

# TEST REPORT

**1. Applicant**

\* Client Name : KH-FEELUX Co. Ltd.  
\* Address : 235-48 Gwangjeok-ro Gwangjeok-myeon Yangju-si Gyeonggi-do 482-844 Korea  
\* Date of Receipt : 210805

**2. Purpose of Report :****3. Number of Report :****4. Test Standard / Item :** / 210805 DVP-24V-C90-R 2744K**5. Test Period :** 210805 ~ 210805**6. Test Environment**

\* Ambient Temp. : 27.7 +- 3 °C  
\* Relative Humidity : 64.3 +- 10 % RH

**7. Test Item**

\* Name of Product :  
\* Rating :  
\* Model :

**8. Test Result :** Refer to the attachment

|              |         |      |                   |      |
|--------------|---------|------|-------------------|------|
| Confirmation | Test by |      | Technical manager |      |
|              | JSY     | Sign | JSY               | Sign |

\*\*\*\*\*

- \* The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
- \* This report cannot be reproduced, except in full.
- \* This report is for reference only. It cannot replace the report by standard organization(s).

## Result

| Report Number | Sample Name | Sample Number | Test Standard |
|---------------|-------------|---------------|---------------|
|               |             |               |               |

| Test Item                         | Unit | Result          | Notice |
|-----------------------------------|------|-----------------|--------|
| Beam Distribution Test            |      | See Attachement |        |
| ATHD                              | %    | 0.0             |        |
| CIE 1931 Cx, Cy                   |      | 0.4593 , 0.4132 |        |
| Correlated Color Temperature      | K    | 2744            |        |
| Ra                                |      | 92.87           |        |
| Power Factor                      |      | 1.000           |        |
| Input Voltage                     | V    | 24.000          |        |
| Input Current                     | A    | 0.110           |        |
| Input Watt                        | W    | 2.64            |        |
| Lamp Flux                         | lm   | 210             |        |
| Efficient                         | lm/W | 79.55           |        |
| luminous Intensity (Max , Center) | cd   | 792 , 792       |        |
| Illuminance                       | lx   | 792             | 1 m    |
|                                   |      | 198             | 2 m    |
|                                   |      | 88              | 3 m    |

\* This test result is for the sample provided by the client.

\* Sample photo

Click to load image

Luminaire

Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

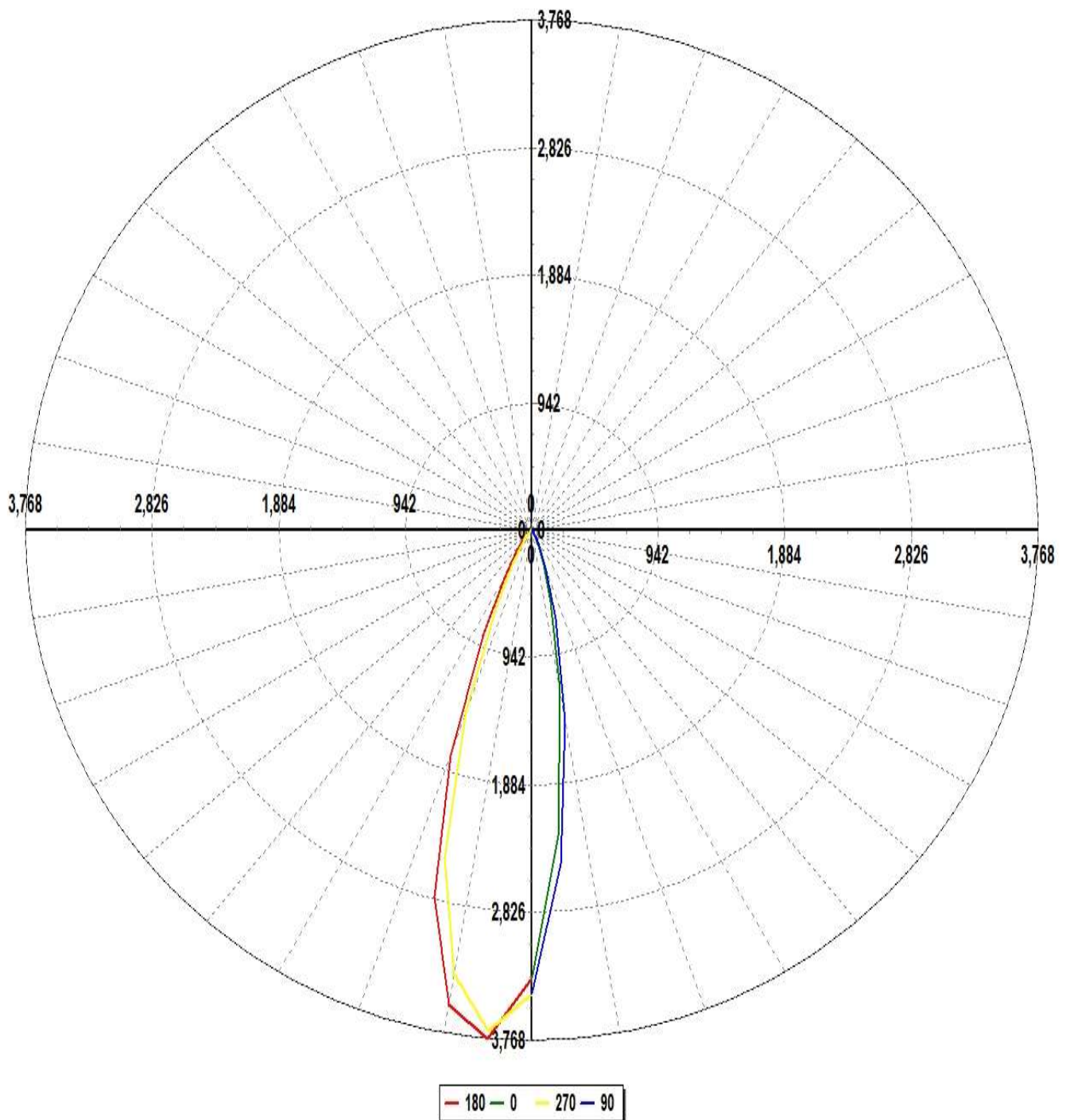
Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## Luminous Intensity Distribution



Luminaire

Lamp

No. of lamps 1

Voltage (V) 24

Report

Filename DVP-24V-C90-R 2744K.jdt

Lamp flux (lm) 210

Current (A) 0.11

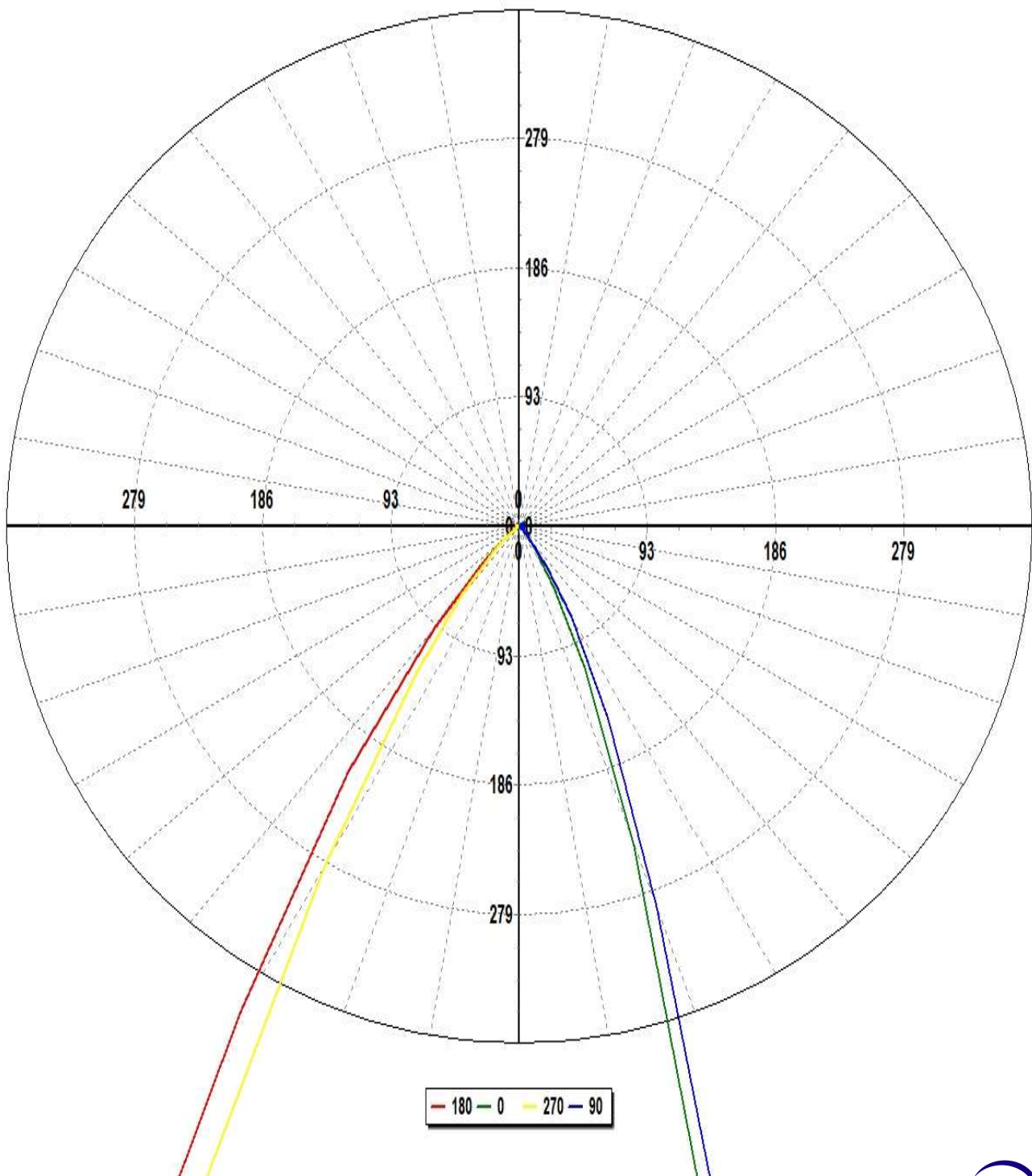
Operator

Total flux (lm) 210

Power Factor 1

Date 2021-08-05 오후 2:12:54

## Luminous Intensity Distribution (Lowest 10%)



Total Optical Solution Provider

## Luminaire

### Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

### Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 0      | 5      | 10     | 15     | 20     | 25     | 30     | 35     | 40     | 45     | 50     |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 696.24 | 690.82 | 695.81 | 687.56 | 698.11 | 690.86 | 695.84 | 692.37 | 694.72 | 690.74 | 691.66 |
| 5   | 476.06 | 467.95 | 477.51 | 476.26 | 482.19 | 474.33 | 483.31 | 476.46 | 486.41 | 478.72 | 491.61 |
| 10  | 251.91 | 247.34 | 253.14 | 246.88 | 253.65 | 248.77 | 254.47 | 252.18 | 259.23 | 261.48 | 269.17 |
| 15  | 113.02 | 109.75 | 111.53 | 108.77 | 113.17 | 111.07 | 116.09 | 115.69 | 121.67 | 122.95 | 128.94 |
| 20  | 50.92  | 49.18  | 49.15  | 48.83  | 49.82  | 49.91  | 51.32  | 51.44  | 54.58  | 55.72  | 57.95  |
| 25  | 23.34  | 23.01  | 24.04  | 24.47  | 24.79  | 25.56  | 26.98  | 27.26  | 29     | 28.58  | 30.98  |
| 30  | 10.66  | 10.55  | 10.97  | 10.78  | 11.66  | 11.76  | 13.39  | 14.57  | 14.87  | 15.3   | 15.22  |
| 35  | 4.08   | 3.4    | 3.78   | 4.11   | 5.02   | 4.07   | 4.79   | 5.07   | 5.37   | 5.54   | 5.8    |
| 40  | 1.63   | 1.58   | 1.14   | 1.21   | 1.58   | 1.71   | 1.74   | 1.72   | 2.82   | 3.56   | 3.36   |
| 45  | 0.11   | 1.33   | 0.94   | 0.67   | 1.18   | 1.23   | 1.24   | 1.22   | 1.37   | 1.39   | 1.37   |
| 50  | 0.91   | 0.66   | 0.83   | 1.13   | 0.47   | 0.67   | 0.62   | 1.18   | 0.61   | 0.86   | 0.98   |
| 55  | 0.19   | 0.2    | 0.45   | 0.64   | 0.46   | 0.97   | 0.51   | 0.83   | 1.3    | 0.67   | 0.63   |
| 60  | 0      | 0.59   | 0.47   | 0.59   | 0.46   | 0.38   | 0.97   | 0.57   | 0.12   | 0      | 0.33   |
| 65  | 0.38   | 0.31   | 0.64   | -0.19  | 0.67   | 0.01   | 0.12   | 0.79   | -0.29  | 0.16   | 0.05   |
| 70  | -0.51  | 0.19   | 0.66   | 0.06   | -0.64  | -0.01  | -0.23  | 0.32   | 0.75   | -0.39  | 0.09   |
| 75  | -0.43  | -0.38  | 0.29   | 0.06   | -0.46  | -0.46  | 0.38   | 0.12   | 0.15   | -0.07  | -0.08  |
| 80  | -0.24  | -0.2   | 0.11   | -0.13  | -0.2   | -0.24  | -1.03  | -0.23  | 0.14   | -0.04  | 0.09   |
| 85  | 0.06   | -0.05  | 0.55   | 0.22   | 0.21   | 0      | 0.38   | -0.46  | 0.36   | 0.04   | -0.18  |
| 90  | 0.26   | -0.59  | -0.65  | -0.21  | -0.34  | 0.05   | -0.29  | 0.43   | -0.26  | 0.17   | -0.14  |
| 95  | -0.48  | 0.39   | -0.22  | 0.2    | 0.07   | -0.18  | 0.41   | 0.26   | -0.08  | -0.29  | 1.26   |
| 100 | -0.23  | 0.04   | -0.13  | 0.53   | 0.54   | -0.1   | -0.31  | -0.37  | 0.41   | 0.23   | -0.13  |
| 105 | 0.22   | 0.27   | 0.44   | 0.34   | 0.24   | 0.03   | 0.04   | 0.57   | 0.49   | -0.07  | 0.16   |
| 110 | 0.32   | -0.09  | -0.32  | 0.74   | -0.82  | 0.69   | -0.21  | -0.33  | -0.02  | -0.13  | -0.1   |
| 115 | -0.23  | 1.03   | 0.21   | -0.15  | 0.47   | 0.7    | 0.19   | 0.31   | 0.56   | 0.33   | -0.34  |
| 120 | 0.28   | 0.06   | -0.09  | 0.28   | 0.59   | -0.33  | 0.43   | 0.32   | 0.44   | 0.21   | -0.17  |
| 125 | 1.1    | 0.73   | -0.19  | 0.68   | 0.5    | 0.87   | 0.86   | 0.64   | 0.3    | 0.52   | 0.47   |
| 130 | 0.86   | 1.38   | 0.3    | 1.19   | 0.64   | 0.97   | 0.47   | 0.63   | 0.83   | 0.87   | 1.16   |

## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 55     | 60     | 65     | 70     | 75     | 80     | 85     | 90     | 95     | 100    | 105    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 696.4  | 697.18 | 699.03 | 705.7  | 703.27 | 707.01 | 706.52 | 718.65 | 710.61 | 713.93 | 711.59 |
| 5   | 488.22 | 497.53 | 496.21 | 508.02 | 501.89 | 514.94 | 513.02 | 519.61 | 519.85 | 530.9  | 528.68 |
| 10  | 268.65 | 278.66 | 278.21 | 288.49 | 285.26 | 297.66 | 293.02 | 302.69 | 302.27 | 311.3  | 308.5  |
| 15  | 128.59 | 131.9  | 129.98 | 135.11 | 131.67 | 137.33 | 135.18 | 141.9  | 140.16 | 146.18 | 145.56 |
| 20  | 57.11  | 57.95  | 57.6   | 59.7   | 58.7   | 60.28  | 59.91  | 61.2   | 61.13  | 64.93  | 64.12  |
| 25  | 29.99  | 30.16  | 30.24  | 30.61  | 30.49  | 31.55  | 30.7   | 32.1   | 32.26  | 33.13  | 33.75  |
| 30  | 15.33  | 16.5   | 14.72  | 14.99  | 14.09  | 14.83  | 14.49  | 15.68  | 15.48  | 15.95  | 16.41  |
| 35  | 5.11   | 4.71   | 4.27   | 5.87   | 5.37   | 6.18   | 5.91   | 7.68   | 7.6    | 7.41   | 7.8    |
| 40  | 3.04   | 2.04   | 2.54   | 2.36   | 2.63   | 2.46   | 2.67   | 2.19   | 2.09   | 2.9    | 2.74   |
| 45  | 1      | 0.8    | 1.71   | 0.81   | 1      | 0.63   | 0.49   | 0.88   | 1.09   | 0.66   | 1.17   |
| 50  | 1.18   | 0.15   | 1.02   | 1.63   | 1.22   | 0.88   | 1.1    | 0.64   | 1      | 0.61   | 0.74   |
| 55  | 1.36   | 1.32   | 0.58   | 0.61   | 1.14   | 0.58   | 0.36   | 0.18   | 0.64   | -0.04  | 0.24   |
| 60  | 1.16   | 1.04   | -0.3   | 0.99   | 0.66   | 0.49   | 0.39   | 0.93   | 0.85   | 0.61   | 0.68   |
| 65  | 0.18   | -0.29  | 0.07   | -0.54  | -0.61  | -0.27  | 0.36   | -0.04  | 0.38   | 0.08   | 0.46   |
| 70  | -0.12  | -0.1   | 0.12   | 0.14   | 0.13   | -0.47  | -0.61  | -0.24  | 0.18   | 0.14   | 0.01   |
| 75  | 0.05   | -0.14  | 0.12   | -0.33  | -0.42  | 0.02   | 0.31   | 0.09   | -0.17  | -0.37  | 0.08   |
| 80  | 0.47   | 0.2    | -0.71  | -0.3   | 0.3    | 0.69   | 0.42   | 0.56   | -0.85  | 0.07   | -0.05  |
| 85  | -0.59  | 0.23   | 0.02   | -0.05  | 0.55   | -0.58  | 0.55   | 0.31   | 0.02   | 0.05   | 0.72   |
| 90  | 0.2    | 0.4    | 0.39   | -0.28  | 0.08   | 0.62   | 0.44   | -0.25  | 0.48   | -0.02  | -0.07  |
| 95  | -0.38  | 0.48   | 0.31   | 0.14   | -0.04  | -0.15  | -0.41  | -0.23  | 0.23   | 1.01   | 0.06   |
| 100 | 0.46   | 0.1    | 0.2    | -0.24  | 0.02   | -0.38  | 0.36   | 0.71   | -0.49  | 0.44   | 0.33   |
| 105 | -0.9   | -0.16  | 0.27   | 0.5    | 0      | 0.26   | -0.45  | 0.32   | 0.27   | -0.41  | -0.28  |
| 110 | -0.24  | -0.22  | 0.31   | 0.52   | -0.22  | 0.64   | 0      | -0.21  | 0.38   | 0.9    | -0.3   |
| 115 | 0.06   | 0.25   | 0.57   | 0.05   | -0.01  | -0.28  | -0.16  | 0.63   | -0.12  | -0.54  | 0.36   |
| 120 | 0.3    | 0.42   | 0.25   | 0.37   | 0.48   | 0.48   | 0.18   | 0.74   | 0.46   | 0.4    | -0.35  |
| 125 | 0.37   | 0.49   | 1.01   | 1.35   | 0.95   | 0.91   | 0.39   | 0.99   | 0.6    | 1.48   | 0.87   |
| 130 | 0.84   | 0.37   | 0.83   | 1.35   | 0.2    | 0.91   | 0.49   | 0.42   | 1.09   | 0.78   | 1.31   |

## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 110    | 115    | 120    | 125    | 130    | 135    | 140    | 145    | 150    | 155    | 160    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 721.28 | 723.04 | 724.25 | 720.32 | 723.94 | 714.96 | 719.71 | 716.52 | 723.13 | 722    | 730.86 |
| 5   | 538.43 | 535.85 | 546.99 | 535.38 | 550.79 | 531.6  | 543.25 | 539.29 | 553    | 553.55 | 561.77 |
| 10  | 318.58 | 315.61 | 326.75 | 320.8  | 332.17 | 314.11 | 325.16 | 324.01 | 332.36 | 333.36 | 343.78 |
| 15  | 151.42 | 151.26 | 158.09 | 154.03 | 160.9  | 149.33 | 155.78 | 153.68 | 159.66 | 156.91 | 161.85 |
| 20  | 69.07  | 68.48  | 72.85  | 72.82  | 75     | 69.77  | 72.94  | 70.67  | 73.72  | 73.34  | 76.28  |
| 25  | 35     | 35.94  | 37.65  | 36.99  | 38.71  | 35.27  | 38.04  | 36.85  | 38.79  | 38.82  | 40.93  |
| 30  | 17.18  | 16.8   | 18.19  | 18.21  | 19.05  | 17.27  | 19.13  | 17.8   | 18.95  | 18.71  | 18.86  |
| 35  | 7.86   | 7.56   | 8.21   | 7.98   | 8.36   | 8.44   | 7.52   | 8.27   | 8.19   | 7.49   | 7.39   |
| 40  | 2.68   | 2.86   | 2.8    | 2.7    | 2.67   | 2.62   | 2.84   | 2.41   | 2.36   | 2.42   | 2.67   |
| 45  | 1.18   | 1.61   | 1.5    | 1.08   | 1.01   | 1.83   | 0.84   | 1.36   | 1.49   | 1.24   | 0.86   |
| 50  | 0.76   | 0.17   | 0.77   | 0.99   | 0.73   | 0.99   | 0.97   | 0.32   | 0.48   | 0.83   | 1.09   |
| 55  | 0.8    | 0.7    | 0.13   | 0.79   | 0.78   | 1.43   | -0.24  | 0.29   | 0.22   | 0.31   | 0.31   |
| 60  | 0.69   | 0.24   | 0.7    | 1.57   | -0.02  | 0.26   | 0.5    | 0.46   | 0.94   | 0.66   | 0.5    |
| 65  | -0.48  | -0.02  | 0.28   | 0.23   | 0.41   | -0.49  | -0.16  | 0      | 0.82   | 0.03   | -0.17  |
| 70  | 0.14   | 0.01   | 0.19   | -0.64  | -0.21  | -0.99  | 0.52   | 0.22   | -0.15  | 0.44   | 0.24   |
| 75  | 0.42   | 0.2    | -0.27  | -0.07  | -0.56  | -0.42  | -0.21  | 0.13   | -0.2   | 0.03   | 0.1    |
| 80  | -0.17  | 0.25   | 0.06   | 0.24   | -0.63  | 0.65   | 0.22   | -0.59  | 0.24   | 0.22   | -0.47  |
| 85  | 0.19   | 0.08   | 0.53   | -0.39  | 0.22   | 0.32   | -0.16  | 0.22   | 0.03   | 0.11   | 0.44   |
| 90  | 0.15   | 0.02   | 0.41   | -0.23  | -0.08  | -0.2   | 0.77   | -0.52  | -0.19  | 0.75   | -0.26  |
| 95  | -0.08  | 0.22   | 0.67   | -0.18  | 0.16   | 0.54   | -0.28  | -0.4   | -0.09  | 0.11   | 0.08   |
| 100 | 0.37   | 0.59   | 0.03   | -0.03  | -0.3   | 0.05   | -0.23  | -0.23  | -0.53  | 0.02   | -0.12  |
| 105 | -0.52  | 0.17   | 0.05   | 0.32   | 0.53   | 0.46   | 0.23   | -0.14  | -0.06  | -0.22  | 0.19   |
| 110 | 0.03   | 0.01   | 0.22   | -0.74  | 0.58   | 0.1    | 0.15   | 0.11   | 0.54   | -0.1   | -0.3   |
| 115 | -0.11  | 0.28   | 0.04   | 0.21   | 0.1    | 0.04   | 0.1    | -0.09  | 0      | 0.01   | 0.35   |
| 120 | 0.1    | 0.36   | 0.93   | 0.39   | 0.54   | 0.16   | 0.94   | 0.89   | 0.06   | 0.21   | 0.56   |
| 125 | 0.3    | 0.49   | 0.5    | 0.51   | 1.02   | 0.6    | 0.1    | 0.79   | -0.05  | 1.13   | 0.47   |
| 130 | 0.69   | 0.9    | 0.51   | 0.52   | 0.95   | 0.08   | 0.6    | 0.44   | 0.48   | 0.32   | 0.65   |

## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 165    | 170    | 175    | 180    | 185    | 190    | 195    | 200    | 205    | 210    | 215    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 728.03 | 731.8  | 728.19 | 696.24 | 690.82 | 695.81 | 687.56 | 698.11 | 690.86 | 695.84 | 692.37 |
| 5   | 559.39 | 574.34 | 568.7  | 791.72 | 785.18 | 784.78 | 788.56 | 785.27 | 782.03 | 779.12 | 782.17 |
| 10  | 340.95 | 355.71 | 353.58 | 748.09 | 752.08 | 740    | 739.26 | 735.39 | 735.32 | 730.04 | 729.11 |
| 15  | 161.91 | 169.52 | 167.61 | 588.45 | 588.64 | 587.3  | 582.62 | 576.35 | 578.95 | 569.32 | 571.94 |
| 20  | 77.11  | 78.42  | 80.06  | 371.49 | 375.88 | 371.27 | 371.09 | 360.5  | 366.08 | 356.31 | 358.74 |
| 25  | 40.58  | 43.17  | 43.36  | 179.13 | 185.42 | 179.54 | 186.6  | 179.69 | 183.05 | 177.59 | 180.93 |
| 30  | 19.12  | 19.55  | 18.9   | 85.04  | 87.22  | 86.12  | 86.76  | 86.52  | 87.74  | 85.82  | 86.47  |
| 35  | 7.61   | 6.95   | 7.1    | 45.32  | 47.81  | 46.05  | 46.63  | 45.88  | 46.3   | 44.63  | 45.39  |
| 40  | 2.39   | 2.81   | 2.73   | 20.12  | 19.93  | 19.83  | 19.68  | 18.94  | 18.5   | 18.16  | 18.01  |
| 45  | 1.18   | 0.91   | 2.09   | 7.94   | 6.55   | 7.34   | 7.32   | 7.16   | 6.68   | 6.94   | 7.19   |
| 50  | 1.22   | 0.48   | 0.62   | 3.22   | 3.03   | 2.56   | 3.7    | 2.96   | 3.15   | 2.15   | 2.92   |
| 55  | 0.12   | 0.39   | 0.39   | 1.26   | 1.73   | 1.49   | 1.06   | 1.5    | 1.2    | 1.62   | 1.42   |
| 60  | 1.2    | 0.9    | 0.57   | 0.88   | 1.09   | 0.81   | 0.28   | 0.57   | 1.02   | 0.46   | 0.87   |
| 65  | -0.12  | -0.08  | 0.48   | 0.94   | 0.81   | 0.59   | 0.51   | 0.16   | 0.63   | 1.03   | 0.92   |
| 70  | -0.11  | -0.33  | -0.14  | 0.11   | 0.35   | 0.79   | 0.63   | -0.61  | 0.43   | 0.26   | 0.73   |
| 75  | 0.13   | -0.08  | 0.64   | 0.58   | 0.46   | 0.56   | 0.28   | -0.06  | 0.52   | 0.78   | 0.55   |
| 80  | 0.28   | -0.44  | 0.57   | -0.26  | -0.5   | 0.66   | 0.62   | -0.16  | -0.22  | 0.32   | 0.23   |
| 85  | 0.02   | -0.59  | 0.39   | 0.14   | 0.23   | 0.05   | -0.22  | -0.53  | 0.46   | 0.38   | -0.2   |
| 90  | -0.17  | -0.33  | -0.16  | -0.3   | -0.67  | -0.77  | -0.14  | -0.32  | -0.02  | -0.22  | -0.2   |
| 95  | -0.13  | 0.12   | -0.51  | 0.54   | -0.55  | -0.13  | -0.08  | -0.26  | -0.07  | 0.39   | -0.21  |
| 100 | 0.3    | -0.03  | -1.25  | 0.62   | -0.11  | 0.29   | -0.49  | 0.03   | 0.25   | -0.65  | -0.01  |
| 105 | 0.24   | -0.82  | 0.1    | 0.35   | 0.35   | 0.16   | 0.27   | -0.06  | -0.38  | 0.59   | -0.41  |
| 110 | -0.16  | 0.26   | 0.38   | -0.31  | -0.66  | 0.03   | -0.11  | 0.33   | 0.17   | 0.58   | 0.06   |
| 115 | -0.24  | 0.22   | 0.21   | 0.34   | 0.31   | -0.36  | 0.01   | 0.12   | 0.11   | -0.44  | 0.21   |
| 120 | 0.45   | 0.16   | 0.28   | -0.13  | 0.18   | 0.15   | 0.44   | -0.76  | -0.02  | -0.42  | 0.36   |
| 125 | 0.6    | 0.71   | 0.48   | 0.47   | -0.09  | 0.49   | -0.03  | 0.19   | 0.01   | 1.03   | 0.11   |
| 130 | 1.01   | 0.81   | 0.95   | 0.23   | 0.57   | 0.54   | -0.02  | -0.26  | 0.37   | 0.05   | 0.62   |

# Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 220    | 225    | 230    | 235    | 240    | 245    | 250    | 255    | 260    | 265    | 270    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 694.72 | 690.74 | 691.66 | 696.4  | 697.18 | 699.03 | 705.7  | 703.27 | 707.01 | 706.52 | 718.65 |
| 5   | 780.81 | 778.57 | 775.45 | 779.28 | 779.04 | 775.7  | 776.29 | 779.32 | 773.59 | 774.31 | 779.11 |
| 10  | 723.33 | 727.78 | 712.62 | 721.33 | 716.6  | 714.26 | 710.31 | 709.44 | 704    | 699.44 | 698.22 |
| 15  | 563.3  | 567.2  | 560.85 | 558.83 | 547.96 | 548.17 | 538.26 | 542.64 | 530.94 | 533.72 | 525.88 |
| 20  | 351.92 | 353.95 | 344.84 | 344.44 | 333.59 | 333    | 321.28 | 318.67 | 308.66 | 309.11 | 298.97 |
| 25  | 175.77 | 178.33 | 171.93 | 170.27 | 160.94 | 158.74 | 149.79 | 148.63 | 138.98 | 137.76 | 130.53 |
| 30  | 83.49  | 86.31  | 81.47  | 81.2   | 75.42  | 73.42  | 68.61  | 67.5   | 62.81  | 62.34  | 59.23  |
| 35  | 44.01  | 43.23  | 40.87  | 39.83  | 36.86  | 36.4   | 32.63  | 32.64  | 29.94  | 29.99  | 27.85  |
| 40  | 17.92  | 18.77  | 16.6   | 16.58  | 15.16  | 15.36  | 14.48  | 14.85  | 13.98  | 14.23  | 13.68  |
| 45  | 7.18   | 6.97   | 6.98   | 6.9    | 7.41   | 6.67   | 7.04   | 6.27   | 5.63   | 5.62   | 6.01   |
| 50  | 1.95   | 3.02   | 2.61   | 2.63   | 2.97   | 2.47   | 2.2    | 1.53   | 2.3    | 2.42   | 2.85   |
| 55  | 0.94   | 1.82   | 1.15   | 1.13   | 1.31   | 1.59   | 0.22   | 1.15   | 0.58   | 1.34   | 0.46   |
| 60  | 0.85   | 0.09   | 1.48   | 0.72   | 0.28   | 0.48   | 0.23   | -0.13  | 1.28   | 1.08   | 1.08   |
| 65  | 0.39   | -0.22  | 0.48   | 0.43   | 0.12   | 0.8    | 0.56   | 0.24   | 0.85   | 0.24   | -0.14  |
| 70  | 0.42   | -0.04  | 0.22   | 0.36   | -0.29  | 0.61   | 0.15   | 0.18   | 0.48   | -0.43  | -0.12  |
| 75  | 0.12   | 0.98   | 0.28   | 0.33   | -0.52  | -0.57  | 0.14   | 0.3    | 0.51   | -0.31  | 0.42   |
| 80  | 0.41   | 0.43   | 0.09   | -0.72  | -0.58  | 0.12   | -0.35  | -0.44  | 0.55   | -0.21  | -0.29  |
| 85  | 0.22   | 0.36   | 0.29   | -0.51  | 0.42   | -0.13  | -0.04  | -0.49  | -0.43  | 0.15   | 0.22   |
| 90  | -0.11  | -0.43  | -0.18  | -0.06  | -0.18  | -0.71  | 0.14   | -0.26  | 0.28   | 0.99   | -0.92  |
| 95  | -0.33  | -0.06  | 0.52   | 0.07   | -0.32  | -0.03  | -0.77  | 0.57   | 0.14   | -0.72  | 0.48   |
| 100 | 0.07   | 0.32   | 0.33   | 0.32   | -0.61  | 0.42   | -0.04  | -0.32  | 0.45   | -0.02  | 0.22   |
| 105 | -0.16  | -0.41  | -0.03  | -0.52  | -0.99  | 0.35   | -0.25  | -0.55  | 0.01   | 0.63   | 0.26   |
| 110 | 0.1    | 0.12   | 0.43   | -0.12  | -0.1   | -0.01  | 0.68   | 0.02   | -0.5   | 0.22   | -0.33  |
| 115 | 0.81   | -0.09  | 0.48   | -0.21  | -0.07  | 0      | 0.59   | 0.24   | 0.05   | 0.09   | -0.63  |
| 120 | 0.25   | 0.14   | 0.15   | 0.09   | 0.36   | 0.05   | -0.09  | 0.67   | 0.51   | -0.83  | 0.13   |
| 125 | 0.24   | -0.4   | 0.08   | 0.33   | 0.63   | 0.52   | 0.45   | 0.69   | 0.08   | 0.16   | 0.23   |
| 130 | 0.23   | 0      | 0.85   | 0.25   | 0.46   | 0.03   | 0.95   | -0.07  | 0.13   | 0.67   | 0.05   |

## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 275    | 280    | 285    | 290    | 295    | 300    | 305    | 310    | 315    | 320    | 325    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0   | 710.61 | 713.93 | 711.59 | 721.28 | 723.04 | 724.25 | 720.32 | 723.94 | 714.96 | 719.71 | 716.52 |
| 5   | 775.96 | 773.49 | 771.28 | 774.08 | 773.95 | 774.44 | 777.09 | 779.17 | 774    | 775.17 | 780.15 |
| 10  | 702.71 | 693.61 | 696.85 | 690.96 | 691.24 | 685.66 | 681.36 | 678.58 | 692.98 | 686.38 | 689.44 |
| 15  | 522.12 | 510.71 | 511.37 | 504.86 | 506.21 | 497.25 | 505.06 | 495.3  | 508.26 | 494.35 | 494.51 |
| 20  | 296.52 | 287.18 | 287.98 | 280.25 | 281.65 | 276    | 281.07 | 274.57 | 288.71 | 278.06 | 277.92 |
| 25  | 130.54 | 124.09 | 127.12 | 122.69 | 124.53 | 121.49 | 127.01 | 122.62 | 132.82 | 128.1  | 128.5  |
| 30  | 58.08  | 55     | 54.93  | 52.83  | 52.93  | 52.51  | 54.26  | 52.84  | 58.18  | 55.05  | 56.2   |
| 35  | 28.23  | 26.02  | 25.62  | 25.44  | 25.32  | 25.37  | 25.93  | 25.42  | 28.07  | 25.91  | 26.24  |
| 40  | 13.31  | 12.65  | 13.78  | 12.31  | 13.34  | 12.81  | 12.88  | 13.09  | 13.84  | 14.2   | 13.96  |
| 45  | 5.82   | 5.46   | 5.11   | 5.12   | 4.73   | 4.55   | 4.37   | 4.47   | 5.08   | 4.92   | 6.19   |
| 50  | 2.07   | 1.89   | 1.88   | 2.16   | 2.47   | 2.06   | 2.2    | 1.57   | 2.25   | 2.5    | 2.87   |
| 55  | 0.93   | 0.47   | 0.99   | 0.51   | 0.88   | 1.21   | 0.85   | 0.54   | 1.09   | 1.15   | 0.82   |
| 60  | 1.04   | 0.78   | 1.1    | 0.39   | 0.87   | 0.09   | 0.77   | 0.3    | 0.91   | 0.45   | 0.97   |
| 65  | 0.32   | -0.28  | 1.2    | 1.33   | 0.51   | 0.6    | 0.55   | 0.31   | 0.42   | 0.48   | 0.82   |
| 70  | 0.73   | 0.19   | 0.34   | 0.43   | 0.8    | 0.52   | 0.26   | 0.59   | 0.04   | 0.44   | -0.07  |
| 75  | -0.24  | 0.26   | -0.07  | 0.61   | -0.37  | -0.26  | 0.53   | -0.46  | 0.3    | -0.58  | 0.28   |
| 80  | -0.28  | -0.12  | 0.28   | 0.19   | 0.13   | 0.08   | -0.15  | -0.16  | -0.36  | -0.11  | 0.35   |
| 85  | -0.96  | -0.3   | -0.13  | 0.24   | -0.53  | -0.04  | 0.65   | 0.36   | -0.3   | 0.04   | -0.13  |
| 90  | 0.07   | 0.35   | 0.29   | -0.13  | -0.51  | 0.41   | 0.3    | -0.52  | -0.66  | -0.35  | 0.41   |
| 95  | 0.6    | -0.19  | -0.17  | -0.16  | -0.31  | 0.4    | -0.18  | 0.07   | 0.03   | -0.25  | 0.38   |
| 100 | -0.11  | 0.23   | -0.19  | 0.06   | -0.5   | -0.69  | -0.3   | 0.09   | 0.67   | -0.1   | 0.23   |
| 105 | -0.48  | 0.2    | 0.34   | -0.19  | -0.21  | -0.19  | -0.11  | 0.25   | 0.29   | 0.68   | -0.28  |
| 110 | 0.25   | -0.05  | -0.3   | 0.01   | 0.16   | -0.84  | 0.28   | 0.37   | 0.05   | -0.24  | 0.4    |
| 115 | 0.02   | 0.04   | 0.2    | 0.65   | 0.71   | -0.2   | 0.3    | 0.27   | -0.45  | -0.38  | 0.95   |
| 120 | -0.25  | -0.22  | -0.32  | -0.22  | 0.23   | 0.46   | -0.24  | 0.63   | -0.09  | 0.49   | -0.42  |
| 125 | 0.24   | 0.7    | 0.11   | -0.15  | 0.48   | 0.28   | -0.35  | 0.25   | -0.39  | 0.3    | -0.12  |
| 130 | 0.11   | 0.27   | -0.08  | 0.47   | 0.63   | 0.51   | 0.29   | 0.88   | 0.24   | 0.07   | 0.09   |

# Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Intensity Data (Continued)

Maximum (cd) : 792

Minimum (cd) : -1

| G/C | 330    | 335    | 340    | 345    | 350    | 355    | 360    |
|-----|--------|--------|--------|--------|--------|--------|--------|
| 0   | 723.13 | 722    | 730.86 | 728.03 | 731.8  | 728.19 | 696.24 |
| 5   | 776.75 | 773.18 | 772.77 | 779.4  | 774.09 | 777.9  | 476.06 |
| 10  | 681.95 | 689.01 | 676.42 | 679.17 | 668.9  | 676.56 | 251.91 |
| 15  | 481.24 | 480.99 | 468.48 | 473.55 | 462.44 | 465.25 | 113.02 |
| 20  | 268.06 | 265.81 | 254.9  | 256.16 | 247.25 | 247.83 | 50.92  |
| 25  | 123.01 | 122.79 | 117.2  | 116.9  | 110.5  | 111.33 | 23.34  |
| 30  | 53.96  | 53.5   | 51.11  | 51.11  | 48.97  | 48.69  | 10.66  |
| 35  | 25.74  | 25.5   | 23.55  | 23.83  | 22.43  | 22.97  | 4.08   |
| 40  | 13.48  | 13.4   | 11.84  | 11.6   | 11.09  | 10.38  | 1.63   |
| 45  | 4.54   | 4.6    | 4.27   | 4.46   | 4.6    | 4.06   | 0.11   |
| 50  | 2.29   | 2.42   | 1.52   | 1.36   | 2.02   | 1.69   | 0.91   |
| 55  | 1.31   | 1.23   | 0.02   | 1      | 1.28   | 0.82   | 0.19   |
| 60  | -0.12  | 0.95   | 0.64   | 0.69   | 0.7    | 0.34   | 0      |
| 65  | 1.12   | 0.45   | 1.02   | 0.91   | 0.35   | 0.56   | 0.38   |
| 70  | -0.27  | 0.32   | 0.3    | -0.08  | 0.08   | -0.73  | -0.51  |
| 75  | -0.28  | 0.43   | 0.37   | -0.28  | 0.83   | 0.35   | -0.43  |
| 80  | -0.01  | 0.19   | 0.35   | -0.19  | 0.35   | 0.21   | -0.24  |
| 85  | -0.34  | -0.1   | 0.17   | -0.32  | 0.5    | -0.12  | 0.06   |
| 90  | 0.19   | -0.34  | -0.02  | 0.06   | -0.32  | -0.03  | 0.26   |
| 95  | -0.32  | 0.05   | 0.05   | 0.23   | 0.21   | -0.64  | -0.48  |
| 100 | 0.83   | -0.24  | -0.14  | -0.12  | -0.4   | 0.16   | -0.23  |
| 105 | -0.36  | -0.38  | 0.19   | 0.14   | 0.16   | 0.52   | 0.22   |
| 110 | 0.04   | -0.21  | 0.07   | 0.4    | 0.44   | -0.38  | 0.32   |
| 115 | -0.02  | 0.28   | -0.31  | 0.21   | 0.18   | 0.05   | -0.23  |
| 120 | 0.17   | 0.84   | 0.33   | -0.15  | -0.6   | -0.06  | 0.28   |
| 125 | 0.26   | 0.5    | 0.02   | -0.02  | 0      | 0.44   | 1.1    |
| 130 | 0.53   | 0.62   | 0.22   | -0.14  | 0.3    | 0.18   | 0.86   |

## Luminaire

### Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

### Report

|          |                         |
|----------|-------------------------|
| Filename | DVP-24V-C90-R 2744K.jdt |
| Operator |                         |
| Date     | 2021-08-05 오후 2:12:54   |

## Luminous Flux Table

|                              |        |
|------------------------------|--------|
| Total Lamp Lumens:           | 210    |
| Luminaire Efficiency (lm/W): | 209.98 |
| CIE Classification:          | Direct |

| Elevation | Lumens | Cumulative | Lamp % | Luminaire % |
|-----------|--------|------------|--------|-------------|
| 0         | 4.24   | 4.24       | 2.02   | 2.02        |
| 5         | 30.92  | 35.16      | 16.74  | 16.74       |
| 10        | 47.67  | 82.82      | 39.44  | 39.44       |
| 15        | 47.35  | 130.18     | 61.99  | 61.99       |
| 20        | 35.05  | 165.23     | 78.68  | 78.69       |
| 25        | 20.71  | 185.94     | 88.54  | 88.55       |
| 30        | 11.30  | 197.25     | 93.93  | 93.93       |
| 35        | 6.21   | 203.45     | 96.88  | 96.89       |
| 40        | 3.08   | 206.53     | 98.35  | 98.36       |
| 45        | 1.36   | 207.89     | 99.00  | 99.01       |
| 50        | 0.67   | 208.57     | 99.32  | 99.33       |
| 55        | 0.36   | 208.93     | 99.49  | 99.50       |
| 60        | 0.30   | 209.23     | 99.63  | 99.64       |
| 65        | 0.16   | 209.39     | 99.71  | 99.72       |
| 70        | 0.05   | 209.44     | 99.73  | 99.74       |
| 75        | 0.04   | 209.47     | 99.75  | 99.76       |
| 80        | 0.00   | 209.47     | 99.75  | 99.76       |
| 85        | 0.02   | 209.49     | 99.76  | 99.77       |
| 90        | -0.03  | 209.46     | 99.74  | 99.75       |
| 95        | 0.01   | 209.47     | 99.75  | 99.76       |
| 100       | 0.01   | 209.48     | 99.75  | 99.76       |
| 105       | 0.02   | 209.50     | 99.76  | 99.77       |
| 110       | 0.02   | 209.52     | 99.77  | 99.78       |
| 115       | 0.06   | 209.58     | 99.80  | 99.81       |
| 120       | 0.09   | 209.67     | 99.84  | 99.85       |
| 125       | 0.20   | 209.87     | 99.94  | 99.95       |
| 130       | 0.11   | 209.98     | 99.99  | 100.00      |

Luminaire

Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

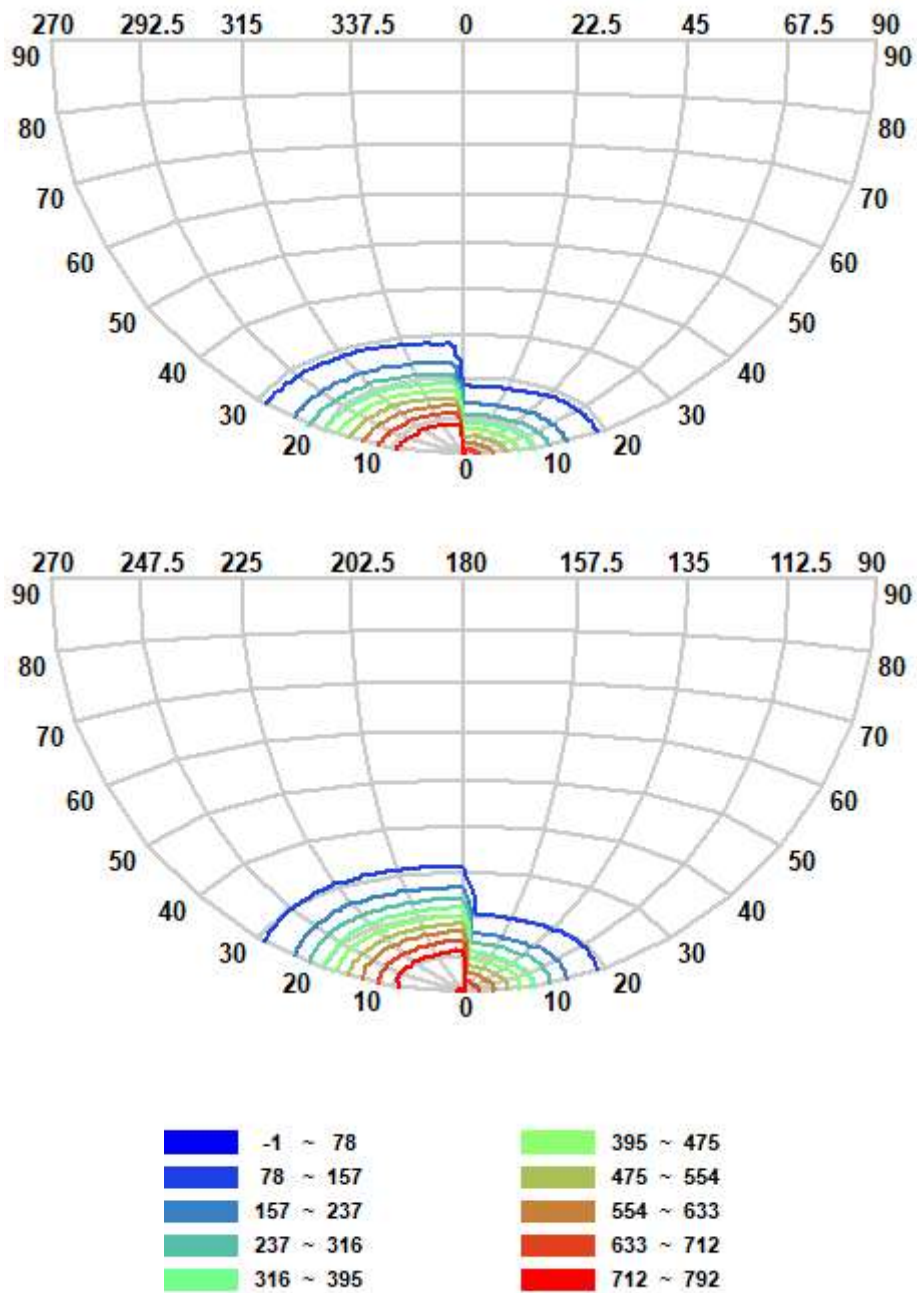
Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## IsoCandela (Type C)



Luminaire

Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

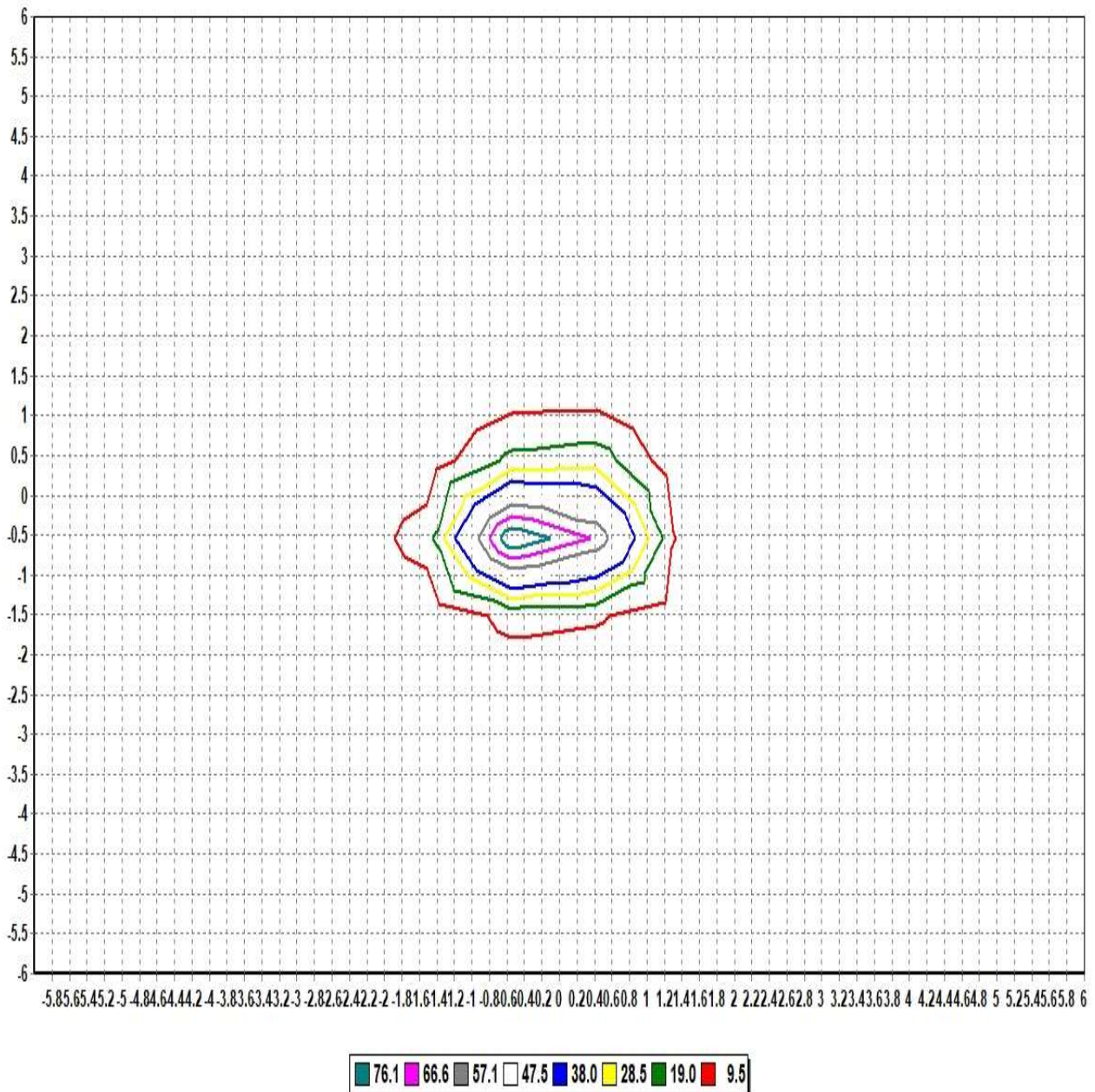
Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## IsoLux Diagram (Ground)



Pole Height (m): 2.7

Area Width (m): 12

Total Optical Solution Provider

Luminaire

Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

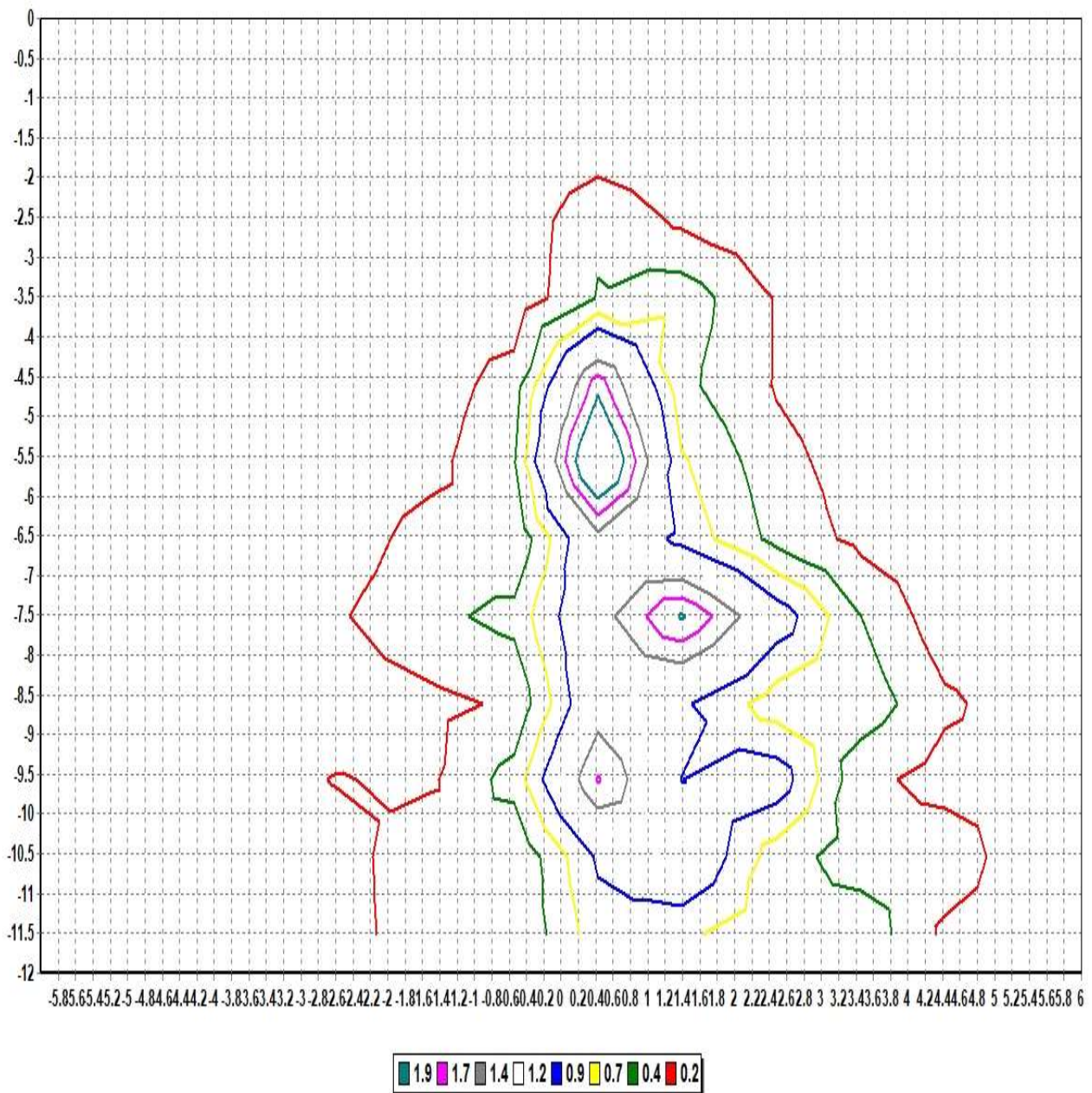
Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## IsoLux Diagram (Wall)



Pole Height (m): 2.7      Wall Distance (m): 2.7  
 Aiming Plane: 0      Wall Height (m): 12  
 Total Optical Solution Provider



## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## Illuminance Levels (Ground)

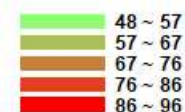
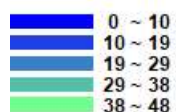
|       |       |       |       |       |       |       |       |       |      |      |      |      |      |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|
| 6.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5.00  | 0.00  | -0.01 | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.01  | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 |
| 4.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.01  | 0.01  | 0.03  | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| 3.00  | 0.00  | 0.01  | 0.00  | 0.02  | 0.02  | 0.03  | 0.03  | 0.05  | 0.03 | 0.01 | 0.01 | 0.00 | 0.00 |
| 2.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.11  | 0.19  | 0.94  | 0.16  | 0.13 | 0.03 | 0.01 | 0.00 | 0.00 |
| 1.00  | 0.01  | 0.01  | 0.02  | 0.04  | 0.17  | 2.46  | 15.46 | 2.06  | 0.12 | 0.03 | 0.02 | 0.01 | 0.00 |
| 0.00  | 0.01  | 0.02  | 0.07  | 0.21  | 5.19  | 64.98 | 95.51 | 12.33 | 0.62 | 0.02 | 0.02 | 0.00 | 0.00 |
| -1.00 | 0.01  | 0.02  | 0.06  | 0.13  | 1.30  | 12.36 | 57.83 | 8.90  | 0.90 | 0.09 | 0.02 | 0.01 | 0.01 |
| -2.00 | 0.00  | 0.00  | 0.02  | 0.06  | 0.71  | 1.06  | 3.53  | 0.85  | 0.52 | 0.05 | 0.01 | 0.01 | 0.01 |
| -3.00 | 0.00  | 0.01  | 0.02  | 0.02  | 0.05  | 0.11  | 0.17  | 0.09  | 0.04 | 0.02 | 0.01 | 0.00 | 0.00 |
| -4.00 | 0.00  | 0.01  | 0.00  | 0.02  | 0.01  | 0.03  | 0.06  | 0.03  | 0.01 | 0.01 | 0.01 | 0.01 | 0.00 |
| -5.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.01  | 0.01  | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| -6.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  | 0.01  | 0.01  | 0.01 | 0.01 | 0.00 | 0.00 | 0.00 |
| -6.00 | -5.00 | -4.00 | -3.00 | -2.00 | -1.00 | 0.00  | 1.00  | 2.00  | 3.00 | 4.00 | 5.00 | 6.00 |      |

Illum. (Max.) : 95.5

Illum. (Min.) : -0.01

Illum. (Avg.) : 1.72

All illuminance level values are in lux.



Luminaire

Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

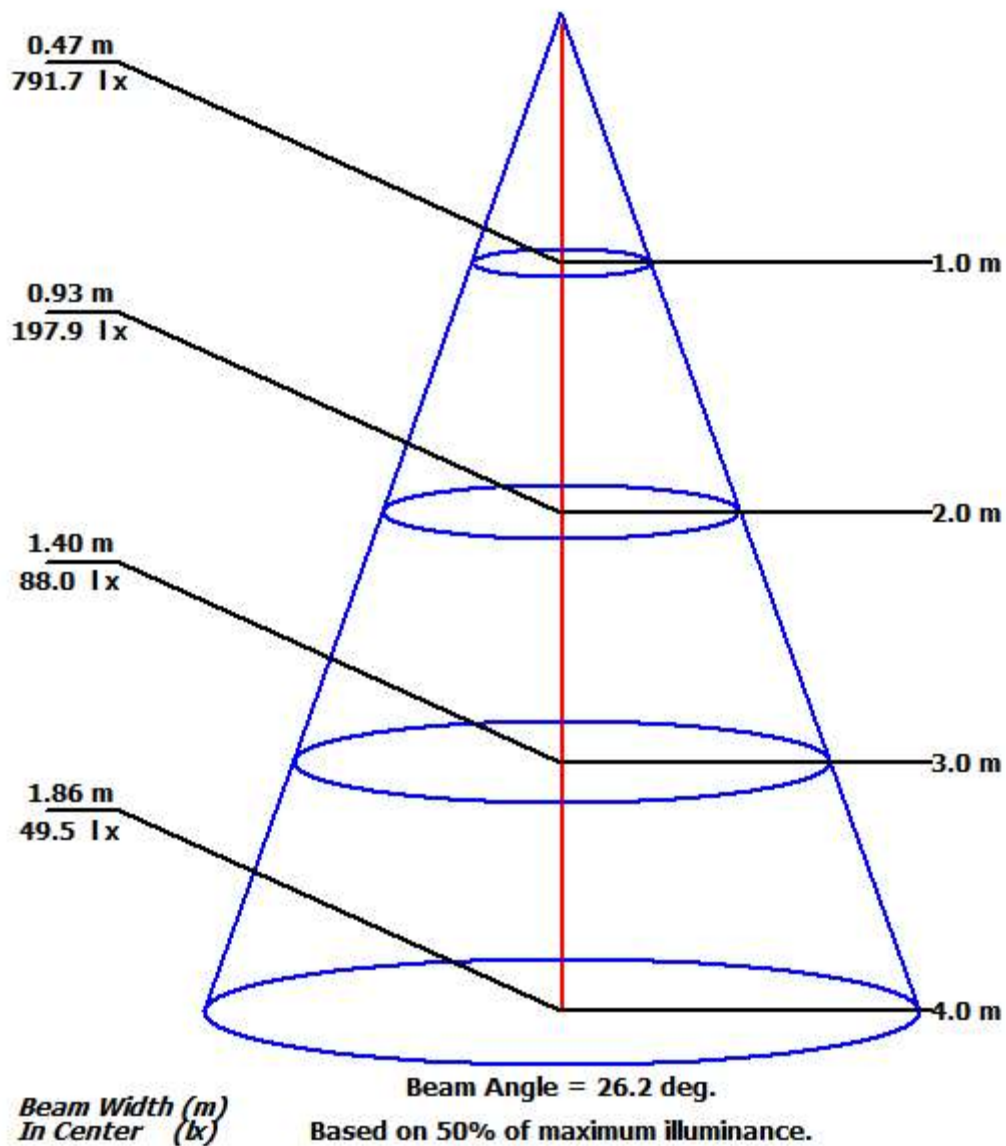
Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## Illuminance Cone Diagram





## Luminaire

## Lamp

|                 |     |              |      |
|-----------------|-----|--------------|------|
| No. of lamps    | 1   | Voltage (V)  | 24   |
| Lamp flux (lm)  | 210 | Current (A)  | 0.11 |
| Total flux (lm) | 210 | Power Factor | 1    |

## Report

Filename DVP-24V-C90-R 2744K.jdt

Operator

Date 2021-08-05 오후 2:12:54

## Coefficient of Utilization

|                         |                   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                         | Refl. Ceiling (%) | 80%  | 80%  | 80%  | 70%  | 70%  | 70%  | 50%  | 50%  | 50%  | 30%  | 30%  | 30%  | 10%  | 10%  | 10%  | 0%   |
|                         | Refl. Wall (%)    | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 50%  | 30%  | 10%  | 0%   |
| Eff. Floor Cavity Refl. |                   | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  | 20%  |
| Room CR 0               |                   | 0.89 | 0.89 | 0.89 | 0.87 | 0.87 | 0.87 | 0.83 | 0.83 | 0.83 | 0.79 | 0.79 | 0.79 | 0.76 | 0.76 | 0.76 | 0.74 |
| Room CR 1               |                   | 0.84 | 0.83 | 0.81 | 0.83 | 0.81 | 0.80 | 0.79 | 0.78 | 0.78 | 0.77 | 0.76 | 0.75 | 0.74 | 0.73 | 0.73 | 0.72 |
| Room CR 2               |                   | 0.80 | 0.78 | 0.76 | 0.79 | 0.77 | 0.75 | 0.76 | 0.75 | 0.73 | 0.74 | 0.73 | 0.72 | 0.72 | 0.71 | 0.70 | 0.69 |
| Room CR 3               |                   | 0.76 | 0.74 | 0.71 | 0.75 | 0.73 | 0.71 | 0.73 | 0.71 | 0.70 | 0.72 | 0.70 | 0.69 | 0.70 | 0.69 | 0.67 | 0.66 |
| Room CR 4               |                   | 0.73 | 0.70 | 0.68 | 0.72 | 0.70 | 0.67 | 0.71 | 0.68 | 0.67 | 0.69 | 0.67 | 0.66 | 0.68 | 0.66 | 0.65 | 0.64 |
| Room CR 5               |                   | 0.70 | 0.67 | 0.65 | 0.70 | 0.67 | 0.65 | 0.68 | 0.66 | 0.64 | 0.67 | 0.65 | 0.63 | 0.66 | 0.64 | 0.63 | 0.62 |
| Room CR 6               |                   | 0.68 | 0.65 | 0.62 | 0.67 | 0.64 | 0.62 | 0.66 | 0.64 | 0.62 | 0.65 | 0.63 | 0.61 | 0.64 | 0.62 | 0.61 | 0.60 |
| Room CR 7               |                   | 0.65 | 0.62 | 0.60 | 0.65 | 0.62 | 0.60 | 0.64 | 0.61 | 0.59 | 0.63 | 0.61 | 0.59 | 0.62 | 0.60 | 0.59 | 0.58 |
| Room CR 8               |                   | 0.63 | 0.60 | 0.58 | 0.63 | 0.60 | 0.58 | 0.62 | 0.59 | 0.57 | 0.61 | 0.59 | 0.57 | 0.61 | 0.59 | 0.57 | 0.56 |
| Room CR 9               |                   | 0.61 | 0.58 | 0.56 | 0.61 | 0.58 | 0.56 | 0.60 | 0.58 | 0.56 | 0.60 | 0.57 | 0.56 | 0.59 | 0.57 | 0.55 | 0.55 |
| Room CR 10              |                   | 0.59 | 0.56 | 0.54 | 0.59 | 0.56 | 0.54 | 0.59 | 0.56 | 0.54 | 0.58 | 0.56 | 0.54 | 0.58 | 0.55 | 0.54 | 0.53 |

