# Luminaire Property

Luminaire: 149-350

Report NO.:

Test NO.:

Lamp: CREE XP-E2 7C1-Q5 3000K

Sum Lumens: 520.5 lm

Number of Lamps: 3

Diameter: 200mm

Length: mm

Photometric Type: Type C

Voltage: 221.1 V

Current: 0.041 A

Power: 8.4 W

Power Factor: 0.919

Ballast Type: GLP08WTRG700-P

Width: 200mm

Height: mm

Remark: TTN40D

# Photometric Results

Lumens: 437.27 lm

Efficiency: 50.8453 lm/W

Central Intensity: 3894.187cd

Maximum Intensity: 3946.768cd

Beam Angle(10%): Left: -16.3 Right:15.2

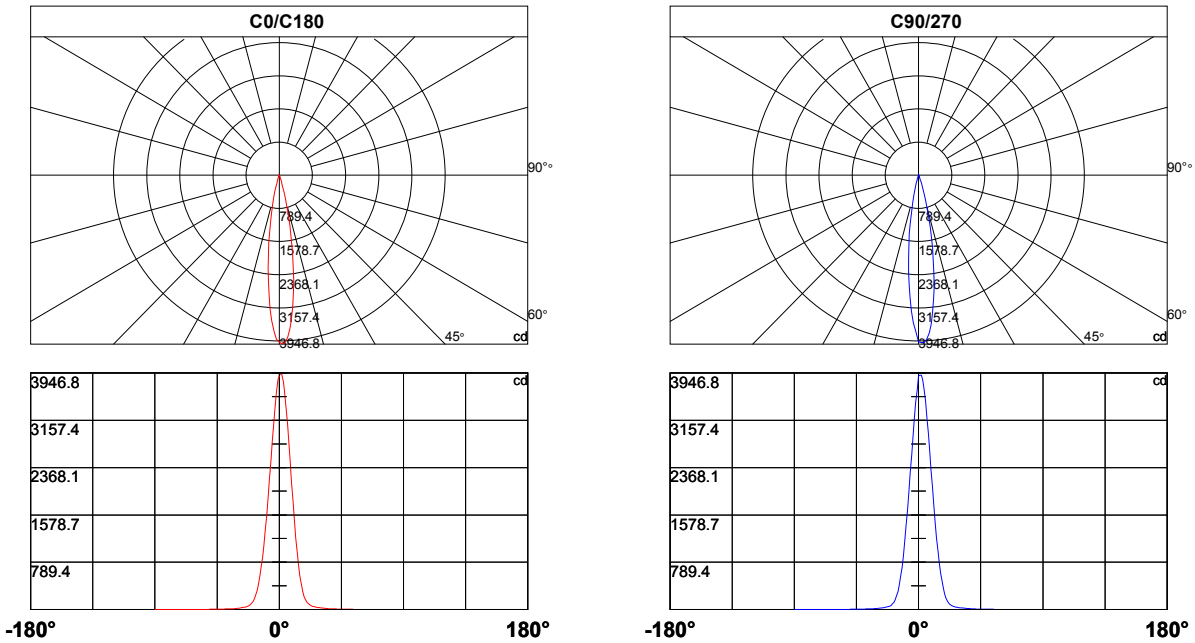
Angle of maximum intensity: C:0.0 G:1.0

Half Peak Side Angle(50%): Left: -8.7 Right:8.5

Light Out Rate(LOR) : 84.0096%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%



## Photometric Data Table [cd]

| C\G | 0.0 | 1.0 | 2.0 | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 8.0 | 9.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 3894.2 | 3946.8 | 3915.9 | 3794.2 | 3596.0 | 3363.7 | 3075.9 | 2766.1 | 2467.9 | 2121.1 |
| **45.0** | 3894.2 | 3909.6 | 3913.3 | 3835.6 | 3689.8 | 3480.8 | 3214.5 | 2932.8 | 2646.3 | 2330.9 |
| **90.0** | 3894.2 | 3909.6 | 3913.3 | 3835.6 | 3689.8 | 3480.8 | 3214.5 | 2932.8 | 2646.3 | 2330.9 |
| **135.0** | 3894.2 | 3840.1 | 3633.4 | 3396.7 | 3134.2 | 2809.4 | 2496.7 | 2176.6 | 1875.8 | 1586.8 |
| **180.0** | 3894.2 | 3840.1 | 3633.4 | 3396.7 | 3134.2 | 2809.4 | 2496.7 | 2176.6 | 1875.8 | 1586.8 |
| **225.0** | 3894.2 | 3663.0 | 3455.8 | 3189.7 | 2897.4 | 2593.9 | 2280.0 | 1968.3 | 1675.9 | 1395.8 |
| **270.0** | 3894.2 | 3663.0 | 3455.8 | 3189.7 | 2897.4 | 2593.9 | 2280.0 | 1968.3 | 1675.9 | 1395.8 |
| **315.0** | 3894.2 | 3946.8 | 3915.9 | 3794.2 | 3596.0 | 3363.7 | 3075.9 | 2766.1 | 2467.9 | 2121.1 |
| **360.0** | 3894.2 | 3946.8 | 3915.9 | 3794.2 | 3596.0 | 3363.7 | 3075.9 | 2766.1 | 2467.9 | 2121.1 |

| C\G | 10.0 | 11.0 | 12.0 | 13.0 | 14.0 | 15.0 | 16.0 | 17.0 | 18.0 | 19.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 1797.2 | 1500.9 | 1200.3 | 951.7 | 739.4 | 561.4 | 418.1 | 304.6 | 219.7 | 161.3 |
| **45.0** | 2023.5 | 1728.0 | 1452.0 | 1200.9 | 974.8 | 772.0 | 608.9 | 463.8 | 343.3 | 250.2 |
| **90.0** | 2023.5 | 1728.0 | 1452.0 | 1200.9 | 974.8 | 772.0 | 608.9 | 463.8 | 343.3 | 250.2 |
| **135.0** | 1324.3 | 1086.5 | 883.8 | 704.7 | 551.9 | 423.9 | 320.9 | 239.0 | 177.5 | 132.8 |
| **180.0** | 1324.3 | 1086.5 | 883.8 | 704.7 | 551.9 | 423.9 | 320.9 | 239.0 | 177.5 | 132.8 |
| **225.0** | 1143.2 | 902.2 | 709.8 | 551.5 | 413.5 | 300.9 | 221.9 | 159.4 | 116.5 | 87.6 |
| **270.0** | 1143.2 | 902.2 | 709.8 | 551.5 | 413.5 | 300.9 | 221.9 | 159.4 | 116.5 | 87.6 |
| **315.0** | 1797.2 | 1500.9 | 1200.3 | 951.7 | 739.4 | 561.4 | 418.1 | 304.6 | 219.7 | 161.3 |
| **360.0** | 1797.2 | 1500.9 | 1200.3 | 951.7 | 739.4 | 561.4 | 418.1 | 304.6 | 219.7 | 161.3 |

| C\G | 20.0 | 21.0 | 22.0 | 23.0 | 24.0 | 25.0 | 26.0 | 27.0 | 28.0 | 29.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 120.7 | 95.1 | 76.2 | 63.5 | 54.0 | 47.9 | 41.6 | 36.7 | 33.2 | 29.8 |
| **45.0** | 184.1 | 133.9 | 101.1 | 78.7 | 65.5 | 54.0 | 47.5 | 40.5 | 35.4 | 31.6 |
| **90.0** | 184.1 | 133.9 | 101.1 | 78.7 | 65.5 | 54.0 | 47.5 | 40.5 | 35.4 | 31.6 |
| **135.0** | 100.5 | 76.7 | 61.3 | 52.6 | 43.6 | 39.6 | 33.9 | 29.4 | 25.2 | 22.0 |
| **180.0** | 100.5 | 76.7 | 61.3 | 52.6 | 43.6 | 39.6 | 33.9 | 29.4 | 25.2 | 22.0 |
| **225.0** | 67.2 | 55.1 | 47.9 | 40.9 | 36.8 | 32.0 | 28.7 | 25.0 | 22.5 | 19.8 |
| **270.0** | 67.2 | 55.1 | 47.9 | 40.9 | 36.8 | 32.0 | 28.7 | 25.0 | 22.5 | 19.8 |
| **315.0** | 120.7 | 95.1 | 76.2 | 63.5 | 54.0 | 47.9 | 41.6 | 36.7 | 33.2 | 29.8 |
| **360.0** | 120.7 | 95.1 | 76.2 | 63.5 | 54.0 | 47.9 | 41.6 | 36.7 | 33.2 | 29.8 |

| C\G | 30.0 | 31.0 | 32.0 | 33.0 | 34.0 | 35.0 | 36.0 | 37.0 | 38.0 | 39.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 27.4 | 23.9 | 21.8 | 19.4 | 17.3 | 15.2 | 13.2 | 12.0 | 11.0 | 9.4 |
| **45.0** | 26.7 | 25.6 | 23.3 | 20.9 | 18.7 | 16.4 | 14.9 | 13.9 | 12.0 | 10.4 |
| **90.0** | 26.7 | 25.6 | 23.3 | 20.9 | 18.7 | 16.4 | 14.9 | 13.9 | 12.0 | 10.4 |
| **135.0** | 19.0 | 16.4 | 15.2 | 12.5 | 11.7 | 10.4 | 10.3 | 9.5 | 8.7 | 7.5 |
| **180.0** | 19.0 | 16.4 | 15.2 | 12.5 | 11.7 | 10.4 | 10.3 | 9.5 | 8.7 | 7.5 |
| **225.0** | 17.1 | 15.6 | 13.8 | 12.1 | 10.1 | 10.0 | 9.1 | 8.6 | 7.7 | 6.7 |
| **270.0** | 17.1 | 15.6 | 13.8 | 12.1 | 10.1 | 10.0 | 9.1 | 8.6 | 7.7 | 6.7 |
| **315.0** | 27.4 | 23.9 | 21.8 | 19.4 | 17.3 | 15.2 | 13.2 | 12.0 | 11.0 | 9.4 |
| **360.0** | 27.4 | 23.9 | 21.8 | 19.4 | 17.3 | 15.2 | 13.2 | 12.0 | 11.0 | 9.4 |

## Photometric Data Table [cd]

| C\G | 40.0 | 41.0 | 42.0 | 43.0 | 44.0 | 45.0 | 46.0 | 47.0 | 48.0 | 49.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 8.6 | 7.6 | 6.7 | 6.7 | 5.7 | 5.7 | 4.9 | 4.5 | 4.1 | 3.9 |
| **45.0** | 9.1 | 8.4 | 6.9 | 5.9 | 5.9 | 5.6 | 4.3 | 3.6 | 3.5 | 3.4 |
| **90.0** | 9.1 | 8.4 | 6.9 | 5.9 | 5.9 | 5.6 | 4.3 | 3.6 | 3.5 | 3.4 |
| **135.0** | 7.0 | 6.5 | 5.6 | 5.7 | 4.5 | 4.5 | 3.8 | 3.5 | 3.4 | 3.2 |
| **180.0** | 7.0 | 6.5 | 5.6 | 5.7 | 4.5 | 4.5 | 3.8 | 3.5 | 3.4 | 3.2 |
| **225.0** | 6.2 | 6.3 | 5.3 | 4.8 | 4.2 | 3.9 | 3.6 | 3.5 | 3.2 | 3.2 |
| **270.0** | 6.2 | 6.3 | 5.3 | 4.8 | 4.2 | 3.9 | 3.6 | 3.5 | 3.2 | 3.2 |
| **315.0** | 8.6 | 7.6 | 6.7 | 6.7 | 5.7 | 5.7 | 4.9 | 4.5 | 4.1 | 3.9 |
| **360.0** | 8.6 | 7.6 | 6.7 | 6.7 | 5.7 | 5.7 | 4.9 | 4.5 | 4.1 | 3.9 |

| C\G | 50.0 | 51.0 | 52.0 | 53.0 | 54.0 | 55.0 | 56.0 | 57.0 | 58.0 | 59.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 3.5 | 3.4 | 2.8 | 2.8 | 2.1 | 1.9 | 1.7 | 1.3 | 1.5 | 1.4 |
| **45.0** | 3.2 | 3.0 | 2.7 | 2.7 | 2.8 | 2.0 | 2.0 | 1.7 | 2.0 | 1.3 |
| **90.0** | 3.2 | 3.0 | 2.7 | 2.7 | 2.8 | 2.0 | 2.0 | 1.7 | 2.0 | 1.3 |
| **135.0** | 2.7 | 2.4 | 2.5 | 2.4 | 1.7 | 1.5 | 1.4 | 1.5 | 1.3 | 1.1 |
| **180.0** | 2.7 | 2.4 | 2.5 | 2.4 | 1.7 | 1.5 | 1.4 | 1.5 | 1.3 | 1.1 |
| **225.0** | 2.5 | 2.1 | 1.8 | 1.5 | 1.5 | 1.4 | 1.5 | 1.6 | 1.7 | 1.5 |
| **270.0** | 2.5 | 2.1 | 1.8 | 1.5 | 1.5 | 1.4 | 1.5 | 1.6 | 1.7 | 1.5 |
| **315.0** | 3.5 | 3.4 | 2.8 | 2.8 | 2.1 | 1.9 | 1.7 | 1.3 | 1.5 | 1.4 |
| **360.0** | 3.5 | 3.4 | 2.8 | 2.8 | 2.1 | 1.9 | 1.7 | 1.3 | 1.5 | 1.4 |

| C\G | 60.0 | 61.0 | 62.0 | 63.0 | 64.0 | 65.0 | 66.0 | 67.0 | 68.0 | 69.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 1.3 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 |
| **45.0** | 1.1 | 1.2 | 1.3 | 0.8 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.7 |
| **90.0** | 1.1 | 1.2 | 1.3 | 0.8 | 0.7 | 0.7 | 0.8 | 0.8 | 0.8 | 0.7 |
| **135.0** | 1.1 | 1.1 | 1.0 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 | 1.0 | 0.7 |
| **180.0** | 1.1 | 1.1 | 1.0 | 0.8 | 0.8 | 0.7 | 0.8 | 0.9 | 1.0 | 0.7 |
| **225.0** | 1.3 | 1.1 | 1.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.7 | 0.7 |
| **270.0** | 1.3 | 1.1 | 1.0 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.7 | 0.7 |
| **315.0** | 1.3 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 |
| **360.0** | 1.3 | 1.1 | 0.8 | 0.8 | 0.8 | 0.8 | 0.7 | 0.6 | 0.5 | 0.4 |

| C\G | 70.0 | 71.0 | 72.0 | 73.0 | 74.0 | 75.0 | 76.0 | 77.0 | 78.0 | 79.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 |
| **45.0** | 0.6 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 |
| **90.0** | 0.6 | 0.5 | 0.4 | 0.4 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 |
| **135.0** | 0.7 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| **180.0** | 0.7 | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 |
| **225.0** | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 |
| **270.0** | 0.6 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.5 | 0.4 | 0.4 |
| **315.0** | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 |
| **360.0** | 0.5 | 0.6 | 0.6 | 0.4 | 0.4 | 0.4 | 0.3 | 0.3 | 0.3 | 0.2 |

## Photometric Data Table [cd]

| C\G | 80.0 | 81.0 | 82.0 | 83.0 | 84.0 | 85.0 | 86.0 | 87.0 | 88.0 | 89.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| **0.0** | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| **45.0** | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.4 | 0.3 | 0.3 | 0.2 |
| **90.0** | 0.4 | 0.3 | 0.3 | 0.4 | 0.5 | 0.6 | 0.4 | 0.3 | 0.3 | 0.2 |
| **135.0** | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 |
| **180.0** | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 0.4 | 0.3 |
| **225.0** | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 |
| **270.0** | 0.4 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.1 | 0.2 | 0.2 | 0.4 |
| **315.0** | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |
| **360.0** | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 |

| C\G | 90.0 |
|---|---|
| **0.0** | 0.0 |
| **45.0** | 0.1 |
| **90.0** | 0.1 |
| **135.0** | 0.3 |
| **180.0** | 0.3 |
| **225.0** | 0.1 |
| **270.0** | 0.1 |
| **315.0** | 0.0 |
| **360.0** | 0.0 |

## Zonal Flux Distribution

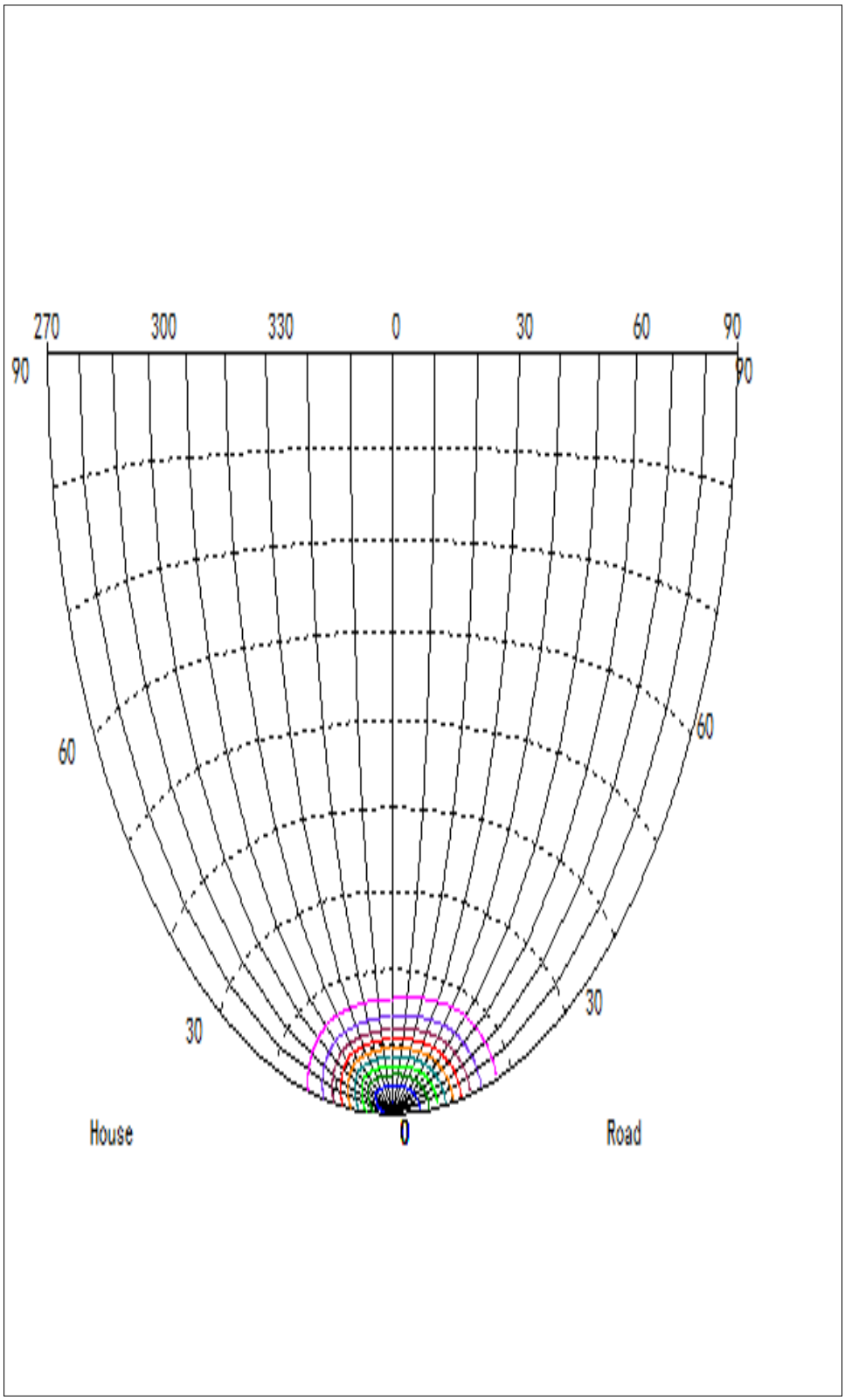
| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Flux [lm] | Zonal Flux [%] | Sum Flux [%] |
|---|---|---|---|---|---|
| **0** | 3894.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| **1** | 3839.87 | 3.70 | 3.70 | 0.71 | 0.71 |
| **2** | 3729.59 | 10.86 | 14.57 | 2.09 | 2.80 |
| **3** | 3554.06 | 17.42 | 31.99 | 3.35 | 6.15 |
| **4** | 3329.35 | 23.04 | 55.03 | 4.43 | 10.57 |
| **5** | 3061.94 | 27.49 | 82.52 | 5.28 | 15.85 |
| **6** | 2766.78 | 30.63 | 113.15 | 5.89 | 21.74 |
| **7** | 2460.97 | 32.45 | 145.60 | 6.23 | 27.97 |
| **8** | 2166.49 | 33.12 | 178.72 | 6.36 | 34.34 |
| **9** | 1858.64 | 32.62 | 211.34 | 6.27 | 40.60 |
| **10** | 1572.06 | 31.05 | 242.39 | 5.96 | 46.57 |
| **11** | 1304.41 | 28.74 | 271.13 | 5.52 | 52.09 |
| **12** | 1061.49 | 25.86 | 296.99 | 4.97 | 57.06 |
| **13** | 852.17 | 22.71 | 319.70 | 4.36 | 61.42 |
| **14** | 669.86 | 19.48 | 339.18 | 3.74 | 65.16 |
| **15** | 514.53 | 16.26 | 355.44 | 3.12 | 68.29 |
| **16** | 392.45 | 13.29 | 368.73 | 2.55 | 70.84 |
| **17** | 291.68 | 10.65 | 379.39 | 2.05 | 72.89 |
| **18** | 214.25 | 8.34 | 387.73 | 1.60 | 74.49 |
| **19** | 157.96 | 6.48 | 394.20 | 1.24 | 75.74 |
| **20** | 118.12 | 5.05 | 399.26 | 0.97 | 76.71 |
| **21** | 90.23 | 4.00 | 403.26 | 0.77 | 77.48 |
| **22** | 71.60 | 3.25 | 406.51 | 0.62 | 78.10 |
| **23** | 58.92 | 2.74 | 409.25 | 0.53 | 78.63 |
| **24** | 49.95 | 2.38 | 411.63 | 0.46 | 79.08 |
| **25** | 43.38 | 2.12 | 413.75 | 0.41 | 79.49 |
| **26** | 37.91 | 1.92 | 415.67 | 0.37 | 79.86 |
| **27** | 32.88 | 1.73 | 417.40 | 0.33 | 80.19 |
| **28** | 29.06 | 1.57 | 418.97 | 0.30 | 80.49 |
| **29** | 25.82 | 1.44 | 420.41 | 0.28 | 80.77 |
| **30** | 22.55 | 1.31 | 421.71 | 0.25 | 81.02 |
| **31** | 20.38 | 1.19 | 422.91 | 0.23 | 81.25 |
| **32** | 18.51 | 1.11 | 424.02 | 0.21 | 81.46 |
| **33** | 16.24 | 1.02 | 425.04 | 0.20 | 81.66 |
| **34** | 14.43 | 0.93 | 425.97 | 0.18 | 81.84 |
| **35** | 13.00 | 0.85 | 426.82 | 0.16 | 82.00 |
| **36** | 11.87 | 0.79 | 427.62 | 0.15 | 82.15 |
| **37** | 10.98 | 0.75 | 428.36 | 0.14 | 82.30 |
| **38** | 9.84 | 0.70 | 429.06 | 0.13 | 82.43 |
| **39** | 8.50 | 0.63 | 429.68 | 0.12 | 82.55 |
| **40** | 7.73 | 0.57 | 430.25 | 0.11 | 82.66 |

## Zonal Flux Distribution

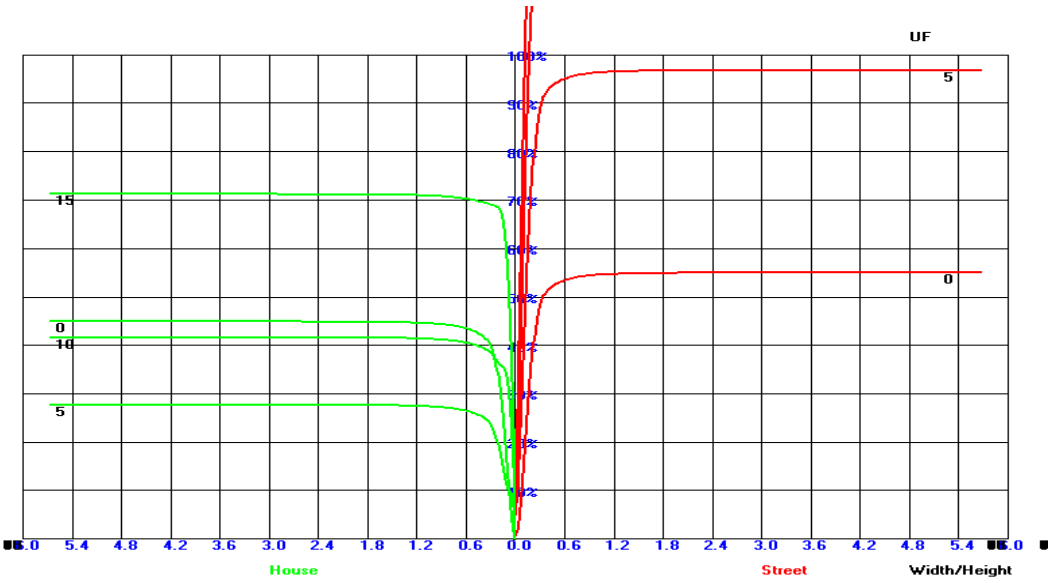
| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Flux [lm] | Zonal Flux [%] | Sum Flux [%] |
|---|---|---|---|---|---|
| **41** | 7.20 | 0.53 | 430.78 | 0.10 | 82.76 |
| **42** | 6.15 | 0.48 | 431.26 | 0.09 | 82.86 |
| **43** | 5.80 | 0.44 | 431.71 | 0.08 | 82.94 |
| **44** | 5.09 | 0.41 | 432.12 | 0.08 | 83.02 |
| **45** | 4.95 | 0.39 | 432.50 | 0.07 | 83.09 |
| **46** | 4.18 | 0.36 | 432.86 | 0.07 | 83.16 |
| **47** | 3.79 | 0.32 | 433.18 | 0.06 | 83.22 |
| **48** | 3.55 | 0.30 | 433.47 | 0.06 | 83.28 |
| **49** | 3.45 | 0.29 | 433.76 | 0.06 | 83.34 |
| **50** | 2.99 | 0.27 | 434.03 | 0.05 | 83.39 |
| **51** | 2.71 | 0.24 | 434.27 | 0.05 | 83.43 |
| **52** | 2.46 | 0.22 | 434.49 | 0.04 | 83.48 |
| **53** | 2.37 | 0.21 | 434.70 | 0.04 | 83.52 |
| **54** | 2.01 | 0.19 | 434.90 | 0.04 | 83.55 |
| **55** | 1.70 | 0.17 | 435.06 | 0.03 | 83.59 |
| **56** | 1.65 | 0.15 | 435.21 | 0.03 | 83.61 |
| **57** | 1.52 | 0.14 | 435.36 | 0.03 | 83.64 |
| **58** | 1.61 | 0.14 | 435.50 | 0.03 | 83.67 |
| **59** | 1.32 | 0.14 | 435.64 | 0.03 | 83.70 |
| **60** | 1.20 | 0.12 | 435.76 | 0.02 | 83.72 |
| **61** | 1.15 | 0.11 | 435.87 | 0.02 | 83.74 |
| **62** | 1.01 | 0.10 | 435.98 | 0.02 | 83.76 |
| **63** | 0.84 | 0.09 | 436.07 | 0.02 | 83.78 |
| **64** | 0.79 | 0.08 | 436.15 | 0.02 | 83.79 |
| **65** | 0.75 | 0.08 | 436.22 | 0.01 | 83.81 |
| **66** | 0.75 | 0.08 | 436.30 | 0.01 | 83.82 |
| **67** | 0.72 | 0.07 | 436.37 | 0.01 | 83.84 |
| **68** | 0.75 | 0.07 | 436.45 | 0.01 | 83.85 |
| **69** | 0.63 | 0.07 | 436.52 | 0.01 | 83.86 |
| **70** | 0.58 | 0.06 | 436.58 | 0.01 | 83.88 |
| **71** | 0.50 | 0.06 | 436.63 | 0.01 | 83.89 |
| **72** | 0.47 | 0.05 | 436.68 | 0.01 | 83.90 |
| **73** | 0.41 | 0.05 | 436.73 | 0.01 | 83.91 |
| **74** | 0.46 | 0.05 | 436.78 | 0.01 | 83.91 |
| **75** | 0.43 | 0.05 | 436.82 | 0.01 | 83.92 |
| **76** | 0.34 | 0.04 | 436.86 | 0.01 | 83.93 |
| **77** | 0.36 | 0.04 | 436.90 | 0.01 | 83.94 |
| **78** | 0.33 | 0.04 | 436.94 | 0.01 | 83.95 |
| **79** | 0.33 | 0.04 | 436.97 | 0.01 | 83.95 |
| **80** | 0.28 | 0.03 | 437.01 | 0.01 | 83.96 |
| **81** | 0.23 | 0.03 | 437.03 | 0.01 | 83.96 |

## Zonal Flux Distribution

| Gamma [°] | Imean [cd] | Zonal Flux [lm] | Sum Flux [lm] | Zonal Flux [%] | Sum Flux [%] |
|---|---|---|---|---|---|
| **82** | 0.23 | 0.03 | 437.06 | 0.00 | 83.97 |
| **83** | 0.28 | 0.03 | 437.09 | 0.01 | 83.97 |
| **84** | 0.29 | 0.03 | 437.12 | 0.01 | 83.98 |
| **85** | 0.29 | 0.03 | 437.15 | 0.01 | 83.99 |
| **86** | 0.22 | 0.03 | 437.18 | 0.01 | 83.99 |
| **87** | 0.23 | 0.02 | 437.20 | 0.00 | 84.00 |
| **88** | 0.22 | 0.02 | 437.23 | 0.00 | 84.00 |
| **89** | 0.20 | 0.02 | 437.25 | 0.00 | 84.01 |
| **90** | 0.13 | 0.02 | 437.27 | 0.00 | 84.01 |

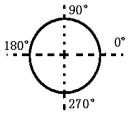

270
300
330
0
30
60
90
90
90
60
60
30
30
House
0
Road
394.6768 cd
789.3536 cd
1184.03 cd
1578.707 cd
1973.384 cd
2368.061 cd
2762.738 cd
3157.415 cd
3552.091 cd
3946.768 cd

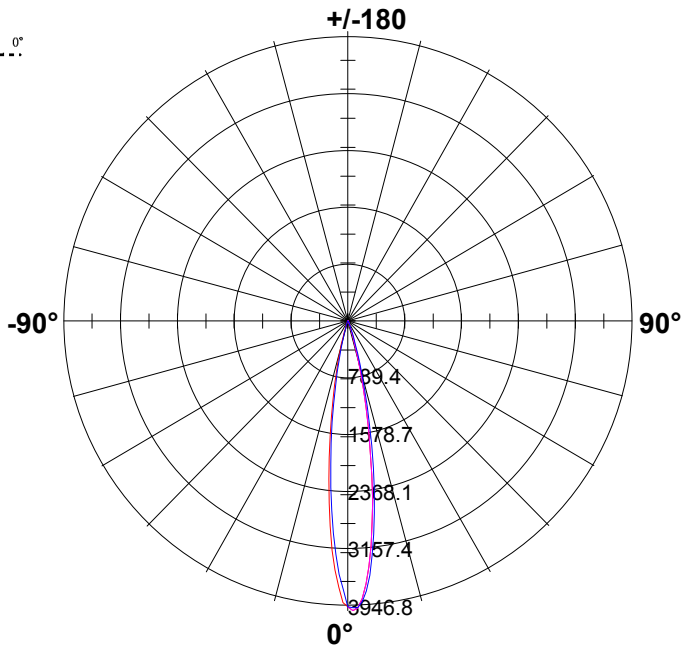
## Coefficient Utilization Curve

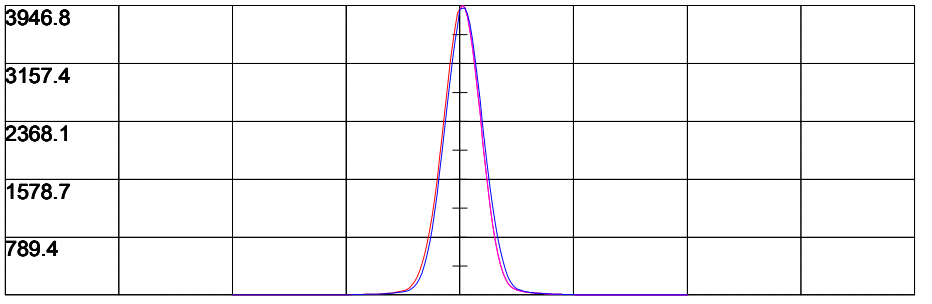


## Light Distribution Curve [Unit: cd]

Luminaire



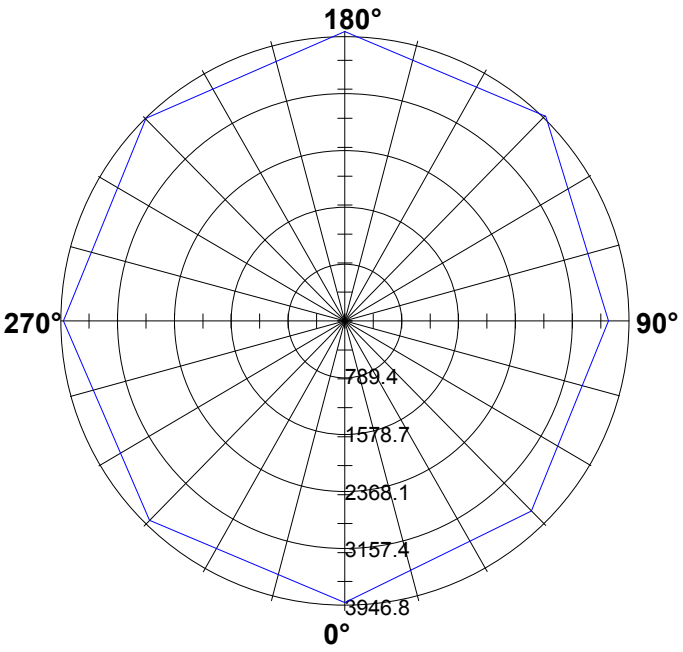



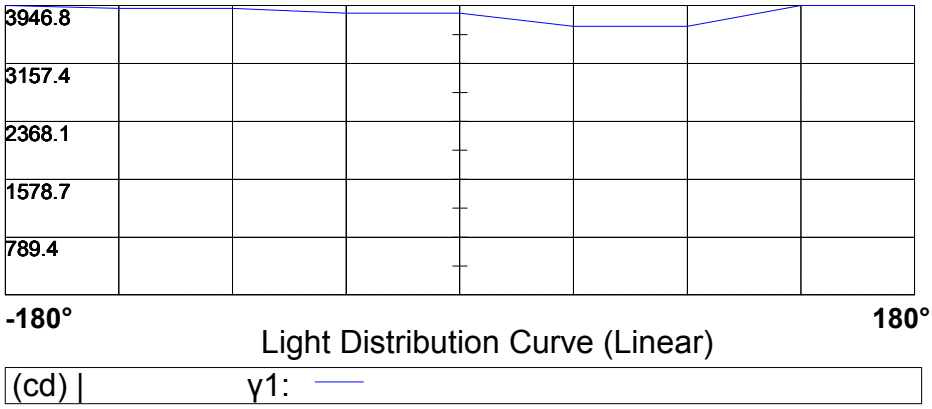




Light Distribution Curve (Linear)

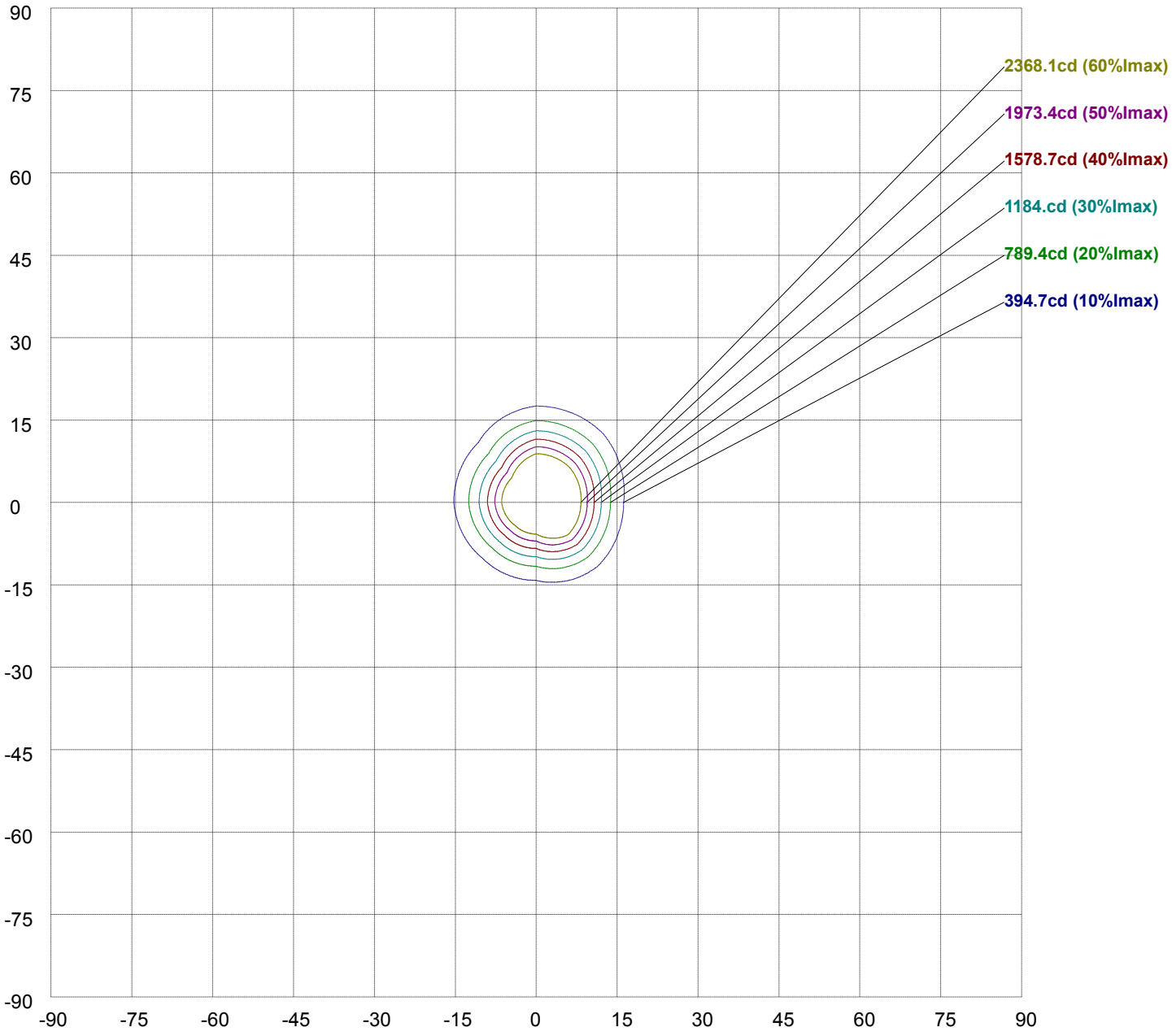
(cd) | C0/C180: C90/C270: C0:

## Max Plane Light Distribution Curve [Unit: cd]

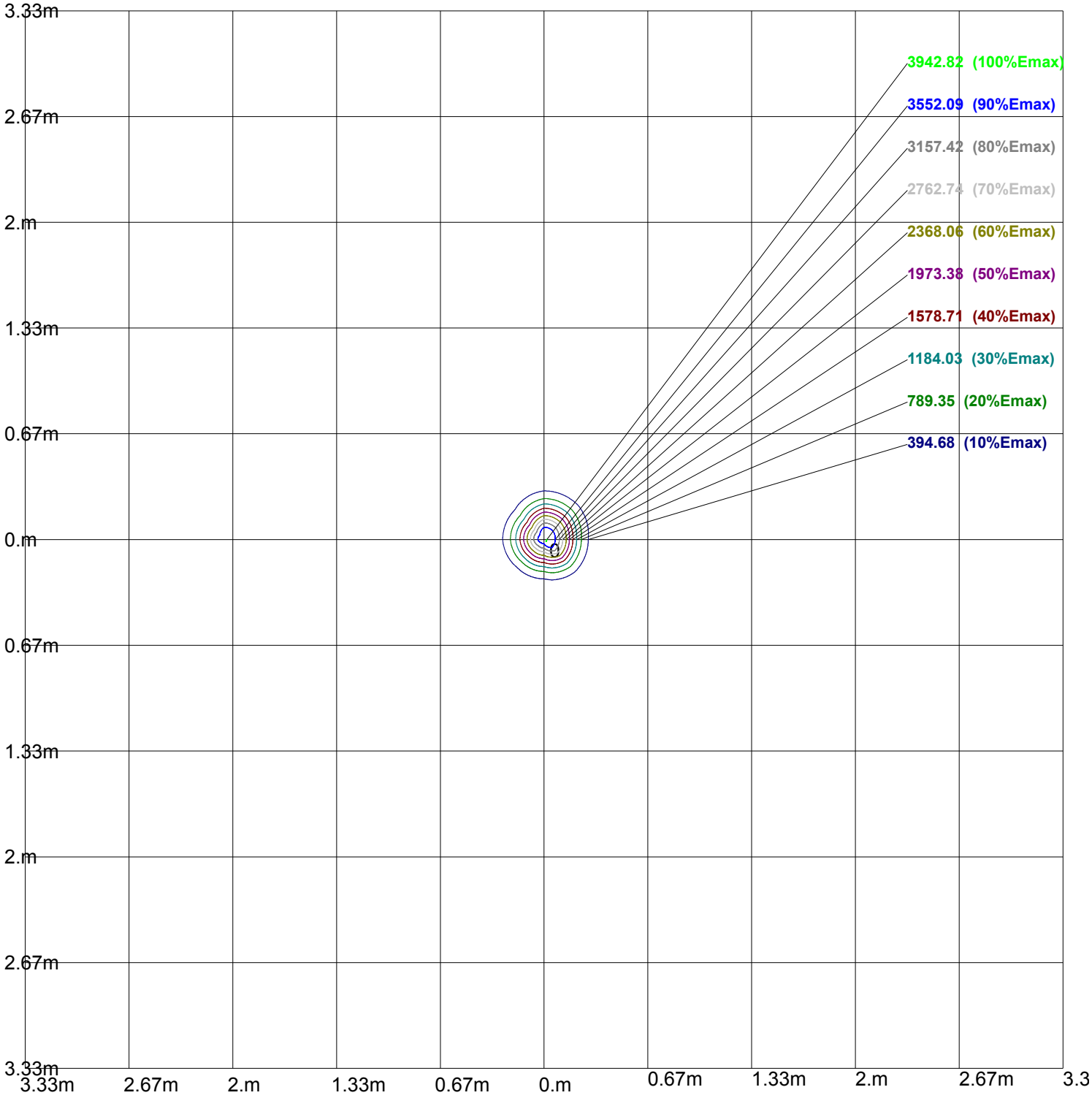


# V-H [cd]

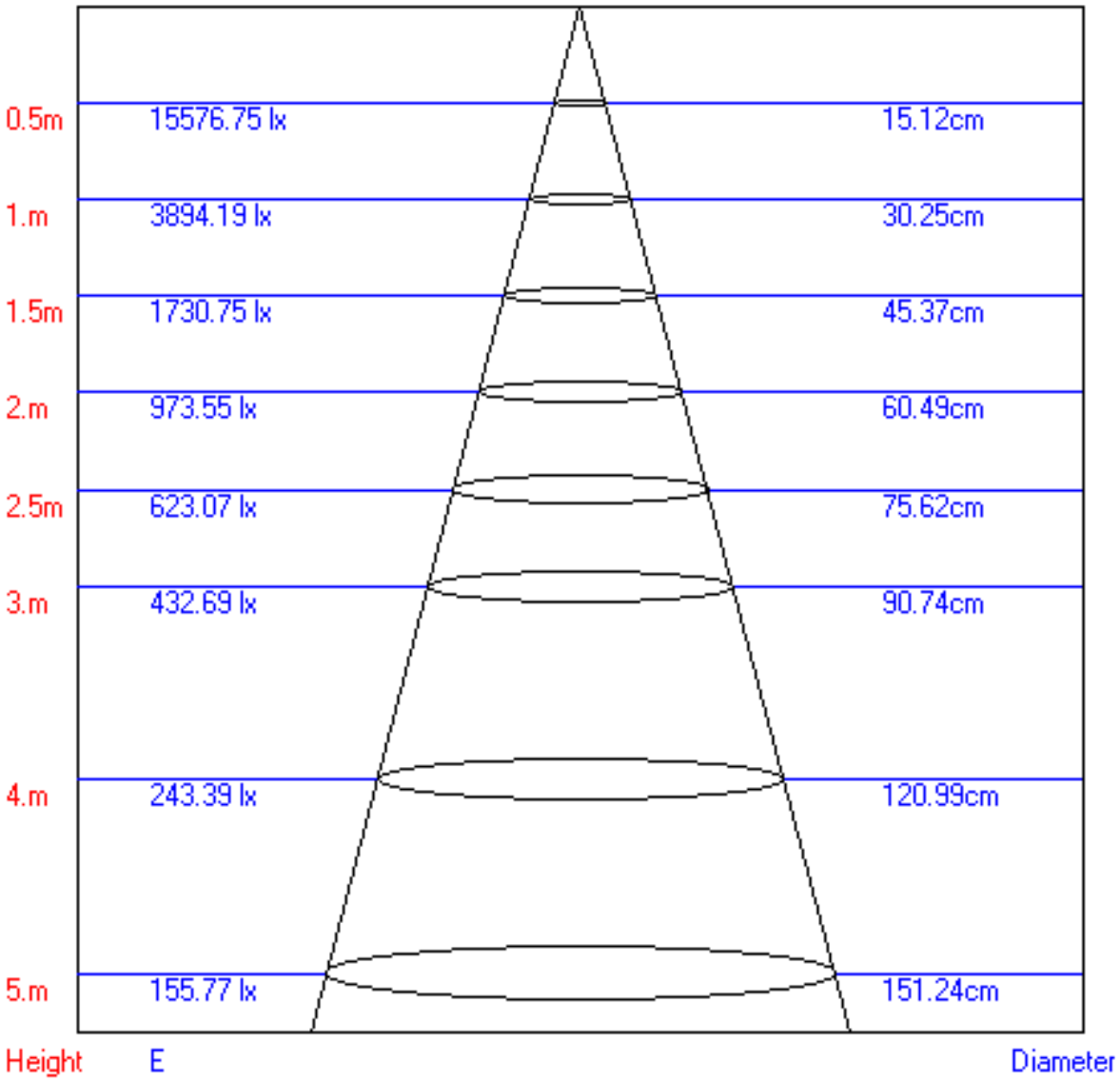

90
75
60
45
30
15
0
-15
-30
-45
-60
-75
-90
-90
-75
-60
-45
-30
-15
0
15
30
45
60
75
90
2368.1cd (60%Imax)
1973.4cd (50%Imax)
1578.7cd (40%Imax)
1184.cd (30%Imax)
789.4cd (20%Imax)
394.7cd (10%Imax)

Iso-Lux[lx]




Height: 1 m
Max Illuminance : 3946.77lx

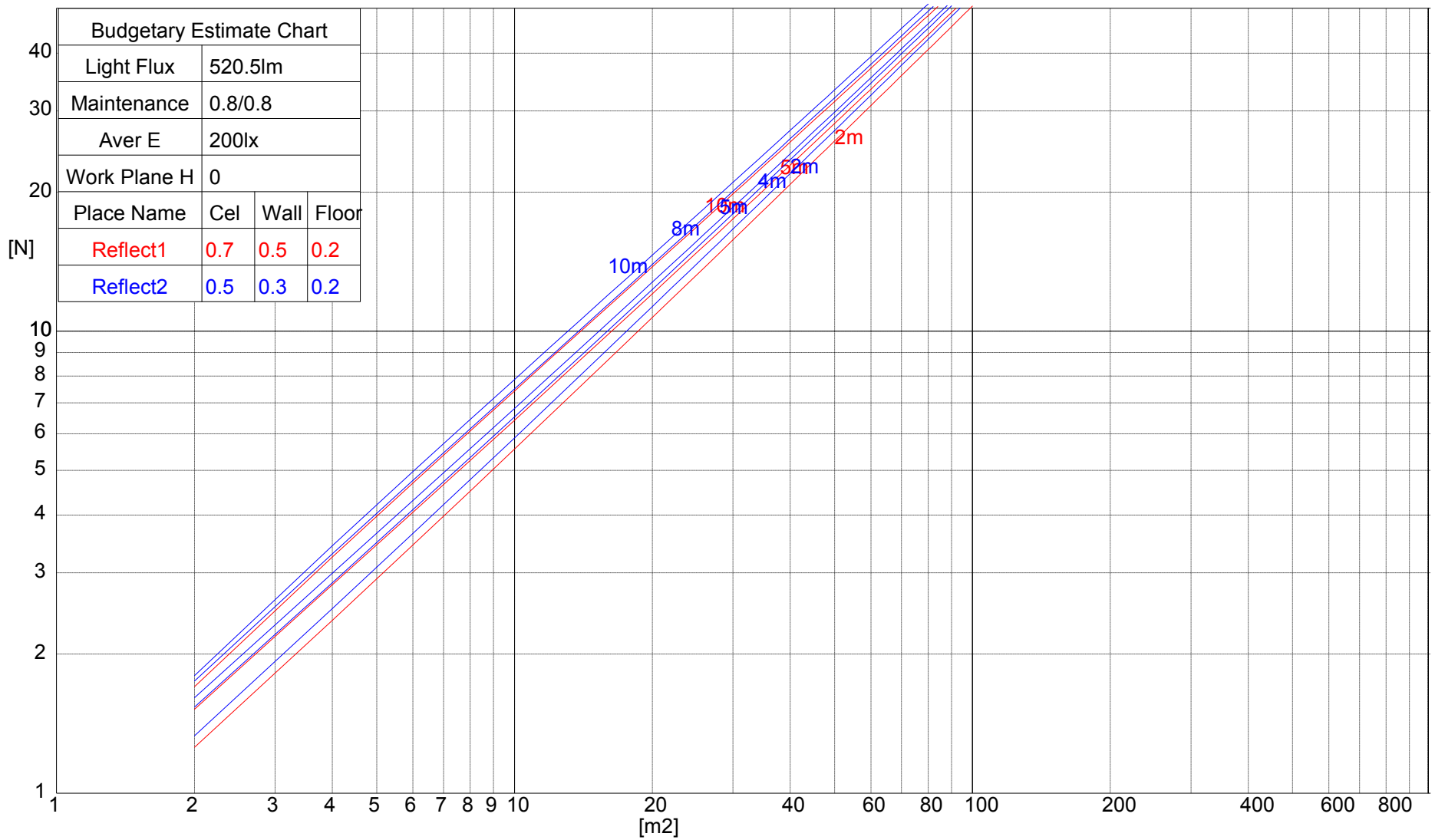
Lux-Distance Curve




Beam Angle:17.20°

Utilization Coefficient Table

| RHOCC | 80 | | | 70 | | | 50 | | | 30 | | | 10 | | | 0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RHOW | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | COEFFCIENTS OF UTILIZATION FOR RHOFC=20 | | | | | | | | | | | | | | | |
| 0 | 1.00 | 1.00 | 1.00 | 0.98 | 0.98 | 0.98 | 0.93 | 0.93 | 0.93 | 0.89 | 0.89 | 0.89 | 0.86 | 0.86 | 0.86 | 0.84 |
| 1 | 0.99 | 0.99 | 0.99 | 0.98 | 0.97 | 0.97 | 0.94 | 0.93 | 0.93 | 0.89 | 0.88 | 0.88 | 0.83 | 0.82 | 0.81 | 0.77 |
| 2 | 0.97 | 0.96 | 0.96 | 0.95 | 0.95 | 0.94 | 0.91 | 0.91 | 0.90 | 0.87 | 0.86 | 0.85 | 0.81 | 0.80 | 0.79 | 0.75 |
| 3 | 0.95 | 0.94 | 0.94 | 0.93 | 0.92 | 0.92 | 0.89 | 0.88 | 0.87 | 0.85 | 0.84 | 0.83 | 0.80 | 0.79 | 0.77 | 0.74 |
| 4 | 0.93 | 0.92 | 0.92 | 0.91 | 0.90 | 0.90 | 0.87 | 0.86 | 0.85 | 0.84 | 0.82 | 0.81 | 0.79 | 0.77 | 0.76 | 0.72 |
| 5 | 0.91 | 0.90 | 0.90 | 0.89 | 0.88 | 0.88 | 0.86 | 0.84 | 0.84 | 0.82 | 0.80 | 0.79 | 0.78 | 0.76 | 0.74 | 0.71 |
| 6 | 0.89 | 0.89 | 0.88 | 0.88 | 0.87 | 0.86 | 0.84 | 0.83 | 0.82 | 0.80 | 0.79 | 0.77 | 0.76 | 0.74 | 0.73 | 0.70 |
| 7 | 0.88 | 0.87 | 0.87 | 0.86 | 0.85 | 0.85 | 0.83 | 0.81 | 0.80 | 0.79 | 0.77 | 0.76 | 0.75 | 0.73 | 0.71 | 0.68 |
| 8 | 0.86 | 0.86 | 0.85 | 0.85 | 0.84 | 0.83 | 0.81 | 0.80 | 0.79 | 0.78 | 0.76 | 0.75 | 0.74 | 0.72 | 0.70 | 0.67 |
| 9 | 0.85 | 0.84 | 0.84 | 0.83 | 0.82 | 0.82 | 0.80 | 0.79 | 0.78 | 0.77 | 0.75 | 0.73 | 0.73 | 0.71 | 0.69 | 0.66 |
| 10 | 0.83 | 0.83 | 0.83 | 0.82 | 0.81 | 0.81 | 0.79 | 0.77 | 0.76 | 0.75 | 0.74 | 0.72 | 0.72 | 0.70 | 0.68 | 0.65 |


Budgetary Estimate Chart
Light Flux 520.5lm
Maintenance 0.8/0.8
Aver E 200lx
Work Plane H 0
Place Name Cel Wall Floor
Reflect1 0.7 0.5 0.2
Reflect2 0.5 0.3 0.2
[N]
[m2]
2m
5m
4m
5m
8m
10m