



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM 12316380.07

[TESTLAB] UL Verification Services Inc.

[ISSUE DATE] 27-JAN-2021

[MANUFAC] WILLIAMS INDOOR

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

[LUMCAT] 6CR-TL-L50-835-xxx-DIM-UNV-LW-WH-xx

[LUMINAIRE] 6" DIA. SURFACE CYLINDER

[LAMP] One white LED

[_SEARCH_SOURCETYPE] LED

[_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Corridor, Hotel, Industrial, Office, Downlight

[_SEARCH_MOUNTING] Surface

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 3363 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 74 |
| Total Luminaire Watts | 45.2 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.00 |
| Spacing Criterion (90-270) | 1.00 |
| Spacing Criterion (Diagonal) | 0.90 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.35 ft (Diameter) |
| Luminous Width (90-270) | 0.35 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 | 92811 | 92811 | 92811 |
| 55 | 76263 | 76263 | 76263 |
| 65 | 55791 | 55791 | 55791 |
| 75 | 38623 | 38623 | 38623 |
| 85 | 21055 | 21055 | 21055 |

CANDELA TABULATION

| | <u>0</u> |
|------|----------|
| 0.0 | 2362.514 |
| 0.5 | 2361.767 |
| 1.0 | 2360.274 |
| 1.5 | 2358.284 |
| 2.0 | 2356.293 |
| 2.5 | 2354.054 |
| 3.0 | 2351.068 |
| 3.5 | 2349.326 |
| 4.0 | 2348.082 |
| 4.5 | 2347.336 |
| 5.0 | 2346.341 |
| 5.5 | 2345.345 |
| 6.0 | 2344.599 |
| 6.5 | 2343.604 |
| 7.0 | 2342.857 |
| 7.5 | 2342.360 |
| 8.0 | 2342.111 |
| 8.5 | 2341.364 |
| 9.0 | 2340.618 |
| 9.5 | 2339.125 |
| 10.0 | 2338.130 |
| 10.5 | 2336.388 |
| 11.0 | 2334.646 |
| 11.5 | 2332.407 |
| 12.0 | 2329.919 |
| 12.5 | 2326.933 |
| 13.0 | 2323.449 |
| 13.5 | 2319.468 |
| 14.0 | 2314.492 |
| 14.5 | 2308.521 |
| 15.0 | 2301.305 |
| 15.5 | 2292.596 |
| 16.0 | 2282.892 |
| 16.5 | 2271.447 |
| 17.0 | 2259.006 |
| 17.5 | 2245.072 |
| 18.0 | 2228.650 |
| 18.5 | 2211.731 |
| 19.0 | 2193.318 |
| 19.5 | 2172.667 |
| 20.0 | 2150.024 |
| 20.5 | 2125.391 |
| 21.0 | 2098.768 |
| 21.5 | 2070.154 |
| 22.0 | 2038.554 |
| 22.5 | 2004.964 |
| 23.0 | 1968.886 |
| 23.5 | 1930.070 |
| 24.0 | 1888.269 |
| 24.5 | 1843.731 |
| 25.0 | 1795.461 |
| 25.5 | 1744.951 |
| 26.0 | 1690.958 |
| 26.5 | 1633.730 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

CANDELA TABULATION - (Cont.)

| | |
|-------------|----------|
| 27.0 | 1574.512 |
| 27.5 | 1512.805 |
| 28.0 | 1450.103 |
| 28.5 | 1387.153 |
| 29.0 | 1325.446 |
| 29.5 | 1264.984 |
| 30.0 | 1206.761 |
| 30.5 | 1152.021 |
| 31.0 | 1100.765 |
| 31.5 | 1053.987 |
| 32.0 | 1011.440 |
| 32.5 | 973.122 |
| 33.0 | 939.034 |
| 33.5 | 908.678 |
| 34.0 | 881.557 |
| 34.5 | 857.671 |
| 35.0 | 836.024 |
| 35.5 | 816.367 |
| 36.0 | 798.950 |
| 36.5 | 782.528 |
| 37.0 | 767.599 |
| 37.5 | 753.666 |
| 38.0 | 740.727 |
| 38.5 | 728.286 |
| 39.0 | 716.841 |
| 39.5 | 705.644 |
| 40.0 | 695.194 |
| 40.5 | 684.743 |
| 41.0 | 674.791 |
| 41.5 | 665.087 |
| 42.0 | 655.881 |
| 42.5 | 646.674 |
| 43.0 | 637.468 |
| 43.5 | 628.262 |
| 44.0 | 619.056 |
| 44.5 | 609.850 |
| 45.0 | 600.643 |
| 45.5 | 591.437 |
| 46.0 | 582.231 |
| 46.5 | 573.025 |
| 47.0 | 563.321 |
| 47.5 | 553.617 |
| 48.0 | 543.913 |
| 48.5 | 533.960 |
| 49.0 | 523.759 |
| 49.5 | 513.557 |
| 50.0 | 503.605 |
| 50.5 | 493.403 |
| 51.0 | 483.202 |
| 51.5 | 473.000 |
| 52.0 | 463.048 |
| 52.5 | 453.095 |
| 53.0 | 442.894 |
| 53.5 | 432.443 |
| 54.0 | 421.744 |
| 54.5 | 411.045 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

CANDELA TABULATION - (Cont.)

| | |
|------|---------|
| 55.0 | 400.346 |
| 55.5 | 389.647 |
| 56.0 | 379.197 |
| 56.5 | 368.995 |
| 57.0 | 358.794 |
| 57.5 | 348.592 |
| 58.0 | 338.639 |
| 58.5 | 328.936 |
| 59.0 | 319.232 |
| 59.5 | 309.777 |
| 60.0 | 300.570 |
| 60.5 | 291.364 |
| 61.0 | 282.407 |
| 61.5 | 273.698 |
| 62.0 | 264.990 |
| 62.5 | 256.281 |
| 63.0 | 247.971 |
| 63.5 | 239.710 |
| 64.0 | 231.599 |
| 64.5 | 223.611 |
| 65.0 | 215.799 |
| 65.5 | 208.185 |
| 66.0 | 200.671 |
| 66.5 | 193.355 |
| 67.0 | 186.214 |
| 67.5 | 179.198 |
| 68.0 | 172.405 |
| 68.5 | 165.762 |
| 69.0 | 159.118 |
| 69.5 | 152.699 |
| 70.0 | 146.453 |
| 70.5 | 140.308 |
| 71.0 | 134.311 |
| 71.5 | 128.464 |
| 72.0 | 122.816 |
| 72.5 | 117.242 |
| 73.0 | 111.818 |
| 73.5 | 106.543 |
| 74.0 | 101.368 |
| 74.5 | 96.367 |
| 75.0 | 91.490 |
| 75.5 | 86.762 |
| 76.0 | 82.134 |
| 76.5 | 77.631 |
| 77.0 | 73.326 |
| 77.5 | 69.047 |
| 78.0 | 64.916 |
| 78.5 | 60.910 |
| 79.0 | 56.979 |
| 79.5 | 53.197 |
| 80.0 | 49.490 |
| 80.5 | 45.882 |
| 81.0 | 42.324 |
| 81.5 | 38.865 |
| 82.0 | 35.481 |
| 82.5 | 32.197 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

CANDELA TABULATION - (Cont.)

| | |
|-------|--------|
| 83.0 | 28.937 |
| 83.5 | 25.777 |
| 84.0 | 22.692 |
| 84.5 | 19.681 |
| 85.0 | 16.795 |
| 85.5 | 14.008 |
| 86.0 | 11.346 |
| 86.5 | 8.833 |
| 87.0 | 6.619 |
| 87.5 | 4.777 |
| 88.0 | 3.334 |
| 88.5 | 2.115 |
| 89.0 | 1.319 |
| 89.5 | 0.896 |
| 90.0 | 0.622 |
| 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 : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.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
PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.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 |

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**PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES****ZONAL LUMEN SUMMARY**

| Zone | Lumens | %Lamp | %Fixt |
|---------|---------|-------|--------|
| 0-20 | 867.80 | N.A. | 25.80 |
| 0-30 | 1664.53 | N.A. | 49.50 |
| 0-40 | 2207.24 | N.A. | 65.60 |
| 0-60 | 3027.62 | N.A. | 90.00 |
| 0-80 | 3342.1 | N.A. | 99.40 |
| 0-90 | 3363.13 | N.A. | 100.00 |
| 10-90 | 3139.36 | N.A. | 93.30 |
| 20-40 | 1339.44 | N.A. | 39.80 |
| 20-50 | 1802.02 | N.A. | 53.60 |
| 40-70 | 1036.15 | N.A. | 30.80 |
| 60-80 | 314.48 | N.A. | 9.40 |
| 70-80 | 98.71 | N.A. | 2.90 |
| 80-90 | 21.03 | N.A. | 0.60 |
| 90-110 | 0.02 | N.A. | 0.00 |
| 90-120 | 0.02 | N.A. | 0.00 |
| 90-130 | 0.02 | N.A. | 0.00 |
| 90-150 | 0.02 | N.A. | 0.00 |
| 90-180 | 0.02 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 3363.15 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|--------|
| 0-10 | 223.77 |
| 10-20 | 644.02 |
| 20-30 | 796.74 |
| 30-40 | 542.71 |
| 40-50 | 462.57 |
| 50-60 | 357.80 |
| 60-70 | 215.78 |
| 70-80 | 98.71 |
| 80-90 | 21.03 |
| 90-100 | 0.02 |
| 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 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

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 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 89 |
| 2 | 103 | 97 | 91 | 87 | 101 | 95 | 90 | 86 | 92 | 88 | 84 | 89 | 85 | 82 | 86 | 83 | 80 | 78 |
| 3 | 96 | 88 | 81 | 76 | 94 | 86 | 80 | 75 | 83 | 78 | 74 | 81 | 76 | 73 | 78 | 75 | 72 | 70 |
| 4 | 90 | 80 | 73 | 67 | 88 | 79 | 72 | 67 | 76 | 70 | 66 | 74 | 69 | 65 | 72 | 68 | 64 | 62 |
| 5 | 84 | 73 | 66 | 60 | 82 | 72 | 65 | 60 | 70 | 64 | 59 | 68 | 63 | 59 | 67 | 62 | 58 | 56 |
| 6 | 79 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 58 | 53 | 62 | 57 | 53 | 51 |
| 7 | 74 | 62 | 55 | 50 | 72 | 62 | 54 | 49 | 60 | 54 | 49 | 59 | 53 | 49 | 58 | 52 | 49 | 47 |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 40 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 47 | 42 | 39 | 37 |

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6CR-TL-L50-835-XXX-DIM-UNV-LW-WH-XX_.IES

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 | 24.8 | 26.2 | 25.2 | 26.5 | 26.8 | 24.8 | 26.2 | 25.2 | 26.5 | 26.8 |
|------|------|------|------|------|------|------|------|------|------|------|------|
| | 3H | 25.9 | 27.1 | 26.3 | 27.5 | 27.8 | 25.9 | 27.1 | 26.3 | 27.5 | 27.8 |
| | 4H | 26.3 | 27.4 | 26.7 | 27.7 | 28.1 | 26.3 | 27.4 | 26.7 | 27.7 | 28.1 |
| | 6H | 26.5 | 27.5 | 26.9 | 27.9 | 28.3 | 26.5 | 27.5 | 26.9 | 27.9 | 28.3 |
| | 8H | 26.5 | 27.5 | 27.0 | 27.9 | 28.3 | 26.5 | 27.5 | 27.0 | 27.9 | 28.3 |
| | 12H | 26.5 | 27.5 | 27.0 | 27.9 | 28.3 | 26.5 | 27.5 | 27.0 | 27.9 | 28.3 |

UGR Viewed Endwise

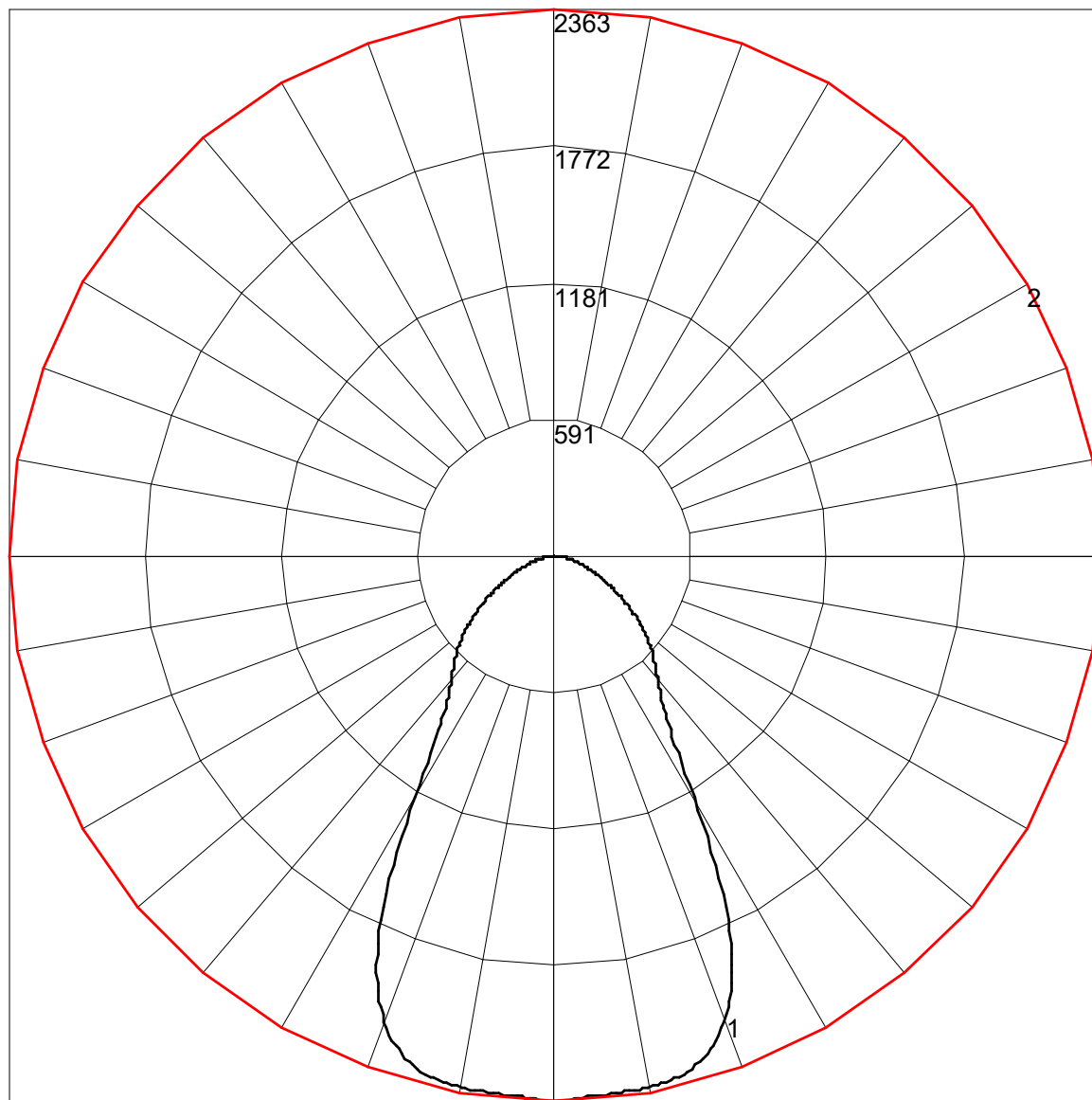
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 25.2 | 26.3 | 25.6 | 26.7 | 27.0 | 25.2 | 26.3 | 25.6 | 26.7 | 27.0 |
| | 3H | 26.5 | 27.4 | 26.9 | 27.8 | 28.2 | 26.5 | 27.4 | 26.9 | 27.8 | 28.2 |
| | 4H | 26.9 | 27.8 | 27.3 | 28.2 | 28.6 | 26.9 | 27.8 | 27.3 | 28.2 | 28.6 |
| | 6H | 27.2 | 28.0 | 27.7 | 28.4 | 28.9 | 27.2 | 28.0 | 27.7 | 28.4 | 28.9 |
| | 8H | 27.3 | 28.0 | 27.8 | 28.4 | 28.9 | 27.3 | 28.0 | 27.8 | 28.4 | 28.9 |
| | 12H | 27.3 | 27.9 | 27.8 | 28.4 | 28.9 | 27.3 | 27.9 | 27.8 | 28.4 | 28.9 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 27.0 | 27.7 | 27.5 | 28.2 | 28.6 | 27.0 | 27.7 | 27.5 | 28.2 | 28.6 |
| | 6H | 27.4 | 28.0 | 27.9 | 28.5 | 29.0 | 27.4 | 28.0 | 27.9 | 28.5 | 29.0 |
| | 8H | 27.5 | 28.0 | 28.1 | 28.6 | 29.0 | 27.5 | 28.0 | 28.1 | 28.6 | 29.0 |
| | 12H | 27.6 | 28.0 | 28.1 | 28.5 | 29.1 | 27.6 | 28.0 | 28.1 | 28.5 | 29.1 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 27.0 | 27.6 | 27.5 | 28.1 | 28.6 | 27.0 | 27.6 | 27.5 | 28.1 | 28.6 |
| | 6H | 27.4 | 27.9 | 28.0 | 28.4 | 28.9 | 27.4 | 27.9 | 28.0 | 28.4 | 28.9 |
| | 8H | 27.6 | 28.0 | 28.1 | 28.5 | 29.1 | 27.6 | 28.0 | 28.1 | 28.5 | 29.1 |

Maximum UGR = 29.1

POLAR GRAPH



Maximum Candela = 2362.514 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (90 - 270)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)