



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6DR-TL-L10-835-DIM-UNV-RN-OF-BL\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST]GEN FROM 12326812.15  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUE DATE] 06-18-2020  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] 6DR-TL-L10-835-DIM-UNV-RN-OF-BL  
 [LUMINAIRE] Black formed aluminum housing, clear plas  
 [MORE] tic optic, clear glass patterned lens enclosure  
 [LAMP] One white LED  
 [ \_SEARCH\_SOURCETYPE] LED  
 [ \_SEARCH\_APPLICATION] Indoor, Architectural, Classroom, Commercial, Healthcare, Office, Downlight  
 [ \_SEARCH\_MOUNTING] Recessed

### CHARACTERISTICS

|                                 |                    |
|---------------------------------|--------------------|
| Lumens Per Lamp                 | N.A. (absolute)    |
| Total Lamp Lumens               | N.A. (absolute)    |
| Luminaire Lumens                | 709                |
| Total Luminaire Efficiency      | N.A.               |
| Luminaire Efficacy Rating (LER) | 81                 |
| Total Luminaire Watts           | 8.7                |
| Ballast Factor                  | 1.00               |
| CIE Type                        | Direct             |
| Spacing Criterion (0-180)       | 0.44               |
| Spacing Criterion (90-270)      | 0.44               |
| Spacing Criterion (Diagonal)    | 0.46               |
| 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<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 2320             | 2320              | 2320              |
| 55                  | 1518             | 1518              | 1518              |
| 65                  | 1033             | 1033              | 1033              |
| 75                  | 667              | 667               | 667               |
| 85                  | 535              | 535               | 535               |

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CANDELA TABULATION

|      | <u>0</u> |
|------|----------|
| 0.0  | 2631.551 |
| 0.5  | 2629.205 |
| 1.0  | 2621.774 |
| 1.5  | 2608.869 |
| 2.0  | 2590.879 |
| 2.5  | 2567.415 |
| 3.0  | 2539.257 |
| 3.5  | 2506.798 |
| 4.0  | 2470.428 |
| 4.5  | 2429.756 |
| 5.0  | 2385.564 |
| 5.5  | 2337.071 |
| 6.0  | 2284.667 |
| 6.5  | 2229.134 |
| 7.0  | 2170.472 |
| 7.5  | 2108.682 |
| 8.0  | 2044.155 |
| 8.5  | 1977.281 |
| 9.0  | 1907.669 |
| 9.5  | 1836.493 |
| 10.0 | 1763.362 |
| 10.5 | 1689.840 |
| 11.0 | 1615.535 |
| 11.5 | 1540.840 |
| 12.0 | 1466.535 |
| 12.5 | 1392.231 |
| 13.0 | 1319.491 |
| 13.5 | 1246.751 |
| 14.0 | 1176.357 |
| 14.5 | 1107.919 |
| 15.0 | 1041.045 |
| 15.5 | 977.299  |
| 16.0 | 916.682  |
| 16.5 | 859.194  |
| 17.0 | 803.661  |
| 17.5 | 750.866  |
| 18.0 | 700.808  |
| 18.5 | 654.270  |
| 19.0 | 610.079  |
| 19.5 | 570.189  |
| 20.0 | 531.081  |
| 20.5 | 494.320  |
| 21.0 | 460.297  |
| 21.5 | 428.619  |
| 22.0 | 398.507  |
| 22.5 | 370.193  |
| 23.0 | 343.912  |
| 23.5 | 319.470  |
| 24.0 | 296.670  |
| 24.5 | 275.435  |
| 25.0 | 255.686  |
| 25.5 | 237.383  |
| 26.0 | 220.489  |
| 26.5 | 204.807  |

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**CANDELA TABULATION - (Cont.)**

|      |         |
|------|---------|
| 27.0 | 190.337 |
| 27.5 | 177.040 |
| 28.0 | 164.799 |
| 28.5 | 153.536 |
| 29.0 | 143.173 |
| 29.5 | 133.670 |
| 30.0 | 124.871 |
| 30.5 | 116.814 |
| 31.0 | 109.423 |
| 31.5 | 102.579 |
| 32.0 | 96.283  |
| 32.5 | 90.456  |
| 33.0 | 85.098  |
| 33.5 | 80.131  |
| 34.0 | 75.556  |
| 34.5 | 71.293  |
| 35.0 | 67.343  |
| 35.5 | 63.706  |
| 36.0 | 60.343  |
| 36.5 | 57.175  |
| 37.0 | 54.281  |
| 37.5 | 51.544  |
| 38.0 | 49.041  |
| 38.5 | 46.734  |
| 39.0 | 44.583  |
| 39.5 | 42.549  |
| 40.0 | 40.711  |
| 40.5 | 38.951  |
| 41.0 | 37.348  |
| 41.5 | 35.823  |
| 42.0 | 34.415  |
| 42.5 | 33.085  |
| 43.0 | 31.834  |
| 43.5 | 30.660  |
| 44.0 | 29.526  |
| 44.5 | 28.470  |
| 45.0 | 27.493  |
| 45.5 | 26.554  |
| 46.0 | 25.655  |
| 46.5 | 24.794  |
| 47.0 | 23.973  |
| 47.5 | 23.152  |
| 48.0 | 22.409  |
| 48.5 | 21.666  |
| 49.0 | 21.001  |
| 49.5 | 20.336  |
| 50.0 | 19.710  |
| 50.5 | 19.085  |
| 51.0 | 18.498  |
| 51.5 | 17.950  |
| 52.0 | 17.403  |
| 52.5 | 16.894  |
| 53.0 | 16.386  |
| 53.5 | 15.917  |
| 54.0 | 15.448  |
| 54.5 | 15.017  |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|      |        |
|------|--------|
| 55.0 | 14.587 |
| 55.5 | 14.157 |
| 56.0 | 13.766 |
| 56.5 | 13.375 |
| 57.0 | 12.945 |
| 57.5 | 12.554 |
| 58.0 | 12.202 |
| 58.5 | 11.810 |
| 59.0 | 11.459 |
| 59.5 | 11.067 |
| 60.0 | 10.715 |
| 60.5 | 10.324 |
| 61.0 | 9.972  |
| 61.5 | 9.620  |
| 62.0 | 9.269  |
| 62.5 | 8.956  |
| 63.0 | 8.604  |
| 63.5 | 8.291  |
| 64.0 | 7.939  |
| 64.5 | 7.626  |
| 65.0 | 7.313  |
| 65.5 | 7.000  |
| 66.0 | 6.727  |
| 66.5 | 6.453  |
| 67.0 | 6.179  |
| 67.5 | 5.905  |
| 68.0 | 5.631  |
| 68.5 | 5.397  |
| 69.0 | 5.162  |
| 69.5 | 4.928  |
| 70.0 | 4.693  |
| 70.5 | 4.497  |
| 71.0 | 4.263  |
| 71.5 | 4.067  |
| 72.0 | 3.872  |
| 72.5 | 3.676  |
| 73.0 | 3.520  |
| 73.5 | 3.363  |
| 74.0 | 3.207  |
| 74.5 | 3.050  |
| 75.0 | 2.894  |
| 75.5 | 2.738  |
| 76.0 | 2.620  |
| 76.5 | 2.503  |
| 77.0 | 2.386  |
| 77.5 | 2.268  |
| 78.0 | 2.151  |
| 78.5 | 2.073  |
| 79.0 | 1.955  |
| 79.5 | 1.838  |
| 80.0 | 1.760  |
| 80.5 | 1.643  |
| 81.0 | 1.525  |
| 81.5 | 1.447  |
| 82.0 | 1.330  |
| 82.5 | 1.251  |

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

|       |       |
|-------|-------|
| 83.0  | 1.173 |
| 83.5  | 1.056 |
| 84.0  | 0.978 |
| 84.5  | 0.860 |
| 85.0  | 0.782 |
| 85.5  | 0.704 |
| 86.0  | 0.626 |
| 86.5  | 0.548 |
| 87.0  | 0.469 |
| 87.5  | 0.391 |
| 88.0  | 0.313 |
| 88.5  | 0.235 |
| 89.0  | 0.196 |
| 89.5  | 0.156 |
| 90.0  | 0.117 |
| 90.5  | 0.000 |
| 91.0  | 0.000 |
| 91.5  | 0.000 |
| 92.0  | 0.000 |
| 92.5  | 0.000 |
| 93.0  | 0.000 |
| 93.5  | 0.000 |
| 94.0  | 0.000 |
| 94.5  | 0.000 |
| 95.0  | 0.000 |
| 95.5  | 0.000 |
| 96.0  | 0.000 |
| 96.5  | 0.000 |
| 97.0  | 0.000 |
| 97.5  | 0.000 |
| 98.0  | 0.000 |
| 98.5  | 0.000 |
| 99.0  | 0.000 |
| 99.5  | 0.000 |
| 100.0 | 0.000 |
| 100.5 | 0.000 |
| 101.0 | 0.000 |
| 101.5 | 0.000 |
| 102.0 | 0.000 |
| 102.5 | 0.000 |
| 103.0 | 0.000 |
| 103.5 | 0.000 |
| 104.0 | 0.000 |
| 104.5 | 0.000 |
| 105.0 | 0.000 |
| 105.5 | 0.000 |
| 106.0 | 0.000 |
| 106.5 | 0.000 |
| 107.0 | 0.000 |
| 107.5 | 0.000 |
| 108.0 | 0.000 |
| 108.5 | 0.000 |
| 109.0 | 0.000 |
| 109.5 | 0.000 |
| 110.0 | 0.000 |
| 110.5 | 0.000 |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : 6DR-TL-L10-835-DIM-UNV-RN-OF-BL\_.IES

CANDELA TABULATION - (Cont.)

|       |       |
|-------|-------|
| 111.0 | 0.000 |
| 111.5 | 0.000 |
| 112.0 | 0.000 |
| 112.5 | 0.000 |
| 113.0 | 0.000 |
| 113.5 | 0.000 |
| 114.0 | 0.000 |
| 114.5 | 0.000 |
| 115.0 | 0.000 |
| 115.5 | 0.000 |
| 116.0 | 0.000 |
| 116.5 | 0.000 |
| 117.0 | 0.000 |
| 117.5 | 0.000 |
| 118.0 | 0.000 |
| 118.5 | 0.000 |
| 119.0 | 0.000 |
| 119.5 | 0.000 |
| 120.0 | 0.000 |
| 120.5 | 0.000 |
| 121.0 | 0.000 |
| 121.5 | 0.000 |
| 122.0 | 0.000 |
| 122.5 | 0.000 |
| 123.0 | 0.000 |
| 123.5 | 0.000 |
| 124.0 | 0.000 |
| 124.5 | 0.000 |
| 125.0 | 0.000 |
| 125.5 | 0.000 |
| 126.0 | 0.000 |
| 126.5 | 0.000 |
| 127.0 | 0.000 |
| 127.5 | 0.000 |
| 128.0 | 0.000 |
| 128.5 | 0.000 |
| 129.0 | 0.000 |
| 129.5 | 0.000 |
| 130.0 | 0.000 |
| 130.5 | 0.000 |
| 131.0 | 0.000 |
| 131.5 | 0.000 |
| 132.0 | 0.000 |
| 132.5 | 0.000 |
| 133.0 | 0.000 |
| 133.5 | 0.000 |
| 134.0 | 0.000 |
| 134.5 | 0.000 |
| 135.0 | 0.000 |
| 135.5 | 0.000 |
| 136.0 | 0.000 |
| 136.5 | 0.000 |
| 137.0 | 0.000 |
| 137.5 | 0.000 |
| 138.0 | 0.000 |
| 138.5 | 0.000 |

IES INDOOR REPORT  
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CANDELA TABULATION - (Cont.)

|       |       |
|-------|-------|
| 139.0 | 0.000 |
| 139.5 | 0.000 |
| 140.0 | 0.000 |
| 140.5 | 0.000 |
| 141.0 | 0.000 |
| 141.5 | 0.000 |
| 142.0 | 0.000 |
| 142.5 | 0.000 |
| 143.0 | 0.000 |
| 143.5 | 0.000 |
| 144.0 | 0.000 |
| 144.5 | 0.000 |
| 145.0 | 0.000 |
| 145.5 | 0.000 |
| 146.0 | 0.000 |
| 146.5 | 0.000 |
| 147.0 | 0.000 |
| 147.5 | 0.000 |
| 148.0 | 0.000 |
| 148.5 | 0.000 |
| 149.0 | 0.000 |
| 149.5 | 0.000 |
| 150.0 | 0.000 |
| 150.5 | 0.000 |
| 151.0 | 0.000 |
| 151.5 | 0.000 |
| 152.0 | 0.000 |
| 152.5 | 0.000 |
| 153.0 | 0.000 |
| 153.5 | 0.000 |
| 154.0 | 0.000 |
| 154.5 | 0.000 |
| 155.0 | 0.000 |
| 155.5 | 0.000 |
| 156.0 | 0.000 |
| 156.5 | 0.000 |
| 157.0 | 0.000 |
| 157.5 | 0.000 |
| 158.0 | 0.000 |
| 158.5 | 0.000 |
| 159.0 | 0.000 |
| 159.5 | 0.000 |
| 160.0 | 0.000 |
| 160.5 | 0.000 |
| 161.0 | 0.000 |
| 161.5 | 0.000 |
| 162.0 | 0.000 |
| 162.5 | 0.000 |
| 163.0 | 0.000 |
| 163.5 | 0.000 |
| 164.0 | 0.000 |
| 164.5 | 0.000 |
| 165.0 | 0.000 |
| 165.5 | 0.000 |
| 166.0 | 0.000 |
| 166.5 | 0.000 |

**IES INDOOR REPORT**  
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**CANDELA TABULATION - (Cont.)**

|       |       |
|-------|-------|
| 167.0 | 0.000 |
| 167.5 | 0.000 |
| 168.0 | 0.000 |
| 168.5 | 0.000 |
| 169.0 | 0.000 |
| 169.5 | 0.000 |
| 170.0 | 0.000 |
| 170.5 | 0.000 |
| 171.0 | 0.000 |
| 171.5 | 0.000 |
| 172.0 | 0.000 |
| 172.5 | 0.000 |
| 173.0 | 0.000 |
| 173.5 | 0.000 |
| 174.0 | 0.000 |
| 174.5 | 0.000 |
| 175.0 | 0.000 |
| 175.5 | 0.000 |
| 176.0 | 0.000 |
| 176.5 | 0.000 |
| 177.0 | 0.000 |
| 177.5 | 0.000 |
| 178.0 | 0.000 |
| 178.5 | 0.000 |
| 179.0 | 0.000 |
| 179.5 | 0.000 |
| 180.0 | 0.000 |



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**ZONAL LUMEN SUMMARY**

| Zone    | Lumens | %Lamp | %Fixt  |
|---------|--------|-------|--------|
| 0-20    | 494.12 | N.A.  | 69.70  |
| 0-30    | 617.93 | N.A.  | 87.20  |
| 0-40    | 662.34 | N.A.  | 93.50  |
| 0-60    | 697.27 | N.A.  | 98.40  |
| 0-80    | 707.79 | N.A.  | 99.90  |
| 0-90    | 708.70 | N.A.  | 100.00 |
| 10-90   | 501.19 | N.A.  | 70.70  |
| 20-40   | 168.22 | N.A.  | 23.70  |
| 20-50   | 189.96 | N.A.  | 26.80  |
| 40-70   | 42.28  | N.A.  | 6.00   |
| 60-80   | 10.52  | N.A.  | 1.50   |
| 70-80   | 3.17   | N.A.  | 0.40   |
| 80-90   | 0.90   | N.A.  | 0.10   |
| 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   | 708.70 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 207.50 |
| 10-20   | 286.62 |
| 20-30   | 123.81 |
| 30-40   | 44.42  |
| 40-50   | 21.74  |
| 50-60   | 13.19  |
| 60-70   | 7.35   |
| 70-80   | 3.17   |
| 80-90   | 0.90   |
| 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  | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1  | 114 | 112 | 110 | 108 | 112 | 110 | 108 | 106 | 106 | 104 | 103 | 102 | 101 | 100 | 99  | 98  | 97  | 95  |
| 2  | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 98  | 101 | 98  | 96  | 98  | 96  | 94  | 95  | 94  | 92  | 91  |
| 3  | 106 | 100 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 91  | 94  | 92  | 89  | 92  | 90  | 88  | 87  |
| 4  | 102 | 96  | 91  | 88  | 100 | 95  | 90  | 87  | 93  | 89  | 86  | 91  | 88  | 85  | 89  | 86  | 84  | 83  |
| 5  | 98  | 91  | 87  | 83  | 97  | 91  | 86  | 83  | 89  | 85  | 82  | 87  | 84  | 82  | 86  | 83  | 81  | 80  |
| 6  | 95  | 88  | 83  | 80  | 93  | 87  | 82  | 79  | 86  | 82  | 79  | 84  | 81  | 78  | 83  | 80  | 78  | 77  |
| 7  | 92  | 84  | 80  | 76  | 90  | 84  | 79  | 76  | 83  | 79  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  |
| 8  | 89  | 81  | 77  | 73  | 88  | 81  | 76  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 72  | 71  |
| 9  | 86  | 78  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 70  | 76  | 73  | 70  | 76  | 72  | 70  | 69  |
| 10 | 83  | 76  | 71  | 68  | 83  | 75  | 71  | 68  | 75  | 71  | 68  | 74  | 70  | 68  | 73  | 70  | 68  | 67  |

**IES INDOOR REPORT**  
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**UGR TABLE - CORRECTED**

Reflectances

|                |    |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|----|
| Ceiling Cavity | 70 | 70 | 50 | 50 | 30 | 70 | 70 | 50 | 50 | 30 |
| Walls          | 50 | 30 | 50 | 30 | 30 | 50 | 30 | 50 | 30 | 30 |
| Floor Cavity   | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |

Room Size      UGR Viewed Crosswise

|      |      |     |     |     |     |     |     |     |     |     |     |
|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| X=2H | Y=2H | 5.6 | 6.5 | 5.9 | 6.8 | 7.2 | 5.6 | 6.5 | 5.9 | 6.8 | 7.2 |
|      | 3H   | 6.4 | 7.3 | 6.8 | 7.6 | 8.0 | 6.4 | 7.3 | 6.8 | 7.6 | 8.0 |
|      | 4H   | 6.7 | 7.5 | 7.1 | 7.8 | 8.2 | 6.7 | 7.5 | 7.1 | 7.8 | 8.2 |
|      | 6H   | 6.8 | 7.6 | 7.3 | 7.9 | 8.3 | 6.8 | 7.6 | 7.3 | 7.9 | 8.3 |
|      | 8H   | 6.9 | 7.6 | 7.3 | 8.0 | 8.4 | 6.9 | 7.6 | 7.3 | 8.0 | 8.4 |
|      | 12H  | 6.9 | 7.6 | 7.4 | 7.9 | 8.4 | 6.9 | 7.6 | 7.4 | 7.9 | 8.4 |

UGR Viewed Endwise

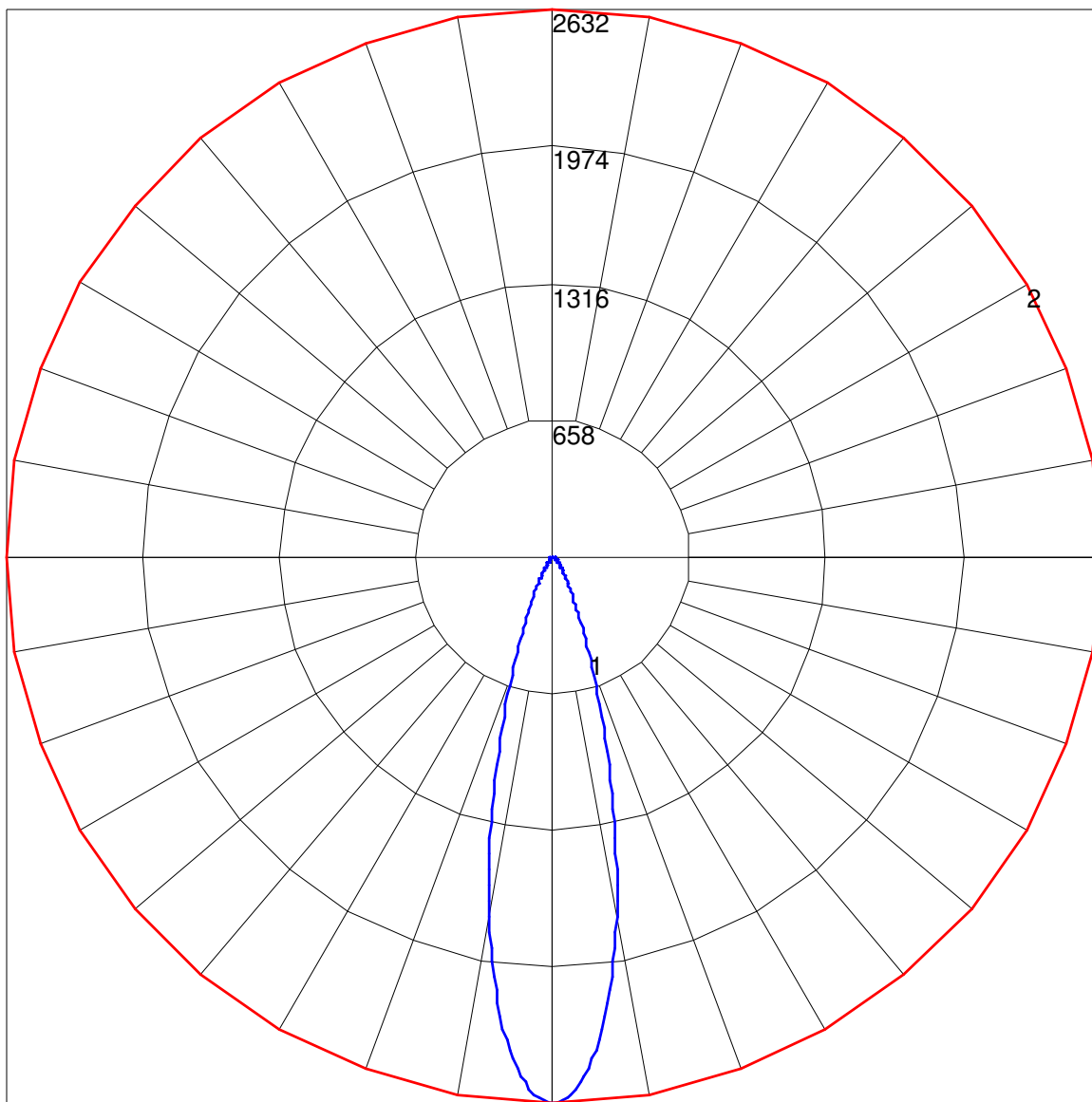
|    |     |     |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 4H | 2H  | 5.8 | 6.6 | 6.2 | 6.9 | 7.3 | 5.8 | 6.6 | 6.2 | 6.9 | 7.3 |
|    | 3H  | 6.8 | 7.5 | 7.2 | 7.9 | 8.3 | 6.8 | 7.5 | 7.2 | 7.9 | 8.3 |
|    | 4H  | 7.2 | 7.7 | 7.6 | 8.1 | 8.6 | 7.2 | 7.7 | 7.6 | 8.1 | 8.6 |
|    | 6H  | 7.4 | 7.9 | 7.9 | 8.3 | 8.8 | 7.4 | 7.9 | 7.9 | 8.3 | 8.8 |
|    | 8H  | 7.5 | 7.9 | 8.0 | 8.4 | 8.9 | 7.5 | 7.9 | 8.0 | 8.4 | 8.9 |
|    | 12H | 7.5 | 7.9 | 8.0 | 8.4 | 8.9 | 7.5 | 7.9 | 8.0 | 8.4 | 8.9 |

|    |     |     |     |     |     |     |     |     |     |     |     |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 8H | 4H  | 7.2 | 7.6 | 7.7 | 8.1 | 8.6 | 7.2 | 7.6 | 7.7 | 8.1 | 8.6 |
|    | 6H  | 7.5 | 7.9 | 8.1 | 8.4 | 8.9 | 7.5 | 7.9 | 8.1 | 8.4 | 8.9 |
|    | 8H  | 7.7 | 8.0 | 8.2 | 8.5 | 9.0 | 7.7 | 8.0 | 8.2 | 8.5 | 9.0 |
|    | 12H | 7.8 | 8.1 | 8.3 | 8.6 | 9.1 | 7.8 | 8.1 | 8.3 | 8.6 | 9.1 |

|     |    |     |     |     |     |     |     |     |     |     |     |
|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 12H | 4H | 7.2 | 7.5 | 7.6 | 8.0 | 8.5 | 7.2 | 7.5 | 7.6 | 8.0 | 8.5 |
|     | 6H | 7.5 | 7.9 | 8.1 | 8.3 | 8.9 | 7.5 | 7.9 | 8.1 | 8.3 | 8.9 |
|     | 8H | 7.7 | 8.0 | 8.2 | 8.5 | 9.1 | 7.7 | 8.0 | 8.2 | 8.5 | 9.1 |

Maximum UGR = 9.1

POLAR GRAPH



Maximum Candela = 2631.551 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)