

ANEXO 25-0111-3-A TAYRONA I 48 LED P02 50W

Driver ADVANCE XITANIUM 100W 1.1A 0-10V Dimming
MOD LED FF BOARD 2X8/740 5050 DA_UHE 4K
LENTE: P02



Light Output Ratio:	100.0%
Luminaire Power:	50.78 W
90% Beam Spread	29.7V x 30.7H
50% Beam Lumens	540.4 lumens per klm.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

Driver ADVANCE XITANIUM 100W 1.1A 0-10V Dimming
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Floodlight Summary:

Report based on lamp delivering 1000 lumens.

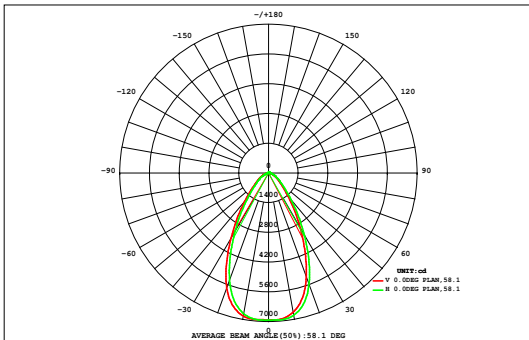
Maximum Intensity (Luminaire orientation as tested.)		872.5 cd per klm. 0.0 degrees vertical 0.0 degrees horizontal
Beam Spread	At 10% of Imax At 50% of Imax At 90% of Imax	104.2V x 104.2H 57.2V x 57.8H 29.7V x 30.7H
Beam Flux	Total To 10% of Imax To 50% of Imax To 90% of Imax	1000.0 lumens per klm. 882.3 lumens per klm. 540.4 lumens per klm. 204.7 lumens per klm.
	Upward LOR Downward LOR	0.9 % 99.1 %
Luminaire Efficiency (Light Output Ratio)		100.0 %

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C Interval: 10.0DEG
Test Speed: HIGH
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Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
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LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.09V I:0.2345A P:50.783W PF:0.9838 Freq:60.01Hz Lamp Flux:7976.58x1 lm		
NAME: ANEXO 25-0111-3-A TAYRONA I 48 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



DATA OF LAMP		Eff:157.00lm/W	
MODEL	2X8/740 5050	Imax (cd)	6959
NOMINAL POWER (W)	50	AVAILABILITY (%)	88.1
RATED VOLTAGE (V)	----	Avai. FLUX (lm)	7027
NOMINAL FLUX (lm)	7976.58	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	7973
TEST VOLTAGE (V)	220	θ @50% (H, V)	58,57DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.01	0.02	0.05	0.11	0.19	0.28	0.36	0.41	0.45	0.46	0.42	0.34	0.25	0.15	0.08	0.03	0.01	3.62	0.00
90	0.00	0.01	0.02	0.05	0.11	0.19	0.28	0.36	0.41	0.45	0.46	0.42	0.34	0.25	0.15	0.08	0.03	0.01	3.62	0.00
80	0.00	0.03	0.18	0.53	1.08	1.80	2.51	2.98	3.29	3.41	3.31	3.01	2.35	1.58	0.90	0.40	0.11	0.01	27.5	0.00
70	0.01	0.12	0.61	1.64	3.25	5.14	6.74	7.69	8.40	8.60	8.21	7.48	5.93	4.11	2.32	0.99	0.27	0.02	71.5	0.00
60	0.01	0.26	1.23	3.32	6.08	9.15	12.5	15.1	16.8	17.1	15.9	13.5	10.2	7.06	4.13	1.74	0.46	0.04	135	5.21
50	0.02	0.42	1.92	4.92	8.96	14.2	21.0	27.7	32.0	32.7	29.5	23.2	16.0	10.2	5.77	2.52	0.67	0.05	232	163
40	0.03	0.59	2.57	6.39	12.3	22.0	37.2	54.8	66.9	68.5	59.3	42.2	25.4	14.2	7.47	3.22	0.87	0.07	424	382
30	0.04	0.74	3.10	7.83	16.1	33.1	63.4	98.9	124	128	107	72.4	39.1	18.9	9.15	3.80	1.05	0.09	727	694
	0.04	0.85	3.50	8.94	19.6	44.9	90.8	146	183	186	159	104	53.8	23.5	10.5	4.26	1.18	0.10	1040	1012
	0.05	0.90	3.74	9.64	21.8	52.2	109	174	207	208	186	125	62.8	26.4	11.3	4.52	1.25	0.10	1205	1179
	0.05	0.91	3.78	9.75	22.1	53.1	110	176	208	209	188	127	64.3	27.0	11.4	4.57	1.26	0.10	1217	1191
	0.05	0.87	3.61	9.23	20.1	45.9	93.3	151	188	190	164	108	56.1	24.5	10.8	4.40	1.22	0.10	1070	1043
	0.04	0.78	3.24	8.11	16.7	34.5	66.2	104	131	134	112	76.6	41.8	20.0	9.54	4.00	1.10	0.09	763	731
-30	0.03	0.64	2.70	6.69	13.1	23.3	39.8	59.1	72.0	73.4	63.7	45.7	27.4	15.2	7.90	3.42	0.94	0.08	455	415
-40	0.02	0.47	2.06	5.23	9.70	15.4	22.8	30.4	35.2	35.8	32.4	25.4	17.5	11.0	6.28	2.72	0.74	0.06	253	191
-50	0.01	0.30	1.37	3.66	6.82	10.2	14.0	17.2	19.0	19.2	17.9	15.1	11.5	7.78	4.67	1.95	0.52	0.04	151	21.9
-60	0.01	0.14	0.72	1.97	3.91	6.11	8.15	9.37	10.1	10.3	9.76	8.68	7.06	4.82	2.78	1.15	0.31	0.03	85.4	0.00
-70	0.00	0.04	0.23	0.67	1.35	2.25	3.17	3.75	4.09	4.19	4.05	3.66	2.94	1.97	1.11	0.49	0.14	0.02	34.1	0.00
-80	0.00	0.01	0.03	0.08	0.17	0.28	0.42	0.55	0.62	0.66	0.67	0.61	0.49	0.35	0.21	0.10	0.04	0.01	5.30	0.00
-90	0.00	0.01	0.03	0.08	0.17	0.28	0.42	0.55	0.62	0.66	0.67	0.61	0.49	0.35	0.21	0.10	0.04	0.01	5.30	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.42	8.08	34.6	88.7	183	374	702	1079	1310	1329	1162	803	445	219	106	44.3	12.2	1.01	7900	---
Φ a	0.00	0.00	0.00	1.63	109	312	644	1024	1255	1274	1107	746	386	152	15.3	0.00	0.00	0.00	---	7027

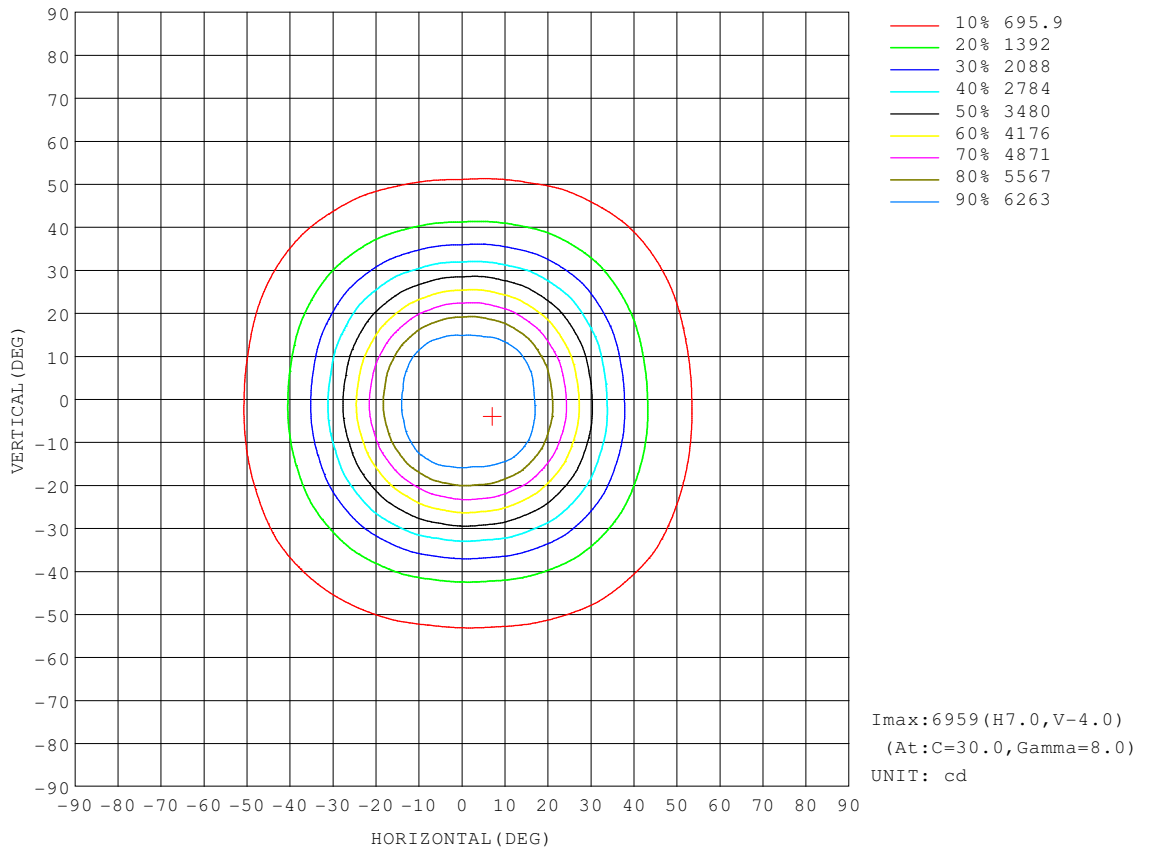
one-half-peak spread: U:25.2,D:24.3 , L:25.7,R:23.5 NEMA Beam Type: Type 6

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

ISOCANDELA DIAGRAM

Test:U:220.09V I:0.2345A P:50.783W PF:0.9838 Freq:60.01Hz Lamp Flux:7976.58x1 lm		
NAME: ANEXO 25-0111-3-A TAYRONA I 48 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

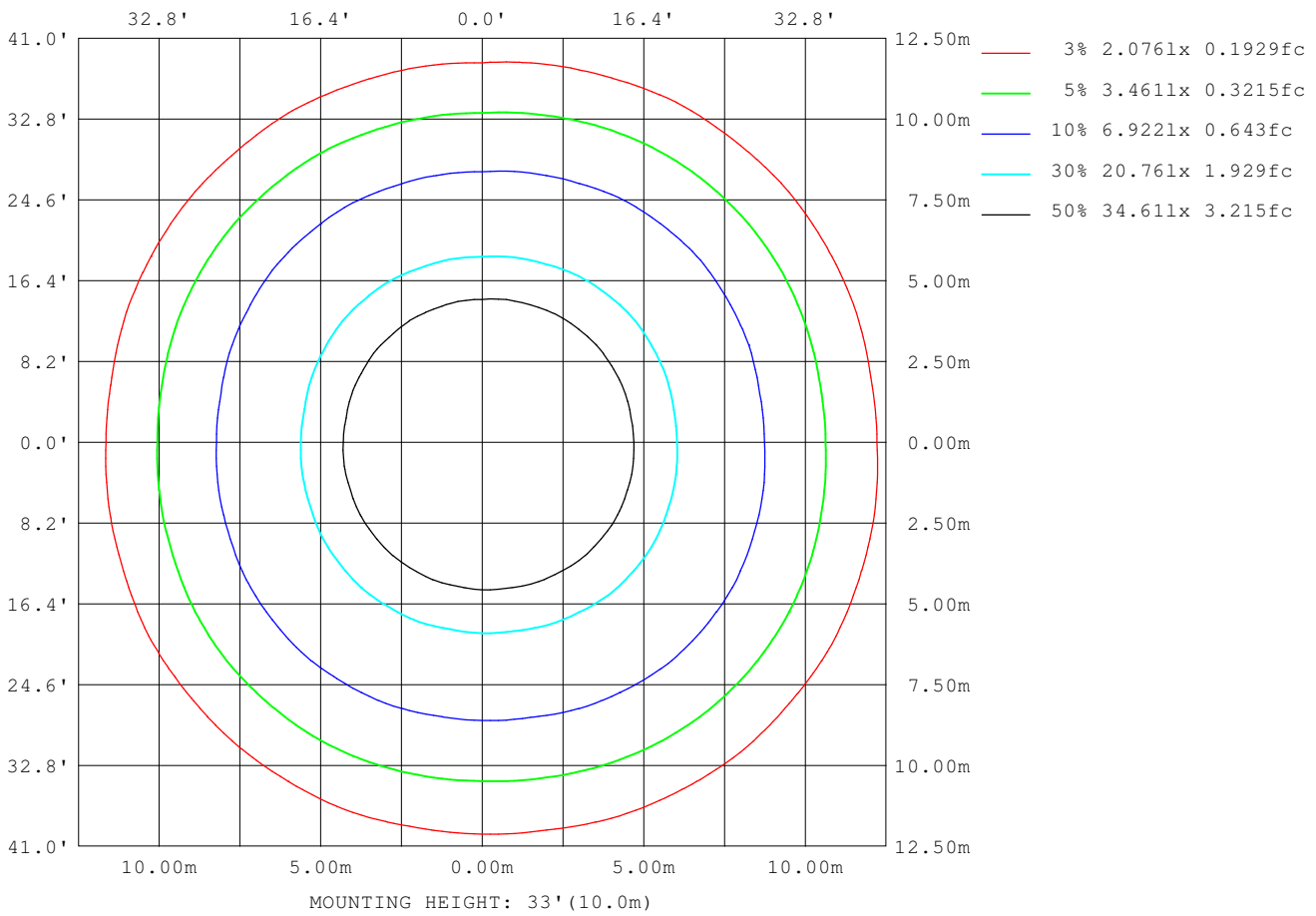


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25±1°CDEG
Operators:Fabián Loaiza
Test Date:2025/03/31

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γ Interval: 2.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
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Test Distance:7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

ISOLUX DIAGRAM

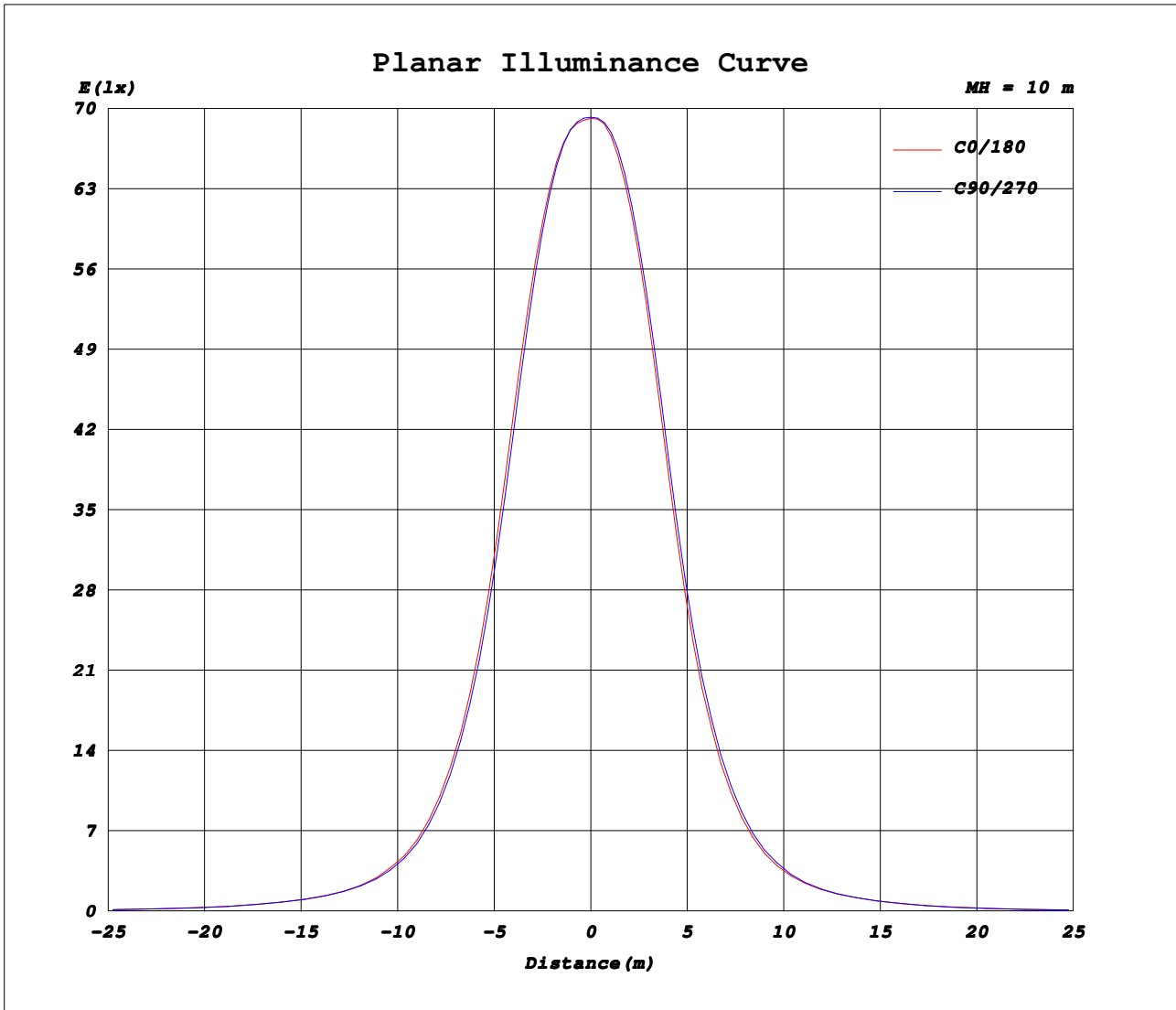
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SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
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Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
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MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

Planar Illuminance Curve



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Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

Driver ADVANCE XITANIUM 100W 1.1A 0-10V Dimming
MOD LED FF BOARD 2X8/740 5050 DA_UHE 4K
LENTE: P02

Test Distance: 7.080 metres
Test Temperature: 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-050
Controlador de temperatura INME-046
Analizador de potencia INME-013
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
Fabián Loaiza

Revisó
Milton Chavarro

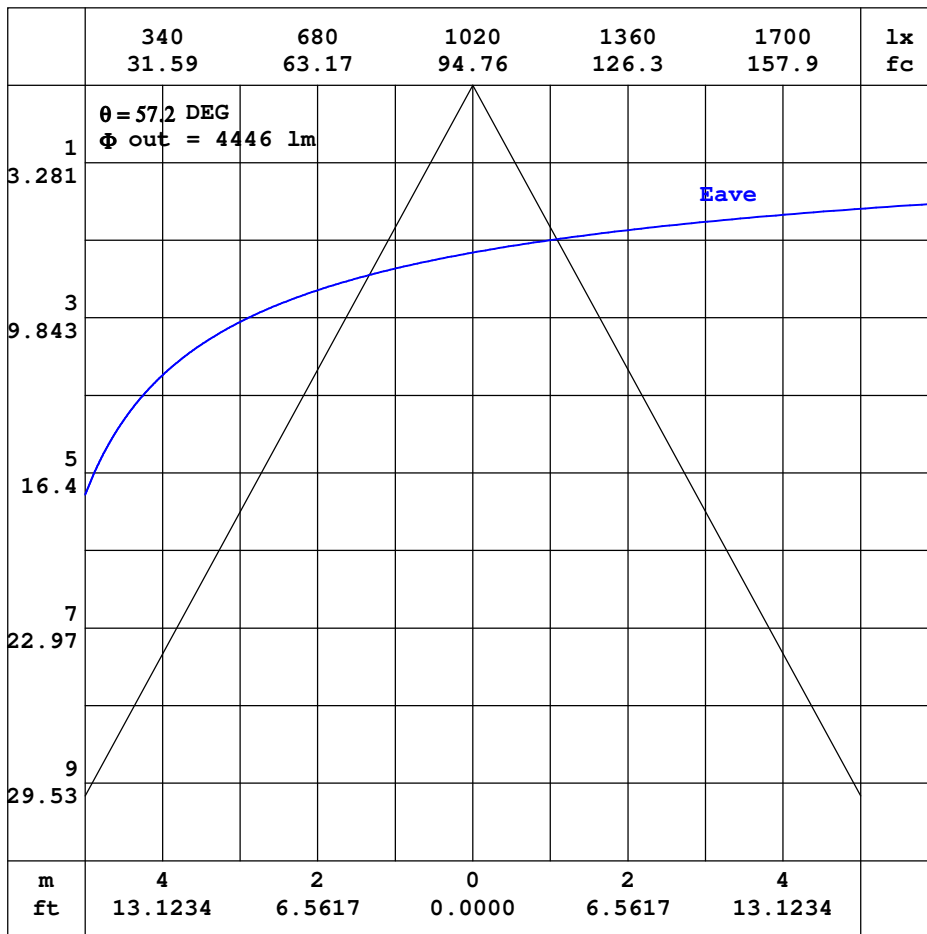
Testing Procedure: Las prueba fue realizada de acuerdo con la norma LM 79 de 2019.
Tiempo de estabilizacion: 0:31':00"
Tiempo de ensayo: 0:20':35"

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Test Speed: HIGH
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Operators: Fabián Loaiza
Test Date: 2025/03/31

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Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
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Test Distance: 7.080m [K=1.0000]
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MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

AAI CURVES

Test:U:220.09V I:0.2345A P:50.783W PF:0.9838 Freq:60.01Hz Lamp Flux:7976.58x1 lm		
NAME: ANEXO 25-0111-3-A TAYRONA I 48 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
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Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.09V I:0.2345A P:50.783W PF:0.9838 Freq:60.01Hz Lamp Flux:7976.58x1 lm		
NAME: ANEXO 25-0111-3-A TAYRONA I 48 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-180	0.85	1.28	1.86	2.63	3.65	5.09	7.03	9.67	13.0	16.9	21.2	25.4	29.2	32.5	35.5	38.6	42.4	46.0	46.8
-170	0.85	1.29	1.87	2.65	3.70	5.16	7.16	9.80	13.1	16.9	20.7	24.6	28.0	31.0	33.3	35.4	37.5	39.4	40.4
-160	0.85	1.27	1.84	2.58	3.58	4.95	6.74	9.00	11.7	14.9	18.2	21.5	24.7	27.6	29.9	31.7	33.3	34.6	35.2
-150	0.85	1.25	1.77	2.44	3.31	4.39	5.78	7.53	9.60	11.9	14.5	17.2	19.8	22.1	24.1	25.7	26.9	27.9	28.3
-140	0.85	1.20	1.66	2.23	2.89	3.70	4.70	5.87	7.27	8.86	10.6	12.4	14.1	15.8	17.2	18.2	19.1	19.7	19.8
-130	0.85	1.16	1.54	1.96	2.44	3.00	3.63	4.35	5.20	6.14	7.12	8.07	9.04	9.97	10.7	11.3	11.8	12.1	12.1
-120	0.85	1.10	1.39	1.69	2.00	2.34	2.71	3.11	3.56	4.04	4.47	4.90	5.34	5.73	6.01	6.29	6.50	6.59	6.57
-110	0.85	1.03	1.25	1.42	1.60	1.78	1.96	2.16	2.37	2.55	2.72	2.87	3.02	3.12	3.20	3.28	3.34	3.35	3.31
-100	0.85	0.98	1.10	1.17	1.25	1.32	1.38	1.45	1.52	1.56	1.60	1.63	1.67	1.67	1.67	1.68	1.67	1.66	1.64
-90	0.85	0.92	0.98	0.98	0.98	0.98	0.97	0.97	0.98	0.97	0.96	0.93	0.90	0.90	0.90	0.89	0.87	0.85	0.83
-80	0.85	0.99	1.19	2.17	3.52	5.80	9.99	13.8	18.6	24.8	31.0	36.2	41.7	47.9	53.6	56.7	58.7	60.9	62.3
-70	0.85	1.06	3.48	9.29	18.8	32.4	49.3	68.4	89.3	113	135	160	187	202	207	214	219	224	226
-60	0.85	1.77	8.62	24.0	46.8	76.7	114	157	206	253	291	325	362	394	419	440	454	467	474
-50	0.85	2.75	15.7	43.5	81.6	128	187	255	319	380	438	499	567	635	700	757	792	816	829
-40	0.85	3.55	24.0	63.8	117	180	254	336	429	522	624	749	898	1069	1237	1416	1552	1634	1680
-30	0.85	4.99	32.0	81.6	148	226	314	417	539	680	869	1124	1455	1876	2316	2716	3061	3252	3377
-20	0.85	6.31	38.2	95.1	170	262	364	495	638	833	1144	1591	2204	2907	3646	4388	5003	5417	5589
-10	0.85	7.04	41.5	104	182	281	396	542	707	960	1372	1982	2787	3740	4807	5793	6493	6803	6806
0	0.85	7.18	42.0	105	184	285	402	551	721	998	1440	2111	2989	4070	5212	6120	6660	6895	6915
10	0.85	6.86	40.6	102	179	276	387	529	691	937	1339	1939	2747	3691	4707	5683	6416	6741	6735
20	0.85	5.99	36.4	90.9	164	251	350	478	619	817	1110	1536	2113	2816	3525	4203	4823	5231	5384
30	0.85	4.57	29.6	76.1	140	216	301	403	516	648	824	1072	1389	1763	2176	2569	2851	3083	3145
40	0.85	3.11	21.4	57.6	108	169	242	319	402	486	583	700	833	985	1153	1294	1417	1499	1519
50	0.85	2.37	13.3	38.0	73.6	118	173	238	294	346	398	454	515	579	633	676	716	737	740
60	0.85	1.53	6.78	20.1	41.0	67.4	98.1	137	178	216	252	283	314	339	352	370	388	396	398
70	0.85	0.94	2.45	7.24	15.7	26.7	39.8	55.6	72.7	89.8	111	131	150	161	165	172	179	182	182
80	0.85	0.91	0.94	1.61	2.61	3.92	6.54	9.49	13.6	17.9	21.6	26.2	31.3	35.1	38.0	41.2	43.8	44.6	44.5
90	0.85	0.87	0.89	0.90	0.91	0.92	0.94	0.94	0.94	0.94	0.93	0.90	0.87	0.86	0.85	0.82	0.79	0.79	0.78
100	0.85	0.93	1.01	1.10	1.19	1.28	1.38	1.46	1.53	1.61	1.68	1.72	1.76	1.79	1.81	1.81	1.80	1.80	1.79
110	0.85	0.99	1.16	1.34	1.53	1.74	1.96	2.18	2.39	2.59	2.79	2.96	3.10	3.23	3.35	3.43	3.47	3.50	3.50
120	0.85	1.06	1.32	1.60	1.92	2.27	2.67	3.10	3.53	3.98	4.46	4.92	5.30	5.68	6.05	6.35	6.54	6.63	6.63
130	0.85	1.12	1.47	1.87	2.33	2.86	3.51	4.26	5.08	5.97	6.93	7.91	8.84	9.67	10.5	11.2	11.7	11.9	12.0
140	0.85	1.18	1.60	2.13	2.75	3.51	4.45	5.60	7.01	8.58	10.2	12.0	13.7	15.2	16.4	17.6	18.5	19.0	19.0
150	0.85	1.22	1.72	2.35	3.13	4.14	5.43	7.07	9.11	11.5	14.1	16.7	19.0	21.2	22.9	24.1	25.4	26.2	26.3
160	0.85	1.26	1.81	2.51	3.43	4.68	6.30	8.45	11.1	14.2	17.6	21.0	24.0	26.5	28.5	29.9	31.1	32.4	32.6
170	0.85	1.28	1.85	2.61	3.61	5.01	6.88	9.41	12.6	16.3	20.3	24.2	27.6	30.4	32.6	34.6	36.6	38.0	38.7
180	0.85	1.28	1.86	2.63	3.65	5.09	7.03	9.67	13.0	16.9	21.2	25.4	29.2	32.5	35.5	38.6	42.4	46.0	46.8

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.09V I:0.2345A P:50.783W PF:0.9838 Freq:60.01Hz Lamp Flux:7976.58x1 lm		
NAME: ANEXO 25-0111-3-A TAYRONA I 48 LED	TYPE:Alumbrado Publico	WEIGHT:-----
SPEC.:48 LED 50W	DIM.: -----	SERIAL No.:25-0111-3
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-180	44.6	40.2	36.4	33.2	30.1	26.8	23.2	19.2	15.3	11.8	8.74	6.35	4.59	3.29	2.35	1.66	1.15	1.27	
-170	39.5	38.0	35.5	32.6	29.4	26.0	22.2	18.3	14.5	11.1	8.33	6.10	4.43	3.20	2.31	1.63	1.14	1.27	
-160	34.6	32.9	31.0	28.7	25.9	22.7	19.4	16.0	12.8	9.85	7.43	5.49	4.05	2.99	2.19	1.58	1.12	1.27	
-150	27.7	26.4	24.8	22.8	20.5	18.0	15.3	12.7	10.2	8.03	6.20	4.72	3.56	2.69	2.02	1.49	1.08	1.27	
-140	19.4	18.6	17.4	16.1	14.4	12.7	10.9	9.18	7.53	6.07	4.86	3.84	3.01	2.35	1.80	1.38	1.04	1.27	
-130	11.9	11.4	10.7	9.96	9.06	8.07	7.09	6.14	5.22	4.36	3.61	2.99	2.45	1.98	1.58	1.26	1.00	1.27	
-120	6.47	6.26	5.93	5.55	5.21	4.78	4.31	3.87	3.44	3.01	2.60	2.24	1.92	1.62	1.36	1.13	0.95	1.27	
-110	3.28	3.22	3.11	2.98	2.86	2.72	2.54	2.36	2.18	2.00	1.81	1.62	1.45	1.29	1.14	1.01	0.98	1.27	
-100	1.63	1.61	1.58	1.55	1.52	1.49	1.43	1.38	1.33	1.28	1.20	1.13	1.07	1.01	0.96	0.99	1.16	1.27	
-90	0.87	0.90	0.97	1.04	1.05	1.06	1.14	1.22	1.25	1.29	1.33	1.37	1.37	1.38	1.40	1.42	1.35	1.27	
-80	63.4	63.6	64.8	64.8	62.0	58.0	53.2	48.4	42.4	36.0	30.3	24.8	18.2	13.1	9.06	5.62	3.25	1.27	
-70	228	226	225	221	219	211	197	178	152	128	104	80.6	58.7	40.5	25.5	13.5	5.07	1.27	
-60	474	467	458	441	421	395	369	333	291	255	218	163	116	77.9	48.7	24.5	8.05	1.27	
-50	827	816	793	749	692	631	562	491	429	374	314	246	176	121	74.2	36.7	11.4	1.27	
-40	1664	1621	1522	1372	1203	1033	860	713	597	496	399	310	236	161	99.3	49.1	14.1	1.27	
-30	3319	3200	2927	2594	2176	1732	1343	1035	798	625	495	377	282	199	121	59.8	17.2	1.27	
-20	5533	5284	4797	4102	3367	2653	1952	1396	1018	751	577	436	319	226	137	67.6	19.8	1.27	
-10	6794	6749	6293	5422	4357	3326	2427	1705	1177	841	629	474	340	239	146	72.0	21.2	1.27	
0	6924	6843	6476	5772	4697	3540	2551	1767	1220	853	639	481	343	241	148	72.6	21.4	1.27	
10	6718	6637	6147	5281	4260	3235	2341	1633	1141	812	614	463	332	234	143	70.5	20.8	1.27	
20	5349	5086	4571	3929	3218	2488	1843	1327	964	720	556	417	305	217	132	64.9	19.1	1.27	
30	3162	3001	2782	2426	2020	1622	1254	960	749	595	474	358	267	187	114	56.0	16.3	1.27	
40	1538	1491	1394	1269	1113	943	797	666	556	462	373	291	221	150	90.4	44.8	13.1	1.27	
50	750	742	714	679	631	567	505	450	396	340	282	223	160	109	66.2	32.4	10.3	1.27	
60	406	405	394	381	371	348	319	291	261	224	185	139	101	69.9	42.4	20.8	7.11	1.27	
70	187	188	186	184	184	177	159	142	124	104	84.4	66.1	50.4	35.4	21.4	10.8	4.33	1.27	
80	47.5	49.7	49.1	47.8	46.7	44.5	40.4	36.5	33.0	28.7	23.4	18.6	14.2	10.8	7.10	4.05	2.77	1.27	
90	0.80	0.83	0.85	0.86	0.85	0.84	0.88	0.92	0.95	0.98	0.98	0.99	1.05	1.11	1.09	1.08	1.18	1.27	
100	1.76	1.73	1.70	1.67	1.62	1.56	1.50	1.44	1.36	1.28	1.20	1.12	1.02	0.94	0.87	0.85	1.04	1.27	
110	3.42	3.33	3.22	3.10	2.94	2.78	2.61	2.43	2.22	2.01	1.81	1.61	1.41	1.23	1.06	0.92	0.91	1.27	
120	6.48	6.24	5.93	5.55	5.15	4.74	4.32	3.85	3.39	2.98	2.59	2.21	1.86	1.55	1.28	1.06	0.91	1.27	
130	11.7	11.2	10.5	9.71	8.79	7.90	6.94	5.96	5.06	4.26	3.53	2.90	2.36	1.90	1.51	1.20	0.96	1.27	
140	18.5	17.8	16.8	15.4	14.0	12.3	10.5	8.82	7.25	5.84	4.64	3.65	2.88	2.25	1.73	1.33	1.01	1.27	
150	25.5	24.6	23.4	21.8	19.8	17.4	14.8	12.3	9.75	7.57	5.81	4.45	3.39	2.57	1.95	1.45	1.06	1.27	
160	31.7	30.6	29.4	27.6	25.2	22.3	18.9	15.4	12.1	9.27	6.95	5.16	3.86	2.89	2.14	1.55	1.10	1.27	
170	37.6	35.9	34.1	32.0	29.1	25.7	21.8	17.8	14.0	10.7	7.97	5.88	4.32	3.15	2.28	1.62	1.13	1.27	
180	44.6	40.2	36.4	33.2	30.1	26.8	23.2	19.2	15.3	11.8	8.74	6.35	4.59	3.29	2.35	1.66	1.15	1.27	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

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	6924	6924	6924	6924	6924	6924	6924	6924	6924	6924
2.0	6921	6920	6921	6920	6921	6922	6926	6926	6925	6928
4.0	6930	6929	6933	6930	6929	6939	6927	6922	6919	6927
6.0	6935	6941	6949	6950	6946	6939	6927	6922	6919	6927
8.0	6914	6931	6952	6964	6961	6942	6911	6890	6876	6887
10.0	6852	6883	6921	6953	6951	6922	6865	6821	6790	6805
12.0	6742	6787	6842	6895	6898	6861	6779	6712	6661	6676
14.0	6587	6643	6705	6773	6779	6740	6637	6557	6486	6494
16.0	6381	6442	6500	6575	6574	6539	6429	6345	6256	6255
18.0	6117	6178	6222	6293	6285	6255	6143	6064	5964	5954
20.0	5780	5844	5871	5930	5912	5891	5783	5712	5609	5588
22.0	5382	5445	5459	5508	5478	5463	5361	5305	5201	5173
24.0	4938	5002	5009	5053	5017	5005	4910	4861	4754	4725
26.0	4468	4534	4544	4588	4553	4540	4448	4400	4291	4264
28.0	3997	4070	4086	4138	4105	4091	3997	3947	3833	3810
30.0	3545	3619	3647	3708	3681	3668	3567	3508	3395	3377
32.0	3119	3196	3231	3300	3283	3270	3167	3100	2988	2969
34.0	2732	2822	2846	2920	2908	2896	2794	2742	2619	2613
36.0	2377	2448	2493	2574	2556	2556	2451	2385	2280	2256
38.0	2056	2126	2166	2228	2227	2217	2132	2070	1971	1949
40.0	1769	1834	1869	1927	1923	1918	1843	1787	1699	1680
42.0	1517	1575	1610	1657	1653	1650	1588	1539	1462	1443
44.0	1304	1354	1384	1424	1423	1419	1370	1326	1261	1243
46.0	1139	1166	1192	1228	1224	1222	1182	1147	1106	1078
48.0	974.6	1012	1048	1065	1074	1061	1041	998.6	952.1	940.8
50.0	853.8	884.4	904.0	929.4	923.7	925.1	900.4	877.4	838.7	829.4
52.0	755.6	780.1	795.6	816.4	809.4	813.6	793.9	776.6	746.7	739.0
54.0	674.5	693.2	704.4	722.0	714.0	720.4	704.6	692.3	670.7	664.0
56.0	604.8	620.0	627.7	641.3	633.2	639.9	629.0	621.2	604.0	597.8
58.0	542.2	556.0	560.6	571.5	562.8	570.7	563.4	557.5	542.6	537.0
60.0	481.6	497.0	502.1	511.9	502.3	511.3	506.0	497.8	480.2	474.0
62.0	419.0	434.9	444.5	458.8	449.6	458.3	451.2	436.9	416.6	409.9
64.0	366.8	380.6	388.6	410.7	402.8	411.0	398.6	380.1	363.4	357.5
66.0	319.7	333.1	341.0	366.8	359.6	366.3	351.0	331.7	315.2	309.3
68.0	278.2	290.4	297.5	326.5	317.5	324.9	307.7	287.1	273.0	267.9
70.0	241.0	253.0	258.8	287.5	276.3	284.0	266.0	244.9	232.0	226.0
72.0	204.0	215.5	221.7	246.6	234.3	240.3	226.6	202.7	190.7	184.2
74.0	164.4	173.3	180.8	205.6	193.3	196.6	180.8	164.9	155.2	150.2
76.0	131.6	139.0	143.0	157.1	151.8	152.1	140.7	130.7	123.4	118.4
78.0	102.2	107.4	111.5	117.0	114.6	112.5	107.9	99.60	91.53	88.39
80.0	72.74	79.37	80.12	83.24	77.53	78.55	75.08	72.01	65.23	62.29
82.0	48.96	55.00	54.38	54.97	52.14	52.06	49.60	48.28	42.83	40.18
84.0	28.79	33.54	32.61	33.34	31.78	31.49	28.63	28.01	24.07	22.36
86.0	14.10	16.76	16.18	16.74	15.61	15.55	13.66	13.25	10.70	9.960
88.0	5.191	6.301	5.804	5.912	5.209	5.239	4.254	4.255	3.116	2.789
90.0	1.270	1.426	1.378	1.371	1.291	1.217	1.058	1.039	0.9047	0.8346
92.0	0.9180	0.9203	0.9201	0.9226	0.9314	0.9228	0.8864	0.8806	0.8739	0.8823
94.0	1.061	1.043	1.053	1.052	1.056	1.041	1.041	1.023	1.033	1.036
96.0	1.235	1.214	1.223	1.223	1.237	1.219	1.221	1.201	1.213	1.217
98.0	1.434	1.409	1.418	1.418	1.429	1.417	1.412	1.396	1.403	1.414
100.0	1.659	1.630	1.640	1.637	1.651	1.641	1.641	1.614	1.630	1.639
102.0	1.913	1.875	1.893	1.888	1.904	1.889	1.898	1.860	1.882	1.892
104.0	2.198	2.158	2.174	2.164	2.189	2.170	2.180	2.141	2.168	2.181
106.0	2.517	2.470	2.488	2.484	2.510	2.488	2.496	2.454	2.493	2.512
108.0	2.877	2.825	2.844	2.839	2.867	2.846	2.864	2.818	2.866	2.884
110.0	3.290	3.229	3.248	3.237	3.281	3.251	3.279	3.232	3.291	3.313
112.0	3.756	3.681	3.707	3.698	3.750	3.718	3.749	3.692	3.773	3.796
114.0	4.292	4.204	4.238	4.224	4.279	4.249	4.285	4.230	4.329	4.364
116.0	4.904	4.803	4.847	4.825	4.891	4.855	4.897	4.845	4.975	5.010
118.0	5.585	5.479	5.520	5.492	5.565	5.533	5.581	5.530	5.683	5.740
120.0	6.360	6.252	6.291	6.263	6.339	6.310	6.350	6.334	6.486	6.571
122.0	7.237	7.127	7.161	7.137	7.209	7.182	7.228	7.223	7.397	7.485
124.0	8.210	8.095	8.131	8.090	8.171	8.141	8.201	8.206	8.395	8.484
126.0	9.300	9.159	9.207	9.151	9.240	9.187	9.277	9.286	9.491	9.589
128.0	10.48	10.32	10.36	10.31	10.40	10.34	10.46	10.47	10.69	10.78
130.0	11.77	11.59	11.64	11.58	11.68	11.60	11.73	11.76	11.98	12.07
132.0	13.15	12.98	13.03	12.95	13.05	12.96	13.12	13.13	13.37	13.47
134.0	14.60	14.42	14.48	14.39	14.49	14.40	14.57	14.58	14.85	14.95
136.0	16.11	15.93	16.00	15.90	16.00	15.91	16.09	16.10	16.37	16.49
138.0	17.68	17.50	17.58	17.47	17.57	17.47	17.65	17.67	17.96	18.11
140.0	19.26	19.11	19.19	19.08	19.18	19.06	19.27	19.29	19.61	19.81
142.0	20.85	20.72	20.82	20.72	20.79	20.68	20.91	20.93	21.31	21.53
144.0	22.44	22.34	22.45	22.35	22.41	22.31	22.56	22.61	23.02	23.26
146.0	23.98	23.93	24.06	23.97	24.02	23.95	24.21	24.28	24.72	24.95

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

Photometric Data Table [cd]

148.0	25.48	25.48	25.63	25.58	25.64	25.57	25.84	25.95	26.39	26.63
150.0	26.87	26.95	27.13	27.12	27.19	27.16	27.39	27.58	28.03	28.25
152.0	28.20	28.37	28.59	28.62	28.71	28.70	28.85	29.16	29.59	29.79
154.0	29.50	29.75	30.03	30.07	30.18	30.19	30.22	30.68	31.08	31.27
156.0	30.76	31.07	31.42	31.46	31.59	31.61	31.56	32.15	32.51	32.67
158.0	32.00	32.36	32.77	32.82	32.95	32.96	32.86	33.56	33.86	33.97
160.0	33.23	33.67	34.08	34.14	34.22	34.28	34.11	34.89	35.14	35.22
162.0	34.45	34.98	35.40	35.42	35.50	35.59	35.32	36.18	36.37	36.40
164.0	35.75	36.37	36.74	36.74	36.79	36.83	36.48	37.35	37.49	37.42
166.0	37.12	37.81	38.13	38.03	38.05	38.03	37.65	38.47	38.44	38.38
168.0	38.62	39.31	39.54	39.35	39.32	39.26	38.81	39.58	39.55	39.51
170.0	40.27	40.88	40.98	40.65	40.57	40.43	39.91	40.57	40.48	40.36
172.0	42.04	42.45	42.36	41.92	41.76	41.55	40.91	41.44	41.22	41.14
174.0	43.89	44.03	43.50	43.07	42.85	42.46	41.75	42.13	41.92	41.86
176.0	45.41	45.22	44.47	44.13	43.70	43.23	42.41	42.77	42.54	42.50
178.0	46.34	45.94	45.14	44.85	44.31	43.83	43.06	43.33	43.09	43.06
180.0	46.84	46.15	45.61	45.19	44.55	44.10	43.38	43.56	43.32	43.30
G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	6924	6924	6924	6924	6924	6924	6924	6924	6924	6924
2.0	6927	6928	6928	6930	6929	6930	6931	6933	6932	6931
4.0	6937	6938	6937	6934	6930	6925	6922	6928	6925	6923
6.0	6935	6943	6941	6934	6916	6900	6883	6887	6883	6881
8.0	6905	6924	6927	6917	6881	6846	6809	6804	6798	6797
10.0	6829	6866	6871	6859	6806	6753	6694	6678	6669	6667
12.0	6700	6746	6752	6743	6674	6610	6535	6511	6497	6492
14.0	6509	6559	6558	6549	6468	6404	6317	6291	6271	6259
16.0	6251	6293	6278	6266	6181	6121	6033	6009	5985	5962
18.0	5926	5952	5916	5901	5818	5768	5679	5661	5630	5599
20.0	5538	5552	5493	5479	5386	5355	5267	5257	5218	5182
22.0	5107	5110	5044	5020	4934	4903	4819	4809	4772	4729
24.0	4656	4653	4586	4565	4478	4446	4359	4347	4305	4265
26.0	4196	4199	4135	4119	4036	3999	3907	3888	3846	3808
28.0	3749	3764	3709	3697	3616	3574	3474	3449	3404	3374
30.0	3325	3349	3309	3299	3220	3173	3070	3038	2993	2971
32.0	2927	2960	2927	2923	2845	2809	2693	2674	2631	2599
34.0	2564	2609	2569	2579	2493	2445	2350	2310	2270	2259
36.0	2229	2258	2236	2235	2170	2124	2038	1996	1958	1948
38.0	1927	1954	1930	1933	1873	1833	1754	1715	1680	1672
40.0	1659	1683	1662	1661	1609	1575	1506	1473	1441	1436
42.0	1426	1447	1429	1426	1383	1355	1293	1266	1237	1236
44.0	1229	1248	1232	1227	1195	1169	1132	1093	1069	1081
46.0	1080	1082	1082	1062	1049	1016	971.2	950.4	929.5	927.7
48.0	931.7	944.5	933.0	926.5	905.1	890.8	851.8	833.5	815.3	813.3
50.0	821.6	833.4	821.2	814.2	796.0	786.2	753.3	738.4	722.0	719.3
52.0	730.8	739.3	728.5	718.3	705.2	697.9	671.0	659.2	645.7	641.2
54.0	654.9	658.8	649.0	637.4	626.8	621.7	599.8	592.7	581.0	574.6
56.0	588.6	590.1	580.7	567.8	559.3	555.5	538.6	533.9	522.5	516.0
58.0	528.6	530.4	520.5	506.6	499.9	497.7	481.3	474.6	462.9	458.4
60.0	468.6	473.8	467.9	453.3	448.1	444.3	423.4	414.3	402.2	399.1
62.0	406.9	417.3	418.7	405.4	402.1	394.7	369.9	362.1	351.4	348.8
64.0	355.1	363.1	372.9	361.5	359.5	348.8	323.7	316.0	305.5	303.7
66.0	308.6	315.3	330.7	320.0	319.3	307.0	281.9	274.7	264.8	262.8
68.0	264.7	272.9	289.1	280.4	279.7	266.9	242.3	234.2	224.4	224.8
70.0	225.1	231.3	248.8	237.1	238.7	225.0	203.0	193.8	184.1	185.5
72.0	183.5	189.7	207.4	193.8	193.7	183.2	165.1	160.2	151.8	152.0
74.0	147.9	150.3	157.4	151.7	149.5	142.7	131.5	127.4	120.6	120.6
76.0	116.8	116.8	120.1	111.4	113.1	107.6	102.1	97.04	90.64	89.18
78.0	85.73	86.69	82.86	79.81	76.79	77.52	72.71	70.32	64.36	63.92
80.0	60.40	60.53	56.08	54.60	51.45	51.29	48.58	47.39	42.07	41.81
82.0	38.43	38.14	34.81	34.00	31.20	30.59	28.33	27.98	23.83	23.63
84.0	20.66	20.67	18.06	17.53	15.31	15.05	13.42	13.35	10.94	10.56
86.0	8.656	8.614	6.745	6.397	5.308	5.198	4.494	4.507	3.442	3.065
88.0	2.207	2.104	1.549	1.519	1.364	1.330	1.224	1.228	0.9502	0.9516
90.0	0.8691	0.9017	0.9013	0.9621	0.9751	0.9665	0.9837	0.9819	0.8556	0.8915
92.0	0.9129	0.9456	1.003	1.043	1.087	1.097	1.118	1.122	0.9963	1.032
94.0	1.075	1.116	1.181	1.221	1.268	1.283	1.306	1.308	1.180	1.223
96.0	1.264	1.305	1.366	1.416	1.467	1.481	1.507	1.518	1.388	1.429
98.0	1.458	1.503	1.584	1.636	1.699	1.716	1.749	1.752	1.613	1.664
100.0	1.688	1.739	1.831	1.888	1.955	1.976	2.017	2.018	1.866	1.923
102.0	1.953	2.000	2.103	2.165	2.246	2.267	2.313	2.320	2.154	2.213
104.0	2.249	2.288	2.415	2.481	2.579	2.602	2.652	2.657	2.464	2.528
106.0	2.581	2.625	2.762	2.844	2.949	2.976	3.040	3.039	2.811	2.890
108.0	2.965	3.014	3.157	3.250	3.372	3.397	3.471	3.475	3.213	3.288
110.0	3.411	3.455	3.617	3.715	3.854	3.882	3.971	3.972	3.658	3.747

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25±1°CDEG

Operators: Fabián Loaiza

Test Date: 2025/03/31

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10

Humidity: MAX: 53.7-MIN: 42.6%

Test Distance: 7.080m [K=1.0000]

Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED

Driver 100W 1.1A 0-10V INT-YSXT SS

MOD FF BOARD 2X8/740 5050 DA_UHE

LENTE: P02

Photometric Data Table [cd]

112.0	3.915	3.957	4.141	4.246	4.398	4.435	4.536	4.536	4.178	4.274
114.0	4.486	4.532	4.737	4.848	5.021	5.068	5.181	5.184	4.762	4.872
116.0	5.140	5.194	5.413	5.523	5.717	5.771	5.894	5.906	5.423	5.540
118.0	5.870	5.937	6.156	6.296	6.502	6.571	6.711	6.730	6.176	6.293
120.0	6.697	6.780	7.012	7.164	7.387	7.462	7.619	7.644	7.037	7.154
122.0	7.620	7.703	7.965	8.119	8.365	8.443	8.632	8.668	7.992	8.130
124.0	8.636	8.735	9.011	9.176	9.441	9.533	9.742	9.775	9.084	9.223
126.0	9.747	9.854	10.15	10.32	10.61	10.70	10.95	11.00	10.27	10.43
128.0	10.96	11.08	11.40	11.59	11.89	12.00	12.27	12.33	11.59	11.74
130.0	12.25	12.39	12.73	12.95	13.25	13.37	13.67	13.75	13.01	13.17
132.0	13.64	13.78	14.15	14.38	14.72	14.82	15.15	15.24	14.53	14.65
134.0	15.12	15.25	15.63	15.88	16.23	16.35	16.68	16.77	16.13	16.23
136.0	16.67	16.75	17.18	17.43	17.79	17.91	18.25	18.35	17.79	17.84
138.0	18.27	18.32	18.77	19.01	19.38	19.52	19.85	19.96	19.50	19.52
140.0	19.93	19.94	20.37	20.61	20.98	21.13	21.47	21.57	21.22	21.21
142.0	21.60	21.58	22.11	22.21	22.57	22.71	23.08	23.19	22.94	22.88
144.0	23.30	23.21	23.60	23.81	24.16	24.31	24.66	24.76	24.62	24.53
146.0	24.97	24.84	25.18	25.38	25.73	25.85	26.16	26.26	26.24	26.09
148.0	26.62	26.44	26.73	26.87	27.24	27.35	27.61	27.68	27.76	27.55
150.0	28.21	28.01	28.22	28.31	28.69	28.78	29.00	29.01	29.21	28.93
152.0	29.75	29.50	29.65	29.67	29.99	30.12	30.31	30.27	30.58	30.24
154.0	31.20	30.91	30.99	30.94	31.20	31.34	31.50	31.44	31.87	31.45
156.0	32.57	32.24	32.24	32.13	32.29	32.39	32.54	32.47	33.15	32.57
158.0	33.86	33.51	33.43	33.26	33.31	33.38	33.50	33.41	34.33	33.68
160.0	35.10	34.70	34.55	34.34	34.31	34.33	34.44	34.37	35.55	34.83
162.0	36.25	35.84	35.64	35.44	35.34	35.31	35.42	35.32	36.78	35.97
164.0	37.28	36.90	36.69	36.53	36.40	36.34	36.44	36.32	37.96	37.08
166.0	38.34	37.98	37.82	37.64	37.52	37.44	37.52	37.41	39.40	38.45
168.0	39.36	39.08	38.91	38.75	38.69	38.60	38.64	38.58	40.89	39.91
170.0	40.25	40.01	39.93	39.89	39.91	39.83	39.87	39.88	42.42	41.37
172.0	41.07	40.91	40.93	41.02	41.10	41.07	41.12	41.28	44.09	42.96
174.0	41.83	41.75	41.86	42.05	42.17	42.23	42.36	42.68	45.62	44.48
176.0	42.49	42.52	42.73	42.93	43.06	43.23	43.40	43.83	46.50	45.51
178.0	43.09	43.16	43.40	43.60	43.72	43.87	44.03	44.55	46.83	45.94
180.0	43.32	43.43	43.64	43.80	43.90	44.08	44.29	44.89	46.85	46.16
G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	6924	6924	6924	6924	6924	6924	6924	6924	6924	6924
2.0	6931	6931	6929	6933	6933	6932	6930	6929	6927	6924
4.0	6929	6933	6938	6944	6945	6945	6936	6929	6924	6920
6.0	6898	6914	6934	6946	6949	6942	6923	6907	6901	6894
8.0	6832	6862	6898	6918	6923	6903	6875	6845	6837	6837
10.0	6719	6761	6812	6835	6843	6809	6775	6735	6732	6745
12.0	6552	6597	6660	6694	6694	6652	6616	6575	6584	6611
14.0	6320	6360	6425	6444	6466	6426	6404	6366	6392	6428
16.0	6019	6046	6107	6123	6158	6127	6127	6102	6144	6184
18.0	5649	5662	5717	5729	5778	5757	5786	5771	5832	5873
20.0	5224	5228	5282	5288	5344	5338	5382	5384	5458	5496
22.0	4773	4771	4822	4826	4887	4885	4940	4943	5028	5065
24.0	4313	4315	4367	4369	4429	4421	4474	4481	4572	4614
26.0	3865	3878	3934	3936	3986	3972	4019	4019	4112	4155
28.0	3439	3462	3524	3525	3564	3538	3573	3568	3659	3710
30.0	3039	3069	3135	3137	3168	3130	3153	3145	3235	3292
32.0	2680	2699	2774	2765	2802	2751	2779	2757	2843	2900
34.0	2322	2352	2414	2416	2437	2397	2406	2394	2470	2536
36.0	2010	2036	2092	2094	2112	2076	2079	2067	2143	2204
38.0	1729	1752	1801	1801	1817	1786	1787	1774	1844	1900
40.0	1485	1505	1544	1543	1558	1529	1529	1519	1580	1633
42.0	1276	1295	1324	1324	1337	1311	1310	1303	1356	1401
44.0	1101	1131	1140	1153	1150	1144	1128	1135	1165	1204
46.0	956.1	968.6	985.7	983.0	994.2	976.6	975.4	967.4	1006	1054
48.0	838.7	846.1	858.5	855.9	866.5	851.6	850.2	843.4	876.7	903.9
50.0	737.3	744.6	751.5	749.0	759.2	747.3	747.0	740.0	767.9	791.3
52.0	653.8	658.5	662.1	658.7	669.2	659.6	660.7	655.7	678.9	697.0
54.0	582.6	584.5	585.1	582.1	593.2	585.8	589.2	585.1	604.2	617.0
56.0	521.0	520.9	518.6	516.6	527.3	521.8	526.3	524.5	539.1	548.8
58.0	465.4	465.1	460.8	459.4	469.5	464.0	468.5	465.2	480.8	488.8
60.0	409.8	415.1	409.9	408.5	418.3	403.5	401.6	397.8	418.0	431.4
62.0	356.6	369.1	364.7	363.2	368.0	345.2	344.9	342.3	357.8	371.5
64.0	311.7	326.4	323.4	320.8	321.7	297.1	296.7	293.9	308.8	320.2
66.0	270.7	287.2	283.9	279.6	279.4	254.4	256.5	251.7	265.7	275.8
68.0	231.1	249.0	242.7	240.1	240.1	217.9	216.5	215.2	229.1	236.5
70.0	191.5	209.3	201.5	199.9	200.9	184.1	183.6	182.2	192.6	201.6
72.0	154.2	165.5	161.0	161.3	164.6	151.5	152.2	152.4	160.9	168.0
74.0	121.4	123.7	121.7	125.1	128.2	121.2	121.5	122.3	129.8	135.9

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02

Photometric Data Table [cd]

76.0	91.46	89.94	89.66	90.31	95.66	90.89	92.70	92.20	100.4	106.7
78.0	65.30	62.86	63.77	63.35	67.24	65.72	67.32	66.77	74.21	77.57
80.0	42.60	40.97	42.08	41.64	43.86	43.56	45.27	44.54	51.13	53.78
82.0	24.20	23.25	24.37	23.85	25.45	25.40	26.82	26.39	31.20	33.43
84.0	10.98	10.24	10.89	10.89	12.34	12.38	13.36	13.32	16.38	17.93
86.0	3.309	2.947	3.345	3.222	3.836	4.033	4.718	4.833	6.479	7.392
88.0	0.9939	0.9730	0.9893	0.9573	0.9565	1.003	1.094	1.066	1.507	1.708
90.0	0.9084	0.9382	0.9397	0.9339	0.8708	0.8477	0.7946	0.7766	0.8311	0.8633
92.0	1.051	1.083	1.085	1.085	1.043	1.012	0.9507	0.9283	0.9105	0.9249
94.0	1.246	1.276	1.282	1.278	1.233	1.199	1.138	1.116	1.086	1.096
96.0	1.449	1.492	1.483	1.484	1.435	1.400	1.343	1.313	1.289	1.293
98.0	1.683	1.728	1.725	1.723	1.672	1.631	1.569	1.542	1.504	1.504
100.0	1.949	1.992	1.984	1.981	1.927	1.886	1.820	1.789	1.743	1.744
102.0	2.233	2.286	2.271	2.270	2.209	2.168	2.088	2.061	2.007	2.005
104.0	2.554	2.608	2.592	2.585	2.514	2.472	2.391	2.361	2.298	2.288
106.0	2.909	2.963	2.947	2.935	2.851	2.809	2.727	2.697	2.620	2.606
108.0	3.314	3.373	3.346	3.329	3.229	3.191	3.104	3.078	2.983	2.956
110.0	3.770	3.833	3.802	3.780	3.665	3.615	3.531	3.495	3.391	3.346
112.0	4.297	4.368	4.320	4.294	4.158	4.109	4.018	3.978	3.859	3.801
114.0	4.885	4.965	4.910	4.877	4.718	4.673	4.578	4.530	4.388	4.313
116.0	5.546	5.627	5.562	5.526	5.347	5.315	5.206	5.152	4.994	4.899
118.0	6.308	6.391	6.320	6.253	6.062	6.030	5.913	5.845	5.672	5.557
120.0	7.168	7.243	7.159	7.081	6.875	6.842	6.720	6.628	6.457	6.309
122.0	8.124	8.196	8.086	7.992	7.767	7.749	7.615	7.513	7.327	7.167
124.0	9.199	9.252	9.125	9.003	8.770	8.757	8.605	8.506	8.296	8.127
126.0	10.37	10.41	10.24	10.09	9.835	9.844	9.668	9.576	9.343	9.167
128.0	11.65	11.66	11.47	11.30	11.01	11.02	10.84	10.74	10.47	10.29
130.0	13.04	13.04	12.77	12.59	12.25	12.25	12.10	11.98	11.70	11.51
132.0	14.49	14.48	14.16	13.95	13.58	13.56	13.43	13.28	12.99	12.81
134.0	16.03	15.96	15.61	15.38	14.96	14.94	14.81	14.66	14.34	14.16
136.0	17.63	17.51	17.12	16.84	16.41	16.34	16.25	16.07	15.72	15.56
138.0	19.25	19.08	18.63	18.33	17.86	17.77	17.70	17.52	17.17	16.99
140.0	20.89	20.65	20.15	19.85	19.34	19.24	19.19	19.00	18.63	18.45
142.0	22.52	22.20	21.66	21.36	20.78	20.72	20.68	20.50	20.10	19.93
144.0	24.11	23.72	23.16	22.85	22.20	22.16	22.17	22.00	21.55	21.40
146.0	25.63	25.19	24.64	24.26	23.60	23.62	23.63	23.48	22.99	22.83
148.0	27.09	26.60	26.07	25.60	24.94	25.04	25.09	24.91	24.41	24.25
150.0	28.44	27.94	27.40	26.89	26.24	26.41	26.46	26.29	25.78	25.64
152.0	29.73	29.22	28.64	28.12	27.53	27.76	27.80	27.65	27.13	26.97
154.0	30.91	30.36	29.82	29.31	28.75	29.03	29.08	28.93	28.43	28.26
156.0	31.97	31.45	30.94	30.49	29.97	30.25	30.29	30.15	29.68	29.53
158.0	32.99	32.49	32.03	31.67	31.20	31.49	31.47	31.34	30.87	30.73
160.0	34.09	33.57	33.14	32.86	32.44	32.76	32.70	32.56	32.09	31.96
162.0	35.19	34.70	34.27	34.04	33.66	34.00	33.92	33.79	33.34	33.16
164.0	36.34	35.87	35.46	35.23	34.85	35.20	35.08	34.96	34.56	34.40
166.0	37.75	37.24	36.84	36.59	36.12	36.40	36.25	36.20	35.82	35.69
168.0	39.22	38.69	38.26	37.93	37.39	37.69	37.50	37.48	37.14	37.02
170.0	40.72	40.17	39.61	39.27	38.75	38.97	38.74	38.72	38.43	38.37
172.0	42.36	41.68	41.10	40.81	40.20	40.35	40.08	40.07	39.82	39.78
174.0	43.78	43.10	42.56	42.19	41.52	41.67	41.39	41.38	41.16	41.13
176.0	44.85	44.22	43.54	43.17	42.49	42.65	42.42	42.45	42.27	42.23
178.0	45.46	44.92	44.21	43.81	43.12	43.28	43.04	43.06	43.05	43.08
180.0	45.61	45.21	44.55	44.10	43.38	43.56	43.31	43.31	43.32	43.44
G/C	300.0	310.0	320.0	330.0	340.0	350.0				
0.0	6924	6924	6924	6924	6924	6924				
2.0	6921	6921	6919	6920	6919	6920				
4.0	6916	6921	6920	6924	6924	6927				
6.0	6903	6916	6926	6934	6936	6935				
8.0	6866	6899	6923	6936	6933	6919				
10.0	6801	6855	6897	6908	6895	6862				
12.0	6694	6765	6822	6827	6805	6755				
14.0	6527	6608	6677	6676	6654	6597				
16.0	6295	6372	6449	6450	6436	6383				
18.0	5982	6051	6133	6139	6146	6103				
20.0	5598	5663	5745	5754	5785	5753				
22.0	5174	5223	5310	5318	5365	5344				
24.0	4719	4763	4843	4856	4907	4892				
26.0	4265	4310	4383	4394	4443	4424				
28.0	3825	3874	3949	3952	3986	3957				
30.0	3413	3463	3534	3528	3550	3508				
32.0	3021	3073	3144	3129	3141	3091				
34.0	2666	2707	2782	2753	2772	2708				
36.0	2312	2364	2422	2404	2403	2358				
38.0	1998	2045	2098	2081	2084	2039				

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature: 25±1°CDEG

Operators: Fabián Loaiza

Test Date: 2025/03/31

γ Range: 0 - 180DEG

γ Interval: 2.0DEG

Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10

Humidity: MAX: 53.7-MIN: 42.6%

Test Distance: 7.080m [K=1.0000]

Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED

Driver 100W 1.1A 0-10V INT-YSXT SS

MOD FF BOARD 2X8/740 5050 DA_UHE

LENTE: P02

Photometric Data Table [cd]

40.0	1719	1759	1806	1793	1795	1754
42.0	1477	1509	1549	1539	1540	1504
44.0	1267	1295	1328	1321	1322	1292
46.0	1093	1130	1143	1154	1139	1129
48.0	950.4	965.0	989.4	987.1	988.2	967.3
50.0	828.1	840.4	861.9	862.1	863.1	846.7
52.0	728.2	736.7	755.7	758.3	760.0	747.8
54.0	643.2	648.7	666.5	671.0	673.9	667.2
56.0	569.5	573.7	589.6	596.2	601.1	597.9
58.0	506.5	508.1	523.0	531.7	537.7	536.5
60.0	451.6	450.8	465.5	474.4	479.9	477.0
62.0	402.1	401.2	415.3	423.2	421.1	415.1
64.0	353.4	357.5	370.7	375.1	367.4	363.6
66.0	309.0	315.4	328.9	331.7	321.5	316.9
68.0	268.2	273.6	289.6	290.8	279.1	275.7
70.0	229.8	232.8	247.6	252.2	242.2	238.9
72.0	191.4	191.5	205.6	214.5	205.2	202.4
74.0	154.3	153.7	163.8	172.0	164.2	162.9
76.0	117.8	120.5	125.3	129.3	129.8	129.1
78.0	86.30	87.33	91.46	94.89	99.00	97.91
80.0	59.24	60.79	65.13	67.08	71.83	70.94
82.0	37.33	39.38	43.00	44.17	48.12	47.92
84.0	20.84	22.06	24.98	25.67	28.24	28.23
86.0	8.964	9.465	11.14	11.71	13.47	13.47
88.0	2.311	2.594	3.324	3.567	4.538	4.509
90.0	0.8422	0.9209	0.9755	0.9896	1.106	1.081
92.0	0.9112	0.9213	0.9027	0.8744	0.8388	0.8146
94.0	1.086	1.082	1.049	1.024	0.9830	0.9524
96.0	1.281	1.271	1.235	1.213	1.157	1.135
98.0	1.479	1.477	1.439	1.407	1.359	1.330
100.0	1.722	1.713	1.670	1.633	1.573	1.549
102.0	1.979	1.975	1.919	1.891	1.818	1.790
104.0	2.258	2.256	2.195	2.167	2.093	2.059
106.0	2.569	2.565	2.505	2.468	2.391	2.361
108.0	2.909	2.911	2.851	2.813	2.724	2.691
110.0	3.301	3.306	3.226	3.196	3.099	3.073
112.0	3.743	3.753	3.665	3.628	3.521	3.493
114.0	4.253	4.265	4.166	4.130	4.003	3.973
116.0	4.829	4.852	4.736	4.697	4.558	4.525
118.0	5.475	5.498	5.374	5.334	5.178	5.148
120.0	6.211	6.236	6.103	6.041	5.885	5.844
122.0	7.038	7.062	6.928	6.859	6.689	6.649
124.0	7.958	7.986	7.844	7.787	7.593	7.566
126.0	8.969	9.007	8.862	8.818	8.613	8.592
128.0	10.07	10.12	9.974	9.950	9.735	9.739
130.0	11.28	11.33	11.20	11.19	10.99	11.00
132.0	12.55	12.64	12.51	12.55	12.34	12.37
134.0	13.90	14.02	13.90	13.97	13.78	13.83
136.0	15.33	15.48	15.39	15.45	15.32	15.38
138.0	16.80	16.96	16.92	17.01	16.91	17.00
140.0	18.32	18.49	18.48	18.62	18.56	18.66
142.0	19.83	20.02	20.05	20.25	20.22	20.35
144.0	21.34	21.57	21.62	21.88	21.89	22.06
146.0	22.83	23.10	23.19	23.49	23.55	23.75
148.0	24.28	24.62	24.72	25.06	25.18	25.38
150.0	25.66	26.04	26.23	26.58	26.74	26.95
152.0	26.99	27.41	27.70	28.04	28.26	28.48
154.0	28.27	28.71	29.06	29.47	29.70	29.93
156.0	29.53	29.94	30.32	30.76	31.06	31.34
158.0	30.77	31.15	31.52	31.96	32.31	32.63
160.0	31.98	32.32	32.66	33.14	33.50	33.86
162.0	33.17	33.48	33.77	34.24	34.62	35.05
164.0	34.35	34.64	34.87	35.32	35.72	36.18
166.0	35.66	35.86	36.07	36.48	36.89	37.40
168.0	36.98	37.18	37.35	37.74	38.14	38.66
170.0	38.35	38.51	38.64	39.01	39.41	39.93
172.0	39.79	39.99	40.02	40.40	40.79	41.33
174.0	41.19	41.43	41.47	41.74	42.15	42.73
176.0	42.32	42.53	42.61	42.87	43.26	43.88
178.0	43.19	43.34	43.41	43.65	43.95	44.59
180.0	43.64	43.82	43.90	44.08	44.28	44.89

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25±1°CDEG
Operators: Fabián Loaiza
Test Date: 2025/03/31

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.0.406.10
Humidity: MAX: 53.7-MIN: 42.6%
Test Distance: 7.080m [K=1.0000]
Remarks: ANEXO 25-0111-3-A TAYRONA I 48 LED
Driver 100W 1.1A 0-10V INT-YSXT SS
MOD FF BOARD 2X8/740 5050 DA_UHE
LENTE: P02