

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CR-XX-L30-935-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-L30-935-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 | 2694 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 100 |
| Total Luminaire Watts | 27 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.00 |
| Maximum Candela | 5735.373 |
| Maximum Candela Angle | 0H 2V |
| Maximum Candela (<90 Degrees Vertical) | 5735.373 |
| Maximum Candela Angle (<90 Degrees Vertical) | 0H 2V |
| Maximum Candela At 90 Degrees Vertical | .206 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 4.475 (0.2% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-M-XXX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1128.2 | N.A. | 41.9 |
| FM - Front-Medium (30-60) | 203.8 | N.A. | 7.6 |
| FH - Front-High (60-80) | 14.2 | N.A. | 0.5 |
| FVH - Front-Very High (80-90) | 0.7 | N.A. | 0.0 |
| BL - Back-Low (0-30) | 1128.2 | N.A. | 41.9 |
| BM - Back-Medium (30-60) | 203.8 | N.A. | 7.6 |
| BH - Back-High (60-80) | 14.2 | N.A. | 0.5 |
| BVH - Back-Very High (80-90) | 0.7 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 0.2 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | < 0.05 | N.A. | 0.0 |
| Total | 2694.0 | N.A. | 100.0 |
| BUG Rating | B3-U1-G0 | | |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-M-XXX_.IES****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 | 5722.370 | 5722.370 | 5722.370 | 5722.370 | 5722.370 |
| 1 | 5729.726 | 5729.583 | 5726.997 | 5725.153 | 5722.835 |
| 2 | 5735.373 | 5731.802 | 5724.741 | 5717.994 | 5711.129 |
| 3 | 5732.241 | 5727.901 | 5715.228 | 5702.610 | 5691.602 |
| 4 | 5722.236 | 5712.991 | 5693.830 | 5675.019 | 5663.626 |
| 5 | 5686.295 | 5675.055 | 5649.764 | 5624.168 | 5611.559 |
| 6 | 5623.560 | 5608.650 | 5574.070 | 5542.577 | 5526.522 |
| 7 | 5518.834 | 5500.578 | 5461.836 | 5430.191 | 5406.672 |
| 8 | 5372.458 | 5354.399 | 5315.505 | 5286.392 | 5256.412 |
| 9 | 5183.716 | 5170.006 | 5136.696 | 5110.233 | 5079.402 |
| 10 | 4958.828 | 4955.194 | 4927.371 | 4906.769 | 4883.510 |
| 11 | 4708.317 | 4711.136 | 4694.257 | 4679.607 | 4659.328 |
| 12 | 4445.170 | 4446.798 | 4440.784 | 4436.167 | 4416.755 |
| 13 | 4174.138 | 4176.053 | 4180.626 | 4181.342 | 4162.996 |
| 14 | 3895.902 | 3897.692 | 3912.736 | 3918.437 | 3902.766 |
| 15 | 3617.317 | 3620.942 | 3640.791 | 3651.808 | 3639.019 |
| 16 | 3343.789 | 3349.024 | 3369.527 | 3384.723 | 3375.129 |
| 17 | 3078.270 | 3089.877 | 3104.187 | 3124.270 | 3115.812 |
| 18 | 2826.792 | 2839.205 | 2852.916 | 2870.537 | 2865.382 |
| 19 | 2592.042 | 2600.669 | 2617.619 | 2633.280 | 2625.870 |
| 20 | 2381.293 | 2381.499 | 2398.297 | 2414.710 | 2409.474 |
| 21 | 2180.013 | 2180.478 | 2195.495 | 2212.096 | 2204.722 |
| 22 | 2003.424 | 2000.059 | 2015.926 | 2029.726 | 2025.878 |
| 23 | 1850.443 | 1845.091 | 1860.073 | 1870.427 | 1870.391 |
| 24 | 1715.684 | 1711.075 | 1723.022 | 1731.139 | 1731.783 |
| 25 | 1596.111 | 1593.695 | 1600.809 | 1608.765 | 1608.300 |
| 26 | 1491.565 | 1488.047 | 1490.902 | 1498.706 | 1495.413 |
| 27 | 1393.649 | 1388.405 | 1390.132 | 1395.260 | 1394.070 |
| 28 | 1297.381 | 1290.848 | 1288.817 | 1294.705 | 1302.473 |
| 29 | 1196.638 | 1192.342 | 1188.163 | 1191.340 | 1195.126 |
| 30 | 1093.971 | 1085.836 | 1077.790 | 1084.234 | 1086.337 |
| 31 | 975.079 | 969.602 | 962.075 | 965.905 | 968.886 |
| 32 | 848.749 | 846.002 | 838.422 | 845.536 | 846.190 |
| 33 | 717.346 | 716.370 | 711.448 | 718.974 | 720.675 |
| 34 | 587.338 | 588.045 | 586.121 | 593.898 | 594.963 |
| 35 | 467.381 | 467.945 | 468.732 | 478.227 | 478.317 |
| 36 | 362.915 | 365.385 | 367.604 | 378.514 | 377.117 |
| 37 | 276.124 | 279.471 | 285.404 | 291.553 | 291.723 |
| 38 | 215.125 | 211.205 | 218.221 | 227.010 | 225.220 |
| 39 | 162.136 | 165.071 | 173.922 | 175.255 | 181.028 |
| 40 | 132.451 | 133.220 | 137.301 | 141.051 | 143.181 |
| 41 | 110.623 | 112.744 | 115.563 | 116.440 | 117.353 |
| 42 | 96.877 | 97.387 | 99.454 | 101.173 | 100.421 |
| 43 | 86.800 | 87.238 | 88.554 | 88.769 | 88.527 |
| 44 | 78.951 | 79.488 | 80.222 | 80.052 | 79.605 |
| 45 | 72.418 | 73.018 | 73.456 | 73.054 | 72.633 |
| 46 | 66.664 | 67.201 | 67.568 | 67.067 | 66.646 |
| 47 | 61.321 | 61.867 | 62.180 | 61.697 | 61.169 |
| 48 | 56.506 | 57.016 | 57.303 | 56.828 | 56.283 |
| 49 | 52.193 | 52.613 | 52.864 | 52.408 | 51.835 |
| 50 | 48.255 | 48.577 | 48.828 | 48.389 | 47.843 |
| 51 | 44.720 | 45.015 | 45.203 | 44.801 | 44.290 |
| 52 | 41.561 | 41.794 | 41.928 | 41.597 | 41.078 |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-----|--------|--------|--------|--------|--------|
| 53 | 38.760 | 38.912 | 39.037 | 38.751 | 38.241 |
| 54 | 36.245 | 36.361 | 36.451 | 36.164 | 35.717 |
| 55 | 33.927 | 33.990 | 34.088 | 33.802 | 33.426 |
| 56 | 31.690 | 31.779 | 31.824 | 31.600 | 31.296 |
| 57 | 29.676 | 29.739 | 29.766 | 29.569 | 29.327 |
| 58 | 27.895 | 27.940 | 27.958 | 27.770 | 27.546 |
| 59 | 26.293 | 26.311 | 26.302 | 26.132 | 25.944 |
| 60 | 24.834 | 24.826 | 24.817 | 24.656 | 24.494 |
| 61 | 23.501 | 23.465 | 23.447 | 23.295 | 23.143 |
| 62 | 22.266 | 22.230 | 22.185 | 22.042 | 21.890 |
| 63 | 21.129 | 21.067 | 21.022 | 20.870 | 20.718 |
| 64 | 20.011 | 19.957 | 19.903 | 19.751 | 19.608 |
| 65 | 18.955 | 18.910 | 18.838 | 18.695 | 18.552 |
| 66 | 17.917 | 17.872 | 17.782 | 17.648 | 17.505 |
| 67 | 16.914 | 16.870 | 16.780 | 16.637 | 16.512 |
| 68 | 15.930 | 15.885 | 15.796 | 15.643 | 15.527 |
| 69 | 14.945 | 14.910 | 14.820 | 14.677 | 14.543 |
| 70 | 13.988 | 13.934 | 13.854 | 13.719 | 13.576 |
| 71 | 13.030 | 12.959 | 12.887 | 12.762 | 12.628 |
| 72 | 12.064 | 11.992 | 11.930 | 11.804 | 11.697 |
| 73 | 11.097 | 11.035 | 10.972 | 10.865 | 10.739 |
| 74 | 10.131 | 10.086 | 10.014 | 9.925 | 9.835 |
| 75 | 9.191 | 9.155 | 9.084 | 9.003 | 8.923 |
| 76 | 8.242 | 8.224 | 8.153 | 8.090 | 8.028 |
| 77 | 7.321 | 7.303 | 7.249 | 7.204 | 7.151 |
| 78 | 6.381 | 6.372 | 6.345 | 6.291 | 6.282 |
| 79 | 5.441 | 5.432 | 5.414 | 5.396 | 5.388 |
| 80 | 4.457 | 4.475 | 4.457 | 4.475 | 4.439 |
| 81 | 3.374 | 3.410 | 3.383 | 3.383 | 3.347 |
| 82 | 1.906 | 1.951 | 1.978 | 1.996 | 2.014 |
| 83 | 0.859 | 0.877 | 0.993 | 1.065 | 1.146 |
| 84 | 0.788 | 0.796 | 0.796 | 0.788 | 0.788 |
| 85 | 0.725 | 0.725 | 0.725 | 0.725 | 0.725 |
| 86 | 0.644 | 0.644 | 0.653 | 0.644 | 0.644 |
| 87 | 0.546 | 0.546 | 0.546 | 0.555 | 0.546 |
| 88 | 0.421 | 0.430 | 0.430 | 0.430 | 0.421 |
| 89 | 0.286 | 0.295 | 0.295 | 0.295 | 0.295 |
| 90 | 0.170 | 0.179 | 0.197 | 0.206 | 0.206 |
| 91 | 0.170 | 0.179 | 0.179 | 0.179 | 0.170 |
| 92 | 0.170 | 0.170 | 0.179 | 0.179 | 0.179 |
| 93 | 0.170 | 0.179 | 0.179 | 0.179 | 0.179 |
| 94 | 0.170 | 0.179 | 0.179 | 0.179 | 0.179 |
| 95 | 0.179 | 0.179 | 0.179 | 0.188 | 0.179 |
| 96 | 0.179 | 0.179 | 0.188 | 0.188 | 0.179 |
| 97 | 0.179 | 0.188 | 0.188 | 0.188 | 0.179 |
| 98 | 0.179 | 0.197 | 0.197 | 0.188 | 0.188 |
| 99 | 0.188 | 0.197 | 0.197 | 0.197 | 0.188 |
| 100 | 0.188 | 0.197 | 0.197 | 0.197 | 0.188 |
| 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 |

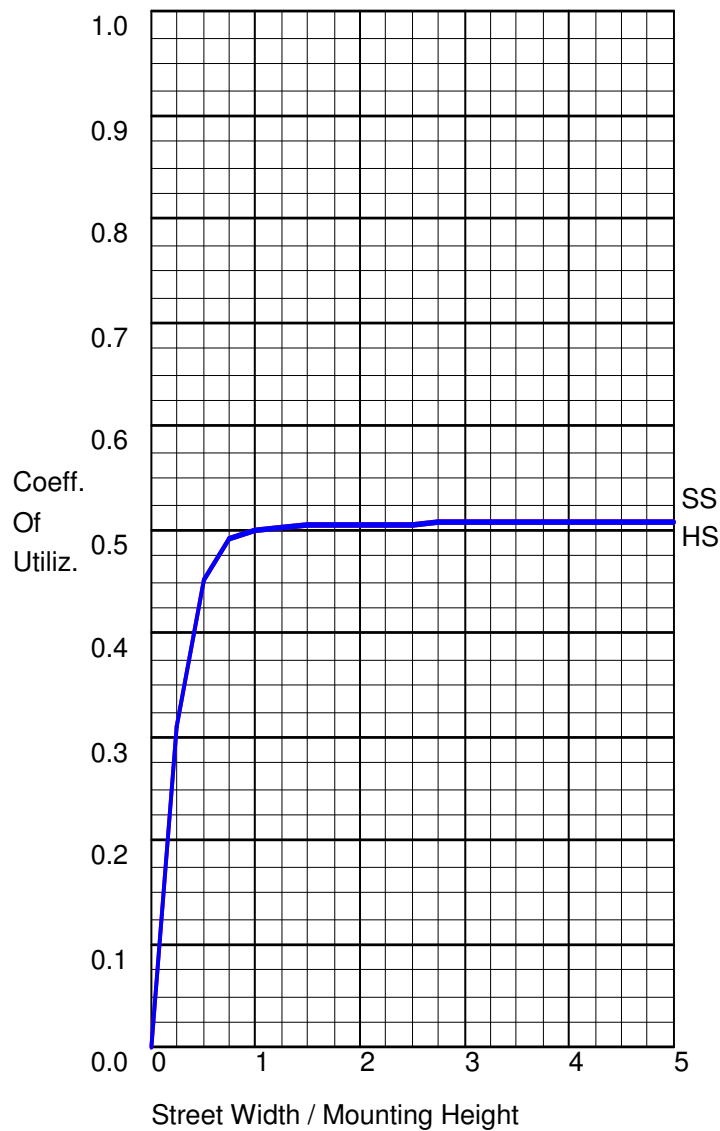
IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-M-XXX_.IES****CANDELA TABULATION - (Cont.)**

| | | | | | |
|-----|-------|-------|-------|-------|-------|
| 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-L30-935-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 |

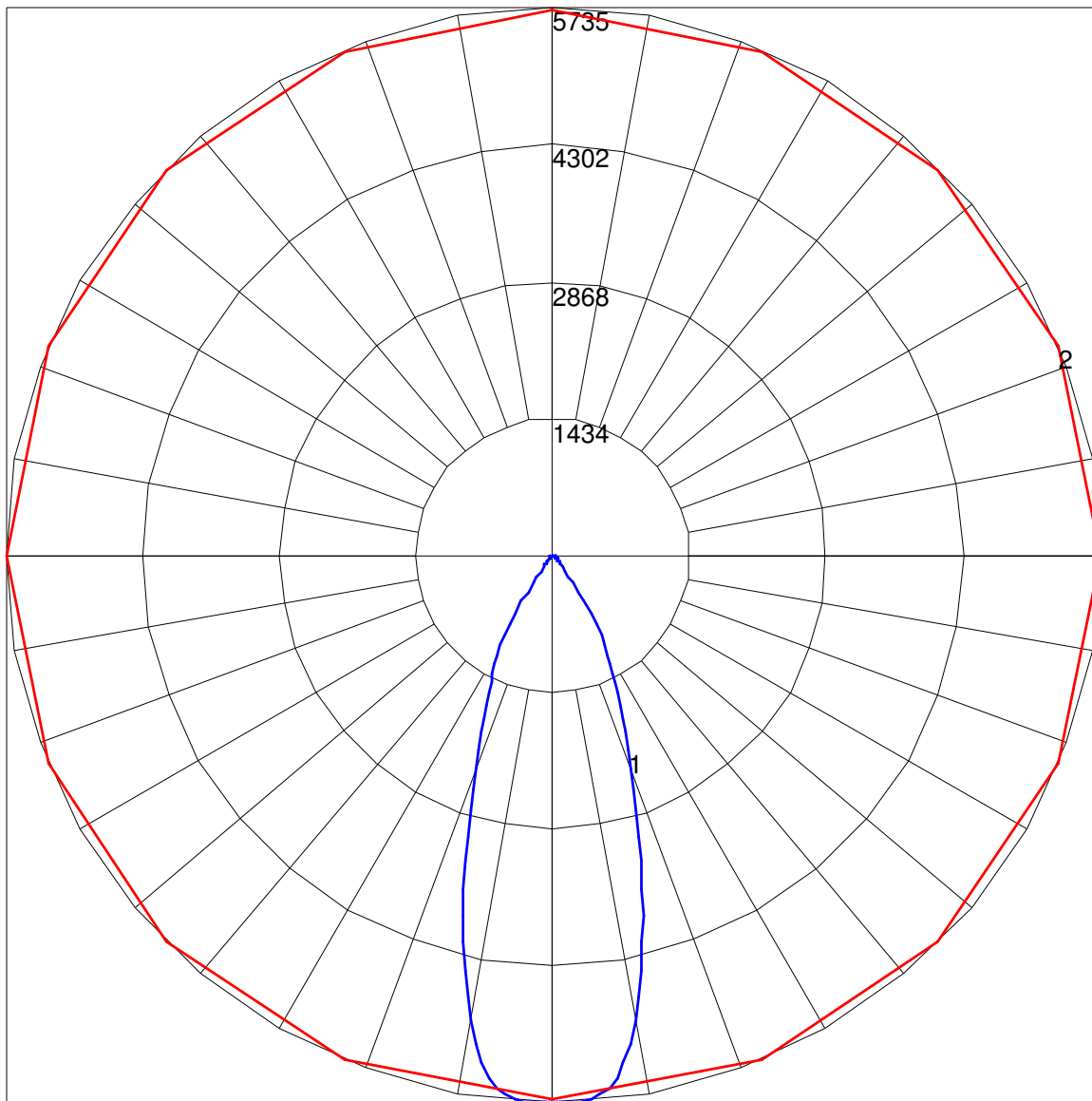
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 1346.8 | 50.0 |
| Downward House Side | 1346.8 | 50.0 |
| Downward Total | 2693.6 | 100.0 |
| Upward Street Side | 0.1 | 0.0 |
| Upward House Side | 0.1 | 0.0 |
| Upward Total | 0.2 | 0.0 |
| Total Flux | 2693.8 | 100.0 |

POLAR GRAPH



Maximum Candela = 5735.373 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.)

PHOTOMETRIC FILENAME : W6CR-XX-L30-935-XXX-DIM-UNV-M-XXX_.IES

Distance In Units Of Mounting Height

Values Based On 10 Foot Mounting Height

House Side

Street Side

PHOTO IES R

