

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] GEN FROM W6CR_Angela-M_(V22)_measured

[TESTLAB] LEDIL Inc

[TESTDATE] 21 Aug 2024

[ISSUEDATE] 2025-08-08

[MANUFAC] H.E. WILLIAMS, INC.

[LUMCAT] W6CRDI-xx-L50-935U-L50-935D-xxx-DIM-UNV-N-xx

[LUMINAIRE] 6 INCH ROUND WET LOCATION LED

[MORE] DIRECT/INDIRECT CYLINDER WITH NARROW DIST

[LAMPCAT] BL V18 COB

[LAMP] LED

[OTHER] Absolute Photometry

[_CONVERT] Photometric web converted from original test data

[_CONVERT] Luminaire test position and photometric web converted from original test data

CHARACTERISTICS

| | |
|---|------------------------------|
| IES Classification | Type VS |
| Longitudinal Classification | Very Short |
| Lumens Per Lamp | N.A. (absolute) |
| Total Lamp Lumens | N.A. (absolute) |
| Luminaire Lumens | 8809 |
| Downward Total Efficiency | N.A. (absolute) |
| Total Luminaire Efficiency | N.A. (absolute) |
| Luminaire Efficacy Rating (LER) | 98 |
| Total Luminaire Watts | 90 |
| Ballast Factor | 1.00 |
| Upward Waste Light Ratio | 0.50 |
| Maximum Candela | 10716.558 |
| Maximum Candela Angle | 360H 0V |
| Maximum Candela (<90 Degrees Vertical) | 10716.558 |
| Maximum Candela Angle (<90 Degrees Vertical) | 360H 0V |
| Maximum Candela At 90 Degrees Vertical | .787 (0.0% Luminaire Lumens) |
| Maximum Candela from 80 to <90 Degrees Vertical | 9.1 (0.1% Luminaire Lumens) |
| Cutoff Classification (deprecated) | N.A. (absolute) |

IES ROAD REPORT**PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_.IES****LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

| | Lumens | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30) | 1695.9 | N.A. | 19.3 |
| FM - Front-Medium (30-60) | 471.4 | N.A. | 5.4 |
| FH - Front-High (60-80) | 33.1 | N.A. | 0.4 |
| FVH - Front-Very High (80-90) | 1.8 | N.A. | 0.0 |
| BL - Back-Low (0-30) | 1695.9 | N.A. | 19.3 |
| BM - Back-Medium (30-60) | 471.4 | N.A. | 5.4 |
| BH - Back-High (60-80) | 33.1 | N.A. | 0.4 |
| BVH - Back-Very High (80-90) | 1.8 | N.A. | 0.0 |
| UL - Uplight-Low (90-100) | 3.7 | N.A. | 0.0 |
| UH - Uplight-High (100-180) | 4400.7 | N.A. | 50.0 |
| Total | 8808.8 | N.A. | 100.0 |
| BUG Rating | B3-U5-G0 | | |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9631.616 | 9645.314 | 9659.011 | 9672.693 | 9686.391 | 9708.889 | 9740.189 | 9771.473 | 9802.773 | 9834.072 |
| 10 | 7003.240 | 7017.174 | 7031.123 | 7045.057 | 7058.991 | 7080.844 | 7110.601 | 7140.373 | 7170.130 | 7199.887 |
| 15 | 4611.029 | 4616.115 | 4621.216 | 4626.301 | 4631.387 | 4642.345 | 4659.160 | 4675.959 | 4692.774 | 4709.589 |
| 20 | 3210.365 | 3214.018 | 3217.671 | 3221.339 | 3224.992 | 3230.833 | 3238.863 | 3246.908 | 3254.938 | 3262.967 |
| 25 | 2544.758 | 2544.222 | 2543.687 | 2543.136 | 2542.601 | 2543.294 | 2545.214 | 2547.119 | 2549.040 | 2550.961 |
| 30 | 1967.224 | 1962.658 | 1958.092 | 1953.526 | 1948.960 | 1943.387 | 1936.790 | 1930.193 | 1923.612 | 1917.015 |
| 35 | 991.767 | 992.051 | 992.319 | 992.602 | 992.870 | 993.940 | 995.814 | 997.672 | 999.545 | 1001.403 |
| 40 | 355.680 | 357.633 | 359.569 | 361.522 | 363.458 | 366.670 | 371.141 | 375.628 | 380.100 | 384.571 |
| 45 | 216.343 | 216.406 | 216.469 | 216.516 | 216.579 | 216.579 | 216.516 | 216.453 | 216.390 | 216.327 |
| 50 | 152.295 | 152.185 | 152.090 | 151.980 | 151.870 | 151.649 | 151.287 | 150.941 | 150.579 | 150.232 |
| 55 | 104.920 | 104.810 | 104.700 | 104.590 | 104.479 | 104.291 | 104.007 | 103.739 | 103.456 | 103.173 |
| 60 | 69.212 | 69.149 | 69.070 | 69.007 | 68.929 | 68.803 | 68.630 | 68.456 | 68.267 | 68.094 |
| 65 | 45.832 | 45.769 | 45.706 | 45.627 | 45.564 | 45.485 | 45.391 | 45.312 | 45.218 | 45.123 |
| 70 | 30.072 | 30.040 | 29.993 | 29.961 | 29.914 | 29.867 | 29.820 | 29.773 | 29.710 | 29.662 |
| 75 | 18.500 | 18.484 | 18.452 | 18.437 | 18.421 | 18.389 | 18.374 | 18.342 | 18.326 | 18.295 |
| 80 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.943 | 8.959 | 8.959 | 8.974 |
| 85 | 1.874 | 1.874 | 1.874 | 1.889 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 |
| 90 | 0.630 | 0.630 | 0.661 | 0.661 | 0.693 | 0.693 | 0.693 | 0.724 | 0.724 | 0.724 |
| 95 | 1.874 | 1.874 | 1.874 | 1.889 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 |
| 100 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.943 | 8.959 | 8.959 | 8.974 |
| 105 | 18.500 | 18.484 | 18.452 | 18.437 | 18.421 | 18.389 | 18.374 | 18.342 | 18.326 | 18.295 |
| 110 | 30.072 | 30.040 | 29.993 | 29.961 | 29.914 | 29.867 | 29.820 | 29.773 | 29.710 | 29.662 |
| 115 | 45.832 | 45.769 | 45.706 | 45.627 | 45.564 | 45.485 | 45.391 | 45.312 | 45.218 | 45.123 |
| 120 | 69.212 | 69.149 | 69.070 | 69.007 | 68.929 | 68.803 | 68.630 | 68.456 | 68.267 | 68.094 |
| 125 | 104.920 | 104.810 | 104.700 | 104.590 | 104.479 | 104.291 | 104.007 | 103.739 | 103.456 | 103.173 |
| 130 | 152.295 | 152.185 | 152.090 | 151.980 | 151.870 | 151.649 | 151.287 | 150.941 | 150.579 | 150.232 |
| 135 | 216.343 | 216.406 | 216.469 | 216.516 | 216.579 | 216.579 | 216.516 | 216.453 | 216.390 | 216.327 |
| 140 | 355.680 | 357.633 | 359.569 | 361.522 | 363.458 | 366.670 | 371.141 | 375.628 | 380.100 | 384.571 |
| 145 | 991.767 | 992.051 | 992.319 | 992.602 | 992.870 | 993.940 | 995.814 | 997.672 | 999.545 | 1001.403 |
| 150 | 1967.224 | 1962.658 | 1958.092 | 1953.526 | 1948.960 | 1943.387 | 1936.790 | 1930.193 | 1923.612 | 1917.015 |
| 155 | 2544.758 | 2544.222 | 2543.687 | 2543.136 | 2542.601 | 2543.294 | 2545.214 | 2547.119 | 2549.040 | 2550.961 |
| 160 | 3210.365 | 3214.018 | 3217.671 | 3221.339 | 3224.992 | 3230.833 | 3238.863 | 3246.908 | 3254.938 | 3262.967 |
| 165 | 4611.029 | 4616.115 | 4621.216 | 4626.301 | 4631.387 | 4642.345 | 4659.160 | 4675.959 | 4692.774 | 4709.589 |
| 170 | 7003.240 | 7017.174 | 7031.123 | 7045.057 | 7058.991 | 7080.844 | 7110.601 | 7140.373 | 7170.130 | 7199.887 |
| 175 | 9631.616 | 9645.314 | 9659.011 | 9672.693 | 9686.391 | 9708.889 | 9740.189 | 9771.489 | 9802.773 | 9834.072 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

| Vert. Angles | Horizontal Angles | | | | | | | | | |
|-----------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 |
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9863.436 | 9892.799 | 9922.162 | 9951.525 | 9970.056 | 9977.771 | 9985.470 | 9993.185 | 10000.900 | 9993.185 |
| 10 | 7227.329 | 7254.772 | 7282.214 | 7309.656 | 7327.227 | 7334.910 | 7342.594 | 7350.277 | 7357.960 | 7350.277 |
| 15 | 4723.460 | 4737.346 | 4751.217 | 4765.088 | 4772.472 | 4773.369 | 4774.251 | 4775.148 | 4776.030 | 4775.148 |
| 20 | 3269.249 | 3275.516 | 3281.798 | 3288.080 | 3291.638 | 3292.488 | 3293.322 | 3294.173 | 3295.023 | 3294.173 |
| 25 | 2552.000 | 2553.039 | 2554.078 | 2555.118 | 2556.456 | 2558.109 | 2559.746 | 2561.400 | 2563.037 | 2561.400 |
| 30 | 1913.174 | 1909.348 | 1905.506 | 1901.680 | 1900.436 | 1901.806 | 1903.176 | 1904.546 | 1905.915 | 1904.546 |
| 35 | 1005.859 | 1010.314 | 1014.770 | 1019.226 | 1022.941 | 1025.885 | 1028.830 | 1031.790 | 1034.734 | 1031.790 |
| 40 | 388.255 | 391.955 | 395.640 | 399.339 | 401.937 | 403.449 | 404.944 | 406.456 | 407.967 | 406.456 |
| 45 | 215.965 | 215.603 | 215.241 | 214.879 | 214.375 | 213.761 | 213.147 | 212.517 | 211.903 | 212.517 |
| 50 | 149.697 | 149.178 | 148.642 | 148.123 | 147.666 | 147.288 | 146.926 | 146.548 | 146.170 | 146.548 |
| 55 | 102.779 | 102.401 | 102.008 | 101.614 | 101.283 | 101.000 | 100.717 | 100.433 | 100.150 | 100.433 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 60 | 67.858 | 67.638 | 67.402 | 67.165 | 66.976 | 66.803 | 66.646 | 66.473 | 66.315 | 66.473 |
| 65 | 44.982 | 44.856 | 44.714 | 44.572 | 44.446 | 44.320 | 44.194 | 44.068 | 43.942 | 44.068 |
| 70 | 29.599 | 29.521 | 29.458 | 29.379 | 29.300 | 29.221 | 29.143 | 29.064 | 28.985 | 29.064 |
| 75 | 18.263 | 18.232 | 18.216 | 18.185 | 18.153 | 18.106 | 18.075 | 18.027 | 17.996 | 18.027 |
| 80 | 9.006 | 9.037 | 9.053 | 9.084 | 9.100 | 9.084 | 9.084 | 9.069 | 9.053 | 9.069 |
| 85 | 1.874 | 1.874 | 1.858 | 1.858 | 1.858 | 1.858 | 1.842 | 1.842 | 1.842 | 1.842 |
| 90 | 0.724 | 0.724 | 0.756 | 0.756 | 0.756 | 0.756 | 0.787 | 0.787 | 0.787 | 0.787 |
| 95 | 1.874 | 1.874 | 1.858 | 1.858 | 1.858 | 1.858 | 1.842 | 1.842 | 1.842 | 1.842 |
| 100 | 9.006 | 9.037 | 9.053 | 9.084 | 9.100 | 9.084 | 9.084 | 9.069 | 9.053 | 9.069 |
| 105 | 18.263 | 18.232 | 18.216 | 18.185 | 18.153 | 18.106 | 18.075 | 18.027 | 17.996 | 18.027 |
| 110 | 29.599 | 29.521 | 29.458 | 29.379 | 29.300 | 29.221 | 29.143 | 29.064 | 28.985 | 29.064 |
| 115 | 44.982 | 44.856 | 44.714 | 44.572 | 44.446 | 44.320 | 44.194 | 44.068 | 43.942 | 44.068 |
| 120 | 67.858 | 67.638 | 67.402 | 67.165 | 66.976 | 66.803 | 66.646 | 66.473 | 66.315 | 66.473 |
| 125 | 102.779 | 102.401 | 102.008 | 101.614 | 101.283 | 101.000 | 100.717 | 100.433 | 100.150 | 100.433 |
| 130 | 149.697 | 149.178 | 148.642 | 148.123 | 147.666 | 147.288 | 146.926 | 146.548 | 146.170 | 146.548 |
| 135 | 215.965 | 215.603 | 215.241 | 214.879 | 214.375 | 213.761 | 213.147 | 212.517 | 211.903 | 212.517 |
| 140 | 388.255 | 391.955 | 395.640 | 399.339 | 401.937 | 403.449 | 404.944 | 406.456 | 407.967 | 406.456 |
| 145 | 1005.859 | 1010.314 | 1014.770 | 1019.226 | 1022.941 | 1025.885 | 1028.830 | 1031.790 | 1034.734 | 1031.790 |
| 150 | 1913.174 | 1909.348 | 1905.506 | 1901.680 | 1900.436 | 1901.806 | 1903.176 | 1904.546 | 1905.915 | 1904.546 |
| 155 | 2552.000 | 2553.039 | 2554.078 | 2555.118 | 2556.456 | 2558.109 | 2559.746 | 2561.400 | 2563.037 | 2561.400 |
| 160 | 3269.249 | 3275.516 | 3281.798 | 3288.080 | 3291.638 | 3292.488 | 3293.322 | 3294.173 | 3295.023 | 3294.173 |
| 165 | 4723.460 | 4737.346 | 4751.217 | 4765.088 | 4772.472 | 4773.369 | 4774.251 | 4775.148 | 4776.030 | 4775.148 |
| 170 | 7227.329 | 7254.772 | 7282.214 | 7309.656 | 7327.227 | 7334.910 | 7342.594 | 7350.277 | 7357.960 | 7350.277 |
| 175 | 9863.436 | 9892.799 | 9922.162 | 9951.525 | 9970.056 | 9977.771 | 9985.486 | 9993.185 | 10000.900 | 9993.185 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert. Angles

Horizontal Angles

| | <u>100</u> | <u>105</u> | <u>110</u> | <u>115</u> | <u>120</u> | <u>125</u> | <u>130</u> | <u>135</u> | <u>140</u> | <u>145</u> |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9985.470 | 9977.771 | 9970.056 | 9951.525 | 9922.162 | 9892.799 | 9863.436 | 9834.072 | 9802.773 | 9771.473 |
| 10 | 7342.594 | 7334.910 | 7327.227 | 7309.656 | 7282.214 | 7254.772 | 7227.329 | 7199.887 | 7170.130 | 7140.373 |
| 15 | 4774.251 | 4773.369 | 4772.472 | 4765.088 | 4751.217 | 4737.346 | 4723.460 | 4709.589 | 4692.774 | 4675.959 |
| 20 | 3293.322 | 3292.488 | 3291.638 | 3288.080 | 3281.798 | 3275.516 | 3269.249 | 3262.967 | 3254.938 | 3246.908 |
| 25 | 2559.746 | 2558.109 | 2556.456 | 2555.118 | 2554.078 | 2553.039 | 2552.000 | 2550.961 | 2549.040 | 2547.119 |
| 30 | 1903.176 | 1901.806 | 1900.436 | 1901.680 | 1905.506 | 1909.348 | 1913.174 | 1917.015 | 1923.612 | 1930.193 |
| 35 | 1028.830 | 1025.885 | 1022.941 | 1019.226 | 1014.770 | 1010.314 | 1005.859 | 1001.403 | 999.545 | 997.672 |
| 40 | 404.944 | 403.449 | 401.937 | 399.339 | 395.640 | 391.955 | 388.255 | 384.571 | 380.100 | 375.628 |
| 45 | 213.147 | 213.761 | 214.375 | 214.879 | 215.241 | 215.603 | 215.965 | 216.327 | 216.390 | 216.453 |
| 50 | 146.926 | 147.288 | 147.666 | 148.123 | 148.642 | 149.178 | 149.697 | 150.232 | 150.579 | 150.941 |
| 55 | 100.717 | 101.000 | 101.283 | 101.614 | 102.008 | 102.401 | 102.779 | 103.173 | 103.456 | 103.739 |
| 60 | 66.646 | 66.803 | 66.976 | 67.165 | 67.402 | 67.638 | 67.858 | 68.094 | 68.267 | 68.456 |
| 65 | 44.194 | 44.320 | 44.446 | 44.572 | 44.714 | 44.856 | 44.982 | 45.123 | 45.218 | 45.312 |
| 70 | 29.143 | 29.221 | 29.300 | 29.379 | 29.458 | 29.521 | 29.599 | 29.662 | 29.710 | 29.773 |
| 75 | 18.075 | 18.106 | 18.153 | 18.185 | 18.216 | 18.232 | 18.263 | 18.295 | 18.326 | 18.342 |
| 80 | 9.084 | 9.084 | 9.100 | 9.084 | 9.053 | 9.037 | 9.006 | 8.974 | 8.959 | 8.959 |
| 85 | 1.842 | 1.858 | 1.858 | 1.858 | 1.858 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 |
| 90 | 0.787 | 0.756 | 0.756 | 0.756 | 0.756 | 0.724 | 0.724 | 0.724 | 0.724 | 0.724 |
| 95 | 1.842 | 1.858 | 1.858 | 1.858 | 1.858 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 |
| 100 | 9.084 | 9.084 | 9.100 | 9.084 | 9.053 | 9.037 | 9.006 | 8.974 | 8.959 | 8.959 |
| 105 | 18.075 | 18.106 | 18.153 | 18.185 | 18.216 | 18.232 | 18.263 | 18.295 | 18.326 | 18.342 |
| 110 | 29.143 | 29.221 | 29.300 | 29.379 | 29.458 | 29.521 | 29.599 | 29.662 | 29.710 | 29.773 |
| 115 | 44.194 | 44.320 | 44.446 | 44.572 | 44.714 | 44.856 | 44.982 | 45.123 | 45.218 | 45.312 |
| 120 | 66.646 | 66.803 | 66.976 | 67.165 | 67.402 | 67.638 | 67.858 | 68.094 | 68.267 | 68.456 |
| 125 | 100.717 | 101.000 | 101.283 | 101.614 | 102.008 | 102.401 | 102.779 | 103.173 | 103.456 | 103.739 |
| 130 | 146.926 | 147.288 | 147.666 | 148.123 | 148.642 | 149.178 | 149.697 | 150.232 | 150.579 | 150.941 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_.IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 135 | 213.147 | 213.761 | 214.375 | 214.879 | 215.241 | 215.603 | 215.965 | 216.327 | 216.390 | 216.453 |
| 140 | 404.944 | 403.449 | 401.937 | 399.339 | 395.640 | 391.955 | 388.255 | 384.571 | 380.100 | 375.628 |
| 145 | 1028.830 | 1025.885 | 1022.941 | 1019.226 | 1014.770 | 1010.314 | 1005.859 | 1001.403 | 999.545 | 997.672 |
| 150 | 1903.176 | 1901.806 | 1900.436 | 1901.680 | 1905.506 | 1909.348 | 1913.174 | 1917.015 | 1923.612 | 1930.193 |
| 155 | 2559.746 | 2558.109 | 2556.456 | 2555.118 | 2554.078 | 2553.039 | 2552.000 | 2550.961 | 2549.040 | 2547.119 |
| 160 | 3293.322 | 3292.488 | 3291.638 | 3288.080 | 3281.798 | 3275.516 | 3269.249 | 3262.967 | 3254.938 | 3246.908 |
| 165 | 4774.251 | 4773.369 | 4772.472 | 4765.088 | 4751.217 | 4737.346 | 4723.460 | 4709.589 | 4692.774 | 4675.959 |
| 170 | 7342.594 | 7334.910 | 7327.227 | 7309.656 | 7282.214 | 7254.772 | 7227.329 | 7199.887 | 7170.130 | 7140.373 |
| 175 | 9985.486 | 9977.771 | 9970.056 | 9951.525 | 9922.162 | 9892.799 | 9863.436 | 9834.072 | 9802.773 | 9771.489 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert. Angles

Horizontal Angles

| | <u>150</u> | <u>155</u> | <u>160</u> | <u>165</u> | <u>170</u> | <u>175</u> | <u>180</u> | <u>185</u> | <u>190</u> | <u>195</u> |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9740.189 | 9708.889 | 9686.391 | 9672.693 | 9659.011 | 9645.314 | 9631.616 | 9645.314 | 9659.011 | 9672.693 |
| 10 | 7110.601 | 7080.844 | 7058.991 | 7045.057 | 7031.123 | 7017.174 | 7003.240 | 7017.174 | 7031.123 | 7045.057 |
| 15 | 4659.160 | 4642.345 | 4631.387 | 4626.301 | 4621.216 | 4616.115 | 4611.029 | 4616.115 | 4621.216 | 4626.301 |
| 20 | 3238.863 | 3230.833 | 3224.992 | 3221.339 | 3217.671 | 3214.018 | 3210.365 | 3214.018 | 3217.671 | 3221.339 |
| 25 | 2545.214 | 2543.294 | 2542.601 | 2543.136 | 2543.687 | 2544.222 | 2544.758 | 2544.222 | 2543.687 | 2543.136 |
| 30 | 1936.790 | 1943.387 | 1948.960 | 1953.526 | 1958.092 | 1962.658 | 1967.224 | 1962.658 | 1958.092 | 1953.526 |
| 35 | 995.814 | 993.940 | 992.870 | 992.602 | 992.319 | 992.051 | 991.767 | 992.051 | 992.319 | 992.602 |
| 40 | 371.141 | 366.670 | 363.458 | 361.522 | 359.569 | 357.633 | 355.680 | 357.633 | 359.569 | 361.522 |
| 45 | 216.516 | 216.579 | 216.579 | 216.516 | 216.469 | 216.406 | 216.343 | 216.406 | 216.469 | 216.516 |
| 50 | 151.287 | 151.649 | 151.870 | 151.980 | 152.090 | 152.185 | 152.295 | 152.185 | 152.090 | 151.980 |
| 55 | 104.007 | 104.291 | 104.479 | 104.590 | 104.700 | 104.810 | 104.920 | 104.810 | 104.700 | 104.590 |
| 60 | 68.630 | 68.803 | 68.929 | 69.007 | 69.070 | 69.149 | 69.212 | 69.149 | 69.070 | 69.007 |
| 65 | 45.391 | 45.485 | 45.564 | 45.627 | 45.706 | 45.769 | 45.832 | 45.769 | 45.706 | 45.627 |
| 70 | 29.820 | 29.867 | 29.914 | 29.961 | 29.993 | 30.040 | 30.072 | 30.040 | 29.993 | 29.961 |
| 75 | 18.374 | 18.389 | 18.421 | 18.437 | 18.452 | 18.484 | 18.500 | 18.484 | 18.452 | 18.437 |
| 80 | 8.943 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 |
| 85 | 1.889 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.889 |
| 90 | 0.693 | 0.693 | 0.693 | 0.661 | 0.661 | 0.630 | 0.630 | 0.630 | 0.661 | 0.661 |
| 95 | 1.889 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.889 |
| 100 | 8.943 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 | 8.927 |
| 105 | 18.374 | 18.389 | 18.421 | 18.437 | 18.452 | 18.484 | 18.500 | 18.484 | 18.452 | 18.437 |
| 110 | 29.820 | 29.867 | 29.914 | 29.961 | 29.993 | 30.040 | 30.072 | 30.040 | 29.993 | 29.961 |
| 115 | 45.391 | 45.485 | 45.564 | 45.627 | 45.706 | 45.769 | 45.832 | 45.769 | 45.706 | 45.627 |
| 120 | 68.630 | 68.803 | 68.929 | 69.007 | 69.070 | 69.149 | 69.212 | 69.149 | 69.070 | 69.007 |
| 125 | 104.007 | 104.291 | 104.479 | 104.590 | 104.700 | 104.810 | 104.920 | 104.810 | 104.700 | 104.590 |
| 130 | 151.287 | 151.649 | 151.870 | 151.980 | 152.090 | 152.185 | 152.295 | 152.185 | 152.090 | 151.980 |
| 135 | 216.516 | 216.579 | 216.579 | 216.516 | 216.469 | 216.406 | 216.343 | 216.406 | 216.469 | 216.516 |
| 140 | 371.141 | 366.670 | 363.458 | 361.522 | 359.569 | 357.633 | 355.680 | 357.633 | 359.569 | 361.522 |
| 145 | 995.814 | 993.940 | 992.870 | 992.602 | 992.319 | 992.051 | 991.767 | 992.051 | 992.319 | 992.602 |
| 150 | 1936.790 | 1943.387 | 1948.960 | 1953.526 | 1958.092 | 1962.658 | 1967.224 | 1962.658 | 1958.092 | 1953.526 |
| 155 | 2545.214 | 2543.294 | 2542.601 | 2543.136 | 2543.687 | 2544.222 | 2544.758 | 2544.222 | 2543.687 | 2543.136 |
| 160 | 3238.863 | 3230.833 | 3224.992 | 3221.339 | 3217.671 | 3214.018 | 3210.365 | 3214.018 | 3217.671 | 3221.339 |
| 165 | 4659.160 | 4642.345 | 4631.387 | 4626.301 | 4621.216 | 4616.115 | 4611.029 | 4616.115 | 4621.216 | 4626.301 |
| 170 | 7110.601 | 7080.844 | 7058.991 | 7045.057 | 7031.123 | 7017.174 | 7003.240 | 7017.174 | 7031.123 | 7045.057 |
| 175 | 9740.189 | 9708.889 | 9686.391 | 9672.693 | 9659.011 | 9645.314 | 9631.616 | 9645.314 | 9659.011 | 9672.693 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert. Angles

Horizontal Angles

| | <u>200</u> | <u>205</u> | <u>210</u> | <u>215</u> | <u>220</u> | <u>225</u> | <u>230</u> | <u>235</u> | <u>240</u> | <u>245</u> |
|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5 | 9686.391 | 9708.889 | 9740.189 | 9771.473 | 9802.773 | 9834.072 | 9863.436 | 9892.799 | 9922.162 | 9951.525 |
| 10 | 7058.991 | 7080.844 | 7110.601 | 7140.373 | 7170.130 | 7199.887 | 7227.329 | 7254.772 | 7282.214 | 7309.656 |
| 15 | 4631.387 | 4642.345 | 4659.160 | 4675.959 | 4692.774 | 4709.589 | 4723.460 | 4737.346 | 4751.217 | 4765.088 |
| 20 | 3224.992 | 3230.833 | 3238.863 | 3246.908 | 3254.938 | 3262.967 | 3269.249 | 3275.516 | 3281.798 | 3288.080 |
| 25 | 2542.601 | 2543.294 | 2545.214 | 2547.119 | 2549.040 | 2550.961 | 2552.000 | 2553.039 | 2554.078 | 2555.118 |
| 30 | 1948.960 | 1943.387 | 1936.790 | 1930.193 | 1923.612 | 1917.015 | 1913.174 | 1909.348 | 1905.506 | 1901.680 |
| 35 | 992.870 | 993.940 | 995.814 | 997.672 | 999.545 | 1001.403 | 1005.859 | 1010.314 | 1014.770 | 1019.226 |
| 40 | 363.458 | 366.670 | 371.141 | 375.628 | 380.100 | 384.571 | 388.255 | 391.955 | 395.640 | 399.339 |
| 45 | 216.579 | 216.579 | 216.516 | 216.453 | 216.390 | 216.327 | 215.965 | 215.603 | 215.241 | 214.879 |
| 50 | 151.870 | 151.649 | 151.287 | 150.941 | 150.579 | 150.232 | 149.697 | 149.178 | 148.642 | 148.123 |
| 55 | 104.479 | 104.291 | 104.007 | 103.739 | 103.456 | 103.173 | 102.779 | 102.401 | 102.008 | 101.614 |
| 60 | 68.929 | 68.803 | 68.630 | 68.456 | 68.267 | 68.094 | 67.858 | 67.638 | 67.402 | 67.165 |
| 65 | 45.564 | 45.485 | 45.391 | 45.312 | 45.218 | 45.123 | 44.982 | 44.856 | 44.714 | 44.572 |
| 70 | 29.914 | 29.867 | 29.820 | 29.773 | 29.710 | 29.662 | 29.599 | 29.521 | 29.458 | 29.379 |
| 75 | 18.421 | 18.389 | 18.374 | 18.342 | 18.326 | 18.295 | 18.263 | 18.232 | 18.216 | 18.185 |
| 80 | 8.927 | 8.927 | 8.943 | 8.959 | 8.959 | 8.974 | 9.006 | 9.037 | 9.053 | 9.084 |
| 85 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.858 | 1.858 |
| 90 | 0.693 | 0.693 | 0.693 | 0.724 | 0.724 | 0.724 | 0.724 | 0.724 | 0.756 | 0.756 |
| 95 | 1.889 | 1.889 | 1.889 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.858 | 1.858 |
| 100 | 8.927 | 8.927 | 8.943 | 8.959 | 8.959 | 8.974 | 9.006 | 9.037 | 9.053 | 9.084 |
| 105 | 18.421 | 18.389 | 18.374 | 18.342 | 18.326 | 18.295 | 18.263 | 18.232 | 18.216 | 18.185 |
| 110 | 29.914 | 29.867 | 29.820 | 29.773 | 29.710 | 29.662 | 29.599 | 29.521 | 29.458 | 29.379 |
| 115 | 45.564 | 45.485 | 45.391 | 45.312 | 45.218 | 45.123 | 44.982 | 44.856 | 44.714 | 44.572 |
| 120 | 68.929 | 68.803 | 68.630 | 68.456 | 68.267 | 68.094 | 67.858 | 67.638 | 67.402 | 67.165 |
| 125 | 104.479 | 104.291 | 104.007 | 103.739 | 103.456 | 103.173 | 102.779 | 102.401 | 102.008 | 101.614 |
| 130 | 151.870 | 151.649 | 151.287 | 150.941 | 150.579 | 150.232 | 149.697 | 149.178 | 148.642 | 148.123 |
| 135 | 216.579 | 216.579 | 216.516 | 216.453 | 216.390 | 216.327 | 215.965 | 215.603 | 215.241 | 214.879 |
| 140 | 363.458 | 366.670 | 371.141 | 375.628 | 380.100 | 384.571 | 388.255 | 391.955 | 395.640 | 399.339 |
| 145 | 992.870 | 993.940 | 995.814 | 997.672 | 999.545 | 1001.403 | 1005.859 | 1010.314 | 1014.770 | 1019.226 |
| 150 | 1948.960 | 1943.387 | 1936.790 | 1930.193 | 1923.612 | 1917.015 | 1913.174 | 1909.348 | 1905.506 | 1901.680 |
| 155 | 2542.601 | 2543.294 | 2545.214 | 2547.119 | 2549.040 | 2550.961 | 2552.000 | 2553.039 | 2554.078 | 2555.118 |
| 160 | 3224.992 | 3230.833 | 3238.863 | 3246.908 | 3254.938 | 3262.967 | 3269.249 | 3275.516 | 3281.798 | 3288.080 |
| 165 | 4631.387 | 4642.345 | 4659.160 | 4675.959 | 4692.774 | 4709.589 | 4723.460 | 4737.346 | 4751.217 | 4765.088 |
| 170 | 7058.991 | 7080.844 | 7110.601 | 7140.373 | 7170.130 | 7199.887 | 7227.329 | 7254.772 | 7282.214 | 7309.656 |
| 175 | 9686.391 | 9708.889 | 9740.189 | 9771.489 | 9802.773 | 9834.072 | 9863.436 | 9892.799 | 9922.162 | 9951.525 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert. Horizontal Angles

| | <u>250</u> | <u>255</u> | <u>260</u> | <u>265</u> | <u>270</u> | <u>275</u> | <u>280</u> | <u>285</u> | <u>290</u> | <u>295</u> |
|----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9970.056 | 9977.771 | 9985.470 | 9993.185 | 10000.900 | 9993.185 | 9985.470 | 9977.771 | 9970.056 | 9951.525 |
| 10 | 7327.227 | 7334.910 | 7342.594 | 7350.277 | 7357.960 | 7350.277 | 7342.594 | 7334.910 | 7327.227 | 7309.656 |
| 15 | 4772.472 | 4773.369 | 4774.251 | 4775.148 | 4776.030 | 4775.148 | 4774.251 | 4773.369 | 4772.472 | 4765.088 |
| 20 | 3291.638 | 3292.488 | 3293.322 | 3294.173 | 3295.023 | 3294.173 | 3293.322 | 3292.488 | 3291.638 | 3288.080 |
| 25 | 2556.456 | 2558.109 | 2559.746 | 2561.400 | 2563.037 | 2561.400 | 2559.746 | 2558.109 | 2556.456 | 2555.118 |
| 30 | 1900.436 | 1901.806 | 1903.176 | 1904.546 | 1905.915 | 1904.546 | 1903.176 | 1901.806 | 1900.436 | 1901.680 |
| 35 | 1022.941 | 1025.885 | 1028.830 | 1031.790 | 1034.734 | 1031.790 | 1028.830 | 1025.885 | 1022.941 | 1019.226 |
| 40 | 401.937 | 403.449 | 404.944 | 406.456 | 407.967 | 406.456 | 404.944 | 403.449 | 401.937 | 399.339 |
| 45 | 214.375 | 213.761 | 213.147 | 212.517 | 211.903 | 212.517 | 213.147 | 213.761 | 214.375 | 214.879 |
| 50 | 147.666 | 147.288 | 146.926 | 146.548 | 146.170 | 146.548 | 146.926 | 147.288 | 147.666 | 148.123 |
| 55 | 101.283 | 101.000 | 100.717 | 100.433 | 100.150 | 100.433 | 100.717 | 101.000 | 101.283 | 101.614 |
| 60 | 66.976 | 66.803 | 66.646 | 66.473 | 66.315 | 66.473 | 66.646 | 66.803 | 66.976 | 67.165 |
| 65 | 44.446 | 44.320 | 44.194 | 44.068 | 43.942 | 44.068 | 44.194 | 44.320 | 44.446 | 44.572 |
| 70 | 29.300 | 29.221 | 29.143 | 29.064 | 28.985 | 29.064 | 29.143 | 29.221 | 29.300 | 29.379 |
| 75 | 18.153 | 18.106 | 18.075 | 18.027 | 17.996 | 18.027 | 18.075 | 18.106 | 18.153 | 18.185 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_IES

CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 80 | 9.100 | 9.084 | 9.084 | 9.069 | 9.053 | 9.069 | 9.084 | 9.084 | 9.100 | 9.084 |
| 85 | 1.858 | 1.858 | 1.842 | 1.842 | 1.842 | 1.842 | 1.842 | 1.858 | 1.858 | 1.858 |
| 90 | 0.756 | 0.756 | 0.787 | 0.787 | 0.787 | 0.787 | 0.787 | 0.756 | 0.756 | 0.756 |
| 95 | 1.858 | 1.858 | 1.842 | 1.842 | 1.842 | 1.842 | 1.842 | 1.858 | 1.858 | 1.858 |
| 100 | 9.100 | 9.084 | 9.084 | 9.069 | 9.053 | 9.069 | 9.084 | 9.084 | 9.100 | 9.084 |
| 105 | 18.153 | 18.106 | 18.075 | 18.027 | 17.996 | 18.027 | 18.075 | 18.106 | 18.153 | 18.185 |
| 110 | 29.300 | 29.221 | 29.143 | 29.064 | 28.985 | 29.064 | 29.143 | 29.221 | 29.300 | 29.379 |
| 115 | 44.446 | 44.320 | 44.194 | 44.068 | 43.942 | 44.068 | 44.194 | 44.320 | 44.446 | 44.572 |
| 120 | 66.976 | 66.803 | 66.646 | 66.473 | 66.315 | 66.473 | 66.646 | 66.803 | 66.976 | 67.165 |
| 125 | 101.283 | 101.000 | 100.717 | 100.433 | 100.150 | 100.433 | 100.717 | 101.000 | 101.283 | 101.614 |
| 130 | 147.666 | 147.288 | 146.926 | 146.548 | 146.170 | 146.548 | 146.926 | 147.288 | 147.666 | 148.123 |
| 135 | 214.375 | 213.761 | 213.147 | 212.517 | 211.903 | 212.517 | 213.147 | 213.761 | 214.375 | 214.879 |
| 140 | 401.937 | 403.449 | 404.944 | 406.456 | 407.967 | 406.456 | 404.944 | 403.449 | 401.937 | 399.339 |
| 145 | 1022.941 | 1025.885 | 1028.830 | 1031.790 | 1034.734 | 1031.790 | 1028.830 | 1025.885 | 1022.941 | 1019.226 |
| 150 | 1900.436 | 1901.806 | 1903.176 | 1904.546 | 1905.915 | 1904.546 | 1903.176 | 1901.806 | 1900.436 | 1901.680 |
| 155 | 2556.456 | 2558.109 | 2559.746 | 2561.400 | 2563.037 | 2561.400 | 2559.746 | 2558.109 | 2556.456 | 2555.118 |
| 160 | 3291.638 | 3292.488 | 3293.322 | 3294.173 | 3295.023 | 3294.173 | 3293.322 | 3292.488 | 3291.638 | 3288.080 |
| 165 | 4772.472 | 4773.369 | 4774.251 | 4775.148 | 4776.030 | 4775.148 | 4774.251 | 4773.369 | 4772.472 | 4765.088 |
| 170 | 7327.227 | 7334.910 | 7342.594 | 7350.277 | 7357.960 | 7350.277 | 7342.594 | 7334.910 | 7327.227 | 7309.656 |
| 175 | 9970.056 | 9977.771 | 9985.486 | 9993.185 | 10000.900 | 9993.185 | 9985.486 | 9977.771 | 9970.056 | 9951.525 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert.
Angles

Horizontal Angles

| | <u>300</u> | <u>305</u> | <u>310</u> | <u>315</u> | <u>320</u> | <u>325</u> | <u>330</u> | <u>335</u> | <u>340</u> | <u>345</u> |
|-----|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9922.162 | 9892.799 | 9863.436 | 9834.072 | 9802.773 | 9771.473 | 9740.189 | 9708.889 | 9686.391 | 9672.693 |
| 10 | 7282.214 | 7254.772 | 7227.329 | 7199.887 | 7170.130 | 7140.373 | 7110.601 | 7080.844 | 7058.991 | 7045.057 |
| 15 | 4751.217 | 4737.346 | 4723.460 | 4709.589 | 4692.774 | 4675.959 | 4659.160 | 4642.345 | 4631.387 | 4626.301 |
| 20 | 3281.798 | 3275.516 | 3269.249 | 3262.967 | 3254.938 | 3246.908 | 3238.863 | 3230.833 | 3224.992 | 3221.339 |
| 25 | 2554.078 | 2553.039 | 2552.000 | 2550.961 | 2549.040 | 2547.119 | 2545.214 | 2543.294 | 2542.601 | 2543.136 |
| 30 | 1905.506 | 1909.348 | 1913.174 | 1917.015 | 1923.612 | 1930.193 | 1936.790 | 1943.387 | 1948.960 | 1953.526 |
| 35 | 1014.770 | 1010.314 | 1005.859 | 1001.403 | 999.545 | 997.672 | 995.814 | 993.940 | 992.870 | 992.602 |
| 40 | 395.640 | 391.955 | 388.255 | 384.571 | 380.100 | 375.628 | 371.141 | 366.670 | 363.458 | 361.522 |
| 45 | 215.241 | 215.603 | 215.965 | 216.327 | 216.390 | 216.453 | 216.516 | 216.579 | 216.579 | 216.516 |
| 50 | 148.642 | 149.178 | 149.697 | 150.232 | 150.579 | 150.941 | 151.287 | 151.649 | 151.870 | 151.980 |
| 55 | 102.008 | 102.401 | 102.779 | 103.173 | 103.456 | 103.739 | 104.007 | 104.291 | 104.479 | 104.590 |
| 60 | 67.402 | 67.638 | 67.858 | 68.094 | 68.267 | 68.456 | 68.630 | 68.803 | 68.929 | 69.007 |
| 65 | 44.714 | 44.856 | 44.982 | 45.123 | 45.218 | 45.312 | 45.391 | 45.485 | 45.564 | 45.627 |
| 70 | 29.458 | 29.521 | 29.599 | 29.662 | 29.710 | 29.773 | 29.820 | 29.867 | 29.914 | 29.961 |
| 75 | 18.216 | 18.232 | 18.263 | 18.295 | 18.326 | 18.342 | 18.374 | 18.389 | 18.421 | 18.437 |
| 80 | 9.053 | 9.037 | 9.006 | 8.974 | 8.959 | 8.959 | 8.943 | 8.927 | 8.927 | 8.927 |
| 85 | 1.858 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.889 | 1.889 | 1.889 | 1.889 |
| 90 | 0.756 | 0.724 | 0.724 | 0.724 | 0.724 | 0.724 | 0.693 | 0.693 | 0.693 | 0.661 |
| 95 | 1.858 | 1.874 | 1.874 | 1.874 | 1.874 | 1.874 | 1.889 | 1.889 | 1.889 | 1.889 |
| 100 | 9.053 | 9.037 | 9.006 | 8.974 | 8.959 | 8.959 | 8.943 | 8.927 | 8.927 | 8.927 |
| 105 | 18.216 | 18.232 | 18.263 | 18.295 | 18.326 | 18.342 | 18.374 | 18.389 | 18.421 | 18.437 |
| 110 | 29.458 | 29.521 | 29.599 | 29.662 | 29.710 | 29.773 | 29.820 | 29.867 | 29.914 | 29.961 |
| 115 | 44.714 | 44.856 | 44.982 | 45.123 | 45.218 | 45.312 | 45.391 | 45.485 | 45.564 | 45.627 |
| 120 | 67.402 | 67.638 | 67.858 | 68.094 | 68.267 | 68.456 | 68.630 | 68.803 | 68.929 | 69.007 |
| 125 | 102.008 | 102.401 | 102.779 | 103.173 | 103.456 | 103.739 | 104.007 | 104.291 | 104.479 | 104.590 |
| 130 | 148.642 | 149.178 | 149.697 | 150.232 | 150.579 | 150.941 | 151.287 | 151.649 | 151.870 | 151.980 |
| 135 | 215.241 | 215.603 | 215.965 | 216.327 | 216.390 | 216.453 | 216.516 | 216.579 | 216.579 | 216.516 |
| 140 | 395.640 | 391.955 | 388.255 | 384.571 | 380.100 | 375.628 | 371.141 | 366.670 | 363.458 | 361.522 |
| 145 | 1014.770 | 1010.314 | 1005.859 | 1001.403 | 999.545 | 997.672 | 995.814 | 993.940 | 992.870 | 992.602 |
| 150 | 1905.506 | 1909.348 | 1913.174 | 1917.015 | 1923.612 | 1930.193 | 1936.790 | 1943.387 | 1948.960 | 1953.526 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_.IES

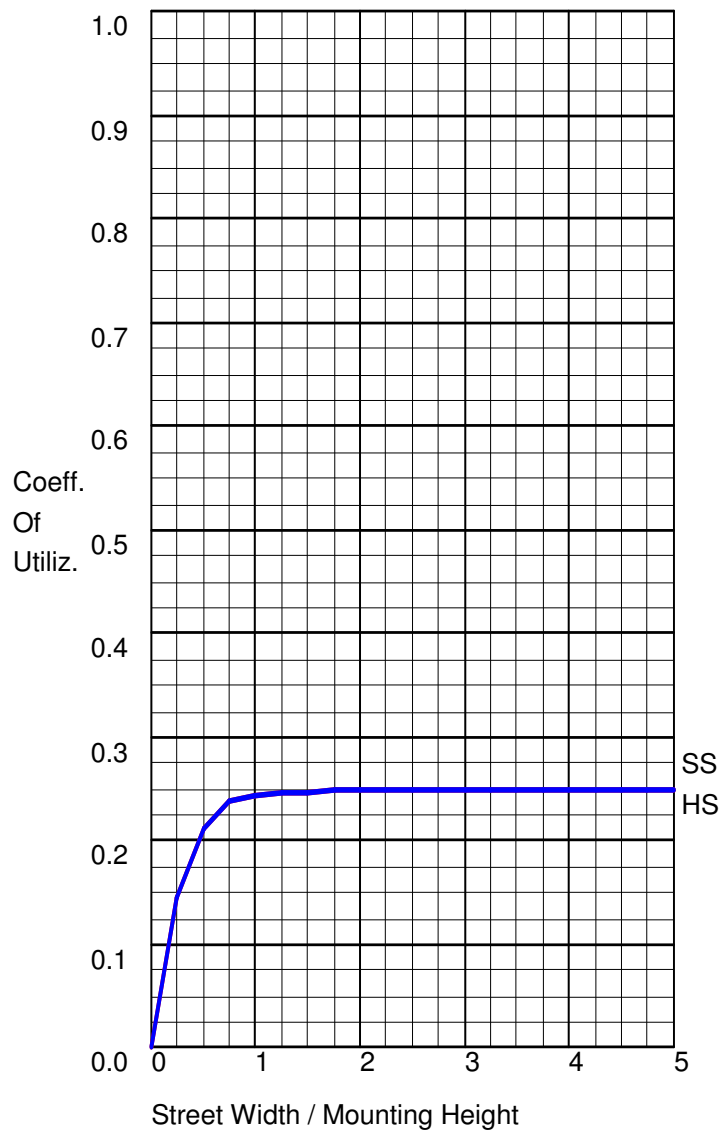
CANDELA TABULATION - (Cont.)

| | | | | | | | | | | |
|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 155 | 2554.078 | 2553.039 | 2552.000 | 2550.961 | 2549.040 | 2547.119 | 2545.214 | 2543.294 | 2542.601 | 2543.136 |
| 160 | 3281.798 | 3275.516 | 3269.249 | 3262.967 | 3254.938 | 3246.908 | 3238.863 | 3230.833 | 3224.992 | 3221.339 |
| 165 | 4751.217 | 4737.346 | 4723.460 | 4709.589 | 4692.774 | 4675.959 | 4659.160 | 4642.345 | 4631.387 | 4626.301 |
| 170 | 7282.214 | 7254.772 | 7227.329 | 7199.887 | 7170.130 | 7140.373 | 7110.601 | 7080.844 | 7058.991 | 7045.057 |
| 175 | 9922.162 | 9892.799 | 9863.436 | 9834.072 | 9802.773 | 9771.489 | 9740.189 | 9708.889 | 9686.391 | 9672.693 |
| 180 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 | 10715.598 |

Vert. Horizontal Angles

| | <u>350</u> | <u>355</u> | <u>360</u> |
|-----|------------|------------|------------|
| 0 | 10716.558 | 10716.558 | 10716.558 |
| 5 | 9659.011 | 9645.314 | 9631.616 |
| 10 | 7031.123 | 7017.174 | 7003.240 |
| 15 | 4621.216 | 4616.115 | 4611.029 |
| 20 | 3217.671 | 3214.018 | 3210.365 |
| 25 | 2543.687 | 2544.222 | 2544.758 |
| 30 | 1958.092 | 1962.658 | 1967.224 |
| 35 | 992.319 | 992.051 | 991.767 |
| 40 | 359.569 | 357.633 | 355.680 |
| 45 | 216.469 | 216.406 | 216.343 |
| 50 | 152.090 | 152.185 | 152.295 |
| 55 | 104.700 | 104.810 | 104.920 |
| 60 | 69.070 | 69.149 | 69.212 |
| 65 | 45.706 | 45.769 | 45.832 |
| 70 | 29.993 | 30.040 | 30.072 |
| 75 | 18.452 | 18.484 | 18.500 |
| 80 | 8.927 | 8.927 | 8.927 |
| 85 | 1.874 | 1.874 | 1.874 |
| 90 | 0.661 | 0.630 | 0.630 |
| 95 | 1.874 | 1.874 | 1.874 |
| 100 | 8.927 | 8.927 | 8.927 |
| 105 | 18.452 | 18.484 | 18.500 |
| 110 | 29.993 | 30.040 | 30.072 |
| 115 | 45.706 | 45.769 | 45.832 |
| 120 | 69.070 | 69.149 | 69.212 |
| 125 | 104.700 | 104.810 | 104.920 |
| 130 | 152.090 | 152.185 | 152.295 |
| 135 | 216.469 | 216.406 | 216.343 |
| 140 | 359.569 | 357.633 | 355.680 |
| 145 | 992.319 | 992.051 | 991.767 |
| 150 | 1958.092 | 1962.658 | 1967.224 |
| 155 | 2543.687 | 2544.222 | 2544.758 |
| 160 | 3217.671 | 3214.018 | 3210.365 |
| 165 | 4621.216 | 4616.115 | 4611.029 |
| 170 | 7031.123 | 7017.174 | 7003.240 |
| 175 | 9659.011 | 9645.314 | 9631.616 |
| 180 | 10715.598 | 10715.598 | 10715.598 |

COEFFICIENTS OF UTILIZATION



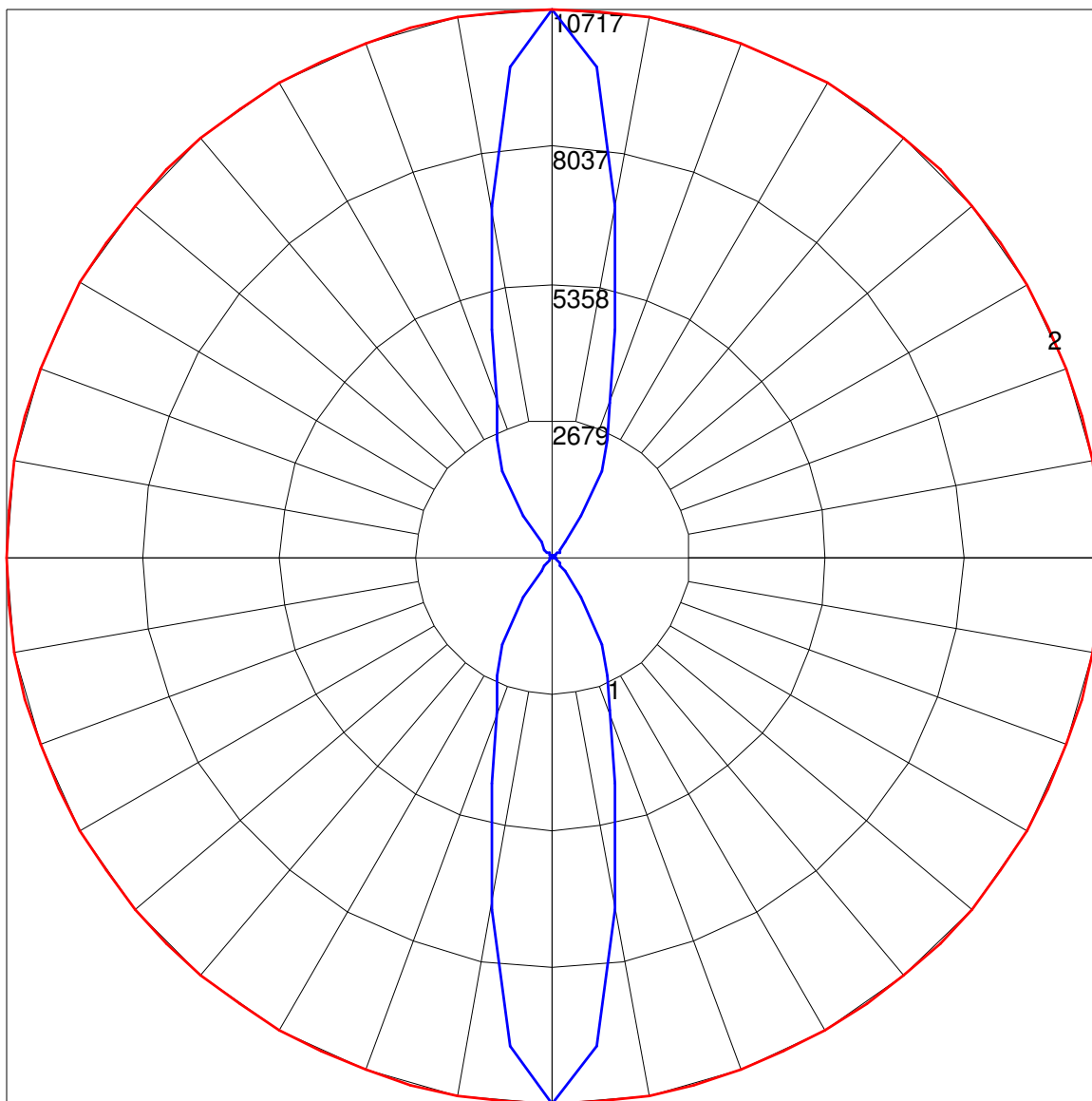
FLUX DISTRIBUTION

| | Lumens | Percent Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 2202.2 | 25.0 |
| Downward House Side | 2202.2 | 25.0 |
| Downward Total | 4404.4 | 50.0 |
| Upward Street Side | 2202.2 | 25.0 |
| Upward House Side | 2202.2 | 25.0 |
| Upward Total | 4404.4 | 50.0 |
| Total Flux | 8808.8 | 100.0 |

IES ROAD REPORT

PHOTOMETRIC FILENAME : W6CRDI-XX-L50-935U-L50-935D-XXX-DIM-UNV-N-XX_.IES

POLAR GRAPH

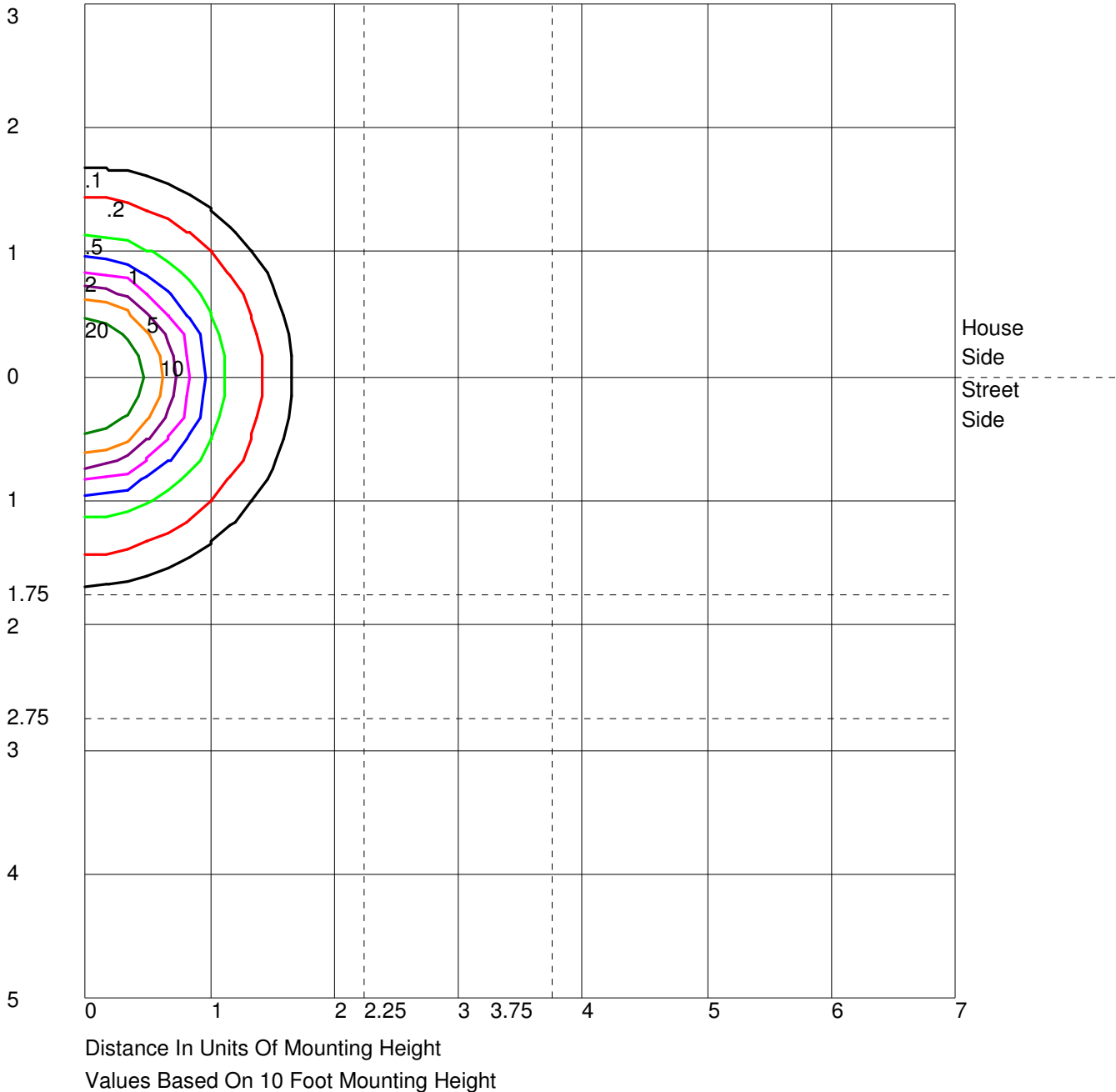


Maximum Candela = 10716.558 Located At Horizontal Angle = 360, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (360 - 180) (Through Max. Cd.)

2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



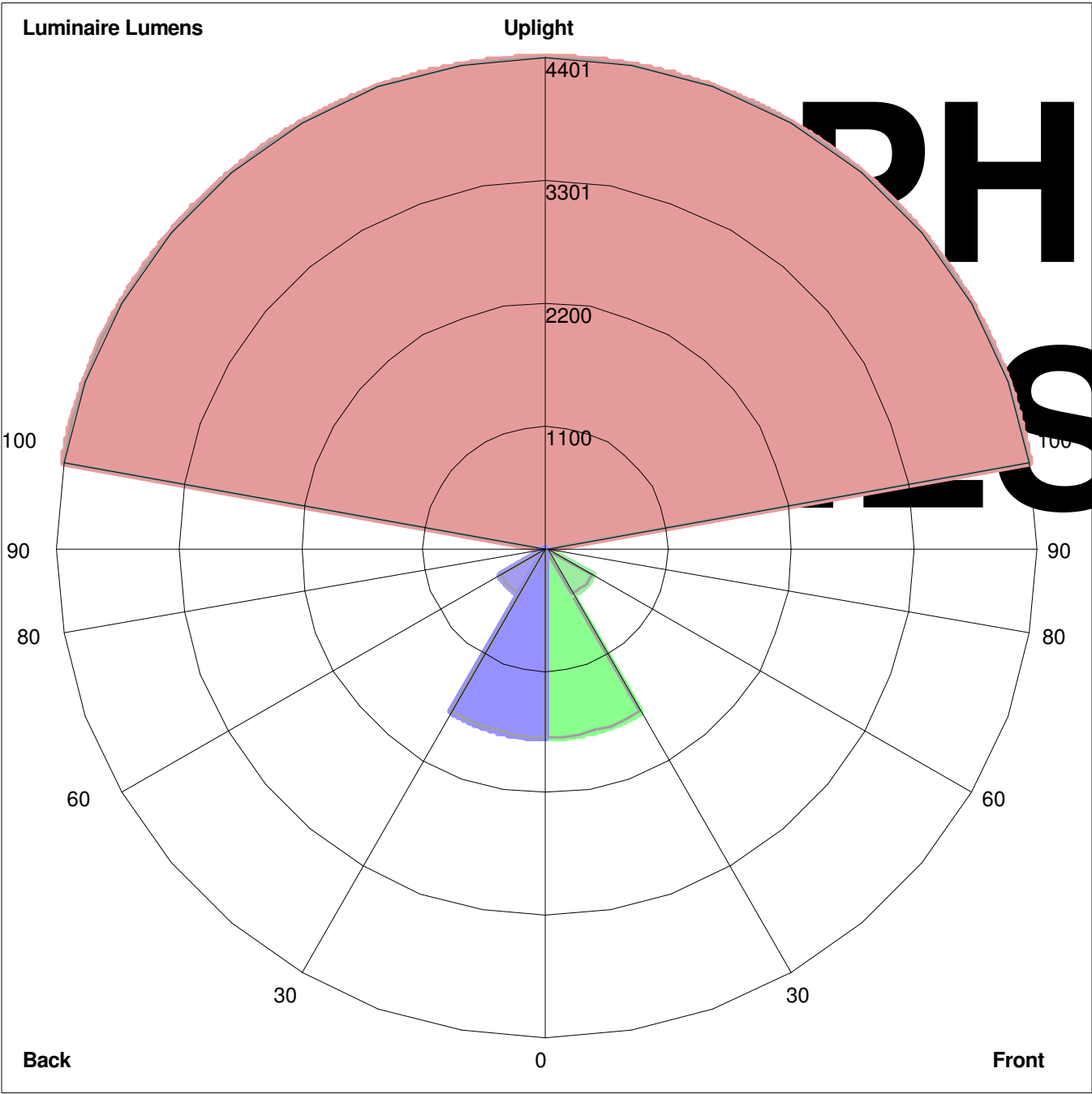


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LUMENS