



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] GEN FROM 12326812.12  
 [TESTLAB] UL Verification Services Inc.  
 [ISSUEDATE] AUGUST 2022  
 [MANUFAC] WILLIAMS INDOOR  
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
 [LUMCAT] HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH  
 [LUMINAIRE] Black formed aluminum housing, white reflector, clear glas  
 [MORE] s 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                | 5690               |
| Total Luminaire Efficiency      | N.A.               |
| Luminaire Efficacy Rating (LER) | 75                 |
| Total Luminaire Watts           | 76.1               |
| Ballast Factor                  | 1.00               |
| CIE Type                        | Direct             |
| Spacing Criterion (0-180)       | 1.04               |
| Spacing Criterion (90-270)      | 1.04               |
| Spacing Criterion (Diagonal)    | 0.94               |
| 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                  | 76820            | 76820             | 76820             |
| 55                  | 64064            | 64064             | 64064             |
| 65                  | 45197            | 45197             | 45197             |
| 75                  | 27687            | 27687             | 27687             |
| 85                  | 21835            | 21835             | 21835             |

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CANDELA TABULATION

|      | <u>0</u> |
|------|----------|
| 0.0  | 4208.679 |
| 0.5  | 4204.742 |
| 1.0  | 4200.805 |
| 1.5  | 4196.868 |
| 2.0  | 4188.994 |
| 2.5  | 4177.183 |
| 3.0  | 4165.372 |
| 3.5  | 4149.623 |
| 4.0  | 4133.875 |
| 4.5  | 4122.064 |
| 5.0  | 4106.316 |
| 5.5  | 4090.568 |
| 6.0  | 4074.820 |
| 6.5  | 4059.072 |
| 7.0  | 4043.324 |
| 7.5  | 4027.576 |
| 8.0  | 4007.891 |
| 8.5  | 3992.142 |
| 9.0  | 3976.394 |
| 9.5  | 3956.709 |
| 10.0 | 3940.961 |
| 10.5 | 3921.670 |
| 11.0 | 3902.772 |
| 11.5 | 3883.874 |
| 12.0 | 3864.977 |
| 12.5 | 3846.473 |
| 13.0 | 3827.575 |
| 13.5 | 3807.890 |
| 14.0 | 3788.598 |
| 14.5 | 3769.701 |
| 15.0 | 3751.984 |
| 15.5 | 3733.874 |
| 16.0 | 3716.157 |
| 16.5 | 3698.834 |
| 17.0 | 3682.692 |
| 17.5 | 3666.551 |
| 18.0 | 3650.802 |
| 18.5 | 3635.842 |
| 19.0 | 3620.881 |
| 19.5 | 3605.527 |
| 20.0 | 3589.779 |
| 20.5 | 3572.849 |
| 21.0 | 3553.558 |
| 21.5 | 3531.511 |
| 22.0 | 3506.707 |
| 22.5 | 3479.148 |
| 23.0 | 3449.227 |
| 23.5 | 3415.368 |
| 24.0 | 3378.360 |
| 24.5 | 3337.809 |
| 25.0 | 3292.927 |
| 25.5 | 3244.502 |
| 26.0 | 3190.564 |
| 26.5 | 3131.509 |

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CANDELA TABULATION - (Cont.)

|      |          |
|------|----------|
| 27.0 | 3068.517 |
| 27.5 | 3000.012 |
| 28.0 | 2927.177 |
| 28.5 | 2848.043 |
| 29.0 | 2764.578 |
| 29.5 | 2674.027 |
| 30.0 | 2577.963 |
| 30.5 | 2476.388 |
| 31.0 | 2370.876 |
| 31.5 | 2263.001 |
| 32.0 | 2153.158 |
| 32.5 | 2044.103 |
| 33.0 | 1936.228 |
| 33.5 | 1831.897 |
| 34.0 | 1731.897 |
| 34.5 | 1637.802 |
| 35.0 | 1551.975 |
| 35.5 | 1473.234 |
| 36.0 | 1403.943 |
| 36.5 | 1342.525 |
| 37.0 | 1288.588 |
| 37.5 | 1242.525 |
| 38.0 | 1201.973 |
| 38.5 | 1166.147 |
| 39.0 | 1135.044 |
| 39.5 | 1107.485 |
| 40.0 | 1082.288 |
| 40.5 | 1059.453 |
| 41.0 | 1038.193 |
| 41.5 | 1018.902 |
| 42.0 | 1001.185 |
| 42.5 | 984.256  |
| 43.0 | 968.114  |
| 43.5 | 952.760  |
| 44.0 | 938.193  |
| 44.5 | 924.413  |
| 45.0 | 910.240  |
| 45.5 | 896.854  |
| 46.0 | 883.075  |
| 46.5 | 869.689  |
| 47.0 | 855.909  |
| 47.5 | 842.129  |
| 48.0 | 827.956  |
| 48.5 | 813.783  |
| 49.0 | 800.397  |
| 49.5 | 786.617  |
| 50.0 | 772.050  |
| 50.5 | 757.090  |
| 51.0 | 741.735  |
| 51.5 | 726.381  |
| 52.0 | 711.027  |
| 52.5 | 695.278  |
| 53.0 | 679.924  |
| 53.5 | 664.963  |
| 54.0 | 648.428  |
| 54.5 | 631.892  |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH\_.IES**

**CANDELA TABULATION - (Cont.)**

|      |         |
|------|---------|
| 55.0 | 615.751 |
| 55.5 | 599.215 |
| 56.0 | 583.073 |
| 56.5 | 566.931 |
| 57.0 | 550.790 |
| 57.5 | 534.648 |
| 58.0 | 519.293 |
| 58.5 | 503.545 |
| 59.0 | 488.191 |
| 59.5 | 473.230 |
| 60.0 | 458.270 |
| 60.5 | 443.309 |
| 61.0 | 428.742 |
| 61.5 | 414.569 |
| 62.0 | 400.395 |
| 62.5 | 386.616 |
| 63.0 | 372.836 |
| 63.5 | 359.057 |
| 64.0 | 346.064 |
| 64.5 | 332.679 |
| 65.0 | 320.080 |
| 65.5 | 307.088 |
| 66.0 | 294.883 |
| 66.5 | 282.678 |
| 67.0 | 270.867 |
| 67.5 | 259.056 |
| 68.0 | 247.639 |
| 68.5 | 236.221 |
| 69.0 | 225.591 |
| 69.5 | 214.568 |
| 70.0 | 204.332 |
| 70.5 | 194.095 |
| 71.0 | 184.253 |
| 71.5 | 174.804 |
| 72.0 | 165.355 |
| 72.5 | 156.694 |
| 73.0 | 148.426 |
| 73.5 | 140.945 |
| 74.0 | 133.465 |
| 74.5 | 126.772 |
| 75.0 | 120.079 |
| 75.5 | 114.174 |
| 76.0 | 108.268 |
| 76.5 | 103.150 |
| 77.0 | 98.426  |
| 77.5 | 93.701  |
| 78.0 | 88.977  |
| 78.5 | 84.252  |
| 79.0 | 79.922  |
| 79.5 | 75.591  |
| 80.0 | 71.260  |
| 80.5 | 66.929  |
| 81.0 | 62.599  |
| 81.5 | 58.662  |
| 82.0 | 54.331  |
| 82.5 | 50.394  |

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH\_.IES

CANDELA TABULATION - (Cont.)

|       |        |
|-------|--------|
| 83.0  | 46.457 |
| 83.5  | 42.914 |
| 84.0  | 38.977 |
| 84.5  | 35.433 |
| 85.0  | 31.890 |
| 85.5  | 28.347 |
| 86.0  | 24.803 |
| 86.5  | 21.260 |
| 87.0  | 18.110 |
| 87.5  | 14.567 |
| 88.0  | 11.811 |
| 88.5  | 9.449  |
| 89.0  | 7.480  |
| 89.5  | 5.512  |
| 90.0  | 3.937  |
| 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  
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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  
PHOTOMETRIC FILENAME : HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH\_.IES

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  
PHOTOMETRIC FILENAME : HS6DR-TL-L60-835-DIM-UNV-RW-OF-WH\_.IES

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 |



**IES INDOOR REPORT**  
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**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 1446.19 | N.A.  | 25.40  |
| 0-30    | 2923.63 | N.A.  | 51.40  |
| 0-40    | 3945.83 | N.A.  | 69.40  |
| 0-60    | 5200.24 | N.A.  | 91.40  |
| 0-80    | 5653.09 | N.A.  | 99.40  |
| 0-90    | 5689.4  | N.A.  | 100.00 |
| 10-90   | 5302.79 | N.A.  | 93.20  |
| 20-40   | 2499.64 | N.A.  | 43.90  |
| 20-50   | 3204.9  | N.A.  | 56.30  |
| 40-70   | 1574.02 | N.A.  | 27.70  |
| 60-80   | 452.85  | N.A.  | 8.00   |
| 70-80   | 133.24  | N.A.  | 2.30   |
| 80-90   | 36.32   | N.A.  | 0.60   |
| 90-110  | 0.11    | N.A.  | 0.00   |
| 90-120  | 0.11    | N.A.  | 0.00   |
| 90-130  | 0.11    | N.A.  | 0.00   |
| 90-150  | 0.11    | N.A.  | 0.00   |
| 90-180  | 0.11    | N.A.  | 0.00   |
| 110-180 | 0.00    | N.A.  | 0.00   |
| 0-180   | 5689.51 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  |
|---------|---------|
| 0-10    | 386.61  |
| 10-20   | 1059.57 |
| 20-30   | 1477.45 |
| 30-40   | 1022.2  |
| 40-50   | 705.25  |
| 50-60   | 549.15  |
| 60-70   | 319.61  |
| 70-80   | 133.24  |
| 80-90   | 36.32   |
| 90-100  | 0.11    |
| 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  | 111 | 108 | 105 | 102 | 109 | 106 | 103 | 100 | 102 | 99  | 97  | 98  | 96  | 94  | 94  | 93  | 91  | 89  |
| 2  | 104 | 98  | 92  | 88  | 102 | 96  | 91  | 87  | 92  | 88  | 85  | 89  | 86  | 83  | 86  | 84  | 81  | 79  |
| 3  | 97  | 89  | 82  | 77  | 95  | 87  | 81  | 76  | 84  | 79  | 75  | 82  | 77  | 74  | 79  | 76  | 73  | 71  |
| 4  | 90  | 81  | 74  | 68  | 88  | 80  | 73  | 68  | 77  | 72  | 67  | 75  | 70  | 66  | 73  | 69  | 66  | 64  |
| 5  | 85  | 74  | 67  | 61  | 83  | 73  | 66  | 61  | 71  | 65  | 61  | 69  | 64  | 60  | 68  | 63  | 59  | 58  |
| 6  | 79  | 68  | 61  | 56  | 78  | 68  | 61  | 56  | 66  | 60  | 55  | 64  | 59  | 55  | 63  | 58  | 54  | 53  |
| 7  | 75  | 63  | 56  | 51  | 73  | 63  | 56  | 51  | 61  | 55  | 50  | 60  | 54  | 50  | 59  | 54  | 50  | 48  |
| 8  | 70  | 59  | 52  | 47  | 69  | 58  | 51  | 47  | 57  | 51  | 46  | 56  | 50  | 46  | 55  | 50  | 46  | 44  |
| 9  | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 41  |
| 10 | 63  | 51  | 45  | 40  | 62  | 51  | 44  | 40  | 50  | 44  | 40  | 49  | 44  | 40  | 48  | 43  | 40  | 38  |

**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

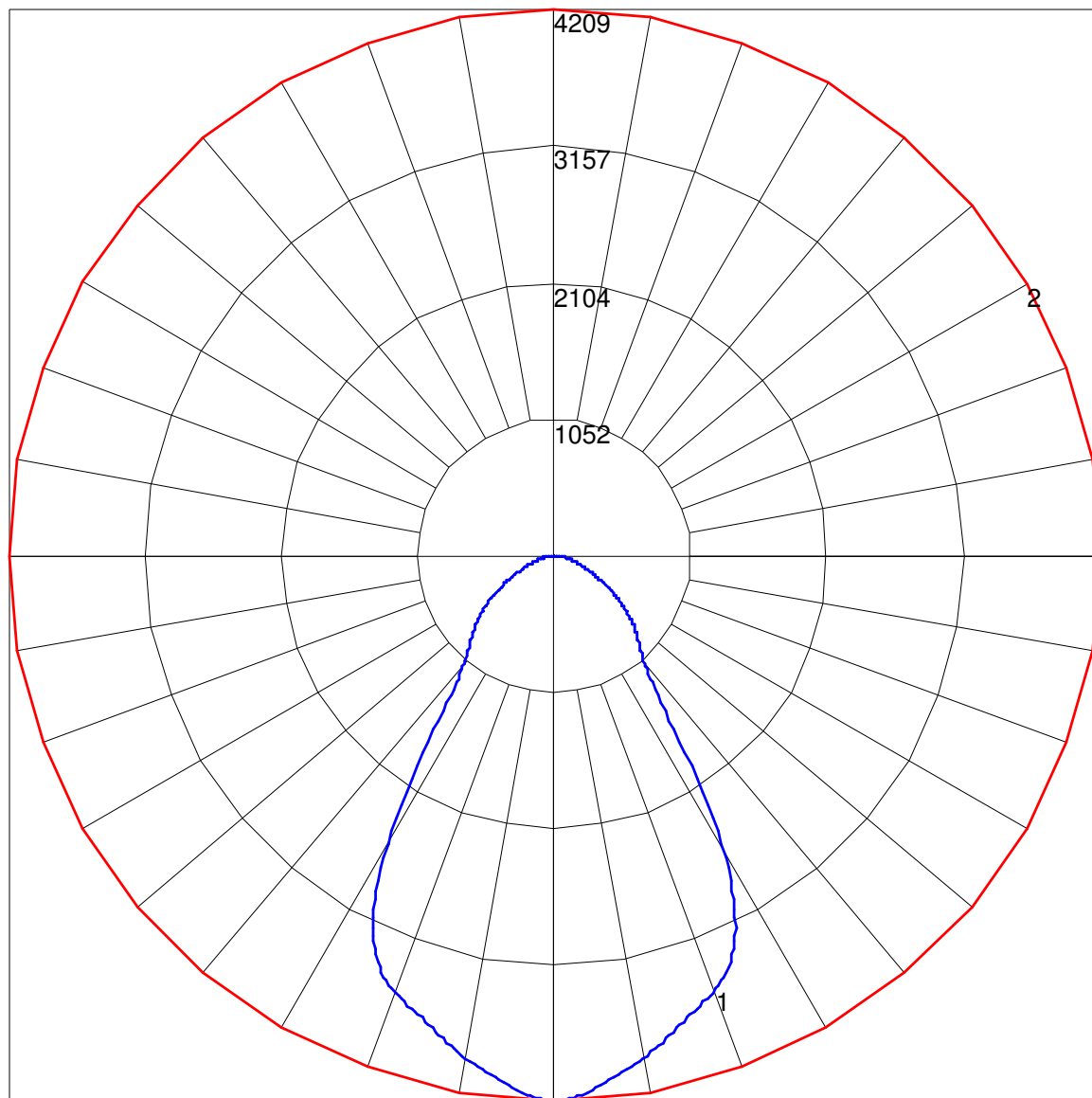
|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| X=2H | Y=2H | 23.9 | 25.3 | 24.3 | 25.6 | 25.9 | 23.9 | 25.3 | 24.3 | 25.6 | 25.9 |
|      | 3H   | 24.9 | 26.1 | 25.3 | 26.4 | 26.8 | 24.9 | 26.1 | 25.3 | 26.4 | 26.8 |
|      | 4H   | 25.2 | 26.3 | 25.6 | 26.6 | 27.0 | 25.2 | 26.3 | 25.6 | 26.6 | 27.0 |
|      | 6H   | 25.3 | 26.4 | 25.8 | 26.7 | 27.1 | 25.3 | 26.4 | 25.8 | 26.7 | 27.1 |
|      | 8H   | 25.4 | 26.4 | 25.8 | 26.8 | 27.2 | 25.4 | 26.4 | 25.8 | 26.8 | 27.2 |
|      | 12H  | 25.4 | 26.3 | 25.9 | 26.7 | 27.2 | 25.4 | 26.3 | 25.9 | 26.7 | 27.2 |

UGR Viewed Endwise

|     |     |      |      |      |      |      |      |      |      |      |      |
|-----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H  | 2H  | 24.3 | 25.4 | 24.7 | 25.7 | 26.1 | 24.3 | 25.4 | 24.7 | 25.7 | 26.1 |
|     | 3H  | 25.4 | 26.3 | 25.8 | 26.7 | 27.1 | 25.4 | 26.3 | 25.8 | 26.7 | 27.1 |
|     | 4H  | 25.8 | 26.6 | 26.2 | 27.0 | 27.4 | 25.8 | 26.6 | 26.2 | 27.0 | 27.4 |
|     | 6H  | 26.0 | 26.7 | 26.5 | 27.2 | 27.6 | 26.0 | 26.7 | 26.5 | 27.2 | 27.6 |
|     | 8H  | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 | 26.1 | 26.7 | 26.6 | 27.2 | 27.7 |
|     | 12H | 26.2 | 26.7 | 26.6 | 27.2 | 27.7 | 26.2 | 26.7 | 26.6 | 27.2 | 27.7 |
| 8H  | 4H  | 25.8 | 26.5 | 26.3 | 26.9 | 27.4 | 25.8 | 26.5 | 26.3 | 26.9 | 27.4 |
|     | 6H  | 26.2 | 26.7 | 26.7 | 27.2 | 27.7 | 26.2 | 26.7 | 26.7 | 27.2 | 27.7 |
|     | 8H  | 26.3 | 26.8 | 26.8 | 27.3 | 27.8 | 26.3 | 26.8 | 26.8 | 27.3 | 27.8 |
|     | 12H | 26.4 | 26.8 | 26.9 | 27.3 | 27.9 | 26.4 | 26.8 | 26.9 | 27.3 | 27.9 |
| 12H | 4H  | 25.8 | 26.4 | 26.3 | 26.9 | 27.4 | 25.8 | 26.4 | 26.3 | 26.9 | 27.4 |
|     | 6H  | 26.2 | 26.7 | 26.7 | 27.1 | 27.7 | 26.2 | 26.7 | 26.7 | 27.1 | 27.7 |
|     | 8H  | 26.3 | 26.8 | 26.9 | 27.3 | 27.8 | 26.3 | 26.8 | 26.9 | 27.3 | 27.8 |

Maximum UGR = 27.9

POLAR GRAPH



Maximum Candela = 4208.679 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.)