ANEXO 26-0328-3-A KAYRA II 36 LED RA10MIII 110W

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:	110.4 W		
I80 =	81.4 cd per klm.	I88 =	2.2 cd per klm.
I90 =	1.2 cd per klm.	I80/I88 =	37.634

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

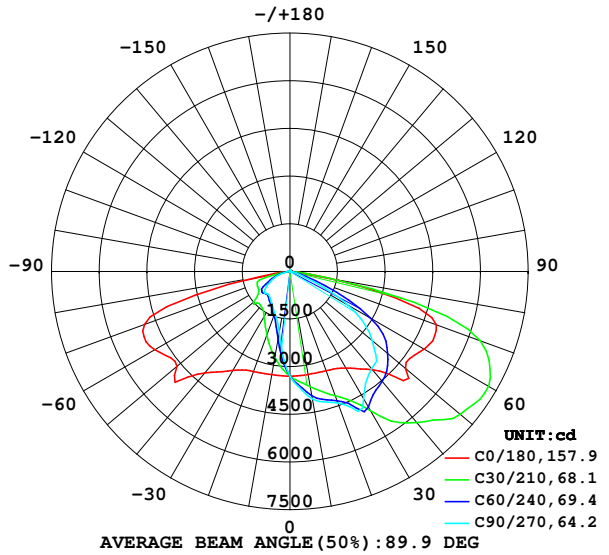
γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

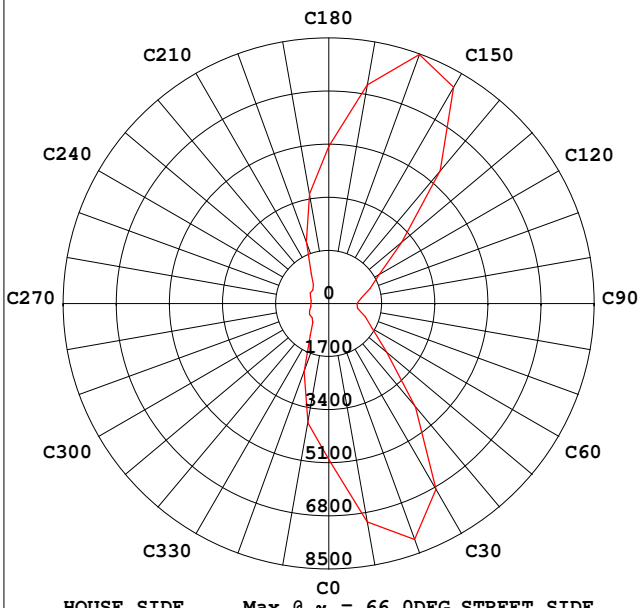
DATA OF LAMP		PHOTOMETRIC DATA Eff: 140.35 lm/W			
MODEL	2X6/740 5050	Imax(cd)	8482	η street_up(%)	0.3
NOMINAL POWER(W)	110	LOR(%)	100.0	η street_down(%)	72.7
RATED VOLTAGE(V)	---	TOTAL FLUX(lm)	15493	η house_up(%)	0.6
NOMINAL FLUX(lm)	15493.2	MAXIMUM @(C,γ)	160,66.0	η house_down(%)	26.5
LAMPS INSIDE	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%):89.9 DEG

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



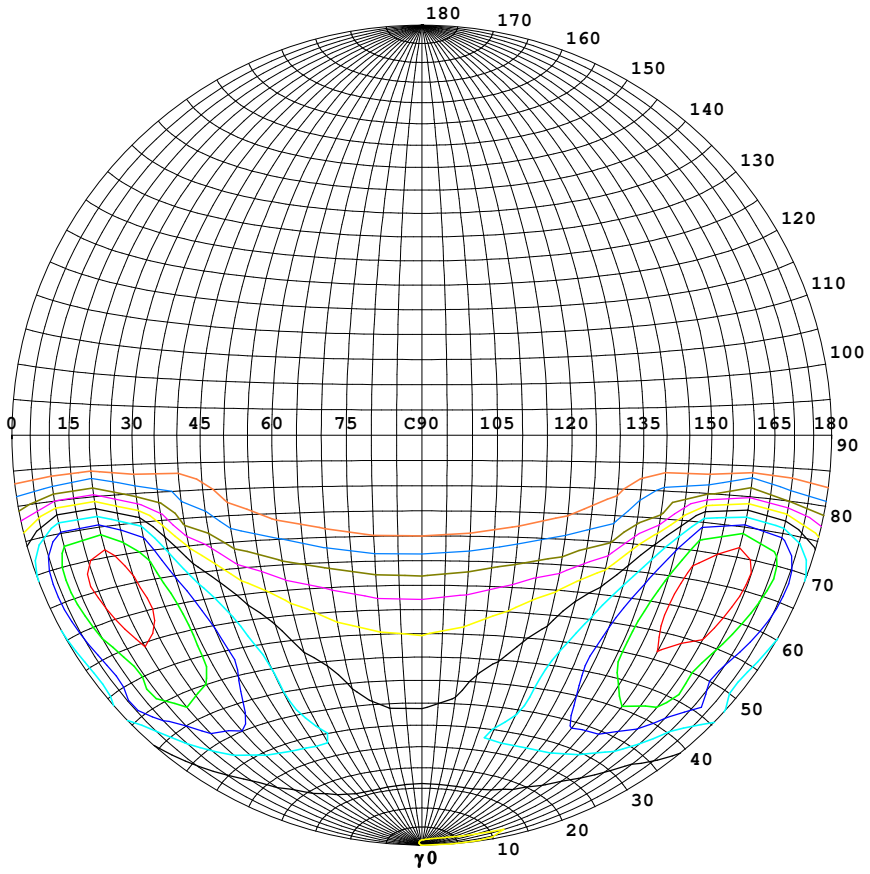
HOUSE SIDE Max @ γ = 66.0DEG STREET SIDE

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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 ISOCANDELA DIAGRAM

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
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.At80:175.4cd/klm
Max.At90:1.283cd/klm
Max.80-90:175.4cd/klm
NRB 5101:Non limited[36.7%]

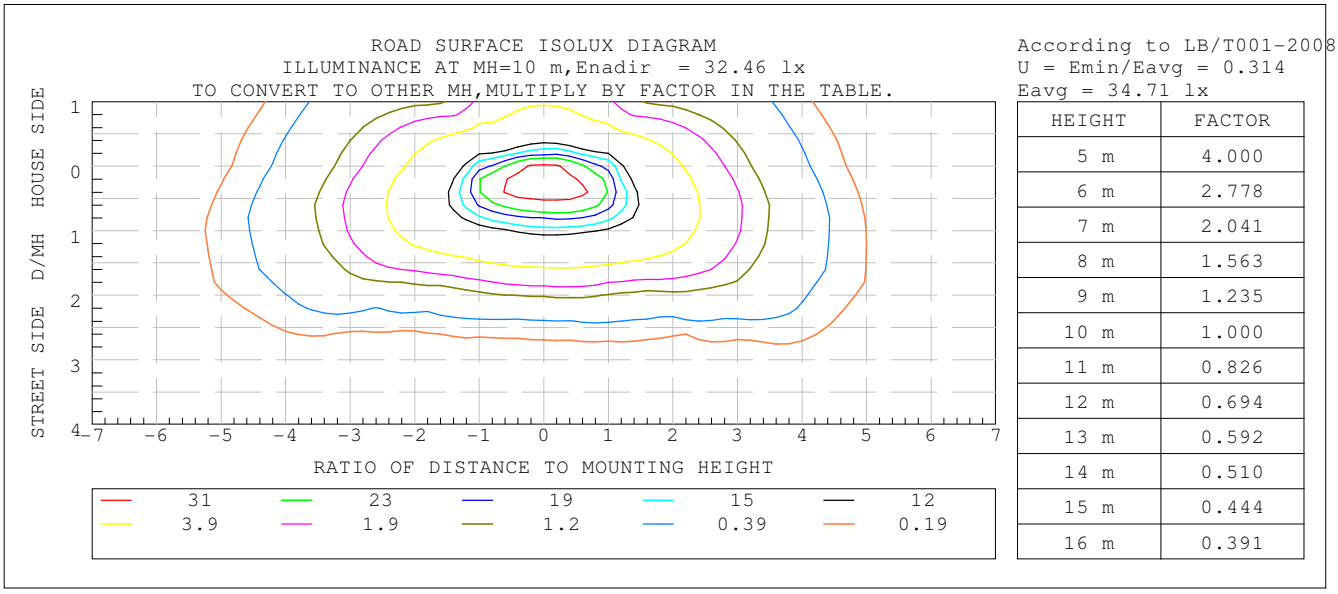
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	8482
90%	7634
80%	6785
70%	5937
60%	5089
50%	4241
40%	3393
30%	2545
20%	1696
10%	848
5%	424

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM





According to LB/T001-2008:
U = Emin/Eavg = 0.314
Eavg = 34.71 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

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

ZONAL FLUX DIAGRAM

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

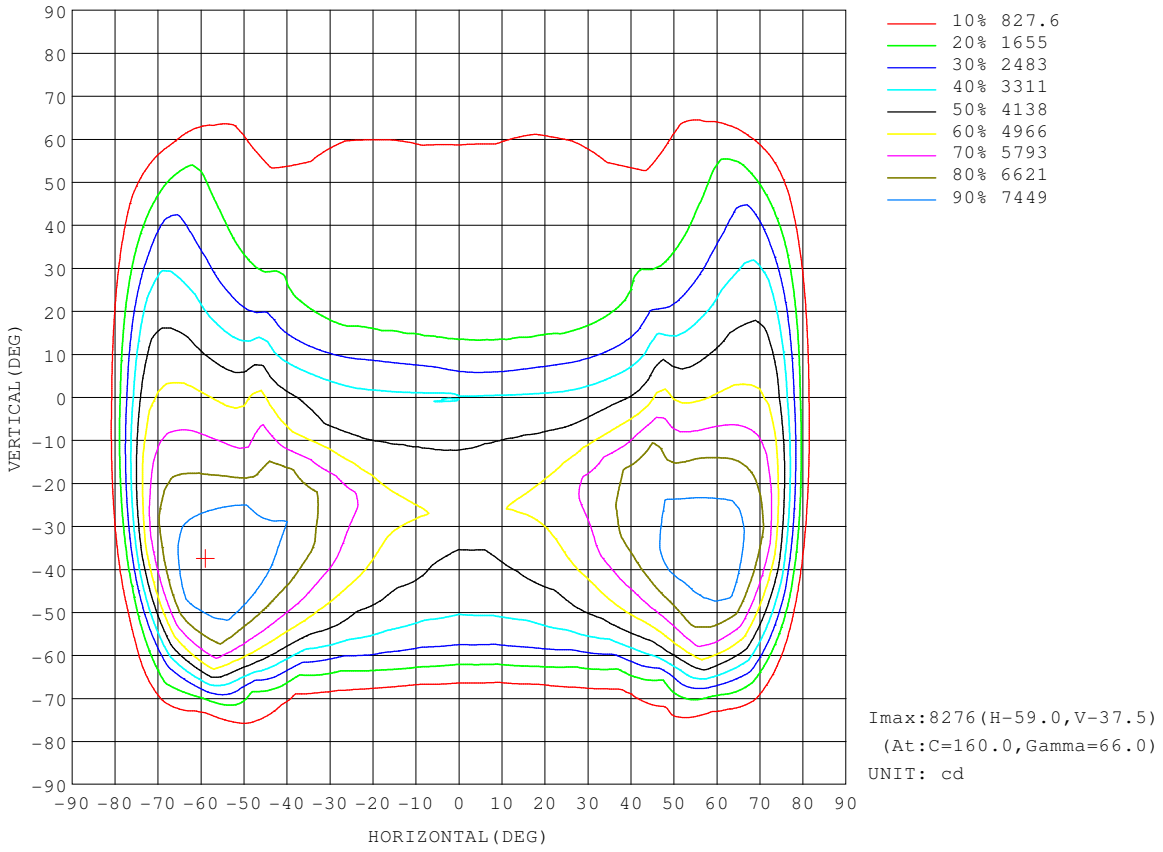
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	3292	3849	4078	3859	3301	2445	1970	2346	0- 10	305.7	305.7	1.97,1.97
20	3329	4291	4414	4459	3354	1682	1414	1651	10- 20	875.2	1181	7.62,7.62
30	3516	5224	4640	5582	3602	1334	1168	1340	20- 30	1469	2650	17.1,17.1
40	4038	5315	4004	6055	4174	1173	1016	1174	30- 40	2096	4746	30.6,30.6
50	4753	5371	3387	6209	4645	1145	1054	1175	40- 50	2740	7487	48.3,48.3
60	4885	4622	2074	5512	4921	884.0	787.2	916.3	50- 60	3052	10539	68,68
70	4905	2261	425.9	3062	4873	610.3	457.8	636.8	60- 70	2863	13402	86.5,86.5
80	1261	513.1	107.5	658.2	996.9	229.0	93.93	245.5	70- 80	1772	15174	97.9,97.9
90	18.40	5.925	2.099	5.188	14.82	9.703	2.313	10.98	80- 90	189.3	15363	99.2,99.2
100	24.22	5.642	3.763	5.685	23.41	19.35	6.962	20.88	90-100	12.02	15376	99.2,99.2
110	30.10	7.604	5.368	7.538	28.87	26.34	14.07	28.54	100-110	17.32	15393	99.4,99.4
120	33.43	9.947	7.058	9.698	32.16	31.29	21.45	35.84	110-120	20.49	15413	99.5,99.5
130	33.59	12.03	8.491	10.99	33.43	32.01	28.88	40.61	120-130	21.27	15435	99.6,99.6
140	30.98	14.24	9.934	12.92	32.71	31.98	33.28	41.42	130-140	19.43	15454	99.7,99.7
150	29.20	17.25	12.74	15.32	31.14	32.42	35.13	39.72	140-150	16.23	15470	99.9,99.9
160	29.05	20.74	17.26	18.60	30.55	32.36	34.48	36.34	150-160	12.34	15483	99.9,99.9
170	29.26	24.88	22.94	22.88	30.23	31.49	32.78	33.01	160-170	7.822	15490	100,100
180	30.56	29.24	29.03	28.98	30.58	29.24	29.03	28.99	170-180	2.733	15493	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 12.0 %									UNIT:lm		

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

ISOCANDELA DIAGRAM

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



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C Interval: 10.0DEG
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Temperature:25±1°CDEG
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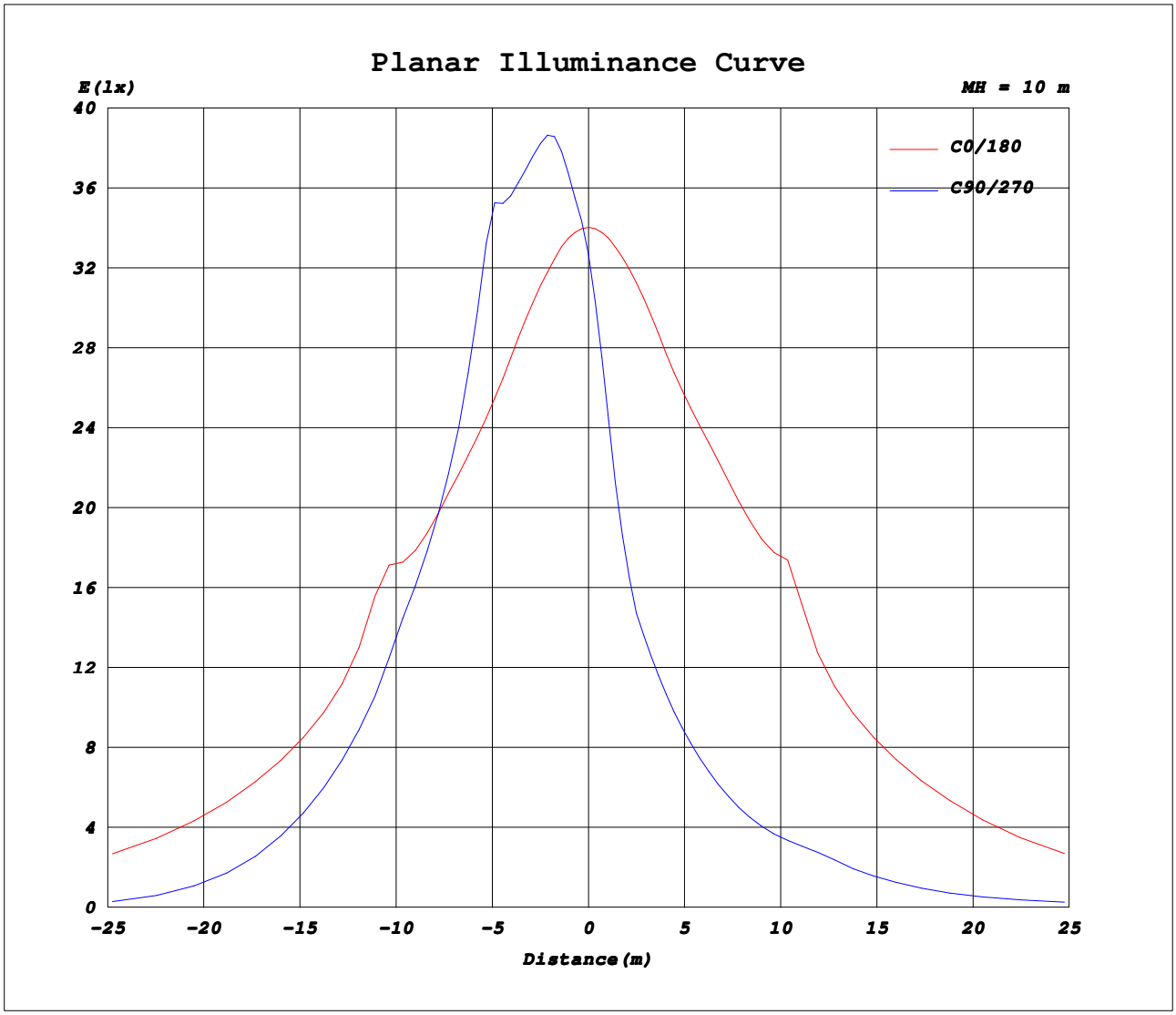
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

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: 0:23':20"
Tiempo de ensayo: 0:30':54"

LCS REPORT

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
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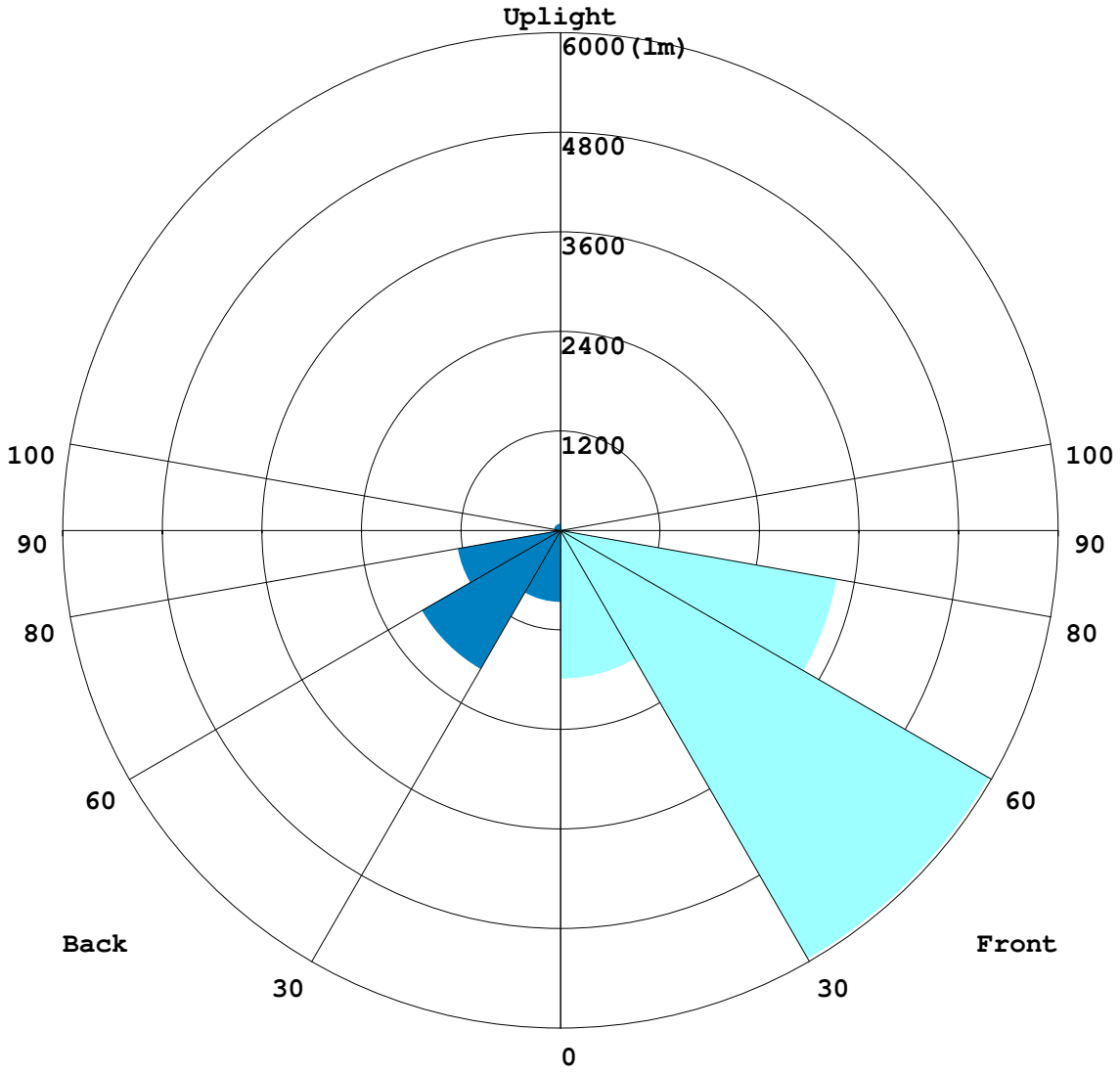
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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Lentes: RA10MIII

BUG REPORT

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
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SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1787.1	11.5
FM - Front-Medium(30-60)	5960.6	38.5
FH - Front-High(60-80)	3380.4	21.8
FVH - Front-Very High(80-90)	133.83	0.9
Total Forward Light	11304	73.0

BL - Back-Low(0-30)	862.89	5.6
BM - Back-Medium(30-60)	1928.1	12.4
BH - Back-High(60-80)	1255.1	8.1
BVH - Back-Very High(80-90)	55.51	0.4
Total Back Light	4188.8	27.0

UL - Uplight-Low(90-100)	12.023	0.1
UH - Uplight-High(100-180)	117.64	0.8
Total Up Light	129.66	0.8

BUG(Back,Up,Glare) Rating	B3-U3-G3

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4101.6	87.184	4188.8
Street Side	11262	42.474	11304

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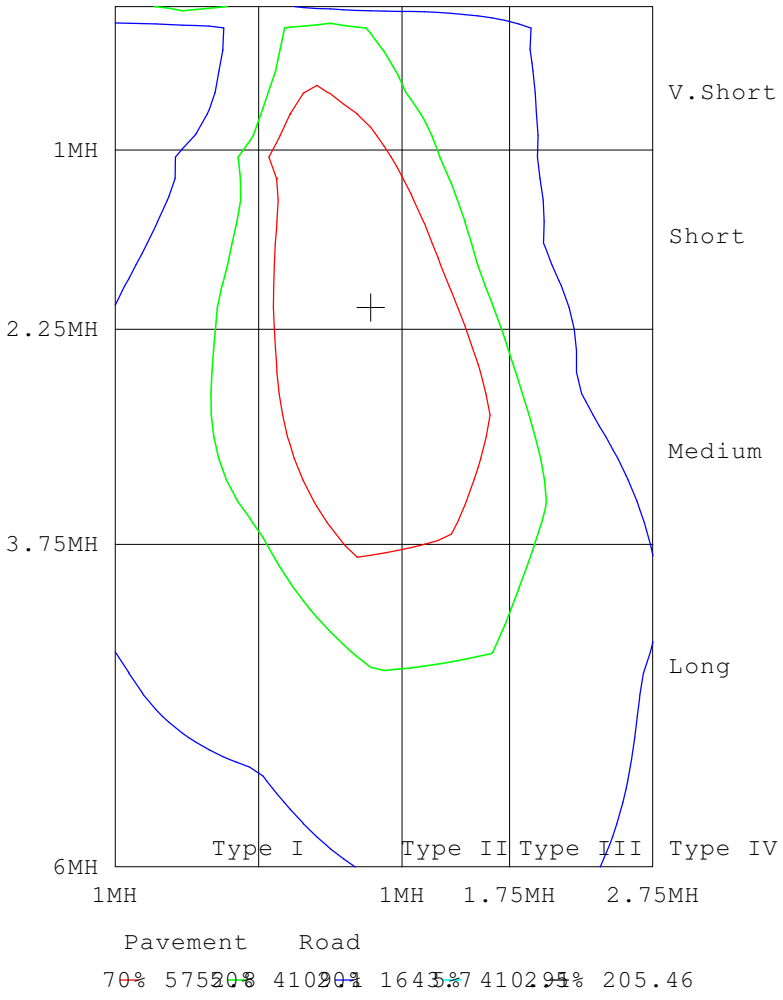
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

ROAD ISOCANDELA REPORT

Test:U:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

ROAD SURFACE ISOCANDELA DIAGRAM



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C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

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	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299
5	3298	3358	3399	3444	3486	3525	3557	3587	3604	3614	3617	3605	3584	3564	3527	3485	3428	3366	3297
10	3292	3428	3551	3681	3803	3896	3972	4027	4060	4078	4073	4044	3993	3915	3802	3693	3576	3455	3301
15	3301	3486	3687	3870	4013	4097	4143	4177	4200	4225	4230	4246	4226	4173	4047	3866	3679	3514	3316
20	3329	3600	3931	4165	4274	4307	4328	4359	4385	4414	4432	4457	4479	4494	4425	4230	3899	3618	3354
25	3364	3735	4149	4399	4500	4521	4549	4588	4632	4666	4685	4700	4729	4772	4740	4541	4150	3728	3402
30	3516	4105	4688	5045	5252	5195	4939	4725	4612	4640	4752	5024	5352	5584	5579	5294	4788	4088	3602
35	3690	4500	5288	5672	5523	5112	4684	4402	4247	4260	4402	4728	5159	5697	6098	6035	5399	4465	3804
40	4038	5281	6268	6206	5617	5012	4520	4192	4012	4004	4173	4538	5039	5688	6422	6914	6486	5183	4174
45	4502	6090	6763	6502	5767	5011	4380	4038	3909	3929	4015	4349	4933	5744	6627	7292	7158	5967	4624
50	4753	6188	7149	6998	5927	4811	4015	3711	3447	3387	3597	3973	4527	5583	6835	7746	7301	5953	4645
55	4661	6295	7395	7129	5825	4550	3736	3257	2994	2986	3140	3600	4198	5316	6786	7999	7647	6158	4640
60	4885	6750	7857	7222	5378	3860	2922	2436	2122	2074	2256	2683	3374	4608	6417	8285	8205	6671	4921
65	4996	7008	7999	7009	4779	2978	2054	1650	1359	1311	1484	1858	2401	3653	5919	8175	8451	6963	5047
70	4905	7063	7691	6367	3200	1317	858	519	432	426	457	626	982	1679	4446	7404	8198	7149	4873
75	4221	6333	6492	5134	1543	641	397	318	262	269	273	344	459	783	2477	6136	6917	6297	4038
80	1261	2438	2717	1257	732	293	157	131	112	108	118	134	179	352	965	1600	2491	1690	997
85	263	353	438	312	308	108	64.4	51.5	41.5	21.1	47.5	51.1	71.6	118	295	337	395	357	268
90	18.4	15.5	11.6	9.08	6.67	5.18	4.37	4.16	3.60	2.10	3.98	4.57	4.55	4.73	5.64	7.19	9.43	13.0	14.8
95	20.0	15.5	11.0	7.66	5.42	4.08	3.40	3.16	2.95	2.59	3.12	3.31	3.54	4.06	5.10	7.03	10.4	15.1	17.9
100	24.2	18.6	13.1	9.00	6.36	4.92	4.26	3.98	3.88	3.76	3.92	4.10	4.37	5.00	6.37	9.01	13.5	19.5	23.4
105	26.9	20.9	14.8	10.2	7.24	5.62	4.85	4.53	4.43	4.39	4.49	4.64	4.93	5.62	7.19	10.23	15.5	22.3	26.1
110	30.1	23.7	17.0	11.9	8.54	6.66	5.74	5.37	5.35	5.37	5.35	5.44	5.78	6.59	8.49	12.1	18.0	25.5	28.9
115	31.5	25.0	18.2	13.0	9.53	7.48	6.37	6.00	6.00	6.04	5.92	5.97	6.35	7.42	9.50	13.2	19.4	27.0	30.2
120	33.4	27.1	20.4	14.9	11.2	8.71	7.32	6.97	6.99	7.06	6.89	6.84	7.21	8.49	10.9	14.8	20.9	28.2	32.2
125	34.0	28.0	21.5	16.1	12.1	9.48	7.98	7.63	7.62	7.66	7.49	7.42	7.73	9.03	11.5	15.3	21.1	27.8	32.9
130	33.6	28.4	22.5	17.4	13.4	10.7	9.10	8.65	8.51	8.49	8.30	8.30	8.64	9.85	12.1	15.6	20.5	26.3	33.4
135	32.6	28.1	22.8	17.9	14.1	11.5	9.94	9.37	9.10	9.03	8.81	8.88	9.31	10.6	12.7	15.8	20.1	25.1	33.5
140	31.0	27.4	23.0	18.9	15.5	13.0	11.4	10.6	10.1	9.93	9.67	9.84	10.5	11.9	14.0	16.7	19.9	23.6	32.7
145	30.1	27.1	23.4	19.7	16.5	14.1	12.5	11.6	11.1	10.8	10.6	10.8	11.5	12.8	14.7	17.2	19.9	23.1	32.0
150	29.2	26.9	23.9	21.0	18.3	16.2	14.3	13.6	13.0	12.7	12.5	12.7	13.4	14.5	16.1	18.1	20.1	22.5	31.1
155	29.0	27.0	24.6	22.1	19.6	17.6	15.8	15.2	14.6	14.3	14.2	14.4	15.0	15.9	17.3	19.0	20.8	22.8	30.9
160	29.1	27.5	25.5	23.5	21.6	19.9	18.2	18.0	17.5	17.3	17.1	17.2	17.6	18.1	19.1	20.4	22.0	23.7	30.5
165	29.0	27.7	26.1	24.5	23.0	21.6	20.0	20.1	19.7	19.5	19.3	19.3	19.4	19.8	20.5	21.5	22.9	24.4	30.3
170	29.3	28.5	27.4	26.4	25.3	24.4	23.1	23.5	23.1	22.9	22.7	22.6	22.5	22.7	23.1	23.8	24.7	25.8	30.2
175	29.8	29.3	28.5	27.7	26.9	26.4	25.2	25.8	25.4	25.2	25.0	24.9	24.8	24.9	25.2	25.6	26.1	27.0	30.5
180	30.6	30.3	29.9	29.6	29.3	29.2	28.4	29.0	28.9	29.0	29.1	29.2	29.1	29.1	28.9	28.9	28.8	29.1	30.6

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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:220.07V I:0.5052A P:110.39W PF:0.9929 Freq:60.01Hz Lamp Flux:15493.2x1 lm		
NAME: ANEXO 26-0328-3-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 110W	DIM.: ----	SERIAL No.:26-0328-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

Table--2 UNIT: cd

C(DEG) / γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299		
5	3242	3174	3106	3041	2972	2905	2852	2820	2798	2807	2821	2866	2916	2987	3066	3144	3232		
10	3151	2958	2749	2545	2344	2175	2058	1999	1970	1985	2025	2116	2249	2443	2666	2900	3132		
15	3098	2814	2501	2199	1964	1802	1699	1643	1628	1638	1678	1768	1905	2104	2400	2749	3084		
20	3043	2593	2129	1791	1572	1486	1440	1415	1414	1417	1442	1489	1561	1741	2059	2529	3034		
25	3000	2430	1907	1579	1439	1363	1316	1294	1299	1299	1323	1374	1446	1554	1861	2379	2996		
30	2989	2204	1636	1386	1282	1215	1187	1166	1168	1172	1197	1228	1293	1387	1606	2163	2990		
35	3030	2105	1509	1300	1202	1144	1116	1096	1095	1105	1127	1156	1226	1303	1482	2072	3032		
40	3147	2044	1426	1226	1119	1060	1042	1018	1016	1026	1056	1070	1125	1222	1397	2034	3190		
45	3354	2074	1401	1192	1076	1027	1005	990	1000	1005	1022	1038	1072	1184	1389	2106	3451		
50	3368	2083	1506	1249	1040	1073	1039	1039	1054	1041	1052	1070	1051	1300	1604	2304	3738		
55	3284	1969	1248	1094	1117	1101	1028	970	971	970	1044	1079	1170	1165	1319	2136	3586		
60	3405	2030	1139	905	863	982	900	787	787	808	967	974	892	941	1195	2203	3722		
65	3578	2112	1129	816	739	770	700	639	641	655	765	797	765	841	1181	2286	3899		
70	3446	2126	1100	683	537	533	494	460	458	464	518	544	556	718	1179	2338	3791		
75	2845	1895	1015	571	390	388	365	307	289	321	386	388	397	613	1113	2176	3227		
80	927	452	288	280	178	154	123	99.0	93.9	105	137	153	193	298	318	650	1160		
85	175	88.0	76.4	69.6	52.6	40.7	32.7	26.6	21.8	28.4	35.3	42.0	54.9	72.6	77.0	142	239		
90	17.8	18.2	16.1	11.9	7.51	4.28	2.91	2.37	2.31	2.59	3.41	5.20	8.73	13.2	17.5	19.9	19.5		
95	21.5	22.3	20.4	15.9	10.8	6.64	4.66	3.99	3.77	4.15	5.23	7.72	12.0	17.1	21.7	23.7	22.7		
100	27.8	28.9	26.9	22.1	16.5	11.3	8.37	7.11	6.96	7.49	9.29	12.8	18.0	23.7	28.6	30.7	29.4		
105	30.6	31.6	29.5	25.2	20.0	14.8	11.3	9.82	9.66	10.3	12.5	16.5	21.7	27.0	31.6	33.9	32.8		
110	33.4	34.4	32.4	28.6	24.1	19.5	15.9	14.2	14.1	14.8	17.3	21.5	26.2	30.9	35.2	37.4	36.2		
115	34.6	35.8	34.1	30.7	26.5	22.1	18.7	17.2	17.0	17.7	20.2	24.4	29.2	33.6	37.4	39.0	37.5		
120	35.9	36.7	35.6	33.1	29.4	25.7	22.9	21.6	21.4	22.3	24.5	28.7	33.8	37.9	40.6	40.8	38.4		
125	36.0	36.5	35.3	33.3	30.7	28.1	25.8	24.6	24.5	25.5	27.6	31.6	36.4	40.1	41.8	40.8	37.8		
130	35.7	35.3	33.6	32.4	31.6	30.5	29.5	28.7	28.9	29.9	31.9	35.1	39.2	42.0	42.2	39.5	35.5		
135	35.6	34.8	32.9	31.9	31.7	31.3	31.0	30.7	31.0	32.1	34.0	36.7	40.4	42.4	41.9	38.7	34.3		
140	34.7	34.4	32.9	32.0	31.9	32.2	32.4	32.7	33.3	34.4	36.2	38.4	40.9	41.9	40.6	36.9	32.6		
145	33.9	33.8	32.8	32.1	32.2	32.5	33.1	33.6	34.3	35.4	37.0	39.0	40.7	41.0	39.5	35.9	31.5		
150	32.7	32.8	32.4	32.3	32.5	32.7	33.7	34.4	35.1	36.1	37.4	38.8	39.9	39.5	37.7	34.6	30.4		
155	32.3	32.6	32.4	32.4	32.5	32.6	33.7	34.4	35.3	36.1	37.2	38.1	38.8	38.4	36.6	33.9	30.3		
160	31.7	32.2	32.3	32.3	32.4	32.3	33.2	33.8	34.5	35.1	35.9	36.5	36.6	36.0	34.9	33.0	30.5		
165	31.2	31.7	31.9	32.1	32.3	32.1	32.8	33.2	33.7	34.2	34.8	35.1	35.3	34.7	33.8	32.3	30.4		
170	30.7	31.0	31.2	31.4	31.6	31.4	32.2	32.4	32.8	33.0	33.3	33.4	33.3	32.7	32.0	31.1	30.1		
175	30.6	30.6	30.7	30.8	30.9	30.6	31.3	31.4	31.7	31.8	32.0	32.0	31.9	31.4	30.9	30.3	29.8		
180	30.3	29.9	29.6	29.3	29.2	28.4	29.0	28.9	29.0	29.1	29.2	29.1	29.1	28.9	28.9	28.8	29.1		

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299
2.0	3298	3330	3351	3376	3398	3417	3438	3457	3468	3478
4.0	3298	3358	3399	3444	3486	3525	3557	3587	3604	3614
6.0	3299	3378	3452	3519	3582	3641	3694	3738	3759	3775
8.0	3299	3400	3503	3592	3691	3772	3841	3895	3927	3937
10.0	3292	3428	3551	3681	3803	3896	3972	4027	4060	4078
12.0	3293	3457	3612	3774	3915	4008	4078	4118	4146	4171
14.0	3301	3486	3687	3870	4013	4097	4143	4177	4200	4225
16.0	3306	3517	3761	3969	4100	4171	4201	4231	4251	4279
18.0	3318	3559	3844	4070	4187	4234	4258	4288	4315	4337
20.0	3329	3600	3931	4165	4274	4307	4328	4359	4385	4414
22.0	3344	3659	4028	4267	4375	4396	4419	4451	4478	4512
24.0	3364	3735	4149	4399	4500	4521	4549	4588	4632	4666
26.0	3401	3828	4284	4565	4672	4719	4793	4837	4865	4905
28.0	3450	3956	4464	4770	4922	5034	4995	4902	4839	4875
30.0	3516	4105	4688	5045	5252	5195	4939	4725	4612	4640
32.0	3595	4296	4957	5387	5453	5178	4795	4545	4399	4427
34.0	3690	4500	5288	5672	5523	5112	4684	4402	4247	4260
36.0	3798	4732	5619	5886	5557	5051	4613	4309	4140	4147
38.0	3904	4995	5948	6050	5579	5028	4569	4250	4067	4063
40.0	4038	5281	6268	6206	5617	5012	4520	4192	4012	4004
42.0	4220	5639	6537	6357	5681	5015	4458	4127	3971	3962
44.0	4502	6090	6763	6502	5767	5011	4380	4038	3909	3929
46.0	4956	6417	6939	6715	5878	4979	4275	3926	3802	3764
48.0	5033	6378	7118	6915	5946	4927	4150	3823	3625	3561
50.0	4753	6188	7149	6998	5927	4811	4015	3711	3447	3387
52.0	4649	6185	7224	7050	5884	4682	3883	3479	3224	3200
54.0	4661	6295	7395	7129	5825	4550	3736	3257	2994	2986
56.0	4718	6435	7566	7204	5718	4371	3538	3028	2752	2737
58.0	4796	6605	7724	7227	5564	4150	3266	2766	2463	2431
60.0	4885	6750	7857	7222	5378	3860	2922	2436	2122	2074
62.0	4947	6880	7953	7149	5127	3467	2507	2056	1740	1691
64.0	4996	7008	7999	7009	4779	2978	2054	1650	1359	1311
66.0	4989	7102	8037	6864	4333	2426	1614	1248	939.7	910.3
68.0	4965	7124	7910	6665	3815	1844	1211	817.5	575.7	572.8
70.0	4905	7063	7691	6367	3200	1317	858.0	518.8	432.1	425.9
72.0	4698	6828	7256	5890	2372	912.6	547.8	405.4	344.1	337.8
74.0	4221	6333	6492	5134	1543	640.6	396.8	318.1	261.9	269.5
76.0	3385	5371	5438	4019	1191	491.5	308.9	249.5	201.8	201.2
78.0	2386	3996	4147	2638	839.7	388.6	225.5	180.9	149.5	145.6
80.0	1261	2438	2717	1257	732.1	292.9	157.0	131.3	112.0	107.5
82.0	611.2	885.0	1199	595.5	560.6	190.6	104.9	87.50	74.68	72.54
84.0	262.9	352.6	437.9	312.4	307.6	107.9	64.40	51.48	41.55	21.14
86.0	147.5	117.7	144.4	111.5	163.6	47.97	32.17	26.15	18.91	6.268
88.0	33.50	35.20	32.89	28.26	20.33	14.59	11.88	10.73	7.739	2.755
90.0	18.40	15.47	11.64	9.078	6.665	5.181	4.373	4.164	3.597	2.099
92.0	18.74	14.66	10.55	7.533	5.436	4.191	3.534	3.156	2.793	2.197
94.0	20.03	15.52	11.02	7.664	5.415	4.076	3.397	3.157	2.953	2.585
96.0	21.15	16.24	11.38	7.787	5.512	4.246	3.647	3.410	3.323	3.157
98.0	22.73	17.44	12.27	8.395	5.942	4.579	3.945	3.691	3.595	3.458
100.0	24.22	18.63	13.14	8.998	6.360	4.919	4.260	3.980	3.881	3.763
102.0	25.60	19.78	13.97	9.582	6.791	5.272	4.565	4.263	4.159	4.069
104.0	26.87	20.88	14.80	10.19	7.243	5.621	4.854	4.531	4.435	4.385
106.0	28.09	21.92	15.61	10.79	7.696	5.958	5.146	4.800	4.728	4.706
108.0	29.17	22.88	16.33	11.35	8.121	6.290	5.433	5.081	5.028	5.031
110.0	30.10	23.70	16.99	11.86	8.543	6.660	5.742	5.371	5.350	5.368
112.0	30.85	24.41	17.60	12.39	9.011	7.063	6.058	5.676	5.672	5.694
114.0	31.50	25.04	18.22	12.97	9.529	7.482	6.366	5.999	6.000	6.044
116.0	32.17	25.73	18.90	13.61	10.10	7.895	6.682	6.332	6.337	6.400
118.0	32.84	26.44	19.64	14.28	10.65	8.301	6.994	6.650	6.674	6.737
120.0	33.43	27.12	20.35	14.94	11.18	8.706	7.316	6.967	6.987	7.058
122.0	33.83	27.66	20.96	15.53	11.68	9.100	7.644	7.295	7.316	7.378
124.0	34.05	28.03	21.49	16.08	12.15	9.480	7.983	7.629	7.622	7.664
126.0	34.08	28.28	21.91	16.56	12.59	9.862	8.330	7.964	7.917	7.936
128.0	33.95	28.40	22.24	16.98	13.00	10.26	8.707	8.304	8.217	8.208
130.0	33.59	28.37	22.50	17.36	13.38	10.66	9.102	8.648	8.508	8.491
132.0	33.13	28.24	22.68	17.67	13.74	11.10	9.497	9.001	8.798	8.762
134.0	32.64	28.06	22.82	17.94	14.14	11.54	9.944	9.370	9.104	9.026
136.0	32.13	27.84	22.90	18.22	14.57	12.01	10.42	9.754	9.418	9.303
138.0	31.55	27.61	22.94	18.55	15.02	12.49	10.90	10.17	9.758	9.601
140.0	30.98	27.35	23.04	18.92	15.48	13.00	11.41	10.61	10.14	9.934
142.0	30.52	27.19	23.20	19.30	15.99	13.53	11.93	11.10	10.57	10.33
144.0	30.12	27.08	23.36	19.67	16.50	14.13	12.46	11.64	11.08	10.82
146.0	29.78	26.98	23.52	20.09	17.06	14.78	13.04	12.24	11.65	11.38

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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	29.47	26.89	23.70	20.52	17.68	15.46	13.66	12.90	12.29	12.02
150.0	29.20	26.86	23.91	21.00	18.32	16.17	14.32	13.62	12.99	12.74
152.0	29.01	26.90	24.21	21.53	18.98	16.90	15.02	14.39	13.76	13.52
154.0	29.01	27.05	24.55	22.06	19.62	17.63	15.75	15.20	14.60	14.35
156.0	29.06	27.20	24.91	22.56	20.26	18.38	16.50	16.07	15.50	15.26
158.0	29.06	27.32	25.22	23.04	20.91	19.13	17.30	17.00	16.47	16.23
160.0	29.05	27.46	25.52	23.50	21.56	19.92	18.15	17.98	17.49	17.26
162.0	29.03	27.58	25.80	23.98	22.24	20.75	19.07	19.01	18.55	18.34
164.0	29.00	27.71	26.13	24.50	22.96	21.64	20.03	20.09	19.67	19.48
166.0	29.02	27.91	26.50	25.08	23.71	22.54	21.03	21.20	20.81	20.62
168.0	29.10	28.16	26.94	25.69	24.51	23.47	22.06	22.32	21.94	21.79
170.0	29.26	28.49	27.44	26.35	25.31	24.44	23.15	23.47	23.11	22.94
172.0	29.50	28.88	27.99	27.03	26.12	25.41	24.21	24.63	24.27	24.09
174.0	29.82	29.32	28.53	27.70	26.95	26.38	25.25	25.76	25.43	25.24
176.0	30.18	29.79	29.03	28.38	27.77	27.34	26.27	26.86	26.56	26.43
178.0	30.44	30.09	29.49	29.04	28.55	28.27	27.37	27.97	27.73	27.74
180.0	30.56	30.32	29.91	29.63	29.31	29.17	28.42	29.04	28.89	29.03

G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299
2.0	3475	3472	3456	3446	3424	3399	3367	3334	3298	3274
4.0	3617	3605	3584	3564	3527	3485	3428	3366	3297	3242
6.0	3768	3740	3707	3666	3618	3562	3481	3396	3299	3208
8.0	3928	3904	3847	3783	3701	3626	3534	3422	3298	3180
10.0	4073	4044	3993	3915	3802	3693	3576	3455	3301	3151
12.0	4172	4163	4123	4043	3923	3772	3623	3484	3308	3124
14.0	4230	4246	4226	4173	4047	3866	3679	3514	3316	3098
16.0	4287	4309	4309	4285	4171	3978	3732	3546	3326	3080
18.0	4357	4377	4384	4387	4302	4092	3811	3577	3340	3062
20.0	4432	4457	4479	4494	4425	4230	3899	3618	3354	3043
22.0	4529	4558	4581	4617	4569	4376	4009	3660	3370	3020
24.0	4685	4700	4729	4772	4740	4541	4150	3728	3402	3000
26.0	4928	4961	4971	4972	4956	4749	4324	3824	3454	2985
28.0	4951	5129	5274	5287	5217	4999	4538	3940	3520	2985
30.0	4752	5024	5352	5584	5579	5294	4788	4088	3602	2989
32.0	4550	4859	5267	5688	5896	5670	5065	4266	3698	3007
34.0	4402	4728	5159	5697	6098	6035	5399	4465	3804	3030
36.0	4304	4650	5093	5674	6219	6378	5739	4677	3909	3058
38.0	4231	4594	5067	5667	6320	6672	6095	4929	4028	3093
40.0	4173	4538	5039	5688	6422	6914	6486	5183	4174	3147
42.0	4109	4449	5000	5720	6527	7117	6865	5484	4356	3214
44.0	4015	4349	4933	5744	6627	7292	7158	5967	4624	3354
46.0	3905	4206	4837	5741	6758	7466	7256	6357	5026	3622
48.0	3805	4067	4692	5688	6831	7647	7291	6160	4900	3608
50.0	3597	3973	4527	5583	6835	7746	7301	5953	4645	3368
52.0	3374	3844	4370	5458	6819	7856	7442	6008	4598	3288
54.0	3140	3600	4198	5316	6786	7999	7647	6158	4640	3284
56.0	2891	3341	4002	5150	6724	8139	7864	6341	4728	3314
58.0	2597	3049	3742	4927	6592	8242	8051	6511	4824	3362
60.0	2256	2683	3374	4608	6417	8285	8205	6671	4921	3405
62.0	1879	2315	2924	4193	6206	8269	8333	6835	5003	3487
64.0	1484	1858	2401	3653	5919	8175	8451	6963	5047	3578
66.0	1065	1414	1858	3043	5551	8001	8482	7105	5035	3571
68.0	644.9	984.3	1381	2386	5060	7733	8423	7212	5004	3529
70.0	457.0	626.4	981.8	1679	4446	7404	8198	7149	4873	3446
72.0	362.1	441.7	665.7	1107	3604	6900	7727	6891	4626	3279
74.0	272.7	344.4	459.0	782.9	2477	6136	6917	6297	4038	2845
76.0	207.9	267.5	347.5	595.0	1564	5009	5692	5085	3080	2098
78.0	156.7	190.8	259.4	476.9	1263	3365	4165	3426	1984	1429
80.0	118.4	133.7	179.1	351.8	964.8	1600	2491	1690	996.9	926.7
82.0	80.07	86.42	125.3	234.7	655.6	603.0	1443	648.0	478.8	425.1
84.0	47.54	51.10	71.62	117.7	295.3	337.3	394.9	357.4	268.3	174.6
86.0	23.23	25.91	34.30	47.11	155.8	73.05	205.3	68.35	59.03	55.15
88.0	8.978	10.19	11.05	12.66	16.48	20.40	23.47	24.36	24.26	23.74
90.0	3.977	4.567	4.551	4.734	5.642	7.190	9.426	12.98	14.82	17.76
92.0	2.855	3.157	3.427	3.959	4.935	6.691	9.693	13.93	16.27	19.45
94.0	3.117	3.309	3.542	4.061	5.101	7.029	10.41	15.15	17.89	21.53
96.0	3.373	3.557	3.809	4.374	5.535	7.694	11.44	16.62	19.83	23.83
98.0	3.639	3.820	4.091	4.687	5.965	8.371	12.47	18.05	21.71	25.97
100.0	3.924	4.098	4.370	4.999	6.371	9.014	13.48	19.48	23.41	27.82
102.0	4.205	4.376	4.657	5.306	6.771	9.628	14.50	20.90	24.88	29.33
104.0	4.488	4.643	4.935	5.616	7.188	10.23	15.47	22.26	26.13	30.61
106.0	4.773	4.916	5.218	5.930	7.622	10.87	16.40	23.50	27.20	31.72
108.0	5.054	5.184	5.500	6.247	8.039	11.50	17.26	24.58	28.11	32.65
110.0	5.346	5.437	5.784	6.588	8.488	12.07	18.02	25.51	28.87	33.40

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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	5.600	5.695	6.070	6.986	8.970	12.62	18.71	26.29	29.52	34.04
114.0	5.917	5.974	6.353	7.416	9.499	13.22	19.38	26.96	30.17	34.64
116.0	6.245	6.257	6.656	7.810	10.03	13.85	20.03	27.59	30.88	35.20
118.0	6.568	6.555	6.934	8.174	10.51	14.42	20.59	28.05	31.56	35.65
120.0	6.894	6.845	7.210	8.490	10.91	14.85	20.94	28.22	32.16	35.93
122.0	7.199	7.136	7.481	8.770	11.22	15.13	21.08	28.12	32.63	36.06
124.0	7.488	7.423	7.734	9.030	11.45	15.32	21.05	27.83	32.95	36.02
126.0	7.767	7.713	8.018	9.281	11.67	15.44	20.93	27.41	33.16	35.95
128.0	8.039	8.011	8.317	9.551	11.90	15.54	20.74	26.88	33.33	35.82
130.0	8.296	8.299	8.637	9.854	12.12	15.63	20.51	26.27	33.43	35.73
132.0	8.557	8.582	8.964	10.22	12.38	15.73	20.30	25.65	33.49	35.69
134.0	8.808	8.877	9.306	10.62	12.72	15.85	20.13	25.08	33.48	35.62
136.0	9.068	9.170	9.665	11.04	13.14	16.03	19.94	24.53	33.34	35.40
138.0	9.357	9.489	10.06	11.46	13.57	16.34	19.84	24.02	33.05	35.06
140.0	9.669	9.836	10.49	11.88	13.96	16.69	19.85	23.62	32.71	34.68
142.0	10.07	10.26	10.97	12.33	14.35	16.97	19.92	23.33	32.35	34.31
144.0	10.56	10.76	11.49	12.83	14.73	17.21	19.94	23.06	32.01	33.87
146.0	11.13	11.35	12.06	13.36	15.15	17.46	19.95	22.82	31.69	33.40
148.0	11.80	12.02	12.70	13.93	15.61	17.74	20.02	22.64	31.40	33.01
150.0	12.54	12.75	13.40	14.55	16.10	18.07	20.14	22.54	31.14	32.69
152.0	13.34	13.54	14.15	15.21	16.68	18.48	20.37	22.58	30.94	32.42
154.0	14.18	14.37	14.95	15.93	17.28	19.00	20.78	22.83	30.86	32.28
156.0	15.08	15.26	15.77	16.65	17.87	19.50	21.21	23.14	30.77	32.12
158.0	16.04	16.19	16.64	17.38	18.45	19.96	21.61	23.46	30.67	31.93
160.0	17.07	17.20	17.56	18.15	19.06	20.43	22.00	23.74	30.55	31.68
162.0	18.15	18.22	18.48	18.96	19.73	20.95	22.40	24.04	30.41	31.40
164.0	19.29	19.30	19.45	19.82	20.47	21.55	22.87	24.36	30.32	31.20
166.0	20.44	20.40	20.44	20.72	21.30	22.23	23.42	24.80	30.25	31.01
168.0	21.60	21.49	21.46	21.66	22.16	22.98	24.03	25.26	30.20	30.84
170.0	22.73	22.59	22.52	22.67	23.09	23.79	24.68	25.79	30.23	30.74
172.0	23.86	23.72	23.65	23.76	24.08	24.65	25.37	26.37	30.33	30.70
174.0	25.01	24.90	24.84	24.93	25.15	25.60	26.14	27.01	30.47	30.65
176.0	26.28	26.23	26.17	26.24	26.35	26.65	27.02	27.74	30.60	30.58
178.0	27.67	27.71	27.63	27.66	27.64	27.80	27.95	28.45	30.61	30.47
180.0	29.06	29.16	29.08	29.06	28.90	28.87	28.80	29.07	30.58	30.30

G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	3299	3299	3299	3299	3299	3299	3299	3299	3299	3299
2.0	3242	3212	3180	3149	3119	3096	3079	3066	3073	3076
4.0	3174	3106	3041	2972	2905	2852	2820	2798	2807	2821
6.0	3107	2990	2884	2774	2671	2584	2532	2501	2514	2542
8.0	3030	2875	2721	2562	2417	2306	2240	2209	2224	2265
10.0	2958	2749	2545	2344	2175	2058	1999	1970	1985	2025
12.0	2884	2625	2368	2137	1966	1864	1806	1781	1796	1840
14.0	2814	2501	2199	1964	1802	1699	1643	1628	1638	1678
16.0	2746	2376	2048	1816	1655	1583	1553	1550	1553	1580
18.0	2670	2249	1912	1684	1554	1508	1483	1479	1484	1508
20.0	2593	2129	1791	1572	1486	1440	1415	1414	1417	1442
22.0	2513	2015	1677	1499	1423	1376	1352	1354	1354	1380
24.0	2430	1907	1579	1439	1363	1316	1294	1299	1299	1323
26.0	2345	1809	1499	1385	1307	1264	1248	1250	1252	1274
28.0	2272	1719	1438	1331	1258	1223	1206	1208	1211	1234
30.0	2204	1636	1386	1282	1215	1187	1166	1168	1172	1197
32.0	2146	1566	1339	1238	1177	1146	1130	1129	1136	1160
34.0	2105	1509	1300	1202	1144	1116	1096	1095	1105	1127
36.0	2073	1472	1268	1171	1113	1087	1065	1064	1073	1100
38.0	2052	1446	1247	1145	1086	1064	1038	1036	1048	1077
40.0	2044	1426	1226	1119	1060	1042	1018	1016	1026	1056
42.0	2050	1411	1211	1096	1039	1024	999.1	1003	1011	1039
44.0	2074	1401	1192	1076	1027	1005	990.2	999.8	1005	1022
46.0	2182	1429	1179	1058	1027	1002	998.9	1014	1013	1024
48.0	2273	1539	1179	1043	1046	1018	1016	1034	1028	1040
50.0	2083	1506	1249	1040	1073	1039	1039	1054	1041	1052
52.0	1985	1338	1245	1067	1098	1058	1026	1030	1023	1063
54.0	1969	1248	1094	1117	1101	1028	969.6	970.9	969.7	1044
56.0	1982	1196	1007	1038	1078	1001	916.3	913.8	920.3	1019
58.0	2005	1162	956.6	939.2	1061	977.5	866.7	858.6	882.9	1016
60.0	2030	1139	904.6	863.2	981.9	900.5	787.1	787.2	808.1	967.2
62.0	2069	1130	855.5	800.7	869.4	791.2	707.0	711.9	727.1	873.6
64.0	2112	1129	815.7	739.5	769.6	699.7	639.3	641.3	655.0	765.0
66.0	2124	1133	777.5	679.5	688.4	629.5	575.7	576.0	588.5	662.7
68.0	2135	1113	735.2	611.7	610.5	562.3	516.1	513.5	523.5	586.6
70.0	2126	1100	683.3	536.8	533.0	494.1	459.6	457.8	463.9	518.2
72.0	2093	1083	630.5	463.2	459.5	435.0	405.6	396.2	409.0	451.7
74.0	1895	1015	570.7	390.0	388.2	365.3	306.8	289.0	321.0	386.0

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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	1410	782.2	513.0	319.5	318.8	270.6	214.3	203.7	240.3	295.2
78.0	859.0	491.7	419.2	255.5	236.4	187.8	153.2	147.5	159.8	209.5
80.0	452.1	288.4	280.2	177.6	154.0	123.1	99.04	93.93	104.8	137.1
82.0	269.5	161.5	147.3	115.1	84.52	70.74	57.05	53.17	60.36	77.38
84.0	88.02	76.38	69.58	52.61	40.74	32.71	26.59	21.83	28.37	35.33
86.0	39.59	34.29	30.17	19.32	15.46	11.83	7.987	7.083	10.14	12.68
88.0	21.79	18.43	14.09	9.459	6.212	4.661	2.762	2.745	3.491	4.955
90.0	18.20	16.08	11.88	7.514	4.281	2.915	2.371	2.313	2.585	3.413
92.0	20.02	18.01	13.68	8.982	5.324	3.685	3.082	2.968	3.247	4.148
94.0	22.33	20.40	15.88	10.79	6.639	4.658	3.986	3.773	4.154	5.229
96.0	24.79	22.85	18.13	12.69	8.102	5.773	4.836	4.717	5.125	6.451
98.0	27.05	25.06	20.25	14.62	9.671	7.028	5.915	5.773	6.229	7.815
100.0	28.90	26.87	22.14	16.54	11.35	8.368	7.114	6.962	7.489	9.290
102.0	30.35	28.32	23.81	18.34	13.08	9.813	8.432	8.262	8.840	10.86
104.0	31.56	29.52	25.23	20.00	14.81	11.32	9.825	9.658	10.27	12.47
106.0	32.66	30.59	26.45	21.49	16.49	12.86	11.28	11.11	11.76	14.09
108.0	33.61	31.54	27.52	22.84	18.06	14.39	12.77	12.59	13.28	15.71
110.0	34.42	32.41	28.56	24.10	19.49	15.88	14.25	14.07	14.78	17.25
112.0	35.14	33.24	29.62	25.34	20.83	17.31	15.72	15.55	16.26	18.72
114.0	35.78	34.09	30.71	26.52	22.06	18.70	17.20	17.01	17.74	20.15
116.0	36.33	34.85	31.75	27.59	23.28	20.10	18.65	18.47	19.22	21.56
118.0	36.66	35.36	32.60	28.58	24.51	21.51	20.10	19.94	20.75	22.99
120.0	36.75	35.60	33.12	29.45	25.73	22.93	21.58	21.45	22.31	24.48
122.0	36.68	35.58	33.33	30.20	26.94	24.38	23.09	22.97	23.91	26.01
124.0	36.47	35.32	33.26	30.75	28.07	25.84	24.62	24.54	25.51	27.57
126.0	36.17	34.83	33.04	31.16	29.07	27.20	26.09	26.09	27.09	29.11
128.0	35.72	34.21	32.73	31.45	29.86	28.45	27.48	27.56	28.58	30.57
130.0	35.26	33.62	32.41	31.61	30.52	29.50	28.72	28.88	29.93	31.88
132.0	34.97	33.16	32.10	31.69	30.98	30.32	29.77	30.04	31.10	33.04
134.0	34.81	32.93	31.89	31.72	31.33	31.00	30.68	31.03	32.12	34.04
136.0	34.68	32.79	31.87	31.72	31.64	31.54	31.45	31.90	33.00	34.89
138.0	34.55	32.82	31.94	31.81	31.90	32.01	32.10	32.64	33.77	35.58
140.0	34.37	32.90	32.04	31.93	32.16	32.42	32.66	33.28	34.41	36.17
142.0	34.13	32.88	32.09	32.06	32.34	32.77	33.15	33.85	34.94	36.66
144.0	33.77	32.77	32.12	32.20	32.48	33.08	33.57	34.31	35.36	37.05
146.0	33.34	32.56	32.13	32.31	32.55	33.31	33.90	34.65	35.67	37.29
148.0	33.01	32.44	32.21	32.46	32.64	33.53	34.17	34.92	35.90	37.43
150.0	32.76	32.40	32.31	32.52	32.70	33.68	34.36	35.13	36.05	37.44
152.0	32.60	32.40	32.38	32.52	32.69	33.75	34.45	35.26	36.12	37.35
154.0	32.56	32.45	32.42	32.52	32.62	33.71	34.44	35.26	36.06	37.17
156.0	32.51	32.46	32.37	32.48	32.49	33.54	34.27	35.11	35.85	36.86
158.0	32.39	32.41	32.37	32.46	32.39	33.36	34.03	34.84	35.52	36.45
160.0	32.17	32.29	32.29	32.43	32.30	33.18	33.77	34.48	35.09	35.92
162.0	31.87	32.06	32.13	32.32	32.18	32.98	33.43	34.04	34.60	35.33
164.0	31.65	31.92	32.08	32.32	32.13	32.82	33.20	33.73	34.16	34.77
166.0	31.44	31.77	31.98	32.20	32.02	32.76	33.06	33.54	33.87	34.37
168.0	31.20	31.53	31.69	31.94	31.77	32.55	32.80	33.23	33.49	33.87
170.0	31.01	31.24	31.36	31.62	31.42	32.20	32.41	32.78	32.99	33.29
172.0	30.82	30.97	31.07	31.30	31.02	31.78	31.95	32.26	32.41	32.66
174.0	30.64	30.71	30.79	30.94	30.55	31.29	31.42	31.68	31.79	31.99
176.0	30.49	30.45	30.42	30.48	29.99	30.67	30.74	30.97	31.04	31.21
178.0	30.27	30.09	29.94	29.91	29.33	29.94	29.92	30.13	30.19	30.33
180.0	29.93	29.61	29.32	29.16	28.44	29.03	28.90	29.03	29.06	29.17

G/C	300.0	310.0	320.0	330.0	340.0	350.0
0.0	3299	3299	3299	3299	3299	3299
2.0	3095	3118	3156	3188	3224	3270
4.0	2866	2916	2987	3066	3144	3232
6.0	2609	2699	2812	2936	3064	3198
8.0	2351	2470	2625	2803	2981	3163
10.0	2116	2249	2443	2666	2900	3132
12.0	1927	2058	2263	2531	2823	3107
14.0	1768	1905	2104	2400	2749	3084
16.0	1632	1767	1970	2277	2676	3066
18.0	1553	1647	1854	2161	2602	3051
20.0	1489	1561	1741	2059	2529	3034
22.0	1428	1499	1638	1956	2455	3011
24.0	1374	1446	1554	1861	2379	2996
26.0	1320	1395	1489	1771	2299	2980
28.0	1272	1342	1434	1684	2226	2979
30.0	1228	1293	1387	1606	2163	2990
32.0	1191	1250	1341	1537	2111	3005
34.0	1156	1226	1303	1482	2072	3032
36.0	1124	1179	1270	1443	2049	3074
38.0	1096	1152	1243	1414	2031	3118

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-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	1070	1125	1222	1397	2034	3190
42.0	1049	1100	1202	1385	2054	3291
44.0	1038	1072	1184	1389	2106	3451
46.0	1036	1053	1177	1428	2243	3775
48.0	1050	1042	1193	1574	2440	3984
50.0	1070	1051	1300	1604	2304	3738
52.0	1079	1105	1323	1430	2170	3604
54.0	1079	1170	1165	1319	2136	3586
56.0	1077	1076	1060	1260	2147	3621
58.0	1073	968.5	997.5	1223	2171	3676
60.0	973.5	891.5	941.0	1195	2203	3722
62.0	885.3	826.1	889.5	1178	2237	3797
64.0	796.7	765.3	840.7	1181	2286	3899
66.0	713.3	702.8	801.3	1189	2324	3889
68.0	627.2	633.7	761.4	1180	2327	3849
70.0	544.3	555.8	717.8	1179	2338	3791
72.0	464.4	472.2	665.5	1170	2322	3614
74.0	387.8	397.0	613.4	1113	2176	3227
76.0	318.7	327.0	552.6	898.5	1732	2499
78.0	235.8	264.8	447.2	572.3	1118	1777
80.0	152.9	192.9	298.0	317.7	650.2	1160
82.0	86.08	123.9	149.3	168.3	322.1	542.5
84.0	41.95	54.94	72.61	77.03	141.9	239.5
86.0	15.37	19.24	31.86	36.53	52.66	135.2
88.0	6.951	10.08	14.80	19.70	25.02	31.39
90.0	5.197	8.728	13.24	17.51	19.88	19.48
92.0	6.276	10.24	15.06	19.43	21.34	20.50
94.0	7.716	12.03	17.14	21.73	23.68	22.68
96.0	9.322	14.05	19.48	24.16	26.03	24.80
98.0	11.04	16.08	21.72	26.56	28.53	27.22
100.0	12.84	18.05	23.72	28.58	30.67	29.42
102.0	14.67	19.95	25.50	30.22	32.40	31.26
104.0	16.49	21.68	27.05	31.64	33.86	32.79
106.0	18.24	23.25	28.40	32.94	35.18	34.12
108.0	19.90	24.75	29.64	34.13	36.39	35.25
110.0	21.48	26.22	30.86	35.22	37.40	36.18
112.0	22.97	27.70	32.18	36.28	38.24	36.91
114.0	24.42	29.22	33.62	37.42	39.01	37.50
116.0	25.84	30.77	35.09	38.59	39.78	38.00
118.0	27.25	32.29	36.56	39.67	40.41	38.32
120.0	28.71	33.76	37.92	40.60	40.79	38.37
122.0	30.16	35.11	39.13	41.30	40.93	38.19
124.0	31.57	36.37	40.12	41.78	40.81	37.77
126.0	32.90	37.45	40.89	42.04	40.50	37.13
128.0	34.09	38.38	41.53	42.15	40.01	36.34
130.0	35.12	39.17	42.04	42.17	39.50	35.52
132.0	35.98	39.88	42.33	42.14	39.10	34.84
134.0	36.69	40.45	42.40	41.94	38.72	34.31
136.0	37.33	40.78	42.36	41.56	38.16	33.79
138.0	37.91	40.92	42.20	41.07	37.52	33.18
140.0	38.39	40.93	41.90	40.58	36.88	32.57
142.0	38.73	40.85	41.50	40.04	36.36	32.00
144.0	38.98	40.73	41.03	39.50	35.90	31.51
146.0	39.07	40.52	40.52	38.87	35.40	31.00
148.0	39.00	40.27	40.02	38.29	34.96	30.64
150.0	38.81	39.93	39.52	37.74	34.60	30.41
152.0	38.49	39.45	38.95	37.18	34.22	30.29
154.0	38.10	38.83	38.35	36.62	33.92	30.32
156.0	37.63	38.13	37.61	36.03	33.61	30.38
158.0	37.10	37.39	36.83	35.46	33.33	30.48
160.0	36.47	36.64	36.04	34.86	32.98	30.52
162.0	35.77	35.86	35.25	34.24	32.57	30.43
164.0	35.11	35.26	34.69	33.79	32.31	30.44
166.0	34.60	34.63	34.17	33.30	32.00	30.39
168.0	34.03	33.98	33.49	32.69	31.57	30.24
170.0	33.36	33.28	32.75	32.04	31.12	30.08
172.0	32.69	32.57	32.05	31.41	30.69	29.94
174.0	32.00	31.85	31.37	30.86	30.30	29.83
176.0	31.18	31.06	30.66	30.30	29.86	29.69
178.0	30.25	30.17	29.89	29.67	29.41	29.49
180.0	29.08	29.07	28.90	28.86	28.79	29.05

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:56.6-MIN:45.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-3-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII