



## IES ROAD REPORT

PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]

[TESTLAB] Standard-Tech Co., Ltd.

[TESTDATE] 23 January 2016

[ISSUEDATE] 2016-01-23 14:07:57

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] LumenFocus, LLC

[LUMINAIRE] WSSE MD F UV D 840

[OTHER]

| [OTHER] | Gamma(deg) | Fz(lm) | Ft(lm)  | %Lum   | %Lamp  |
|---------|------------|--------|---------|--------|--------|
| [OTHER] | 0- 10      | 63.29  | 63.29   | 3.85   | 3.85   |
| [OTHER] | 10- 20     | 181.90 | 245.18  | 14.90  | 14.90  |
| [OTHER] | 20- 30     | 274.23 | 519.41  | 31.56  | 31.56  |
| [OTHER] | 30- 40     | 322.44 | 841.85  | 51.15  | 51.15  |
| [OTHER] | 40- 50     | 323.86 | 1165.71 | 70.83  | 70.83  |
| [OTHER] | 50- 60     | 260.74 | 1426.45 | 86.67  | 86.67  |
| [OTHER] | 60- 70     | 159.95 | 1586.40 | 96.39  | 96.39  |
| [OTHER] | 70- 80     | 53.80  | 1640.20 | 99.66  | 99.66  |
| [OTHER] | 80- 90     | 5.18   | 1645.38 | 99.97  | 99.97  |
| [OTHER] | 90-100     | 0.00   | 1645.38 | 99.97  | 99.97  |
| [OTHER] | 100-110    | 0.00   | 1645.38 | 99.97  | 99.97  |
| [OTHER] | 110-120    | 0.01   | 1645.40 | 99.97  | 99.97  |
| [OTHER] | 120-130    | 0.07   | 1645.46 | 99.98  | 99.98  |
| [OTHER] | 130-140    | 0.09   | 1645.56 | 99.98  | 99.98  |
| [OTHER] | 140-150    | 0.10   | 1645.66 | 99.99  | 99.99  |
| [OTHER] | 150-160    | 0.08   | 1645.74 | 100.00 | 100.00 |
| [OTHER] | 160-170    | 0.06   | 1645.79 | 100.00 | 100.00 |
| [OTHER] | 170-180    | 0.03   | 1645.82 | 100.00 | 100.00 |
| [OTHER] |            |        |         |        |        |

### CHARACTERISTICS

IES Classification

Longitudinal Classification

Lumens Per Lamp

Total Lamp Lumens

Luminaire Lumens

Downward Total Efficiency

Total Luminaire Efficiency

Luminaire Efficacy Rating (LER)

Total Luminaire Watts

Ballast Factor

Upward Waste Light Ratio

Maximum Candela

Maximum Candela Angle

Maximum Candela (<90 Degrees Vertical)

Maximum Candela Angle (<90 Degrees Vertical)

Maximum Candela At 90 Degrees Vertical

Maximum Candela from 80 to <90 Degrees Vertical

Type II

Very Short

N.A. (absolute)

N.A. (absolute)

1646

N.A. (absolute)

N.A. (absolute)

110

14.9

1.00

0.00

711.17

337.5H 22V

711.17

337.5H 22V

.26 (0.0% Luminaire Lumens)

29.07 (1.8% Luminaire Lumens)

**LUMINAIRE CLASSIFICATION SYSTEM (LCS)**

|                               | Lumens   | % Lamp | % Luminaire |
|-------------------------------|----------|--------|-------------|
| FL - Front-Low (0-30)         | 281.5    | N.A.   | 17.1        |
| FM - Front-Medium (30-60)     | 586.9    | N.A.   | 35.6        |
| FH - Front-High (60-80)       | 161.1    | N.A.   | 9.8         |
| FVH - Front-Very High (80-90) | 4.1      | N.A.   | 0.2         |
| BL - Back-Low (0-30)          | 238.0    | N.A.   | 14.5        |
| BM - Back-Medium (30-60)      | 320.6    | N.A.   | 19.5        |
| BH - Back-High (60-80)        | 52.8     | N.A.   | 3.2         |
| BVH - Back-Very High (80-90)  | 1.1      | N.A.   | 0.1         |
| UL - Uplight-Low (90-100)     | < 0.05   | N.A.   | 0.0         |
| UH - Uplight-High (100-180)   | 0.4      | N.A.   | 0.0         |
| Total                         | 1646.5   | N.A.   | 100.0       |
| BUG Rating                    | B1-U1-G0 |        |             |

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES**

**CANDELA TABULATION**

| Vert.<br>Angles | Horizontal Angles |             |             |             |             |              |              |              |              |              |
|-----------------|-------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
|                 | <u>0.0</u>        | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> | <u>202.5</u> |
| 0               | 672.14            | 672.14      | 672.14      | 672.14      | 672.14      | 672.14       | 672.14       | 672.14       | 672.14       | 672.14       |
| 1               | 657.62            | 666.96      | 679.43      | 667.34      | 660.15      | 671.46       | 647.51       | 657.36       | 649.28       | 658.24       |
| 2               | 655.01            | 677.22      | 680.38      | 684.80      | 671.04      | 670.83       | 654.60       | 663.05       | 651.90       | 651.39       |
| 3               | 662.19            | 670.01      | 685.40      | 673.30      | 669.96      | 662.63       | 664.69       | 654.80       | 637.90       | 650.59       |
| 4               | 664.85            | 675.98      | 696.98      | 675.38      | 669.71      | 667.03       | 646.99       | 673.00       | 639.50       | 654.54       |
| 5               | 666.67            | 678.87      | 682.86      | 670.64      | 666.79      | 659.94       | 645.60       | 648.99       | 633.63       | 645.56       |
| 6               | 672.66            | 679.09      | 697.23      | 672.87      | 662.61      | 648.11       | 639.34       | 650.43       | 633.55       | 643.47       |
| 7               | 662.28            | 671.23      | 693.57      | 679.77      | 671.13      | 657.77       | 645.99       | 633.15       | 626.01       | 636.39       |
| 8               | 685.12            | 690.57      | 706.65      | 682.96      | 663.12      | 650.63       | 636.76       | 639.71       | 619.59       | 631.67       |
| 9               | 676.99            | 689.40      | 689.78      | 675.61      | 659.64      | 650.56       | 640.48       | 629.41       | 610.36       | 626.66       |
| 10              | 674.56            | 697.24      | 696.38      | 674.37      | 650.36      | 628.39       | 637.13       | 635.26       | 603.32       | 622.88       |
| 11              | 685.84            | 691.31      | 697.23      | 679.03      | 649.71      | 632.42       | 615.78       | 633.03       | 597.09       | 618.33       |
| 12              | 692.60            | 697.21      | 702.38      | 672.17      | 644.98      | 638.23       | 617.71       | 614.41       | 594.51       | 607.88       |
| 13              | 679.31            | 700.40      | 700.40      | 668.13      | 649.41      | 640.43       | 609.76       | 614.93       | 586.16       | 615.59       |
| 14              | 692.45            | 695.36      | 695.73      | 667.24      | 645.29      | 632.59       | 612.69       | 615.19       | 579.66       | 609.33       |
| 15              | 686.76            | 688.22      | 691.16      | 670.20      | 649.16      | 631.70       | 600.04       | 596.64       | 587.54       | 590.38       |
| 16              | 684.68            | 694.56      | 698.69      | 674.52      | 645.19      | 616.53       | 595.07       | 588.96       | 567.32       | 577.36       |
| 17              | 685.15            | 692.01      | 678.33      | 671.01      | 626.43      | 615.54       | 587.71       | 583.83       | 564.85       | 570.26       |
| 18              | 684.82            | 692.66      | 693.61      | 668.45      | 636.44      | 618.64       | 583.58       | 572.19       | 554.67       | 566.23       |
| 19              | 686.90            | 700.97      | 691.85      | 656.95      | 625.98      | 611.45       | 570.14       | 561.69       | 537.24       | 549.70       |
| 20              | 696.51            | 701.14      | 699.52      | 651.60      | 629.83      | 595.28       | 569.25       | 546.56       | 531.94       | 551.15       |
| 21              | 696.28            | 684.24      | 687.53      | 652.02      | 625.41      | 597.21       | 555.10       | 543.23       | 520.22       | 544.85       |
| 22              | 694.74            | 689.88      | 685.84      | 648.40      | 619.29      | 591.14       | 549.59       | 536.47       | 502.70       | 527.59       |
| 23              | 699.66            | 701.95      | 683.81      | 648.21      | 612.53      | 580.62       | 537.57       | 516.66       | 491.36       | 510.77       |
| 24              | 684.79            | 692.23      | 681.79      | 636.17      | 611.72      | 567.60       | 533.80       | 502.41       | 469.26       | 495.28       |
| 25              | 692.15            | 687.19      | 668.87      | 633.98      | 613.90      | 560.90       | 531.73       | 483.57       | 453.39       | 477.31       |
| 26              | 685.48            | 688.64      | 668.03      | 639.44      | 592.68      | 557.15       | 520.81       | 475.05       | 436.07       | 460.06       |
| 27              | 694.06            | 685.41      | 659.87      | 635.27      | 595.24      | 557.40       | 508.81       | 448.36       | 418.34       | 446.84       |
| 28              | 689.54            | 688.86      | 655.73      | 628.09      | 588.92      | 551.48       | 493.85       | 429.23       | 400.52       | 430.37       |
| 29              | 680.47            | 688.70      | 673.70      | 625.91      | 594.01      | 545.67       | 480.24       | 416.28       | 387.24       | 407.13       |
| 30              | 671.95            | 679.05      | 659.41      | 625.94      | 574.88      | 534.94       | 463.83       | 400.89       | 375.71       | 399.77       |
| 31              | 660.45            | 668.35      | 652.86      | 612.19      | 565.79      | 525.58       | 455.57       | 386.14       | 364.94       | 384.95       |
| 32              | 664.28            | 666.76      | 652.42      | 607.85      | 565.23      | 516.44       | 436.08       | 378.19       | 351.51       | 362.44       |
| 33              | 654.87            | 663.42      | 652.22      | 602.13      | 555.84      | 509.39       | 425.24       | 356.59       | 337.31       | 359.14       |
| 34              | 654.61            | 645.21      | 647.58      | 599.59      | 542.30      | 496.83       | 405.46       | 348.60       | 325.67       | 347.74       |
| 35              | 641.74            | 639.73      | 641.60      | 592.46      | 541.53      | 489.78       | 382.75       | 337.86       | 321.36       | 339.83       |
| 36              | 643.21            | 634.45      | 630.11      | 587.48      | 534.78      | 484.22       | 367.69       | 327.74       | 311.02       | 324.37       |
| 37              | 634.31            | 638.35      | 623.56      | 579.21      | 528.04      | 474.60       | 356.27       | 320.25       | 300.94       | 318.62       |
| 38              | 630.90            | 631.79      | 615.50      | 572.46      | 514.48      | 464.90       | 343.68       | 310.56       | 290.79       | 305.63       |
| 39              | 619.03            | 629.08      | 607.39      | 562.08      | 513.10      | 450.86       | 332.07       | 298.70       | 277.79       | 294.43       |
| 40              | 613.26            | 612.31      | 600.03      | 555.67      | 495.76      | 441.69       | 320.52       | 291.52       | 265.29       | 282.44       |
| 41              | 609.17            | 604.22      | 598.74      | 552.76      | 482.52      | 424.20       | 302.72       | 274.75       | 251.72       | 274.58       |
| 42              | 607.39            | 596.81      | 586.20      | 547.00      | 479.13      | 413.94       | 296.88       | 267.95       | 236.82       | 263.88       |
| 43              | 599.31            | 600.90      | 575.02      | 536.66      | 474.45      | 398.71       | 284.35       | 252.90       | 221.04       | 249.02       |
| 44              | 595.12            | 577.64      | 564.62      | 525.57      | 462.27      | 387.30       | 270.35       | 232.43       | 210.16       | 231.83       |
| 45              | 586.23            | 579.77      | 558.62      | 518.23      | 446.44      | 368.63       | 267.19       | 221.85       | 199.03       | 222.45       |
| 46              | 581.27            | 566.80      | 537.49      | 514.20      | 432.30      | 355.09       | 254.54       | 207.95       | 186.61       | 207.52       |
| 47              | 561.58            | 558.43      | 528.79      | 501.31      | 418.98      | 340.94       | 244.01       | 192.75       | 177.46       | 194.78       |
| 48              | 545.26            | 548.10      | 526.94      | 495.42      | 407.95      | 317.37       | 235.00       | 181.61       | 164.71       | 183.27       |
| 49              | 538.94            | 535.58      | 522.80      | 481.17      | 397.82      | 298.44       | 222.59       | 171.57       | 149.27       | 174.25       |
| 50              | 512.49            | 527.00      | 512.72      | 474.07      | 377.12      | 279.99       | 214.96       | 162.20       | 135.45       | 165.29       |
| 51              | 489.02            | 509.67      | 501.32      | 459.87      | 369.82      | 265.83       | 192.90       | 148.53       | 119.39       | 151.73       |
| 52              | 466.90            | 497.88      | 493.82      | 442.53      | 354.33      | 259.37       | 177.92       | 130.57       | 108.95       | 138.40       |

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**CANDELA TABULATION - (Cont.)**

|     |        |        |        |        |        |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 53  | 443.23 | 469.72 | 497.01 | 427.66 | 337.69 | 234.09 | 166.29 | 114.69 | 101.92 | 122.74 |
| 54  | 421.94 | 450.09 | 485.91 | 410.54 | 324.55 | 222.65 | 152.41 | 106.62 | 96.49  | 108.68 |
| 55  | 400.01 | 404.69 | 471.93 | 395.13 | 308.26 | 207.70 | 141.31 | 97.72  | 92.02  | 100.72 |
| 56  | 391.78 | 401.56 | 448.64 | 380.03 | 296.27 | 197.04 | 131.91 | 93.45  | 86.50  | 95.56  |
| 57  | 372.15 | 378.89 | 435.43 | 365.16 | 284.24 | 186.28 | 127.10 | 89.18  | 82.24  | 90.00  |
| 58  | 359.51 | 362.78 | 418.17 | 352.99 | 270.32 | 169.63 | 111.52 | 83.20  | 76.73  | 85.39  |
| 59  | 348.30 | 351.49 | 392.37 | 338.07 | 252.53 | 161.61 | 95.28  | 77.79  | 72.93  | 80.95  |
| 60  | 336.13 | 339.06 | 356.67 | 323.77 | 238.78 | 140.52 | 82.42  | 72.36  | 68.74  | 76.14  |
| 61  | 322.70 | 322.14 | 336.66 | 305.94 | 229.36 | 131.22 | 75.99  | 69.28  | 63.93  | 70.89  |
| 62  | 304.61 | 318.97 | 311.41 | 289.04 | 206.68 | 123.44 | 70.56  | 63.57  | 59.86  | 65.22  |
| 63  | 284.86 | 295.63 | 299.78 | 272.43 | 195.62 | 115.33 | 64.88  | 58.81  | 56.06  | 60.14  |
| 64  | 258.19 | 275.82 | 280.13 | 253.20 | 175.25 | 103.02 | 60.38  | 54.78  | 51.49  | 56.82  |
| 65  | 226.58 | 252.76 | 261.37 | 240.01 | 167.11 | 93.96  | 54.61  | 52.03  | 48.66  | 52.41  |
| 66  | 205.57 | 216.65 | 244.61 | 223.49 | 151.20 | 79.52  | 50.37  | 46.52  | 44.70  | 48.87  |
| 67  | 183.13 | 196.31 | 231.21 | 204.51 | 136.58 | 72.00  | 47.09  | 43.33  | 41.55  | 44.90  |
| 68  | 163.63 | 174.25 | 214.15 | 187.57 | 123.29 | 60.58  | 42.81  | 40.19  | 37.92  | 41.05  |
| 69  | 150.39 | 159.13 | 195.11 | 174.53 | 110.92 | 52.32  | 38.15  | 35.69  | 34.26  | 37.79  |
| 70  | 144.41 | 142.80 | 168.11 | 157.36 | 97.52  | 44.61  | 35.39  | 32.54  | 30.89  | 34.21  |
| 71  | 138.66 | 134.71 | 141.40 | 136.26 | 84.82  | 38.69  | 30.71  | 28.90  | 27.66  | 30.53  |
| 72  | 130.31 | 132.16 | 117.49 | 114.85 | 71.11  | 32.25  | 27.15  | 24.97  | 24.61  | 27.49  |
| 73  | 106.88 | 119.73 | 99.90  | 96.13  | 60.19  | 27.95  | 24.28  | 22.51  | 21.65  | 24.30  |
| 74  | 73.65  | 94.08  | 88.55  | 88.10  | 49.12  | 24.16  | 20.78  | 19.67  | 19.07  | 21.31  |
| 75  | 45.10  | 61.09  | 79.57  | 70.24  | 40.84  | 20.22  | 18.09  | 16.74  | 16.26  | 18.64  |
| 76  | 35.09  | 36.92  | 72.48  | 59.21  | 28.78  | 17.34  | 15.34  | 14.35  | 13.93  | 15.62  |
| 77  | 32.60  | 30.78  | 58.03  | 47.85  | 22.77  | 14.35  | 12.63  | 11.93  | 11.79  | 13.11  |
| 78  | 29.63  | 27.78  | 36.07  | 36.03  | 16.73  | 12.05  | 10.43  | 9.80   | 9.54   | 10.97  |
| 79  | 27.36  | 25.45  | 22.48  | 25.34  | 13.20  | 9.43   | 8.34   | 7.64   | 7.53   | 8.68   |
| 80  | 24.36  | 22.90  | 19.15  | 19.09  | 9.23   | 7.41   | 6.43   | 5.79   | 5.76   | 6.74   |
| 81  | 21.20  | 18.82  | 16.05  | 13.96  | 7.58   | 5.71   | 4.59   | 4.12   | 4.13   | 4.93   |
| 82  | 17.85  | 15.89  | 13.38  | 9.54   | 5.65   | 3.90   | 3.18   | 2.74   | 2.84   | 3.39   |
| 83  | 14.68  | 12.40  | 10.15  | 6.77   | 4.07   | 2.46   | 1.93   | 1.51   | 1.59   | 2.09   |
| 84  | 11.59  | 9.28   | 7.40   | 4.75   | 2.67   | 1.37   | 0.90   | 0.69   | 0.68   | 1.11   |
| 85  | 8.59   | 6.56   | 5.02   | 3.13   | 1.55   | 0.54   | 0.26   | 0.00   | 0.00   | 0.32   |
| 86  | 5.84   | 4.11   | 2.96   | 1.79   | 0.56   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 87  | 3.62   | 2.36   | 1.53   | 0.72   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 88  | 1.95   | 1.06   | 0.53   | 0.02   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 89  | 0.89   | 0.21   | 0.01   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 90  | 0.26   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 91  | 0.01   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 92  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 93  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 94  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 95  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 96  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 97  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 98  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 99  | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 100 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 101 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 102 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 103 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 104 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 105 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 106 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 107 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |
| 108 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   |

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**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 109 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.00 | 0.00 |
| 115 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.05 | 0.00 | 0.00 | 0.00 |
| 116 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 |
| 117 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | 0.05 | 0.00 | 0.03 | 0.03 |
| 118 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.05 | 0.00 | 0.00 | 0.00 |
| 119 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | 0.05 | 0.03 | 0.03 | 0.03 |
| 120 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.14 | 0.11 | 0.03 | 0.08 | 0.05 |
| 121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.14 | 0.08 | 0.03 | 0.11 | 0.08 |
| 122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.14 | 0.08 | 0.06 | 0.11 | 0.11 |
| 123 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | 0.16 | 0.08 | 0.11 | 0.11 | 0.11 |
| 124 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.19 | 0.11 | 0.11 | 0.13 | 0.16 |
| 125 | 0.00 | 0.00 | 0.00 | 0.00 | 0.11 | 0.22 | 0.13 | 0.14 | 0.13 | 0.24 |
| 126 | 0.00 | 0.00 | 0.00 | 0.00 | 0.14 | 0.22 | 0.13 | 0.11 | 0.16 | 0.24 |
| 127 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.22 | 0.16 | 0.19 | 0.19 | 0.24 |
| 128 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.25 | 0.19 | 0.19 | 0.24 | 0.30 |
| 129 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.19 | 0.19 | 0.24 | 0.27 |
| 130 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.19 | 0.19 | 0.24 | 0.27 |
| 131 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.22 | 0.19 | 0.24 | 0.30 |
| 132 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.22 | 0.25 | 0.24 | 0.27 |
| 133 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.22 | 0.22 | 0.27 | 0.32 |
| 134 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.24 | 0.22 | 0.29 | 0.30 |
| 135 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.24 | 0.25 | 0.29 | 0.32 |
| 136 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.27 | 0.24 | 0.25 | 0.29 | 0.32 |
| 137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.27 | 0.27 | 0.29 | 0.32 |
| 138 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.33 | 0.27 | 0.30 | 0.34 | 0.38 |
| 139 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.30 | 0.27 | 0.32 | 0.35 |
| 140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.30 | 0.27 | 0.32 | 0.35 |
| 141 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.32 | 0.27 | 0.34 | 0.35 |
| 142 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.30 | 0.34 | 0.35 |
| 143 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.32 | 0.33 | 0.34 | 0.35 |
| 144 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.32 | 0.30 | 0.34 | 0.35 |
| 145 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.38 | 0.33 | 0.34 | 0.35 |
| 146 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.33 | 0.34 | 0.35 |
| 147 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.36 | 0.35 | 0.35 |
| 148 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.38 | 0.40 | 0.35 |
| 149 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.36 | 0.37 | 0.35 |
| 150 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 151 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 152 | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 153 | 0.00 | 0.00 | 0.00 | 0.00 | 0.17 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 154 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 155 | 0.00 | 0.00 | 0.00 | 0.00 | 0.27 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 156 | 0.00 | 0.00 | 0.00 | 0.00 | 0.33 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 157 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 158 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.30 | 0.35 | 0.38 | 0.37 | 0.35 |
| 161 | 0.00 | 0.00 | 0.00 | 0.00 | 0.41 | 0.33 | 0.35 | 0.38 | 0.40 | 0.35 |
| 162 | 0.00 | 0.00 | 0.00 | 0.00 | 0.49 | 0.41 | 0.35 | 0.38 | 0.37 | 0.35 |
| 163 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.44 | 0.35 | 0.38 | 0.42 | 0.38 |
| 164 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.41 | 0.35 | 0.38 | 0.40 | 0.35 |

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|------|------|------|
| 165 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.41 | 0.35 | 0.38 | 0.40 | 0.32 |
| 166 | 0.00 | 0.00 | 0.00 | 0.00 | 0.46 | 0.41 | 0.35 | 0.38 | 0.40 | 0.32 |
| 167 | 0.00 | 0.00 | 0.00 | 0.05 | 0.46 | 0.41 | 0.35 | 0.35 | 0.40 | 0.32 |
| 168 | 0.00 | 0.00 | 0.03 | 0.05 | 0.46 | 0.41 | 0.35 | 0.35 | 0.40 | 0.32 |
| 169 | 0.03 | 0.00 | 0.05 | 0.11 | 0.46 | 0.41 | 0.35 | 0.35 | 0.40 | 0.32 |
| 170 | 0.05 | 0.03 | 0.06 | 0.08 | 0.46 | 0.41 | 0.35 | 0.35 | 0.40 | 0.32 |
| 171 | 0.08 | 0.11 | 0.06 | 0.08 | 0.46 | 0.43 | 0.35 | 0.35 | 0.40 | 0.32 |
| 172 | 0.08 | 0.08 | 0.08 | 0.08 | 0.46 | 0.38 | 0.35 | 0.35 | 0.40 | 0.32 |
| 173 | 0.11 | 0.08 | 0.16 | 0.08 | 0.46 | 0.38 | 0.35 | 0.36 | 0.40 | 0.32 |
| 174 | 0.18 | 0.08 | 0.25 | 0.08 | 0.49 | 0.35 | 0.35 | 0.38 | 0.40 | 0.32 |
| 175 | 0.24 | 0.08 | 0.38 | 0.14 | 0.46 | 0.35 | 0.35 | 0.33 | 0.40 | 0.32 |
| 176 | 0.26 | 0.13 | 0.44 | 0.16 | 0.33 | 0.33 | 0.35 | 0.33 | 0.40 | 0.32 |
| 177 | 0.34 | 0.13 | 0.41 | 0.19 | 0.30 | 0.33 | 0.30 | 0.33 | 0.40 | 0.32 |
| 178 | 0.32 | 0.13 | 0.41 | 0.22 | 0.30 | 0.33 | 0.32 | 0.33 | 0.40 | 0.32 |
| 179 | 0.32 | 0.13 | 0.41 | 0.22 | 0.30 | 0.33 | 0.30 | 0.33 | 0.40 | 0.32 |
| 180 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |

**Vert. Angles**      **Horizontal Angles**

|    | <u>225.0</u> | <u>247.5</u> | <u>270.0</u> | <u>292.5</u> | <u>315.0</u> | <u>337.5</u> | <u>360.0</u> |
|----|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0  | 672.14       | 672.14       | 672.14       | 672.14       | 672.14       | 672.14       | 672.14       |
| 1  | 665.07       | 662.35       | 660.44       | 672.61       | 662.28       | 658.16       | 657.62       |
| 2  | 667.86       | 668.33       | 671.28       | 672.99       | 663.69       | 670.61       | 655.01       |
| 3  | 667.71       | 654.03       | 667.37       | 666.92       | 669.23       | 674.64       | 662.19       |
| 4  | 656.35       | 683.28       | 680.63       | 672.87       | 668.26       | 687.85       | 664.85       |
| 5  | 675.73       | 657.79       | 671.78       | 674.32       | 682.92       | 680.50       | 666.67       |
| 6  | 650.35       | 658.12       | 684.48       | 682.60       | 684.23       | 681.96       | 672.66       |
| 7  | 677.00       | 661.98       | 664.21       | 667.63       | 668.96       | 688.87       | 662.28       |
| 8  | 645.62       | 648.95       | 665.41       | 686.41       | 676.98       | 679.47       | 685.12       |
| 9  | 644.71       | 648.20       | 670.55       | 681.26       | 672.04       | 681.22       | 676.99       |
| 10 | 655.53       | 651.32       | 666.44       | 673.85       | 669.57       | 683.61       | 674.56       |
| 11 | 634.82       | 644.52       | 661.96       | 666.82       | 680.79       | 691.67       | 685.84       |
| 12 | 640.62       | 630.84       | 645.94       | 673.81       | 665.66       | 698.40       | 692.60       |
| 13 | 624.33       | 638.63       | 660.43       | 678.31       | 686.95       | 700.06       | 679.31       |
| 14 | 630.47       | 630.76       | 655.09       | 658.13       | 672.73       | 700.49       | 692.45       |
| 15 | 621.29       | 618.48       | 648.61       | 653.45       | 679.23       | 708.91       | 686.76       |
| 16 | 624.50       | 614.39       | 648.37       | 667.66       | 674.95       | 708.41       | 684.68       |
| 17 | 598.10       | 613.28       | 644.83       | 645.13       | 680.32       | 708.21       | 685.15       |
| 18 | 582.59       | 608.09       | 638.21       | 647.18       | 673.46       | 698.25       | 684.82       |
| 19 | 587.73       | 612.71       | 632.41       | 640.78       | 671.08       | 710.98       | 686.90       |
| 20 | 590.00       | 606.20       | 627.53       | 652.00       | 672.54       | 707.17       | 696.51       |
| 21 | 577.02       | 599.50       | 627.50       | 653.92       | 679.27       | 697.63       | 696.28       |
| 22 | 557.30       | 586.84       | 616.97       | 663.91       | 673.42       | 711.17       | 694.74       |
| 23 | 561.10       | 595.41       | 621.23       | 648.53       | 661.31       | 698.47       | 699.66       |
| 24 | 574.23       | 576.96       | 607.89       | 632.22       | 661.50       | 686.73       | 684.79       |
| 25 | 537.50       | 562.88       | 608.44       | 643.93       | 659.54       | 696.89       | 692.15       |
| 26 | 525.89       | 568.57       | 598.61       | 639.24       | 654.56       | 694.44       | 685.48       |
| 27 | 526.94       | 552.96       | 590.73       | 632.09       | 644.01       | 703.45       | 694.06       |
| 28 | 509.51       | 537.52       | 600.51       | 635.78       | 651.08       | 691.77       | 689.54       |
| 29 | 497.19       | 537.48       | 587.67       | 626.39       | 650.43       | 689.17       | 680.47       |
| 30 | 490.02       | 534.29       | 575.31       | 617.67       | 648.60       | 690.08       | 671.95       |
| 31 | 467.05       | 522.86       | 571.56       | 616.46       | 647.64       | 680.96       | 660.45       |
| 32 | 452.77       | 513.06       | 566.92       | 610.23       | 625.83       | 670.83       | 664.28       |
| 33 | 436.70       | 513.06       | 573.58       | 603.01       | 636.21       | 670.55       | 654.87       |
| 34 | 416.36       | 503.43       | 556.15       | 594.30       | 630.90       | 665.04       | 654.61       |
| 35 | 397.82       | 496.43       | 549.34       | 589.42       | 621.81       | 660.74       | 641.74       |

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES**

**CANDELA TABULATION - (Cont.)**

|    |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|
| 36 | 391.42 | 480.78 | 537.73 | 577.08 | 620.08 | 646.30 | 643.21 |
| 37 | 370.96 | 475.39 | 521.62 | 577.19 | 621.41 | 633.33 | 634.31 |
| 38 | 355.72 | 475.47 | 516.59 | 570.34 | 609.08 | 635.51 | 630.90 |
| 39 | 341.16 | 469.84 | 512.42 | 551.01 | 593.54 | 625.89 | 619.03 |
| 40 | 334.79 | 448.17 | 501.24 | 576.90 | 589.47 | 618.62 | 613.26 |
| 41 | 322.52 | 441.03 | 488.17 | 544.78 | 591.98 | 608.92 | 609.17 |
| 42 | 304.60 | 425.36 | 476.53 | 539.77 | 578.70 | 600.18 | 607.39 |
| 43 | 302.69 | 414.25 | 480.80 | 542.57 | 576.76 | 600.44 | 599.31 |
| 44 | 288.10 | 406.18 | 471.71 | 506.68 | 556.98 | 602.52 | 595.12 |
| 45 | 277.74 | 393.09 | 455.08 | 526.97 | 552.08 | 579.53 | 586.23 |
| 46 | 267.30 | 374.08 | 440.22 | 518.60 | 539.72 | 577.60 | 581.27 |
| 47 | 256.38 | 353.66 | 424.43 | 501.25 | 535.58 | 575.14 | 561.58 |
| 48 | 248.47 | 334.87 | 420.16 | 495.33 | 533.70 | 573.22 | 545.26 |
| 49 | 234.25 | 323.75 | 413.53 | 500.45 | 512.67 | 540.67 | 538.94 |
| 50 | 219.64 | 305.85 | 394.52 | 483.82 | 508.77 | 539.21 | 512.49 |
| 51 | 207.86 | 285.47 | 379.70 | 460.07 | 495.59 | 522.17 | 489.02 |
| 52 | 190.35 | 266.08 | 368.63 | 452.25 | 484.49 | 493.95 | 466.90 |
| 53 | 174.04 | 253.86 | 357.20 | 443.99 | 470.23 | 477.09 | 443.23 |
| 54 | 167.77 | 240.05 | 340.91 | 434.92 | 475.51 | 452.50 | 421.94 |
| 55 | 153.36 | 226.23 | 329.07 | 408.02 | 458.37 | 432.33 | 400.01 |
| 56 | 142.51 | 210.83 | 307.15 | 398.12 | 446.58 | 405.01 | 391.78 |
| 57 | 137.70 | 193.59 | 307.86 | 370.28 | 435.02 | 399.17 | 372.15 |
| 58 | 125.92 | 180.74 | 288.38 | 365.48 | 407.07 | 371.67 | 359.51 |
| 59 | 113.60 | 169.81 | 267.60 | 351.55 | 388.10 | 362.71 | 348.30 |
| 60 | 98.69  | 157.74 | 257.25 | 342.76 | 375.60 | 348.74 | 336.13 |
| 61 | 88.89  | 147.90 | 246.47 | 319.02 | 348.81 | 332.69 | 322.70 |
| 62 | 80.64  | 135.90 | 227.43 | 302.86 | 325.64 | 323.39 | 304.61 |
| 63 | 74.57  | 125.87 | 213.33 | 293.25 | 298.79 | 301.93 | 284.86 |
| 64 | 68.88  | 113.81 | 199.92 | 279.23 | 285.69 | 286.83 | 258.19 |
| 65 | 61.91  | 103.25 | 180.36 | 260.90 | 272.74 | 262.41 | 226.58 |
| 66 | 58.92  | 92.88  | 168.67 | 244.02 | 258.75 | 235.29 | 205.57 |
| 67 | 53.38  | 83.00  | 155.98 | 225.14 | 248.40 | 204.20 | 183.13 |
| 68 | 49.77  | 72.06  | 139.82 | 210.52 | 230.16 | 181.93 | 163.63 |
| 69 | 44.38  | 62.31  | 122.50 | 193.92 | 211.50 | 162.72 | 150.39 |
| 70 | 40.21  | 54.98  | 110.38 | 178.26 | 187.49 | 147.52 | 144.41 |
| 71 | 35.80  | 48.72  | 98.41  | 159.57 | 163.32 | 136.80 | 138.66 |
| 72 | 32.01  | 41.79  | 85.19  | 138.92 | 136.40 | 134.87 | 130.31 |
| 73 | 29.00  | 35.15  | 73.59  | 120.02 | 113.64 | 128.33 | 106.88 |
| 74 | 24.69  | 30.28  | 61.87  | 103.23 | 97.85  | 115.66 | 73.65  |
| 75 | 22.09  | 26.41  | 50.18  | 84.84  | 86.81  | 81.66  | 45.10  |
| 76 | 18.78  | 22.48  | 43.07  | 77.23  | 82.14  | 49.98  | 35.09  |
| 77 | 16.37  | 18.94  | 32.58  | 62.13  | 76.59  | 34.23  | 32.60  |
| 78 | 13.39  | 16.08  | 25.53  | 52.10  | 57.16  | 29.95  | 29.63  |
| 79 | 10.73  | 13.31  | 19.12  | 40.60  | 33.91  | 27.21  | 27.36  |
| 80 | 8.62   | 10.75  | 15.12  | 29.07  | 22.86  | 24.76  | 24.36  |
| 81 | 6.66   | 8.60   | 11.71  | 21.71  | 18.78  | 21.53  | 21.20  |
| 82 | 4.77   | 6.50   | 8.91   | 16.78  | 15.72  | 18.18  | 17.85  |
| 83 | 3.18   | 4.65   | 6.57   | 10.94  | 13.15  | 14.67  | 14.68  |
| 84 | 2.05   | 3.17   | 4.77   | 7.81   | 9.77   | 11.61  | 11.59  |
| 85 | 0.92   | 1.80   | 3.37   | 5.55   | 7.17   | 8.12   | 8.59   |
| 86 | 0.17   | 0.80   | 2.07   | 3.74   | 4.81   | 5.55   | 5.84   |
| 87 | 0.00   | 0.05   | 1.04   | 2.18   | 2.86   | 3.41   | 3.62   |
| 88 | 0.00   | 0.00   | 0.28   | 0.96   | 1.42   | 1.84   | 1.95   |
| 89 | 0.00   | 0.00   | 0.00   | 0.18   | 0.44   | 0.68   | 0.89   |
| 90 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   | 0.26   |
| 91 | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.00   | 0.01   |

**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| 92  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 93  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 94  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 95  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 96  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 97  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 98  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 99  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 100 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 101 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 102 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 104 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 105 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 106 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 107 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 108 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 109 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 110 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 111 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 112 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 113 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 114 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 115 | 0.06 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 116 | 0.06 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 117 | 0.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 118 | 0.08 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 119 | 0.08 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 120 | 0.08 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 121 | 0.14 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 122 | 0.11 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 123 | 0.11 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 124 | 0.14 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 125 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 126 | 0.17 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 127 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 128 | 0.17 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 129 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 130 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 131 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 132 | 0.17 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 133 | 0.19 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | 0.22 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | 0.19 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | 0.22 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | 0.22 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | 0.22 | 0.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 139 | 0.22 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 140 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 141 | 0.28 | 0.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 142 | 0.30 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 143 | 0.33 | 0.27 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 144 | 0.33 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 145 | 0.36 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 146 | 0.39 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 147 | 0.39 | 0.30 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

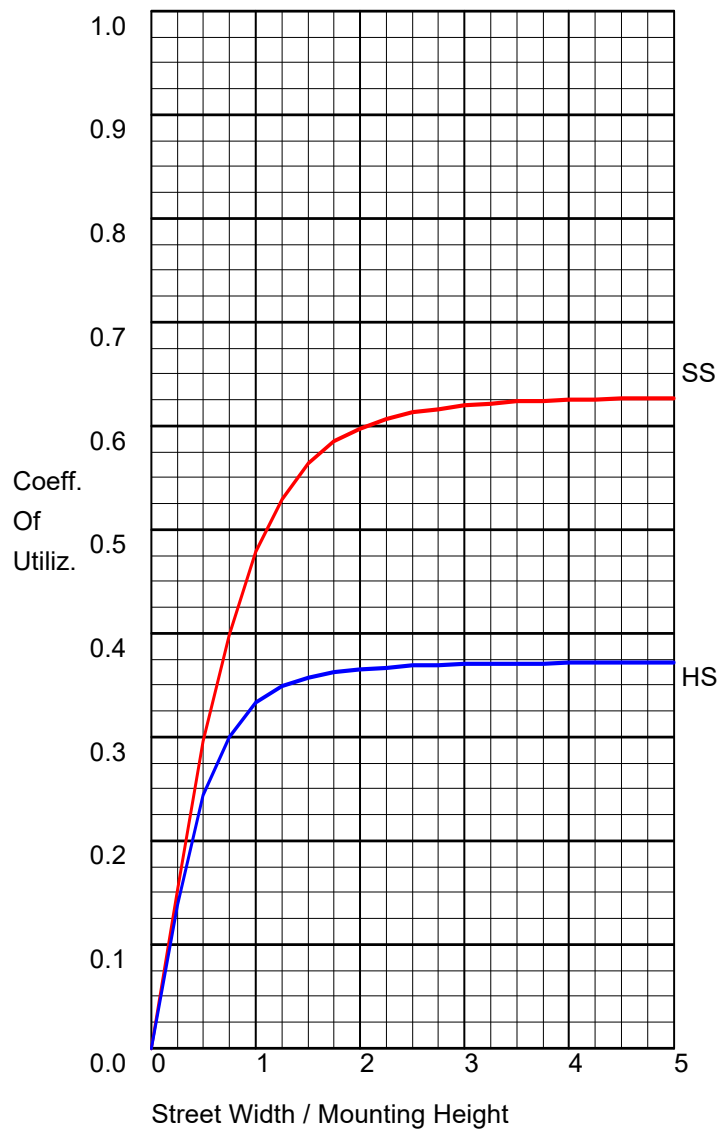


**IES ROAD REPORT**  
**PHOTOMETRIC FILENAME : WSSE MD F UV D 840.IES**

**CANDELA TABULATION - (Cont.)**

|     |      |      |      |      |      |      |      |
|-----|------|------|------|------|------|------|------|
| 148 | 0.39 | 0.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 149 | 0.39 | 0.36 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 150 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 151 | 0.39 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 152 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 153 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 154 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 155 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 156 | 0.39 | 0.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 157 | 0.39 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 158 | 0.39 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 159 | 0.39 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 160 | 0.39 | 0.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 161 | 0.39 | 0.41 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 |
| 162 | 0.39 | 0.41 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 163 | 0.39 | 0.41 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 164 | 0.39 | 0.41 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 165 | 0.39 | 0.41 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 166 | 0.39 | 0.41 | 0.08 | 0.03 | 0.00 | 0.00 | 0.00 |
| 167 | 0.39 | 0.41 | 0.08 | 0.05 | 0.00 | 0.00 | 0.00 |
| 168 | 0.39 | 0.41 | 0.08 | 0.08 | 0.05 | 0.00 | 0.00 |
| 169 | 0.39 | 0.41 | 0.08 | 0.05 | 0.05 | 0.00 | 0.03 |
| 170 | 0.39 | 0.41 | 0.08 | 0.05 | 0.08 | 0.00 | 0.05 |
| 171 | 0.39 | 0.41 | 0.08 | 0.05 | 0.08 | 0.08 | 0.08 |
| 172 | 0.39 | 0.41 | 0.08 | 0.05 | 0.13 | 0.11 | 0.08 |
| 173 | 0.39 | 0.41 | 0.08 | 0.05 | 0.16 | 0.08 | 0.11 |
| 174 | 0.39 | 0.41 | 0.14 | 0.11 | 0.21 | 0.08 | 0.18 |
| 175 | 0.39 | 0.41 | 0.38 | 0.22 | 0.27 | 0.22 | 0.24 |
| 176 | 0.38 | 0.41 | 0.41 | 0.27 | 0.30 | 0.27 | 0.26 |
| 177 | 0.30 | 0.41 | 0.41 | 0.27 | 0.30 | 0.35 | 0.34 |
| 178 | 0.19 | 0.41 | 0.41 | 0.27 | 0.35 | 0.35 | 0.32 |
| 179 | 0.14 | 0.41 | 0.36 | 0.33 | 0.32 | 0.35 | 0.32 |
| 180 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 | 0.33 |

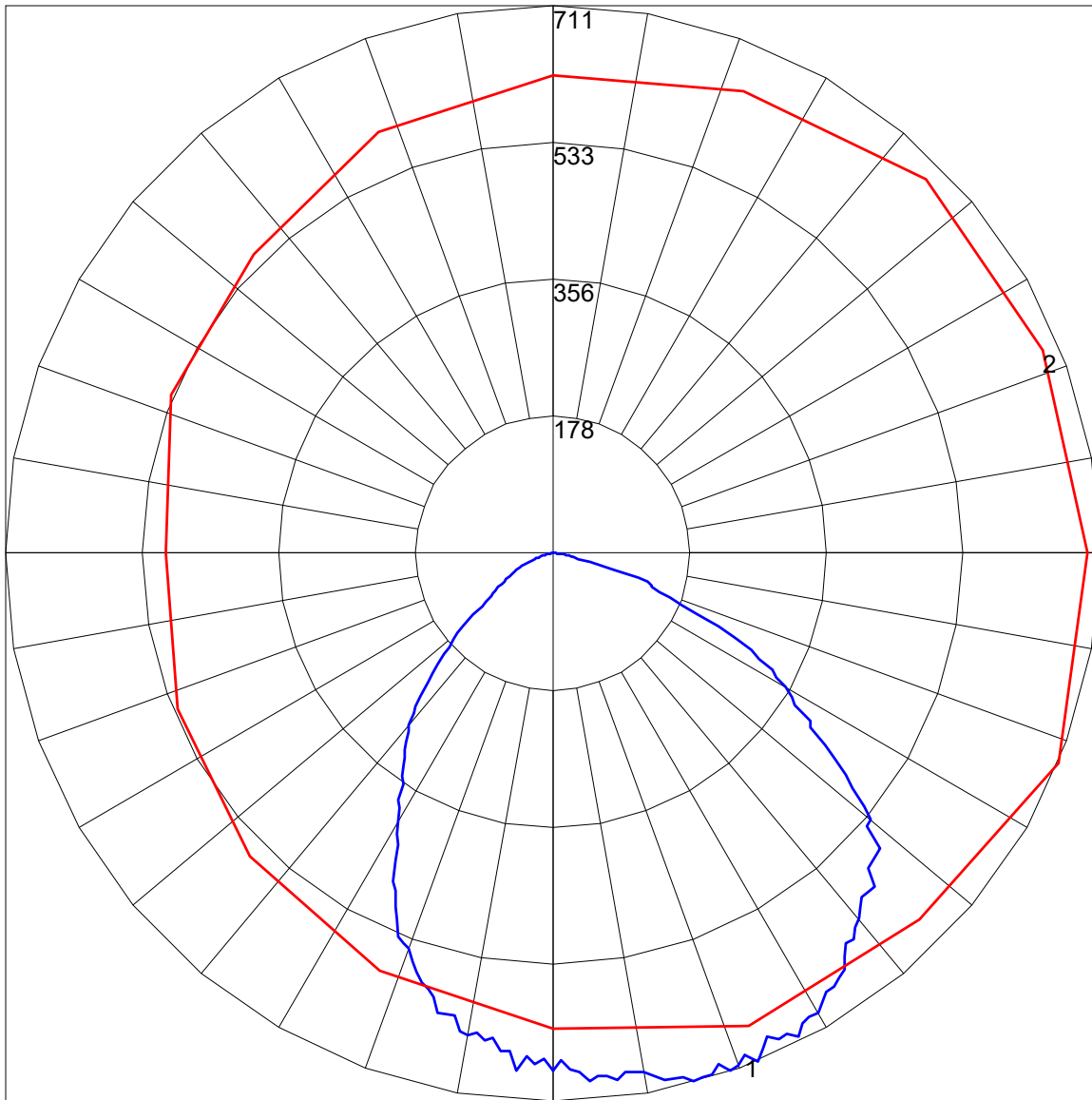
### COEFFICIENTS OF UTILIZATION



### FLUX DISTRIBUTION

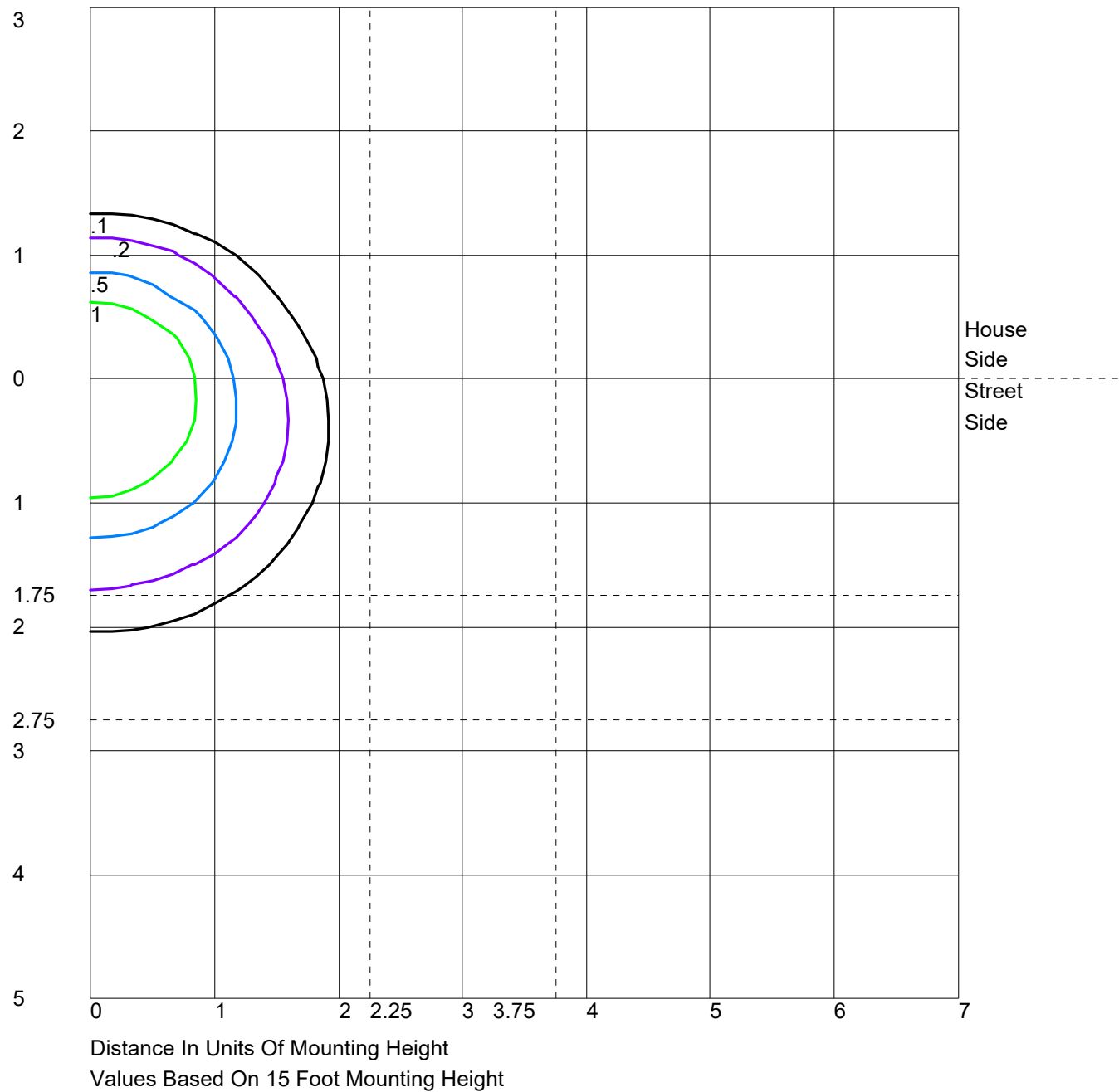
|                      | Lumens | Percent<br>Of Luminaire |
|----------------------|--------|-------------------------|
| Downward Street Side | 1033.5 | 62.8                    |
| Downward House Side  | 612.5  | 37.2                    |
| Downward Total       | 1646.0 | 100.0                   |
| Upward Street Side   | 0.0    | 0.0                     |
| Upward House Side    | 0.4    | 0.0                     |
| Upward Total         | 0.4    | 0.0                     |
| Total Flux           | 1646.4 | 100.0                   |

POLAR GRAPH

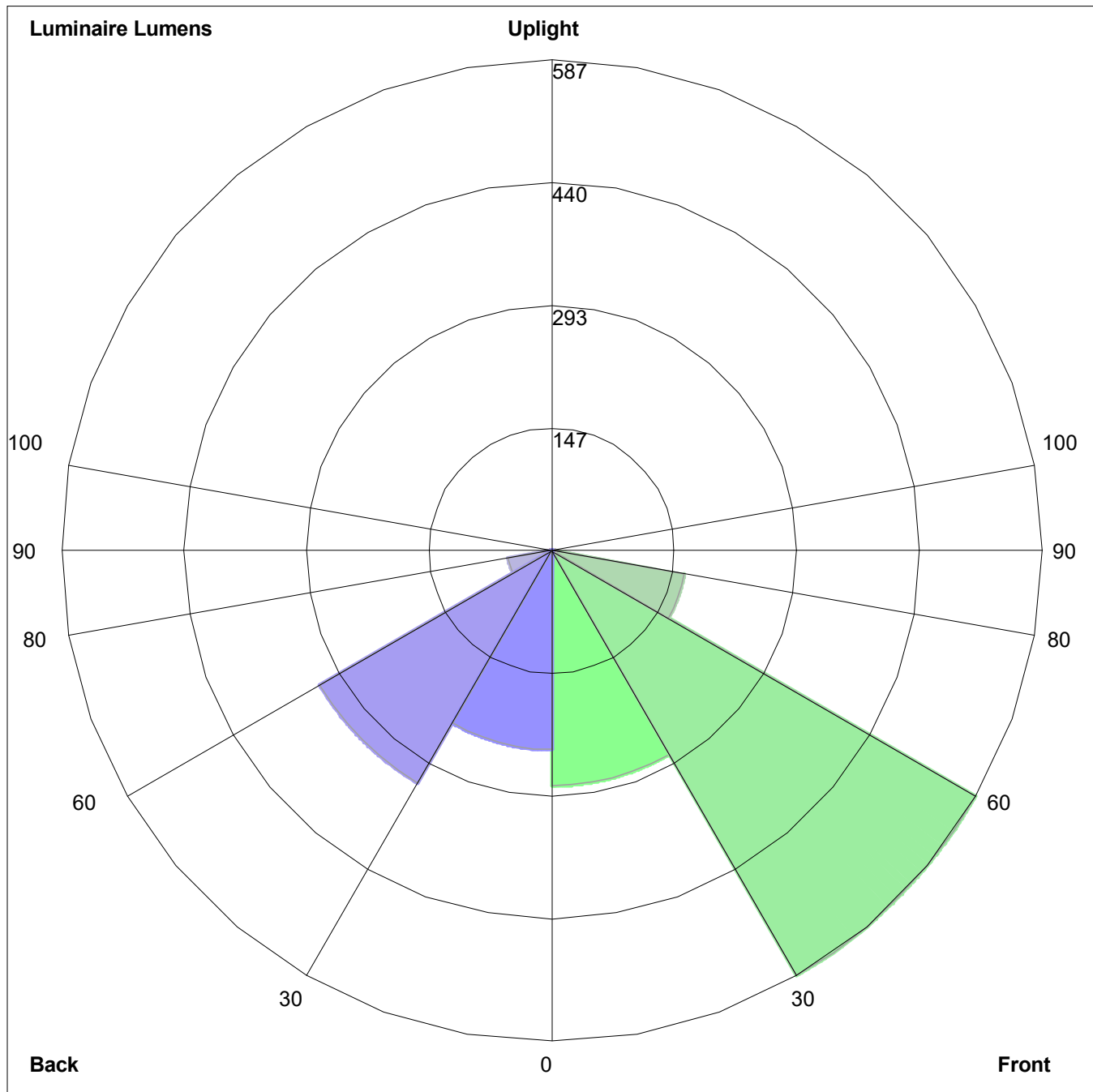


Maximum Candela = 711.17 Located At Horizontal Angle = 337.5, Vertical Angle = 22  
# 1 - Vertical Plane Through Horizontal Angles (337.5 - 157.5) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (22) (Through Max. Cd.)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE



LUMINAIRE CLASSIFICATION SYSTEM (LCS) GRAPH



Luminaire Lumens:  
Front: Low=281.5, Medium=586.9, High=161.1, Very High=4.1  
Back: Low=238.0, Medium=320.6, High=52.8, Very High=1.1  
Uplight: Low=0.0, High=0.4

BUG Rating : B1-U1-G0