## Luminaria

| | |
|---|---|
| Código | 37802327189U |
| Nombre | KANDO P111 2200K BROWN TEKA WHITE RIBBON |
| Familia | KANDO |

## Ensayo

| | |
|---|---|
| Código | CL092A24D019GP |
| Nombre | KANDO P111 2200K BROWN TEKA WHITE RIBBON |

## Datos Fuente de luz

| | | | | | |
|---|---|---|---|---|---|
| Código | 37802327189U | Temp. de Color Correlacionada (TCP) | 2166K | Cant. | 1 |
| Nombre | Cree J Series 2835 3-V | Índice repr. Cromática (CRI) | 93 | | |
| Familia | | | | | |

## Datos del Ensayo

| | | | |
|---|---|---|---|
| Sist. de Coorden. | CG | Tipo de Simetría | Bisimétrico |
| Fecha | 11-12-2024 | Máximo Ángulo Gamma | 180° |
| Distancia de Ensayo | 6.49m | Flujo de Ensayo | 1437.0 lm |
| Máximo | 579.98 cd/klm | Posición | C=0.0° G=7.5° |
| Notas | RM24120401 | | |

## Parám. Eléctricos

| | | | |
|---|---|---|---|
| Canal 1 | | Canal 2 | |
| Tensión | 0.00 V | Tensión | 0.00 V |
| Corriente | 0.00 A | Corriente | 0.00 A |
| Potencia | 35.10 W | Potencia | 0.00 W |
| Frecuencia | 0 Hz | Frecuencia | 0 Hz |
| Factor de Potencia | 0.00 | Factor de Potencia | 0.00 |

## Parámetros Ambientales

| | | | |
|---|---|---|---|
| Temperatura | 24.6 °C | Velocidad del Aire | 0.0 m/s |
| Humedad | 29.0 % | | |

## Dim. de la Luminaria

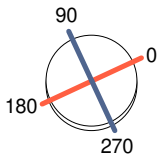
| | | | | | |
|---|---|---|---|---|---|
| Luminaria Redonda | Diam. | 490 mm | Altura | 1110 mm | |
| Área Luminosa Redonda | Diam. | 410 mm | Altura | 810 mm | |
| Área Luminosa Horizontal | 0.132025 m2 | | Área Emisión sobre Pl. 180° | 0.332100 m2 | |
| Área Emisión sobre Pl. 0° | 0.332100 m2 | | Área Emisión sobre Pl. 270° | 0.332100 m2 | |
| Área Emisión sobre Pl. 90° | 0.332100 m2 | | Área de deslumbramiento a 76° | 0.354175 m2 | |

## Análisis Fotométrico

| | | | |
|---|---|---|---|
| Flujo Luminaria | 1437.0 lm | Flujo Fuente | 1437.0 lm |
| Eficacia | 40.940 lm/W | Eficiencia | 100.0 % |
| Códigos de Flujo C.I.E. | 47 67 84 69 100 | D DIN 5040 | B31 |
| F UTE | 0.69 E + 0.31 T | B NBN | BZ 4 / 0.8 / BZ 5 / 2.5 / BZ 6 |



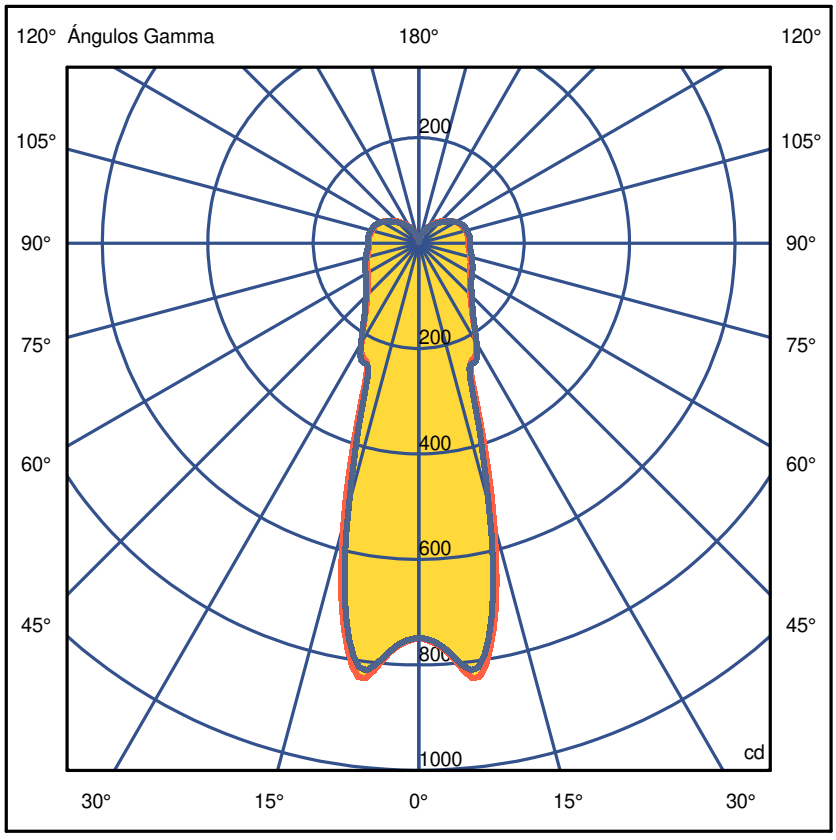
Diam=490mm







ULOR 31.01 %
DLOR 68.99 %
RN 31.01 %



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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1437 lm | Potencia Luminaria | 35.1 W | Eficacia | 40.940 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

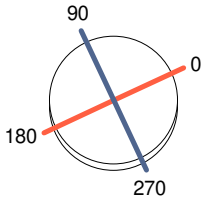
**Tabla de Intensidad Luminosa cd** **Tabla 1/1**

| | C 0.00 | C 15.00 | C 30.00 | C 45.00 | C 60.00 | C 75.00 | C 90.00 |
|---|---|---|---|---|---|---|---|
| G 0.0 | 748 | 748 | 748 | 748 | 748 | 748 | 748 |
| G 2.5 | 761 | 762 | 763 | 763 | 762 | 759 | 758 |
| G 5.0 | 794 | 795 | 797 | 799 | 796 | 792 | 790 |
| G 7.5 | 833 | 832 | 830 | 827 | 821 | 816 | 816 |
| G 10.0 | 781 | 780 | 776 | 770 | 766 | 763 | 762 |
| G 12.5 | 681 | 674 | 663 | 655 | 651 | 652 | 653 |
| G 15.0 | 553 | 549 | 542 | 533 | 523 | 516 | 512 |
| G 17.5 | 427 | 425 | 421 | 413 | 404 | 394 | 392 |
| G 20.0 | 319 | 319 | 315 | 309 | 303 | 299 | 297 |
| G 22.5 | 256 | 255 | 253 | 251 | 251 | 251 | 251 |
| G 25.0 | 243 | 244 | 245 | 246 | 248 | 249 | 249 |
| G 27.5 | 236 | 237 | 238 | 238 | 239 | 239 | 240 |
| G 30.0 | 217 | 219 | 219 | 219 | 219 | 219 | 219 |
| G 32.5 | 197 | 199 | 199 | 199 | 199 | 199 | 199 |
| G 35.0 | 180 | 181 | 182 | 182 | 182 | 182 | 183 |
| G 37.5 | 166 | 167 | 168 | 168 | 169 | 169 | 169 |
| G 40.0 | 155 | 156 | 157 | 157 | 158 | 158 | 159 |
| G 42.5 | 146 | 146 | 147 | 148 | 149 | 149 | 149 |
| G 45.0 | 138 | 139 | 140 | 140 | 141 | 142 | 142 |
| G 47.5 | 132 | 132 | 133 | 134 | 135 | 135 | 136 |
| G 50.0 | 126 | 127 | 128 | 128 | 129 | 130 | 130 |
| G 52.5 | 122 | 122 | 123 | 124 | 125 | 125 | 126 |
| G 55.0 | 118 | 118 | 119 | 120 | 121 | 122 | 122 |
| G 57.5 | 115 | 115 | 116 | 117 | 118 | 118 | 119 |
| G 60.0 | 112 | 113 | 113 | 114 | 115 | 116 | 116 |
| G 62.5 | 110 | 110 | 111 | 112 | 113 | 114 | 114 |
| G 65.0 | 108 | 108 | 109 | 110 | 111 | 112 | 113 |
| G 67.5 | 106 | 106 | 107 | 108 | 109 | 110 | 110 |
| G 70.0 | 104 | 105 | 106 | 107 | 107 | 108 | 108 |
| G 72.5 | 103 | 103 | 104 | 105 | 105 | 106 | 106 |
| G 75.0 | 101 | 101 | 102 | 103 | 104 | 104 | 104 |
| G 77.5 | 99 | 100 | 100 | 101 | 102 | 102 | 102 |
| G 80.0 | 98 | 98 | 99 | 100 | 100 | 101 | 101 |
| G 82.5 | 96 | 96 | 97 | 98 | 99 | 99 | 99 |
| G 85.0 | 94 | 95 | 96 | 96 | 97 | 97 | 97 |
| G 87.5 | 94 | 94 | 95 | 96 | 96 | 97 | 97 |
| G 90.0 | 94 | 95 | 96 | 96 | 97 | 97 | 97 |
| G 92.5 | 95 | 95 | 96 | 96 | 97 | 97 | 97 |
| G 95.0 | 95 | 95 | 96 | 96 | 97 | 97 | 97 |
| G 97.5 | 95 | 95 | 95 | 96 | 96 | 97 | 97 |
| G100.0 | 94 | 94 | 95 | 95 | 96 | 96 | 96 |
| G102.5 | 93 | 93 | 94 | 94 | 95 | 95 | 95 |
| G105.0 | 92 | 92 | 92 | 93 | 93 | 94 | 94 |
| G107.5 | 91 | 91 | 91 | 92 | 92 | 93 | 93 |
| G110.0 | 90 | 90 | 90 | 91 | 91 | 91 | 92 |
| G112.5 | 88 | 88 | 89 | 89 | 90 | 90 | 90 |
| G115.0 | 86 | 87 | 87 | 88 | 87 | 87 | 87 |
| G117.5 | 84 | 84 | 85 | 85 | 85 | 84 | 84 |
| G120.0 | 81 | 81 | 82 | 82 | 81 | 81 | 80 |
| G122.5 | 77 | 78 | 79 | 79 | 78 | 77 | 76 |
| G125.0 | 74 | 75 | 75 | 75 | 74 | 72 | 72 |
| G127.5 | 70 | 71 | 71 | 71 | 70 | 68 | 67 |
| G130.0 | 66 | 67 | 68 | 67 | 66 | 64 | 63 |
| G132.5 | 62 | 63 | 64 | 63 | 62 | 60 | 59 |
| G135.0 | 59 | 59 | 60 | 59 | 58 | 56 | 55 |
| G137.5 | 55 | 55 | 56 | 56 | 54 | 52 | 51 |
| G140.0 | 51 | 52 | 52 | 51 | 50 | 48 | 48 |
| G142.5 | 47 | 48 | 48 | 48 | 46 | 45 | 44 |
| G145.0 | 43 | 44 | 44 | 44 | 42 | 41 | 41 |
| G147.5 | 39 | 40 | 40 | 40 | 39 | 38 | 37 |
| G150.0 | 35 | 36 | 36 | 36 | 35 | 34 | 34 |
| G152.5 | 32 | 32 | 32 | 32 | 31 | 31 | 31 |
| G155.0 | 28 | 28 | 28 | 28 | 28 | 27 | 27 |
| G157.5 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| G160.0 | 20 | 20 | 20 | 20 | 20 | 21 | 21 |
| G162.5 | 17 | 17 | 17 | 17 | 17 | 17 | 18 |
| G165.0 | 13 | 13 | 14 | 14 | 14 | 14 | 14 |
| G167.5 | 10 | 10 | 11 | 11 | 11 | 11 | 11 |
| G170.0 | 8 | 8 | 8 | 8 | 8 | 8 | 9 |
| G172.5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 |
| G175.0 | 3 | 3 | 3 | 3 | 4 | 4 | 4 |
| G177.5 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| G180.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

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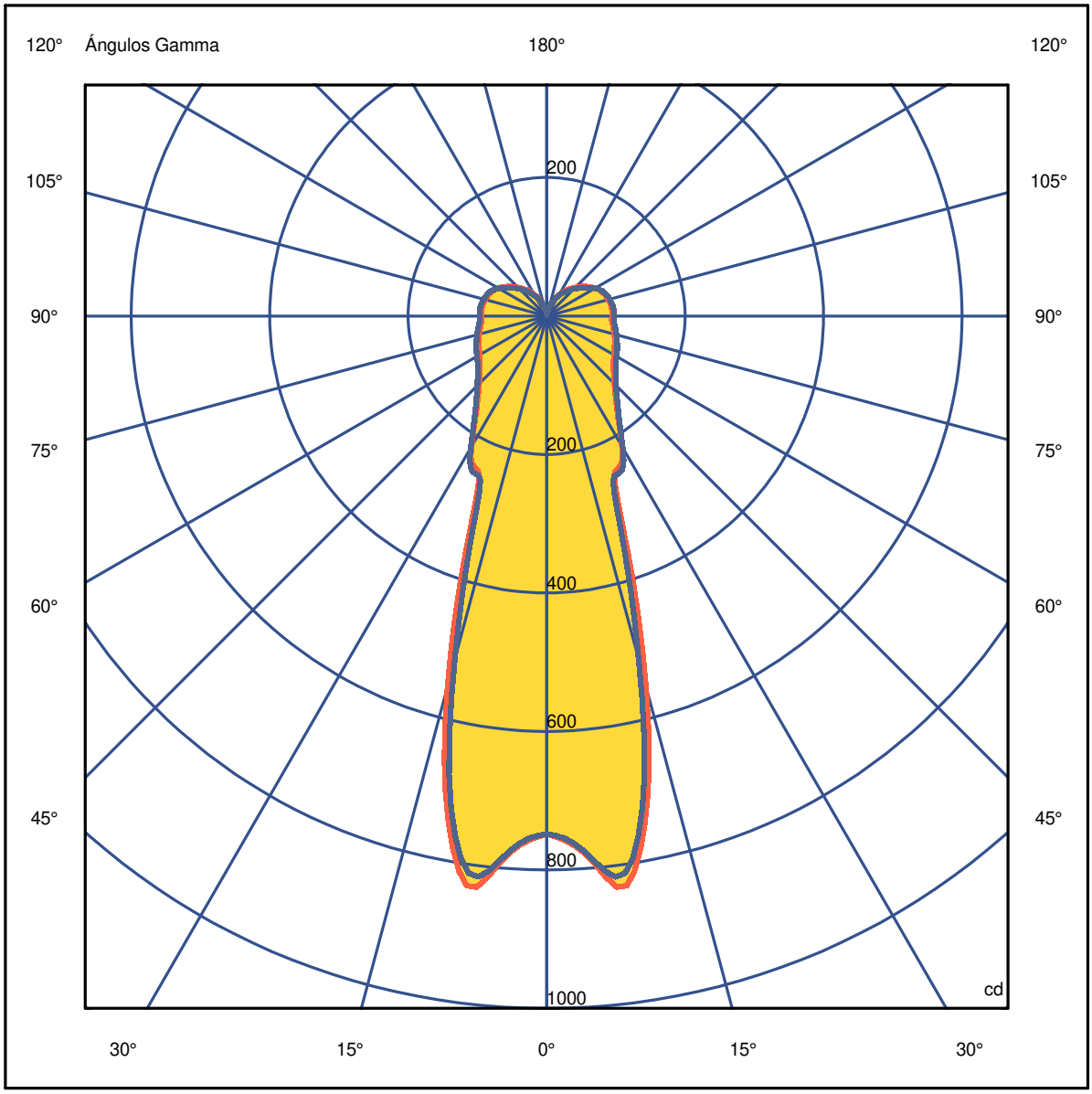
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1437 lm | Potencia Luminaria | 35.1 W | Eficacia | 40.940 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

Diam=490mm




Semiplanos C

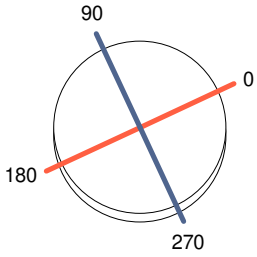


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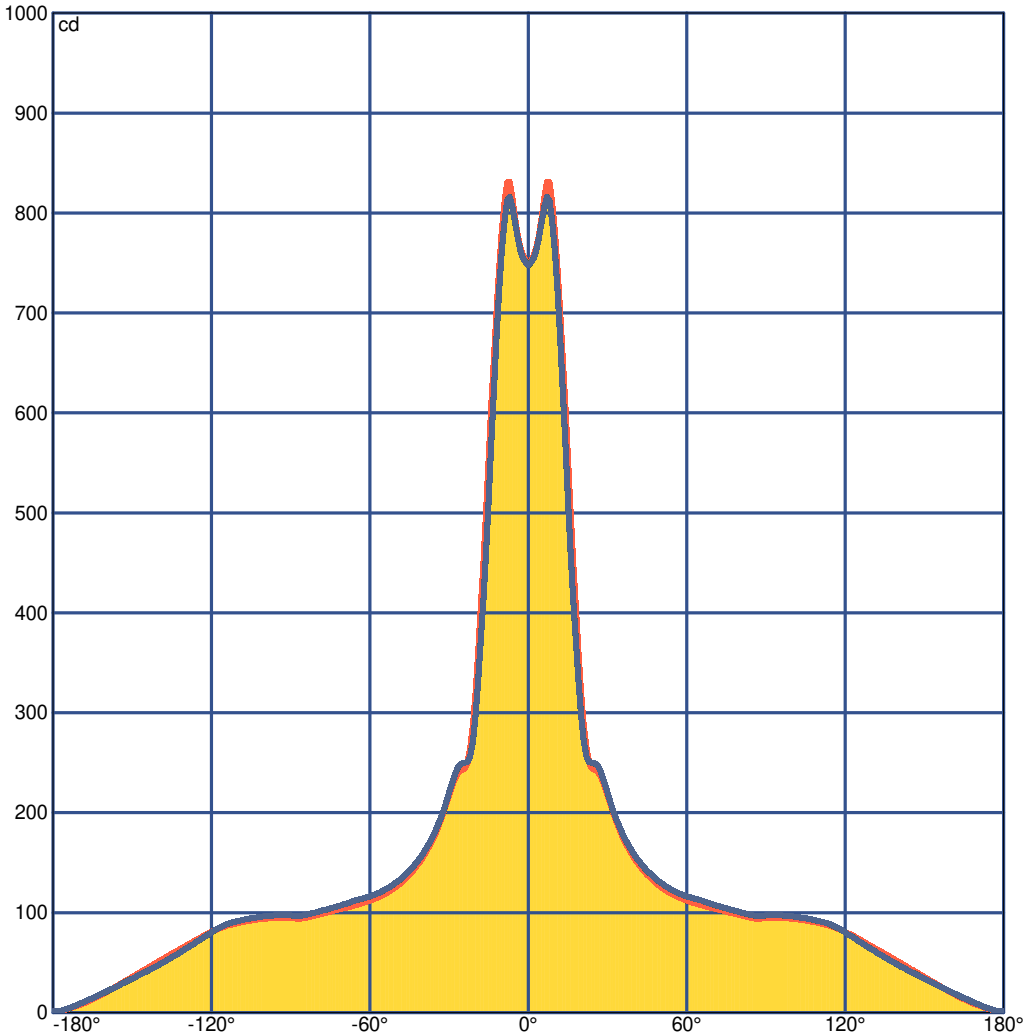
| | | | | | | | |
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Semiplanos C



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| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

**UGR**
S = 0.250

| Reflectancias | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Techo/Cavidad | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 | 0.7 | 0.7 | 0.5 | 0.5 | 0.3 |
| Paredes | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 | 0.5 | 0.3 | 0.5 | 0.3 | 0.3 |
| PDT | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| | | | | | | | | | | |
| Dimensiones del Loca | Vista Lateral | | | | | Vista Longitudinal | | | | |
| x=2H y=2H | 5.9 | 6.9 | 6.6 | 7.6 | 8.4 | 6.0 | 7.0 | 6.7 | 7.7 | 8.5 |
| x=2H y=3H | 7.8 | 8.7 | 8.5 | 9.4 | 10.3 | 8.0 | 8.9 | 8.7 | 9.6 | 10.5 |
| x=2H y=4H | 8.8 | 9.7 | 9.6 | 10.4 | 11.3 | 9.0 | 9.9 | 9.8 | 10.6 | 11.5 |
| x=2H y=6H | 9.9 | 10.7 | 10.6 | 11.4 | 12.3 | 10.1 | 10.8 | 10.8 | 11.6 | 12.5 |
| x=2H y=8H | 10.4 | 11.1 | 11.1 | 11.9 | 12.8 | 10.6 | 11.3 | 11.3 | 12.1 | 13.0 |
| x=2H y=12H | 10.9 | 11.6 | 11.6 | 12.4 | 13.3 | 11.1 | 11.8 | 11.8 | 12.6 | 13.5 |
| x=4H y=2H | 6.5 | 7.4 | 7.3 | 8.1 | 9.0 | 6.7 | 7.5 | 7.4 | 8.3 | 9.1 |
| x=4H y=3H | 8.7 | 9.4 | 9.5 | 10.2 | 11.2 | 8.9 | 9.6 | 9.6 | 10.4 | 11.3 |
| x=4H y=4H | 9.9 | 10.6 | 10.7 | 11.4 | 12.3 | 10.1 | 10.7 | 10.9 | 11.5 | 12.5 |
| x=4H y=6H | 11.1 | 11.7 | 11.9 | 12.5 | 13.5 | 11.3 | 11.9 | 12.1 | 12.7 | 13.7 |
| x=4H y=8H | 11.7 | 12.2 | 12.5 | 13.1 | 14.1 | 11.9 | 12.4 | 12.7 | 13.2 | 14.2 |
| x=4H y=12H | 12.3 | 12.8 | 13.1 | 13.6 | 14.6 | 12.5 | 13.0 | 13.3 | 13.8 | 14.8 |
| x=8H y=4H | 10.4 | 10.9 | 11.2 | 11.7 | 12.7 | 10.5 | 11.0 | 11.3 | 11.9 | 12.9 |
| x=8H y=6H | 11.8 | 12.3 | 12.7 | 13.1 | 14.2 | 12.0 | 12.4 | 12.8 | 13.3 | 14.3 |
| x=8H y=8H | 12.6 | 13.0 | 13.4 | 13.8 | 14.9 | 12.7 | 13.1 | 13.6 | 14.0 | 15.0 |
| x=8H y=12H | 13.3 | 13.7 | 14.2 | 14.5 | 15.6 | 13.5 | 13.8 | 14.3 | 14.7 | 15.8 |
| x=12H y=4H | 10.4 | 10.9 | 11.3 | 11.8 | 12.8 | 10.6 | 11.1 | 11.4 | 11.9 | 12.9 |
| x=12H y=6H | 12.0 | 12.4 | 12.8 | 13.2 | 14.3 | 12.1 | 12.5 | 13.0 | 13.4 | 14.4 |
| x=12H y=8H | 12.8 | 13.2 | 13.7 | 14.0 | 15.1 | 12.9 | 13.3 | 13.8 | 14.2 | 15.3 |

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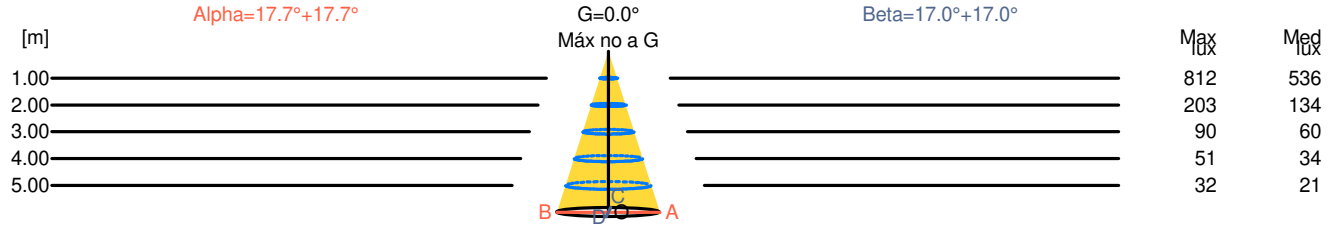
| | | | | | | | |
|---|---|---|---|---|---|---|---|
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| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

Apertura a 50.00 % de Max Intensidad

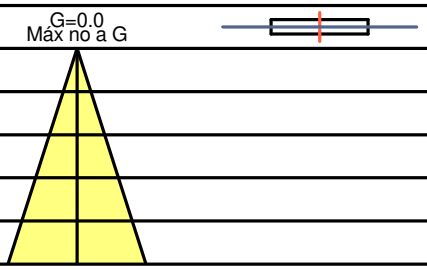
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| OA | 0.32 | 0.64 | 0.96 | 1.28 | 1.60 | OC | 0.31 | 0.61 | 0.92 | 1.22 | 1.53 |
| OB | 0.32 | 0.64 | 0.96 | 1.28 | 1.60 | OD | 0.31 | 0.61 | 0.92 | 1.22 | 1.53 |

Intensidades Luminosas [ cd]

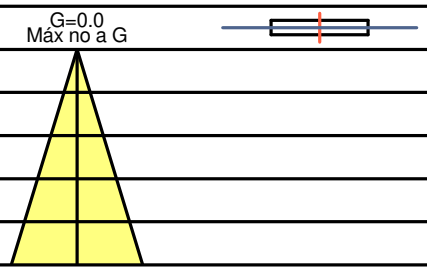
| | 0 | 5 | 15 | 25 | 35 | 45 | 55 | 65 | 75 | 85 |
|---|---|---|---|---|---|---|---|---|---|---|
| OA | 747.74 | 793.92 | 553.08 | 242.95 | 179.93 | 137.96 | 117.67 | 107.78 | 100.91 | 94.45 |
| OB | 747.74 | 793.92 | 553.08 | 242.95 | 179.93 | 137.96 | 117.67 | 107.78 | 100.91 | 94.45 |
| OC | 747.74 | 790.02 | 512.44 | 249.45 | 182.82 | 141.86 | 121.79 | 112.52 | 104.19 | 97.40 |
| OD | 747.74 | 790.02 | 512.44 | 249.45 | 182.82 | 141.86 | 121.79 | 112.52 | 104.19 | 97.40 |




| H[m] | D[m] | Max lux | Med lux | Alpha=17.7°+17.7° |
|---|---|---|---|---|
| 1.00 | 0.64 | 812 | 536 | |
| 2.00 | 1.28 | 203 | 134 | |
| 3.00 | 1.92 | 90 | 60 | |
| 4.00 | 2.56 | 51 | 34 | |
| 5.00 | 3.20 | 32 | 21 | |




| H[m] | D[m] | Max lux | Med lux | Beta=17.0°+17.0° |
|---|---|---|---|---|
| 1.00 | 0.61 | 812 | 536 | |
| 2.00 | 1.22 | 203 | 134 | |
| 3.00 | 1.83 | 90 | 60 | |
| 4.00 | 2.44 | 51 | 34 | |
| 5.00 | 3.05 | 32 | 21 | |



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| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

Flujo Total=1437.00 Flujo Luminaria=1437.00

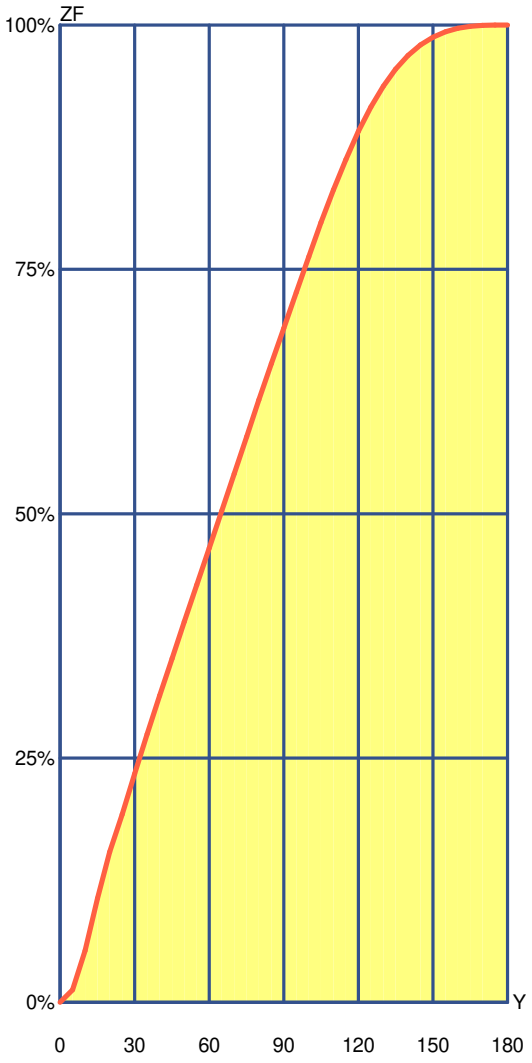
| RI | 0.60 | 0.80 | 1.00 | 1.25 | 1.50 | 2.00 | 2.50 | 3.00 | 4.00 | 5.00 | 10.00 | 20.00 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DRR | 0.33 | 0.38 | 0.44 | 0.49 | 0.54 | 0.61 | 0.66 | 0.70 | 0.75 | 0.79 | 0.87 | 0.93 |
| RC | 5 | 5 | 5 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 |

Flujo Zonal por 1000 Lúmenes

| Y° | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ZF(Y) | 53 | 154 | 234 | 314 | 390 | 465 | 541 | 616 | 690 | 763 | 831 | 891 | 937 | 969 | 988 | 997 | 1000 | 1000 |

Códigos de Flujo C.I.E.
47 67 84 69 100

| | | | |
|---|---|---|---|
| C.I.E. | 5/5/5/6/6/6/7/7/7/7/7/7 | LOR | 100.00000 % |
| D DIN 5040 | B31 | ULOR | 31.00652 % |
| F UTE | 0.69 E + 0.31 T | DLOR | 68.99348 % |
| B NBN | BZ 4 / 0.8 / BZ 5 / 2.5 / BZ 6 | UFF | 31.00652 % |
| RN | 31.00652 % | DFF | 68.99348 % |
| BLF | 1.0 | FFR | 44.94123 % |



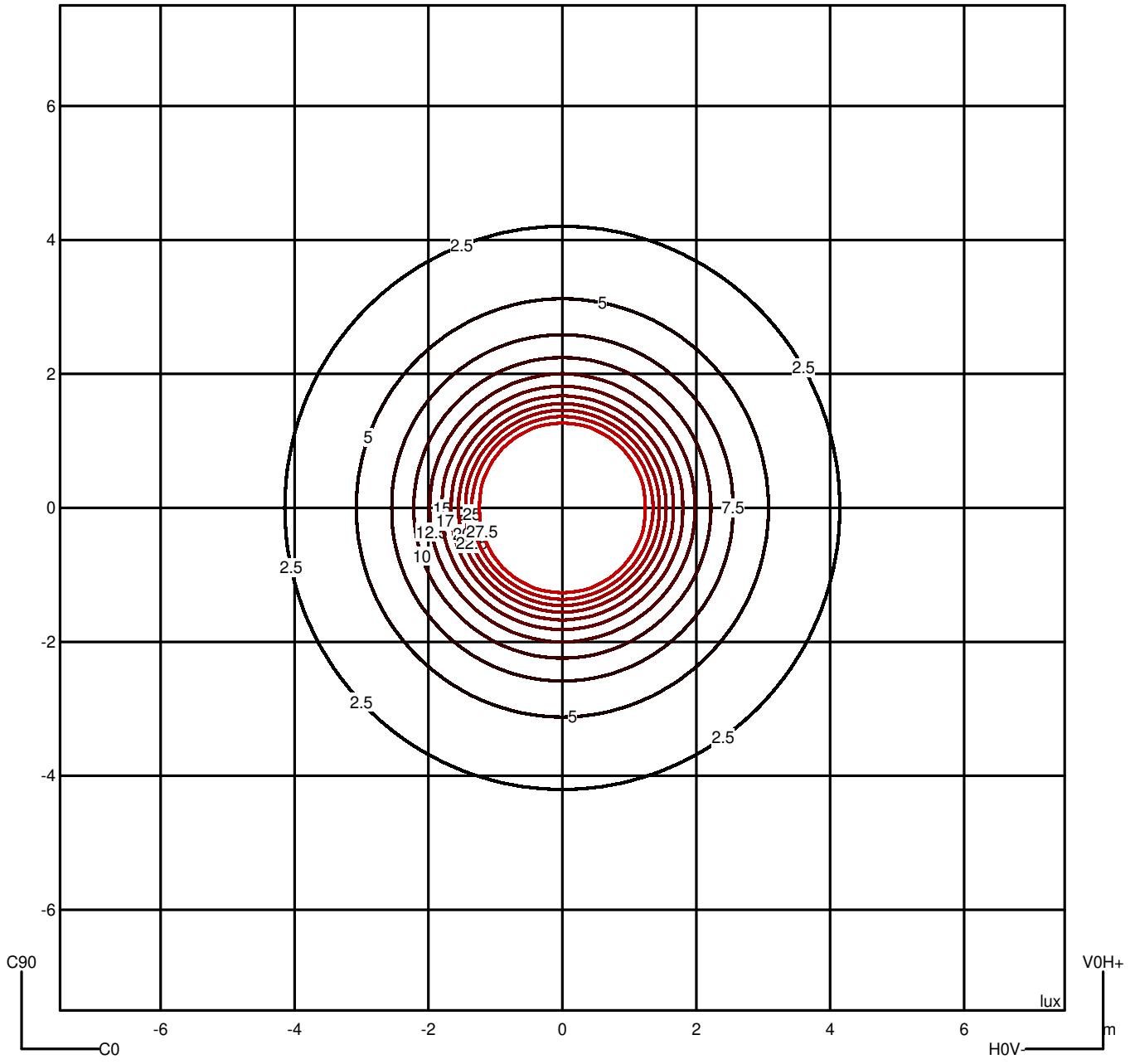

| Flujo Zonal | | | | |
|---|---|---|---|---|
| Gamma ° | Flujo | Suma lm | Flujo [%] | Suma [%] |
| 0° | 0.00 | 0.00 | 0.00% | 0.00 % |
| 5° | 12.85 | 12.85 | 1.29 % | 1.29 % |
| 10° | 39.99 | 52.84 | 4.00 % | 5.28 % |
| 15° | 53.68 | 106.52 | 5.37 % | 10.65 % |
| 20° | 47.26 | 153.78 | 4.73 % | 15.38 % |
| 25° | 38.57 | 192.35 | 3.86 % | 19.23 % |
| 30° | 41.40 | 233.75 | 4.14 % | 23.37 % |
| 35° | 40.85 | 274.60 | 4.08 % | 27.46 % |
| 40° | 39.18 | 313.77 | 3.92 % | 31.38 % |
| 45° | 38.16 | 351.94 | 3.82 % | 35.19 % |
| 50° | 37.66 | 389.60 | 3.77 % | 38.96 % |
| 55° | 37.48 | 427.08 | 3.75 % | 42.71 % |
| 60° | 37.61 | 464.69 | 3.76 % | 46.47 % |
| 65° | 37.95 | 502.64 | 3.80 % | 50.26 % |
| 70° | 38.15 | 540.80 | 3.82 % | 54.08 % |
| 75° | 38.03 | 578.82 | 3.80 % | 57.88 % |
| 80° | 37.61 | 616.44 | 3.76 % | 61.64 % |
| 85° | 36.96 | 653.40 | 3.70 % | 65.34 % |
| 90° | 36.54 | 689.93 | 3.65 % | 68.99 % |
| 95° | 36.63 | 726.56 | 3.66 % | 72.66 % |
| 100° | 36.21 | 762.78 | 3.62 % | 76.28 % |
| 105° | 35.07 | 797.85 | 3.51 % | 79.78 % |
| 110° | 33.40 | 831.24 | 3.34 % | 83.12 % |
| 115° | 31.35 | 862.60 | 3.14 % | 86.26 % |
| 120° | 28.56 | 891.15 | 2.86 % | 89.12 % |
| 125° | 25.01 | 916.16 | 2.50 % | 91.62 % |
| 130° | 21.20 | 937.37 | 2.12 % | 93.74 % |
| 135° | 17.50 | 954.87 | 1.75 % | 95.49 % |
| 140° | 14.02 | 968.89 | 1.40 % | 96.89 % |
| 145° | 10.84 | 979.73 | 1.08 % | 97.97 % |
| 150° | 8.00 | 987.73 | 0.80 % | 98.77 % |
| 155° | 5.54 | 993.27 | 0.55 % | 99.33 % |
| 160° | 3.52 | 996.79 | 0.35 % | 99.68 % |
| 165° | 1.97 | 998.76 | 0.20 % | 99.88 % |
| 170° | 0.91 | 999.67 | 0.09 % | 99.97 % |
| 175° | 0.29 | 999.96 | 0.03 % | 100.00 % |
| 180° | 0.04 | 1000.00 | 0.00 % | 100.00 % |

**Luminaria**
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**Ensayo**
Código CL092A24D019GP
Nombre KANDO P111 2200K BROWN TEKA WHITE RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1437 lm | Potencia Luminaria | 35.1 W | Eficacia | 40.940 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m



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| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

## Datos Espectrales

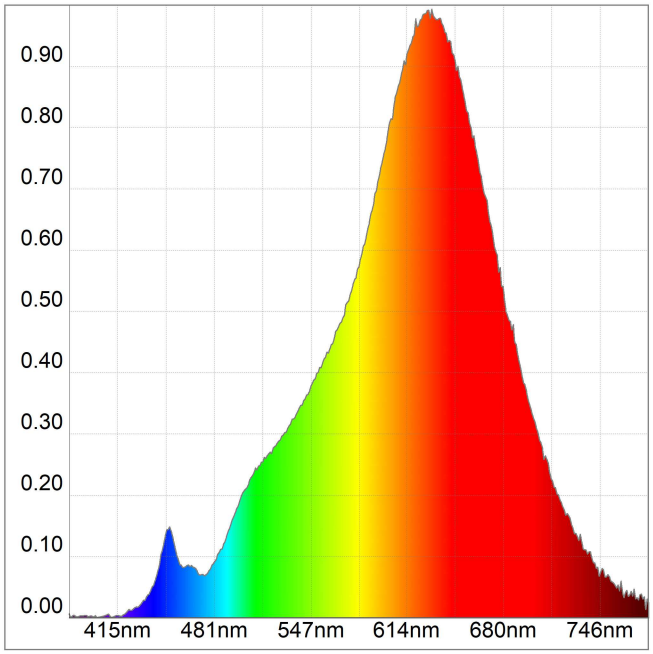
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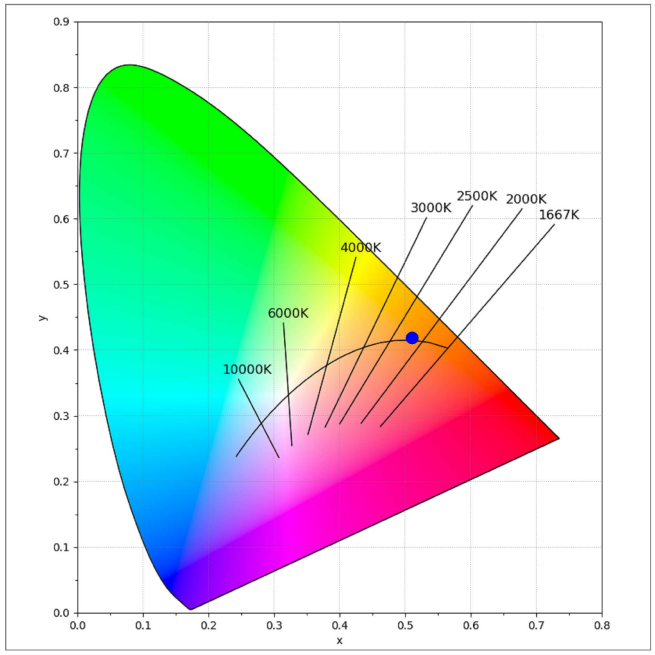
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| CIE1931 | x =0.511133 | y =0.418032 | Índice repr. Cromática (CRI) | CRI8(Ra) [93.8]* | | CRI15(Rav) [92.2]* | | | |
| CIE1960 | u =0.292322 | v =0.358614 | Comp.Reproducción Cromática | R 1: 94.5 | R 2: 98.1 | R 3: 99.2 | R 4: 95.7 | R 5: 95.2 | |
| CIE1976 | u'=0.292322 | v'=0.537922 | | R 6: 97.5 | R 7: 90.4 | R 8: 79.8 | R 9: 58.8 | R10: 95.3 | |
| D(u,v) | 0.00094 | | | R11: 99.3 | R12: 95.7 | R13: 95.7 | R14: 98.9 | R15: 88.3 | |
| | | | CCT = [2166 K]* | | | | | | |

## Distribución Espectral

| l(nm) | Potencia Radiante | l(nm) | Potencia Radiante | l(nm) | Potencia Radiante |
|---|---|---|---|---|---|
| 382.0 | 0.006400 | 388.0 | 0.001400 | 394.0 | 0.003500 |
| 400.0 | 0.003500 | 406.0 | 0.002900 | 412.0 | 0.001167 |
| 418.0 | 0.002200 | 424.0 | 0.011900 | 430.0 | 0.018800 |
| 436.0 | 0.037200 | 442.0 | 0.068200 | 448.0 | 0.133500 |
| 454.0 | 0.122200 | 460.0 | 0.081700 | 466.0 | 0.085400 |
| 472.0 | 0.069500 | 478.0 | 0.076700 | 484.0 | 0.103800 |
| 490.0 | 0.131900 | 496.0 | 0.170700 | 502.0 | 0.206700 |
| 508.0 | 0.232300 | 514.0 | 0.254300 | 520.0 | 0.270300 |
| 526.0 | 0.288300 | 532.0 | 0.308600 | 538.0 | 0.332300 |
| 544.0 | 0.356900 | 550.0 | 0.388000 | 556.0 | 0.415300 |
| 562.0 | 0.445800 | 568.0 | 0.480700 | 574.0 | 0.517200 |
| 580.0 | 0.569300 | 586.0 | 0.621600 | 592.0 | 0.692400 |
| 598.0 | 0.756000 | 604.0 | 0.813600 | 610.0 | 0.885800 |
| 616.0 | 0.933800 | 622.0 | 0.966400 | 628.0 | 0.991300 |
| 634.0 | 0.976600 | 640.0 | 0.955800 | 646.0 | 0.919400 |
| 652.0 | 0.864800 | 658.0 | 0.800300 | 664.0 | 0.728000 |
| 670.0 | 0.659800 | 676.0 | 0.591700 | 682.0 | 0.499700 |
| 688.0 | 0.449100 | 694.0 | 0.383600 | 700.0 | 0.332200 |
| 706.0 | 0.285600 | 712.0 | 0.237000 | 718.0 | 0.200400 |
| 724.0 | 0.170200 | 730.0 | 0.137600 | 736.0 | 0.110600 |
| 742.0 | 0.089700 | 748.0 | 0.080500 | 754.0 | 0.060000 |
| 760.0 | 0.043500 | 766.0 | 0.034600 | 772.0 | 0.032900 |
| 778.0 | 0.013100 | | | | |

## Gráfico del Espectro

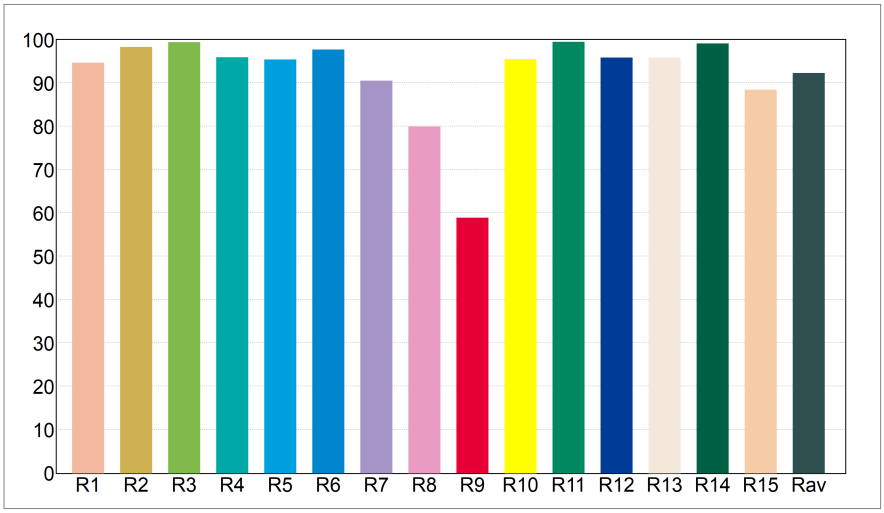


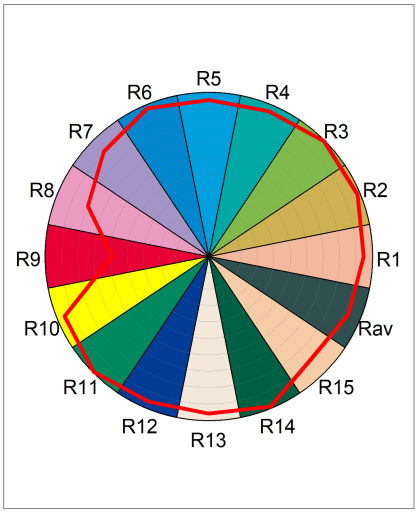



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| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |

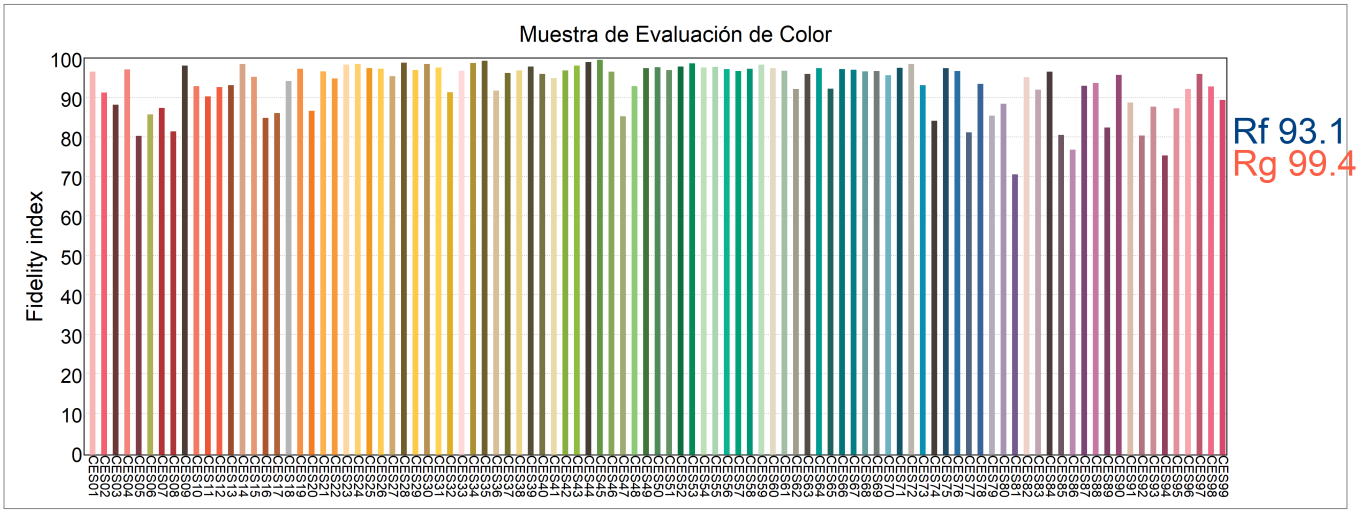
## Gráficos del IRC



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**Ensayo**
Código CL092A24D019GP
Nombre KANDO P111 2200K BROWN TEKA WHITE RIBBON

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Flujo Luminaria | 1437 lm | Potencia Luminaria | 35.1 W | Eficacia | 40.940 lm/W | Eficiencia | 100.00% |
| Flujo Fuente | 1437 lm | Valor Máximo | 833.43 cd | Posición | C=0.00 G=7.50 | CG | Bisimétrico |




Coordenadas de Cromaticidad (a' b') 99 muestras

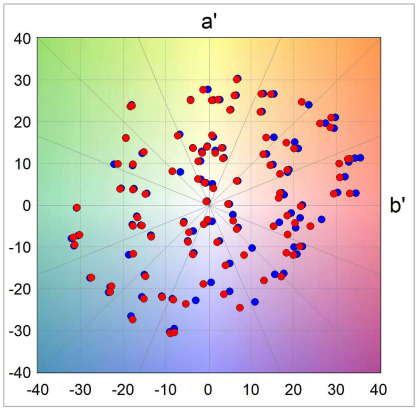



Gráfico Vectorial de Color

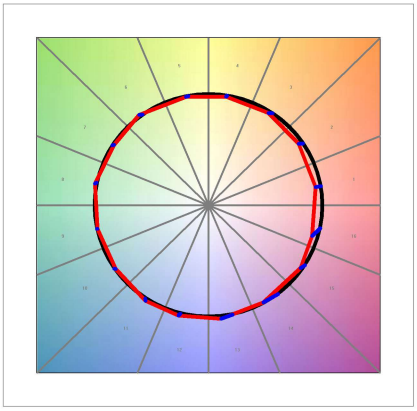


Gráfico de Distorsión de Color

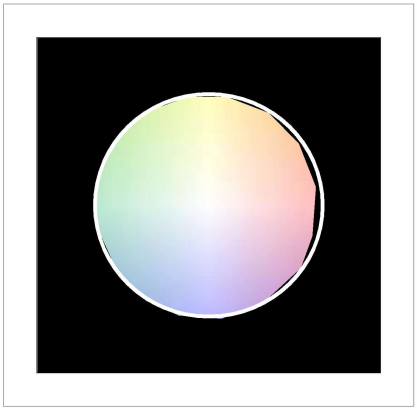


Diagrama Rf vs Rg

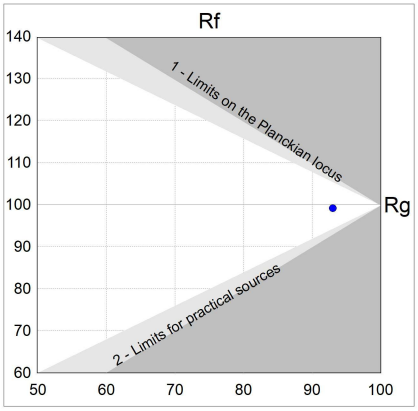
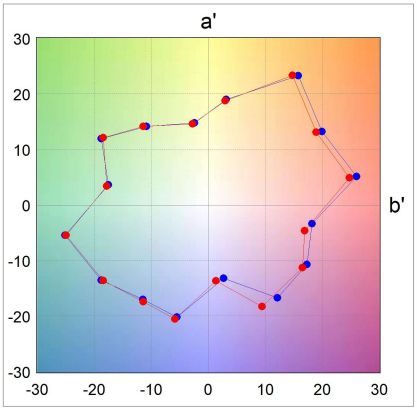



Diagrama Gamut




Cambios por Bin

