

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-M-XXX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] GEN FROM W6CR_Angela-W_(V18)_measured
[TESTLAB] LEDIL Inc
[TESTDATE] 21 Aug 2024
[ISSUEDATE] 2025-07-15
[MANUFAC] H.E. WILLIAMS, INC.
[LUMCAT] W6CR-xx-L10-835-xxx-DIM-UNV-M-xxx
[LUMINAIRE] 6 INCH ROUND WET LOCATION LED
[MORE] CYLINDER WITH MEDIUM DIST.
[LAMPCAT] BL VERO
[LAMP] LED
[OTHER] Absolute Photometry

CHARACTERISTICS

| | |
|---|-------------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 986 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 98 |
| Total Luminaire Watts | 10.1 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 2099.325 |
| Maximum Candela Angle | 0H 2V |
| Maximum Candela (<90 Degrees Vertical) | 2099.325 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 2V |
| Maximum Candela At 90 Degrees Vertical | .075 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 1.638 (0.2% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 413.0 | N.A. | 41.9 |
| FM - Front-Medium (30-60) | 74.6 | N.A. | 7.6 |
| FH - Front-High (60-80) | 5.2 | N.A. | 0.5 |
| FVH - Front-Very High (80-90) | 0.2 | N.A. | 0.0 |
| BL - Back-Low (0-30) | 413.0 | N.A. | 41.9 |
| BM - Back-Medium (30-60) | 74.6 | N.A. | 7.6 |
| BH - Back-High (60-80) | 5.2 | N.A. | 0.5 |
| BVH - Back-Very High (80-90) | 0.2 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.1 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | < 0.05 | N.A. | 0.0 |
| Total | 986.1 | N.A. | 100.0 |
| BUG Rating | B1-U1-G0 | | |

IES ROAD REPORT

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CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | |
|-----------------|-------------------|-------------|-------------|-------------|-------------|
| | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> |
| 0 | 2094.566 | 2094.566 | 2094.566 | 2094.566 | 2094.566 |
| 1 | 2097.258 | 2097.206 | 2096.259 | 2095.584 | 2094.736 |
| 2 | 2099.325 | 2098.018 | 2095.434 | 2092.964 | 2090.451 |
| 3 | 2098.179 | 2096.590 | 2091.952 | 2087.333 | 2083.304 |
| 4 | 2094.516 | 2091.133 | 2084.119 | 2077.234 | 2073.064 |
| 5 | 2081.361 | 2077.247 | 2067.989 | 2058.621 | 2054.005 |
| 6 | 2058.398 | 2052.941 | 2040.283 | 2028.756 | 2022.879 |
| 7 | 2020.065 | 2013.383 | 1999.202 | 1987.619 | 1979.010 |
| 8 | 1966.487 | 1959.877 | 1945.640 | 1934.984 | 1924.011 |
| 9 | 1897.402 | 1892.383 | 1880.191 | 1870.504 | 1859.220 |
| 10 | 1815.085 | 1813.755 | 1803.571 | 1796.030 | 1787.517 |
| 11 | 1723.391 | 1724.422 | 1718.244 | 1712.882 | 1705.459 |
| 12 | 1627.071 | 1627.667 | 1625.465 | 1623.775 | 1616.670 |
| 13 | 1527.865 | 1528.566 | 1530.239 | 1530.501 | 1523.786 |
| 14 | 1426.022 | 1426.677 | 1432.183 | 1434.270 | 1428.534 |
| 15 | 1324.051 | 1325.377 | 1332.643 | 1336.675 | 1331.994 |
| 16 | 1223.931 | 1225.847 | 1233.352 | 1238.914 | 1235.402 |
| 17 | 1126.743 | 1130.991 | 1136.229 | 1143.580 | 1140.484 |
| 18 | 1034.694 | 1039.238 | 1044.256 | 1050.706 | 1048.819 |
| 19 | 948.768 | 951.926 | 958.130 | 963.863 | 961.150 |
| 20 | 871.627 | 871.703 | 877.851 | 883.859 | 881.943 |
| 21 | 797.953 | 798.123 | 803.620 | 809.696 | 806.997 |
| 22 | 733.315 | 732.084 | 737.892 | 742.943 | 741.534 |
| 23 | 677.320 | 675.361 | 680.845 | 684.635 | 684.621 |
| 24 | 627.994 | 626.307 | 630.680 | 633.651 | 633.887 |
| 25 | 584.226 | 583.342 | 585.946 | 588.858 | 588.688 |
| 26 | 545.959 | 544.672 | 545.717 | 548.573 | 547.368 |
| 27 | 510.119 | 508.200 | 508.832 | 510.709 | 510.273 |
| 28 | 474.882 | 472.491 | 471.747 | 473.902 | 476.746 |
| 29 | 438.007 | 436.434 | 434.905 | 436.068 | 437.453 |
| 30 | 400.427 | 397.450 | 394.505 | 396.863 | 397.633 |
| 31 | 356.909 | 354.904 | 352.149 | 353.551 | 354.642 |
| 32 | 310.669 | 309.663 | 306.888 | 309.493 | 309.732 |
| 33 | 262.571 | 262.214 | 260.412 | 263.167 | 263.789 |
| 34 | 214.984 | 215.243 | 214.539 | 217.385 | 217.775 |
| 35 | 171.076 | 171.282 | 171.571 | 175.046 | 175.079 |
| 36 | 132.838 | 133.742 | 134.555 | 138.548 | 138.037 |
| 37 | 101.070 | 102.295 | 104.467 | 106.717 | 106.780 |
| 38 | 78.742 | 77.308 | 79.876 | 83.093 | 82.437 |
| 39 | 59.347 | 60.421 | 63.661 | 64.149 | 66.262 |
| 40 | 48.481 | 48.763 | 50.257 | 51.629 | 52.409 |
| 41 | 40.492 | 41.268 | 42.300 | 42.621 | 42.955 |
| 42 | 35.460 | 35.647 | 36.403 | 37.032 | 36.757 |
| 43 | 31.771 | 31.932 | 32.414 | 32.492 | 32.404 |
| 44 | 28.899 | 29.095 | 29.364 | 29.302 | 29.138 |
| 45 | 26.507 | 26.727 | 26.887 | 26.740 | 26.586 |
| 46 | 24.401 | 24.598 | 24.732 | 24.548 | 24.394 |
| 47 | 22.445 | 22.645 | 22.760 | 22.583 | 22.390 |
| 48 | 20.683 | 20.870 | 20.975 | 20.801 | 20.601 |
| 49 | 19.104 | 19.258 | 19.350 | 19.183 | 18.973 |
| 50 | 17.663 | 17.781 | 17.872 | 17.712 | 17.512 |
| 51 | 16.369 | 16.477 | 16.546 | 16.398 | 16.212 |
| 52 | 15.213 | 15.298 | 15.347 | 15.226 | 15.036 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-----|--------|--------|--------|--------|--------|
| 53 | 14.187 | 14.243 | 14.289 | 14.184 | 13.997 |
| 54 | 13.267 | 13.309 | 13.342 | 13.237 | 13.074 |
| 55 | 12.418 | 12.441 | 12.477 | 12.372 | 12.235 |
| 56 | 11.599 | 11.632 | 11.649 | 11.567 | 11.455 |
| 57 | 10.862 | 10.885 | 10.895 | 10.823 | 10.735 |
| 58 | 10.211 | 10.227 | 10.233 | 10.165 | 10.083 |
| 59 | 9.624 | 9.631 | 9.627 | 9.565 | 9.496 |
| 60 | 9.090 | 9.087 | 9.084 | 9.025 | 8.966 |
| 61 | 8.602 | 8.589 | 8.582 | 8.527 | 8.471 |
| 62 | 8.150 | 8.137 | 8.121 | 8.068 | 8.012 |
| 63 | 7.734 | 7.711 | 7.695 | 7.639 | 7.583 |
| 64 | 7.325 | 7.305 | 7.285 | 7.230 | 7.177 |
| 65 | 6.938 | 6.922 | 6.895 | 6.843 | 6.791 |
| 66 | 6.558 | 6.542 | 6.509 | 6.460 | 6.407 |
| 67 | 6.191 | 6.175 | 6.142 | 6.090 | 6.044 |
| 68 | 5.831 | 5.814 | 5.782 | 5.726 | 5.683 |
| 69 | 5.470 | 5.457 | 5.425 | 5.372 | 5.323 |
| 70 | 5.120 | 5.100 | 5.071 | 5.022 | 4.969 |
| 71 | 4.769 | 4.743 | 4.717 | 4.671 | 4.622 |
| 72 | 4.416 | 4.390 | 4.367 | 4.321 | 4.281 |
| 73 | 4.062 | 4.039 | 4.016 | 3.977 | 3.931 |
| 74 | 3.708 | 3.692 | 3.666 | 3.633 | 3.600 |
| 75 | 3.364 | 3.351 | 3.325 | 3.295 | 3.266 |
| 76 | 3.017 | 3.010 | 2.984 | 2.961 | 2.938 |
| 77 | 2.680 | 2.673 | 2.653 | 2.637 | 2.617 |
| 78 | 2.336 | 2.332 | 2.323 | 2.303 | 2.300 |
| 79 | 1.992 | 1.988 | 1.982 | 1.975 | 1.972 |
| 80 | 1.631 | 1.638 | 1.631 | 1.638 | 1.625 |
| 81 | 1.235 | 1.248 | 1.238 | 1.238 | 1.225 |
| 82 | 0.698 | 0.714 | 0.724 | 0.730 | 0.737 |
| 83 | 0.314 | 0.321 | 0.364 | 0.390 | 0.419 |
| 84 | 0.288 | 0.292 | 0.292 | 0.288 | 0.288 |
| 85 | 0.265 | 0.265 | 0.265 | 0.265 | 0.265 |
| 86 | 0.236 | 0.236 | 0.239 | 0.236 | 0.236 |
| 87 | 0.200 | 0.200 | 0.200 | 0.203 | 0.200 |
| 88 | 0.154 | 0.157 | 0.157 | 0.157 | 0.154 |
| 89 | 0.105 | 0.108 | 0.108 | 0.108 | 0.108 |
| 90 | 0.062 | 0.066 | 0.072 | 0.075 | 0.075 |
| 91 | 0.062 | 0.066 | 0.066 | 0.066 | 0.062 |
| 92 | 0.062 | 0.062 | 0.066 | 0.066 | 0.066 |
| 93 | 0.062 | 0.066 | 0.066 | 0.066 | 0.066 |
| 94 | 0.062 | 0.066 | 0.066 | 0.066 | 0.066 |
| 95 | 0.066 | 0.066 | 0.066 | 0.069 | 0.066 |
| 96 | 0.066 | 0.066 | 0.069 | 0.069 | 0.066 |
| 97 | 0.066 | 0.069 | 0.069 | 0.069 | 0.066 |
| 98 | 0.066 | 0.072 | 0.072 | 0.069 | 0.069 |
| 99 | 0.069 | 0.072 | 0.072 | 0.072 | 0.069 |
| 100 | 0.069 | 0.072 | 0.072 | 0.072 | 0.069 |
| 101 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 102 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 103 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 104 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 105 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 106 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 107 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 108 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

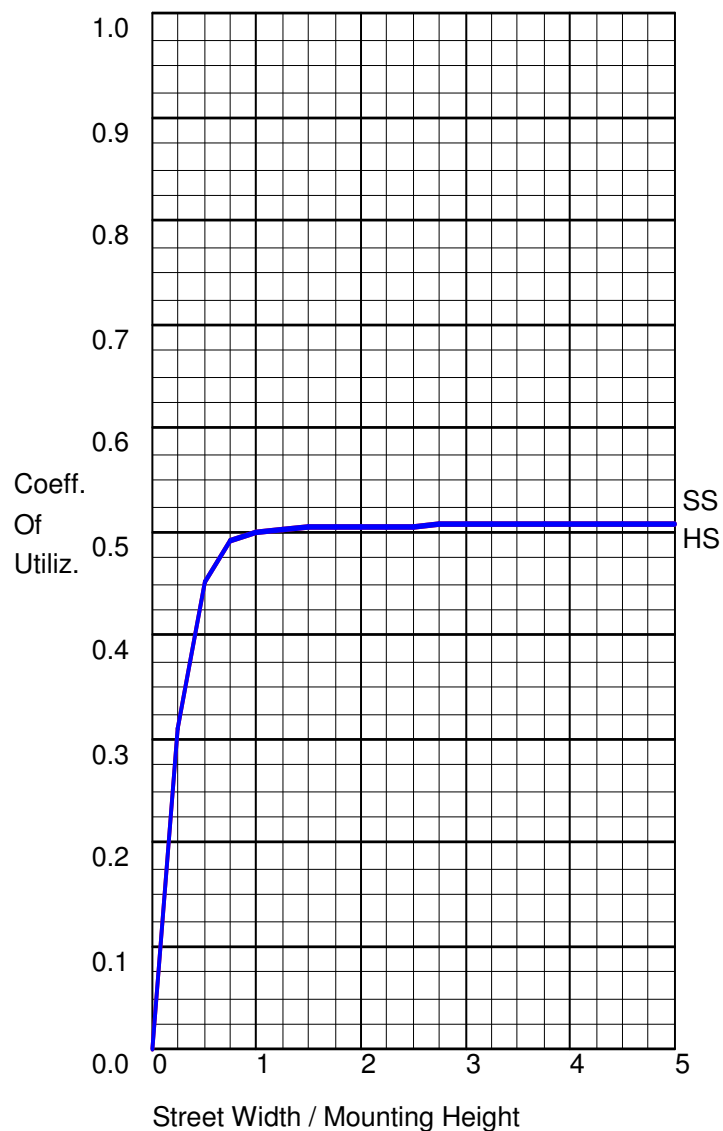
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-----|-------|-------|-------|-------|-------|
| 109 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 110 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 111 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 112 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 113 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 114 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 115 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 116 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 117 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 118 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 119 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 120 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 121 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 122 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 123 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 124 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 125 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 126 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 127 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 128 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 129 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 130 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 131 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 132 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 133 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 134 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 135 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 136 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 137 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 138 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 139 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 140 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 141 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 142 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 143 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 144 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 145 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 146 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 147 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 148 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 149 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 150 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 151 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 152 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 153 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 154 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 155 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 156 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 157 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 158 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 159 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 160 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 161 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 162 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 163 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 164 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L10-835-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-----|-------|-------|-------|-------|-------|
| 165 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 166 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 167 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 168 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 169 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 170 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 171 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 172 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 173 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 174 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 175 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 176 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 177 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 178 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 179 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| 180 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

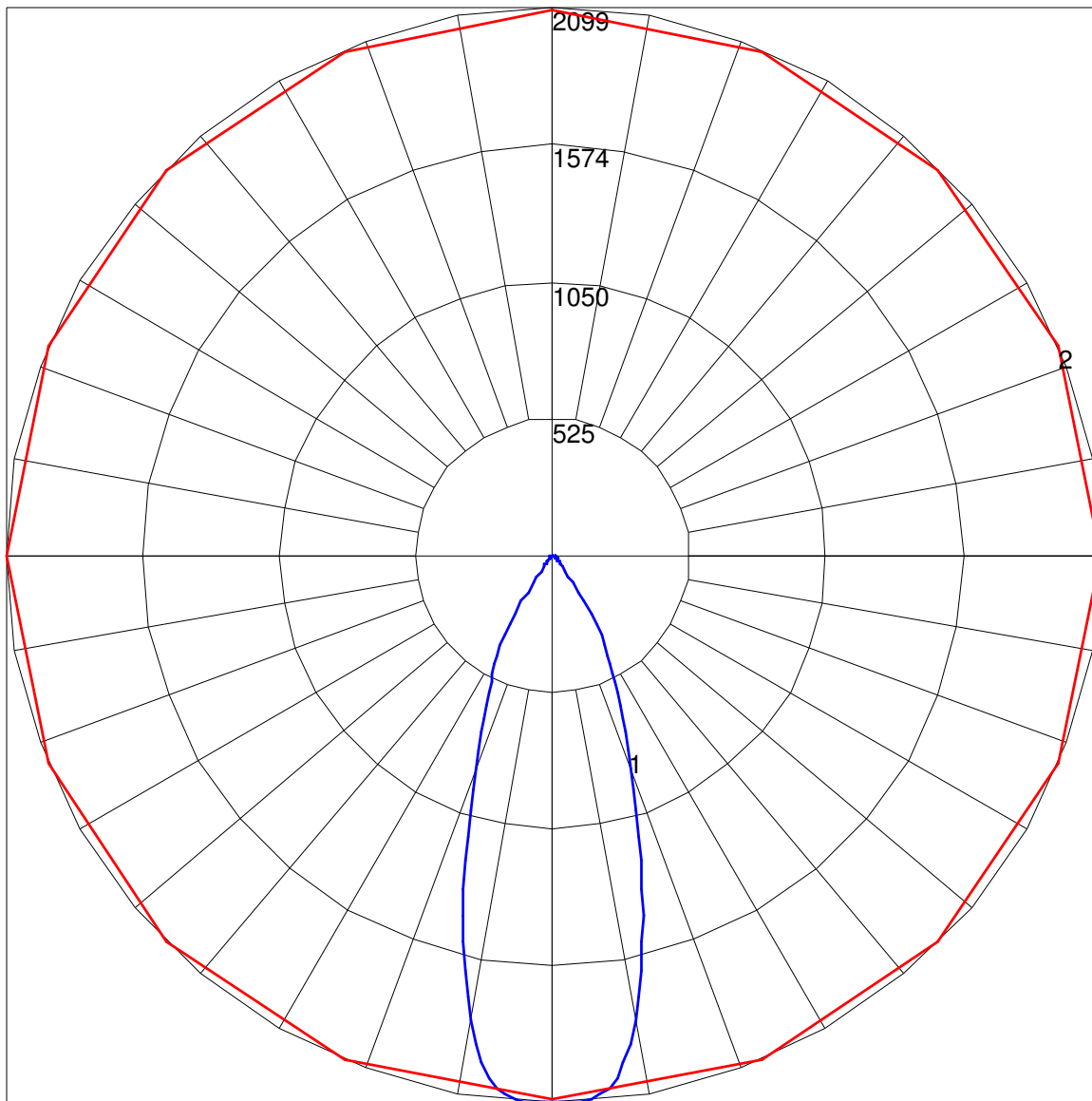
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 493.0 | 50.0 |
| Downward House Side | 493.0 | 50.0 |
| Downward Total | 986.0 | 100.0 |
| Upward Street Side | 0.0 | 0.0 |
| Upward House Side | 0.0 | 0.0 |
| Upward Total | 0.0 | 0.0 |
| Total Flux | 986.0 | 100.0 |

POLAR GRAPH



Maximum Candela = 2099.325 Located At Horizontal Angle = 0, Vertical Angle = 2
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (2) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

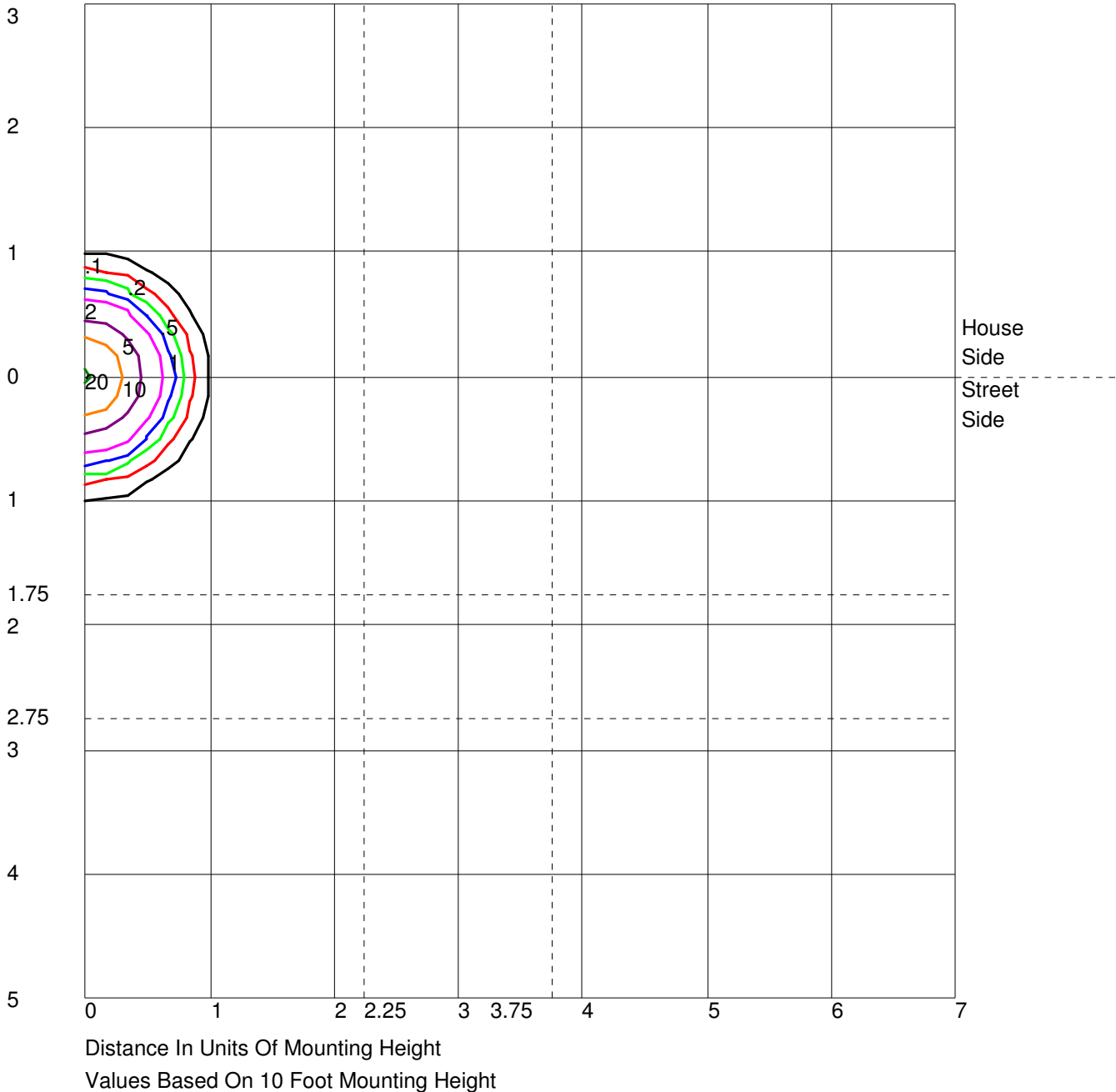


PHOTO IES R

