ANEXO 26-0328-1-A KAYRA II 36 LED RA10MIII 65W

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:	64.69 W		
I80 = 104.1 cd per klm.	I88	=	1.5 cd per klm.
I90 = 1.1 cd per klm.	I80/I88	=	70.533

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

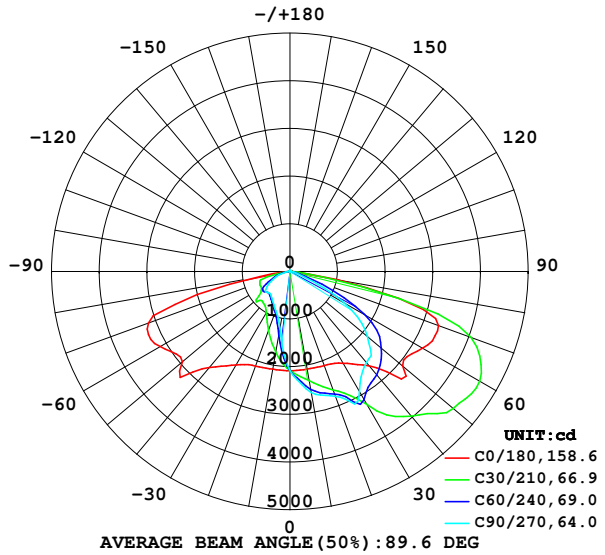
γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.01V I:0.2983A P:64.686W PF:0.9856 Freq:60.01Hz Lamp Flux:9830.8x1 lm		
NAME: ANEXO 26-0328-1-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

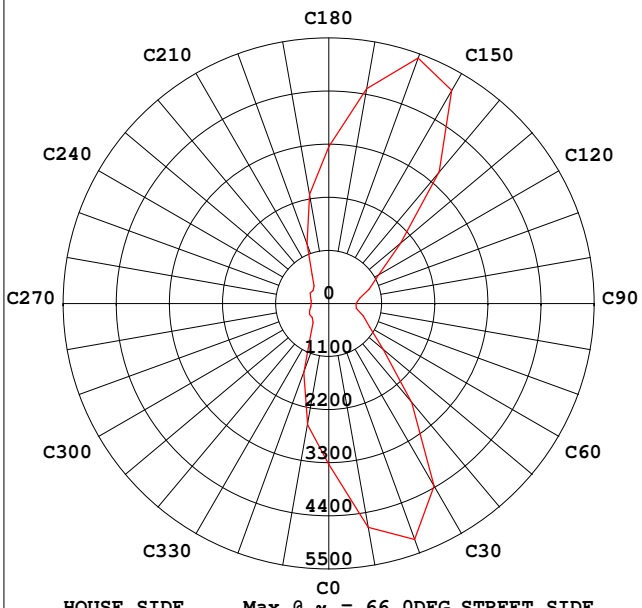
DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.98 lm/W			
MODEL	2X6/740 5050	Imax(cd)	5413	η street_up(%)	0.3
NOMINAL POWER(W)	65	LOR(%)	100.0	η street_down(%)	72.7
RATED VOLTAGE(V)	---	TOTAL FLUX(lm)	9831	η house_up(%)	0.6
NOMINAL FLUX(lm)	9830.8	MAXIMUM @(C,γ)	160,66.0	η house_down(%)	26.4
LAMPS INSIDE	1	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%):89.6 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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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

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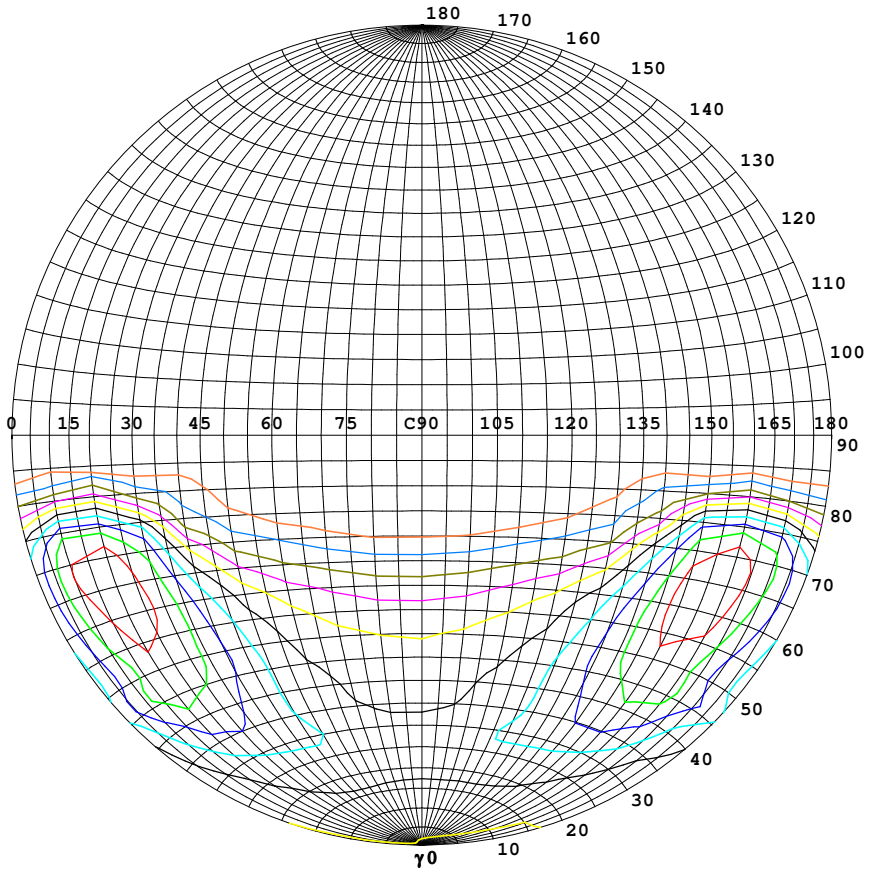
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



Classification:

IES:Type III - Short
CIE:Average - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:177.5cd/klm
Max.At90:1.243cd/klm
Max.80-90:177.5cd/klm
NRB 5101:Non limited[37.4%]

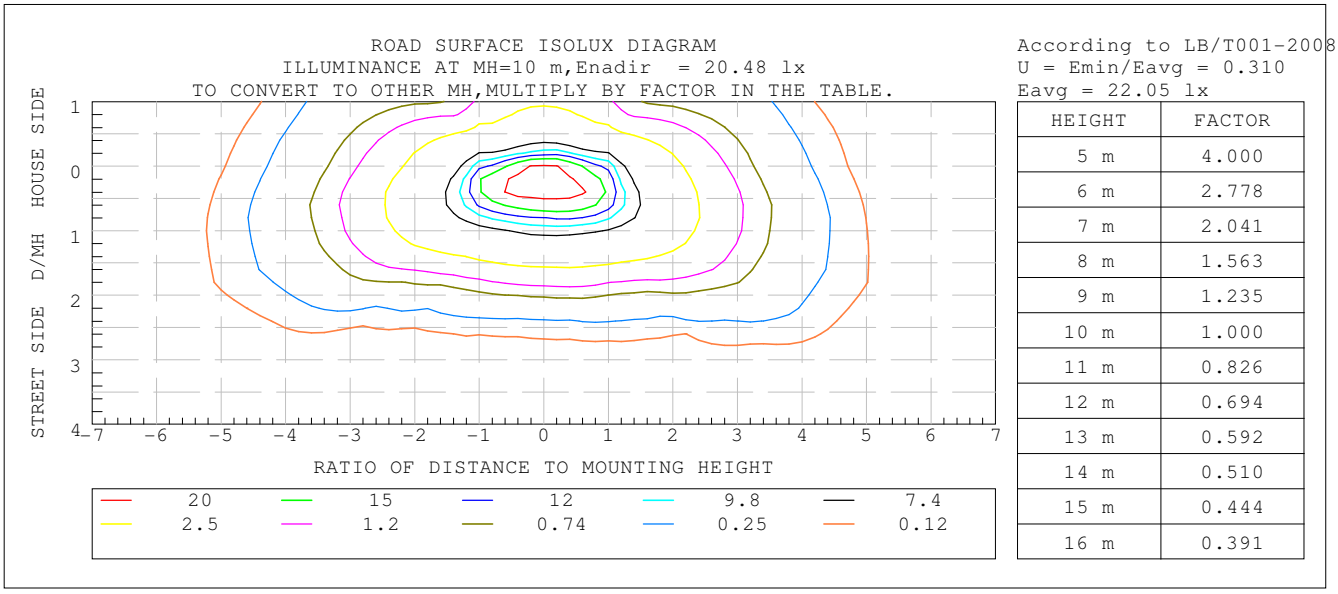
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	5413
90%	4872
80%	4331
70%	3789
60%	3248
50%	2707
40%	2165
30%	1624
20%	1083
10%	541
5%	271

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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 = 0.310
Eavg = 22.05 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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-A KAYRA II 36 LED RA10MI
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Lentes: RA10MIII

ZONAL FLUX DIAGRAM

Test:U:220.01V I:0.2983A P:64.686W PF:0.9856 Freq:60.01Hz Lamp Flux:9830.8x1 lm		
NAME: ANEXO 26-0328-1-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
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	2081	2436	2580	2436	2083	1524	1229	1477	0- 10	192.8	192.8	1.96,1.96
20	2105	2722	2786	2815	2115	1034	881.0	1035	10- 20	551.3	744.1	7.57,7.57
30	2224	3316	2914	3522	2265	820.5	728.4	838.3	20- 30	925.0	1669	17,17
40	2590	3349	2503	3817	2631	723.1	634.7	736.4	30- 40	1320	2989	30.4,30.4
50	3087	3364	2122	3937	2950	713.4	672.4	751.4	40- 50	1733	4721	48,48
60	3220	2881	1299	3518	3152	552.7	508.5	579.8	50- 60	1937	6659	67.7,67.7
70	3319	1361	259.8	1977	3163	384.7	297.5	410.4	60- 70	1832	8490	86.4,86.4
80	1023	292.6	62.25	413.9	644.8	149.2	58.51	152.9	70- 80	1143	9633	98,98
90	10.96	2.751	1.270	2.676	9.428	5.895	1.421	6.812	80- 90	115.8	9749	99.2,99.2
100	15.55	3.436	2.280	3.537	15.42	12.10	4.327	13.30	90-100	7.525	9756	99.2,99.2
110	19.25	4.756	3.375	4.844	18.86	16.55	8.783	18.13	100-110	11.01	9767	99.4,99.4
120	21.27	6.229	4.486	6.218	20.81	19.79	13.40	22.76	110-120	13.02	9780	99.5,99.5
130	21.31	7.508	5.361	6.971	21.47	20.25	18.05	25.72	120-130	13.47	9794	99.6,99.6
140	19.71	8.882	6.222	8.166	20.97	20.13	20.84	26.15	130-140	12.26	9806	99.7,99.7
150	18.51	10.79	7.973	9.650	19.89	20.37	22.02	25.00	140-150	10.22	9816	99.9,99.9
160	18.36	13.00	10.82	11.70	19.43	20.36	21.65	22.83	150-160	7.765	9824	99.9,99.9
170	18.44	15.65	14.43	14.37	19.13	19.82	20.56	20.69	160-170	4.919	9829	100,100
180	19.28	18.42	18.22	18.15	19.30	18.43	18.21	18.15	170-180	1.718	9831	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 11.5 %									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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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

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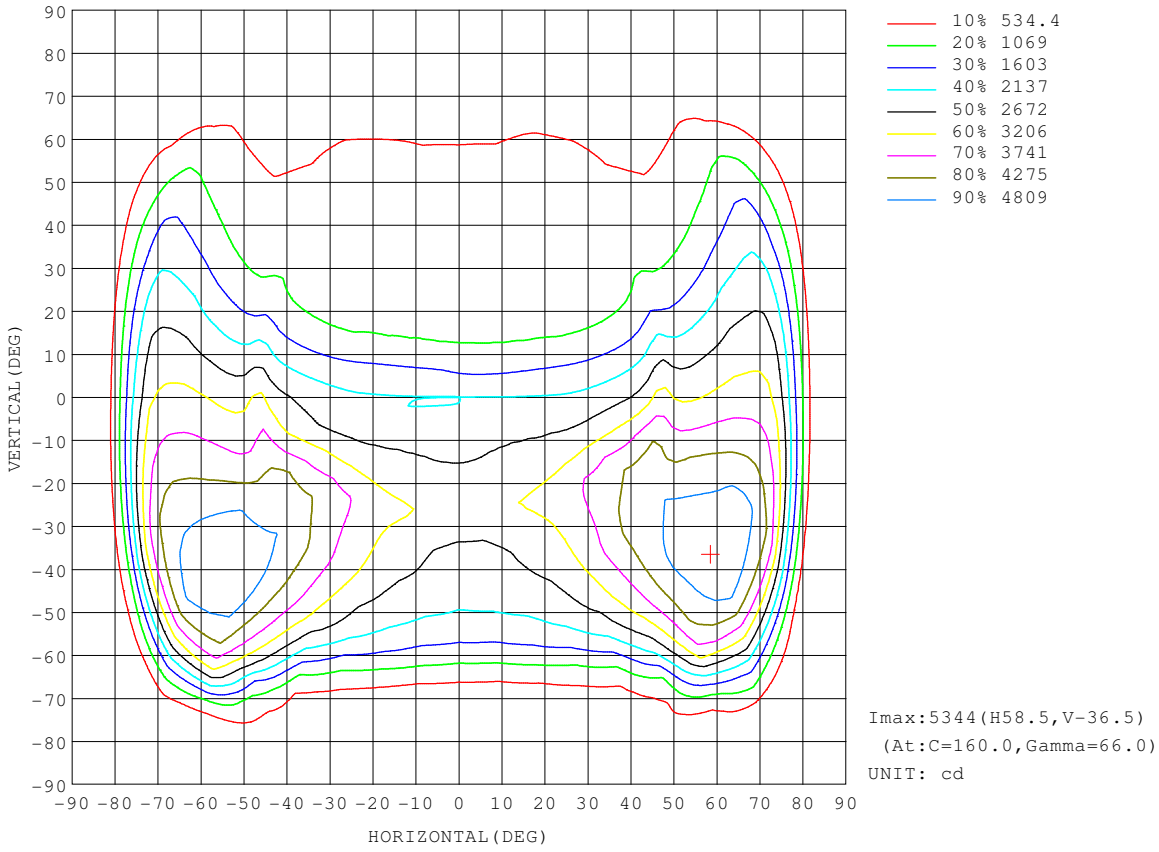
NAME: ANEXO 26-0328-1-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



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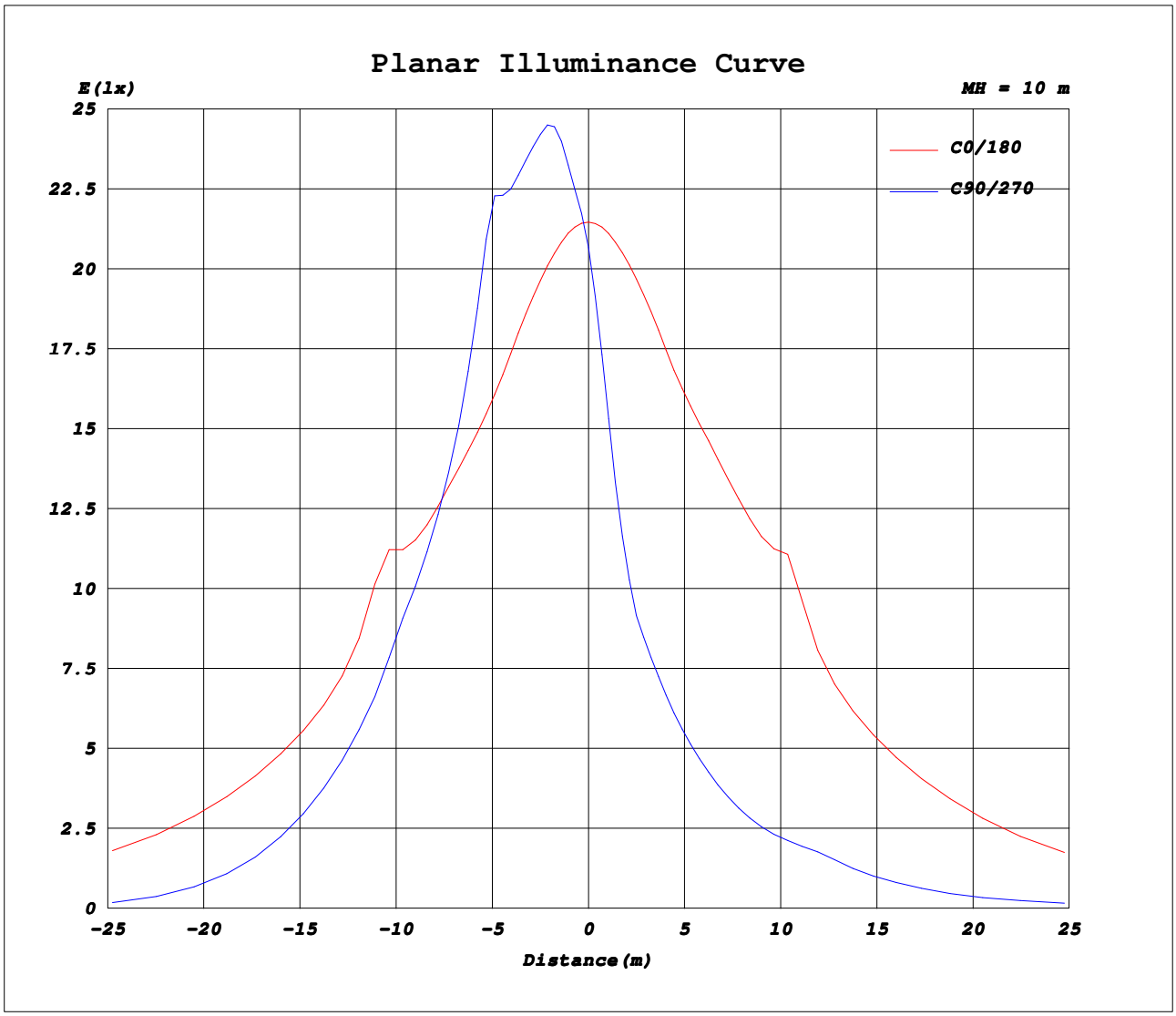
Lentes: RA10MIII

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':47"

LCS REPORT

Test:U:220.01V I:0.2983A P:64.686W PF:0.9856 Freq:60.01Hz Lamp Flux:9830.8x1 lm		
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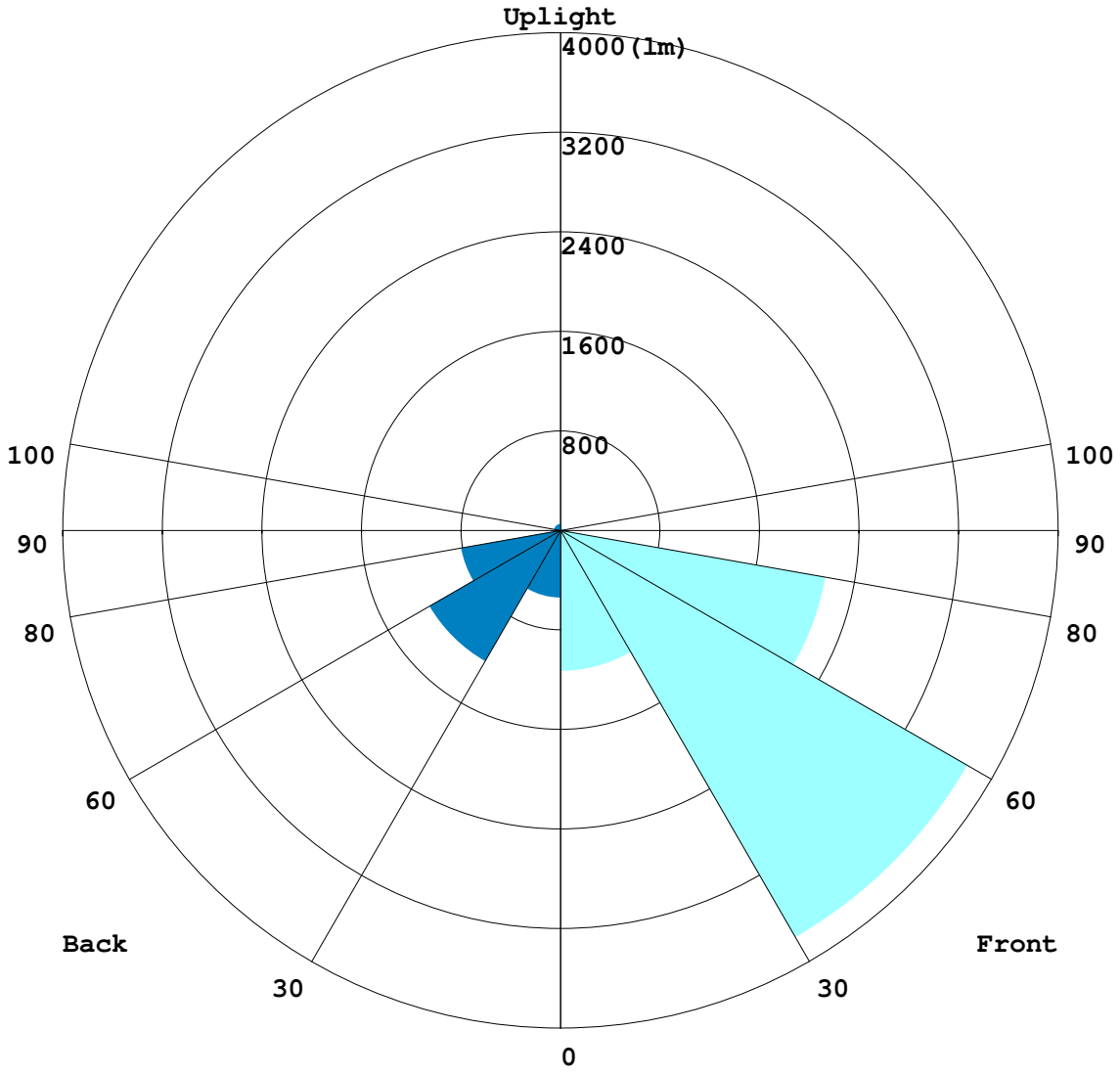
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



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BUG REPORT

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IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1129.3	11.5
FM - Front-Medium(30-60)	3775.2	38.4
FH - Front-High(60-80)	2164.7	22.0
FVH - Front-Very High(80-90)	81.643	0.8
Total Forward Light	7177.6	73.0

BL - Back-Low(0-30)	539.75	5.5
BM - Back-Medium(30-60)	1214.4	12.4
BH - Back-High(60-80)	809.78	8.2
BVH - Back-Very High(80-90)	34.146	0.3
Total Back Light	2653.2	27.0

UL - Uplight-Low(90-100)	7.5252	0.1
UH - Uplight-High(100-180)	74.375	0.8
Total Up Light	81.9	0.8

BUG(Back,Up,Glare) Rating	B2-U3-G2

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2598.1	55.156	2653.2
Street Side	7150.8	26.744	7177.6

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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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MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII

ROAD ISOCANDELA REPORT

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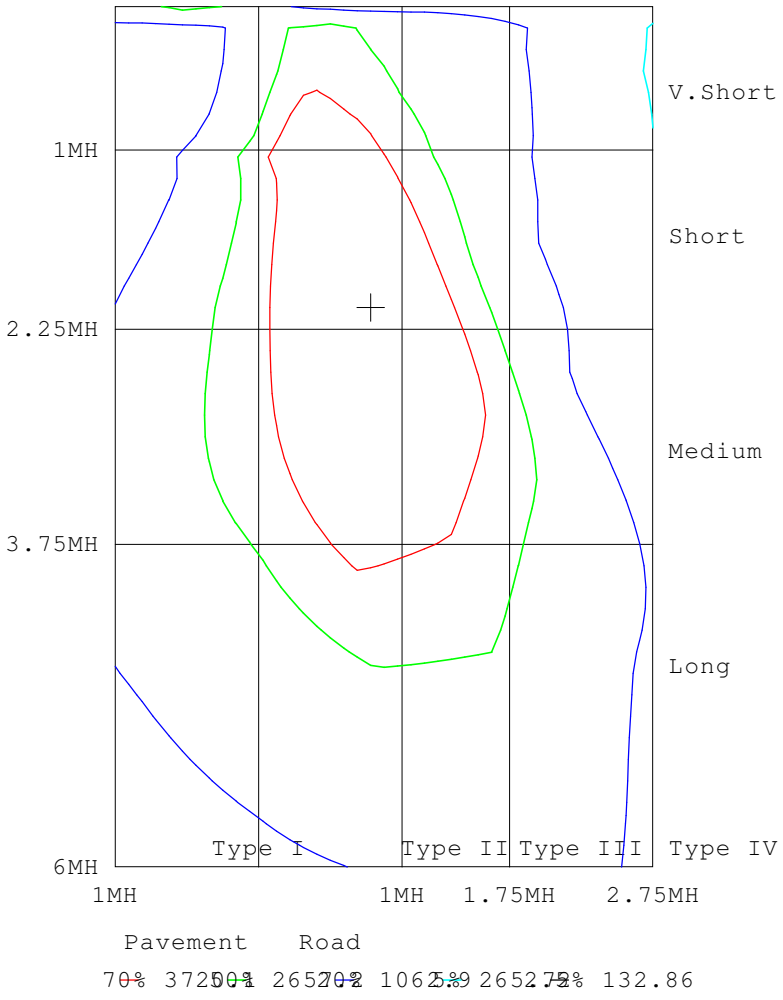
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

ROAD SURFACE ISOCANDELA DIAGRAM



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LUMINOUS DISTRIBUTION INTENSITY DATA

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SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
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	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
5	2083	2118	2149	2177	2202	2225	2245	2264	2275	2283	2281	2279	2265	2251	2227	2199	2164	2124	2082
10	2081	2165	2244	2328	2406	2466	2510	2548	2566	2580	2573	2561	2525	2473	2400	2328	2259	2178	2083
15	2086	2200	2329	2454	2541	2597	2625	2646	2656	2671	2676	2685	2679	2636	2552	2435	2319	2216	2091
20	2105	2274	2489	2644	2714	2731	2737	2756	2768	2786	2795	2813	2825	2834	2796	2659	2453	2278	2115
25	2124	2358	2631	2794	2858	2863	2878	2909	2934	2949	2958	2967	2983	3010	2991	2857	2608	2344	2142
30	2224	2605	2990	3222	3348	3284	3111	2971	2895	2914	2979	3165	3372	3523	3522	3328	3006	2565	2265
35	2345	2869	3391	3627	3500	3213	2937	2760	2658	2672	2761	2972	3249	3589	3846	3803	3394	2798	2391
40	2590	3405	4029	3963	3551	3147	2831	2621	2504	2503	2615	2854	3178	3581	4053	4360	4088	3255	2631
45	2926	3953	4354	4151	3639	3133	2732	2517	2440	2458	2518	2731	3115	3625	4190	4605	4527	3758	2933
50	3087	4007	4616	4472	3730	2995	2501	2314	2151	2122	2261	2501	2859	3534	4341	4903	4619	3755	2950
55	3039	4097	4776	4552	3651	2830	2324	2028	1871	1870	1972	2269	2658	3375	4315	5077	4852	3894	2952
60	3220	4426	5091	4603	3368	2391	1810	1515	1323	1299	1419	1715	2139	2938	4099	5280	5223	4233	3152
65	3324	4627	5196	4461	2971	1829	1262	1022	840	816	929	1171	1524	2328	3794	5218	5384	4436	3255
70	3319	4715	4990	4038	1937	782	511	311	261	260	280	393	614	1072	2884	4730	5248	4570	3163
75	2913	4243	4214	3239	902	369	229	185	156	155	164	208	281	490	1632	3949	4456	4055	2510
80	1023	1499	1745	752	423	161	84.2	73.9	62.5	62.3	68.6	77.8	105	216	612	1076	1640	1100	645
85	154	310	256	172	177	56.1	32.3	27.0	22.2	11.7	26.4	28.0	40.2	70.0	186	135	247	137	109
90	11.0	8.81	6.34	4.53	3.19	2.31	1.98	1.94	1.77	1.27	1.91	2.08	2.14	2.37	2.98	4.15	5.73	8.12	9.43
95	12.6	9.59	6.66	4.46	3.06	2.29	1.95	1.80	1.70	1.60	1.73	1.84	2.00	2.36	3.10	4.45	6.74	9.83	11.8
100	15.5	11.9	8.33	5.62	3.90	2.97	2.58	2.39	2.32	2.28	2.32	2.44	2.62	3.06	4.02	5.81	8.78	12.6	15.4
105	17.2	13.3	9.40	6.41	4.50	3.46	3.00	2.77	2.71	2.71	2.73	2.83	3.04	3.51	4.60	6.63	10.04	14.4	17.2
110	19.3	15.1	10.8	7.47	5.35	4.16	3.61	3.35	3.34	3.38	3.33	3.41	3.66	4.21	5.48	7.81	11.7	16.4	18.9
115	20.1	15.9	11.5	8.16	5.98	4.69	4.01	3.77	3.78	3.84	3.75	3.80	4.06	4.75	6.11	8.57	12.5	17.3	19.6
120	21.3	17.2	12.9	9.41	7.02	5.44	4.61	4.40	4.44	4.49	4.38	4.34	4.59	5.43	7.01	9.56	13.5	18.1	20.8
125	21.6	17.7	13.6	10.1	7.61	5.91	5.01	4.80	4.83	4.86	4.75	4.70	4.91	5.74	7.33	9.80	13.5	17.8	21.3
130	21.3	17.9	14.2	10.9	8.37	6.65	5.69	5.43	5.37	5.36	5.24	5.24	5.46	6.23	7.71	9.93	13.1	16.7	21.5
135	20.7	17.8	14.4	11.3	8.83	7.19	6.21	5.85	5.71	5.67	5.54	5.58	5.86	6.72	8.06	10.03	12.8	15.9	21.5
140	19.7	17.3	14.6	11.9	9.67	8.09	7.13	6.62	6.35	6.22	6.06	6.17	6.60	7.49	8.84	10.6	12.6	14.9	21.0
145	19.1	17.1	14.7	12.3	10.3	8.81	7.78	7.27	6.93	6.77	6.62	6.76	7.22	8.08	9.31	10.9	12.6	14.6	20.5
150	18.5	17.0	15.1	13.2	11.5	10.1	8.96	8.51	8.12	7.97	7.85	8.01	8.42	9.16	10.14	11.4	12.8	14.2	19.9
155	18.4	17.1	15.5	13.8	12.3	11.0	9.87	9.51	9.14	8.99	8.89	9.03	9.41	10.01	10.9	12.0	13.1	14.4	19.7
160	18.4	17.3	16.1	14.8	13.5	12.5	11.4	11.3	11.0	10.8	10.7	10.8	11.0	11.4	12.0	12.8	13.9	15.0	19.4
165	18.3	17.4	16.4	15.4	14.4	13.6	12.6	12.6	12.3	12.2	12.1	12.1	12.2	12.5	12.9	13.5	14.4	15.4	19.2
170	18.4	17.9	17.3	16.6	15.9	15.4	14.6	14.8	14.5	14.4	14.3	14.2	14.1	14.2	14.5	14.9	15.5	16.2	19.1
175	18.8	18.5	18.0	17.4	17.0	16.6	15.9	16.2	16.0	15.9	15.7	15.7	15.6	15.6	15.8	16.1	16.5	17.0	19.2
180	19.3	19.1	18.9	18.7	18.5	18.4	17.9	18.3	18.1	18.2	18.2	18.3	18.2	18.2	18.1	18.1	18.1	18.2	19.3

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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:220.01V I:0.2983A P:64.686W PF:0.9856 Freq:60.01Hz Lamp Flux:9830.8x1 lm		
NAME: ANEXO 26-0328-1-A KAYRA II 36 LED	TYPE:ALUMBRADO PUBLICO	WEIGHT:----
SPEC.:36 LED 65W	DIM.: ----	SERIAL No.:26-0328-1
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	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083		
5	2044	2003	1958	1915	1870	1830	1794	1772	1759	1764	1776	1803	1838	1882	1931	1986	2040		
10	1983	1858	1722	1588	1460	1357	1280	1243	1229	1240	1270	1329	1416	1538	1680	1832	1978		
15	1949	1762	1557	1364	1216	1117	1050	1019	1011	1020	1048	1108	1201	1325	1513	1735	1949		
20	1905	1613	1315	1101	967	920	893	880	881	885	902	934	977	1093	1296	1599	1917		
25	1873	1505	1175	969	888	846	817	806	809	811	827	860	906	975	1168	1503	1895		
30	1862	1354	998	850	790	754	736	727	728	733	748	769	809	868	1006	1367	1893		
35	1884	1289	919	799	741	711	694	684	684	691	706	725	759	816	927	1309	1925		
40	1959	1250	869	754	692	659	650	636	635	643	663	671	706	767	873	1288	2026		
45	2103	1273	857	734	666	640	630	621	628	630	643	652	673	745	875	1345	2209		
50	2117	1278	933	778	649	679	659	662	672	664	671	680	665	838	1015	1470	2393		
55	2068	1204	761	680	706	705	653	619	621	620	670	693	748	733	826	1365	2304		
60	2164	1252	694	561	545	638	583	509	508	522	635	627	565	594	754	1421	2409		
65	2293	1314	691	506	469	502	450	412	414	423	499	517	489	534	755	1496	2548		
70	2228	1326	676	426	343	346	320	299	297	301	336	353	357	464	776	1560	2509		
75	1854	1191	637	360	249	252	236	197	187	207	253	253	256	405	744	1467	2160		
80	546	326	182	182	116	99.6	76.4	61.5	58.5	65.6	88.8	99.4	125	181	201	432	694		
85	148	45.0	43.4	41.3	31.3	24.9	19.5	15.7	12.8	16.8	21.8	25.3	33.8	45.2	41.9	84.1	145		
90	11.3	11.5	10.0	7.27	4.52	2.56	1.76	1.45	1.42	1.59	2.09	3.21	5.42	8.21	10.8	12.2	11.8		
95	14.1	14.5	13.0	9.94	6.65	4.05	2.84	2.47	2.33	2.59	3.28	4.88	7.67	10.9	13.8	15.1	14.4		
100	18.2	18.7	17.2	13.9	10.3	6.98	5.16	4.41	4.33	4.68	5.85	8.12	11.5	15.1	18.2	19.6	18.8		
105	19.9	20.4	18.9	15.9	12.4	9.16	7.00	6.09	6.02	6.43	7.87	10.4	13.8	17.2	20.1	21.6	20.9		
110	21.7	22.2	20.7	18.1	15.1	12.1	9.85	8.86	8.78	9.25	10.9	13.6	16.6	19.6	22.3	23.8	22.9		
115	22.4	23.1	21.8	19.5	16.6	13.7	11.6	10.7	10.6	11.1	12.7	15.5	18.5	21.4	23.8	24.8	23.7		
120	23.1	23.6	22.8	21.1	18.5	16.0	14.3	13.4	13.4	14.0	15.4	18.1	21.4	24.1	25.8	25.9	24.2		
125	23.1	23.4	22.6	21.2	19.4	17.5	16.1	15.3	15.3	16.0	17.4	20.0	23.0	25.5	26.5	25.9	23.8		
130	22.8	22.5	21.4	20.6	19.9	19.1	18.4	17.9	18.0	18.7	20.1	22.2	24.8	26.6	26.7	25.0	22.4		
135	22.7	22.1	20.9	20.2	20.0	19.6	19.4	19.2	19.4	20.1	21.4	23.2	25.6	26.8	26.5	24.5	21.6		
140	22.1	21.8	20.8	20.2	20.1	20.2	20.3	20.5	20.8	21.6	22.7	24.2	25.8	26.5	25.6	23.3	20.5		
145	21.6	21.4	20.7	20.2	20.2	20.4	20.7	21.0	21.5	22.2	23.3	24.5	25.6	25.9	24.9	22.7	19.8		
150	20.8	20.8	20.4	20.3	20.4	20.5	21.1	21.6	22.0	22.6	23.5	24.4	25.1	24.9	23.7	21.8	19.1		
155	20.5	20.6	20.5	20.4	20.4	20.4	21.1	21.6	22.1	22.6	23.3	23.9	24.4	24.1	23.0	21.3	19.0		
160	20.1	20.4	20.4	20.4	20.4	20.3	20.8	21.2	21.6	22.0	22.5	22.9	23.0	22.7	21.9	20.7	19.2		
165	19.8	20.1	20.2	20.2	20.3	20.2	20.6	20.9	21.2	21.4	21.8	22.1	22.1	21.8	21.2	20.3	19.1		
170	19.4	19.6	19.7	19.8	19.9	19.7	20.2	20.3	20.6	20.6	20.8	20.9	20.8	20.5	20.1	19.6	18.8		
175	19.3	19.4	19.4	19.4	19.5	19.2	19.7	19.7	19.9	19.9	20.0	20.0	19.9	19.7	19.4	19.0	18.7		
180	19.1	18.9	18.7	18.5	18.4	17.9	18.2	18.2	18.2	18.2	18.3	18.2	18.2	18.1	18.1	18.1	18.2		

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.0	2083	2101	2117	2133	2146	2159	2170	2183	2189	2195
4.0	2083	2118	2149	2177	2202	2225	2245	2264	2275	2283
6.0	2083	2135	2180	2222	2263	2300	2332	2359	2375	2382
8.0	2082	2149	2210	2272	2332	2385	2427	2461	2480	2490
10.0	2081	2165	2244	2328	2406	2466	2510	2548	2566	2580
12.0	2083	2181	2284	2390	2476	2538	2568	2609	2627	2639
14.0	2086	2200	2329	2454	2541	2597	2625	2646	2656	2671
16.0	2091	2221	2380	2517	2605	2643	2659	2678	2688	2704
18.0	2098	2246	2434	2582	2660	2685	2697	2714	2724	2741
20.0	2105	2274	2489	2644	2714	2731	2737	2756	2768	2786
22.0	2112	2309	2562	2712	2778	2784	2793	2816	2829	2845
24.0	2124	2358	2631	2794	2858	2863	2878	2909	2934	2949
26.0	2148	2422	2722	2902	2967	2997	3045	3065	3076	3093
28.0	2181	2504	2842	3037	3140	3196	3159	3091	3046	3065
30.0	2224	2605	2990	3222	3348	3284	3111	2971	2895	2914
32.0	2279	2731	3171	3452	3462	3264	3014	2851	2760	2776
34.0	2345	2869	3391	3627	3500	3213	2937	2760	2658	2672
36.0	2417	3027	3612	3762	3514	3173	2891	2699	2589	2596
38.0	2495	3209	3826	3865	3528	3158	2863	2655	2539	2539
40.0	2590	3405	4029	3963	3551	3147	2831	2621	2504	2503
42.0	2724	3652	4202	4055	3589	3142	2786	2573	2475	2474
44.0	2926	3953	4354	4151	3639	3133	2732	2517	2440	2458
46.0	3250	4156	4473	4293	3710	3112	2665	2446	2374	2359
48.0	3286	4131	4596	4425	3747	3070	2587	2383	2263	2228
50.0	3087	4007	4616	4472	3730	2995	2501	2314	2151	2122
52.0	3025	4010	4670	4500	3695	2917	2417	2166	2014	2004
54.0	3039	4097	4776	4552	3651	2830	2324	2028	1871	1870
56.0	3091	4205	4895	4593	3583	2720	2200	1884	1720	1712
58.0	3155	4316	5005	4612	3488	2556	2028	1718	1539	1523
60.0	3220	4426	5091	4603	3368	2391	1810	1515	1323	1299
62.0	3278	4526	5157	4549	3200	2140	1548	1277	1082	1058
64.0	3324	4627	5196	4461	2971	1829	1262	1022	840.2	816.3
66.0	3331	4705	5204	4363	2677	1479	983.6	768.6	579.5	566.2
68.0	3340	4743	5141	4230	2343	1111	732.3	499.2	352.2	354.6
70.0	3319	4715	4990	4038	1937	782.0	511.0	310.6	261.2	259.8
72.0	3211	4570	4702	3726	1413	533.4	320.4	247.9	206.7	203.9
74.0	2913	4243	4214	3239	902.1	368.5	228.9	185.3	155.6	155.1
76.0	2352	3598	3521	2387	624.2	279.3	176.3	138.7	120.5	119.3
78.0	1649	2548	2682	1536	487.0	216.5	125.5	103.4	85.58	85.13
80.0	1023	1499	1745	751.8	423.4	161.2	84.20	73.90	62.51	62.25
82.0	397.5	561.8	1000.0	349.0	327.0	103.4	55.11	48.01	41.68	41.17
84.0	153.6	309.9	255.7	171.7	176.9	56.10	32.27	27.02	22.19	11.70
86.0	39.98	58.24	132.8	53.93	53.90	22.55	14.64	12.70	9.211	3.545
88.0	14.51	13.68	12.02	9.668	7.261	5.395	4.570	4.608	3.348	1.587
90.0	10.96	8.812	6.337	4.530	3.190	2.310	1.981	1.943	1.765	1.270
92.0	11.54	8.801	6.102	4.115	2.828	2.120	1.810	1.657	1.556	1.394
94.0	12.61	9.591	6.657	4.460	3.064	2.291	1.950	1.796	1.700	1.603
96.0	13.59	10.35	7.179	4.808	3.309	2.502	2.145	1.986	1.919	1.863
98.0	14.62	11.14	7.762	5.223	3.602	2.740	2.360	2.191	2.118	2.072
100.0	15.55	11.90	8.330	5.617	3.897	2.973	2.581	2.390	2.316	2.280
102.0	16.42	12.63	8.874	6.013	4.187	3.220	2.796	2.582	2.511	2.495
104.0	17.22	13.32	9.400	6.407	4.495	3.464	2.995	2.772	2.710	2.712
106.0	17.99	13.99	9.922	6.802	4.805	3.694	3.195	2.958	2.916	2.925
108.0	18.67	14.59	10.38	7.162	5.077	3.917	3.395	3.147	3.118	3.149
110.0	19.25	15.10	10.78	7.472	5.348	4.162	3.606	3.349	3.338	3.375
112.0	19.71	15.51	11.14	7.797	5.650	4.424	3.814	3.555	3.556	3.601
114.0	20.10	15.89	11.52	8.163	5.981	4.691	4.013	3.773	3.783	3.836
116.0	20.52	16.31	11.94	8.577	6.336	4.952	4.212	3.986	4.009	4.057
118.0	20.93	16.76	12.42	9.005	6.687	5.207	4.417	4.195	4.231	4.280
120.0	21.27	17.17	12.86	9.408	7.015	5.440	4.613	4.401	4.443	4.486
122.0	21.52	17.51	13.25	9.786	7.319	5.685	4.809	4.602	4.645	4.682
124.0	21.63	17.74	13.58	10.12	7.613	5.914	5.012	4.805	4.828	4.861
126.0	21.64	17.90	13.87	10.43	7.880	6.152	5.231	5.006	5.014	5.029
128.0	21.54	17.97	14.09	10.68	8.134	6.395	5.449	5.215	5.194	5.194
130.0	21.31	17.94	14.25	10.91	8.366	6.646	5.693	5.426	5.368	5.361
132.0	21.01	17.87	14.36	11.11	8.591	6.912	5.941	5.631	5.532	5.509
134.0	20.69	17.77	14.43	11.27	8.832	7.190	6.214	5.852	5.706	5.669
136.0	20.38	17.64	14.47	11.44	9.099	7.473	6.504	6.093	5.904	5.834
138.0	20.06	17.48	14.49	11.65	9.370	7.773	6.808	6.348	6.112	6.015
140.0	19.71	17.33	14.56	11.87	9.669	8.092	7.130	6.624	6.345	6.222
142.0	19.40	17.22	14.65	12.10	9.979	8.437	7.454	6.932	6.616	6.476
144.0	19.13	17.14	14.75	12.34	10.31	8.810	7.784	7.269	6.927	6.773
146.0	18.90	17.06	14.84	12.60	10.67	9.220	8.147	7.646	7.286	7.121

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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	18.69	16.99	14.94	12.88	11.05	9.655	8.544	8.068	7.681	7.525
150.0	18.51	16.96	15.07	13.17	11.47	10.11	8.959	8.514	8.118	7.973
152.0	18.39	16.97	15.24	13.50	11.89	10.57	9.404	9.000	8.603	8.461
154.0	18.37	17.06	15.47	13.85	12.29	11.03	9.866	9.506	9.137	8.990
156.0	18.39	17.15	15.68	14.17	12.70	11.50	10.34	10.06	9.696	9.559
158.0	18.37	17.21	15.87	14.46	13.11	11.98	10.84	10.65	10.31	10.17
160.0	18.36	17.28	16.06	14.76	13.52	12.49	11.39	11.28	10.95	10.82
162.0	18.33	17.35	16.24	15.07	13.95	13.02	11.97	11.93	11.64	11.51
164.0	18.30	17.43	16.43	15.39	14.41	13.57	12.58	12.61	12.35	12.22
166.0	18.30	17.54	16.68	15.76	14.90	14.15	13.21	13.31	13.07	12.96
168.0	18.35	17.70	16.96	16.16	15.40	14.75	13.86	14.03	13.79	13.69
170.0	18.44	17.92	17.27	16.58	15.92	15.37	14.56	14.77	14.53	14.43
172.0	18.59	18.16	17.62	17.01	16.45	15.98	15.24	15.50	15.26	15.15
174.0	18.79	18.46	17.97	17.44	16.97	16.59	15.89	16.21	15.99	15.87
176.0	19.03	18.75	18.29	17.88	17.48	17.21	16.55	16.91	16.71	16.63
178.0	19.20	18.95	18.58	18.29	17.99	17.80	17.23	17.59	17.43	17.43
180.0	19.28	19.09	18.87	18.68	18.48	18.37	17.88	18.25	18.14	18.22

G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.0	2193	2193	2185	2176	2162	2146	2126	2103	2082	2064
4.0	2281	2279	2265	2251	2227	2199	2164	2124	2082	2044
6.0	2376	2365	2341	2316	2283	2247	2199	2142	2082	2023
8.0	2482	2467	2432	2389	2336	2287	2230	2159	2082	2003
10.0	2573	2561	2525	2473	2400	2328	2259	2178	2083	1983
12.0	2625	2636	2607	2555	2474	2376	2288	2197	2086	1965
14.0	2676	2685	2679	2636	2552	2435	2319	2216	2091	1949
16.0	2710	2722	2725	2708	2633	2505	2354	2234	2097	1934
18.0	2750	2766	2772	2770	2716	2577	2398	2255	2106	1920
20.0	2795	2813	2825	2834	2796	2659	2453	2278	2115	1905
22.0	2856	2874	2892	2911	2883	2751	2522	2304	2125	1888
24.0	2958	2967	2983	3010	2991	2857	2608	2344	2142	1873
26.0	3112	3139	3142	3133	3125	2986	2721	2402	2174	1864
28.0	3111	3238	3332	3338	3289	3141	2849	2474	2215	1860
30.0	2979	3165	3372	3523	3522	3328	3006	2565	2265	1862
32.0	2855	3054	3317	3585	3718	3569	3185	2677	2326	1871
34.0	2761	2972	3249	3589	3846	3803	3394	2798	2391	1884
36.0	2698	2924	3209	3578	3926	4023	3610	2933	2459	1902
38.0	2652	2891	3192	3570	3991	4203	3837	3092	2539	1925
40.0	2615	2854	3178	3581	4053	4360	4088	3255	2631	1959
42.0	2577	2802	3155	3605	4120	4488	4334	3447	2750	2006
44.0	2518	2731	3115	3625	4190	4605	4527	3758	2933	2103
46.0	2449	2646	3053	3628	4281	4725	4595	4020	3206	2289
48.0	2387	2560	2964	3596	4334	4843	4618	3894	3124	2280
50.0	2261	2501	2859	3534	4341	4903	4619	3755	2950	2117
52.0	2118	2422	2760	3460	4335	4973	4716	3793	2919	2069
54.0	1972	2269	2658	3375	4315	5077	4852	3894	2952	2068
56.0	1818	2107	2534	3272	4284	5174	4990	4012	3012	2092
58.0	1635	1924	2369	3134	4212	5248	5117	4130	3086	2131
60.0	1419	1715	2139	2938	4099	5280	5223	4233	3152	2164
62.0	1174	1461	1854	2633	3967	5277	5307	4344	3218	2218
64.0	928.9	1171	1524	2328	3794	5218	5384	4436	3255	2293
66.0	656.8	890.6	1196	1943	3565	5102	5413	4516	3251	2298
68.0	400.7	621.9	869.0	1527	3265	4941	5383	4592	3235	2275
70.0	280.1	392.7	613.8	1072	2884	4730	5248	4570	3163	2228
72.0	220.6	270.8	414.2	697.8	2345	4422	4965	4421	3014	2126
74.0	163.8	207.9	280.5	489.8	1632	3949	4456	4055	2510	1854
76.0	127.7	157.9	210.2	368.3	1185	3247	3681	3292	2007	1369
78.0	91.71	112.7	155.5	294.8	739.1	2222	2706	2227	1298	957.1
80.0	68.65	77.76	105.3	216.3	611.8	1076	1640	1100	644.8	546.1
82.0	45.99	49.18	68.43	135.2	417.4	391.4	671.7	409.9	376.4	268.5
84.0	26.41	27.96	40.24	70.03	185.9	134.5	246.7	137.1	108.9	147.6
86.0	11.93	13.29	18.00	25.66	57.23	36.12	126.9	32.26	27.37	27.63
88.0	4.071	4.504	4.775	5.188	6.559	7.698	9.527	10.54	11.12	12.19
90.0	1.910	2.084	2.138	2.371	2.981	4.149	5.727	8.125	9.428	11.32
92.0	1.559	1.672	1.822	2.166	2.835	4.059	6.110	8.907	10.58	12.64
94.0	1.733	1.838	2.002	2.361	3.102	4.447	6.743	9.827	11.82	14.11
96.0	1.922	2.032	2.205	2.600	3.418	4.914	7.432	10.79	13.11	15.60
98.0	2.118	2.229	2.406	2.824	3.724	5.377	8.108	11.70	14.32	17.01
100.0	2.320	2.435	2.620	3.056	4.020	5.813	8.781	12.61	15.42	18.18
102.0	2.524	2.638	2.835	3.283	4.305	6.221	9.434	13.51	16.36	19.14
104.0	2.729	2.835	3.038	3.510	4.603	6.631	10.04	14.36	17.15	19.92
106.0	2.933	3.033	3.244	3.746	4.904	7.044	10.63	15.14	17.82	20.62
108.0	3.131	3.227	3.453	3.970	5.188	7.448	11.16	15.81	18.39	21.19
110.0	3.335	3.412	3.661	4.209	5.480	7.814	11.65	16.39	18.86	21.68

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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	3.527	3.602	3.866	4.469	5.777	8.180	12.08	16.88	19.26	22.08
114.0	3.748	3.795	4.061	4.753	6.107	8.567	12.52	17.32	19.65	22.42
116.0	3.968	3.989	4.251	5.013	6.455	8.962	12.93	17.72	20.06	22.74
118.0	4.181	4.172	4.426	5.235	6.762	9.302	13.28	18.00	20.47	22.98
120.0	4.383	4.345	4.587	5.431	7.006	9.562	13.50	18.10	20.81	23.11
122.0	4.567	4.526	4.748	5.590	7.197	9.716	13.57	18.01	21.08	23.14
124.0	4.748	4.704	4.906	5.739	7.327	9.801	13.51	17.79	21.25	23.08
126.0	4.924	4.885	5.076	5.893	7.446	9.855	13.41	17.49	21.36	22.99
128.0	5.085	5.067	5.263	6.053	7.576	9.891	13.26	17.12	21.43	22.89
130.0	5.241	5.238	5.456	6.235	7.709	9.928	13.11	16.71	21.47	22.78
132.0	5.393	5.411	5.650	6.467	7.856	9.981	12.95	16.30	21.48	22.72
134.0	5.535	5.577	5.861	6.715	8.064	10.03	12.81	15.93	21.46	22.66
136.0	5.687	5.751	6.082	6.975	8.328	10.15	12.69	15.56	21.37	22.55
138.0	5.863	5.948	6.331	7.234	8.588	10.34	12.60	15.21	21.20	22.37
140.0	6.060	6.175	6.598	7.494	8.839	10.56	12.62	14.94	20.97	22.12
142.0	6.313	6.440	6.900	7.772	9.075	10.74	12.65	14.75	20.74	21.86
144.0	6.617	6.759	7.223	8.080	9.307	10.88	12.65	14.57	20.51	21.56
146.0	6.979	7.134	7.584	8.409	9.559	11.02	12.66	14.42	20.27	21.25
148.0	7.400	7.550	7.986	8.770	9.828	11.19	12.70	14.31	20.06	21.00
150.0	7.849	8.010	8.424	9.159	10.14	11.38	12.76	14.24	19.89	20.77
152.0	8.358	8.506	8.901	9.577	10.49	11.64	12.89	14.26	19.74	20.58
154.0	8.891	9.034	9.409	10.01	10.87	11.96	13.14	14.42	19.68	20.49
156.0	9.453	9.589	9.918	10.47	11.25	12.27	13.40	14.61	19.61	20.40
158.0	10.05	10.17	10.46	10.94	11.62	12.56	13.64	14.80	19.53	20.27
160.0	10.69	10.80	11.04	11.42	11.99	12.84	13.87	14.98	19.43	20.11
162.0	11.39	11.45	11.63	11.92	12.40	13.16	14.11	15.17	19.32	19.92
164.0	12.11	12.13	12.22	12.46	12.87	13.53	14.40	15.37	19.24	19.77
166.0	12.84	12.82	12.83	13.02	13.38	13.95	14.74	15.62	19.17	19.63
168.0	13.56	13.51	13.46	13.61	13.92	14.43	15.12	15.92	19.12	19.51
170.0	14.27	14.19	14.13	14.23	14.51	14.94	15.53	16.24	19.13	19.43
172.0	14.97	14.90	14.83	14.91	15.13	15.47	15.98	16.60	19.17	19.38
174.0	15.71	15.66	15.60	15.65	15.80	16.07	16.47	17.02	19.25	19.31
176.0	16.50	16.48	16.42	16.44	16.54	16.74	17.02	17.45	19.30	19.28
178.0	17.36	17.41	17.34	17.33	17.34	17.44	17.60	17.87	19.31	19.20
180.0	18.21	18.29	18.23	18.19	18.11	18.10	18.11	18.22	19.30	19.09

G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	2083	2083	2083	2083	2083	2083	2083	2083	2083	2083
2.0	2046	2025	2006	1986	1968	1950	1940	1933	1935	1940
4.0	2003	1958	1915	1870	1830	1794	1772	1759	1764	1776
6.0	1957	1884	1813	1741	1677	1619	1587	1569	1578	1600
8.0	1908	1804	1703	1602	1515	1439	1399	1382	1392	1422
10.0	1858	1722	1588	1460	1357	1280	1243	1229	1240	1270
12.0	1810	1639	1473	1328	1224	1165	1120	1107	1120	1159
14.0	1762	1557	1364	1216	1117	1050	1019	1011	1020	1048
16.0	1714	1476	1267	1125	1024	978.4	964.3	962.6	968.7	985.6
18.0	1665	1393	1180	1035	961.7	934.6	921.7	920.8	926.4	943.0
20.0	1613	1315	1101	967.3	920.2	892.9	880.5	881.0	884.7	901.8
22.0	1560	1243	1029	923.5	882.4	853.4	840.8	843.4	846.1	863.0
24.0	1505	1175	969.5	887.7	845.8	816.9	805.9	808.9	810.9	827.1
26.0	1450	1109	921.5	853.8	810.8	785.6	776.9	779.6	782.5	797.1
28.0	1399	1051	883.5	820.6	780.0	759.6	751.1	752.9	756.8	771.7
30.0	1354	998.0	850.3	790.5	753.6	736.0	726.9	728.4	732.6	748.0
32.0	1317	953.8	822.2	763.5	731.0	713.7	704.7	704.8	710.6	726.3
34.0	1289	918.8	798.6	740.9	710.7	694.5	683.8	683.6	690.7	705.8
36.0	1269	895.8	779.0	722.7	692.0	677.3	664.2	663.7	671.6	688.8
38.0	1255	880.5	765.0	707.1	674.7	663.1	648.7	647.1	656.1	675.4
40.0	1250	869.2	754.0	692.0	659.1	650.4	635.7	634.7	643.1	663.1
42.0	1256	860.7	744.1	677.9	646.7	639.9	625.0	628.0	633.6	653.3
44.0	1273	856.8	733.7	665.9	639.8	629.5	620.8	628.0	630.2	643.0
46.0	1352	877.9	725.7	655.4	642.1	629.0	628.9	639.3	638.2	645.6
48.0	1411	955.3	728.2	648.2	657.9	641.9	643.1	656.0	652.4	660.0
50.0	1278	933.4	778.1	648.5	678.7	658.7	661.8	672.4	663.6	670.6
52.0	1213	821.3	777.2	669.0	697.4	671.4	654.4	659.2	653.1	680.1
54.0	1204	761.3	679.7	706.4	704.5	652.6	618.9	620.9	620.3	670.4
56.0	1213	729.2	624.7	656.7	692.5	639.7	587.6	587.1	590.9	661.4
58.0	1232	708.2	592.6	593.2	686.0	627.7	558.0	552.9	569.0	665.3
60.0	1252	694.1	560.5	544.8	637.6	582.8	508.9	508.5	522.0	634.8
62.0	1282	688.7	530.2	506.1	568.1	512.8	456.5	459.2	470.3	579.6
64.0	1314	690.8	506.0	468.8	501.7	450.1	412.1	413.6	422.8	498.7
66.0	1325	693.6	483.1	432.0	446.3	405.8	371.0	370.8	379.8	428.5
68.0	1332	681.1	457.5	389.9	396.4	362.8	333.0	331.9	338.3	380.9
70.0	1326	675.6	426.4	342.7	345.6	319.5	298.7	297.5	301.1	335.8
72.0	1308	669.7	393.6	295.4	297.3	283.0	264.0	258.1	267.2	295.2
74.0	1191	636.5	360.1	249.3	252.2	236.5	196.6	186.9	207.3	253.2

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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	888.7	495.1	330.3	204.8	206.1	174.0	136.8	129.9	144.9	194.3
78.0	534.8	312.2	276.9	163.4	158.3	125.2	96.56	91.85	101.5	137.8
80.0	326.3	182.4	182.4	116.0	99.57	76.45	61.50	58.51	65.64	88.81
82.0	118.5	112.7	93.67	68.56	53.14	43.93	34.61	32.36	36.96	49.34
84.0	44.97	43.42	41.29	31.34	24.89	19.50	15.74	12.82	16.81	21.76
86.0	18.49	17.69	16.09	10.22	8.549	6.367	4.420	3.908	5.557	6.947
88.0	11.86	10.17	7.516	4.970	3.194	2.384	1.463	1.513	1.818	2.607
90.0	11.53	10.05	7.268	4.517	2.558	1.764	1.454	1.421	1.593	2.093
92.0	12.92	11.44	8.515	5.508	3.231	2.239	1.894	1.824	2.017	2.592
94.0	14.49	13.03	9.941	6.647	4.047	2.843	2.465	2.327	2.593	3.277
96.0	16.08	14.61	11.38	7.836	4.958	3.542	2.983	2.918	3.196	4.057
98.0	17.54	16.05	12.73	9.063	5.936	4.325	3.654	3.587	3.894	4.926
100.0	18.73	17.20	13.93	10.26	6.983	5.159	4.408	4.327	4.678	5.853
102.0	19.65	18.11	15.00	11.41	8.065	6.056	5.223	5.153	5.526	6.847
104.0	20.41	18.88	15.92	12.45	9.158	7.004	6.090	6.018	6.428	7.866
106.0	21.10	19.55	16.69	13.39	10.21	7.962	6.997	6.928	7.363	8.899
108.0	21.70	20.16	17.37	14.24	11.20	8.923	7.921	7.859	8.312	9.904
110.0	22.24	20.72	18.05	15.05	12.11	9.846	8.857	8.783	9.253	10.88
112.0	22.69	21.27	18.75	15.84	12.94	10.75	9.774	9.697	10.18	11.81
114.0	23.07	21.85	19.47	16.61	13.72	11.62	10.70	10.62	11.11	12.71
116.0	23.39	22.36	20.16	17.28	14.49	12.49	11.60	11.53	12.04	13.60
118.0	23.59	22.71	20.72	17.92	15.27	13.38	12.52	12.45	12.99	14.49
120.0	23.62	22.83	21.05	18.51	16.04	14.28	13.45	13.40	13.96	15.43
122.0	23.54	22.79	21.18	19.00	16.82	15.20	14.39	14.35	14.96	16.39
124.0	23.37	22.58	21.16	19.37	17.54	16.12	15.34	15.34	15.97	17.37
126.0	23.13	22.22	21.02	19.63	18.17	16.99	16.27	16.30	16.96	18.32
128.0	22.80	21.79	20.82	19.81	18.68	17.76	17.15	17.22	17.90	19.24
130.0	22.47	21.40	20.58	19.91	19.09	18.43	17.93	18.05	18.74	20.05
132.0	22.27	21.10	20.35	19.97	19.40	18.97	18.61	18.77	19.49	20.77
134.0	22.13	20.86	20.19	19.98	19.64	19.40	19.18	19.41	20.13	21.40
136.0	22.00	20.75	20.16	19.99	19.85	19.77	19.68	19.95	20.70	21.93
138.0	21.91	20.75	20.18	20.00	20.01	20.07	20.10	20.43	21.18	22.36
140.0	21.79	20.78	20.21	20.05	20.17	20.32	20.46	20.84	21.58	22.73
142.0	21.63	20.74	20.21	20.12	20.27	20.55	20.76	21.19	21.90	23.03
144.0	21.40	20.67	20.22	20.22	20.36	20.75	21.04	21.49	22.16	23.26
146.0	21.12	20.54	20.22	20.29	20.41	20.90	21.26	21.72	22.35	23.42
148.0	20.92	20.46	20.27	20.38	20.47	21.04	21.43	21.89	22.50	23.50
150.0	20.75	20.43	20.33	20.41	20.50	21.14	21.56	22.02	22.59	23.50
152.0	20.65	20.45	20.39	20.42	20.50	21.17	21.63	22.11	22.63	23.44
154.0	20.63	20.48	20.41	20.41	20.45	21.14	21.62	22.12	22.60	23.32
156.0	20.60	20.49	20.38	20.38	20.37	21.05	21.52	22.02	22.47	23.13
158.0	20.54	20.47	20.38	20.38	20.32	20.94	21.38	21.87	22.26	22.87
160.0	20.39	20.40	20.35	20.38	20.26	20.84	21.22	21.65	21.99	22.54
162.0	20.21	20.26	20.26	20.31	20.19	20.70	21.00	21.37	21.67	22.17
164.0	20.06	20.17	20.23	20.32	20.15	20.62	20.87	21.18	21.41	21.83
166.0	19.91	20.08	20.17	20.24	20.11	20.58	20.76	21.04	21.23	21.55
168.0	19.75	19.91	19.97	20.06	19.95	20.43	20.59	20.85	20.97	21.22
170.0	19.60	19.72	19.77	19.88	19.74	20.22	20.35	20.56	20.64	20.85
172.0	19.45	19.54	19.60	19.69	19.49	19.96	20.06	20.24	20.29	20.45
174.0	19.35	19.40	19.43	19.47	19.21	19.65	19.74	19.88	19.90	20.04
176.0	19.25	19.22	19.20	19.18	18.86	19.27	19.32	19.44	19.44	19.55
178.0	19.10	18.98	18.89	18.82	18.45	18.81	18.80	18.91	18.92	19.01
180.0	18.87	18.68	18.49	18.36	17.90	18.24	18.15	18.21	18.21	18.28

G/C	300.0	310.0	320.0	330.0	340.0	350.0
0.0	2083	2083	2083	2083	2083	2083
2.0	1952	1967	1988	2011	2036	2062
4.0	1803	1838	1882	1931	1986	2040
6.0	1643	1698	1771	1851	1935	2019
8.0	1479	1555	1656	1766	1883	1997
10.0	1329	1416	1538	1680	1832	1978
12.0	1210	1295	1425	1596	1783	1962
14.0	1108	1201	1325	1513	1735	1949
16.0	1023	1108	1241	1435	1689	1938
18.0	973.0	1032	1165	1363	1644	1928
20.0	933.7	977.3	1093	1296	1599	1917
22.0	895.9	939.0	1028	1231	1552	1906
24.0	860.4	905.9	974.6	1168	1503	1895
26.0	827.0	873.2	932.0	1111	1453	1887
28.0	796.8	839.6	898.7	1056	1407	1887
30.0	769.4	809.0	867.6	1006	1367	1893
32.0	746.1	781.9	839.8	962.8	1334	1905
34.0	725.0	758.7	815.6	926.9	1309	1925
36.0	705.0	739.1	795.3	901.4	1293	1949
38.0	687.0	723.1	779.5	884.0	1286	1980

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-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	671.2	706.2	766.5	873.2	1288	2026
42.0	658.8	689.5	753.9	868.2	1304	2094
44.0	652.4	672.9	744.8	874.7	1345	2209
46.0	653.0	661.7	742.6	906.4	1445	2436
48.0	662.7	656.9	759.5	1011	1573	2565
50.0	679.5	665.0	837.9	1015	1470	2393
52.0	688.7	709.8	840.3	896.8	1383	2310
54.0	692.6	748.4	733.1	826.2	1365	2304
56.0	696.8	681.8	667.3	791.3	1375	2329
58.0	692.6	613.4	627.9	768.5	1395	2373
60.0	626.9	565.5	594.1	754.3	1421	2409
62.0	572.1	525.7	562.8	746.9	1449	2465
64.0	517.2	488.5	534.4	755.4	1496	2548
66.0	461.0	450.1	511.5	766.6	1527	2551
68.0	406.2	407.4	490.3	768.0	1539	2537
70.0	352.6	356.5	464.3	776.3	1560	2509
72.0	300.6	302.9	434.3	779.9	1562	2417
74.0	253.4	255.6	405.3	744.5	1467	2160
76.0	206.2	211.6	368.9	592.9	1161	1672
78.0	159.4	173.4	297.2	370.4	752.5	1196
80.0	99.44	125.3	180.6	201.4	431.9	694.0
82.0	53.98	77.20	94.36	121.6	204.6	343.6
84.0	25.33	33.79	45.23	41.94	84.08	144.8
86.0	8.448	10.68	18.29	18.95	26.56	43.09
88.0	3.697	5.664	8.397	11.13	13.29	14.69
90.0	3.205	5.418	8.208	10.85	12.22	11.83
92.0	3.963	6.483	9.520	12.27	13.47	12.83
94.0	4.885	7.673	10.94	13.85	15.09	14.37
96.0	5.895	8.954	12.43	15.44	16.69	15.88
98.0	6.985	10.24	13.86	16.96	18.27	17.42
100.0	8.125	11.50	15.11	18.23	19.63	18.81
102.0	9.295	12.69	16.23	19.25	20.72	19.97
104.0	10.43	13.78	17.19	20.12	21.64	20.91
106.0	11.55	14.77	18.05	20.92	22.43	21.71
108.0	12.61	15.72	18.83	21.65	23.15	22.38
110.0	13.60	16.64	19.62	22.32	23.78	22.94
112.0	14.54	17.60	20.48	23.02	24.31	23.37
114.0	15.46	18.54	21.40	23.75	24.81	23.74
116.0	16.34	19.52	22.33	24.51	25.31	24.04
118.0	17.23	20.48	23.26	25.21	25.69	24.22
120.0	18.14	21.41	24.11	25.79	25.90	24.24
122.0	19.05	22.24	24.87	26.24	25.97	24.11
124.0	19.95	23.03	25.49	26.52	25.90	23.82
126.0	20.79	23.71	25.97	26.67	25.68	23.41
128.0	21.56	24.28	26.36	26.71	25.37	22.91
130.0	22.19	24.79	26.65	26.71	25.04	22.41
132.0	22.71	25.24	26.79	26.68	24.76	21.98
134.0	23.15	25.58	26.82	26.52	24.49	21.65
136.0	23.54	25.78	26.78	26.26	24.15	21.29
138.0	23.89	25.86	26.68	25.92	23.73	20.89
140.0	24.17	25.83	26.48	25.57	23.32	20.48
142.0	24.38	25.75	26.21	25.21	22.97	20.12
144.0	24.52	25.65	25.90	24.86	22.66	19.81
146.0	24.58	25.51	25.54	24.46	22.31	19.50
148.0	24.53	25.33	25.21	24.08	22.03	19.28
150.0	24.41	25.11	24.89	23.72	21.78	19.12
152.0	24.19	24.80	24.52	23.35	21.54	19.03
154.0	23.93	24.40	24.13	22.98	21.35	19.03
156.0	23.63	23.94	23.66	22.61	21.14	19.07
158.0	23.29	23.47	23.17	22.26	20.96	19.14
160.0	22.89	22.99	22.66	21.89	20.74	19.16
162.0	22.45	22.50	22.16	21.51	20.48	19.10
164.0	22.09	22.12	21.80	21.22	20.31	19.08
166.0	21.72	21.74	21.46	20.90	20.11	19.05
168.0	21.34	21.30	21.01	20.50	19.84	18.94
170.0	20.92	20.85	20.54	20.08	19.55	18.83
172.0	20.49	20.40	20.09	19.71	19.29	18.75
174.0	20.04	19.93	19.66	19.36	19.03	18.69
176.0	19.53	19.44	19.21	19.00	18.77	18.61
178.0	18.97	18.88	18.72	18.60	18.48	18.48
180.0	18.24	18.19	18.11	18.10	18.11	18.21

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:54.2-MIN:44.1%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 26-0328-1-A KAYRA II 36 LED RA10MI
DRIVER XITANIUM 100W 1.1A 0-10V
MOD FF BOARD 2X6/740 5050 DA_UHE (4K)
Lentes: RA10MIII