# ANEXO 26-0328-2-A KAYRA II 36 LED RA10MIII 85W

DRIVER XITANIUM 100W 1.1A 0-10V

MOD FF BOARD 2X6/740 5050 DA_UHE (4K)

Lentes: RA10MIII



| | | | |
|---|---|---|---|
| Light Output Ratio: | 100.0% | | |
| Luminaire Power: | 84.57 W | | |
| I80 = | 92.9 cd per klm. | I88 = | 1.5 cd per klm. |
| I90 = | 1.1 cd per klm. | I80/I88 = | 59.985 |

***C Range: 0 - 360DEG***
***C Interval: 10.0DEG***
***Test Speed: HIGH***
***Temperature:25±1°CDEG***
***Operators:Kevin Delgado***
***Test Date:2026-06-17***

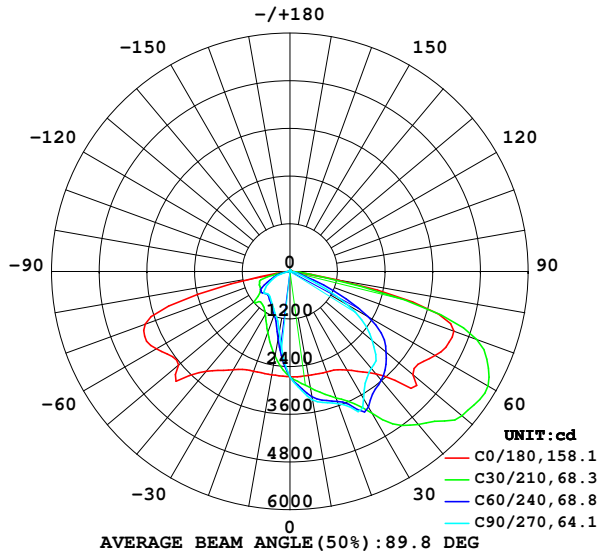
***γ Range: 0 - 180DEG***
***γ Interval: 2.0DEG***
***Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10***
***Humidity:MAX:52.7-MIN:43.0%***
***Test Distance:7.080m [K=1.0000]***
***Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI***
***DRIVER XITANIUM 100W 1.1A 0-10V***
***MOD FF BOARD 2X6/740 5050 DA_UHE (4K)***
***Lentes: RA10MIII***

# STREETLIGHT PHOTOMETRIC TEST REPORT

| | | |
|---|---|---|
| Test:U:220.00V I:0.3881A P:84.567W PF:0.9905 Freq:60.01Hz Lamp Flux:12500.4x1 lm | | |
| NAME: ANEXO 26-0328-2-A KAYRA II 36 LED | TYPE:ALUMBRADO PUBLICO | WEIGHT:---- |
| SPEC.:36 LED 85W | DIM.: ---- | SERIAL No.:26-0328-2 |
| MFR.: ROY ALPHA S.A | SUR.:----- | Shielding Angle:----- |

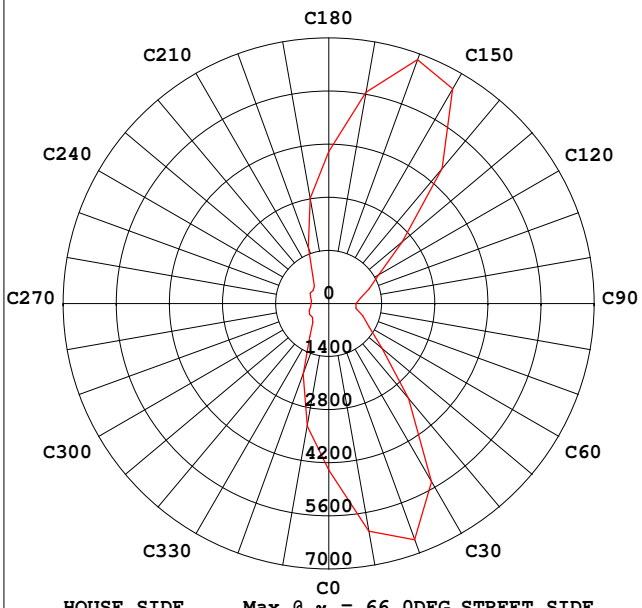
| DATA OF LAMP | | PHOTOMETRIC DATA | | Eff: 147.82 lm/W | |
|---|---|---|---|---|---|
| MODEL | 2X6/740 5050 | Imax(cd) | 6846 | η street_up(%) | 0.3 |
| NOMINAL POWER(W) | 85 | LOR(%) | 100.0 | η street_down(%) | 72.9 |
| RATED VOLTAGE(V) | --- | TOTAL FLUX(lm) | 12500 | η house_up(%) | 0.6 |
| NOMINAL FLUX(lm) | 12500.4 | MAXIMUM @(C,γ ) | 160,66.0 | η house_down(%) | 26.2 |
| LAMPS INSIDE | 1 | η up(%) | 0.8 | 76 FLASHAREA(m2) | |
| TEST VOLTAGE(V) | 220 | η down(%) | 99.2 | SLI | |

***INTENSITY DISTRIBUTION DIAGRAM IN C PLANS***




AVERAGE BEAM ANGLE(50%):89.8 DEG

***MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM***




HOUSE SIDE Max @ γ = 66.0DEG STREET SIDE

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***Humidity:MAX:52.7-MIN:43.0%***
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***DRIVER XITANIUM 100W 1.1A 0-10V***
***MOD FF BOARD 2X6/740 5050 DA_UHE (4K)***
***Lentes: RA10MIII***

# STREETLIGHT ISOCANDELA DIAGRAM

| | | |
|---|---|---|
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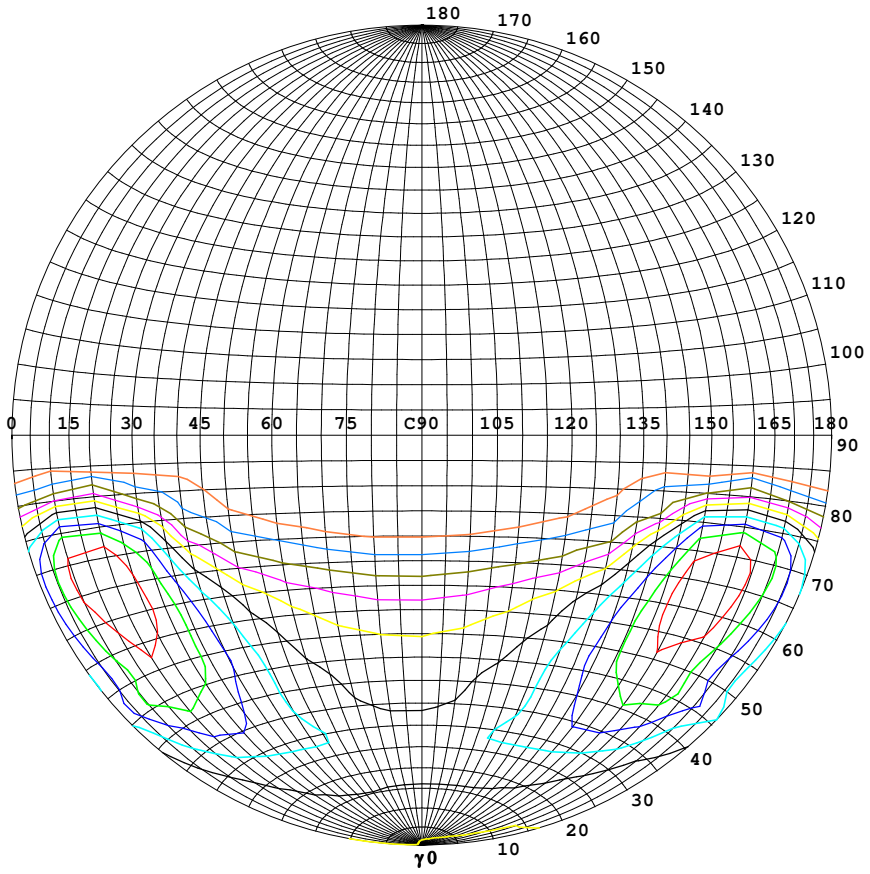
| MFR.: ROY ALPHA S.A | SUR.:----- | Shielding Angle:----- |




Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:179.6cd/klm
Max.At90:1.243cd/klm
Max.80-90:179.6cd/klm
NRB 5101:Non limited[37.2%]

| ISOCANDELA DIAGRAM | |
|---|---|
| UNIT | cd |
| Imax=100% | 6846 |
| 90% | 6161 |
| 80% | 5476 |
| 70% | 4792 |
| 60% | 4107 |
| 50% | 3423 |
| 40% | 2738 |
| 30% | 2054 |
| 20% | 1369 |
| 10% | 685 |
| 5% | 342 |

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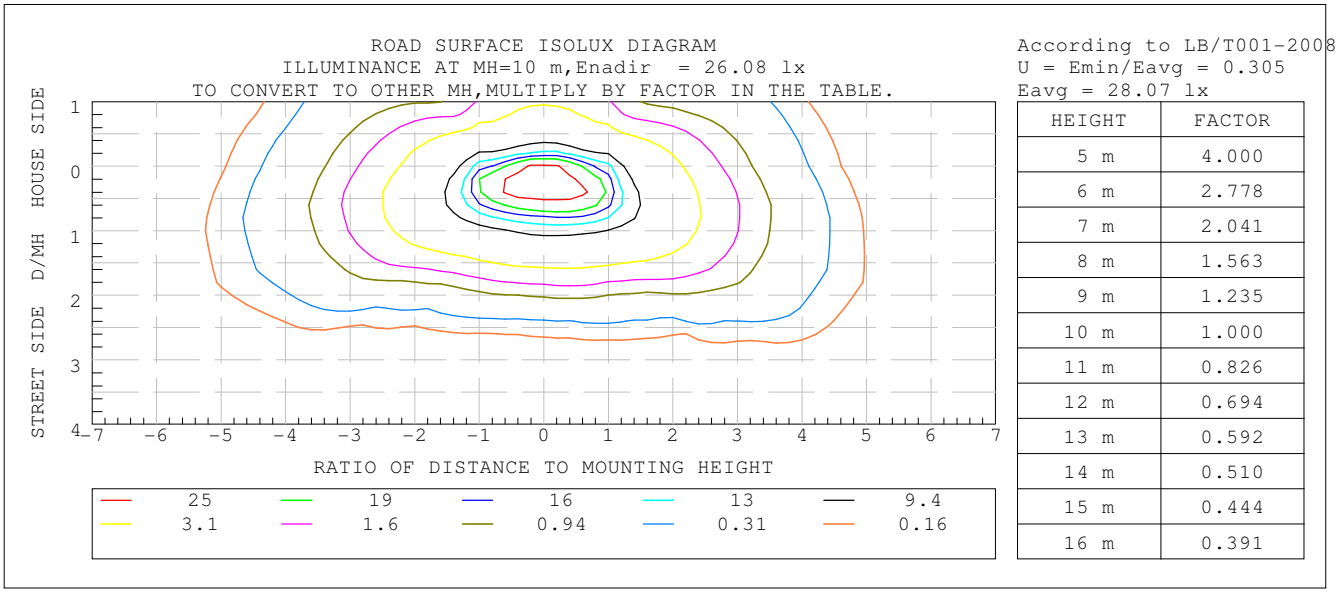
# COEFFICIENT OF UTILIZATION CURVE
# AND ISOLUX DIAGRAM




According to LB/T001-2008:
U = Emin/Eavg = 0.305
Eavg = 28.07 lx

| HEIGHT | FACTOR |
|---|---|
| 5 m | 4.000 |
| 6 m | 2.778 |
| 7 m | 2.041 |
| 8 m | 1.563 |
| 9 m | 1.235 |
| 10 m | 1.000 |
| 11 m | 0.826 |
| 12 m | 0.694 |
| 13 m | 0.592 |
| 14 m | 0.510 |
| 15 m | 0.444 |
| 16 m | 0.391 |

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# ZONAL FLUX DIAGRAM

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| MFR.: ROY ALPHA S.A | SUR.:----- | Shielding Angle:----- |

| γ | C0 | C45 | C90 | C135 | C180 | C225 | C270 | C315 | γ | Φ zone | Φ total | %lum,lamp |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 2659 | 3112 | 3286 | 3105 | 2645 | 1922 | 1565 | 1891 | 0- 10 | 245.6 | 245.6 | 1.96,1.96 |
| 20 | 2696 | 3473 | 3545 | 3585 | 2677 | 1302 | 1120 | 1326 | 10- 20 | 702.0 | 947.6 | 7.58,7.58 |
| 30 | 2864 | 4219 | 3707 | 4483 | 2855 | 1037 | 925.8 | 1071 | 20- 30 | 1177 | 2125 | 17,17 |
| 40 | 3374 | 4236 | 3189 | 4889 | 3287 | 914.0 | 806.0 | 941.7 | 30- 40 | 1680 | 3804 | 30.4,30.4 |
| 50 | 4042 | 4225 | 2709 | 5055 | 3664 | 899.2 | 853.3 | 964.5 | 40- 50 | 2204 | 6009 | 48.1,48.1 |
| 60 | 4224 | 3592 | 1650 | 4537 | 3894 | 700.6 | 645.9 | 740.1 | 50- 60 | 2464 | 8473 | 67.8,67.8 |
| 70 | 4390 | 1643 | 329.6 | 2604 | 3879 | 478.1 | 377.6 | 527.6 | 60- 70 | 2326 | 10799 | 86.4,86.4 |
| 80 | 1161 | 345.4 | 79.15 | 541.2 | 759.1 | 180.4 | 74.12 | 208.1 | 70- 80 | 1448 | 12247 | 98,98 |
| 90 | 13.93 | 3.553 | 1.627 | 3.536 | 12.31 | 7.307 | 1.811 | 8.832 | 80- 90 | 149.1 | 12396 | 99.2,99.2 |
| 100 | 19.40 | 4.271 | 2.907 | 4.571 | 20.07 | 15.15 | 5.500 | 17.11 | 90-100 | 9.570 | 12406 | 99.2,99.2 |
| 110 | 24.06 | 5.915 | 4.285 | 6.242 | 24.44 | 20.91 | 11.17 | 23.24 | 100-110 | 13.99 | 12420 | 99.4,99.4 |
| 120 | 26.67 | 7.750 | 5.685 | 8.017 | 26.89 | 25.05 | 17.01 | 29.11 | 110-120 | 16.55 | 12436 | 99.5,99.5 |
| 130 | 26.86 | 9.368 | 6.791 | 8.965 | 27.67 | 25.74 | 22.92 | 32.84 | 120-130 | 17.12 | 12453 | 99.6,99.6 |
| 140 | 24.88 | 11.15 | 7.903 | 10.50 | 26.93 | 25.70 | 26.41 | 33.30 | 130-140 | 15.59 | 12469 | 99.7,99.7 |
| 150 | 23.42 | 13.60 | 10.13 | 12.37 | 25.48 | 26.01 | 27.93 | 31.81 | 140-150 | 13.00 | 12482 | 99.9,99.9 |
| 160 | 23.26 | 16.43 | 13.76 | 14.96 | 24.86 | 26.01 | 27.49 | 29.06 | 150-160 | 9.886 | 12492 | 99.9,99.9 |
| 170 | 23.43 | 19.84 | 18.33 | 18.35 | 24.40 | 25.29 | 26.10 | 26.34 | 160-170 | 6.266 | 12498 | 100,100 |
| 180 | 24.56 | 23.44 | 23.16 | 23.13 | 24.57 | 23.44 | 23.15 | 23.13 | 170-180 | 2.188 | 12500 | 100,100 |
| DEG | LUMINOUS INTENSITY:cd Less than 35% Percent = 11.5 % | | | | | | | | | UNIT:lm | | |

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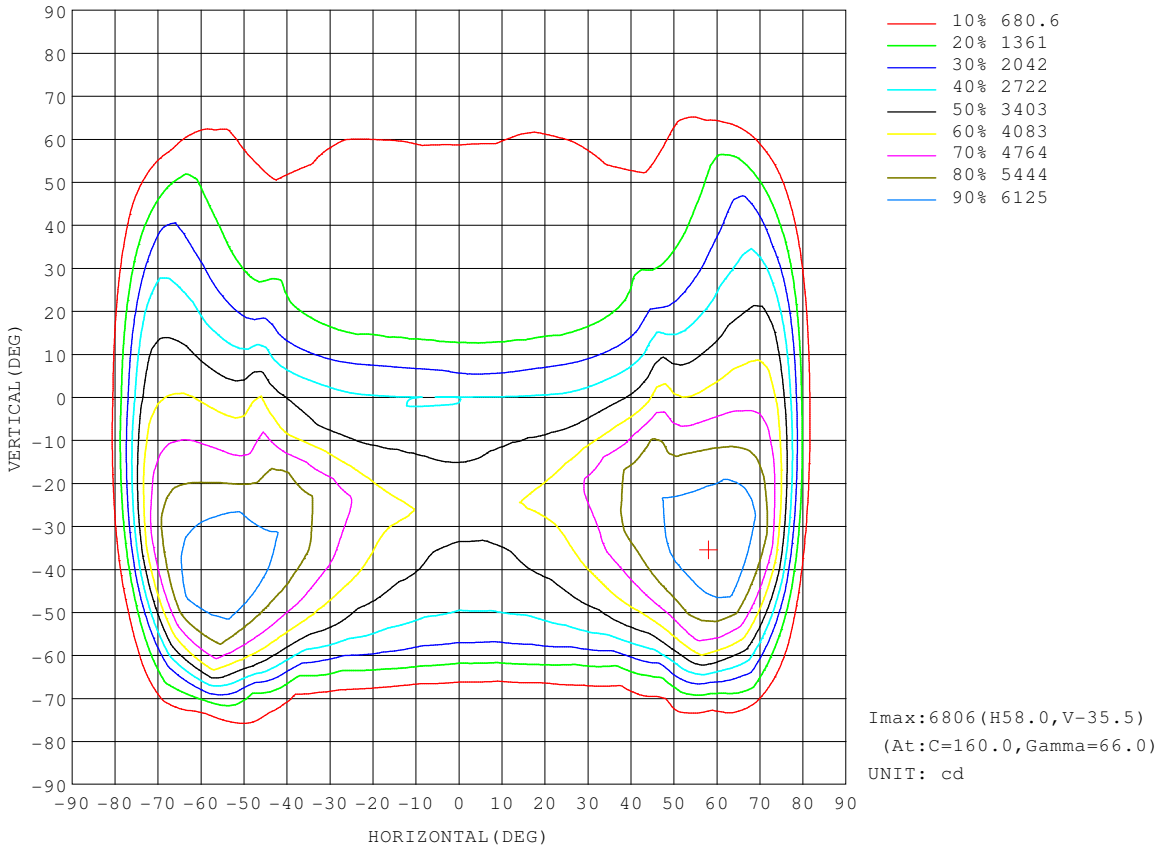


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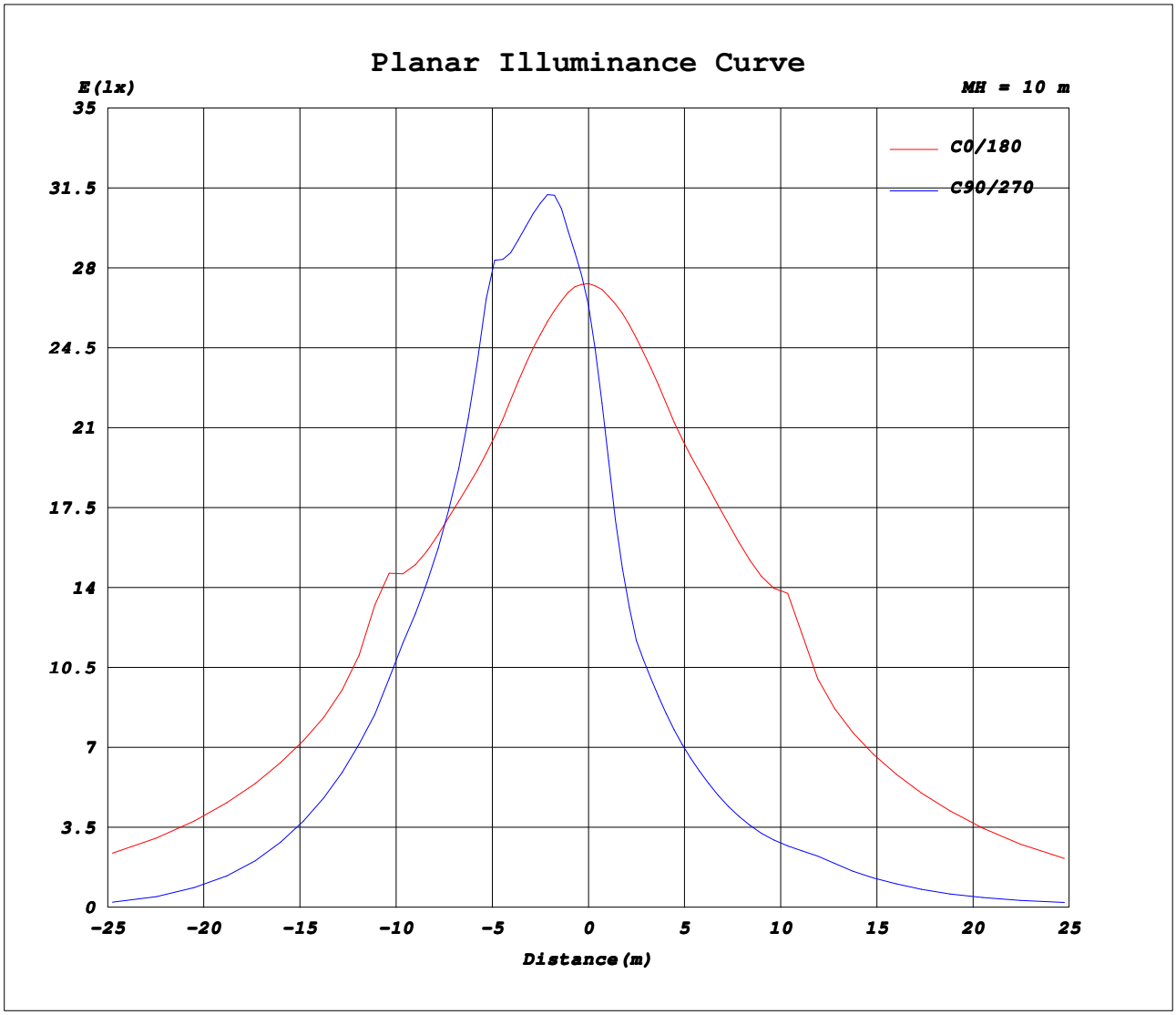
# Planar Illuminance Curve

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**DRIVER XITANIUM 100W 1.1A 0-10V**
**MOD FF BOARD 2X6/740 5050 DA_UHE (4K)**
**Lentes: RA10MIII**

**Test Distance:** 7.080 metres
**Test Tempertature:** 25±1°C degrees Celsius

**Significance:** ENSAYO FOTOMETRICO A LUMINARIAS
ROY ALPHA S.A
CALLE 15 No 32-598
Acopi Yumbo

**Special Notes:** EQUIPOS UTILIZADOS
Fotogoniómetro EQEN-023
Fuente de tensión INCO-011
Luxometro INME-039
Flexometro INME-041
Analizador de potencia INME-013
Controlador de Temperatura INME-046
Datalogger INME-021-1
El presente reporte de pruebas no se debe reproducir en forma parcial, sin la aprobación del Laboratorio de ensayos de Roy Alpha.

| Realizó/revisó | Realizó: | Revisó: |
|---|---|---|
| | Kevin Delgado. | Milton Chavarro. |

**Testing Procedure:** Las prueba fue realizada de acuerdo con la norma LM 79 de 2024.
Tiempo de estabilizacion: 0:11':00"
Tiempo de ensayo: 0:30':52"

# LCS REPORT

| | | |
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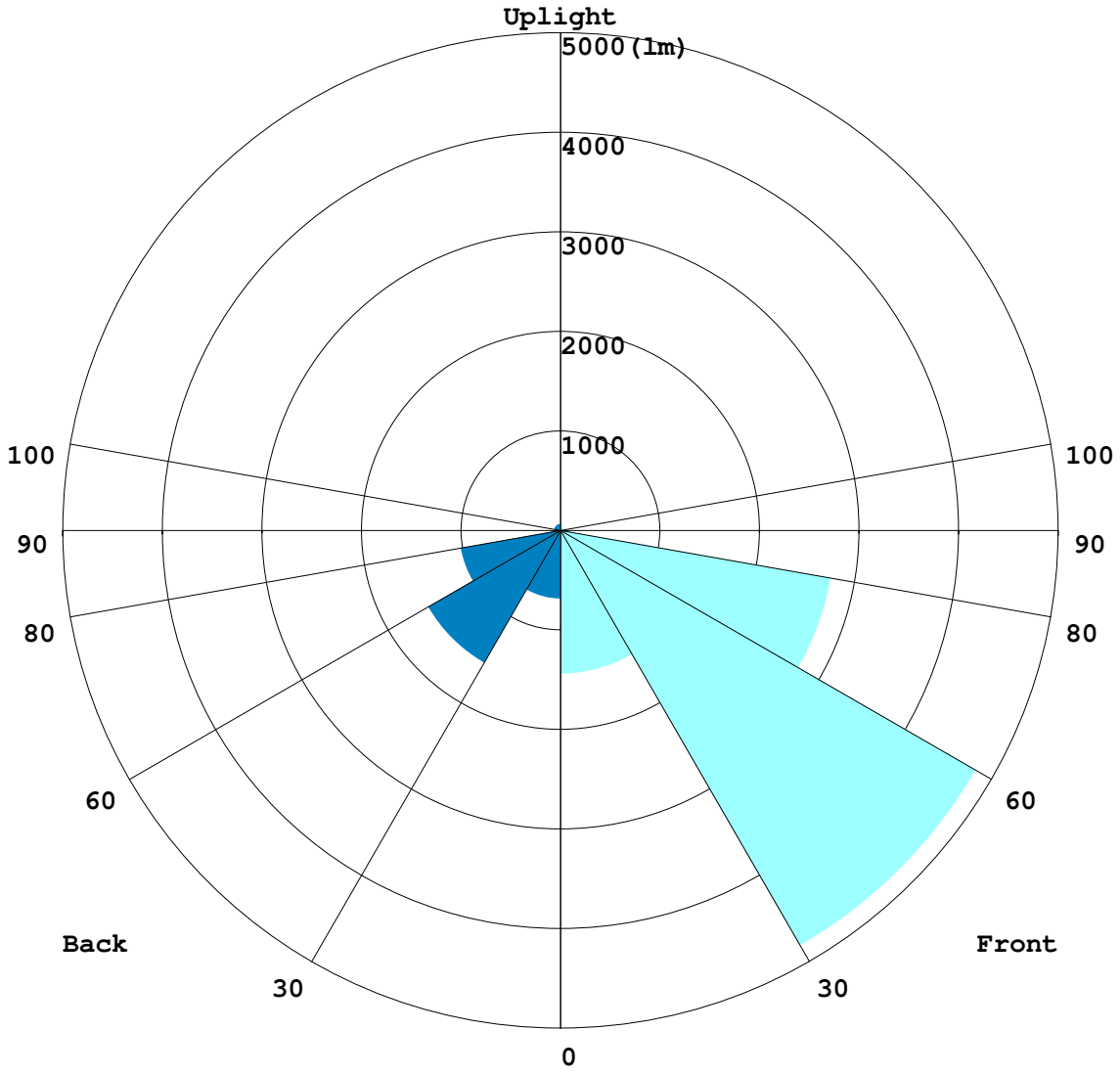
## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH

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*Lentes: RA10MIII*

# BUG REPORT

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| MFR.: ROY ALPHA S.A | SUR.:----- | Shielding Angle:----- |

**IESNA Luminaire Flux Distribution Table:**

| Zone | Lumens | Luminaire % |
|---|---|---|
| FL - Front-Low(0-30) | 1439.5 | 11.5 |
| FM - Front-Medium(30-60) | 4813.1 | 38.5 |
| FH - Front-High(60-80) | 2758.2 | 22.1 |
| FVH - Front-Very High(80-90) | 107.55 | 0.9 |
| Total Forward Light | 9152.2 | 73.2 |
| BL - Back-Low(0-30) | 685.34 | 5.5 |
| BM - Back-Medium(30-60) | 1534.8 | 12.3 |
| BH - Back-High(60-80) | 1016.2 | 8.1 |
| BVH - Back-Very High(80-90) | 41.549 | 0.3 |
| Total Back Light | 3348.1 | 26.8 |
| UL - Uplight-Low(90-100) | 9.5695 | 0.1 |
| UH - Uplight-High(100-180) | 94.579 | 0.8 |
| Total Up Light | 104.15 | 0.8 |
| BUG(Back,Up,Glare) Rating | B3-U3-G3 | |

| Zone | Downward Lumens | Upward Lumens | Total Lumens |
|---|---|---|---|
| House Side | 3277.9 | 70.265 | 3348.1 |
| Street Side | 9118.3 | 33.883 | 9152.2 |

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# ROAD ISOCANDELA REPORT

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ROAD SURFACE ISOCANDELA DIAGRAM

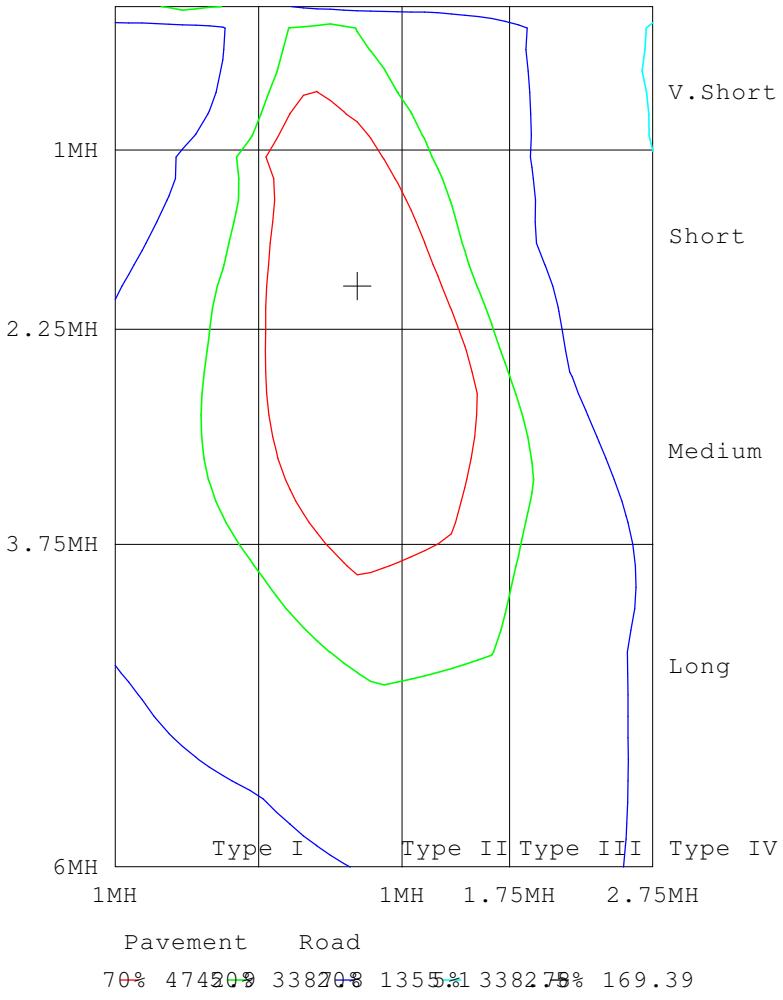


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Table--1 UNIT: cd

| γ (DEG) \ C(DEG) | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 |
| 5 | 2659 | 2699 | 2742 | 2777 | 2809 | 2834 | 2861 | 2882 | 2894 | 2908 | 2932 | 2901 | 2905 | 2865 | 2849 | 2799 | 2754 | 2701 | 2648 |
| 10 | 2659 | 2766 | 2867 | 2975 | 3074 | 3151 | 3198 | 3242 | 3267 | 3286 | 3306 | 3255 | 3233 | 3146 | 3064 | 2961 | 2871 | 2767 | 2645 |
| 15 | 2668 | 2815 | 2980 | 3136 | 3247 | 3312 | 3342 | 3361 | 3374 | 3397 | 3435 | 3415 | 3422 | 3348 | 3255 | 3095 | 2943 | 2812 | 2651 |
| 20 | 2696 | 2917 | 3192 | 3387 | 3464 | 3483 | 3482 | 3502 | 3516 | 3545 | 3587 | 3578 | 3618 | 3603 | 3568 | 3376 | 3113 | 2892 | 2677 |
| 25 | 2723 | 3032 | 3372 | 3574 | 3645 | 3645 | 3661 | 3695 | 3722 | 3746 | 3792 | 3774 | 3817 | 3831 | 3810 | 3631 | 3304 | 2976 | 2708 |
| 30 | 2864 | 3360 | 3835 | 4111 | 4257 | 4180 | 3949 | 3763 | 3676 | 3707 | 3830 | 4032 | 4322 | 4480 | 4487 | 4222 | 3808 | 3247 | 2855 |
| 35 | 3032 | 3710 | 4354 | 4625 | 4443 | 4079 | 3725 | 3494 | 3373 | 3396 | 3548 | 3789 | 4172 | 4583 | 4917 | 4822 | 4287 | 3537 | 3003 |
| 40 | 3374 | 4410 | 5153 | 5029 | 4488 | 3983 | 3581 | 3318 | 3175 | 3189 | 3368 | 3641 | 4086 | 4578 | 5202 | 5551 | 5159 | 4101 | 3287 |
| 45 | 3814 | 5105 | 5561 | 5250 | 4586 | 3958 | 3454 | 3190 | 3097 | 3130 | 3236 | 3488 | 4006 | 4634 | 5379 | 5874 | 5734 | 4717 | 3646 |
| 50 | 4042 | 5207 | 5927 | 5655 | 4681 | 3767 | 3160 | 2927 | 2720 | 2709 | 2911 | 3189 | 3685 | 4531 | 5581 | 6247 | 5842 | 4732 | 3664 |
| 55 | 3983 | 5322 | 6117 | 5724 | 4570 | 3548 | 2942 | 2558 | 2372 | 2381 | 2537 | 2903 | 3426 | 4334 | 5554 | 6473 | 6129 | 4894 | 3658 |
| 60 | 4224 | 5761 | 6516 | 5761 | 4188 | 2993 | 2275 | 1906 | 1670 | 1650 | 1831 | 2196 | 2761 | 3781 | 5297 | 6745 | 6598 | 5318 | 3894 |
| 65 | 4370 | 5998 | 6633 | 5561 | 3656 | 2276 | 1582 | 1280 | 1049 | 1037 | 1196 | 1496 | 1974 | 3019 | 4924 | 6679 | 6809 | 5565 | 4017 |
| 70 | 4390 | 6089 | 6322 | 5002 | 2310 | 974 | 636 | 386 | 330 | 330 | 361 | 506 | 795 | 1411 | 3803 | 6057 | 6650 | 5720 | 3879 |
| 75 | 3892 | 5481 | 5340 | 3947 | 1202 | 459 | 288 | 238 | 197 | 197 | 212 | 269 | 366 | 646 | 2215 | 5051 | 5648 | 5082 | 3180 |
| 80 | 1161 | 2008 | 2245 | 931 | 492 | 198 | 113 | 93.0 | 79.3 | 79.1 | 88.9 | 99.2 | 140 | 287 | 796 | 1424 | 2037 | 1355 | 759 |
| 85 | 204 | 421 | 331 | 277 | 218 | 72.1 | 40.7 | 34.1 | 27.2 | 15.4 | 34.3 | 36.1 | 53.0 | 92.3 | 238 | 177 | 303 | 171 | 130 |
| 90 | 13.9 | 11.2 | 8.03 | 5.79 | 4.11 | 3.00 | 2.57 | 2.54 | 2.28 | 1.63 | 2.54 | 2.73 | 2.81 | 3.12 | 3.95 | 5.45 | 7.44 | 10.5 | 12.3 |
| 95 | 15.7 | 11.8 | 8.18 | 5.48 | 3.79 | 2.88 | 2.48 | 2.30 | 2.17 | 2.04 | 2.26 | 2.36 | 2.60 | 3.06 | 4.02 | 5.75 | 8.71 | 12.6 | 15.4 |
| 100 | 19.4 | 14.7 | 10.2 | 6.90 | 4.82 | 3.72 | 3.27 | 3.04 | 2.95 | 2.91 | 3.00 | 3.12 | 3.38 | 3.93 | 5.22 | 7.52 | 11.3 | 16.2 | 20.1 |
| 105 | 21.5 | 16.5 | 11.6 | 7.87 | 5.56 | 4.34 | 3.78 | 3.52 | 3.45 | 3.45 | 3.51 | 3.62 | 3.91 | 4.51 | 5.96 | 8.59 | 13.0 | 18.5 | 22.3 |
| 110 | 24.1 | 18.7 | 13.3 | 9.22 | 6.62 | 5.21 | 4.55 | 4.25 | 4.24 | 4.28 | 4.28 | 4.35 | 4.70 | 5.40 | 7.09 | 10.12 | 15.1 | 21.1 | 24.4 |
| 115 | 25.1 | 19.7 | 14.2 | 10.1 | 7.41 | 5.85 | 5.07 | 4.79 | 4.81 | 4.87 | 4.80 | 4.82 | 5.22 | 6.08 | 7.91 | 11.1 | 16.1 | 22.3 | 25.4 |
| 120 | 26.7 | 21.4 | 15.9 | 11.6 | 8.70 | 6.79 | 5.81 | 5.57 | 5.62 | 5.69 | 5.60 | 5.51 | 5.89 | 6.96 | 9.07 | 12.4 | 17.4 | 23.3 | 26.9 |
| 125 | 27.2 | 22.1 | 16.9 | 12.5 | 9.45 | 7.39 | 6.33 | 6.10 | 6.12 | 6.16 | 6.07 | 5.96 | 6.29 | 7.37 | 9.48 | 12.7 | 17.4 | 22.9 | 27.4 |
| 130 | 26.9 | 22.4 | 17.7 | 13.6 | 10.4 | 8.32 | 7.20 | 6.89 | 6.79 | 6.79 | 6.71 | 6.64 | 7.00 | 7.99 | 9.94 | 12.8 | 16.9 | 21.5 | 27.7 |
| 135 | 26.1 | 22.3 | 18.0 | 14.0 | 11.0 | 9.02 | 7.87 | 7.44 | 7.25 | 7.19 | 7.10 | 7.10 | 7.53 | 8.60 | 10.4 | 12.9 | 16.5 | 20.5 | 27.6 |
| 140 | 24.9 | 21.8 | 18.2 | 14.8 | 12.1 | 10.2 | 9.01 | 8.41 | 8.04 | 7.90 | 7.78 | 7.87 | 8.49 | 9.61 | 11.4 | 13.6 | 16.2 | 19.2 | 26.9 |
| 145 | 24.2 | 21.5 | 18.5 | 15.5 | 12.9 | 11.1 | 9.85 | 9.22 | 8.78 | 8.60 | 8.49 | 8.62 | 9.31 | 10.3 | 12.0 | 14.0 | 16.2 | 18.7 | 26.3 |
| 150 | 23.4 | 21.4 | 19.0 | 16.6 | 14.4 | 12.8 | 11.4 | 10.8 | 10.3 | 10.1 | 10.09 | 10.2 | 10.8 | 11.7 | 13.0 | 14.6 | 16.3 | 18.2 | 25.5 |
| 155 | 23.3 | 21.5 | 19.5 | 17.4 | 15.5 | 13.9 | 12.5 | 12.1 | 11.6 | 11.4 | 11.4 | 11.5 | 12.1 | 12.8 | 14.0 | 15.3 | 16.8 | 18.4 | 25.2 |
| 160 | 23.3 | 21.9 | 20.3 | 18.6 | 17.1 | 15.8 | 14.5 | 14.3 | 13.9 | 13.8 | 13.7 | 13.8 | 14.2 | 14.6 | 15.4 | 16.4 | 17.7 | 19.2 | 24.9 |
| 165 | 23.2 | 22.1 | 20.8 | 19.5 | 18.2 | 17.2 | 16.0 | 16.0 | 15.7 | 15.6 | 15.6 | 15.4 | 15.7 | 15.9 | 16.5 | 17.3 | 18.4 | 19.6 | 24.6 |
| 170 | 23.4 | 22.7 | 21.9 | 21.0 | 20.2 | 19.5 | 18.5 | 18.8 | 18.4 | 18.3 | 18.3 | 18.1 | 18.1 | 18.1 | 18.6 | 19.1 | 19.8 | 20.7 | 24.4 |
| 175 | 23.9 | 23.4 | 22.8 | 22.2 | 21.6 | 21.1 | 20.3 | 20.6 | 20.3 | 20.2 | 20.2 | 19.9 | 20.0 | 19.9 | 20.2 | 20.5 | 21.0 | 21.7 | 24.5 |
| 180 | 24.6 | 24.3 | 24.0 | 23.8 | 23.5 | 23.4 | 22.8 | 23.2 | 23.0 | 23.2 | 23.4 | 23.3 | 23.3 | 23.1 | 23.1 | 23.0 | 23.0 | 23.2 | 24.6 |

***C Range:  0 - 360DEG***
***C Interval: 10.0DEG***
***Test Speed: HIGH***
***Temperature:25±1°CDEG***
***Operators:Kevin Delgado***
***Test Date:2026-06-17***

***γ Range:  0 - 180DEG***
***γ Interval:  2.0DEG***
***Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10***
***Humidity:MAX:52.7-MIN:43.0%***
***Test Distance:7.080m [K=1.0000]***
***Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI***
***DRIVER XITANIUM 100W 1.1A 0-10V***
***MOD FF BOARD 2X6/740 5050 DA_UHE (4K)***
***Lentes: RA10MIII***

# LUMINOUS DISTRIBUTION INTENSITY DATA

| Test:U:220.00V I:0.3881A P:84.567W PF:0.9905 Freq:60.01Hz Lamp Flux:12500.4x1 lm | | |
|---|---|---|
| NAME: ANEXO 26-0328-2-A KAYRA II 36 LED | TYPE:ALUMBRADO PUBLICO | WEIGHT:---- |
| SPEC.:36 LED 85W | DIM.: ---- | SERIAL No.:26-0328-2 |
| MFR.: ROY ALPHA S.A | SUR.:----- | Shielding Angle:----- |

Table--2 UNIT: cd

| γ (DEG) \ C(DEG) | 190 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 | 350 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | | |
| 5 | 2597 | 2542 | 2488 | 2429 | 2376 | 2325 | 2285 | 2253 | 2240 | 2270 | 2265 | 2314 | 2342 | 2410 | 2464 | 2530 | 2598 | | |
| 10 | 2509 | 2349 | 2172 | 2001 | 1842 | 1720 | 1627 | 1579 | 1565 | 1596 | 1620 | 1710 | 1809 | 1973 | 2150 | 2339 | 2528 | | |
| 15 | 2461 | 2219 | 1954 | 1711 | 1532 | 1415 | 1335 | 1292 | 1288 | 1311 | 1338 | 1424 | 1528 | 1702 | 1940 | 2221 | 2492 | | |
| 20 | 2392 | 2016 | 1640 | 1380 | 1224 | 1168 | 1134 | 1117 | 1120 | 1136 | 1147 | 1198 | 1248 | 1404 | 1663 | 2054 | 2457 | | |
| 25 | 2344 | 1870 | 1462 | 1218 | 1124 | 1072 | 1037 | 1024 | 1028 | 1041 | 1052 | 1103 | 1154 | 1250 | 1504 | 1935 | 2430 | | |
| 30 | 2310 | 1669 | 1244 | 1073 | 1001 | 956 | 935 | 923 | 926 | 940 | 951 | 986 | 1031 | 1111 | 1295 | 1767 | 2438 | | |
| 35 | 2330 | 1585 | 1153 | 1007 | 938 | 902 | 881 | 868 | 869 | 886 | 898 | 929 | 968 | 1045 | 1194 | 1698 | 2485 | | |
| 40 | 2411 | 1530 | 1089 | 952 | 876 | 836 | 825 | 805 | 806 | 827 | 843 | 860 | 902 | 982 | 1122 | 1673 | 2621 | | |
| 45 | 2583 | 1554 | 1073 | 925 | 843 | 812 | 799 | 788 | 797 | 809 | 818 | 835 | 857 | 955 | 1125 | 1751 | 2861 | | |
| 50 | 2595 | 1552 | 1174 | 970 | 828 | 863 | 833 | 840 | 853 | 850 | 854 | 867 | 847 | 1082 | 1301 | 1917 | 3096 | | |
| 55 | 2539 | 1453 | 954 | 861 | 895 | 899 | 824 | 785 | 787 | 796 | 857 | 884 | 952 | 937 | 1062 | 1786 | 2980 | | |
| 60 | 2655 | 1512 | 861 | 707 | 694 | 822 | 734 | 644 | 646 | 671 | 816 | 793 | 719 | 762 | 977 | 1859 | 3120 | | |
| 65 | 2813 | 1587 | 850 | 634 | 596 | 637 | 567 | 523 | 525 | 544 | 640 | 658 | 621 | 688 | 985 | 1953 | 3293 | | |
| 70 | 2758 | 1606 | 818 | 524 | 432 | 439 | 404 | 378 | 378 | 386 | 428 | 450 | 455 | 601 | 1017 | 2036 | 3230 | | |
| 75 | 2283 | 1426 | 764 | 435 | 314 | 320 | 298 | 253 | 238 | 265 | 323 | 321 | 327 | 528 | 972 | 1903 | 2766 | | |
| 80 | 670 | 305 | 223 | 224 | 137 | 125 | 96.5 | 77.9 | 74.1 | 84.8 | 120 | 127 | 166 | 250 | 256 | 574 | 874 | | |
| 85 | 126 | 51.6 | 54.3 | 48.4 | 36.3 | 31.2 | 24.8 | 19.7 | 16.8 | 21.8 | 28.1 | 32.9 | 43.2 | 59.0 | 53.3 | 115 | 182 | | |
| 90 | 14.6 | 14.7 | 12.7 | 9.04 | 5.57 | 3.17 | 2.21 | 1.83 | 1.81 | 2.06 | 2.70 | 4.19 | 7.02 | 10.6 | 13.9 | 15.5 | 15.0 | | |
| 95 | 18.2 | 18.5 | 16.5 | 12.4 | 8.23 | 5.03 | 3.56 | 3.08 | 2.96 | 3.34 | 4.21 | 6.35 | 9.90 | 14.1 | 17.7 | 19.2 | 18.1 | | |
| 100 | 23.4 | 23.9 | 21.7 | 17.5 | 12.8 | 8.72 | 6.46 | 5.56 | 5.50 | 6.02 | 7.51 | 10.5 | 14.8 | 19.5 | 23.3 | 24.9 | 23.8 | | |
| 105 | 25.6 | 26.0 | 23.9 | 20.0 | 15.6 | 11.5 | 8.80 | 7.70 | 7.65 | 8.27 | 10.08 | 13.5 | 17.7 | 22.1 | 25.7 | 27.5 | 26.5 | | |
| 110 | 27.8 | 28.3 | 26.2 | 22.8 | 19.0 | 15.2 | 12.4 | 11.2 | 11.2 | 11.9 | 13.9 | 17.5 | 21.3 | 25.2 | 28.5 | 30.2 | 29.1 | | |
| 115 | 28.7 | 29.4 | 27.7 | 24.6 | 21.0 | 17.3 | 14.7 | 13.5 | 13.5 | 14.3 | 16.3 | 19.9 | 23.7 | 27.4 | 30.3 | 31.5 | 30.1 | | |
| 120 | 29.7 | 30.1 | 29.0 | 26.6 | 23.5 | 20.3 | 18.1 | 17.0 | 17.0 | 17.9 | 19.7 | 23.4 | 27.4 | 30.9 | 32.8 | 32.8 | 30.7 | | |
| 125 | 29.6 | 29.7 | 28.7 | 26.8 | 24.6 | 22.2 | 20.4 | 19.4 | 19.5 | 20.5 | 22.1 | 25.7 | 29.4 | 32.6 | 33.7 | 32.8 | 30.2 | | |
| 130 | 29.0 | 28.5 | 27.1 | 26.1 | 25.4 | 24.3 | 23.4 | 22.7 | 22.9 | 24.0 | 25.5 | 28.4 | 31.6 | 34.1 | 33.9 | 31.7 | 28.4 | | |
| 135 | 28.9 | 28.0 | 26.5 | 25.7 | 25.5 | 25.0 | 24.6 | 24.3 | 24.6 | 25.8 | 27.2 | 29.7 | 32.6 | 34.3 | 33.7 | 31.0 | 27.4 | | |
| 140 | 28.2 | 27.7 | 26.4 | 25.8 | 25.6 | 25.7 | 25.8 | 25.9 | 26.4 | 27.7 | 28.9 | 30.9 | 32.8 | 33.8 | 32.5 | 29.5 | 25.9 | | |
| 145 | 27.5 | 27.2 | 26.3 | 25.8 | 25.9 | 26.0 | 26.4 | 26.7 | 27.2 | 28.4 | 29.5 | 31.4 | 32.6 | 33.0 | 31.6 | 28.7 | 25.1 | | |
| 150 | 26.5 | 26.4 | 26.1 | 26.0 | 26.1 | 26.2 | 26.9 | 27.3 | 27.9 | 29.0 | 29.9 | 31.2 | 31.9 | 31.8 | 30.1 | 27.6 | 24.2 | | |
| 155 | 26.2 | 26.3 | 26.1 | 26.1 | 26.0 | 26.2 | 26.9 | 27.4 | 28.1 | 29.0 | 29.7 | 30.6 | 31.0 | 30.8 | 29.2 | 27.1 | 24.1 | | |
| 160 | 25.7 | 26.0 | 26.0 | 26.0 | 26.0 | 25.9 | 26.5 | 26.9 | 27.5 | 28.3 | 28.7 | 29.3 | 29.2 | 28.9 | 27.8 | 26.3 | 24.3 | | |
| 165 | 25.2 | 25.6 | 25.7 | 25.8 | 26.0 | 25.8 | 26.3 | 26.5 | 26.9 | 27.5 | 27.8 | 28.3 | 28.1 | 27.8 | 27.0 | 25.8 | 24.2 | | |
| 170 | 24.8 | 25.0 | 25.2 | 25.2 | 25.4 | 25.2 | 25.7 | 25.8 | 26.1 | 26.5 | 26.5 | 26.8 | 26.5 | 26.2 | 25.6 | 24.8 | 23.9 | | |
| 175 | 24.7 | 24.7 | 24.7 | 24.8 | 24.8 | 24.5 | 25.0 | 25.0 | 25.2 | 25.6 | 25.5 | 25.7 | 25.3 | 25.1 | 24.6 | 24.2 | 23.8 | | |
| 180 | 24.3 | 24.0 | 23.8 | 23.5 | 23.4 | 22.8 | 23.2 | 23.0 | 23.1 | 23.4 | 23.3 | 23.4 | 23.1 | 23.1 | 23.0 | 23.0 | 23.2 | | |

***C Range: 0 - 360DEG***
***C Interval: 10.0DEG***
***Test Speed: HIGH***
***Temperature:25±1°CDEG***
***Operators:Kevin Delgado***
***Test Date:2026-06-17***

***γ Range: 0 - 180DEG***
***γ Interval: 2.0DEG***
***Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10***
***Humidity:MAX:52.7-MIN:43.0%***
***Test Distance:7.080m [K=1.0000]***
***Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI***
***DRIVER XITANIUM 100W 1.1A 0-10V***
***MOD FF BOARD 2X6/740 5050 DA_UHE (4K)***
***Lentes: RA10MIII***

## Photometric Data Table [cd]

| G/C | 0.0 | 10.0 | 20.0 | 30.0 | 40.0 | 50.0 | 60.0 | 70.0 | 80.0 | 90.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 |
| 2.0 | 2654 | 2675 | 2699 | 2722 | 2738 | 2749 | 2767 | 2774 | 2782 | 2792 |
| 4.0 | 2659 | 2699 | 2742 | 2777 | 2809 | 2834 | 2861 | 2882 | 2894 | 2908 |
| 6.0 | 2659 | 2724 | 2783 | 2836 | 2888 | 2934 | 2974 | 3002 | 3018 | 3030 |
| 8.0 | 2657 | 2743 | 2824 | 2899 | 2976 | 3044 | 3092 | 3134 | 3155 | 3170 |
| 10.0 | 2659 | 2766 | 2867 | 2975 | 3074 | 3151 | 3198 | 3242 | 3267 | 3286 |
| 12.0 | 2663 | 2790 | 2921 | 3057 | 3164 | 3242 | 3284 | 3319 | 3336 | 3356 |
| 14.0 | 2668 | 2815 | 2980 | 3136 | 3247 | 3312 | 3342 | 3361 | 3374 | 3397 |
| 16.0 | 2679 | 2845 | 3049 | 3218 | 3323 | 3373 | 3383 | 3399 | 3414 | 3442 |
| 18.0 | 2688 | 2879 | 3118 | 3302 | 3390 | 3422 | 3433 | 3449 | 3463 | 3488 |
| 20.0 | 2696 | 2917 | 3192 | 3387 | 3464 | 3483 | 3482 | 3502 | 3516 | 3545 |
| 22.0 | 2710 | 2966 | 3272 | 3473 | 3537 | 3547 | 3552 | 3581 | 3593 | 3620 |
| 24.0 | 2723 | 3032 | 3372 | 3574 | 3645 | 3645 | 3661 | 3695 | 3722 | 3746 |
| 26.0 | 2758 | 3117 | 3492 | 3707 | 3780 | 3813 | 3863 | 3893 | 3902 | 3928 |
| 28.0 | 2806 | 3224 | 3641 | 3880 | 3994 | 4069 | 4013 | 3921 | 3866 | 3896 |
| 30.0 | 2864 | 3360 | 3835 | 4111 | 4257 | 4180 | 3949 | 3763 | 3676 | 3707 |
| 32.0 | 2941 | 3527 | 4070 | 4405 | 4403 | 4144 | 3823 | 3615 | 3502 | 3529 |
| 34.0 | 3032 | 3710 | 4354 | 4625 | 4443 | 4079 | 3725 | 3494 | 3373 | 3396 |
| 36.0 | 3132 | 3919 | 4637 | 4788 | 4453 | 4025 | 3663 | 3419 | 3285 | 3307 |
| 38.0 | 3239 | 4163 | 4906 | 4908 | 4463 | 4000 | 3624 | 3364 | 3222 | 3233 |
| 40.0 | 3374 | 4410 | 5153 | 5029 | 4488 | 3983 | 3581 | 3318 | 3175 | 3189 |
| 42.0 | 3551 | 4731 | 5372 | 5134 | 4529 | 3979 | 3525 | 3264 | 3141 | 3154 |
| 44.0 | 3814 | 5105 | 5561 | 5250 | 4586 | 3958 | 3454 | 3190 | 3097 | 3130 |
| 46.0 | 4241 | 5360 | 5714 | 5419 | 4667 | 3925 | 3370 | 3100 | 3008 | 3009 |
| 48.0 | 4296 | 5356 | 5886 | 5590 | 4712 | 3865 | 3268 | 3024 | 2864 | 2840 |
| 50.0 | 4042 | 5207 | 5927 | 5655 | 4681 | 3767 | 3160 | 2927 | 2720 | 2709 |
| 52.0 | 3966 | 5211 | 5984 | 5679 | 4631 | 3666 | 3058 | 2736 | 2551 | 2549 |
| 54.0 | 3983 | 5322 | 6117 | 5724 | 4570 | 3548 | 2942 | 2558 | 2372 | 2381 |
| 56.0 | 4057 | 5471 | 6266 | 5770 | 4483 | 3402 | 2777 | 2380 | 2175 | 2180 |
| 58.0 | 4148 | 5612 | 6404 | 5787 | 4349 | 3231 | 2551 | 2165 | 1945 | 1939 |
| 60.0 | 4224 | 5761 | 6516 | 5761 | 4188 | 2993 | 2275 | 1906 | 1670 | 1650 |
| 62.0 | 4308 | 5871 | 6589 | 5675 | 3965 | 2671 | 1943 | 1604 | 1368 | 1345 |
| 64.0 | 4370 | 5998 | 6633 | 5561 | 3656 | 2276 | 1582 | 1280 | 1049 | 1037 |
| 66.0 | 4386 | 6089 | 6631 | 5425 | 3268 | 1833 | 1233 | 957.1 | 729.1 | 718.4 |
| 68.0 | 4411 | 6143 | 6530 | 5264 | 2824 | 1375 | 918.4 | 614.2 | 443.0 | 448.6 |
| 70.0 | 4390 | 6089 | 6322 | 5002 | 2310 | 973.8 | 636.0 | 386.4 | 330.0 | 329.6 |
| 72.0 | 4252 | 5897 | 5957 | 4590 | 1664 | 666.6 | 397.8 | 302.3 | 260.2 | 263.3 |
| 74.0 | 3892 | 5481 | 5340 | 3947 | 1202 | 459.1 | 288.0 | 238.1 | 196.8 | 197.0 |
| 76.0 | 3183 | 4654 | 4499 | 2983 | 740.3 | 346.3 | 222.2 | 173.9 | 150.0 | 151.3 |
| 78.0 | 2249 | 3470 | 3450 | 1814 | 576.8 | 269.6 | 157.5 | 130.0 | 108.6 | 108.5 |
| 80.0 | 1161 | 2008 | 2245 | 931.0 | 491.8 | 198.2 | 113.4 | 93.02 | 79.30 | 79.15 |
| 82.0 | 537.1 | 762.0 | 1287 | 475.5 | 383.7 | 129.4 | 69.43 | 60.70 | 52.85 | 52.32 |
| 84.0 | 204.3 | 421.3 | 331.2 | 276.7 | 217.8 | 72.07 | 40.72 | 34.14 | 27.18 | 15.44 |
| 86.0 | 54.20 | 82.32 | 171.0 | 78.98 | 114.0 | 29.92 | 18.77 | 16.08 | 11.18 | 5.061 |
| 88.0 | 19.35 | 19.17 | 16.92 | 14.20 | 10.76 | 7.668 | 6.103 | 5.877 | 4.206 | 2.124 |
| 90.0 | 13.93 | 11.15 | 8.029 | 5.793 | 4.109 | 2.995 | 2.575 | 2.535 | 2.278 | 1.627 |
| 92.0 | 14.41 | 10.87 | 7.507 | 5.085 | 3.531 | 2.677 | 2.312 | 2.130 | 1.983 | 1.779 |
| 94.0 | 15.72 | 11.84 | 8.178 | 5.485 | 3.795 | 2.881 | 2.483 | 2.303 | 2.174 | 2.039 |
| 96.0 | 16.94 | 12.77 | 8.794 | 5.895 | 4.093 | 3.135 | 2.725 | 2.535 | 2.444 | 2.380 |
| 98.0 | 18.20 | 13.73 | 9.520 | 6.396 | 4.458 | 3.424 | 2.998 | 2.791 | 2.693 | 2.644 |
| 100.0 | 19.40 | 14.68 | 10.22 | 6.900 | 4.818 | 3.721 | 3.266 | 3.044 | 2.947 | 2.907 |
| 102.0 | 20.50 | 15.58 | 10.89 | 7.382 | 5.181 | 4.035 | 3.534 | 3.289 | 3.199 | 3.182 |
| 104.0 | 21.52 | 16.46 | 11.55 | 7.873 | 5.562 | 4.341 | 3.785 | 3.520 | 3.446 | 3.455 |
| 106.0 | 22.49 | 17.29 | 12.20 | 8.366 | 5.937 | 4.625 | 4.035 | 3.758 | 3.700 | 3.727 |
| 108.0 | 23.34 | 18.04 | 12.77 | 8.812 | 6.277 | 4.903 | 4.289 | 3.998 | 3.965 | 3.999 |
| 110.0 | 24.06 | 18.68 | 13.27 | 9.220 | 6.622 | 5.206 | 4.551 | 4.247 | 4.242 | 4.285 |
| 112.0 | 24.64 | 19.19 | 13.73 | 9.611 | 6.994 | 5.520 | 4.810 | 4.511 | 4.519 | 4.574 |
| 114.0 | 25.11 | 19.70 | 14.21 | 10.07 | 7.412 | 5.854 | 5.067 | 4.790 | 4.805 | 4.865 |
| 116.0 | 25.65 | 20.24 | 14.76 | 10.59 | 7.851 | 6.174 | 5.317 | 5.062 | 5.090 | 5.154 |
| 118.0 | 26.20 | 20.82 | 15.34 | 11.12 | 8.290 | 6.485 | 5.563 | 5.327 | 5.363 | 5.433 |
| 120.0 | 26.67 | 21.36 | 15.91 | 11.64 | 8.704 | 6.792 | 5.811 | 5.575 | 5.625 | 5.685 |
| 122.0 | 27.00 | 21.80 | 16.41 | 12.12 | 9.093 | 7.092 | 6.066 | 5.834 | 5.878 | 5.928 |
| 124.0 | 27.18 | 22.11 | 16.86 | 12.55 | 9.445 | 7.387 | 6.326 | 6.098 | 6.116 | 6.156 |
| 126.0 | 27.21 | 22.33 | 17.22 | 12.93 | 9.796 | 7.688 | 6.597 | 6.354 | 6.347 | 6.367 |
| 128.0 | 27.10 | 22.44 | 17.50 | 13.26 | 10.11 | 7.998 | 6.889 | 6.619 | 6.571 | 6.581 |
| 130.0 | 26.86 | 22.45 | 17.72 | 13.55 | 10.41 | 8.320 | 7.197 | 6.889 | 6.794 | 6.791 |
| 132.0 | 26.53 | 22.39 | 17.87 | 13.81 | 10.70 | 8.661 | 7.519 | 7.158 | 7.016 | 6.995 |
| 134.0 | 26.14 | 22.27 | 17.98 | 14.03 | 11.02 | 9.021 | 7.868 | 7.436 | 7.246 | 7.195 |
| 136.0 | 25.75 | 22.13 | 18.06 | 14.25 | 11.37 | 9.381 | 8.232 | 7.739 | 7.484 | 7.404 |
| 138.0 | 25.32 | 21.94 | 18.10 | 14.54 | 11.74 | 9.767 | 8.621 | 8.058 | 7.748 | 7.640 |
| 140.0 | 24.88 | 21.75 | 18.19 | 14.85 | 12.12 | 10.17 | 9.015 | 8.408 | 8.041 | 7.903 |
| 142.0 | 24.50 | 21.63 | 18.35 | 15.16 | 12.52 | 10.61 | 9.425 | 8.792 | 8.379 | 8.220 |
| 144.0 | 24.16 | 21.55 | 18.49 | 15.47 | 12.95 | 11.09 | 9.852 | 9.221 | 8.783 | 8.596 |
| 146.0 | 23.89 | 21.48 | 18.63 | 15.82 | 13.40 | 11.61 | 10.32 | 9.692 | 9.234 | 9.041 |

*C Range: 0 - 360DEG*
*C Interval: 10.0DEG*
*Test Speed: HIGH*
*Temperature:25±1°CDEG*
*Operators:Kevin Delgado*
*Test Date:2026-06-17*

*γ Range: 0 - 180DEG*
*γ Interval: 2.0DEG*
*Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10*
*Humidity:MAX:52.7-MIN:43.0%*
*Test Distance:7.080m [K=1.0000]*
*Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI*
*DRIVER XITANIUM 100W 1.1A 0-10V*
*MOD FF BOARD 2X6/740 5050 DA_UHE (4K)*
*Lentes: RA10MIII*

## Photometric Data Table [cd]

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 148.0 | 23.63 | 21.42 | 18.79 | 16.18 | 13.90 | 12.17 | 10.83 | 10.22 | 9.732 | 9.559 |
| 150.0 | 23.42 | 21.40 | 18.98 | 16.57 | 14.43 | 12.75 | 11.37 | 10.79 | 10.29 | 10.13 |
| 152.0 | 23.26 | 21.43 | 19.23 | 17.02 | 14.98 | 13.34 | 11.94 | 11.40 | 10.91 | 10.76 |
| 154.0 | 23.25 | 21.54 | 19.52 | 17.45 | 15.49 | 13.93 | 12.53 | 12.07 | 11.58 | 11.43 |
| 156.0 | 23.28 | 21.67 | 19.80 | 17.86 | 16.02 | 14.53 | 13.15 | 12.78 | 12.31 | 12.15 |
| 158.0 | 23.27 | 21.77 | 20.07 | 18.25 | 16.55 | 15.15 | 13.77 | 13.53 | 13.09 | 12.93 |
| 160.0 | 23.26 | 21.89 | 20.32 | 18.65 | 17.09 | 15.78 | 14.48 | 14.32 | 13.91 | 13.76 |
| 162.0 | 23.24 | 21.98 | 20.56 | 19.04 | 17.64 | 16.46 | 15.23 | 15.15 | 14.77 | 14.64 |
| 164.0 | 23.21 | 22.09 | 20.83 | 19.49 | 18.24 | 17.18 | 16.01 | 16.01 | 15.66 | 15.56 |
| 166.0 | 23.22 | 22.24 | 21.13 | 19.96 | 18.87 | 17.92 | 16.81 | 16.91 | 16.57 | 16.48 |
| 168.0 | 23.29 | 22.46 | 21.49 | 20.49 | 19.53 | 18.69 | 17.65 | 17.82 | 17.49 | 17.41 |
| 170.0 | 23.43 | 22.73 | 21.92 | 21.04 | 20.20 | 19.48 | 18.54 | 18.76 | 18.42 | 18.33 |
| 172.0 | 23.63 | 23.06 | 22.38 | 21.60 | 20.88 | 20.28 | 19.41 | 19.69 | 19.36 | 19.25 |
| 174.0 | 23.90 | 23.45 | 22.83 | 22.16 | 21.56 | 21.07 | 20.25 | 20.61 | 20.29 | 20.18 |
| 176.0 | 24.20 | 23.83 | 23.24 | 22.73 | 22.24 | 21.85 | 21.09 | 21.49 | 21.18 | 21.13 |
| 178.0 | 24.44 | 24.09 | 23.64 | 23.26 | 22.88 | 22.63 | 21.96 | 22.35 | 22.09 | 22.14 |
| 180.0 | 24.56 | 24.30 | 24.01 | 23.78 | 23.52 | 23.37 | 22.80 | 23.20 | 23.01 | 23.16 |

| G/C | 100.0 | 110.0 | 120.0 | 130.0 | 140.0 | 150.0 | 160.0 | 170.0 | 180.0 | 190.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 |
| 2.0 | 2821 | 2790 | 2801 | 2768 | 2762 | 2732 | 2708 | 2674 | 2648 | 2625 |
| 4.0 | 2932 | 2901 | 2905 | 2865 | 2849 | 2799 | 2754 | 2701 | 2648 | 2597 |
| 6.0 | 3052 | 3010 | 2998 | 2948 | 2915 | 2858 | 2794 | 2720 | 2642 | 2569 |
| 8.0 | 3188 | 3138 | 3112 | 3037 | 2981 | 2906 | 2834 | 2743 | 2643 | 2537 |
| 10.0 | 3306 | 3255 | 3233 | 3146 | 3064 | 2961 | 2871 | 2767 | 2645 | 2509 |
| 12.0 | 3386 | 3353 | 3340 | 3245 | 3155 | 3021 | 2905 | 2788 | 2647 | 2486 |
| 14.0 | 3435 | 3415 | 3422 | 3348 | 3255 | 3095 | 2943 | 2812 | 2651 | 2461 |
| 16.0 | 3480 | 3464 | 3489 | 3443 | 3360 | 3181 | 2988 | 2839 | 2655 | 2437 |
| 18.0 | 3531 | 3515 | 3550 | 3522 | 3462 | 3275 | 3046 | 2864 | 2667 | 2417 |
| 20.0 | 3587 | 3578 | 3618 | 3603 | 3568 | 3376 | 3113 | 2892 | 2677 | 2392 |
| 22.0 | 3664 | 3658 | 3702 | 3700 | 3674 | 3493 | 3199 | 2921 | 2690 | 2366 |
| 24.0 | 3792 | 3774 | 3817 | 3831 | 3810 | 3631 | 3304 | 2976 | 2708 | 2344 |
| 26.0 | 3994 | 3989 | 4016 | 3983 | 3984 | 3790 | 3439 | 3046 | 2743 | 2326 |
| 28.0 | 3998 | 4123 | 4264 | 4240 | 4195 | 3988 | 3606 | 3137 | 2792 | 2317 |
| 30.0 | 3830 | 4032 | 4322 | 4480 | 4487 | 4222 | 3808 | 3247 | 2855 | 2310 |
| 32.0 | 3669 | 3893 | 4261 | 4571 | 4743 | 4533 | 4025 | 3383 | 2927 | 2319 |
| 34.0 | 3548 | 3789 | 4172 | 4583 | 4917 | 4822 | 4287 | 3537 | 3003 | 2330 |
| 36.0 | 3474 | 3728 | 4125 | 4570 | 5024 | 5111 | 4561 | 3704 | 3085 | 2348 |
| 38.0 | 3412 | 3687 | 4099 | 4563 | 5116 | 5351 | 4845 | 3896 | 3176 | 2372 |
| 40.0 | 3368 | 3641 | 4086 | 4578 | 5202 | 5551 | 5159 | 4101 | 3287 | 2411 |
| 42.0 | 3312 | 3571 | 4055 | 4610 | 5286 | 5714 | 5479 | 4338 | 3430 | 2469 |
| 44.0 | 3236 | 3488 | 4006 | 4634 | 5379 | 5874 | 5734 | 4717 | 3646 | 2583 |
| 46.0 | 3146 | 3375 | 3934 | 4643 | 5489 | 6025 | 5829 | 5071 | 3987 | 2810 |
| 48.0 | 3070 | 3271 | 3820 | 4608 | 5566 | 6171 | 5840 | 4921 | 3884 | 2788 |
| 50.0 | 2911 | 3189 | 3685 | 4531 | 5581 | 6247 | 5842 | 4732 | 3664 | 2595 |
| 52.0 | 2723 | 3095 | 3558 | 4438 | 5581 | 6342 | 5958 | 4773 | 3624 | 2539 |
| 54.0 | 2537 | 2903 | 3426 | 4334 | 5554 | 6473 | 6129 | 4894 | 3658 | 2539 |
| 56.0 | 2336 | 2684 | 3267 | 4206 | 5526 | 6603 | 6300 | 5044 | 3729 | 2568 |
| 58.0 | 2103 | 2465 | 3059 | 4028 | 5442 | 6695 | 6470 | 5188 | 3811 | 2613 |
| 60.0 | 1831 | 2196 | 2761 | 3781 | 5297 | 6745 | 6598 | 5318 | 3894 | 2655 |
| 62.0 | 1526 | 1868 | 2391 | 3446 | 5134 | 6751 | 6709 | 5451 | 3974 | 2727 |
| 64.0 | 1196 | 1496 | 1974 | 3019 | 4924 | 6679 | 6809 | 5565 | 4017 | 2813 |
| 66.0 | 848.9 | 1139 | 1521 | 2528 | 4647 | 6539 | 6846 | 5654 | 4009 | 2823 |
| 68.0 | 519.1 | 797.4 | 1157 | 1999 | 4278 | 6333 | 6807 | 5745 | 3974 | 2805 |
| 70.0 | 360.8 | 506.0 | 794.8 | 1411 | 3803 | 6057 | 6650 | 5720 | 3879 | 2758 |
| 72.0 | 283.6 | 346.4 | 538.5 | 921.7 | 3140 | 5671 | 6294 | 5555 | 3679 | 2627 |
| 74.0 | 211.6 | 268.8 | 366.3 | 645.8 | 2215 | 5051 | 5648 | 5082 | 3180 | 2283 |
| 76.0 | 160.1 | 202.6 | 273.8 | 483.8 | 1383 | 4176 | 4642 | 4094 | 2384 | 1672 |
| 78.0 | 124.4 | 144.0 | 203.1 | 387.2 | 980.0 | 2799 | 3407 | 2724 | 1524 | 1128 |
| 80.0 | 88.87 | 99.17 | 139.6 | 287.4 | 796.2 | 1424 | 2037 | 1355 | 759.1 | 669.8 |
| 82.0 | 59.66 | 62.92 | 89.88 | 178.6 | 535.4 | 512.3 | 1168 | 513.9 | 351.3 | 330.5 |
| 84.0 | 34.31 | 36.07 | 52.98 | 92.31 | 238.3 | 176.7 | 302.8 | 171.2 | 129.6 | 125.5 |
| 86.0 | 15.60 | 17.19 | 23.72 | 33.64 | 123.9 | 47.58 | 157.9 | 41.86 | 33.98 | 33.76 |
| 88.0 | 5.399 | 5.909 | 6.289 | 7.033 | 9.663 | 10.97 | 13.47 | 14.63 | 14.67 | 15.85 |
| 90.0 | 2.539 | 2.734 | 2.814 | 3.124 | 3.950 | 5.446 | 7.438 | 10.48 | 12.31 | 14.60 |
| 92.0 | 2.031 | 2.160 | 2.382 | 2.809 | 3.708 | 5.279 | 7.912 | 11.47 | 13.82 | 16.29 |
| 94.0 | 2.262 | 2.365 | 2.596 | 3.058 | 4.023 | 5.754 | 8.714 | 12.64 | 15.42 | 18.19 |
| 96.0 | 2.488 | 2.610 | 2.856 | 3.354 | 4.442 | 6.351 | 9.602 | 13.88 | 17.07 | 20.11 |
| 98.0 | 2.737 | 2.858 | 3.111 | 3.641 | 4.836 | 6.954 | 10.47 | 15.06 | 18.66 | 21.89 |
| 100.0 | 2.999 | 3.119 | 3.384 | 3.929 | 5.217 | 7.523 | 11.34 | 16.22 | 20.07 | 23.40 |
| 102.0 | 3.257 | 3.373 | 3.647 | 4.220 | 5.590 | 8.062 | 12.19 | 17.38 | 21.27 | 24.61 |
| 104.0 | 3.507 | 3.622 | 3.908 | 4.512 | 5.957 | 8.593 | 12.99 | 18.48 | 22.28 | 25.61 |
| 106.0 | 3.764 | 3.869 | 4.172 | 4.809 | 6.344 | 9.122 | 13.76 | 19.48 | 23.14 | 26.49 |
| 108.0 | 4.014 | 4.115 | 4.437 | 5.101 | 6.718 | 9.638 | 14.44 | 20.35 | 23.86 | 27.21 |
| 110.0 | 4.281 | 4.351 | 4.705 | 5.399 | 7.089 | 10.12 | 15.06 | 21.11 | 24.44 | 27.80 |

**C Range: 0 - 360DEG**
**C Interval: 10.0DEG**
**Test Speed: HIGH**
**Temperature:25±1°CDEG**
**Operators:Kevin Delgado**
**Test Date:2026-06-17**

**γ Range: 0 - 180DEG**
**γ Interval: 2.0DEG**
**Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10**
**Humidity:MAX:52.7-MIN:43.0%**
**Test Distance:7.080m [K=1.0000]**
**Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI**
**DRIVER XITANIUM 100W 1.1A 0-10V**
**MOD FF BOARD 2X6/740 5050 DA_UHE (4K)**
**Lentes: RA10MIII**

## Photometric Data Table [cd]

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 112.0 | 4.522 | 4.585 | 4.964 | 5.736 | 7.486 | 10.58 | 15.61 | 21.74 | 24.94 | 28.29 |
| 114.0 | 4.798 | 4.822 | 5.215 | 6.084 | 7.909 | 11.07 | 16.14 | 22.28 | 25.42 | 28.74 |
| 116.0 | 5.077 | 5.068 | 5.456 | 6.421 | 8.355 | 11.58 | 16.67 | 22.79 | 25.95 | 29.17 |
| 118.0 | 5.352 | 5.297 | 5.671 | 6.716 | 8.749 | 12.04 | 17.10 | 23.14 | 26.47 | 29.50 |
| 120.0 | 5.603 | 5.515 | 5.887 | 6.964 | 9.074 | 12.38 | 17.38 | 23.25 | 26.89 | 29.65 |
| 122.0 | 5.846 | 5.738 | 6.090 | 7.175 | 9.307 | 12.58 | 17.46 | 23.14 | 27.21 | 29.69 |
| 124.0 | 6.071 | 5.959 | 6.293 | 7.369 | 9.484 | 12.70 | 17.40 | 22.87 | 27.42 | 29.59 |
| 126.0 | 6.286 | 6.188 | 6.508 | 7.563 | 9.636 | 12.75 | 17.28 | 22.48 | 27.54 | 29.38 |
| 128.0 | 6.501 | 6.417 | 6.747 | 7.754 | 9.783 | 12.79 | 17.09 | 22.03 | 27.62 | 29.17 |
| 130.0 | 6.707 | 6.643 | 7.004 | 7.993 | 9.942 | 12.84 | 16.87 | 21.49 | 27.67 | 29.03 |
| 132.0 | 6.897 | 6.869 | 7.261 | 8.285 | 10.13 | 12.89 | 16.68 | 20.97 | 27.67 | 28.97 |
| 134.0 | 7.098 | 7.098 | 7.528 | 8.603 | 10.39 | 12.94 | 16.51 | 20.48 | 27.61 | 28.88 |
| 136.0 | 7.297 | 7.332 | 7.825 | 8.933 | 10.73 | 13.08 | 16.32 | 20.02 | 27.49 | 28.72 |
| 138.0 | 7.522 | 7.587 | 8.141 | 9.269 | 11.08 | 13.31 | 16.21 | 19.56 | 27.24 | 28.46 |
| 140.0 | 7.782 | 7.868 | 8.493 | 9.605 | 11.40 | 13.58 | 16.20 | 19.20 | 26.93 | 28.16 |
| 142.0 | 8.101 | 8.212 | 8.885 | 9.956 | 11.70 | 13.82 | 16.23 | 18.94 | 26.60 | 27.88 |
| 144.0 | 8.490 | 8.615 | 9.308 | 10.34 | 11.99 | 13.98 | 16.21 | 18.70 | 26.27 | 27.52 |
| 146.0 | 8.961 | 9.091 | 9.762 | 10.76 | 12.30 | 14.16 | 16.20 | 18.49 | 25.97 | 27.11 |
| 148.0 | 9.505 | 9.622 | 10.28 | 11.22 | 12.64 | 14.35 | 16.23 | 18.33 | 25.70 | 26.79 |
| 150.0 | 10.09 | 10.20 | 10.83 | 11.71 | 13.03 | 14.59 | 16.31 | 18.24 | 25.48 | 26.51 |
| 152.0 | 10.73 | 10.83 | 11.45 | 12.24 | 13.48 | 14.91 | 16.47 | 18.26 | 25.28 | 26.27 |
| 154.0 | 11.43 | 11.51 | 12.09 | 12.81 | 13.96 | 15.31 | 16.79 | 18.44 | 25.19 | 26.15 |
| 156.0 | 12.15 | 12.21 | 12.75 | 13.38 | 14.43 | 15.70 | 17.12 | 18.69 | 25.09 | 26.03 |
| 158.0 | 12.92 | 12.96 | 13.45 | 13.96 | 14.89 | 16.05 | 17.43 | 18.93 | 24.99 | 25.87 |
| 160.0 | 13.75 | 13.75 | 14.16 | 14.56 | 15.37 | 16.41 | 17.73 | 19.16 | 24.86 | 25.66 |
| 162.0 | 14.63 | 14.59 | 14.92 | 15.21 | 15.89 | 16.82 | 18.04 | 19.39 | 24.70 | 25.42 |
| 164.0 | 15.57 | 15.45 | 15.68 | 15.88 | 16.47 | 17.29 | 18.39 | 19.64 | 24.58 | 25.22 |
| 166.0 | 16.50 | 16.31 | 16.45 | 16.58 | 17.12 | 17.83 | 18.81 | 19.95 | 24.48 | 25.04 |
| 168.0 | 17.41 | 17.18 | 17.27 | 17.33 | 17.83 | 18.41 | 19.29 | 20.32 | 24.41 | 24.89 |
| 170.0 | 18.32 | 18.06 | 18.12 | 18.13 | 18.57 | 19.06 | 19.80 | 20.73 | 24.40 | 24.78 |
| 172.0 | 19.22 | 18.95 | 19.01 | 18.99 | 19.36 | 19.75 | 20.36 | 21.19 | 24.45 | 24.72 |
| 174.0 | 20.16 | 19.92 | 20.00 | 19.91 | 20.21 | 20.49 | 20.98 | 21.70 | 24.54 | 24.65 |
| 176.0 | 21.18 | 20.98 | 21.05 | 20.93 | 21.15 | 21.32 | 21.68 | 22.26 | 24.63 | 24.57 |
| 178.0 | 22.28 | 22.13 | 22.20 | 22.05 | 22.16 | 22.21 | 22.39 | 22.77 | 24.61 | 24.46 |
| 180.0 | 23.38 | 23.27 | 23.34 | 23.13 | 23.12 | 23.04 | 23.03 | 23.22 | 24.57 | 24.28 |

| G/C | 200.0 | 210.0 | 220.0 | 230.0 | 240.0 | 250.0 | 260.0 | 270.0 | 280.0 | 290.0 |
|---|---|---|---|---|---|---|---|---|---|---|
| 0.0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 |
| 2.0 | 2602 | 2576 | 2541 | 2525 | 2505 | 2485 | 2467 | 2462 | 2484 | 2472 |
| 4.0 | 2542 | 2488 | 2429 | 2376 | 2325 | 2285 | 2253 | 2240 | 2270 | 2265 |
| 6.0 | 2482 | 2389 | 2297 | 2208 | 2127 | 2059 | 2015 | 2000 | 2031 | 2041 |
| 8.0 | 2417 | 2282 | 2151 | 2025 | 1920 | 1831 | 1779 | 1759 | 1791 | 1812 |
| 10.0 | 2349 | 2172 | 2001 | 1842 | 1720 | 1627 | 1579 | 1565 | 1596 | 1620 |
| 12.0 | 2283 | 2061 | 1852 | 1674 | 1551 | 1470 | 1423 | 1412 | 1440 | 1468 |
| 14.0 | 2219 | 1954 | 1711 | 1532 | 1415 | 1335 | 1292 | 1288 | 1311 | 1338 |
| 16.0 | 2152 | 1846 | 1589 | 1411 | 1297 | 1244 | 1224 | 1227 | 1244 | 1256 |
| 18.0 | 2087 | 1739 | 1480 | 1305 | 1220 | 1186 | 1169 | 1173 | 1189 | 1202 |
| 20.0 | 2016 | 1640 | 1380 | 1224 | 1168 | 1134 | 1117 | 1120 | 1136 | 1147 |
| 22.0 | 1944 | 1549 | 1290 | 1171 | 1119 | 1083 | 1067 | 1073 | 1086 | 1097 |
| 24.0 | 1870 | 1462 | 1218 | 1124 | 1072 | 1037 | 1024 | 1028 | 1041 | 1052 |
| 26.0 | 1797 | 1384 | 1162 | 1082 | 1028 | 996.5 | 986.1 | 990.8 | 1005 | 1015 |
| 28.0 | 1729 | 1308 | 1115 | 1040 | 989.4 | 963.9 | 953.3 | 956.9 | 972.2 | 981.8 |
| 30.0 | 1669 | 1244 | 1073 | 1001 | 955.6 | 934.6 | 922.7 | 925.8 | 940.1 | 951.5 |
| 32.0 | 1621 | 1187 | 1038 | 967.9 | 926.4 | 904.2 | 893.8 | 895.3 | 912.0 | 923.0 |
| 34.0 | 1585 | 1153 | 1007 | 938.5 | 902.2 | 880.7 | 867.5 | 868.8 | 886.0 | 897.9 |
| 36.0 | 1557 | 1119 | 983.4 | 916.7 | 877.8 | 859.6 | 842.3 | 843.2 | 862.5 | 876.0 |
| 38.0 | 1539 | 1102 | 966.3 | 896.1 | 855.6 | 841.1 | 823.2 | 823.1 | 842.1 | 858.5 |
| 40.0 | 1530 | 1089 | 951.8 | 876.1 | 836.0 | 825.4 | 805.5 | 806.0 | 826.6 | 842.6 |
| 42.0 | 1532 | 1078 | 938.5 | 857.8 | 820.7 | 812.3 | 792.5 | 798.3 | 813.6 | 829.3 |
| 44.0 | 1554 | 1073 | 925.0 | 843.5 | 812.3 | 798.7 | 787.7 | 797.4 | 808.9 | 817.7 |
| 46.0 | 1649 | 1097 | 912.9 | 830.9 | 815.8 | 797.0 | 797.6 | 811.4 | 819.5 | 821.6 |
| 48.0 | 1720 | 1193 | 912.0 | 824.0 | 837.7 | 813.7 | 815.6 | 832.3 | 836.6 | 839.3 |
| 50.0 | 1552 | 1174 | 969.9 | 828.2 | 863.4 | 833.3 | 839.9 | 853.3 | 849.9 | 854.1 |
| 52.0 | 1466 | 1031 | 981.7 | 848.6 | 888.9 | 849.1 | 829.4 | 836.0 | 836.9 | 868.3 |
| 54.0 | 1453 | 953.6 | 861.5 | 895.2 | 898.7 | 824.4 | 785.2 | 787.4 | 796.0 | 857.5 |
| 56.0 | 1465 | 909.6 | 792.0 | 838.0 | 878.1 | 805.8 | 744.3 | 744.6 | 758.4 | 846.5 |
| 58.0 | 1486 | 880.5 | 748.6 | 755.4 | 873.8 | 790.4 | 707.1 | 702.8 | 732.2 | 851.6 |
| 60.0 | 1512 | 861.4 | 706.7 | 694.5 | 822.4 | 733.8 | 643.7 | 645.9 | 671.2 | 816.3 |
| 62.0 | 1548 | 850.0 | 666.0 | 644.0 | 731.3 | 643.7 | 578.4 | 583.2 | 604.4 | 748.8 |
| 64.0 | 1587 | 850.4 | 633.8 | 596.4 | 637.1 | 566.9 | 523.2 | 524.9 | 543.8 | 640.4 |
| 66.0 | 1600 | 849.2 | 601.8 | 547.0 | 567.1 | 512.8 | 470.2 | 471.9 | 488.2 | 547.6 |
| 68.0 | 1611 | 830.0 | 566.3 | 492.6 | 502.6 | 458.3 | 421.7 | 421.7 | 434.4 | 486.6 |
| 70.0 | 1606 | 818.0 | 524.1 | 431.9 | 438.5 | 403.6 | 378.4 | 377.6 | 386.5 | 428.4 |
| 72.0 | 1582 | 805.9 | 478.2 | 371.2 | 376.7 | 357.5 | 333.0 | 327.6 | 341.8 | 376.0 |
| 74.0 | 1426 | 763.6 | 434.9 | 314.1 | 319.9 | 297.7 | 252.9 | 238.0 | 264.5 | 322.9 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2026-06-17

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:52.7-MIN:43.0%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

## Photometric Data Table [cd]

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 76.0 | 1041 | 592.9 | 396.7 | 256.6 | 264.0 | 218.9 | 173.0 | 165.2 | 187.4 | 249.4 |
| 78.0 | 614.4 | 376.4 | 334.0 | 203.0 | 199.8 | 150.2 | 122.4 | 119.6 | 131.3 | 176.4 |
| 80.0 | 305.5 | 222.5 | 224.1 | 136.5 | 125.5 | 96.50 | 77.92 | 74.12 | 84.81 | 119.9 |
| 82.0 | 130.8 | 124.7 | 114.5 | 80.08 | 66.94 | 55.86 | 43.78 | 40.52 | 47.79 | 63.55 |
| 84.0 | 51.61 | 54.28 | 48.43 | 36.30 | 31.19 | 24.78 | 19.66 | 16.80 | 21.82 | 28.06 |
| 86.0 | 23.02 | 21.75 | 18.43 | 12.32 | 10.85 | 8.209 | 5.429 | 5.022 | 7.382 | 9.136 |
| 88.0 | 15.11 | 12.80 | 9.376 | 6.159 | 4.120 | 3.066 | 1.886 | 1.992 | 2.406 | 3.409 |
| 90.0 | 14.67 | 12.65 | 9.038 | 5.568 | 3.167 | 2.208 | 1.828 | 1.811 | 2.058 | 2.696 |
| 92.0 | 16.49 | 14.44 | 10.64 | 6.810 | 4.004 | 2.806 | 2.387 | 2.329 | 2.600 | 3.341 |
| 94.0 | 18.50 | 16.45 | 12.45 | 8.230 | 5.027 | 3.564 | 3.079 | 2.960 | 3.337 | 4.215 |
| 96.0 | 20.55 | 18.46 | 14.25 | 9.721 | 6.155 | 4.445 | 3.760 | 3.710 | 4.114 | 5.217 |
| 98.0 | 22.40 | 20.28 | 15.95 | 11.27 | 7.398 | 5.413 | 4.618 | 4.562 | 5.020 | 6.317 |
| 100.0 | 23.89 | 21.75 | 17.48 | 12.81 | 8.720 | 6.464 | 5.558 | 5.500 | 6.018 | 7.511 |
| 102.0 | 25.04 | 22.93 | 18.86 | 14.28 | 10.08 | 7.610 | 6.597 | 6.539 | 7.117 | 8.780 |
| 104.0 | 26.00 | 23.91 | 20.04 | 15.62 | 11.47 | 8.803 | 7.701 | 7.652 | 8.275 | 10.08 |
| 106.0 | 26.87 | 24.76 | 21.05 | 16.86 | 12.82 | 10.02 | 8.856 | 8.811 | 9.478 | 11.40 |
| 108.0 | 27.64 | 25.52 | 21.94 | 17.96 | 14.07 | 11.24 | 10.03 | 9.984 | 10.69 | 12.70 |
| 110.0 | 28.31 | 26.24 | 22.81 | 19.01 | 15.25 | 12.43 | 11.20 | 11.17 | 11.91 | 13.93 |
| 112.0 | 28.88 | 26.96 | 23.71 | 20.04 | 16.32 | 13.57 | 12.38 | 12.34 | 13.10 | 15.12 |
| 114.0 | 29.42 | 27.70 | 24.63 | 21.01 | 17.32 | 14.69 | 13.54 | 13.51 | 14.28 | 16.25 |
| 116.0 | 29.85 | 28.35 | 25.50 | 21.87 | 18.30 | 15.80 | 14.69 | 14.66 | 15.47 | 17.38 |
| 118.0 | 30.08 | 28.80 | 26.21 | 22.71 | 19.30 | 16.93 | 15.83 | 15.82 | 16.68 | 18.51 |
| 120.0 | 30.11 | 28.98 | 26.65 | 23.45 | 20.31 | 18.09 | 17.01 | 17.01 | 17.93 | 19.69 |
| 122.0 | 29.97 | 28.94 | 26.83 | 24.08 | 21.31 | 19.26 | 18.21 | 18.22 | 19.20 | 20.89 |
| 124.0 | 29.74 | 28.67 | 26.81 | 24.57 | 22.23 | 20.44 | 19.43 | 19.47 | 20.50 | 22.11 |
| 126.0 | 29.39 | 28.20 | 26.63 | 24.95 | 23.06 | 21.55 | 20.60 | 20.69 | 21.77 | 23.32 |
| 128.0 | 28.94 | 27.61 | 26.38 | 25.20 | 23.73 | 22.56 | 21.71 | 21.86 | 22.96 | 24.46 |
| 130.0 | 28.48 | 27.07 | 26.10 | 25.38 | 24.27 | 23.40 | 22.71 | 22.92 | 24.05 | 25.49 |
| 132.0 | 28.16 | 26.67 | 25.85 | 25.45 | 24.68 | 24.07 | 23.57 | 23.83 | 25.00 | 26.39 |
| 134.0 | 27.97 | 26.46 | 25.69 | 25.46 | 25.00 | 24.64 | 24.30 | 24.63 | 25.82 | 27.17 |
| 136.0 | 27.87 | 26.35 | 25.66 | 25.49 | 25.27 | 25.11 | 24.94 | 25.32 | 26.54 | 27.86 |
| 138.0 | 27.78 | 26.39 | 25.71 | 25.53 | 25.50 | 25.51 | 25.48 | 25.92 | 27.17 | 28.42 |
| 140.0 | 27.67 | 26.41 | 25.77 | 25.63 | 25.71 | 25.84 | 25.91 | 26.41 | 27.68 | 28.87 |
| 142.0 | 27.49 | 26.39 | 25.77 | 25.74 | 25.86 | 26.13 | 26.30 | 26.85 | 28.08 | 29.24 |
| 144.0 | 27.22 | 26.32 | 25.80 | 25.87 | 25.98 | 26.39 | 26.65 | 27.24 | 28.42 | 29.54 |
| 146.0 | 26.90 | 26.16 | 25.81 | 25.96 | 26.06 | 26.59 | 26.93 | 27.53 | 28.69 | 29.73 |
| 148.0 | 26.64 | 26.08 | 25.89 | 26.06 | 26.15 | 26.78 | 27.15 | 27.75 | 28.88 | 29.84 |
| 150.0 | 26.45 | 26.06 | 25.96 | 26.06 | 26.21 | 26.91 | 27.32 | 27.93 | 29.00 | 29.86 |
| 152.0 | 26.33 | 26.08 | 26.03 | 26.05 | 26.21 | 26.96 | 27.41 | 28.05 | 29.07 | 29.79 |
| 154.0 | 26.31 | 26.14 | 26.06 | 26.05 | 26.17 | 26.93 | 27.41 | 28.06 | 29.04 | 29.66 |
| 156.0 | 26.28 | 26.15 | 26.03 | 26.04 | 26.05 | 26.79 | 27.28 | 27.95 | 28.87 | 29.41 |
| 158.0 | 26.19 | 26.12 | 26.03 | 26.04 | 25.99 | 26.67 | 27.11 | 27.76 | 28.60 | 29.08 |
| 160.0 | 26.02 | 26.02 | 25.99 | 26.03 | 25.93 | 26.53 | 26.91 | 27.49 | 28.26 | 28.67 |
| 162.0 | 25.78 | 25.85 | 25.87 | 25.95 | 25.83 | 26.37 | 26.63 | 27.13 | 27.86 | 28.21 |
| 164.0 | 25.60 | 25.74 | 25.83 | 25.96 | 25.81 | 26.25 | 26.45 | 26.88 | 27.50 | 27.78 |
| 166.0 | 25.41 | 25.62 | 25.74 | 25.86 | 25.73 | 26.19 | 26.34 | 26.72 | 27.25 | 27.40 |
| 168.0 | 25.21 | 25.42 | 25.50 | 25.63 | 25.51 | 26.01 | 26.13 | 26.46 | 26.92 | 26.97 |
| 170.0 | 25.03 | 25.16 | 25.22 | 25.37 | 25.22 | 25.72 | 25.79 | 26.10 | 26.51 | 26.50 |
| 172.0 | 24.84 | 24.93 | 25.01 | 25.11 | 24.89 | 25.40 | 25.43 | 25.70 | 26.06 | 26.02 |
| 174.0 | 24.68 | 24.74 | 24.76 | 24.81 | 24.53 | 25.00 | 25.02 | 25.24 | 25.55 | 25.49 |
| 176.0 | 24.53 | 24.50 | 24.46 | 24.43 | 24.07 | 24.51 | 24.49 | 24.68 | 24.96 | 24.88 |
| 178.0 | 24.32 | 24.18 | 24.05 | 23.96 | 23.53 | 23.92 | 23.84 | 24.02 | 24.30 | 24.18 |
| 180.0 | 24.03 | 23.77 | 23.53 | 23.35 | 22.82 | 23.19 | 23.03 | 23.15 | 23.39 | 23.26 |

| G/C | 300.0 | 310.0 | 320.0 | 330.0 | 340.0 | 350.0 |
|---|---|---|---|---|---|---|
| 0.0 | 2653 | 2653 | 2653 | 2653 | 2653 | 2653 |
| 2.0 | 2504 | 2506 | 2543 | 2564 | 2591 | 2625 |
| 4.0 | 2314 | 2342 | 2410 | 2464 | 2530 | 2598 |
| 6.0 | 2111 | 2167 | 2268 | 2360 | 2466 | 2574 |
| 8.0 | 1900 | 1986 | 2124 | 2257 | 2401 | 2549 |
| 10.0 | 1710 | 1809 | 1973 | 2150 | 2339 | 2528 |
| 12.0 | 1554 | 1656 | 1832 | 2042 | 2279 | 2509 |
| 14.0 | 1424 | 1528 | 1702 | 1940 | 2221 | 2492 |
| 16.0 | 1313 | 1418 | 1594 | 1840 | 2163 | 2478 |
| 18.0 | 1248 | 1319 | 1497 | 1748 | 2108 | 2471 |
| 20.0 | 1198 | 1248 | 1404 | 1663 | 2054 | 2457 |
| 22.0 | 1148 | 1201 | 1321 | 1581 | 1995 | 2445 |
| 24.0 | 1103 | 1154 | 1250 | 1504 | 1935 | 2430 |
| 26.0 | 1060 | 1113 | 1194 | 1431 | 1872 | 2425 |
| 28.0 | 1021 | 1070 | 1150 | 1359 | 1814 | 2425 |
| 30.0 | 985.8 | 1031 | 1111 | 1295 | 1767 | 2438 |
| 32.0 | 955.9 | 996.6 | 1076 | 1241 | 1726 | 2457 |
| 34.0 | 928.9 | 967.7 | 1045 | 1194 | 1698 | 2485 |
| 36.0 | 903.7 | 941.8 | 1019 | 1159 | 1674 | 2517 |
| 38.0 | 880.3 | 922.1 | 998.1 | 1137 | 1669 | 2558 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2026-06-17

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:52.7-MIN:43.0%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

## Photometric Data Table [cd]

| | | | | | | |
|---|---|---|---|---|---|---|
| 40.0 | 859.9 | 901.6 | 982.0 | 1122 | 1673 | 2621 |
| 42.0 | 843.7 | 879.8 | 966.7 | 1117 | 1697 | 2712 |
| 44.0 | 835.0 | 857.4 | 954.9 | 1125 | 1751 | 2861 |
| 46.0 | 834.4 | 844.4 | 954.8 | 1169 | 1882 | 3152 |
| 48.0 | 845.0 | 837.3 | 979.0 | 1304 | 2046 | 3319 |
| 50.0 | 867.3 | 847.5 | 1082 | 1301 | 1917 | 3096 |
| 52.0 | 878.4 | 909.5 | 1074 | 1149 | 1808 | 2994 |
| 54.0 | 883.6 | 952.0 | 937.4 | 1062 | 1786 | 2980 |
| 56.0 | 892.8 | 864.5 | 854.3 | 1020 | 1800 | 3018 |
| 58.0 | 878.3 | 778.5 | 805.3 | 993.2 | 1827 | 3073 |
| 60.0 | 792.6 | 718.6 | 761.8 | 977.2 | 1859 | 3120 |
| 62.0 | 726.5 | 666.8 | 722.2 | 971.4 | 1894 | 3186 |
| 64.0 | 658.5 | 621.1 | 687.6 | 985.0 | 1953 | 3293 |
| 66.0 | 587.9 | 571.7 | 660.0 | 1000 | 1991 | 3285 |
| 68.0 | 518.8 | 519.1 | 633.8 | 1005 | 2009 | 3264 |
| 70.0 | 450.3 | 454.9 | 600.7 | 1017 | 2036 | 3230 |
| 72.0 | 383.9 | 386.8 | 565.0 | 1022 | 2037 | 3101 |
| 74.0 | 321.2 | 326.8 | 528.2 | 971.6 | 1903 | 2766 |
| 76.0 | 265.1 | 271.8 | 478.8 | 770.0 | 1507 | 2130 |
| 78.0 | 203.8 | 223.8 | 380.1 | 477.0 | 981.9 | 1509 |
| 80.0 | 126.5 | 166.2 | 250.2 | 256.4 | 573.6 | 874.1 |
| 82.0 | 69.22 | 100.3 | 120.4 | 125.9 | 344.2 | 429.5 |
| 84.0 | 32.86 | 43.25 | 58.97 | 53.32 | 114.8 | 181.5 |
| 86.0 | 11.14 | 13.83 | 23.68 | 24.71 | 36.04 | 55.25 |
| 88.0 | 4.918 | 7.403 | 11.02 | 14.55 | 17.50 | 19.66 |
| 90.0 | 4.190 | 7.024 | 10.65 | 13.92 | 15.54 | 15.00 |
| 92.0 | 5.168 | 8.396 | 12.33 | 15.70 | 17.10 | 16.22 |
| 94.0 | 6.347 | 9.901 | 14.14 | 17.68 | 19.15 | 18.14 |
| 96.0 | 7.661 | 11.55 | 16.05 | 19.71 | 21.17 | 20.04 |
| 98.0 | 9.076 | 13.19 | 17.86 | 21.65 | 23.18 | 22.00 |
| 100.0 | 10.54 | 14.78 | 19.46 | 23.27 | 24.90 | 23.77 |
| 102.0 | 12.04 | 16.29 | 20.88 | 24.58 | 26.30 | 25.24 |
| 104.0 | 13.52 | 17.69 | 22.11 | 25.70 | 27.45 | 26.46 |
| 106.0 | 14.94 | 18.94 | 23.17 | 26.70 | 28.50 | 27.49 |
| 108.0 | 16.27 | 20.15 | 24.18 | 27.64 | 29.41 | 28.36 |
| 110.0 | 17.54 | 21.31 | 25.18 | 28.51 | 30.22 | 29.06 |
| 112.0 | 18.75 | 22.51 | 26.28 | 29.38 | 30.89 | 29.63 |
| 114.0 | 19.92 | 23.73 | 27.44 | 30.30 | 31.51 | 30.09 |
| 116.0 | 21.06 | 24.96 | 28.63 | 31.23 | 32.13 | 30.49 |
| 118.0 | 22.20 | 26.20 | 29.79 | 32.11 | 32.59 | 30.71 |
| 120.0 | 23.38 | 27.37 | 30.86 | 32.84 | 32.84 | 30.72 |
| 122.0 | 24.53 | 28.44 | 31.83 | 33.38 | 32.91 | 30.54 |
| 124.0 | 25.67 | 29.43 | 32.61 | 33.73 | 32.81 | 30.17 |
| 126.0 | 26.71 | 30.27 | 33.21 | 33.89 | 32.53 | 29.64 |
| 128.0 | 27.66 | 30.99 | 33.71 | 33.93 | 32.12 | 29.00 |
| 130.0 | 28.44 | 31.62 | 34.07 | 33.92 | 31.68 | 28.36 |
| 132.0 | 29.10 | 32.15 | 34.24 | 33.87 | 31.33 | 27.81 |
| 134.0 | 29.65 | 32.55 | 34.26 | 33.69 | 30.99 | 27.39 |
| 136.0 | 30.15 | 32.77 | 34.20 | 33.33 | 30.56 | 26.96 |
| 138.0 | 30.57 | 32.84 | 34.06 | 32.90 | 30.03 | 26.45 |
| 140.0 | 30.94 | 32.80 | 33.80 | 32.45 | 29.52 | 25.92 |
| 142.0 | 31.19 | 32.68 | 33.44 | 31.99 | 29.08 | 25.47 |
| 144.0 | 31.37 | 32.56 | 33.04 | 31.55 | 28.69 | 25.08 |
| 146.0 | 31.44 | 32.38 | 32.59 | 31.05 | 28.25 | 24.69 |
| 148.0 | 31.38 | 32.16 | 32.17 | 30.59 | 27.89 | 24.40 |
| 150.0 | 31.22 | 31.87 | 31.75 | 30.12 | 27.58 | 24.21 |
| 152.0 | 30.95 | 31.49 | 31.29 | 29.67 | 27.29 | 24.10 |
| 154.0 | 30.62 | 30.99 | 30.79 | 29.22 | 27.05 | 24.12 |
| 156.0 | 30.25 | 30.41 | 30.20 | 28.74 | 26.81 | 24.17 |
| 158.0 | 29.82 | 29.82 | 29.55 | 28.30 | 26.58 | 24.28 |
| 160.0 | 29.31 | 29.22 | 28.91 | 27.83 | 26.34 | 24.32 |
| 162.0 | 28.76 | 28.60 | 28.26 | 27.35 | 26.02 | 24.25 |
| 164.0 | 28.29 | 28.11 | 27.78 | 26.99 | 25.80 | 24.24 |
| 166.0 | 27.81 | 27.64 | 27.32 | 26.59 | 25.55 | 24.20 |
| 168.0 | 27.32 | 27.08 | 26.78 | 26.07 | 25.19 | 24.08 |
| 170.0 | 26.77 | 26.49 | 26.19 | 25.56 | 24.84 | 23.95 |
| 172.0 | 26.23 | 25.93 | 25.63 | 25.09 | 24.51 | 23.87 |
| 174.0 | 25.67 | 25.35 | 25.08 | 24.65 | 24.19 | 23.79 |
| 176.0 | 25.02 | 24.71 | 24.51 | 24.18 | 23.87 | 23.69 |
| 178.0 | 24.28 | 24.01 | 23.90 | 23.67 | 23.52 | 23.55 |
| 180.0 | 23.35 | 23.13 | 23.13 | 23.04 | 23.04 | 23.22 |

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2026-06-17

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:52.7-MIN:43.0%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-2-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII