ANEXO 25-0646-1-A VIALIT II 48 LED 60W

Driver MOSO X6-036M052L

SPD ZYS-P10WD



Light Output Ratio:	100.0%		
Luminaire Power:	60.24 W		
I80 =	55.2 cd per klm.	I88 =	1.3 cd per klm.
I90 =	0.9 cd per klm.	I80/I88 =	42.926

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

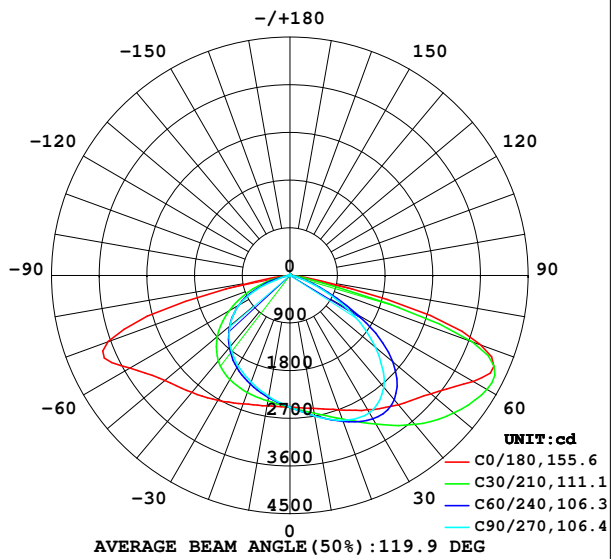
γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L

STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

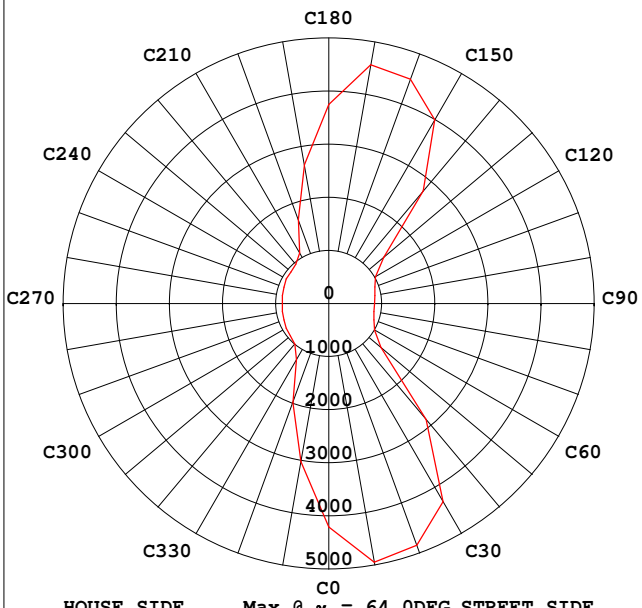
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 179.60 lm/W	
MODEL	VIALIT	Imax(cd)	4948	η street_up(%)	0.4
NOMINAL POWER(W)	60	LOR(%)	100.0	η street_down(%)	60.2
RATED VOLTAGE(V)	---	TOTAL FLUX(lm)	10819	η house_up(%)	0.5
NOMINAL FLUX(lm)	10819.2	MAXIMUM @(C,γ)	10,64.0	η house_down(%)	38.9
LAMPS INSIDE	1	η up(%)	0.8	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	99.2	SLI	

INTENSITY DISTRIBUTION DIAGRAM IN C PLANS



AVERAGE BEAM ANGLE(50%):119.9 DEG

MAX INTENSITY CONE SURFACE DISTRIBUTION DIAGRAM



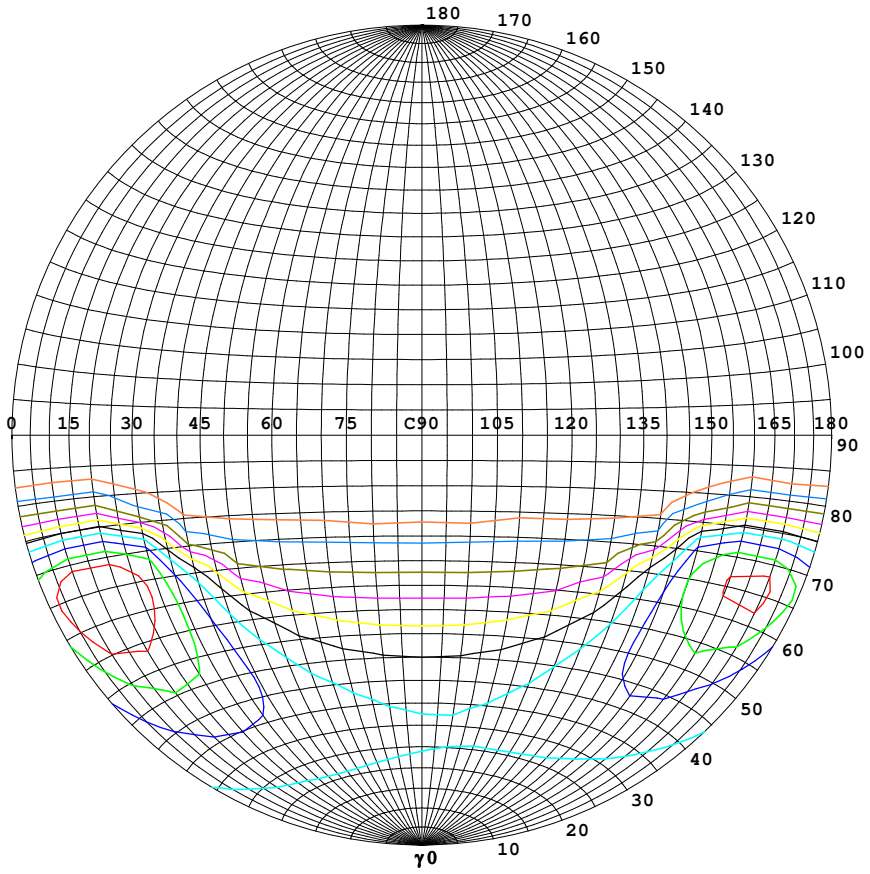
HOUSE SIDE Max @ γ = 64.0DEG STREET SIDE

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



Classification:

IES:Type II - Short
CIE:Narrow - Intermediate
IES:Cut-off
CIE:Semi-cut-off
Max.At80:64.09cd/klm
Max.At90:0.8716cd/klm
Max.80-90:64.09cd/klm
NRB 5101:Semi limited[20.4%]

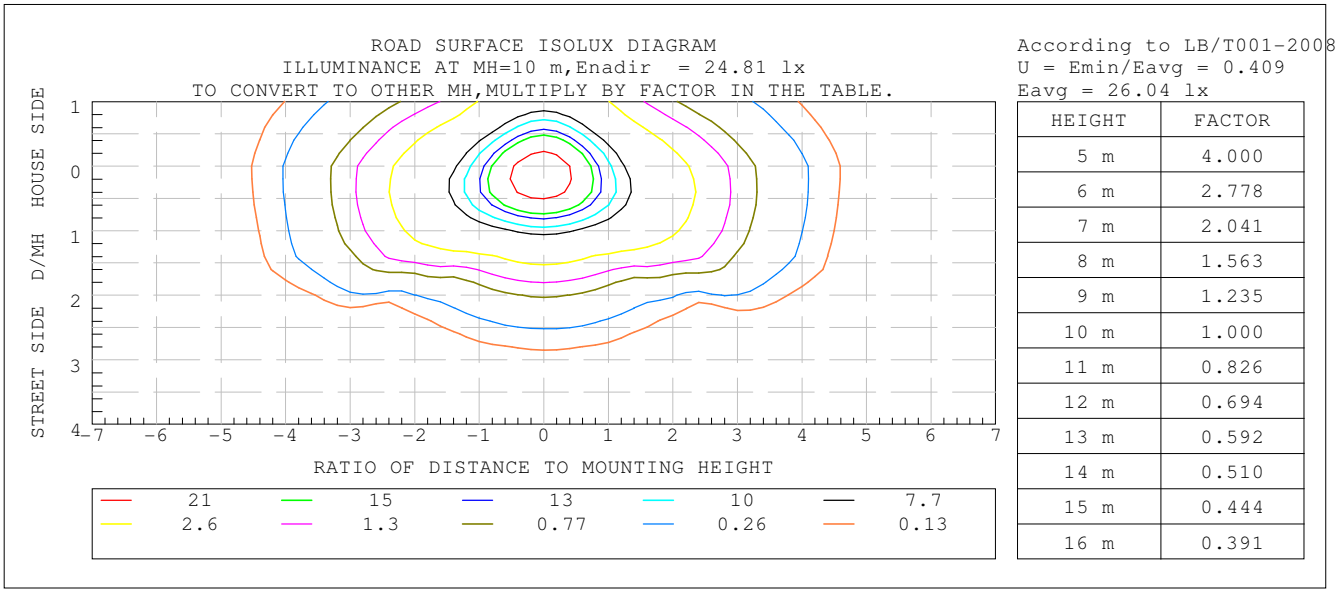
ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	4948
90%	4454
80%	3959
70%	3464
60%	2969
50%	2474
40%	1979
30%	1485
20%	990
10%	495
5%	247

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM





According to LB/T001-2008:
U = Emin/Eavg = 0.409
Eavg = 26.04 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:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L

ZONAL FLUX DIAGRAM

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

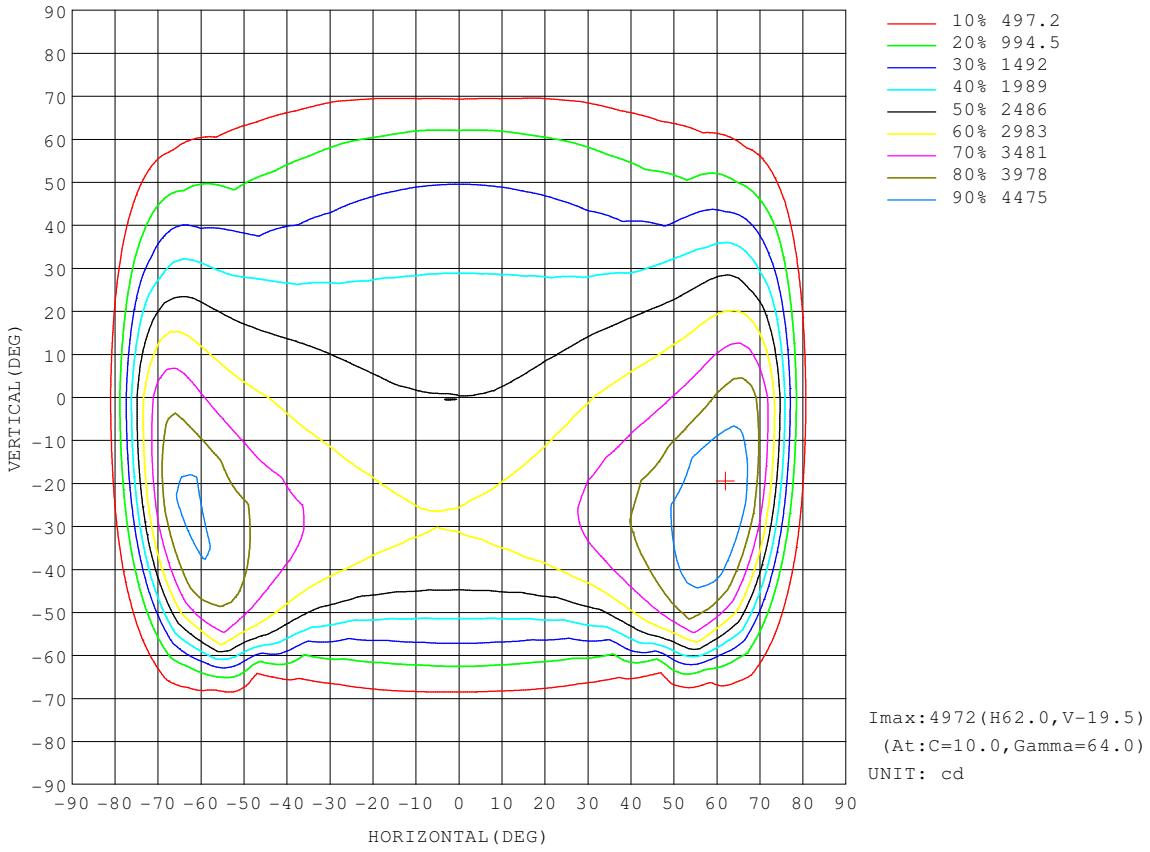
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	2548	2666	2694	2629	2502	2368	2320	2395	0- 10	238.9	238.9	2.21,2.21
20	2701	2922	2912	2821	2581	2253	2145	2295	10- 20	722.2	961.2	8.88,8.88
30	2926	3218	2997	3076	2723	2102	1971	2151	20- 30	1211	2172	20.1,20.1
40	3186	3415	2761	3256	2885	1870	1753	1916	30- 40	1664	3836	35.5,35.5
50	3477	3305	2106	3166	3087	1544	1478	1584	40- 50	1988	5824	53.8,53.8
60	4002	2651	1238	2582	3501	1140	1114	1168	50- 60	2106	7930	73.3,73.3
70	3827	793.1	392.5	881.9	3654	621.5	433.9	630.5	60- 70	1877	9807	90.6,90.6
80	596.8	110.2	77.70	109.6	665.0	88.05	26.68	88.24	70- 80	853.6	10660	98.5,98.5
90	9.202	3.112	1.840	2.881	8.385	4.278	1.473	4.069	80- 90	67.73	10728	99.2,99.2
100	14.59	5.128	3.944	5.179	15.36	10.21	4.086	9.293	90-100	6.918	10735	99.2,99.2
110	18.39	8.091	6.560	8.297	19.81	14.74	8.125	13.61	100-110	11.00	10746	99.3,99.3
120	20.54	11.07	9.543	11.40	21.93	18.28	12.79	17.77	110-120	13.69	10760	99.5,99.5
130	21.57	13.70	12.26	13.80	23.18	19.89	17.18	21.53	120-130	14.92	10775	99.6,99.6
140	21.15	15.72	14.44	15.36	24.06	20.44	20.14	23.59	130-140	14.29	10789	99.7,99.7
150	20.45	17.56	16.35	16.74	23.31	21.75	21.56	23.82	140-150	12.32	10801	99.8,99.8
160	21.06	19.41	18.46	18.38	23.09	22.68	22.59	23.40	150-160	9.492	10811	99.9,99.9
170	22.81	21.50	20.62	20.81	23.92	23.44	23.37	23.41	160-170	6.137	10817	100,100
180	24.51	23.36	22.97	23.19	24.52	23.35	22.98	23.19	170-180	2.178	10819	100,100
DEG	LUMINOUS INTENSITY:cd Less than 35% Percent = 9.8 %									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

ISOCANDELA DIAGRAM

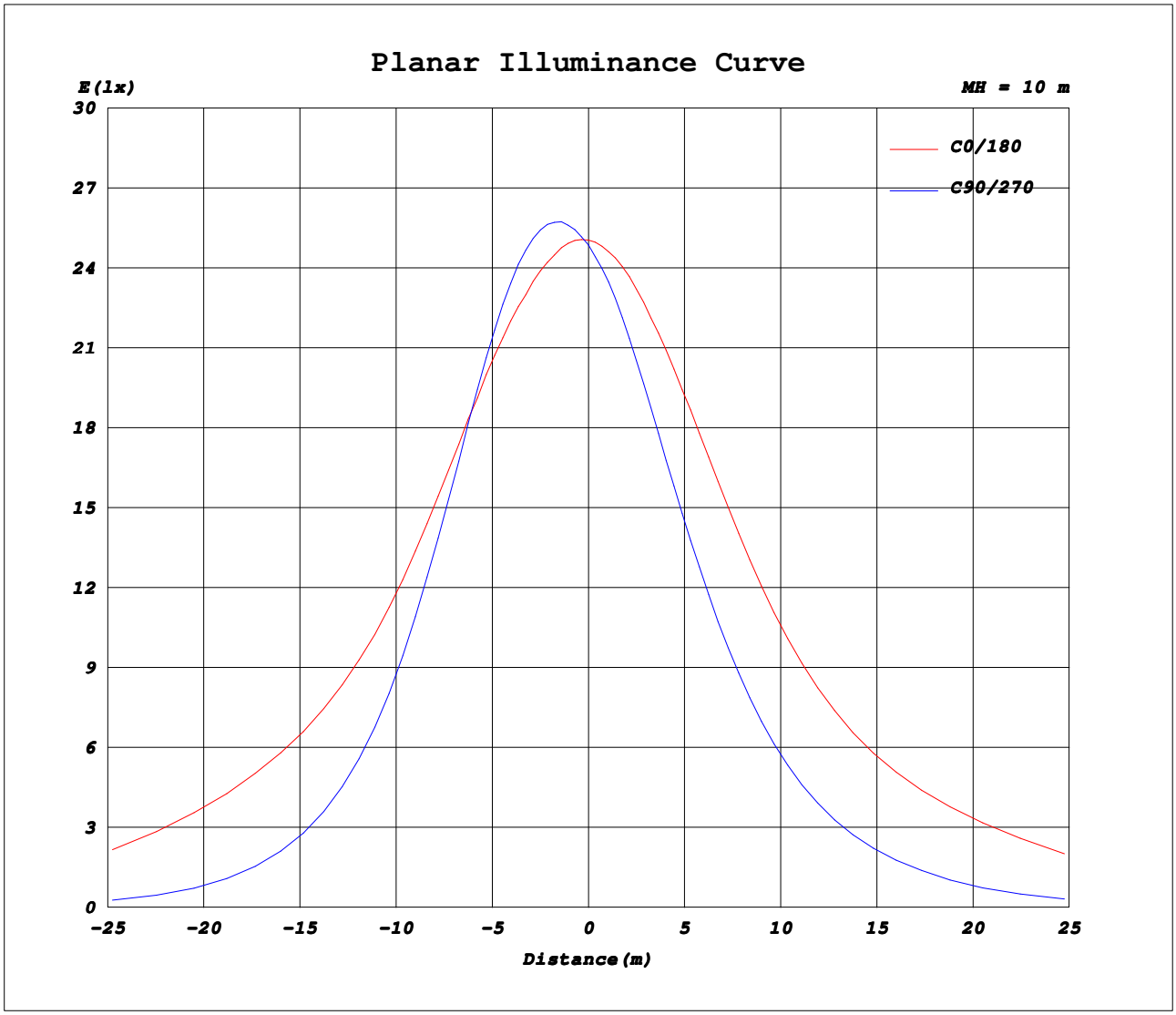
Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

Driver MOSO X6-036M052L
SPD ZYS-P10WD

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: Kevin Delgado.** **Revisó: Milton Chavarro.**
Testing Procedure:	**Las prueba fue realizada de acuerdo con la norma LM 79 de 2019.** **Tiempo de estabilizacion: 0:21':40"** **Tiempo de ensayo: 0:31':00"** "

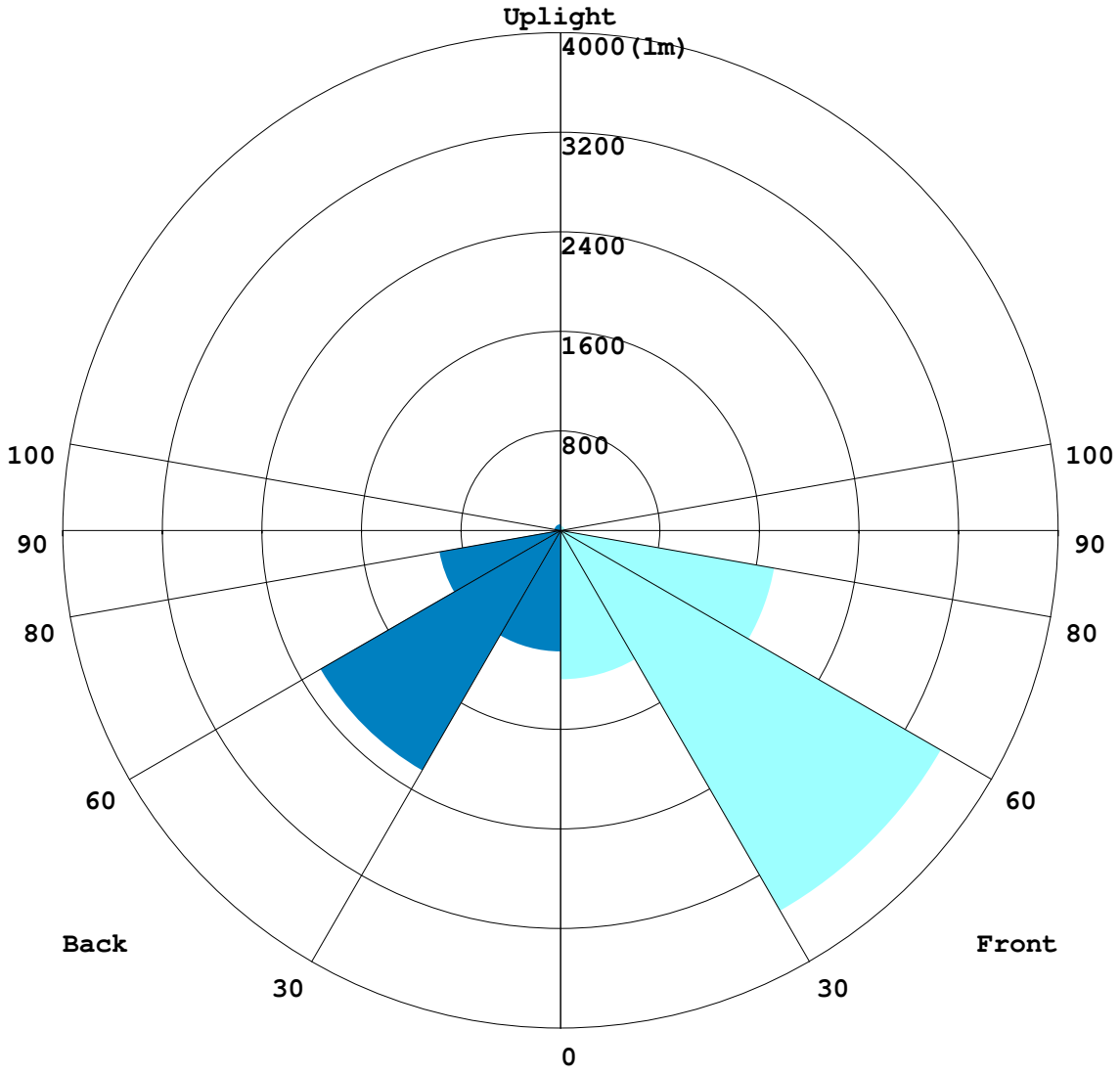
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L

LCS REPORT

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

BUG REPORT

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1197.7	11.1
FM - Front-Medium(30-60)	3532.3	32.6
FH - Front-High(60-80)	1745	16.1
FVH - Front-Very High(80-90)	41.739	0.4
Total Forward Light	6555.6	60.6
BL - Back-Low(0-30)	974.3	9.0
BM - Back-Medium(30-60)	2225.6	20.6
BH - Back-High(60-80)	985.64	9.1
BVH - Back-Very High(80-90)	25.989	0.2
Total Back Light	4263.6	39.4
UL - Uplight-Low(90-100)	6.9182	0.1
UH - Uplight-High(100-180)	84.024	0.8
Total Up Light	90.943	0.8

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

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4211.5	52.042	4263.6
Street Side	6516.7	38.901	6555.6

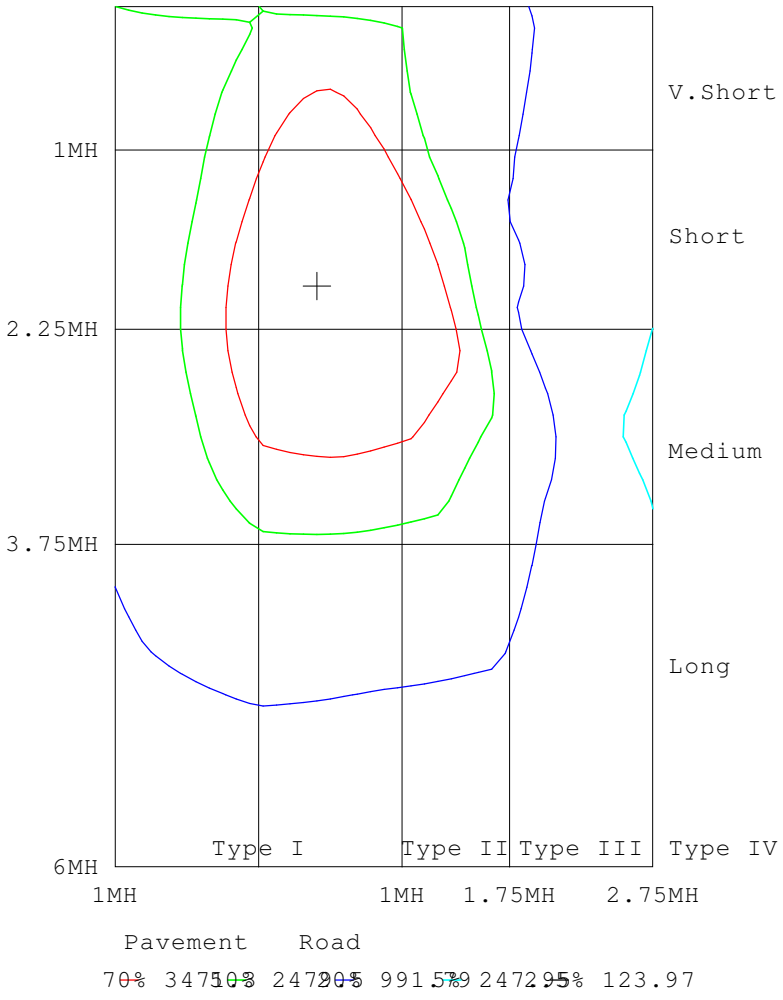
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

ROAD ISOCANDELA REPORT

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
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	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489
5	2506	2516	2529	2543	2547	2560	2565	2563	2567	2565	2566	2558	2552	2550	2534	2526	2509	2499	2484
10	2548	2584	2614	2640	2655	2677	2695	2698	2699	2694	2685	2678	2656	2640	2618	2594	2562	2532	2502
15	2599	2650	2688	2726	2748	2771	2785	2787	2789	2786	2777	2760	2732	2714	2684	2651	2610	2569	2524
20	2701	2777	2843	2884	2910	2933	2932	2928	2922	2912	2903	2882	2859	2835	2808	2769	2711	2648	2581
25	2787	2885	2963	3015	3039	3045	3028	3002	2987	2972	2961	2953	2942	2937	2904	2862	2798	2718	2634
30	2926	3075	3179	3241	3240	3196	3128	3061	3017	2997	2994	3014	3040	3076	3076	3034	2951	2847	2723
35	3031	3210	3345	3414	3374	3271	3149	3041	2975	2943	2957	3000	3065	3144	3190	3169	3074	2942	2790
40	3186	3431	3632	3672	3527	3303	3066	2896	2791	2761	2775	2863	2997	3180	3333	3388	3285	3088	2885
45	3284	3606	3850	3837	3588	3250	2919	2701	2578	2540	2571	2689	2869	3139	3381	3530	3470	3216	2956
50	3477	3981	4213	4039	3588	3020	2535	2269	2138	2106	2140	2273	2518	2942	3389	3716	3797	3499	3087
55	3653	4324	4463	4163	3521	2729	2171	1909	1798	1779	1806	1922	2173	2688	3326	3824	4031	3779	3213
60	4002	4823	4777	4298	3266	2033	1454	1290	1233	1238	1243	1309	1472	2059	3103	3957	4355	4314	3501
65	4208	4948	4844	4307	2854	1289	1001	908	868	864	881	923	1020	1359	2773	3995	4494	4567	3748
70	3827	4217	4186	3658	1054	531	456	426	398	393	407	439	468	548	1216	3624	4159	4181	3654
75	2760	2919	2943	1957	332	261	237	217	191	185	193	241	241	267	346	2203	3026	3035	2803
80	597	555	606	292	121	99.6	97.1	83.2	77.6	77.7	77.7	84.4	97.8	98.5	121	319	693	649	665
85	114	114	161	90.9	47.9	40.0	35.6	32.2	26.6	5.23	27.6	32.3	35.8	38.7	47.3	101	177	120	122
90	9.20	7.59	5.79	4.31	3.28	2.94	2.74	2.76	2.53	1.84	2.57	2.71	2.63	2.77	2.99	3.91	5.33	7.14	8.38
95	11.4	9.39	7.12	5.18	3.89	3.20	2.93	2.78	2.70	2.60	2.70	2.77	2.91	3.19	3.86	5.12	7.05	9.34	11.2
100	14.6	12.2	9.55	7.21	5.59	4.66	4.28	4.06	3.99	3.94	3.99	4.05	4.27	4.69	5.67	7.41	9.96	12.8	15.4
105	16.3	13.9	11.1	8.57	6.81	5.77	5.32	5.07	4.99	4.94	4.97	5.07	5.31	5.82	6.99	8.98	11.8	14.9	17.6
110	18.4	16.0	13.1	10.5	8.66	7.52	6.92	6.64	6.58	6.56	6.60	6.65	6.95	7.63	8.97	11.2	14.3	17.6	19.8
115	19.3	17.0	14.2	11.8	9.89	8.69	8.04	7.76	7.74	7.74	7.74	7.78	8.08	8.85	10.3	12.6	15.6	18.8	20.7
120	20.5	18.4	16.0	13.6	11.7	10.4	9.80	9.54	9.54	9.54	9.52	9.50	9.83	10.6	12.2	14.4	17.2	20.1	21.9
125	21.2	19.3	17.0	14.7	12.8	11.6	11.0	10.7	10.7	10.7	10.6	10.6	10.9	11.8	13.2	15.3	17.7	20.3	22.6
130	21.6	20.2	18.1	15.9	14.2	13.2	12.6	12.3	12.3	12.3	12.1	12.1	12.4	13.2	14.4	16.0	17.8	19.9	23.2
135	21.5	20.2	18.4	16.6	15.1	14.0	13.5	13.3	13.2	13.2	13.0	13.0	13.3	14.0	15.0	16.3	17.7	19.4	23.6
140	21.1	20.1	18.8	17.3	16.1	15.3	14.8	14.5	14.5	14.4	14.2	14.2	14.5	15.0	15.7	16.7	17.8	19.2	24.1
145	20.8	20.0	18.9	17.8	16.8	16.1	15.7	15.4	15.3	15.2	15.0	15.0	15.2	15.7	16.2	17.0	17.9	19.2	23.9
150	20.5	20.0	19.2	18.6	17.9	17.2	16.8	16.5	16.4	16.3	16.2	16.1	16.2	16.5	16.9	17.5	18.3	19.3	23.3
155	20.5	20.2	19.8	19.2	18.5	18.0	17.6	17.3	17.2	17.1	17.0	16.9	16.9	17.1	17.5	18.1	18.8	19.6	23.1
160	21.1	21.0	20.7	20.2	19.6	19.2	18.8	18.7	18.6	18.5	18.3	18.2	18.1	18.2	18.5	19.0	19.6	20.2	23.1
165	21.7	21.7	21.4	21.0	20.4	20.1	19.7	19.6	19.5	19.3	19.2	19.1	19.1	19.2	19.4	19.8	20.3	20.8	23.3
170	22.8	22.9	22.6	22.1	21.7	21.4	21.0	21.0	20.8	20.6	20.6	20.6	20.6	20.7	20.9	21.1	21.4	21.8	23.9
175	23.7	23.7	23.2	22.8	22.4	22.2	21.8	21.8	21.7	21.6	21.6	21.6	21.7	21.8	21.9	22.1	22.2	22.6	24.4
180	24.5	24.2	23.9	23.7	23.4	23.3	23.0	23.1	23.0	23.0	23.0	23.1	23.1	23.2	23.2	23.2	23.3	23.5	24.5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.12V I:0.2864A P:60.242W PF:0.9555 Freq:60.01Hz Lamp Flux:10819.2x1 lm		
NAME: ANEXO 25-0646-1-A VIALIT I 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 60W	DIM.: ----	SERIAL No.:25-0646-1
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	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489		
5	2476	2458	2451	2435	2430	2431	2420	2418	2418	2425	2428	2430	2443	2450	2468	2475	2489		
10	2469	2433	2407	2375	2362	2343	2327	2321	2320	2328	2339	2357	2383	2408	2444	2472	2512		
15	2474	2427	2385	2342	2309	2281	2258	2251	2250	2257	2273	2297	2337	2377	2433	2484	2541		
20	2509	2424	2353	2278	2228	2189	2162	2148	2145	2155	2175	2208	2262	2328	2417	2507	2607		
25	2534	2426	2325	2226	2167	2120	2092	2078	2076	2085	2106	2140	2201	2290	2402	2524	2664		
30	2578	2418	2272	2143	2061	2009	1981	1971	1971	1974	1995	2029	2097	2204	2363	2551	2754		
35	2605	2409	2220	2064	1977	1932	1901	1889	1886	1892	1910	1944	2010	2130	2327	2563	2817		
40	2644	2359	2106	1917	1822	1781	1762	1755	1753	1754	1767	1794	1852	1979	2219	2546	2894		
45	2654	2307	1998	1795	1704	1671	1655	1652	1653	1653	1660	1683	1734	1854	2122	2521	2937		
50	2667	2198	1793	1580	1507	1489	1477	1476	1478	1480	1486	1501	1532	1636	1915	2438	2995		
55	2676	2092	1626	1425	1363	1352	1343	1344	1346	1349	1354	1361	1388	1471	1748	2353	3030		
60	2692	1880	1322	1163	1117	1113	1103	1117	1114	1120	1122	1120	1135	1201	1445	2175	3091		
65	2659	1686	1102	970	933	929	903	891	877	889	902	932	947	1000	1218	1988	3023		
70	2258	1268	748	657	586	571	540	468	434	470	542	569	589	672	839	1491	2458		
75	1601	875	506	411	378	362	258	189	172	192	267	363	380	419	559	993	1741		
80	490	304	152	98.0	78.1	73.0	39.9	30.7	26.7	30.1	38.4	71.0	76.0	101	165	299	513		
85	110	51.7	35.6	28.1	20.8	12.2	5.34	1.89	0.72	1.50	4.58	11.8	20.7	28.9	37.5	57.6	116		
90	9.43	9.07	7.50	5.29	3.27	1.89	1.57	1.48	1.47	1.50	1.60	1.92	3.15	4.98	7.15	8.74	9.26		
95	12.6	12.2	10.4	7.74	5.22	3.22	2.49	2.32	2.31	2.34	2.53	3.21	4.91	7.15	9.75	11.6	12.1		
100	17.0	16.8	14.9	11.7	8.71	5.98	4.56	4.13	4.09	4.16	4.58	5.79	7.98	10.6	13.5	15.5	16.2		
105	19.2	18.9	17.0	13.8	10.9	8.15	6.32	5.67	5.58	5.67	6.28	7.78	9.94	12.5	15.3	17.3	18.1		
110	21.3	20.9	18.9	16.1	13.4	11.2	9.20	8.31	8.13	8.26	9.03	10.6	12.5	14.7	17.2	19.2	20.1		
115	22.1	21.7	19.9	17.3	15.0	12.9	11.1	10.2	9.95	10.1	10.8	12.3	14.2	16.2	18.5	20.2	20.9		
120	23.0	22.5	21.2	19.3	17.3	15.4	13.9	13.1	12.8	13.0	13.5	14.8	16.8	18.8	20.7	21.8	21.8		
125	23.3	22.7	21.5	20.0	18.6	17.0	15.7	15.0	14.7	14.8	15.3	16.5	18.5	20.5	22.0	22.5	21.9		
130	23.5	22.5	21.2	20.2	19.6	18.7	18.1	17.5	17.2	17.3	17.8	18.8	20.7	22.4	23.3	23.0	21.7		
135	23.8	22.5	21.1	20.2	19.8	19.5	19.1	18.8	18.6	18.7	19.2	20.1	21.8	23.4	23.9	23.4	21.8		
140	24.3	23.2	21.7	20.6	20.3	20.2	20.2	20.2	20.1	20.3	20.8	21.7	23.1	24.1	24.4	23.8	22.0		
145	24.2	23.4	22.0	21.1	20.8	20.6	20.6	20.8	20.9	21.0	21.5	22.4	23.5	24.1	24.3	23.6	22.0		
150	23.6	23.3	22.6	21.9	21.6	21.2	21.3	21.5	21.6	21.7	22.2	22.8	23.6	24.0	24.0	23.2	21.9		
155	23.3	23.2	22.8	22.3	22.0	21.7	21.8	21.9	22.0	22.1	22.5	23.0	23.5	23.8	23.7	23.1	22.1		
160	23.1	23.1	23.0	22.7	22.7	22.4	22.5	22.6	22.6	22.7	22.9	23.1	23.4	23.4	23.4	23.0	22.4		
165	23.2	23.2	23.2	23.0	23.0	22.8	23.0	23.0	23.0	23.0	23.2	23.3	23.4	23.3	23.2	23.0	22.6		
170	23.7	23.6	23.6	23.4	23.4	23.2	23.4	23.4	23.4	23.4	23.5	23.4	23.5	23.4	23.3	23.2	23.1		
175	24.1	23.9	23.8	23.6	23.6	23.4	23.5	23.5	23.5	23.5	23.5	23.5	23.5	23.4	23.4	23.3	23.4		
180	24.2	23.9	23.7	23.4	23.3	23.0	23.1	23.0	23.0	23.0	23.1	23.1	23.2	23.2	23.2	23.3	23.5		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

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	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489
2.0	2496	2503	2508	2515	2515	2525	2520	2529	2528	2524
4.0	2506	2516	2529	2543	2547	2560	2565	2563	2567	2565
6.0	2518	2540	2554	2572	2582	2594	2604	2604	2610	2605
8.0	2534	2563	2583	2605	2617	2639	2648	2647	2656	2653
10.0	2548	2584	2614	2640	2655	2677	2695	2698	2699	2694
12.0	2571	2614	2650	2681	2696	2722	2735	2741	2745	2742
14.0	2599	2650	2688	2726	2748	2771	2785	2787	2789	2786
16.0	2629	2687	2730	2776	2797	2819	2834	2836	2837	2829
18.0	2657	2732	2782	2828	2852	2874	2882	2881	2877	2871
20.0	2701	2777	2843	2884	2910	2933	2932	2928	2922	2912
22.0	2745	2831	2898	2949	2972	2986	2982	2966	2955	2941
24.0	2787	2885	2963	3015	3039	3045	3028	3002	2987	2972
26.0	2835	2943	3031	3085	3110	3101	3068	3028	3007	2988
28.0	2887	3008	3102	3166	3172	3147	3100	3048	3015	3000
30.0	2926	3075	3179	3241	3240	3196	3128	3061	3017	2997
32.0	2986	3144	3261	3325	3308	3238	3143	3063	3005	2980
34.0	3031	3210	3345	3414	3374	3271	3149	3041	2975	2943
36.0	3082	3280	3438	3503	3432	3296	3136	3010	2932	2897
38.0	3134	3353	3528	3586	3480	3306	3110	2960	2865	2835
40.0	3186	3431	3632	3672	3527	3303	3066	2896	2791	2761
42.0	3239	3518	3739	3758	3562	3285	2997	2806	2693	2664
44.0	3284	3606	3850	3837	3588	3250	2919	2701	2578	2540
46.0	3339	3714	3966	3906	3598	3191	2808	2573	2443	2400
48.0	3401	3836	4090	3979	3597	3119	2680	2421	2295	2260
50.0	3477	3981	4213	4039	3588	3020	2535	2269	2138	2106
52.0	3557	4142	4340	4103	3573	2889	2361	2095	1971	1947
54.0	3653	4324	4463	4163	3521	2729	2171	1909	1798	1779
56.0	3755	4503	4582	4212	3461	2544	1954	1704	1616	1604
58.0	3873	4678	4686	4264	3380	2311	1706	1492	1429	1424
60.0	4002	4823	4777	4298	3266	2033	1454	1290	1233	1238
62.0	4107	4923	4832	4319	3097	1679	1211	1092	1050	1051
64.0	4208	4948	4844	4307	2854	1289	1001	907.8	867.8	864.1
66.0	4218	4876	4780	4224	2465	969.2	790.3	734.3	699.1	690.1
68.0	4110	4636	4565	4038	1821	726.5	611.0	571.0	539.8	534.2
70.0	3827	4217	4186	3658	1054	531.0	456.4	425.8	398.2	392.5
72.0	3416	3658	3652	2977	562.5	375.8	324.8	310.2	263.5	288.5
74.0	2760	2919	2943	1957	332.3	260.8	236.5	216.7	190.6	184.8
76.0	1894	1969	2054	950.7	228.1	187.9	178.1	157.3	144.5	143.1
78.0	1115	1100	1147	422.3	163.5	136.4	136.6	116.1	111.0	108.6
80.0	596.8	554.6	605.7	292.3	120.7	99.64	97.07	83.17	77.59	77.70
82.0	296.7	334.0	311.2	162.5	83.50	67.70	63.91	55.24	49.18	27.25
84.0	114.3	113.6	161.2	90.87	47.94	39.98	35.57	32.20	26.61	5.226
86.0	34.23	42.77	63.57	36.71	20.99	18.38	16.56	15.73	12.74	2.550
88.0	13.90	13.39	12.38	9.498	6.928	6.412	5.850	5.956	5.000	1.785
90.0	9.202	7.591	5.795	4.314	3.279	2.944	2.744	2.760	2.533	1.840
92.0	10.27	8.425	6.335	4.560	3.401	2.802	2.601	2.457	2.371	2.192
94.0	11.42	9.385	7.121	5.180	3.891	3.202	2.934	2.778	2.699	2.601
96.0	12.53	10.35	7.937	5.833	4.421	3.635	3.333	3.136	3.043	2.999
98.0	13.59	11.31	8.749	6.508	4.998	4.128	3.788	3.581	3.500	3.457
100.0	14.59	12.23	9.552	7.205	5.594	4.660	4.283	4.062	3.985	3.944
102.0	15.51	13.08	10.33	7.883	6.198	5.213	4.794	4.555	4.475	4.434
104.0	16.35	13.89	11.08	8.566	6.810	5.773	5.319	5.073	4.986	4.940
106.0	17.09	14.66	11.80	9.218	7.430	6.344	5.841	5.580	5.491	5.463
108.0	17.79	15.36	12.46	9.849	8.036	6.928	6.382	6.104	6.029	5.999
110.0	18.39	15.96	13.08	10.49	8.662	7.518	6.923	6.640	6.578	6.560
112.0	18.89	16.50	13.66	11.12	9.273	8.101	7.471	7.196	7.162	7.149
114.0	19.34	16.99	14.22	11.76	9.889	8.687	8.041	7.758	7.739	7.741
116.0	19.75	17.47	14.80	12.39	10.51	9.280	8.612	8.340	8.330	8.336
118.0	20.15	17.96	15.38	13.01	11.13	9.854	9.215	8.937	8.941	8.948
120.0	20.54	18.44	15.96	13.61	11.71	10.43	9.800	9.537	9.544	9.543
122.0	20.89	18.91	16.52	14.19	12.28	11.01	10.40	10.16	10.15	10.15
124.0	21.18	19.35	17.03	14.71	12.82	11.58	10.99	10.74	10.74	10.72
126.0	21.39	19.71	17.46	15.16	13.32	12.12	11.56	11.32	11.29	11.27
128.0	21.51	19.98	17.82	15.57	13.79	12.65	12.08	11.86	11.81	11.78
130.0	21.57	20.15	18.06	15.95	14.25	13.15	12.60	12.34	12.30	12.26
132.0	21.57	20.23	18.27	16.28	14.68	13.61	13.07	12.81	12.76	12.72
134.0	21.51	20.25	18.43	16.60	15.07	14.04	13.52	13.26	13.20	13.15
136.0	21.43	20.25	18.57	16.88	15.45	14.46	13.97	13.69	13.63	13.58
138.0	21.29	20.19	18.66	17.13	15.79	14.88	14.42	14.11	14.05	14.00
140.0	21.15	20.13	18.75	17.34	16.13	15.30	14.85	14.54	14.47	14.44
142.0	21.00	20.05	18.82	17.56	16.48	15.70	15.26	14.96	14.89	14.84
144.0	20.82	19.99	18.90	17.79	16.83	16.12	15.68	15.38	15.29	15.24
146.0	20.68	19.94	18.95	18.06	17.18	16.50	16.08	15.77	15.68	15.61

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L

Photometric Data Table [cd]

148.0	20.53	19.91	19.08	18.33	17.53	16.88	16.46	16.16	16.05	15.98
150.0	20.45	19.96	19.25	18.63	17.87	17.25	16.83	16.55	16.42	16.35
152.0	20.44	20.08	19.47	18.94	18.22	17.62	17.21	16.94	16.83	16.75
154.0	20.51	20.24	19.76	19.25	18.54	17.99	17.58	17.35	17.25	17.14
156.0	20.65	20.44	20.05	19.57	18.90	18.36	17.96	17.78	17.66	17.56
158.0	20.83	20.68	20.37	19.90	19.26	18.77	18.37	18.22	18.11	18.01
160.0	21.06	20.96	20.69	20.25	19.64	19.17	18.81	18.69	18.59	18.46
162.0	21.35	21.32	21.04	20.62	20.04	19.61	19.26	19.17	19.06	18.90
164.0	21.67	21.69	21.42	21.00	20.44	20.06	19.71	19.63	19.50	19.32
166.0	22.02	22.08	21.80	21.39	20.85	20.47	20.15	20.09	19.92	19.75
168.0	22.41	22.48	22.19	21.76	21.25	20.91	20.58	20.52	20.35	20.18
170.0	22.81	22.87	22.56	22.12	21.65	21.35	21.01	20.96	20.77	20.62
172.0	23.25	23.25	22.93	22.47	22.04	21.76	21.42	21.38	21.21	21.08
174.0	23.71	23.67	23.21	22.81	22.43	22.16	21.81	21.81	21.66	21.55
176.0	24.12	23.98	23.47	23.18	22.79	22.57	22.22	22.25	22.12	22.05
178.0	24.34	24.15	23.68	23.46	23.12	22.95	22.64	22.69	22.57	22.51
180.0	24.51	24.23	23.88	23.70	23.41	23.30	23.00	23.09	22.99	22.97

G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489
2.0	2525	2523	2516	2516	2510	2509	2498	2494	2485	2485
4.0	2566	2558	2552	2550	2534	2526	2509	2499	2484	2476
6.0	2604	2595	2585	2572	2561	2548	2524	2505	2486	2469
8.0	2646	2635	2618	2607	2587	2569	2543	2517	2494	2467
10.0	2685	2678	2656	2640	2618	2594	2562	2532	2502	2469
12.0	2732	2716	2696	2677	2646	2621	2584	2546	2514	2473
14.0	2777	2760	2732	2714	2684	2651	2610	2569	2524	2474
16.0	2818	2800	2775	2751	2719	2689	2641	2594	2541	2481
18.0	2856	2844	2817	2790	2761	2725	2675	2619	2556	2495
20.0	2903	2882	2859	2835	2808	2769	2711	2648	2581	2509
22.0	2933	2921	2902	2885	2853	2815	2754	2680	2608	2521
24.0	2961	2953	2942	2937	2904	2862	2798	2718	2634	2534
26.0	2985	2981	2983	2984	2960	2913	2845	2758	2660	2545
28.0	2995	3000	3013	3029	3020	2975	2896	2799	2696	2564
30.0	2994	3014	3040	3076	3076	3034	2951	2847	2723	2578
32.0	2979	3014	3054	3111	3133	3105	3011	2894	2755	2591
34.0	2957	3000	3065	3144	3190	3169	3074	2942	2790	2605
36.0	2911	2972	3058	3167	3240	3242	3145	2988	2819	2619
38.0	2851	2923	3034	3185	3288	3314	3215	3038	2852	2631
40.0	2775	2863	2997	3180	3333	3388	3285	3088	2885	2644
42.0	2684	2788	2942	3169	3361	3464	3371	3151	2920	2648
44.0	2571	2689	2869	3139	3381	3530	3470	3216	2956	2654
46.0	2442	2566	2773	3096	3397	3600	3570	3300	2992	2656
48.0	2295	2420	2661	3027	3396	3663	3681	3391	3039	2657
50.0	2140	2273	2518	2942	3389	3716	3797	3499	3087	2667
52.0	1975	2103	2357	2828	3369	3774	3907	3627	3147	2671
54.0	1806	1922	2173	2688	3326	3824	4031	3779	3213	2676
56.0	1626	1722	1967	2517	3278	3874	4141	3942	3296	2685
58.0	1437	1511	1727	2308	3202	3916	4249	4120	3395	2693
60.0	1243	1309	1472	2059	3103	3957	4355	4314	3501	2692
62.0	1048	1107	1232	1738	2965	3983	4431	4468	3627	2684
64.0	880.9	923.5	1020	1359	2773	3995	4494	4567	3748	2659
66.0	712.5	750.5	808.2	1005	2467	3959	4507	4598	3837	2587
68.0	552.1	586.9	624.5	749.0	1951	3856	4410	4489	3817	2468
70.0	406.5	438.6	468.0	547.9	1216	3624	4159	4181	3654	2258
72.0	271.3	320.3	335.3	388.7	586.7	3156	3695	3670	3295	1956
74.0	193.0	240.8	241.5	267.4	345.5	2203	3026	3035	2803	1601
76.0	144.5	161.6	178.5	189.2	232.7	1251	2208	2171	2038	1211
78.0	111.1	118.0	136.8	135.6	165.5	579.1	1290	1241	1239	819.6
80.0	77.73	84.35	97.81	98.47	120.8	318.5	693.4	649.4	665.0	489.8
82.0	49.91	55.99	63.90	67.05	82.93	189.7	357.7	306.5	330.4	260.2
84.0	27.61	32.30	35.82	38.70	47.34	100.9	176.9	119.7	122.4	109.7
86.0	13.38	15.65	16.41	17.19	20.09	38.74	63.43	39.11	31.55	29.55
88.0	5.213	5.882	5.788	6.077	6.466	9.039	11.03	11.76	11.73	11.57
90.0	2.570	2.714	2.634	2.770	2.992	3.912	5.328	7.143	8.385	9.430
92.0	2.372	2.442	2.577	2.785	3.345	4.430	6.143	8.206	9.767	10.97
94.0	2.700	2.766	2.913	3.187	3.861	5.117	7.052	9.340	11.21	12.56
96.0	3.040	3.133	3.313	3.635	4.421	5.845	7.998	10.50	12.64	14.12
98.0	3.499	3.574	3.772	4.136	5.028	6.614	8.980	11.67	14.03	15.63
100.0	3.987	4.054	4.266	4.688	5.670	7.415	9.960	12.81	15.36	17.02
102.0	4.475	4.554	4.777	5.252	6.331	8.198	10.91	13.89	16.54	18.23
104.0	4.974	5.070	5.306	5.825	6.985	8.985	11.83	14.92	17.56	19.21
106.0	5.501	5.584	5.840	6.419	7.644	9.728	12.72	15.89	18.43	20.02
108.0	6.040	6.106	6.391	7.022	8.302	10.47	13.52	16.78	19.17	20.71
110.0	6.598	6.651	6.946	7.627	8.966	11.18	14.26	17.56	19.81	21.28

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L

Photometric Data Table [cd]

112.0	7.168	7.209	7.511	8.243	9.630	11.88	14.93	18.22	20.32	21.73
114.0	7.741	7.778	8.080	8.852	10.28	12.56	15.56	18.78	20.74	22.08
116.0	8.339	8.354	8.660	9.460	10.94	13.21	16.16	19.30	21.14	22.41
118.0	8.933	8.927	9.255	10.06	11.56	13.82	16.71	19.76	21.54	22.71
120.0	9.516	9.500	9.828	10.65	12.16	14.37	17.16	20.10	21.93	22.95
122.0	10.10	10.08	10.38	11.21	12.70	14.86	17.50	20.30	22.27	23.14
124.0	10.64	10.64	10.92	11.76	13.20	15.25	17.71	20.35	22.59	23.28
126.0	11.17	11.17	11.44	12.26	13.64	15.55	17.81	20.28	22.84	23.38
128.0	11.66	11.67	11.93	12.74	14.05	15.78	17.84	20.11	23.03	23.41
130.0	12.13	12.12	12.40	13.19	14.41	15.96	17.79	19.87	23.18	23.46
132.0	12.58	12.57	12.86	13.61	14.74	16.13	17.74	19.62	23.38	23.58
134.0	13.02	13.00	13.30	13.98	15.03	16.28	17.73	19.44	23.64	23.82
136.0	13.42	13.42	13.72	14.34	15.28	16.42	17.71	19.33	23.85	24.08
138.0	13.84	13.80	14.13	14.68	15.50	16.54	17.73	19.26	24.01	24.26
140.0	14.24	14.20	14.49	15.00	15.71	16.67	17.77	19.21	24.06	24.32
142.0	14.64	14.59	14.88	15.33	15.95	16.80	17.85	19.22	24.01	24.29
144.0	15.04	14.97	15.25	15.65	16.17	16.95	17.94	19.23	23.90	24.18
146.0	15.42	15.35	15.57	15.94	16.41	17.13	18.03	19.22	23.69	23.98
148.0	15.80	15.72	15.90	16.23	16.68	17.33	18.17	19.25	23.49	23.78
150.0	16.17	16.08	16.22	16.53	16.94	17.54	18.33	19.32	23.31	23.61
152.0	16.57	16.46	16.55	16.81	17.21	17.80	18.52	19.43	23.16	23.45
154.0	16.98	16.86	16.90	17.12	17.50	18.07	18.76	19.58	23.07	23.31
156.0	17.39	17.27	17.28	17.45	17.78	18.34	19.00	19.76	23.05	23.22
158.0	17.84	17.69	17.68	17.82	18.13	18.65	19.26	19.97	23.06	23.18
160.0	18.29	18.15	18.13	18.24	18.52	19.02	19.58	20.23	23.09	23.14
162.0	18.77	18.62	18.59	18.70	18.95	19.41	19.92	20.51	23.13	23.13
164.0	19.21	19.12	19.07	19.19	19.41	19.82	20.29	20.82	23.30	23.23
166.0	19.66	19.60	19.57	19.67	19.88	20.24	20.65	21.13	23.50	23.39
168.0	20.12	20.10	20.09	20.20	20.38	20.68	21.04	21.48	23.69	23.52
170.0	20.59	20.58	20.61	20.73	20.88	21.14	21.43	21.82	23.92	23.69
172.0	21.06	21.09	21.15	21.27	21.39	21.60	21.82	22.19	24.16	23.88
174.0	21.55	21.59	21.65	21.79	21.90	22.08	22.24	22.57	24.43	24.07
176.0	22.06	22.12	22.18	22.31	22.39	22.55	22.67	22.96	24.59	24.21
178.0	22.55	22.64	22.68	22.78	22.85	22.95	23.00	23.24	24.58	24.24
180.0	23.00	23.09	23.12	23.19	23.19	23.24	23.25	23.46	24.52	24.22

G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	2489	2489	2489	2489	2489	2489	2489	2489	2489	2489
2.0	2473	2466	2458	2458	2451	2450	2453	2449	2455	2459
4.0	2458	2451	2435	2430	2431	2420	2418	2418	2425	2428
6.0	2451	2436	2415	2409	2401	2387	2384	2388	2390	2401
8.0	2440	2421	2398	2386	2371	2360	2355	2356	2363	2371
10.0	2433	2407	2375	2362	2343	2327	2321	2320	2328	2339
12.0	2429	2398	2364	2338	2315	2293	2287	2284	2291	2307
14.0	2427	2385	2342	2309	2281	2258	2251	2250	2257	2273
16.0	2425	2376	2318	2283	2252	2228	2218	2215	2221	2242
18.0	2426	2366	2301	2257	2219	2195	2182	2182	2193	2210
20.0	2424	2353	2278	2228	2189	2162	2148	2145	2155	2175
22.0	2425	2340	2250	2199	2154	2124	2110	2108	2122	2144
24.0	2426	2325	2226	2167	2120	2092	2078	2076	2085	2106
26.0	2425	2307	2204	2133	2085	2055	2044	2038	2051	2070
28.0	2424	2292	2172	2098	2048	2020	2006	2003	2012	2034
30.0	2418	2272	2143	2061	2009	1981	1971	1971	1974	1995
32.0	2417	2246	2109	2022	1971	1944	1930	1928	1935	1954
34.0	2409	2220	2064	1977	1932	1901	1889	1886	1892	1910
36.0	2397	2189	2019	1927	1880	1857	1848	1842	1850	1866
38.0	2381	2149	1971	1877	1831	1811	1804	1801	1806	1819
40.0	2359	2106	1917	1822	1781	1762	1755	1753	1754	1767
42.0	2335	2056	1860	1766	1728	1708	1705	1703	1707	1713
44.0	2307	1998	1795	1704	1671	1655	1652	1653	1653	1660
46.0	2278	1937	1728	1640	1611	1598	1597	1598	1599	1603
48.0	2241	1867	1656	1574	1553	1540	1539	1539	1539	1545
50.0	2198	1793	1580	1507	1489	1477	1476	1478	1480	1486
52.0	2147	1714	1507	1436	1422	1413	1412	1413	1416	1422
54.0	2092	1626	1425	1363	1352	1343	1344	1346	1349	1354
56.0	2030	1530	1342	1287	1275	1274	1272	1274	1277	1283
58.0	1961	1428	1254	1204	1197	1199	1198	1197	1202	1204
60.0	1880	1322	1163	1117	1113	1103	1117	1114	1120	1122
62.0	1788	1214	1066	1025	1025	1003	1015	995.4	1015	1012
64.0	1686	1102	969.7	933.3	928.9	903.5	891.5	876.6	889.5	902.0
66.0	1569	983.5	870.0	835.4	807.7	775.5	769.0	758.7	766.1	773.3
68.0	1431	865.2	764.9	715.5	678.3	663.0	639.4	607.9	640.0	660.4
70.0	1268	748.0	657.0	585.9	570.6	539.5	468.4	433.9	470.2	541.9
72.0	1081	626.3	530.0	478.9	466.3	393.7	310.4	274.2	311.6	404.0
74.0	874.7	506.2	410.7	378.0	361.6	257.9	189.4	172.2	191.8	266.9

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

Photometric Data Table [cd]

76.0	660.6	374.0	296.8	270.9	254.2	147.1	111.1	118.3	111.5	149.4
78.0	458.1	261.5	170.3	151.9	146.9	79.45	69.12	64.88	68.64	80.57
80.0	304.0	151.8	98.00	78.06	72.96	39.92	30.69	26.68	30.07	38.39
82.0	149.9	79.90	57.55	42.93	30.06	14.99	6.844	2.382	5.966	13.67
84.0	51.70	35.58	28.14	20.84	12.17	5.338	1.894	0.7249	1.503	4.582
86.0	20.47	15.76	11.86	7.354	4.392	2.056	1.052	0.9169	0.9959	1.834
88.0	10.39	8.109	5.723	3.365	1.888	1.301	1.180	1.172	1.186	1.309
90.0	9.072	7.501	5.287	3.265	1.891	1.570	1.478	1.473	1.496	1.598
92.0	10.64	8.957	6.474	4.194	2.497	1.988	1.863	1.859	1.879	2.021
94.0	12.24	10.45	7.745	5.218	3.220	2.494	2.321	2.314	2.342	2.526
96.0	13.84	11.98	9.069	6.329	4.045	3.095	2.853	2.838	2.870	3.127
98.0	15.39	13.50	10.41	7.513	4.978	3.785	3.457	3.427	3.477	3.816
100.0	16.81	14.88	11.70	8.710	5.981	4.556	4.134	4.086	4.163	4.581
102.0	17.99	16.04	12.85	9.838	7.055	5.407	4.879	4.815	4.896	5.414
104.0	18.91	16.99	13.85	10.87	8.146	6.321	5.666	5.583	5.673	6.283
106.0	19.67	17.74	14.70	11.80	9.219	7.254	6.514	6.394	6.505	7.189
108.0	20.33	18.37	15.42	12.64	10.22	8.235	7.402	7.253	7.374	8.108
110.0	20.87	18.89	16.07	13.41	11.16	9.205	8.314	8.125	8.263	9.031
112.0	21.30	19.40	16.67	14.21	12.02	10.17	9.259	9.033	9.182	9.929
114.0	21.67	19.90	17.32	14.98	12.85	11.14	10.21	9.948	10.12	10.82
116.0	21.99	20.43	17.98	15.77	13.67	12.07	11.19	10.88	11.06	11.71
118.0	22.29	20.91	18.63	16.55	14.52	12.99	12.15	11.83	12.00	12.61
120.0	22.51	21.24	19.26	17.30	15.37	13.91	13.12	12.79	12.95	13.49
122.0	22.65	21.46	19.72	17.97	16.19	14.82	14.05	13.71	13.88	14.37
124.0	22.70	21.49	19.98	18.57	16.98	15.71	14.97	14.66	14.81	15.28
126.0	22.70	21.42	20.12	19.03	17.69	16.56	15.86	15.54	15.68	16.16
128.0	22.64	21.33	20.16	19.35	18.25	17.36	16.70	16.38	16.54	17.03
130.0	22.49	21.18	20.19	19.58	18.75	18.07	17.48	17.18	17.32	17.84
132.0	22.40	21.09	20.15	19.75	19.16	18.65	18.18	17.92	18.03	18.56
134.0	22.48	21.11	20.16	19.85	19.52	19.14	18.79	18.58	18.69	19.23
136.0	22.67	21.22	20.26	19.94	19.81	19.55	19.31	19.16	19.27	19.81
138.0	22.94	21.44	20.39	20.08	20.06	19.89	19.77	19.68	19.80	20.32
140.0	23.19	21.69	20.59	20.29	20.25	20.18	20.17	20.14	20.27	20.76
142.0	23.36	21.87	20.84	20.52	20.43	20.42	20.51	20.53	20.67	21.14
144.0	23.40	22.04	21.11	20.81	20.59	20.63	20.79	20.85	20.99	21.45
146.0	23.32	22.19	21.35	21.05	20.77	20.84	21.03	21.13	21.29	21.74
148.0	23.29	22.39	21.67	21.33	20.97	21.07	21.26	21.36	21.53	21.98
150.0	23.26	22.57	21.93	21.57	21.20	21.31	21.47	21.56	21.72	22.17
152.0	23.21	22.73	22.15	21.79	21.44	21.55	21.69	21.75	21.93	22.32
154.0	23.18	22.81	22.31	22.01	21.68	21.78	21.91	21.98	22.12	22.48
156.0	23.14	22.87	22.44	22.23	21.92	22.03	22.12	22.16	22.30	22.63
158.0	23.11	22.92	22.60	22.47	22.16	22.30	22.34	22.39	22.49	22.78
160.0	23.10	22.97	22.72	22.65	22.39	22.54	22.56	22.59	22.68	22.89
162.0	23.09	23.00	22.80	22.79	22.54	22.73	22.75	22.75	22.82	23.00
164.0	23.20	23.16	22.99	23.01	22.79	23.00	22.98	22.97	23.02	23.17
166.0	23.32	23.34	23.19	23.22	23.01	23.22	23.19	23.18	23.20	23.31
168.0	23.44	23.47	23.32	23.35	23.14	23.32	23.29	23.28	23.29	23.38
170.0	23.57	23.60	23.45	23.42	23.20	23.41	23.37	23.37	23.38	23.45
172.0	23.73	23.73	23.54	23.52	23.30	23.49	23.46	23.47	23.47	23.52
174.0	23.89	23.80	23.61	23.59	23.38	23.52	23.49	23.48	23.49	23.54
176.0	23.94	23.81	23.62	23.58	23.32	23.47	23.43	23.42	23.43	23.47
178.0	23.94	23.78	23.54	23.47	23.21	23.32	23.26	23.25	23.28	23.34
180.0	23.89	23.70	23.41	23.30	23.01	23.09	22.99	22.98	23.00	23.09

G/C	300.0	310.0	320.0	330.0	340.0	350.0
0.0	2489	2489	2489	2489	2489	2489
2.0	2456	2464	2466	2479	2479	2487
4.0	2430	2443	2450	2468	2475	2489
6.0	2407	2426	2435	2457	2470	2493
8.0	2383	2404	2423	2453	2468	2500
10.0	2357	2383	2408	2444	2472	2512
12.0	2328	2362	2392	2439	2478	2523
14.0	2297	2337	2377	2433	2484	2541
16.0	2269	2311	2361	2428	2489	2559
18.0	2240	2288	2346	2423	2499	2583
20.0	2208	2262	2328	2417	2507	2607
22.0	2177	2232	2306	2411	2520	2634
24.0	2140	2201	2290	2402	2524	2664
26.0	2105	2171	2261	2390	2535	2694
28.0	2067	2135	2235	2378	2543	2728
30.0	2029	2097	2204	2363	2551	2754
32.0	1988	2056	2168	2345	2561	2787
34.0	1944	2010	2130	2327	2563	2817
36.0	1894	1961	2086	2296	2561	2847
38.0	1847	1908	2035	2261	2554	2869

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED
Driver MOSO X6-036M052L

Photometric Data Table [cd]

40.0	1794	1852	1979	2219	2546	2894
42.0	1741	1798	1919	2174	2536	2914
44.0	1683	1734	1854	2122	2521	2937
46.0	1626	1670	1786	2062	2499	2952
48.0	1564	1602	1713	1993	2476	2972
50.0	1501	1532	1636	1915	2438	2995
52.0	1431	1462	1556	1837	2401	3012
54.0	1361	1388	1471	1748	2353	3030
56.0	1284	1308	1387	1653	2308	3054
58.0	1204	1224	1296	1551	2245	3081
60.0	1120	1135	1201	1445	2175	3091
62.0	1030	1041	1104	1336	2097	3075
64.0	931.9	947.4	1000	1218	1988	3023
66.0	806.1	845.0	894.5	1096	1857	2921
68.0	676.9	722.1	785.0	970.4	1693	2732
70.0	568.9	589.4	671.6	838.6	1491	2458
72.0	464.4	480.5	540.5	700.3	1253	2126
74.0	362.5	380.0	418.7	559.2	993.0	1741
76.0	253.6	269.2	305.0	407.8	729.8	1309
78.0	144.7	146.2	176.2	278.5	491.7	910.5
80.0	71.00	75.96	100.5	165.3	298.8	512.6
82.0	29.50	42.44	58.40	85.04	158.1	266.8
84.0	11.76	20.71	28.87	37.54	57.60	115.5
86.0	4.136	7.625	12.53	17.06	23.06	37.25
88.0	1.840	3.373	5.876	8.423	11.10	12.57
90.0	1.921	3.154	4.982	7.153	8.740	9.256
92.0	2.517	3.982	6.032	8.431	10.15	10.66
94.0	3.213	4.906	7.154	9.752	11.58	12.11
96.0	3.995	5.877	8.311	11.09	12.97	13.54
98.0	4.868	6.932	9.483	12.38	14.32	14.90
100.0	5.787	7.982	10.60	13.53	15.54	16.16
102.0	6.782	8.989	11.62	14.52	16.54	17.26
104.0	7.780	9.940	12.50	15.34	17.35	18.13
106.0	8.772	10.84	13.27	16.00	18.04	18.89
108.0	9.706	11.69	14.00	16.60	18.65	19.54
110.0	10.59	12.51	14.71	17.18	19.22	20.06
112.0	11.45	13.35	15.42	17.79	19.73	20.49
114.0	12.29	14.20	16.16	18.45	20.23	20.88
116.0	13.12	15.06	16.99	19.19	20.73	21.21
118.0	13.94	15.91	17.87	19.95	21.28	21.54
120.0	14.80	16.76	18.79	20.71	21.78	21.77
122.0	15.64	17.59	19.67	21.42	22.19	21.90
124.0	16.48	18.46	20.46	22.05	22.49	21.95
126.0	17.32	19.27	21.17	22.52	22.70	21.90
128.0	18.10	20.01	21.80	22.92	22.84	21.82
130.0	18.83	20.67	22.40	23.27	22.98	21.74
132.0	19.50	21.25	22.93	23.62	23.13	21.71
134.0	20.14	21.80	23.39	23.94	23.38	21.80
136.0	20.70	22.32	23.74	24.18	23.61	21.89
138.0	21.20	22.75	23.98	24.35	23.75	21.97
140.0	21.66	23.08	24.09	24.44	23.80	22.01
142.0	22.05	23.31	24.13	24.43	23.75	22.00
144.0	22.36	23.46	24.13	24.34	23.60	21.96
146.0	22.59	23.57	24.08	24.19	23.42	21.88
148.0	22.75	23.62	24.05	24.07	23.32	21.85
150.0	22.85	23.62	24.01	23.95	23.22	21.88
152.0	22.93	23.60	23.93	23.84	23.19	21.96
154.0	22.97	23.53	23.83	23.73	23.14	22.06
156.0	23.00	23.46	23.71	23.62	23.08	22.16
158.0	23.08	23.39	23.58	23.51	23.05	22.29
160.0	23.13	23.36	23.44	23.39	23.00	22.37
162.0	23.16	23.31	23.29	23.26	22.93	22.41
164.0	23.25	23.36	23.27	23.23	22.97	22.58
166.0	23.35	23.42	23.32	23.23	23.05	22.75
168.0	23.40	23.45	23.33	23.25	23.11	22.90
170.0	23.42	23.47	23.36	23.29	23.18	23.06
172.0	23.47	23.48	23.40	23.38	23.25	23.24
174.0	23.49	23.52	23.41	23.44	23.34	23.41
176.0	23.44	23.46	23.39	23.42	23.39	23.53
178.0	23.33	23.36	23.32	23.35	23.35	23.53
180.0	23.11	23.18	23.20	23.25	23.25	23.45

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Kevin Delgado
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity:MAX:54.5-MIN:43.4%
Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0646-1-A VIALIT II 48 LED Driver MOSO X6-036M052L