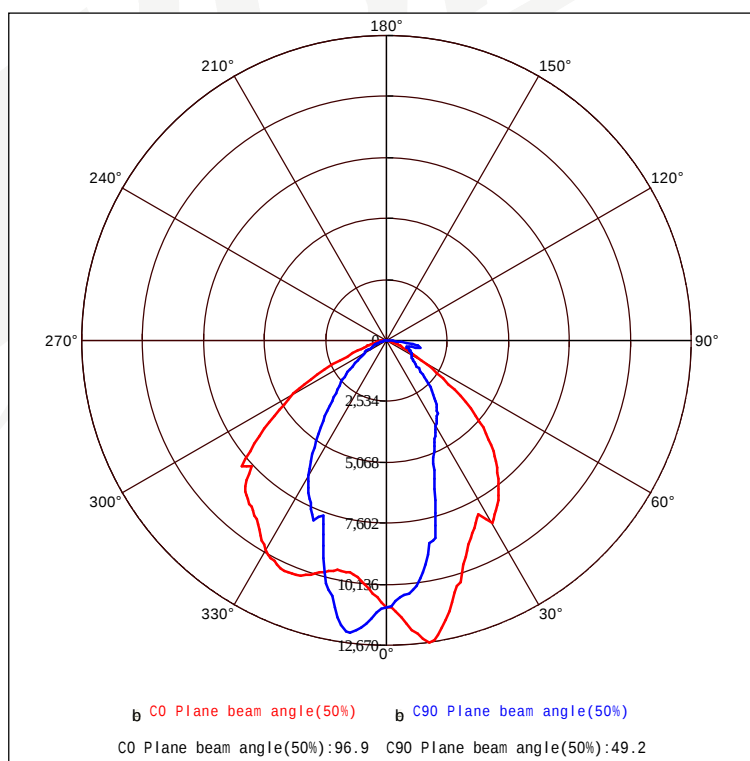


## LED STREET LIGHT

|                                                                             |            |       |                       |           |                     |       |
|-----------------------------------------------------------------------------|------------|-------|-----------------------|-----------|---------------------|-------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |            |       |                       |           |                     |       |
| Lamp Name: LPSTL-200W                                                       |            |       | Lamp Type: CLASS I    |           | Weight(kg):         |       |
| Lamp ID:                                                                    |            |       | Lamp Spec: LPSTL-200W |           | Shape Size:         |       |
| Manufactory: LIPER                                                          |            |       | Sur(m^2):             |           | Protect Angle(Deg): |       |
| Light Source Data                                                           |            |       | Photometric Data      |           |                     |       |
| Model                                                                       | LPSTL-200W |       | Peak Value(cd)        | 12722.2   | Efficiency(lm/w)    | 109.8 |
| Nominal P(w)                                                                |            | 1.0   | Position              | 315.0,6.0 | UP(C0-C180)         | 0.0   |
| Rated Volt(v)                                                               |            | 220.0 | Total Flux(lm)        | 19272.914 | Down(C0-C180)       | 48.2  |
| 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)     | 51.8  |

## Planar Intensity Distribution Curve



Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

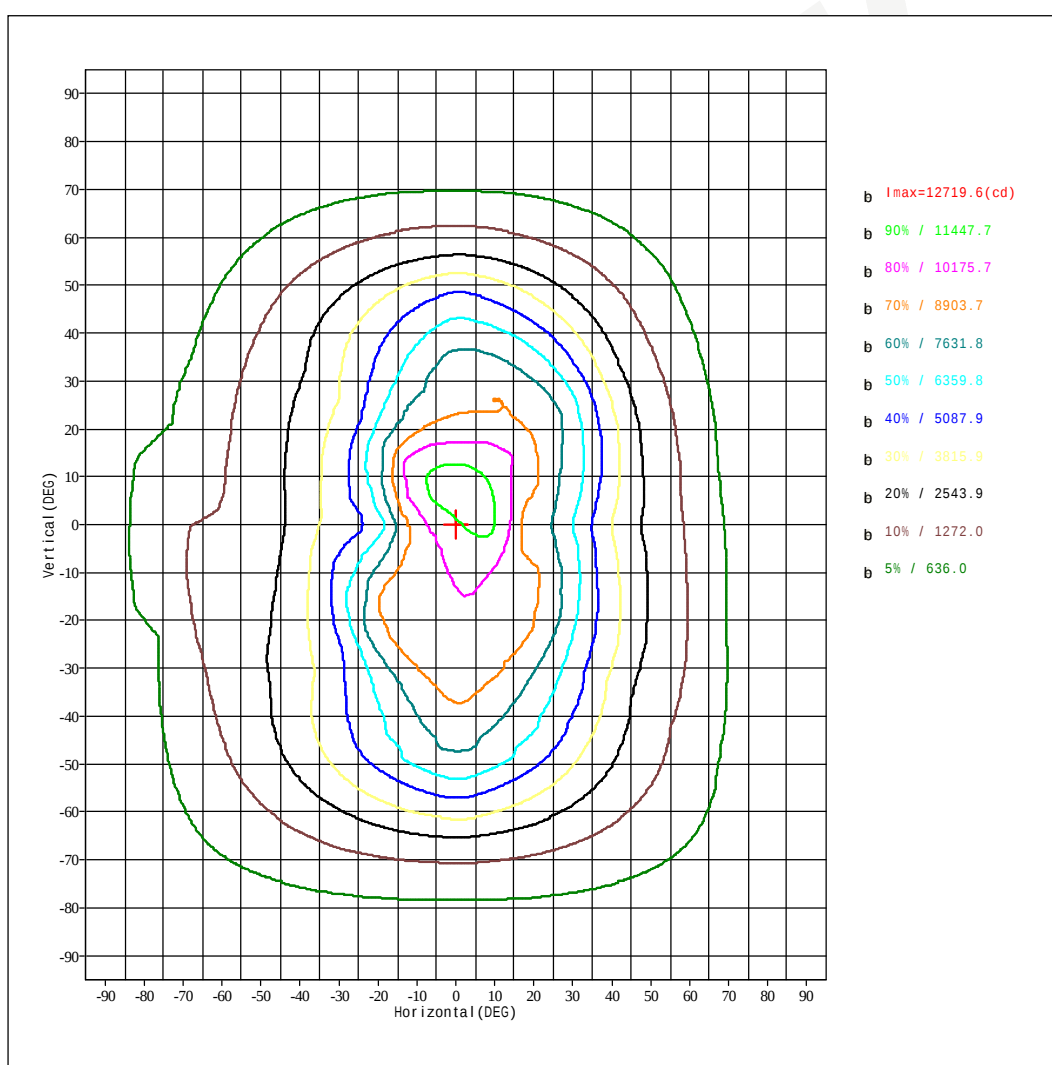
Humidity(%): 60

Date: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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): 25

Tester: zyg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

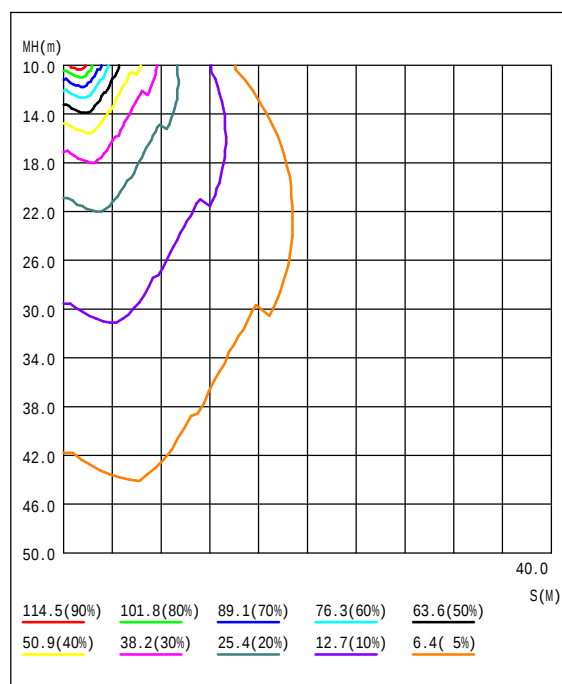
Humidity(%): 60

Date: 2020-4-1

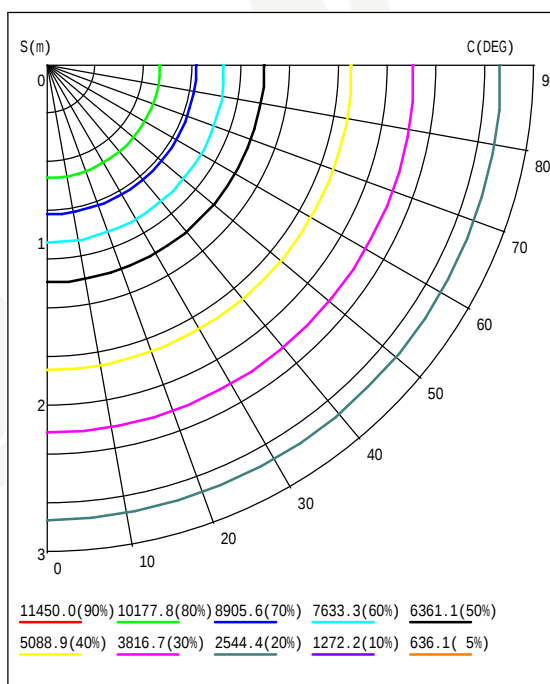
Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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): 25

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: 2020-4-1

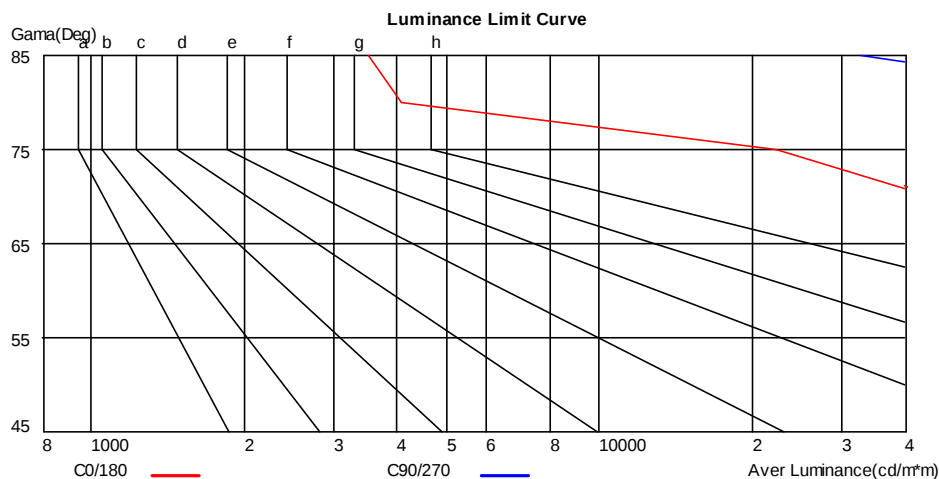
Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | Shape Size:         |
| Manufactory: LIPER                                                          | Sur(m^2):             | Protect Angle(Deg): |

### Luminance Limit Curve

| Aver Luminance(cd/m²m) |          |          |          |          |          |         |          |          |         |
|------------------------|----------|----------|----------|----------|----------|---------|----------|----------|---------|
| Gm(Deg)                | 45       | 50       | 55       | 60       | 65       | 70      | 75       | 80       | 85      |
| C0                     | 604996.3 | 468911.0 | 298876.0 | 155852.3 | 80270.0  | 45296.3 | 22259.5  | 4075.2   | 3519.7  |
| C90                    | 228464.8 | 161498.5 | 128003.5 | 122524.7 | 108911.5 | 88216.3 | 117883.3 | 131903.3 | 32820.3 |

| 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): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

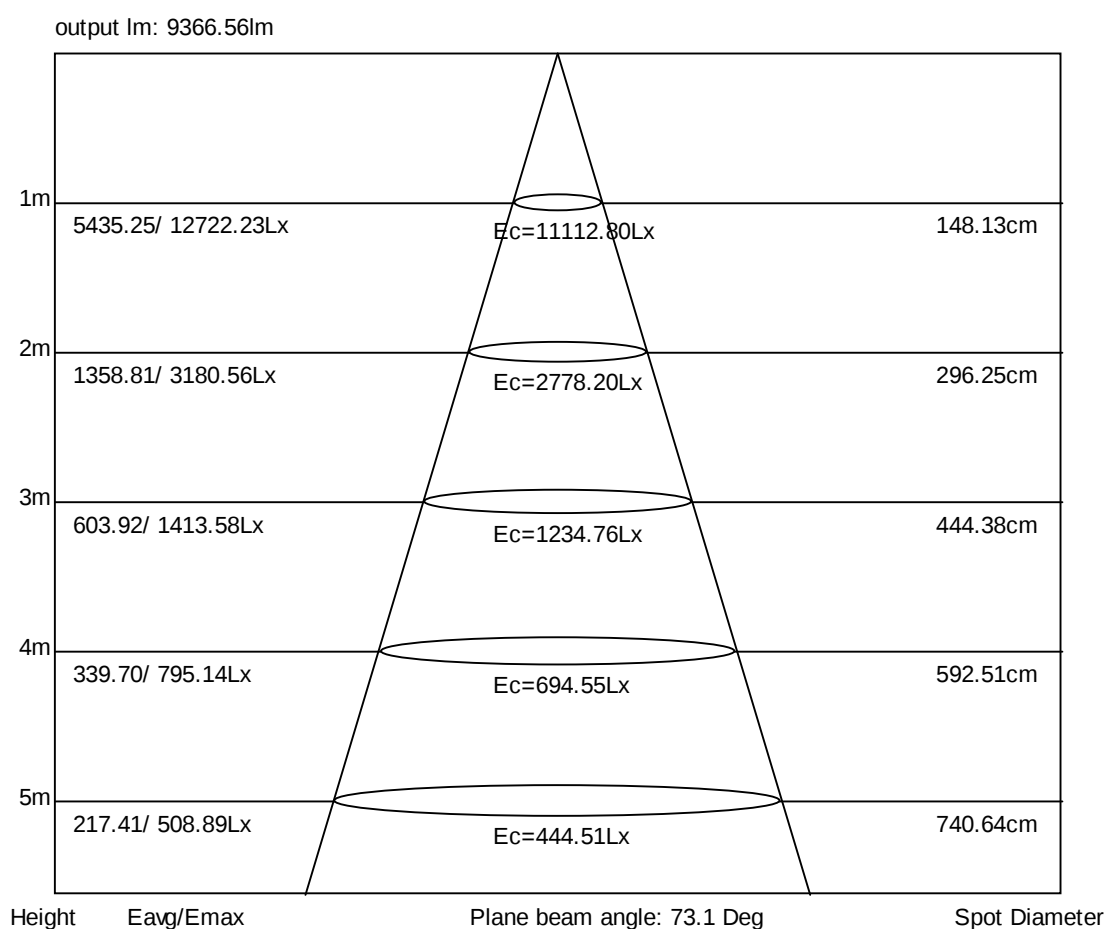
Humidity(%): 60

Date: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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): 25

Tester: zxcg

Distance(m): 5.000

Test System: ZWL Goniophotometer System V3.0

C Angle Range:0 - 180(Deg)

C interval(Deg): 45

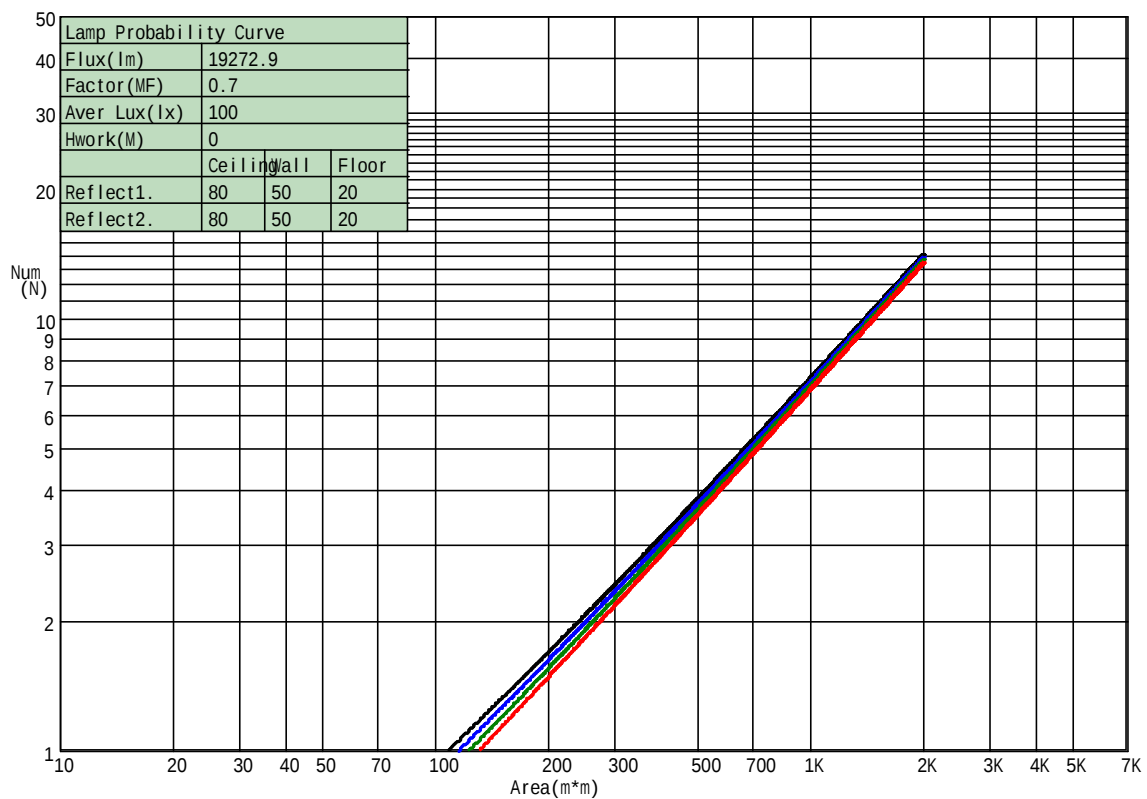
Humidity(%): 60

Date: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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): 25

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: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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    | 60  | 47  | 39  | 59  | 46  | 39  | 56  | 45  | 38  |
| 0.80    | 62  | 47  | 37  | 60  | 46  | 36  | 56  | 44  | 35  |
| 1.00    | 64  | 47  | 36  | 61  | 46  | 35  | 57  | 44  | 34  |
| 1.25    | 65  | 47  | 35  | 62  | 46  | 34  | 56  | 43  | 32  |
| 1.50    | 66  | 48  | 34  | 63  | 46  | 33  | 57  | 42  | 31  |
| 2.00    | 68  | 49  | 34  | 64  | 47  | 32  | 57  | 42  | 30  |
| 2.50    | 69  | 49  | 33  | 65  | 46  | 31  | 57  | 42  | 29  |
| 3.00    | 70  | 50  | 33  | 65  | 47  | 31  | 57  | 42  | 28  |
| 4.00    | 71  | 51  | 33  | 66  | 48  | 31  | 58  | 42  | 28  |
| 5.00    | 72  | 52  | 33  | 67  | 48  | 31  | 58  | 42  | 28  |

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          | 1.07 | 1.04 | 1    | 1.05 | 1.02 | 0.99 | 1.01 | 0.98 | 0.96 | 0.97 | 0.95 | 0.93 | 0.93 | 0.92 | 0.9  |
| 2          | 0.96 | 0.9  | 0.85 | 0.94 | 0.89 | 0.84 | 0.91 | 0.86 | 0.82 | 0.87 | 0.84 | 0.81 | 0.85 | 0.82 | 0.79 |
| 3          | 0.86 | 0.79 | 0.74 | 0.85 | 0.78 | 0.73 | 0.82 | 0.76 | 0.72 | 0.79 | 0.75 | 0.71 | 0.77 | 0.73 | 0.7  |
| 4          | 0.78 | 0.7  | 0.64 | 0.77 | 0.7  | 0.64 | 0.74 | 0.68 | 0.63 | 0.72 | 0.67 | 0.62 | 0.7  | 0.65 | 0.62 |
| 5          | 0.71 | 0.63 | 0.57 | 0.7  | 0.62 | 0.57 | 0.68 | 0.61 | 0.56 | 0.66 | 0.6  | 0.56 | 0.64 | 0.59 | 0.55 |
| 6          | 0.65 | 0.57 | 0.51 | 0.64 | 0.56 | 0.51 | 0.62 | 0.55 | 0.5  | 0.6  | 0.54 | 0.5  | 0.59 | 0.54 | 0.5  |
| 7          | 0.59 | 0.51 | 0.46 | 0.58 | 0.51 | 0.46 | 0.57 | 0.5  | 0.45 | 0.56 | 0.5  | 0.45 | 0.54 | 0.49 | 0.45 |
| 8          | 0.55 | 0.47 | 0.42 | 0.54 | 0.47 | 0.42 | 0.53 | 0.46 | 0.41 | 0.51 | 0.45 | 0.41 | 0.5  | 0.45 | 0.41 |
| 9          | 0.51 | 0.43 | 0.38 | 0.5  | 0.43 | 0.38 | 0.49 | 0.42 | 0.38 | 0.48 | 0.42 | 0.38 | 0.47 | 0.41 | 0.37 |
| 10         | 0.47 | 0.4  | 0.35 | 0.46 | 0.4  | 0.35 | 0.46 | 0.39 | 0.35 | 0.45 | 0.39 | 0.35 | 0.44 | 0.38 | 0.34 |

Gama Angle Range:-90 - 90(Deg)

Gama interval(Deg): 1

Temperature(Deg): 25

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: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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          | 0.25 | 0.14 | 0.05 | 0.24 | 0.14 | 0.04 | 0.23 | 0.13 | 0.04 | 0.22 | 0.13 | 0.04 | 0.21 | 0.12 | 0.04 |
| 2          | 0.24 | 0.13 | 0.04 | 0.23 | 0.13 | 0.04 | 0.22 | 0.12 | 0.04 | 0.21 | 0.12 | 0.04 | 0.2  | 0.11 | 0.04 |
| 3          | 0.23 | 0.12 | 0.04 | 0.22 | 0.12 | 0.04 | 0.21 | 0.11 | 0.03 | 0.2  | 0.11 | 0.03 | 0.19 | 0.11 | 0.03 |
| 4          | 0.21 | 0.11 | 0.03 | 0.21 | 0.11 | 0.03 | 0.2  | 0.11 | 0.03 | 0.19 | 0.1  | 0.03 | 0.18 | 0.1  | 0.03 |
| 5          | 0.2  | 0.1  | 0.03 | 0.2  | 0.1  | 0.03 | 0.19 | 0.1  | 0.03 | 0.18 | 0.1  | 0.03 | 0.17 | 0.09 | 0.03 |
| 6          | 0.19 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.18 | 0.09 | 0.03 | 0.17 | 0.09 | 0.03 | 0.16 | 0.09 | 0.03 |
| 7          | 0.18 | 0.09 | 0.02 | 0.17 | 0.09 | 0.02 | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 |
| 8          | 0.17 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 |
| 9          | 0.16 | 0.08 | 0.02 | 0.15 | 0.08 | 0.02 | 0.15 | 0.07 | 0.02 | 0.15 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 |
| 10         | 0.15 | 0.07 | 0.02 | 0.15 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 | 0.14 | 0.07 | 0.02 | 0.13 | 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 | 0.13 | 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 | 0.06 | 0.09 | 0.06 | 0.04 | 0.05 | 0.04 | 0.02 | 0.02 | 0.01 | 0.01 |
| 5          | 0.14 | 0.09 | 0.05 | 0.12 | 0.08 | 0.04 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 | 0.02 | 0.02 | 0.01 | 0.01 |
| 6          | 0.13 | 0.08 | 0.04 | 0.11 | 0.07 | 0.04 | 0.08 | 0.05 | 0.03 | 0.05 | 0.03 | 0.02 | 0.01 | 0.01 | 0.01 |
| 7          | 0.13 | 0.07 | 0.04 | 0.11 | 0.06 | 0.03 | 0.08 | 0.04 | 0.02 | 0.04 | 0.03 | 0.01 | 0.01 | 0.01 | 0    |
| 8          | 0.12 | 0.07 | 0.03 | 0.1  | 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  | 0.05 | 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): 25

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: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | 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         | 12176 | 11428 | 10497 | 10202 | 10114 | 10916 | 12062 | 12678 | 0-5     | 268  | 268   |
| 10        | 12329 | 11819 | 9263  | 9685  | 9770  | 10388 | 11535 | 11832 | 5-10    | 794  | 1062  |
| 15        | 10637 | 11090 | 7707  | 9775  | 9972  | 9866  | 9721  | 10916 | 10-15   | 1230 | 2292  |
| 20        | 9462  | 9656  | 5606  | 9897  | 10450 | 9967  | 7537  | 10422 | 15-20   | 1570 | 3862  |
| 25        | 8543  | 7969  | 4612  | 9423  | 10422 | 9573  | 7382  | 9379  | 20-25   | 1842 | 5703  |
| 30        | 8742  | 5769  | 4092  | 8245  | 9946  | 8811  | 6371  | 8124  | 25-30   | 1990 | 7693  |
| 35        | 8005  | 4425  | 3661  | 6049  | 9283  | 7156  | 4957  | 7683  | 30-35   | 2054 | 9748  |
| 40        | 7097  | 3610  | 3050  | 4603  | 8807  | 5825  | 3696  | 6268  | 35-40   | 1955 | 11702 |
| 45        | 6050  | 2974  | 2285  | 3842  | 8085  | 4645  | 2780  | 4512  | 40-45   | 1808 | 13510 |
| 50        | 4689  | 2368  | 1615  | 3293  | 7481  | 3526  | 2143  | 2872  | 45-50   | 1593 | 15103 |
| 55        | 2989  | 1773  | 1280  | 2774  | 5753  | 2458  | 1430  | 1777  | 50-55   | 1302 | 16406 |
| 60        | 1559  | 1287  | 1225  | 2193  | 4298  | 1641  | 1023  | 1079  | 55-60   | 988  | 17394 |
| 65        | 803   | 896   | 1089  | 1609  | 2619  | 1109  | 682   | 609   | 60-65   | 718  | 18112 |
| 70        | 453   | 596   | 882   | 1095  | 1200  | 740   | 434   | 333   | 65-70   | 470  | 18582 |
| 75        | 223   | 367   | 1179  | 693   | 698   | 415   | 250   | 158   | 70-75   | 307  | 18889 |
| 80        | 40.8  | 153   | 1319  | 412   | 406   | 199   | 65.4  | 47.7  | 75-80   | 226  | 19116 |
| 85        | 35.2  | 33.6  | 328   | 219   | 175   | 66.8  | 39.3  | 53.7  | 80-85   | 121  | 19237 |
| 90        | 40.7  | 34.5  | 25.9  | 49.4  | 50.3  | 40.2  | 47.6  | 59    | 85-90   | 36.1 | 19273 |
| 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): 25

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: 2020-4-1

Remark:

|                                                                             |                       |                     |
|-----------------------------------------------------------------------------|-----------------------|---------------------|
| Measured Para U: 216.8V I: 813.0mA P: 175.50W PF: 0.995 Test LM: 19272.91lm |                       |                     |
| Lamp Name: LPSTL-200W                                                       | Lamp Type: CLASS I    | Weight(kg):         |
| Lamp ID:                                                                    | Lamp Spec: LPSTL-200W | Shape Size:         |
| Manufactory: LIPER                                                          | Sur(m <sup>2</sup> ): | 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       | 12k  | 12k  | 12k  | 11k  | 11k  | 10k  | 10k  | 10k  | 10k  | 10k  | 10k  | 11k  | 11k  | 12k  | 12k  | 12k  | 13k  | 12k  |
| 10.0      | 12k  | 12k  | 12k  | 11k  | 9822 | 9355 | 9546 | 9694 | 9733 | 9770 | 10k  | 10k  | 11k  | 11k  | 12k  | 12k  | 12k  | 12k  |
| 15.0      | 11k  | 11k  | 11k  | 9980 | 8447 | 8159 | 9096 | 9797 | 9886 | 9972 | 9925 | 9877 | 9818 | 9752 | 9982 | 11k  | 11k  | 11k  |
| 20.0      | 9462 | 9547 | 9635 | 8327 | 6492 | 6544 | 8489 | 9957 | 10k  | 10k  | 10k  | 10k  | 9169 | 8068 | 8168 | 9475 | 10k  | 9882 |
| 25.0      | 8543 | 8292 | 8032 | 6868 | 5347 | 5665 | 7845 | 9532 | 9985 | 10k  | 10k  | 9666 | 8854 | 7862 | 7819 | 8724 | 9288 | 8909 |
| 30.0      | 8742 | 7441 | 6094 | 5219 | 4459 | 5000 | 6882 | 8431 | 9202 | 9946 | 9449 | 8935 | 8010 | 6905 | 6755 | 7549 | 8192 | 8472 |
| 35.0      | 8005 | 6439 | 4816 | 4174 | 3828 | 4183 | 5265 | 6402 | 7868 | 9283 | 8352 | 7388 | 6434 | 5438 | 5553 | 6788 | 7718 | 7864 |
| 40.0      | 7097 | 5571 | 3991 | 3426 | 3172 | 3389 | 4093 | 5063 | 6968 | 8807 | 7503 | 6151 | 5126 | 4161 | 4258 | 5424 | 6359 | 6734 |
| 45.0      | 6050 | 4704 | 3311 | 2748 | 2436 | 2625 | 3331 | 4306 | 6229 | 8085 | 6580 | 5021 | 4033 | 3188 | 3159 | 3944 | 4680 | 5377 |
| 50.0      | 4689 | 3673 | 2622 | 2121 | 1780 | 1982 | 2742 | 3751 | 5649 | 7481 | 5751 | 3959 | 3072 | 2445 | 2302 | 2632 | 3070 | 3894 |
| 55.0      | 2989 | 2457 | 1906 | 1611 | 1388 | 1607 | 2284 | 3100 | 4449 | 5753 | 4311 | 2818 | 2121 | 1655 | 1506 | 1663 | 1910 | 2459 |
| 60.0      | 1559 | 1440 | 1317 | 1267 | 1239 | 1437 | 1876 | 2423 | 3377 | 4298 | 3136 | 1932 | 1438 | 1158 | 1035 | 1060 | 1131 | 1349 |
| 65.0      | 803  | 844  | 886  | 959  | 1047 | 1203 | 1439 | 1720 | 2178 | 2619 | 1959 | 1275 | 969  | 775  | 666  | 633  | 630  | 718  |
| 70.0      | 453  | 516  | 581  | 690  | 820  | 929  | 1025 | 1107 | 1154 | 1200 | 999  | 790  | 639  | 501  | 412  | 366  | 346  | 400  |
| 75.0      | 223  | 286  | 351  | 633  | 1001 | 1073 | 853  | 694  | 696  | 698  | 574  | 446  | 361  | 286  | 230  | 188  | 165  | 195  |
| 80.0      | 40.8 | 90   | 141  | 536  | 1064 | 1121 | 709  | 411  | 408  | 406  | 315  | 221  | 155  | 94.5 | 61.5 | 53.5 | 46.9 | 43.8 |
| 85.0      | 35.2 | 34.5 | 33.8 | 130  | 264  | 304  | 255  | 214  | 194  | 175  | 128  | 78.7 | 57.8 | 45.3 | 42.4 | 49   | 51.7 | 43.3 |
| 90.0      | 40.7 | 38   | 35.2 | 31.7 | 27.8 | 31   | 41.7 | 49.5 | 49.9 | 50.3 | 45.9 | 41.3 | 42.6 | 46   | 50.1 | 55.2 | 57   | 48.7 |
| 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): 25

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: 2020-4-1

Remark: