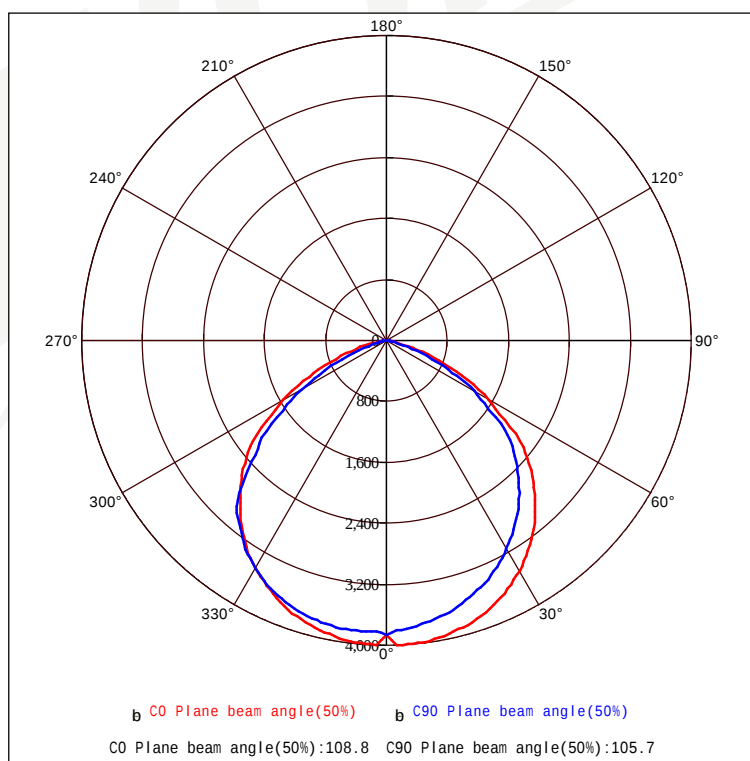


## LED FLOOD LIGHT

|                                                                           |          |     |                     |          |                     |       |
|---------------------------------------------------------------------------|----------|-----|---------------------|----------|---------------------|-------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |          |     |                     |          |                     |       |
| Lamp Name: LPFL100A                                                       |          |     | Lamp Type:          |          | Weight(kg):         |       |
| Lamp ID:                                                                  |          |     | Lamp Spec: LPFL100A |          | Shape Size:         |       |
| Manufactory: LIPER                                                        |          |     | Sur(m^2):           |          | Protect Angle(Deg): |       |
| Light Source Data                                                         |          |     | Photometric Data    |          |                     |       |
| Model                                                                     | LPFL100A |     | Peak Value(cd)      | 3998.9   | Efficiency(lm/w)    | 103.7 |
| Nominal P(w)                                                              |          | 1.0 | Position            | 0.0,3.0  | UP(C0-C180)         | 0.0   |
| Rated Volt(v)                                                             |          | 1.0 | Total Flux(lm)      | 9815.970 | Down(C0-C180)       | 50.4  |
| Rated Flux(lm)                                                            |          | 1.0 | Up Flux Rate(%)     | 0.0      | UP(C180-C360)       | 0.0   |
| Illuminant QTY                                                            |          | 1   | Dw Flux Rate(%)     | 100.0    | Down(C180-C360)     | 49.6  |

## Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

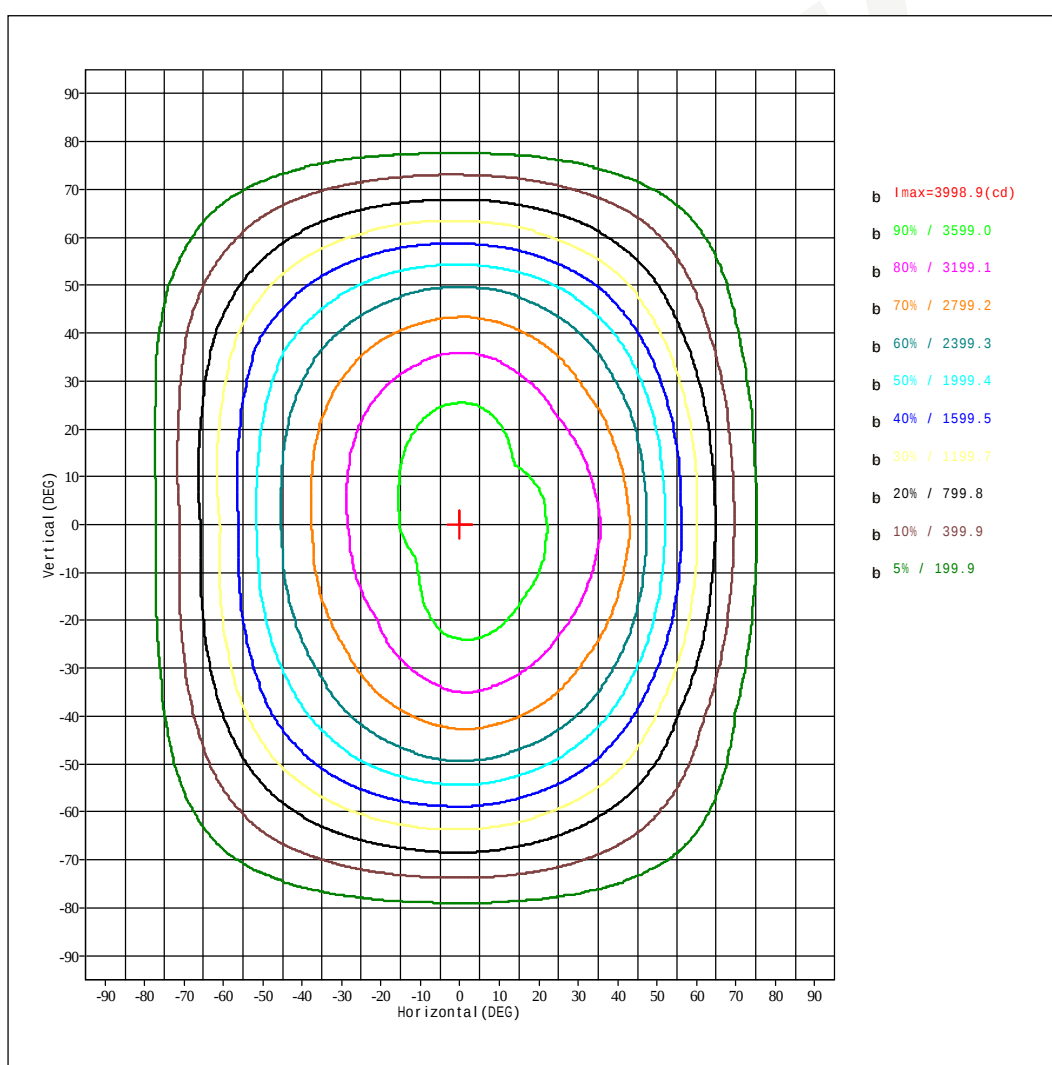
Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                     |                     |
|---------------------------------------------------------------------------|---------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                     |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:          | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m^2):           | Protect Angle(Deg): |

Planar IsoCandela Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

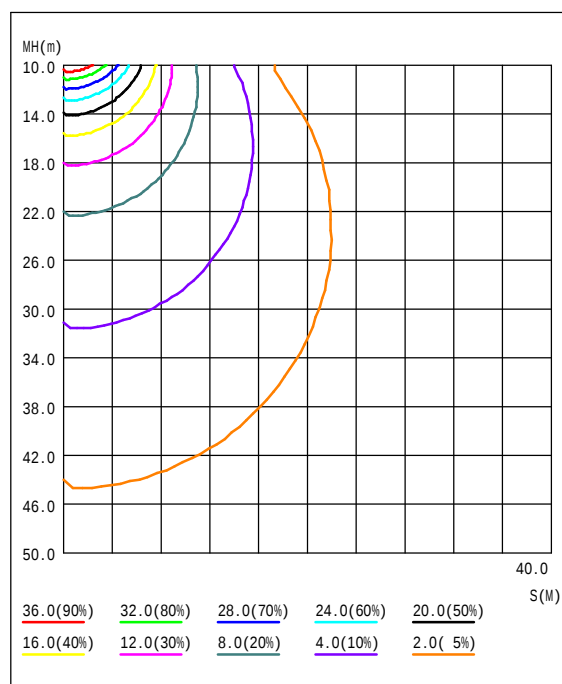
Humidity(%): 60

Date: 2021-10-11

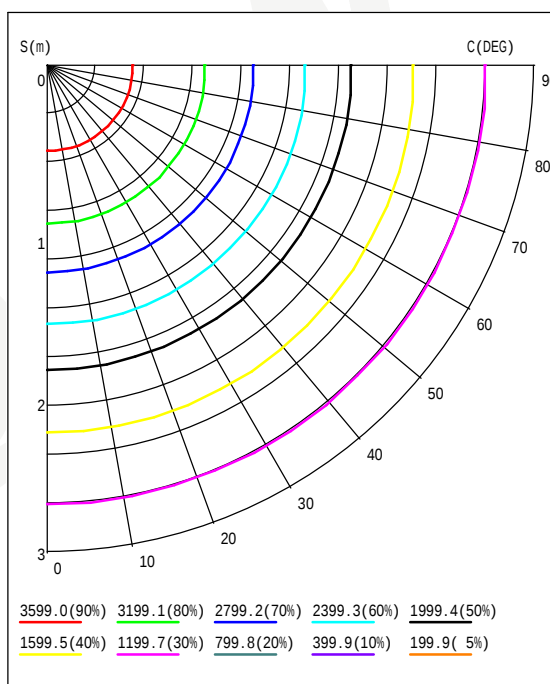
Remark:

|                                                                           |                     |                     |
|---------------------------------------------------------------------------|---------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                     |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:          | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m^2):           | Protect Angle(Deg): |

Spacial ISOLUX Curve



Planar ISOLUX Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

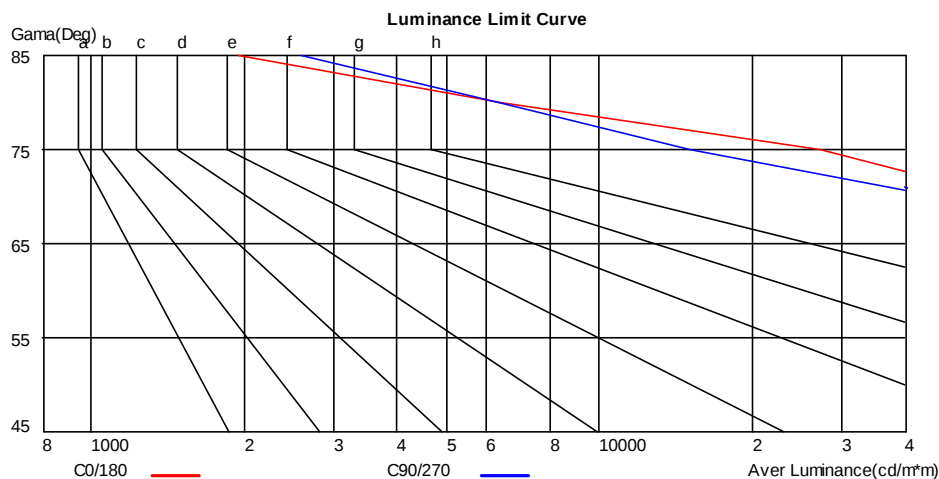
Remark:

|                                                                           |                       |                     |
|---------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                       |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:            | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A   | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m <sup>2</sup> ): | Protect Angle(Deg): |

### Luminance Limit Curve

| Aver Luminance(cd/m <sup>2</sup> m) |          |          |          |          |          |         |         |        |        |
|-------------------------------------|----------|----------|----------|----------|----------|---------|---------|--------|--------|
| Gm(Deg)                             | 45       | 50       | 55       | 60       | 65       | 70      | 75      | 80     | 85     |
| C0                                  | 271075.0 | 237771.5 | 191428.8 | 151402.3 | 105231.3 | 61748.0 | 27160.8 | 6362.8 | 1947.5 |
| C90                                 | 241073.0 | 211669.3 | 167384.0 | 129798.0 | 86144.3  | 45713.8 | 15083.0 | 6357.0 | 2582.0 |

| Glare |       |                 |      |      |       |       |       |       |       |
|-------|-------|-----------------|------|------|-------|-------|-------|-------|-------|
| Glare | Class | Illuminance(lx) |      |      |       |       |       |       |       |
| 1.15  | A     | 2000            | 1000 | 500  | <=300 |       |       |       |       |
| 1.5   | B     |                 | 2000 | 1000 | 500   | <=300 |       |       |       |
| 1.85  | C     |                 |      | 2000 | 1000  | 500   | <=300 |       |       |
| 2.2   | D     |                 |      |      | 2000  | 1000  | 500   | <=300 |       |
| 2.55  | E     |                 |      |      |       | 2000  | 1000  | 500   | <=300 |
|       |       | a               | b    | c    | d     | e     | f     | g     | h     |



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

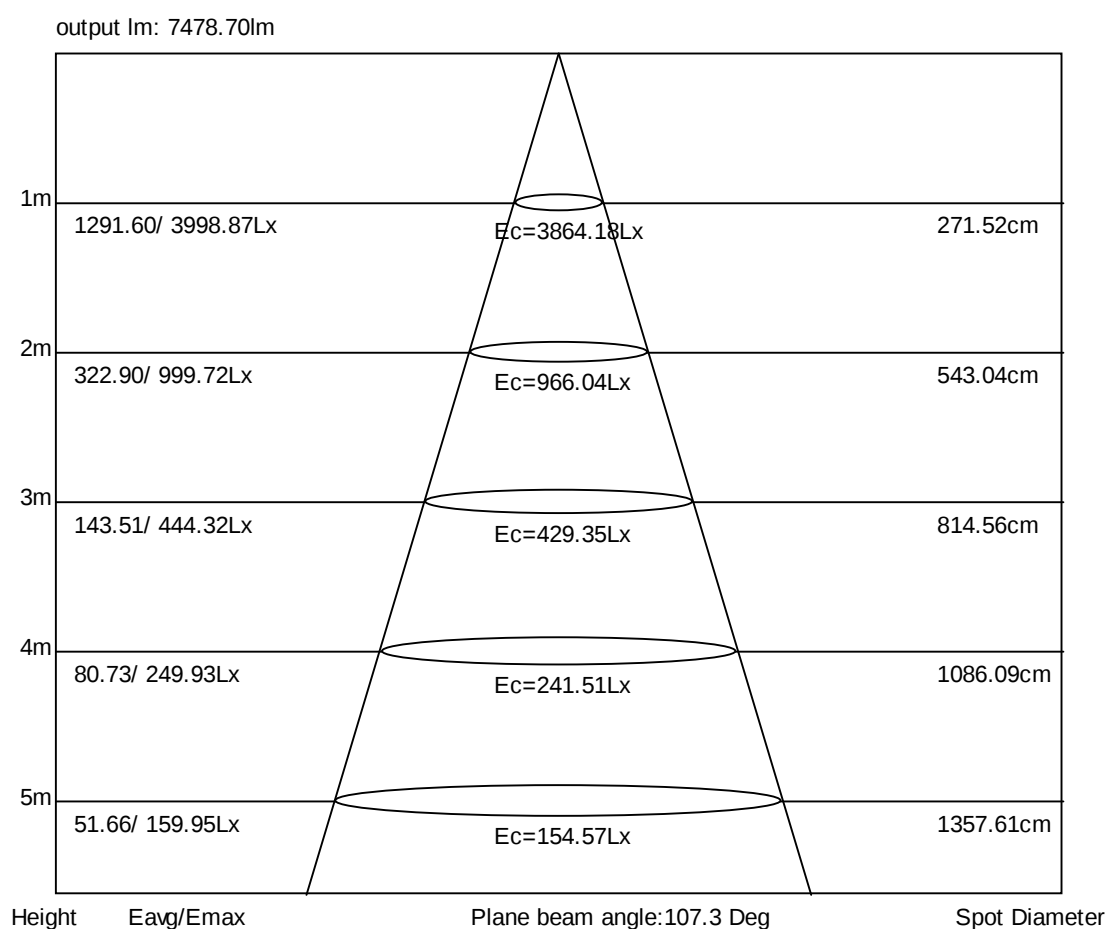
Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                       |                     |
|---------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                       |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:            | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A   | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m <sup>2</sup> ): | Protect Angle(Deg): |

### Average Illumination



Gama Angle Range: -90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range: 0 - 180(Deg)

C interval(Deg): 45

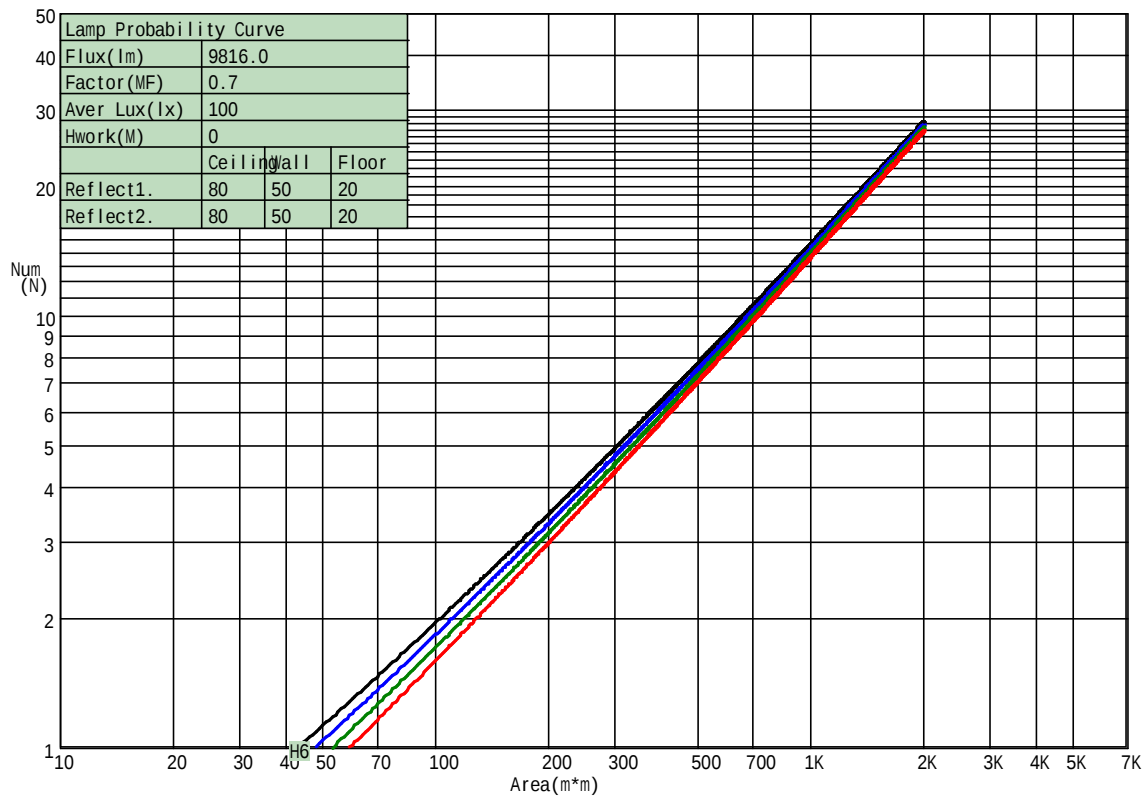
Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                     |                     |
|---------------------------------------------------------------------------|---------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                     |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:          | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m^2):           | Protect Angle(Deg): |

Lamp Probability Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                       |                     |
|---------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                       |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:            | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A   | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m <sup>2</sup> ): | Protect Angle(Deg): |

UF Table

|         |     |     |     |     |     |     |     |     |     |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ceiling | 0.8 | 0.8 | 0.8 | 0.7 | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 |
| Wall    | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 | 0.7 | 0.5 | 0.3 |
| Floor   | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 0.60    | 55  | 41  | 32  | 54  | 40  | 32  | 51  | 39  | 31  |
| 0.80    | 59  | 43  | 33  | 57  | 42  | 33  | 53  | 41  | 32  |
| 1.00    | 62  | 45  | 34  | 60  | 44  | 33  | 55  | 42  | 32  |
| 1.25    | 64  | 47  | 34  | 61  | 45  | 33  | 56  | 42  | 32  |
| 1.50    | 66  | 48  | 34  | 63  | 46  | 33  | 57  | 42  | 31  |
| 2.00    | 68  | 49  | 34  | 64  | 47  | 33  | 57  | 43  | 31  |
| 2.50    | 69  | 49  | 33  | 65  | 47  | 32  | 57  | 42  | 29  |
| 3.00    | 70  | 50  | 33  | 65  | 47  | 31  | 57  | 42  | 29  |
| 4.00    | 71  | 50  | 33  | 66  | 47  | 31  | 58  | 42  | 28  |
| 5.00    | 71  | 51  | 32  | 67  | 48  | 31  | 58  | 42  | 27  |

CoEfficients Utilization

|            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| Wall(%)    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Floor (%)  |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| 0          | 1.19 | 1.19 | 1.19 | 1.16 | 1.16 | 1.16 | 1.11 | 1.11 | 1.11 | 1.06 | 1.06 | 1.06 | 1.02 | 1.02 | 1.02 |
| 1          | 1.06 | 1.03 | 0.99 | 1.04 | 1.01 | 0.98 | 1    | 0.97 | 0.95 | 0.96 | 0.94 | 0.92 | 0.92 | 0.91 | 0.89 |
| 2          | 0.94 | 0.88 | 0.83 | 0.92 | 0.87 | 0.82 | 0.89 | 0.84 | 0.8  | 0.85 | 0.82 | 0.78 | 0.83 | 0.79 | 0.76 |
| 3          | 0.83 | 0.76 | 0.7  | 0.82 | 0.75 | 0.69 | 0.79 | 0.73 | 0.68 | 0.76 | 0.71 | 0.67 | 0.74 | 0.69 | 0.66 |
| 4          | 0.74 | 0.66 | 0.6  | 0.73 | 0.65 | 0.59 | 0.71 | 0.64 | 0.59 | 0.68 | 0.63 | 0.58 | 0.66 | 0.61 | 0.57 |
| 5          | 0.67 | 0.58 | 0.52 | 0.65 | 0.58 | 0.52 | 0.63 | 0.56 | 0.51 | 0.61 | 0.55 | 0.51 | 0.6  | 0.54 | 0.5  |
| 6          | 0.6  | 0.52 | 0.45 | 0.59 | 0.51 | 0.45 | 0.57 | 0.5  | 0.45 | 0.56 | 0.49 | 0.45 | 0.54 | 0.49 | 0.44 |
| 7          | 0.55 | 0.46 | 0.4  | 0.54 | 0.46 | 0.4  | 0.52 | 0.45 | 0.4  | 0.51 | 0.44 | 0.4  | 0.5  | 0.44 | 0.39 |
| 8          | 0.5  | 0.42 | 0.36 | 0.49 | 0.41 | 0.36 | 0.48 | 0.41 | 0.36 | 0.47 | 0.4  | 0.35 | 0.45 | 0.4  | 0.35 |
| 9          | 0.46 | 0.38 | 0.32 | 0.45 | 0.38 | 0.32 | 0.44 | 0.37 | 0.32 | 0.43 | 0.37 | 0.32 | 0.42 | 0.36 | 0.32 |
| 10         | 0.42 | 0.35 | 0.29 | 0.42 | 0.34 | 0.29 | 0.41 | 0.34 | 0.29 | 0.4  | 0.34 | 0.29 | 0.39 | 0.33 | 0.29 |

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                       |                     |
|---------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                       |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:            | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A   | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m <sup>2</sup> ): | Protect Angle(Deg): |

Wall Exitance CoEfficients

|            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| Wall(%)    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Floor (%)  |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| 0          | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| 1          | 0.26 | 0.15 | 0.05 | 0.26 | 0.15 | 0.05 | 0.24 | 0.14 | 0.04 | 0.23 | 0.13 | 0.04 | 0.22 | 0.13 | 0.04 |
| 2          | 0.26 | 0.14 | 0.04 | 0.25 | 0.14 | 0.04 | 0.24 | 0.13 | 0.04 | 0.23 | 0.13 | 0.04 | 0.22 | 0.12 | 0.04 |
| 3          | 0.24 | 0.13 | 0.04 | 0.24 | 0.13 | 0.04 | 0.23 | 0.12 | 0.04 | 0.22 | 0.12 | 0.04 | 0.21 | 0.12 | 0.04 |
| 4          | 0.23 | 0.12 | 0.04 | 0.23 | 0.12 | 0.03 | 0.22 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.2  | 0.11 | 0.03 |
| 5          | 0.22 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.2  | 0.11 | 0.03 | 0.2  | 0.1  | 0.03 | 0.19 | 0.1  | 0.03 |
| 6          | 0.2  | 0.1  | 0.03 | 0.2  | 0.1  | 0.03 | 0.19 | 0.1  | 0.03 | 0.18 | 0.1  | 0.03 | 0.18 | 0.09 | 0.03 |
| 7          | 0.19 | 0.09 | 0.03 | 0.19 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 |
| 8          | 0.18 | 0.09 | 0.02 | 0.18 | 0.09 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 |
| 9          | 0.17 | 0.08 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 |
| 10         | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.07 | 0.02 | 0.15 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 |

Ceiling Cavity Exitance CoEfficients

|            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Ceiling(%) |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| Wall(%)    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Floor (%)  |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |      | 0    |      |
| 0          | 0.19 | 0.19 | 0.19 | 0.16 | 0.16 | 0.16 | 0.11 | 0.11 | 0.11 | 0.06 | 0.06 | 0.06 | 0.02 | 0.02 | 0.02 |
| 1          | 0.18 | 0.16 | 0.14 | 0.15 | 0.13 | 0.12 | 0.1  | 0.09 | 0.08 | 0.06 | 0.05 | 0.05 | 0.02 | 0.02 | 0.02 |
| 2          | 0.17 | 0.13 | 0.1  | 0.14 | 0.11 | 0.09 | 0.1  | 0.08 | 0.06 | 0.06 | 0.05 | 0.04 | 0.02 | 0.01 | 0.01 |
| 3          | 0.16 | 0.11 | 0.08 | 0.14 | 0.1  | 0.07 | 0.09 | 0.07 | 0.05 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 | 0.01 |
| 4          | 0.15 | 0.1  | 0.06 | 0.13 | 0.09 | 0.05 | 0.09 | 0.06 | 0.04 | 0.05 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 |
| 5          | 0.15 | 0.09 | 0.05 | 0.12 | 0.08 | 0.04 | 0.09 | 0.05 | 0.03 | 0.05 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| 6          | 0.14 | 0.08 | 0.04 | 0.12 | 0.07 | 0.04 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 | 0.01 | 0.02 | 0.01 | 0    |
| 7          | 0.13 | 0.07 | 0.03 | 0.11 | 0.06 | 0.03 | 0.08 | 0.05 | 0.02 | 0.05 | 0.03 | 0.01 | 0.01 | 0.01 | 0    |
| 8          | 0.13 | 0.07 | 0.03 | 0.11 | 0.06 | 0.03 | 0.07 | 0.04 | 0.02 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0    |
| 9          | 0.12 | 0.06 | 0.03 | 0.1  | 0.06 | 0.02 | 0.07 | 0.04 | 0.02 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0    |
| 10         | 0.11 | 0.06 | 0.02 | 0.1  | 0.05 | 0.02 | 0.07 | 0.04 | 0.01 | 0.04 | 0.02 | 0.01 | 0.01 | 0.01 | 0    |

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                     |                     |
|---------------------------------------------------------------------------|---------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                     |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:          | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m^2):           | Protect Angle(Deg): |

Ring-shaped Flux Data Table

| Gm\C(Deg) | 0    | 45   | 90   | 135  | 180  | 225  | 270  | 315  | Range   | Ring | T(lm) |
|-----------|------|------|------|------|------|------|------|------|---------|------|-------|
| 5         | 3997 | 3864 | 3773 | 3741 | 3987 | 3884 | 3828 | 3777 | 0-5     | 92.3 | 92.3  |
| 10        | 3956 | 3813 | 3704 | 3682 | 3939 | 3848 | 3816 | 3752 | 5-10    | 274  | 367   |
| 15        | 3887 | 3734 | 3599 | 3595 | 3855 | 3776 | 3774 | 3698 | 10-15   | 448  | 815   |
| 20        | 3791 | 3631 | 3477 | 3476 | 3749 | 3676 | 3690 | 3610 | 15-20   | 608  | 1423  |
| 25        | 3642 | 3489 | 3324 | 3330 | 3599 | 3534 | 3579 | 3487 | 20-25   | 748  | 2171  |
| 30        | 3474 | 3317 | 3134 | 3153 | 3430 | 3352 | 3430 | 3318 | 25-30   | 864  | 3035  |
| 35        | 3256 | 3115 | 2921 | 2947 | 3207 | 3139 | 3236 | 3119 | 30-35   | 949  | 3984  |
| 40        | 3012 | 2879 | 2684 | 2710 | 2962 | 2878 | 3016 | 2878 | 35-40   | 1000 | 4984  |
| 45        | 2711 | 2611 | 2411 | 2448 | 2677 | 2583 | 2627 | 2596 | 40-45   | 1012 | 5996  |
| 50        | 2378 | 2319 | 2117 | 2156 | 2362 | 2204 | 2178 | 2278 | 45-50   | 977  | 6973  |
| 55        | 1914 | 1992 | 1674 | 1835 | 1943 | 1691 | 1701 | 1809 | 50-55   | 891  | 7864  |
| 60        | 1514 | 1643 | 1298 | 1498 | 1533 | 1223 | 1228 | 1329 | 55-60   | 744  | 8608  |
| 65        | 1052 | 1179 | 861  | 982  | 1069 | 702  | 750  | 815  | 60-65   | 566  | 9174  |
| 70        | 617  | 750  | 457  | 592  | 678  | 302  | 337  | 375  | 65-70   | 361  | 9535  |
| 75        | 272  | 349  | 151  | 261  | 321  | 76.9 | 98.6 | 105  | 70-75   | 180  | 9715  |
| 80        | 63.6 | 93.4 | 63.6 | 69.7 | 90.2 | 35.7 | 47.1 | 39.2 | 75-80   | 66.4 | 9781  |
| 85        | 19.5 | 35.9 | 25.8 | 28.7 | 32.6 | 24.6 | 23.2 | 23.2 | 80-85   | 22.1 | 9803  |
| 90        | 15.9 | 15.9 | 16.5 | 17.4 | 27.7 | 28.1 | 25.1 | 26.3 | 85-90   | 12.5 | 9816  |
| 95        |      |      |      |      |      |      |      |      | 90-95   |      |       |
| 100       |      |      |      |      |      |      |      |      | 95-100  |      |       |
| 105       |      |      |      |      |      |      |      |      | 100-105 |      |       |
| 110       |      |      |      |      |      |      |      |      | 105-110 |      |       |
| 115       |      |      |      |      |      |      |      |      | 110-115 |      |       |
| 120       |      |      |      |      |      |      |      |      | 115-120 |      |       |
| 125       |      |      |      |      |      |      |      |      | 120-125 |      |       |
| 130       |      |      |      |      |      |      |      |      | 125-130 |      |       |
| 135       |      |      |      |      |      |      |      |      | 130-135 |      |       |
| 140       |      |      |      |      |      |      |      |      | 135-140 |      |       |
| 145       |      |      |      |      |      |      |      |      | 140-145 |      |       |
| 150       |      |      |      |      |      |      |      |      | 145-150 |      |       |
| 155       |      |      |      |      |      |      |      |      | 150-155 |      |       |
| 160       |      |      |      |      |      |      |      |      | 155-160 |      |       |
| 165       |      |      |      |      |      |      |      |      | 160-165 |      |       |
| 170       |      |      |      |      |      |      |      |      | 165-170 |      |       |
| 175       |      |      |      |      |      |      |      |      | 170-175 |      |       |
| 180       |      |      |      |      |      |      |      |      | 175-180 |      |       |

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark:

|                                                                           |                     |                     |
|---------------------------------------------------------------------------|---------------------|---------------------|
| Measured Para U: 217.9V I: 746.0mA P: 94.70W PF: 0.582 Test LM: 9815.97lm |                     |                     |
| Lamp Name: LPFL100A                                                       | Lamp Type:          | Weight(kg):         |
| Lamp ID:                                                                  | Lamp Spec: LPFL100A | Shape Size:         |
| Manufactory: LIPER                                                        | Sur(m^2):           | Protect Angle(Deg): |

CD Table

| Gm\C(Deg) | 0    | 20   | 40   | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  | 260  | 280  | 300  | 320  | 340  |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 5.0       | 3997 | 3939 | 3879 | 3834 | 3793 | 3766 | 3751 | 3768 | 3879 | 3987 | 3942 | 3895 | 3865 | 3840 | 3817 | 3794 | 3801 | 3901 |
| 10.0      | 3956 | 3893 | 3829 | 3777 | 3728 | 3699 | 3689 | 3710 | 3827 | 3939 | 3899 | 3858 | 3837 | 3823 | 3802 | 3773 | 3774 | 3867 |
| 15.0      | 3887 | 3820 | 3751 | 3689 | 3628 | 3598 | 3596 | 3623 | 3741 | 3855 | 3821 | 3785 | 3776 | 3774 | 3757 | 3723 | 3718 | 3804 |
| 20.0      | 3791 | 3721 | 3649 | 3580 | 3510 | 3476 | 3476 | 3506 | 3629 | 3749 | 3717 | 3684 | 3680 | 3687 | 3672 | 3636 | 3630 | 3712 |
| 25.0      | 3642 | 3575 | 3506 | 3435 | 3360 | 3325 | 3328 | 3360 | 3481 | 3599 | 3570 | 3541 | 3548 | 3569 | 3559 | 3517 | 3504 | 3574 |
| 30.0      | 3474 | 3406 | 3335 | 3257 | 3174 | 3139 | 3147 | 3184 | 3309 | 3430 | 3396 | 3360 | 3377 | 3413 | 3405 | 3355 | 3335 | 3406 |
| 35.0      | 3256 | 3194 | 3130 | 3051 | 2963 | 2927 | 2938 | 2976 | 3093 | 3207 | 3177 | 3146 | 3171 | 3215 | 3210 | 3157 | 3134 | 3196 |
| 40.0      | 3012 | 2954 | 2893 | 2815 | 2727 | 2690 | 2702 | 2738 | 2852 | 2962 | 2925 | 2888 | 2924 | 2986 | 2986 | 2924 | 2893 | 2953 |
| 45.0      | 2711 | 2667 | 2621 | 2545 | 2454 | 2419 | 2436 | 2473 | 2577 | 2677 | 2636 | 2593 | 2597 | 2617 | 2620 | 2606 | 2609 | 2661 |
| 50.0      | 2378 | 2352 | 2326 | 2253 | 2161 | 2125 | 2143 | 2178 | 2272 | 2362 | 2293 | 2221 | 2195 | 2183 | 2200 | 2245 | 2289 | 2334 |
| 55.0      | 1914 | 1948 | 1984 | 1888 | 1743 | 1709 | 1782 | 1847 | 1896 | 1943 | 1833 | 1719 | 1694 | 1699 | 1724 | 1773 | 1820 | 1868 |
| 60.0      | 1514 | 1570 | 1628 | 1529 | 1373 | 1342 | 1433 | 1502 | 1518 | 1533 | 1398 | 1257 | 1225 | 1227 | 1250 | 1296 | 1349 | 1433 |
| 65.0      | 1052 | 1108 | 1165 | 1075 | 931  | 888  | 942  | 991  | 1031 | 1069 | 908  | 742  | 717  | 739  | 764  | 794  | 841  | 949  |
| 70.0      | 617  | 676  | 736  | 654  | 521  | 487  | 548  | 602  | 641  | 678  | 514  | 344  | 314  | 330  | 345  | 363  | 402  | 512  |
| 75.0      | 272  | 306  | 341  | 284  | 194  | 175  | 225  | 267  | 295  | 321  | 214  | 104  | 84   | 93.9 | 99.9 | 103  | 123  | 199  |
| 80.0      | 63.6 | 76.7 | 90.2 | 83.6 | 70.1 | 64.9 | 67.7 | 71.9 | 81.2 | 90.2 | 66.3 | 41.6 | 39.4 | 44.6 | 45.4 | 41.8 | 41.8 | 52.9 |
| 85.0      | 19.5 | 26.7 | 34.1 | 32.6 | 28   | 26.4 | 27.7 | 29.1 | 30.9 | 32.6 | 29.1 | 25.5 | 24.2 | 23.5 | 23.2 | 23.2 | 22.8 | 21.1 |
| 90.0      | 15.9 | 15.9 | 15.9 | 16.1 | 16.4 | 16.7 | 17.1 | 18.5 | 23.2 | 27.7 | 27.9 | 28.1 | 27.1 | 25.8 | 25.4 | 25.9 | 25.1 | 20.4 |
| 95.0      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 100.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 105.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 110.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 115.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 120.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 125.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 130.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 135.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 140.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 145.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 150.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 155.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 160.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 165.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 170.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 175.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 180.0     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 30

Tester: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

Humidity(%): 60

Date: 2021-10-11

Remark: