



## Picasso Lighting

### IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] Viso LabSpion - serial: 3668013500 sensor serial: 2584897701

[TESTLAB] Viso LabSpion - serial: 3668013500 sensor serial: 2584897701 - Test lab

[MANUFAC] Picasso Lighting

[ISSUEDATE] 9/7/2021

[LUMINAIRE] SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150

[LUMCAT] SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150

[\_SERIALNUMBER] VFR-210907-2763-MS

### CHARACTERISTICS

|                                 |                 |
|---------------------------------|-----------------|
| Lumens Per Lamp                 | N.A. (absolute) |
| Total Lamp Lumens               | N.A. (absolute) |
| Luminaire Lumens                | 1700            |
| Total Luminaire Efficiency      | N.A.            |
| Luminaire Efficacy Rating (LER) | 100             |
| Total Luminaire Watts           | 16.95           |
| Ballast Factor                  | 1.00            |
| CIE Type                        | General Diffuse |
| Spacing Criterion (0-180)       | N.A.            |
| Spacing Criterion (90-270)      | N.A.            |
| Spacing Criterion (Diagonal)    | N.A.            |
| Basic Luminous Shape            | Rectangular     |
| Luminous Length (0-180)         | 1.96 ft         |
| Luminous Width (90-270)         | 0.06 ft         |
| Luminous Height                 | 0.00 ft         |

### LUMINANCE DATA (cd/sq.m)

| Angle In<br>Degrees | Average<br>0-Deg | Average<br>45-Deg | Average<br>90-Deg |
|---------------------|------------------|-------------------|-------------------|
| 45                  | 6537             | 11569             | 11349             |
| 55                  | 1986             | 4013              | 3649              |
| 65                  | 1337             | 1426              | 1300              |
| 75                  | 1805             | 1791              | 1848              |
| 85                  | 4092             | 4218              | 4260              |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150.IES**

**CANDELA TABULATION**

|              | <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> |
|--------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| <b>0.0</b>   | 1881.27    | 1881.27     | 1881.27     | 1881.27     | 1881.27     | 1881.27      | 1881.27      | 1881.27      | 1881.27      | 1881.27      |
| <b>2.5</b>   | 1848.39    | 1849.32     | 1864.56     | 1878.78     | 1861.98     | 1861.60      | 1855.61      | 1856.08      | 1848.39      | 1849.32      |
| <b>5.0</b>   | 1761.31    | 1764.93     | 1781.89     | 1799.83     | 1784.49     | 1783.51      | 1773.39      | 1769.77      | 1761.31      | 1764.93      |
| <b>7.5</b>   | 1625.02    | 1632.66     | 1652.92     | 1675.51     | 1663.45     | 1660.84      | 1644.49      | 1635.39      | 1625.02      | 1632.66      |
| <b>10.0</b>  | 1455.80    | 1467.73     | 1491.35     | 1518.22     | 1511.07     | 1505.90      | 1483.08      | 1466.91      | 1455.80      | 1467.73      |
| <b>12.5</b>  | 1273.00    | 1289.10     | 1315.18     | 1345.14     | 1342.92     | 1335.52      | 1306.97      | 1285.35      | 1273.00      | 1289.10      |
| <b>15.0</b>  | 1096.13    | 1113.91     | 1140.92     | 1173.00     | 1175.19     | 1165.00      | 1133.51      | 1107.62      | 1096.13      | 1113.91      |
| <b>17.5</b>  | 934.81     | 953.08      | 980.28      | 1008.39     | 1018.14     | 1002.55      | 973.14       | 946.85       | 934.81       | 953.08       |
| <b>20.0</b>  | 789.39     | 809.11      | 836.69      | 860.86      | 876.21      | 855.20       | 830.64       | 803.67       | 789.39       | 809.11       |
| <b>22.5</b>  | 653.42     | 678.43      | 708.31      | 735.39      | 750.10      | 729.20       | 705.15       | 674.32       | 653.42       | 678.43       |
| <b>25.0</b>  | 524.05     | 556.77      | 592.80      | 624.36      | 637.63      | 619.46       | 594.37       | 554.04       | 524.05       | 556.77       |
| <b>27.5</b>  | 403.81     | 443.47      | 491.60      | 526.44      | 536.33      | 523.07       | 495.90       | 440.81       | 403.81       | 443.47       |
| <b>30.0</b>  | 300.55     | 342.24      | 404.30      | 439.22      | 439.98      | 436.42       | 408.01       | 339.24       | 300.55       | 342.24       |
| <b>32.5</b>  | 219.80     | 257.50      | 327.42      | 358.26      | 348.85      | 356.37       | 330.98       | 254.51       | 219.80       | 257.50       |
| <b>35.0</b>  | 160.83     | 191.61      | 261.33      | 284.31      | 269.28      | 283.28       | 264.56       | 188.63       | 160.83       | 191.61       |
| <b>37.5</b>  | 118.88     | 142.59      | 205.67      | 220.87      | 204.69      | 220.43       | 208.16       | 140.69       | 118.88       | 142.59       |
| <b>40.0</b>  | 88.91      | 106.33      | 159.02      | 169.26      | 154.79      | 169.38       | 160.73       | 105.33       | 88.91        | 106.33       |
| <b>42.5</b>  | 66.87      | 79.24       | 120.60      | 128.75      | 116.72      | 129.10       | 121.33       | 80.04        | 66.87        | 79.24        |
| <b>45.0</b>  | 50.55      | 59.69       | 89.46       | 97.48       | 87.76       | 97.80        | 89.55        | 61.07        | 50.55        | 59.69        |
| <b>47.5</b>  | 37.66      | 45.27       | 65.48       | 73.30       | 65.68       | 73.54        | 65.32        | 46.44        | 37.66        | 45.27        |
| <b>50.0</b>  | 27.38      | 33.84       | 47.85       | 54.52       | 48.43       | 54.51        | 47.70        | 34.77        | 27.38        | 33.84        |
| <b>52.5</b>  | 19.02      | 24.51       | 34.90       | 39.81       | 34.38       | 39.66        | 34.73        | 25.18        | 19.02        | 24.51        |
| <b>55.0</b>  | 12.46      | 16.89       | 25.17       | 28.16       | 22.89       | 27.93        | 25.08        | 17.21        | 12.46        | 16.89        |
| <b>57.5</b>  | 8.33       | 11.27       | 17.72       | 18.63       | 14.11       | 18.53        | 17.56        | 11.09        | 8.33         | 11.27        |
| <b>60.0</b>  | 6.67       | 7.93        | 12.12       | 11.60       | 8.75        | 11.53        | 11.94        | 7.48         | 6.67         | 7.93         |
| <b>62.5</b>  | 6.26       | 6.55        | 8.49        | 7.57        | 6.53        | 7.53         | 8.22         | 6.35         | 6.26         | 6.55         |
| <b>65.0</b>  | 6.18       | 6.13        | 6.59        | 6.21        | 6.01        | 6.14         | 6.43         | 6.04         | 6.18         | 6.13         |
| <b>67.5</b>  | 6.04       | 5.88        | 5.87        | 5.87        | 5.88        | 5.70         | 5.90         | 5.78         | 6.04         | 5.88         |
| <b>70.0</b>  | 5.71       | 5.72        | 5.60        | 5.67        | 5.69        | 5.47         | 5.63         | 5.71         | 5.71         | 5.72         |
| <b>72.5</b>  | 5.43       | 5.44        | 5.31        | 5.39        | 5.48        | 5.29         | 5.34         | 5.40         | 5.43         | 5.44         |
| <b>75.0</b>  | 5.11       | 5.04        | 5.07        | 5.09        | 5.23        | 5.07         | 5.08         | 5.17         | 5.11         | 5.04         |
| <b>77.5</b>  | 4.81       | 4.77        | 4.84        | 4.90        | 5.02        | 4.88         | 4.85         | 4.76         | 4.81         | 4.77         |
| <b>80.0</b>  | 4.52       | 4.57        | 4.55        | 4.66        | 4.70        | 4.61         | 4.65         | 4.49         | 4.52         | 4.57         |
| <b>82.5</b>  | 4.22       | 4.22        | 4.25        | 4.34        | 4.42        | 4.26         | 4.30         | 4.28         | 4.22         | 4.22         |
| <b>85.0</b>  | 3.90       | 3.92        | 4.02        | 4.13        | 4.06        | 3.96         | 3.99         | 3.94         | 3.90         | 3.92         |
| <b>87.5</b>  | 3.75       | 3.69        | 3.87        | 0.71        | 3.54        | 3.79         | 3.52         | 3.65         | 3.75         | 3.69         |
| <b>90.0</b>  | 3.27       | 0.40        | 3.23        | 0.40        | 3.31        | 3.27         | 3.42         | 3.03         | 3.27         | 0.40         |
| <b>92.5</b>  | 3.23       | 15.65       | 6.58        | 17.66       | 32.72       | 30.83        | 53.49        | 19.62        | 6.21         | 19.62        |
| <b>95.0</b>  | 4.68       | 29.86       | 37.12       | 72.76       | 67.38       | 75.22        | 83.42        | 29.97        | 11.90        | 29.97        |
| <b>97.5</b>  | 8.75       | 36.19       | 67.30       | 107.95      | 109.03      | 109.18       | 105.34       | 34.64        | 18.55        | 34.64        |
| <b>100.0</b> | 14.60      | 40.21       | 91.19       | 123.69      | 146.96      | 145.25       | 115.51       | 38.01        | 25.24        | 38.01        |
| <b>102.5</b> | 21.01      | 43.10       | 107.58      | 141.21      | 182.37      | 181.75       | 119.45       | 41.57        | 31.81        | 41.57        |
| <b>105.0</b> | 27.84      | 46.59       | 115.43      | 161.71      | 215.30      | 206.82       | 119.74       | 46.20        | 38.37        | 46.20        |
| <b>107.5</b> | 34.61      | 51.48       | 118.79      | 176.30      | 238.59      | 223.10       | 118.00       | 51.83        | 44.90        | 51.83        |
| <b>110.0</b> | 41.20      | 57.09       | 118.45      | 183.21      | 252.81      | 228.64       | 114.80       | 57.57        | 50.89        | 57.57        |
| <b>112.5</b> | 47.59      | 62.91       | 115.57      | 185.23      | 257.98      | 224.88       | 112.67       | 62.83        | 56.63        | 62.83        |
| <b>115.0</b> | 53.53      | 68.25       | 111.86      | 186.29      | 255.00      | 214.78       | 111.99       | 67.81        | 61.83        | 67.81        |
| <b>117.5</b> | 58.98      | 73.17       | 109.19      | 188.98      | 244.79      | 201.65       | 112.46       | 72.65        | 66.61        | 72.65        |
| <b>120.0</b> | 64.15      | 77.63       | 108.37      | 179.69      | 231.29      | 188.76       | 113.76       | 77.18        | 71.05        | 77.18        |
| <b>122.5</b> | 68.88      | 81.95       | 109.13      | 169.36      | 216.66      | 177.35       | 115.40       | 81.48        | 74.98        | 81.48        |
| <b>125.0</b> | 73.30      | 85.99       | 111.09      | 161.43      | 202.63      | 168.19       | 117.30       | 85.28        | 78.74        | 85.28        |
| <b>127.5</b> | 77.30      | 89.57       | 113.37      | 155.87      | 190.89      | 161.13       | 119.08       | 88.68        | 82.22        | 88.68        |
| <b>130.0</b> | 80.93      | 92.87       | 115.89      | 152.05      | 181.21      | 155.82       | 120.91       | 91.86        | 85.57        | 91.86        |
| <b>132.5</b> | 84.39      | 95.77       | 118.32      | 149.44      | 173.27      | 152.10       | 122.57       | 94.94        | 88.70        | 94.94        |

# IES INDOOR REPORT

PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150.IES

## CANDELA TABULATION - (Cont.)

|       |        |        |        |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 135.0 | 87.71  | 98.50  | 120.44 | 147.46 | 166.92 | 149.39 | 124.17 | 97.90  | 91.59  | 97.90  |
| 137.5 | 90.79  | 101.16 | 122.17 | 146.07 | 161.81 | 147.38 | 125.54 | 100.52 | 94.60  | 100.52 |
| 140.0 | 93.80  | 103.61 | 123.74 | 144.95 | 157.64 | 145.83 | 126.56 | 103.09 | 97.35  | 103.09 |
| 142.5 | 96.53  | 105.98 | 125.11 | 143.78 | 154.31 | 144.38 | 127.12 | 105.29 | 100.02 | 105.29 |
| 145.0 | 99.38  | 108.19 | 126.21 | 142.78 | 151.48 | 143.11 | 127.42 | 107.46 | 102.42 | 107.46 |
| 147.5 | 102.01 | 110.15 | 126.94 | 141.75 | 148.93 | 141.93 | 127.32 | 109.27 | 104.93 | 109.27 |
| 150.0 | 104.68 | 111.97 | 127.30 | 140.42 | 146.41 | 140.57 | 127.12 | 110.95 | 107.24 | 110.95 |
| 152.5 | 107.02 | 113.61 | 127.25 | 139.02 | 143.97 | 138.96 | 126.67 | 112.47 | 109.48 | 112.47 |
| 155.0 | 109.28 | 114.84 | 127.04 | 137.24 | 141.54 | 137.30 | 126.13 | 113.81 | 111.55 | 113.81 |
| 157.5 | 111.39 | 115.94 | 126.68 | 135.24 | 139.03 | 135.25 | 125.58 | 115.17 | 113.40 | 115.17 |
| 160.0 | 113.35 | 117.11 | 126.09 | 133.09 | 136.33 | 133.21 | 125.06 | 116.51 | 115.19 | 116.51 |
| 162.5 | 114.90 | 118.28 | 125.61 | 128.44 | 133.51 | 131.16 | 124.51 | 117.85 | 116.64 | 117.85 |
| 165.0 | 116.53 | 119.50 | 125.09 | 114.47 | 130.89 | 129.27 | 123.72 | 118.88 | 118.19 | 118.88 |
| 167.5 | 117.88 | 120.37 | 124.45 | 107.87 | 128.63 | 127.34 | 122.97 | 119.74 | 119.22 | 119.74 |
| 170.0 | 119.25 | 120.85 | 123.68 | 107.53 | 126.42 | 125.31 | 122.34 | 120.40 | 120.19 | 120.40 |
| 172.5 | 120.08 | 121.17 | 122.92 | 107.66 | 124.61 | 123.38 | 121.92 | 120.81 | 120.82 | 120.81 |
| 175.0 | 120.73 | 121.33 | 122.51 | 107.45 | 123.46 | 120.47 | 121.59 | 121.16 | 121.35 | 121.16 |
| 177.5 | 121.24 | 121.54 | 121.92 | 106.23 | 122.66 | 109.33 | 121.54 | 121.46 | 121.49 | 121.46 |
| 180.0 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 |

## Vert. 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> |
|------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 0.0  | 1881.27      | 1881.27      | 1881.27      | 1881.27      | 1881.27      | 1881.27      | 1881.27      |
| 2.5  | 1864.56      | 1878.78      | 1861.98      | 1861.60      | 1855.61      | 1856.08      | 1848.39      |
| 5.0  | 1781.89      | 1799.83      | 1784.49      | 1783.51      | 1773.39      | 1769.77      | 1761.31      |
| 7.5  | 1652.92      | 1675.51      | 1663.45      | 1660.84      | 1644.49      | 1635.39      | 1625.02      |
| 10.0 | 1491.35      | 1518.22      | 1511.07      | 1505.90      | 1483.08      | 1466.91      | 1455.80      |
| 12.5 | 1315.18      | 1345.14      | 1342.92      | 1335.52      | 1306.97      | 1285.35      | 1273.00      |
| 15.0 | 1140.92      | 1173.00      | 1175.19      | 1165.00      | 1133.51      | 1107.62      | 1096.13      |
| 17.5 | 980.28       | 1008.39      | 1018.14      | 1002.55      | 973.14       | 946.85       | 934.81       |
| 20.0 | 836.69       | 860.86       | 876.21       | 855.20       | 830.64       | 803.67       | 789.39       |
| 22.5 | 708.31       | 735.39       | 750.10       | 729.20       | 705.15       | 674.32       | 653.42       |
| 25.0 | 592.80       | 624.36       | 637.63       | 619.46       | 594.37       | 554.04       | 524.05       |
| 27.5 | 491.60       | 526.44       | 536.33       | 523.07       | 495.90       | 440.81       | 403.81       |
| 30.0 | 404.30       | 439.22       | 439.98       | 436.42       | 408.01       | 339.24       | 300.55       |
| 32.5 | 327.42       | 358.26       | 348.85       | 356.37       | 330.98       | 254.51       | 219.80       |
| 35.0 | 261.33       | 284.31       | 269.28       | 283.28       | 264.56       | 188.63       | 160.83       |
| 37.5 | 205.67       | 220.87       | 204.69       | 220.43       | 208.16       | 140.69       | 118.88       |
| 40.0 | 159.02       | 169.26       | 154.79       | 169.38       | 160.73       | 105.33       | 88.91        |
| 42.5 | 120.60       | 128.75       | 116.72       | 129.10       | 121.33       | 80.04        | 66.87        |
| 45.0 | 89.46        | 97.48        | 87.76        | 97.80        | 89.55        | 61.07        | 50.55        |
| 47.5 | 65.48        | 73.30        | 65.68        | 73.54        | 65.32        | 46.44        | 37.66        |
| 50.0 | 47.85        | 54.52        | 48.43        | 54.51        | 47.70        | 34.77        | 27.38        |
| 52.5 | 34.90        | 39.81        | 34.38        | 39.66        | 34.73        | 25.18        | 19.02        |
| 55.0 | 25.17        | 28.16        | 22.89        | 27.93        | 25.08        | 17.21        | 12.46        |
| 57.5 | 17.72        | 18.63        | 14.11        | 18.53        | 17.56        | 11.09        | 8.33         |
| 60.0 | 12.12        | 11.60        | 8.75         | 11.53        | 11.94        | 7.48         | 6.67         |
| 62.5 | 8.49         | 7.57         | 6.53         | 7.53         | 8.22         | 6.35         | 6.26         |
| 65.0 | 6.59         | 6.21         | 6.01         | 6.14         | 6.43         | 6.04         | 6.18         |
| 67.5 | 5.87         | 5.87         | 5.88         | 5.70         | 5.90         | 5.78         | 6.04         |
| 70.0 | 5.60         | 5.67         | 5.69         | 5.47         | 5.63         | 5.71         | 5.71         |
| 72.5 | 5.31         | 5.39         | 5.48         | 5.29         | 5.34         | 5.40         | 5.43         |
| 75.0 | 5.07         | 5.09         | 5.23         | 5.07         | 5.08         | 5.17         | 5.11         |
| 77.5 | 4.84         | 4.90         | 5.02         | 4.88         | 4.85         | 4.76         | 4.81         |
| 80.0 | 4.55         | 4.66         | 4.70         | 4.61         | 4.65         | 4.49         | 4.52         |

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|       |        |        |        |        |        |        |        |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 82.5  | 4.25   | 4.34   | 4.42   | 4.26   | 4.30   | 4.28   | 4.22   |
| 85.0  | 4.02   | 4.13   | 4.06   | 3.96   | 3.99   | 3.94   | 3.90   |
| 87.5  | 3.87   | 0.71   | 3.54   | 3.79   | 3.52   | 3.65   | 3.75   |
| 90.0  | 3.23   | 0.40   | 3.31   | 3.27   | 3.42   | 3.03   | 3.27   |
| 92.5  | 53.49  | 30.83  | 32.72  | 17.66  | 6.58   | 15.65  | 3.23   |
| 95.0  | 83.42  | 75.22  | 67.38  | 72.76  | 37.12  | 29.86  | 4.68   |
| 97.5  | 105.34 | 109.18 | 109.03 | 107.95 | 67.30  | 36.19  | 8.75   |
| 100.0 | 115.51 | 145.25 | 146.96 | 123.69 | 91.19  | 40.21  | 14.60  |
| 102.5 | 119.45 | 181.75 | 182.37 | 141.21 | 107.58 | 43.10  | 21.01  |
| 105.0 | 119.74 | 206.82 | 215.30 | 161.71 | 115.43 | 46.59  | 27.84  |
| 107.5 | 118.00 | 223.10 | 238.59 | 176.30 | 118.79 | 51.48  | 34.61  |
| 110.0 | 114.80 | 228.64 | 252.81 | 183.21 | 118.45 | 57.09  | 41.20  |
| 112.5 | 112.67 | 224.88 | 257.98 | 185.23 | 115.57 | 62.91  | 47.59  |
| 115.0 | 111.99 | 214.78 | 255.00 | 186.29 | 111.86 | 68.25  | 53.53  |
| 117.5 | 112.46 | 201.65 | 244.79 | 188.98 | 109.19 | 73.17  | 58.98  |
| 120.0 | 113.76 | 188.76 | 231.29 | 179.69 | 108.37 | 77.63  | 64.15  |
| 122.5 | 115.40 | 177.35 | 216.66 | 169.36 | 109.13 | 81.95  | 68.88  |
| 125.0 | 117.30 | 168.19 | 202.63 | 161.43 | 111.09 | 85.99  | 73.30  |
| 127.5 | 119.08 | 161.13 | 190.89 | 155.87 | 113.37 | 89.57  | 77.30  |
| 130.0 | 120.91 | 155.82 | 181.21 | 152.05 | 115.89 | 92.87  | 80.93  |
| 132.5 | 122.57 | 152.10 | 173.27 | 149.44 | 118.32 | 95.77  | 84.39  |
| 135.0 | 124.17 | 149.39 | 166.92 | 147.46 | 120.44 | 98.50  | 87.71  |
| 137.5 | 125.54 | 147.38 | 161.81 | 146.07 | 122.17 | 101.16 | 90.79  |
| 140.0 | 126.56 | 145.83 | 157.64 | 144.95 | 123.74 | 103.61 | 93.80  |
| 142.5 | 127.12 | 144.38 | 154.31 | 143.78 | 125.11 | 105.98 | 96.53  |
| 145.0 | 127.42 | 143.11 | 151.48 | 142.78 | 126.21 | 108.19 | 99.38  |
| 147.5 | 127.32 | 141.93 | 148.93 | 141.75 | 126.94 | 110.15 | 102.01 |
| 150.0 | 127.12 | 140.57 | 146.41 | 140.42 | 127.30 | 111.97 | 104.68 |
| 152.5 | 126.67 | 138.96 | 143.97 | 139.02 | 127.25 | 113.61 | 107.02 |
| 155.0 | 126.13 | 137.30 | 141.54 | 137.24 | 127.04 | 114.84 | 109.28 |
| 157.5 | 125.58 | 135.25 | 139.03 | 135.24 | 126.68 | 115.94 | 111.39 |
| 160.0 | 125.06 | 133.21 | 136.33 | 133.09 | 126.09 | 117.11 | 113.35 |
| 162.5 | 124.51 | 131.16 | 133.51 | 128.44 | 125.61 | 118.28 | 114.90 |
| 165.0 | 123.72 | 129.27 | 130.89 | 114.47 | 125.09 | 119.50 | 116.53 |
| 167.5 | 122.97 | 127.34 | 128.63 | 107.87 | 124.45 | 120.37 | 117.88 |
| 170.0 | 122.34 | 125.31 | 126.42 | 107.53 | 123.68 | 120.85 | 119.25 |
| 172.5 | 121.92 | 123.38 | 124.61 | 107.66 | 122.92 | 121.17 | 120.08 |
| 175.0 | 121.59 | 120.47 | 123.46 | 107.45 | 122.51 | 121.33 | 120.73 |
| 177.5 | 121.54 | 109.33 | 122.66 | 106.23 | 121.92 | 121.54 | 121.24 |
| 180.0 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 | 117.17 |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150.IES**

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens  | %Lamp | %Fixt  |
|---------|---------|-------|--------|
| 0-20    | 475.85  | N.A.  | 28.00  |
| 0-30    | 745.89  | N.A.  | 43.90  |
| 0-40    | 898.54  | N.A.  | 52.90  |
| 0-60    | 983.39  | N.A.  | 57.90  |
| 0-80    | 995.47  | N.A.  | 58.60  |
| 0-90    | 999.60  | N.A.  | 58.80  |
| 10-90   | 839.29  | N.A.  | 49.40  |
| 20-40   | 422.70  | N.A.  | 24.90  |
| 20-50   | 486.56  | N.A.  | 28.60  |
| 40-70   | 91.51   | N.A.  | 5.40   |
| 60-80   | 12.08   | N.A.  | 0.70   |
| 70-80   | 5.41    | N.A.  | 0.30   |
| 80-90   | 4.13    | N.A.  | 0.20   |
| 90-110  | 174.38  | N.A.  | 10.30  |
| 90-120  | 306.69  | N.A.  | 18.00  |
| 90-130  | 420.25  | N.A.  | 24.70  |
| 90-150  | 595.66  | N.A.  | 35.00  |
| 90-180  | 700.29  | N.A.  | 41.20  |
| 110-180 | 525.91  | N.A.  | 30.90  |
| 0-180   | 1699.89 | N.A.  | 100.00 |

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 160.31 |
| 10-20   | 315.54 |
| 20-30   | 270.05 |
| 30-40   | 152.65 |
| 40-50   | 63.86  |
| 50-60   | 20.98  |
| 60-70   | 6.67   |
| 70-80   | 5.41   |
| 80-90   | 4.13   |
| 90-100  | 52.36  |
| 100-110 | 122.02 |
| 110-120 | 132.31 |
| 120-130 | 113.56 |
| 130-140 | 96.36  |
| 140-150 | 79.05  |
| 150-160 | 58.31  |
| 160-170 | 34.87  |
| 170-180 | 11.45  |

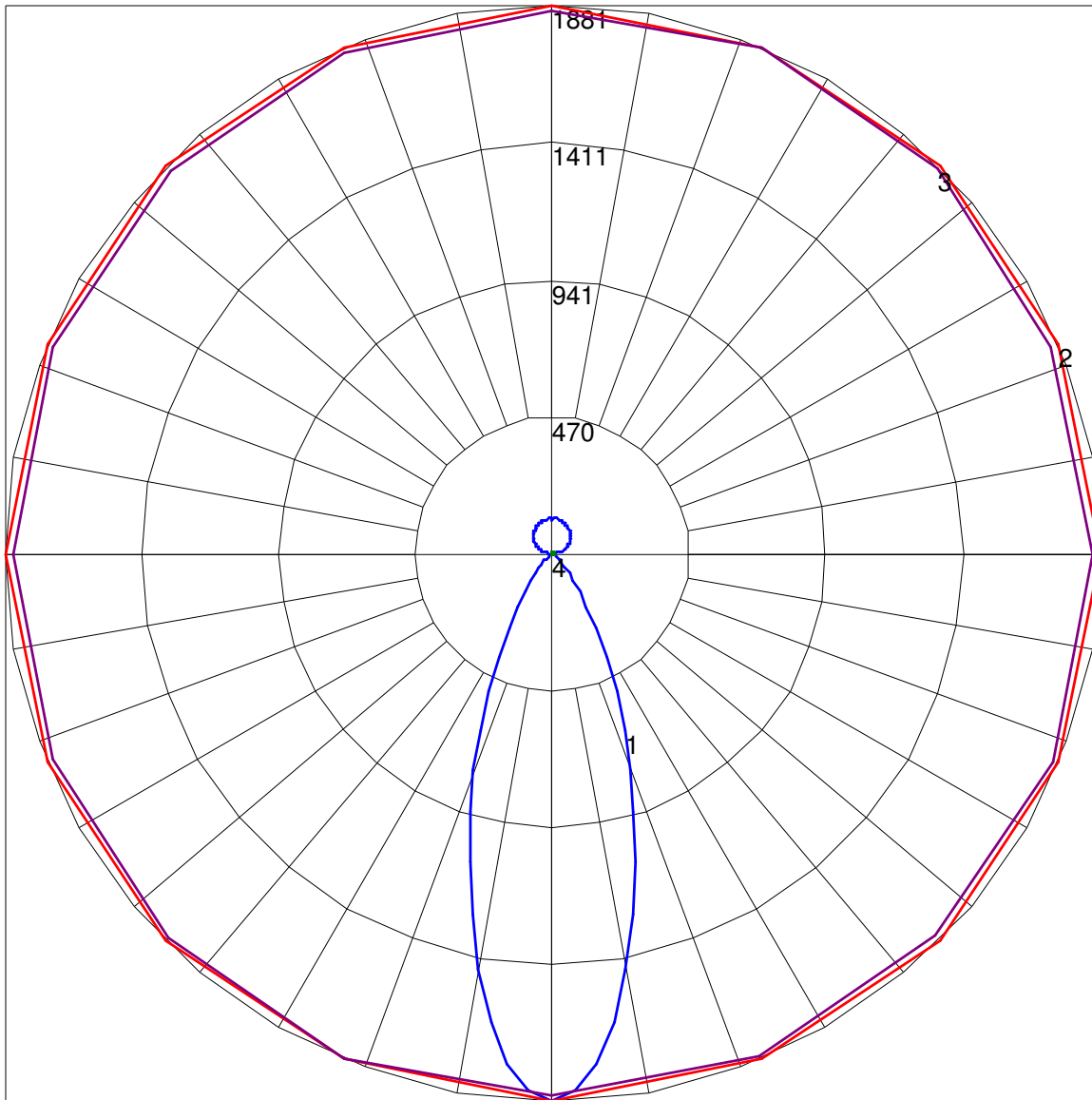
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SIE-PR-1-MCO-2-D5-I3-35-90-D35-IF150.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

| RC | 80  |     |     |     | 70  |     |     |     | 50 |    |    | 30 |    |    | 10 |    |    | 0  |
|----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| RW | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0  |
| 0  | 109 | 109 | 109 | 109 | 102 | 102 | 102 | 102 | 88 | 88 | 88 | 76 | 76 | 76 | 64 | 64 | 64 | 59 |
| 1  | 102 | 99  | 96  | 94  | 96  | 93  | 90  | 88  | 81 | 80 | 78 | 71 | 70 | 68 | 61 | 60 | 60 | 55 |
| 2  | 96  | 90  | 86  | 82  | 90  | 85  | 81  | 78  | 75 | 72 | 70 | 66 | 64 | 62 | 58 | 56 | 55 | 51 |
| 3  | 90  | 83  | 77  | 73  | 84  | 78  | 73  | 70  | 70 | 66 | 63 | 62 | 59 | 57 | 55 | 53 | 51 | 48 |
| 4  | 85  | 76  | 70  | 66  | 80  | 72  | 67  | 63  | 65 | 61 | 58 | 58 | 55 | 53 | 52 | 50 | 48 | 45 |
| 5  | 80  | 71  | 64  | 60  | 75  | 67  | 62  | 57  | 61 | 56 | 53 | 55 | 51 | 49 | 49 | 47 | 45 | 42 |
| 6  | 75  | 65  | 59  | 54  | 71  | 62  | 57  | 53  | 57 | 52 | 49 | 52 | 48 | 46 | 47 | 44 | 42 | 40 |
| 7  | 71  | 61  | 55  | 50  | 67  | 58  | 53  | 49  | 53 | 49 | 46 | 49 | 45 | 43 | 44 | 42 | 40 | 38 |
| 8  | 67  | 57  | 51  | 47  | 64  | 55  | 49  | 45  | 50 | 46 | 43 | 46 | 43 | 40 | 42 | 40 | 38 | 36 |
| 9  | 64  | 54  | 48  | 43  | 60  | 52  | 46  | 42  | 48 | 43 | 40 | 44 | 40 | 38 | 40 | 38 | 36 | 34 |
| 10 | 60  | 51  | 45  | 41  | 57  | 49  | 43  | 40  | 45 | 41 | 38 | 42 | 38 | 36 | 38 | 36 | 34 | 32 |

POLAR GRAPH



Maximum Candela = 1881.27 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)  
# 3 - Horizontal Cone Through Vertical Angle (2)  
# 4 - Horizontal Cone Through Vertical Angle (90)