



IES INDOOR REPORT

PHOTOMETRIC FILENAME : 6PR-TL-L50-935-DIM-UNV-LW-OF-WH_.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] GEN FROM 12326812.29
 [TESTLAB] UL Verification Services Inc.
 [ISSUEDATE] 04/14/2021
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.
 [LUMCAT] 6PR-TL-L50-935-DIM-UNV-LW-OF-WH
 [LUMINAIRE] Black formed aluminum housing, white reflector, clear glas
 [MORE] s patterned lens enclosure
 [LAMP] One white LED

CHARACTERISTICS

| | |
|---------------------------------|--------------------|
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 4513 |
| Total Luminaire Efficiency | N.A. |
| Luminaire Efficacy Rating (LER) | 82 |
| Total Luminaire Watts | 54.7 |
| Ballast Factor | 1.00 |
| CIE Type | Direct |
| Spacing Criterion (0-180) | 1.20 |
| Spacing Criterion (90-270) | 1.20 |
| Spacing Criterion (Diagonal) | 1.26 |
| Basic Luminous Shape | Circular |
| Luminous Length (0-180) | 0.46 ft (Diameter) |
| Luminous Width (90-270) | 0.46 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 | 104845 | 104845 | 104845 |
| 55 | 51766 | 51766 | 51766 |
| 65 | 35065 | 35065 | 35065 |
| 75 | 26078 | 26078 | 26078 |
| 85 | 18059 | 18059 | 18059 |

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CANDELA TABULATION

| | <u>0</u> |
|------|----------|
| 0.0 | 2388.826 |
| 0.5 | 2386.782 |
| 1.0 | 2384.739 |
| 1.5 | 2382.695 |
| 2.0 | 2378.608 |
| 2.5 | 2374.521 |
| 3.0 | 2368.391 |
| 3.5 | 2364.304 |
| 4.0 | 2358.174 |
| 4.5 | 2352.043 |
| 5.0 | 2345.913 |
| 5.5 | 2339.782 |
| 6.0 | 2333.652 |
| 6.5 | 2327.521 |
| 7.0 | 2321.391 |
| 7.5 | 2313.217 |
| 8.0 | 2307.087 |
| 8.5 | 2300.956 |
| 9.0 | 2292.782 |
| 9.5 | 2284.608 |
| 10.0 | 2278.478 |
| 10.5 | 2270.304 |
| 11.0 | 2262.130 |
| 11.5 | 2256.000 |
| 12.0 | 2247.826 |
| 12.5 | 2239.652 |
| 13.0 | 2231.478 |
| 13.5 | 2223.304 |
| 14.0 | 2215.130 |
| 14.5 | 2206.956 |
| 15.0 | 2196.739 |
| 15.5 | 2188.565 |
| 16.0 | 2180.391 |
| 16.5 | 2172.217 |
| 17.0 | 2162.000 |
| 17.5 | 2153.826 |
| 18.0 | 2147.695 |
| 18.5 | 2139.521 |
| 19.0 | 2131.348 |
| 19.5 | 2123.174 |
| 20.0 | 2115.000 |
| 20.5 | 2108.869 |
| 21.0 | 2100.695 |
| 21.5 | 2092.521 |
| 22.0 | 2082.304 |
| 22.5 | 2072.087 |
| 23.0 | 2063.913 |
| 23.5 | 2051.652 |
| 24.0 | 2042.048 |
| 24.5 | 2031.217 |
| 25.0 | 2020.182 |
| 25.5 | 2009.148 |
| 26.0 | 1998.113 |
| 26.5 | 1986.669 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PR-TL-L50-935-DIM-UNV-LW-OF-WH_.IES

CANDELA TABULATION - (Cont.)

| | |
|------|----------|
| 27.0 | 1975.430 |
| 27.5 | 1964.191 |
| 28.0 | 1952.952 |
| 28.5 | 1941.917 |
| 29.0 | 1931.291 |
| 29.5 | 1920.461 |
| 30.0 | 1908.813 |
| 30.5 | 1897.165 |
| 31.0 | 1884.904 |
| 31.5 | 1872.235 |
| 32.0 | 1858.339 |
| 32.5 | 1843.626 |
| 33.0 | 1828.504 |
| 33.5 | 1812.156 |
| 34.0 | 1794.582 |
| 34.5 | 1775.782 |
| 35.0 | 1756.165 |
| 35.5 | 1734.913 |
| 36.0 | 1712.843 |
| 36.5 | 1689.548 |
| 37.0 | 1664.822 |
| 37.5 | 1639.482 |
| 38.0 | 1612.917 |
| 38.5 | 1584.717 |
| 39.0 | 1555.495 |
| 39.5 | 1524.843 |
| 40.0 | 1493.578 |
| 40.5 | 1460.882 |
| 41.0 | 1428.800 |
| 41.5 | 1395.287 |
| 42.0 | 1361.161 |
| 42.5 | 1325.604 |
| 43.0 | 1289.435 |
| 43.5 | 1252.039 |
| 44.0 | 1214.235 |
| 44.5 | 1175.409 |
| 45.0 | 1135.765 |
| 45.5 | 1094.896 |
| 46.0 | 1052.800 |
| 46.5 | 1010.296 |
| 47.0 | 967.382 |
| 47.5 | 924.878 |
| 48.0 | 882.578 |
| 48.5 | 840.687 |
| 49.0 | 800.430 |
| 49.5 | 760.583 |
| 50.0 | 723.391 |
| 50.5 | 687.222 |
| 51.0 | 653.709 |
| 51.5 | 622.239 |
| 52.0 | 592.813 |
| 52.5 | 565.430 |
| 53.0 | 539.683 |
| 53.5 | 515.774 |
| 54.0 | 494.113 |
| 54.5 | 473.678 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PR-TL-L50-935-DIM-UNV-LW-OF-WH_.IES

CANDELA TABULATION - (Cont.)

| | |
|------|---------|
| 55.0 | 454.878 |
| 55.5 | 437.509 |
| 56.0 | 421.365 |
| 56.5 | 406.243 |
| 57.0 | 391.530 |
| 57.5 | 377.839 |
| 58.0 | 364.965 |
| 58.5 | 352.500 |
| 59.0 | 341.056 |
| 59.5 | 330.022 |
| 60.0 | 318.987 |
| 60.5 | 308.565 |
| 61.0 | 298.348 |
| 61.5 | 288.539 |
| 62.0 | 278.935 |
| 62.5 | 269.739 |
| 63.0 | 260.748 |
| 63.5 | 251.961 |
| 64.0 | 243.378 |
| 64.5 | 235.204 |
| 65.0 | 227.030 |
| 65.5 | 219.265 |
| 66.0 | 211.500 |
| 66.5 | 203.939 |
| 67.0 | 196.583 |
| 67.5 | 189.635 |
| 68.0 | 182.483 |
| 68.5 | 175.943 |
| 69.0 | 169.200 |
| 69.5 | 162.865 |
| 70.0 | 156.530 |
| 70.5 | 150.604 |
| 71.0 | 144.883 |
| 71.5 | 139.161 |
| 72.0 | 133.643 |
| 72.5 | 128.535 |
| 73.0 | 123.222 |
| 73.5 | 118.113 |
| 74.0 | 113.209 |
| 74.5 | 108.304 |
| 75.0 | 103.400 |
| 75.5 | 98.904 |
| 76.0 | 94.204 |
| 76.5 | 89.913 |
| 77.0 | 85.417 |
| 77.5 | 81.126 |
| 78.0 | 76.835 |
| 78.5 | 72.748 |
| 79.0 | 68.661 |
| 79.5 | 64.574 |
| 80.0 | 60.691 |
| 80.5 | 56.809 |
| 81.0 | 52.926 |
| 81.5 | 49.043 |
| 82.0 | 45.365 |
| 82.5 | 41.687 |

IES INDOOR REPORT
PHOTOMETRIC FILENAME : 6PR-TL-L50-935-DIM-UNV-LW-OF-WH_.IES

CANDELA TABULATION - (Cont.)

| | |
|-------|--------|
| 83.0 | 38.009 |
| 83.5 | 34.535 |
| 84.0 | 30.857 |
| 84.5 | 27.587 |
| 85.0 | 24.113 |
| 85.5 | 20.843 |
| 86.0 | 17.574 |
| 86.5 | 14.509 |
| 87.0 | 11.648 |
| 87.5 | 9.196 |
| 88.0 | 7.152 |
| 88.5 | 5.313 |
| 89.0 | 3.883 |
| 89.5 | 2.657 |
| 90.0 | 1.635 |
| 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 : 6PR-TL-L50-935-DIM-UNV-LW-OF-WH_.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 : 6PR-TL-L50-935-DIM-UNV-LW-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
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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 | 842.08 | N.A. | 18.70 |
| 0-30 | 1773.03 | N.A. | 39.30 |
| 0-40 | 2858.99 | N.A. | 63.40 |
| 0-60 | 4145.24 | N.A. | 91.90 |
| 0-80 | 4483.93 | N.A. | 99.40 |
| 0-90 | 4512.48 | N.A. | 100.00 |
| 10-90 | 4290.7 | N.A. | 95.10 |
| 20-40 | 2016.91 | N.A. | 44.70 |
| 20-50 | 2878.61 | N.A. | 63.80 |
| 40-70 | 1514.04 | N.A. | 33.60 |
| 60-80 | 338.69 | N.A. | 7.50 |
| 70-80 | 110.90 | N.A. | 2.50 |
| 80-90 | 28.54 | N.A. | 0.60 |
| 90-110 | 0.04 | N.A. | 0.00 |
| 90-120 | 0.04 | N.A. | 0.00 |
| 90-130 | 0.04 | N.A. | 0.00 |
| 90-150 | 0.04 | N.A. | 0.00 |
| 90-180 | 0.04 | N.A. | 0.00 |
| 110-180 | 0.00 | N.A. | 0.00 |
| 0-180 | 4512.52 | N.A. | 100.00 |

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

| Zone | Lumens |
|---------|---------|
| 0-10 | 221.78 |
| 10-20 | 620.30 |
| 20-30 | 930.95 |
| 30-40 | 1085.96 |
| 40-50 | 861.70 |
| 50-60 | 424.55 |
| 60-70 | 227.79 |
| 70-80 | 110.90 |
| 80-90 | 28.54 |
| 90-100 | 0.04 |
| 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 | 107 | 104 | 101 | 109 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 90 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 78 |
| 3 | 96 | 87 | 80 | 75 | 93 | 85 | 79 | 74 | 83 | 77 | 73 | 80 | 75 | 72 | 78 | 74 | 70 | 69 |
| 4 | 89 | 79 | 71 | 66 | 87 | 77 | 70 | 65 | 75 | 69 | 64 | 73 | 68 | 63 | 71 | 66 | 63 | 61 |
| 5 | 82 | 71 | 64 | 58 | 81 | 70 | 63 | 58 | 68 | 62 | 57 | 67 | 61 | 57 | 65 | 60 | 56 | 54 |
| 6 | 77 | 65 | 57 | 52 | 75 | 64 | 57 | 52 | 63 | 56 | 51 | 61 | 55 | 51 | 60 | 54 | 50 | 49 |
| 7 | 72 | 60 | 52 | 47 | 70 | 59 | 52 | 46 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 |
| 8 | 67 | 55 | 47 | 42 | 66 | 54 | 47 | 42 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 45 | 41 | 40 |
| 9 | 63 | 51 | 43 | 38 | 62 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 36 |
| 10 | 59 | 47 | 40 | 35 | 58 | 47 | 40 | 35 | 46 | 39 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 |

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 | 22.5 | 23.9 | 22.9 | 24.2 | 24.5 | 22.5 | 23.9 | 22.9 | 24.2 | 24.5 |
| | 3H | 23.6 | 24.8 | 24.0 | 25.1 | 25.5 | 23.6 | 24.8 | 24.0 | 25.1 | 25.5 |
| | 4H | 24.0 | 25.1 | 24.4 | 25.5 | 25.8 | 24.0 | 25.1 | 24.4 | 25.5 | 25.8 |
| | 6H | 24.2 | 25.3 | 24.7 | 25.7 | 26.1 | 24.2 | 25.3 | 24.7 | 25.7 | 26.1 |
| | 8H | 24.3 | 25.3 | 24.7 | 25.7 | 26.1 | 24.3 | 25.3 | 24.7 | 25.7 | 26.1 |
| | 12H | 24.4 | 25.3 | 24.8 | 25.7 | 26.1 | 24.4 | 25.3 | 24.8 | 25.7 | 26.1 |

UGR Viewed Endwise

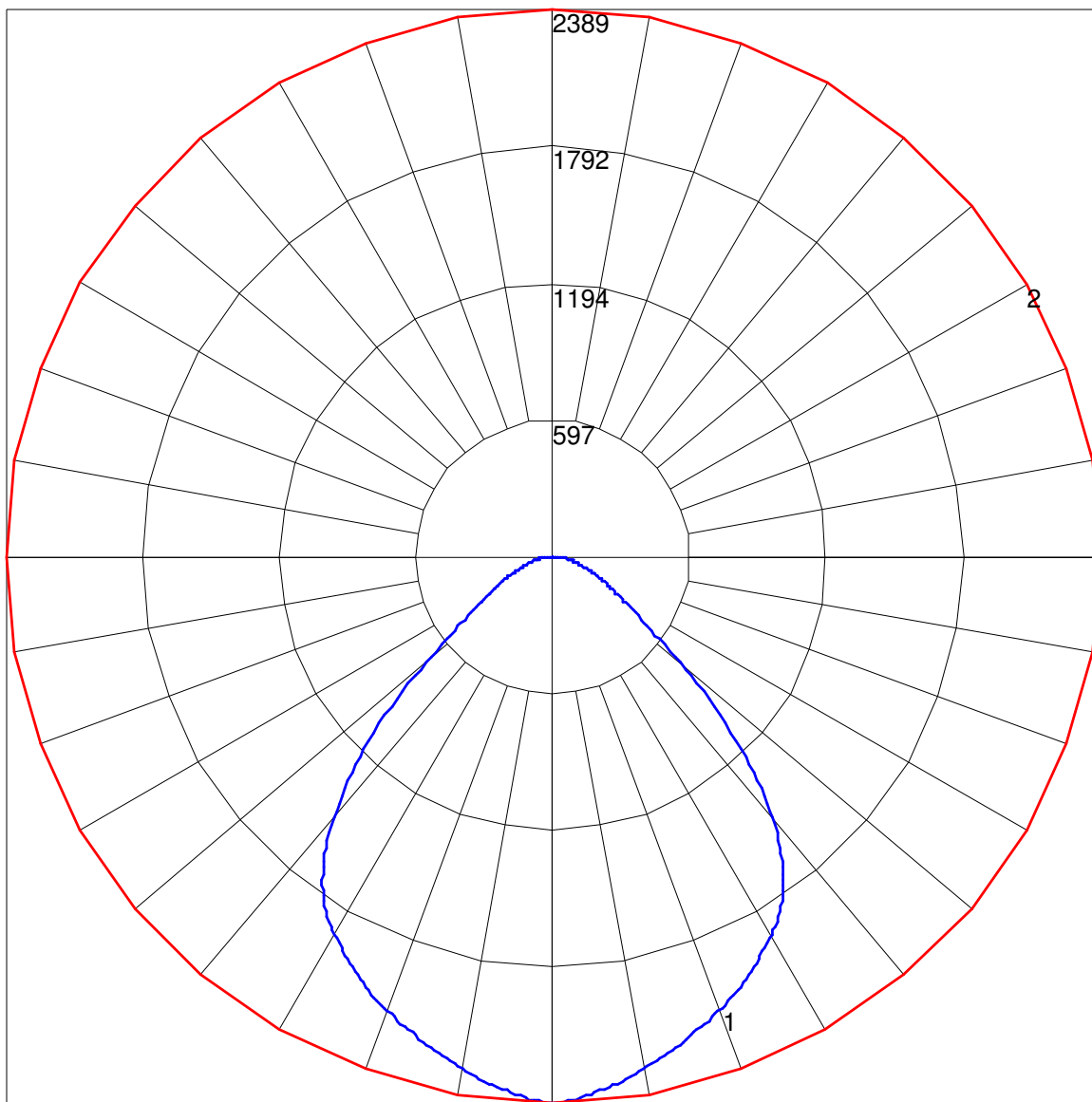
| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 4H | 2H | 22.9 | 24.0 | 23.3 | 24.4 | 24.7 | 22.9 | 24.0 | 23.3 | 24.4 | 24.7 |
| | 3H | 24.1 | 25.1 | 24.6 | 25.5 | 25.9 | 24.1 | 25.1 | 24.6 | 25.5 | 25.9 |
| | 4H | 24.6 | 25.5 | 25.1 | 25.9 | 26.3 | 24.6 | 25.5 | 25.1 | 25.9 | 26.3 |
| | 6H | 25.0 | 25.8 | 25.5 | 26.2 | 26.7 | 25.0 | 25.8 | 25.5 | 26.2 | 26.7 |
| | 8H | 25.1 | 25.8 | 25.6 | 26.3 | 26.7 | 25.1 | 25.8 | 25.6 | 26.3 | 26.7 |
| | 12H | 25.2 | 25.8 | 25.7 | 26.3 | 26.8 | 25.2 | 25.8 | 25.7 | 26.3 | 26.8 |

| | | | | | | | | | | | |
|----|-----|------|------|------|------|------|------|------|------|------|------|
| 8H | 4H | 24.8 | 25.5 | 25.3 | 25.9 | 26.4 | 24.8 | 25.5 | 25.3 | 25.9 | 26.4 |
| | 6H | 25.3 | 25.8 | 25.8 | 26.3 | 26.8 | 25.3 | 25.8 | 25.8 | 26.3 | 26.8 |
| | 8H | 25.4 | 25.9 | 26.0 | 26.5 | 26.9 | 25.4 | 25.9 | 26.0 | 26.5 | 26.9 |
| | 12H | 25.6 | 26.0 | 26.1 | 26.5 | 27.1 | 25.6 | 26.0 | 26.1 | 26.5 | 27.1 |

| | | | | | | | | | | | |
|-----|----|------|------|------|------|------|------|------|------|------|------|
| 12H | 4H | 24.8 | 25.4 | 25.3 | 25.9 | 26.3 | 24.8 | 25.4 | 25.3 | 25.9 | 26.3 |
| | 6H | 25.3 | 25.8 | 25.8 | 26.3 | 26.8 | 25.3 | 25.8 | 25.8 | 26.3 | 26.8 |
| | 8H | 25.5 | 25.9 | 26.0 | 26.4 | 27.0 | 25.5 | 25.9 | 26.0 | 26.4 | 27.0 |

Maximum UGR = 27.1

POLAR GRAPH



Maximum Candela = 2388.826 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.)