 126 | 122 | 120 |
| 4 | 144 | 133 | 125 | 118 | 141 | 131 | 124 | 118 | 128 | 122 | 116 | 125 | 119 | 115 | 122 | 118 | 114 | 111 |
| 5 | 137 | 124 | 116 | 109 | 134 | 123 | 115 | 109 | 120 | 113 | 108 | 118 | 112 | 107 | 115 | 110 | 106 | 104 |
| 6 | 130 | 116 | 107 | 101 | 127 | 115 | 107 | 101 | 113 | 106 | 100 | 111 | 104 | 99 | 109 | 103 | 99 | 96 |
| 7 | 123 | 109 | 100 | 94 | 121 | 108 | 100 | 94 | 106 | 99 | 93 | 104 | 98 | 93 | 103 | 97 | 92 | 90 |
| 8 | 117 | 102 | 93 | 87 | 115 | 102 | 93 | 87 | 100 | 92 | 87 | 98 | 91 | 86 | 97 | 91 | 86 | 84 |
| 9 | 111 | 96 | 87 | 81 | 109 | 96 | 87 | 81 | 94 | 86 | 81 | 93 | 86 | 81 | 92 | 85 | 80 | 78 |
| 10 | 105 | 91 | 82 | 76 | 104 | 90 | 82 | 76 | 89 | 81 | 76 | 88 | 81 | 76 | 87 | 80 | 75 | 74 |

POLAR GRAPH



Maximum Candela = 2937.324 Located At Horizontal Angle = 0, Vertical Angle = 25

1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (25) (Through Max. Cd.)