

**ANEXO 26-0340-1-A RALED II PLUS 48 LED RA10-RA11 (9-3) 145W**

Driver SOSEN SS-150VH-A215BE CLII/1-10V  
 MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)  
 Lentes: RA10-RA11 (9-3)



Light Output Ratio:	100.0%
Luminaire Power:	145 W
I80 = 56.1 cd per klm.	I88 = 1.8 cd per klm.
I90 = 0.0 cd per klm.	I80/I88 = 31.205

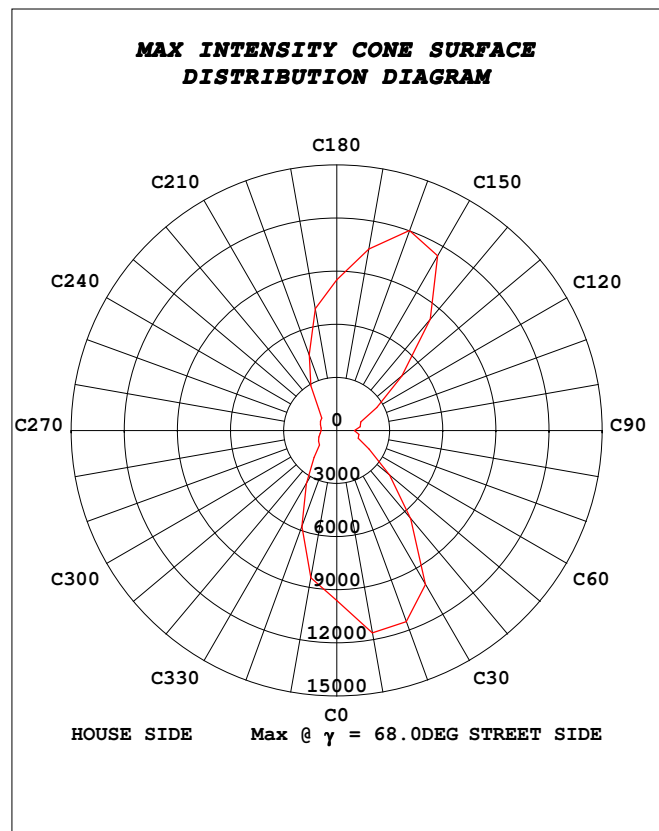
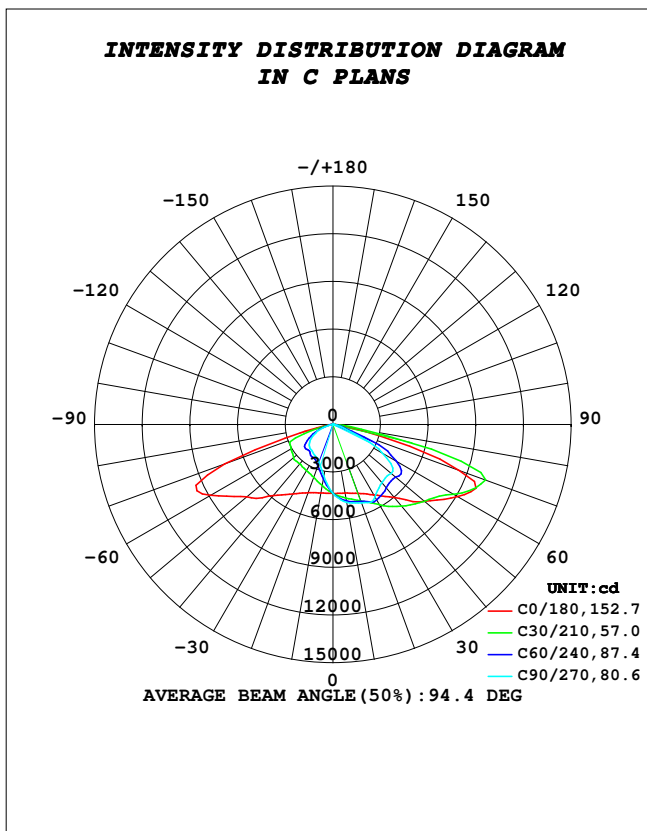
**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE: Alumbrado Publico	WEIGHT: ----
SPEC.: 48 LED 145W	DIM.: ----	SERIAL No.: 26-0340-1
MFR.: ROY ALPHA S.A	SUR.: ----	Shielding Angle: ----

DATA OF LAMP		PHOTOMETRIC DATA Eff: 151.83 lm/W			
MODEL	2X8/740 5050	Imax(cd)	12038	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	145	LOR(%)	100.0	$\eta$ street_down(%)	65.7
RATED VOLTAGE(V)	---	TOTAL FLUX(lm)	22019	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	22019.4	MAXIMUM @ (C, $\gamma$ )	160, 68.0	$\eta$ house_down(%)	34.3
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	

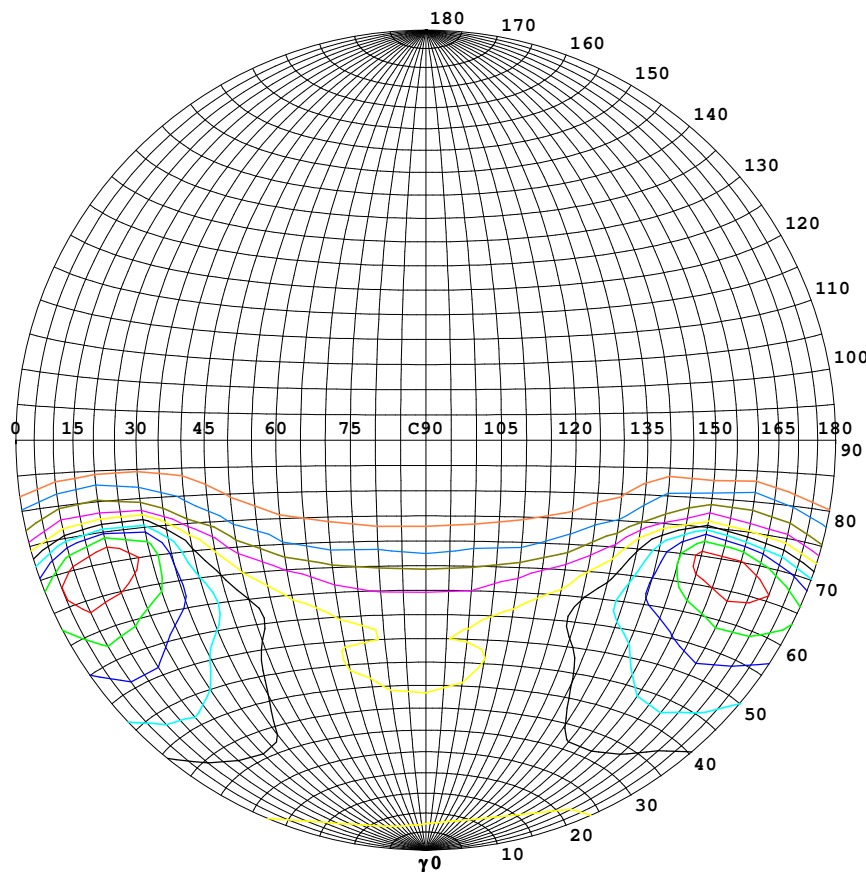


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25±1°CDEG  
Operators: Kevin Delgado  
Test Date: 2026-06-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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 26-0340-1-A RALED II PLUS 48 LED  
Driver SOSEN SS-150VH A215BE CLII/1-10V  
MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)  
Lentes: RA10-RA11 (9-3)

### STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE: Alumbrado Publico	WEIGHT: ----
SPEC.: 48 LED 145W	DIM.: ----	SERIAL No.: 26-0340-1
MFR.: ROY ALPHA S.A	SUR.: ----	Shielding Angle: ----



**Classification:**

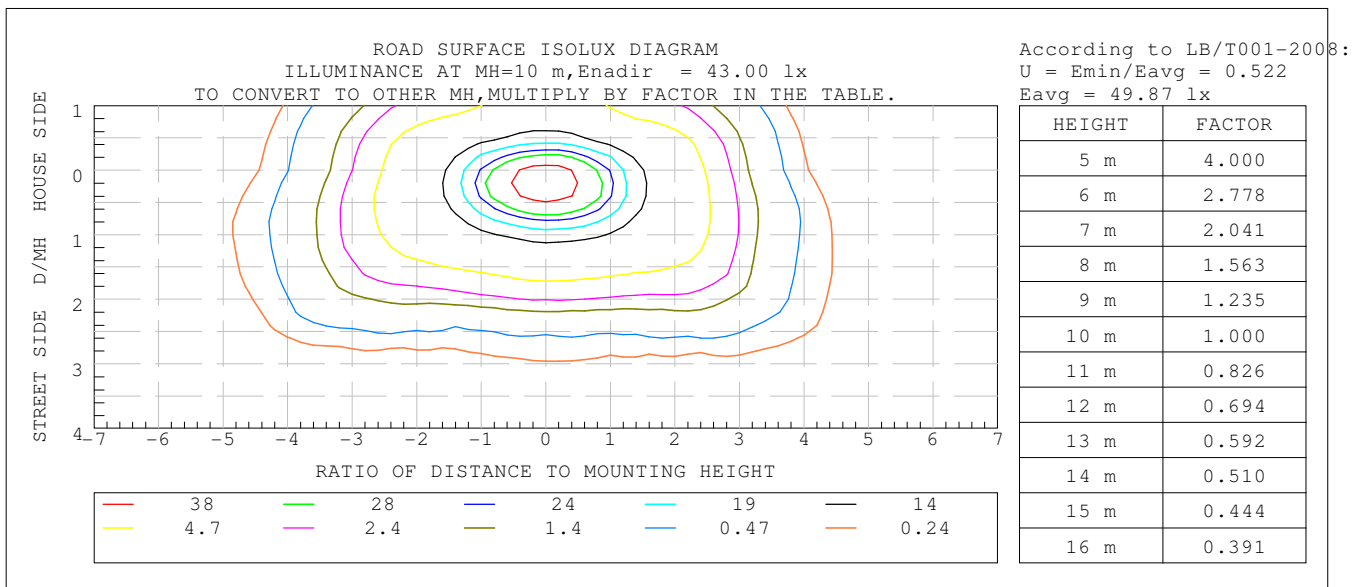
IES: Type III - Medium  
 CIE: Average - Intermediate  
 IES: Semi cut-off  
 CIE: Non-cut-off  
 Max. At 80: 113.8cd/klm  
 Max. At 90: 0cd/klm  
 Max. 80-90: 113.8cd/klm  
 NRB 5101: Limited[6.6%]

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	12038
— 90%	10834
— 80%	9630
— 70%	8427
— 60%	7223
— 50%	6019
— 40%	4815
— 30%	3611
— 20%	2408
— 10%	1204
— 5%	602

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

## COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

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**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**ZONAL FLUX DIAGRAM**

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

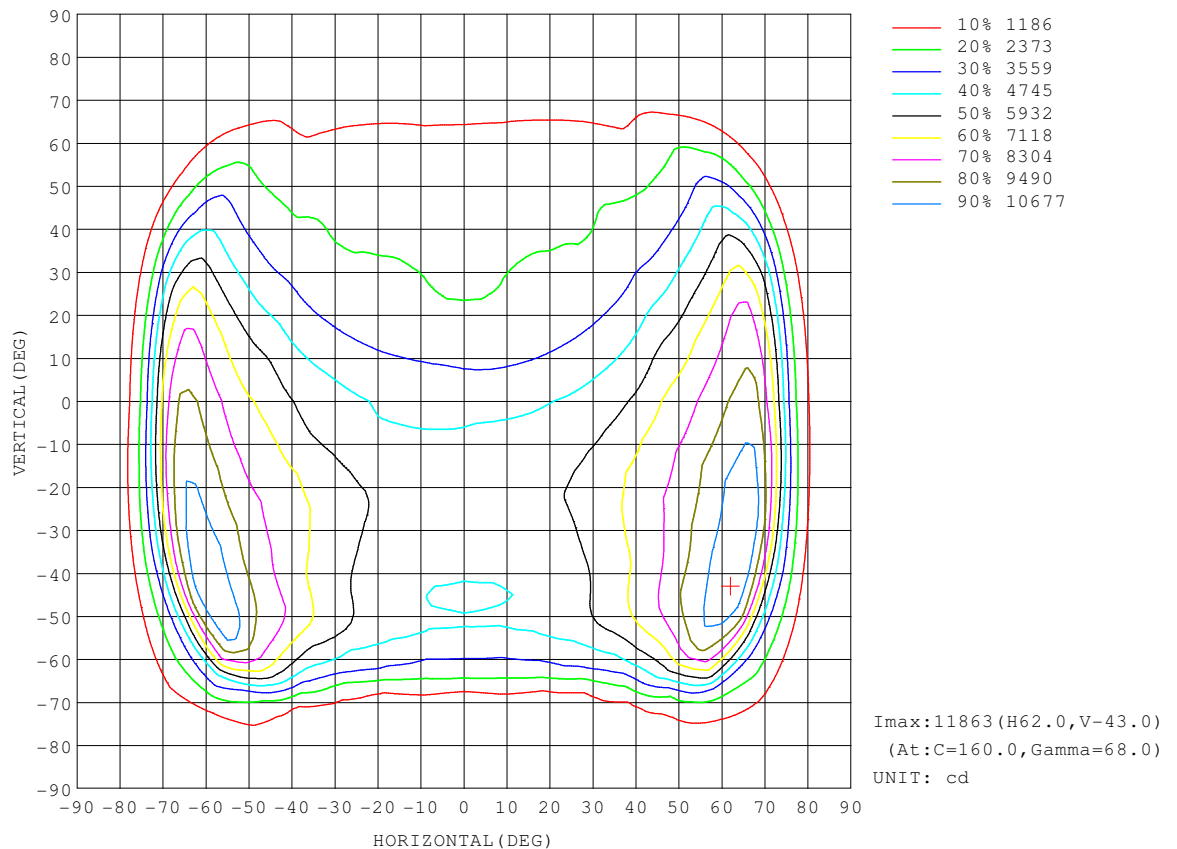
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\phi$ zone	$\phi$ total	$\phi$ lum, lamp
10	439.3	481.4	498.6	485.7	438.3	368.7	331.5	365.9	0- 10	410.1	410.1	1.86,1.86
20	462.5	515.3	525.2	529.3	458.1	311.6	254.0	315.3	10- 20	1197	1607	7.3,7.3
30	512.2	568.9	529.1	591.1	504.9	276.8	227.6	285.6	20- 30	1985	3592	16.3,16.3
40	600.9	590.2	479.5	632.2	585.2	254.2	211.7	267.9	30- 40	2801	6393	29,29
50	754.0	623.9	479.7	677.0	708.7	235.8	195.1	254.9	40- 50	3678	10071	45.7,45.7
60	907.5	673.4	353.9	763.0	892.2	195.3	148.4	218.5	50- 60	4573	14644	66.5,66.5
70	843.8	452.2	81.13	590.0	724.3	129.0	69.91	153.2	60- 70	4820	19464	88.4,88.4
80	123.6	80.60	17.19	93.24	61.83	26.11	13.07	32.62	70- 80	2333	21797	99,99
90	0	0	0	0	0	0	0	0	80- 90	222.1	22019	100,100
100	0	0	0	0	0	0	0	0	90-100	0	22019	100,100
110	0	0	0	0	0	0	0	0	100-110	0	22019	100,100
120	0	0	0	0	0	0	0	0	110-120	0	22019	100,100
130	0	0	0	0	0	0	0	0	120-130	0	22019	100,100
140	0	0	0	0	0	0	0	0	130-140	0	22019	100,100
150	0	0	0	0	0	0	0	0	140-150	0	22019	100,100
160	0	0	0	0	0	0	0	0	150-160	0	22019	100,100
170	0	0	0	0	0	0	0	0	160-170	0	22019	100,100
180	0	0	0	0	0	0	0	0	170-180	0	22019	100,100
DEG	LUMINOUS INTENSITY: $\leq 10$ cd Less than 35% Percent = 16.0 %									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25±1°CDEG  
Operators: Kevin Delgado  
Test Date: 2026-06-16

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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 26-0340-1-A RALED II PLUS 48 LED  
Driver SOSEN SS-150VH A215BE CLII/1-10V  
MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)  
Lentes: RA10-RA11 (9-3)

### ISOCANDELA DIAGRAM

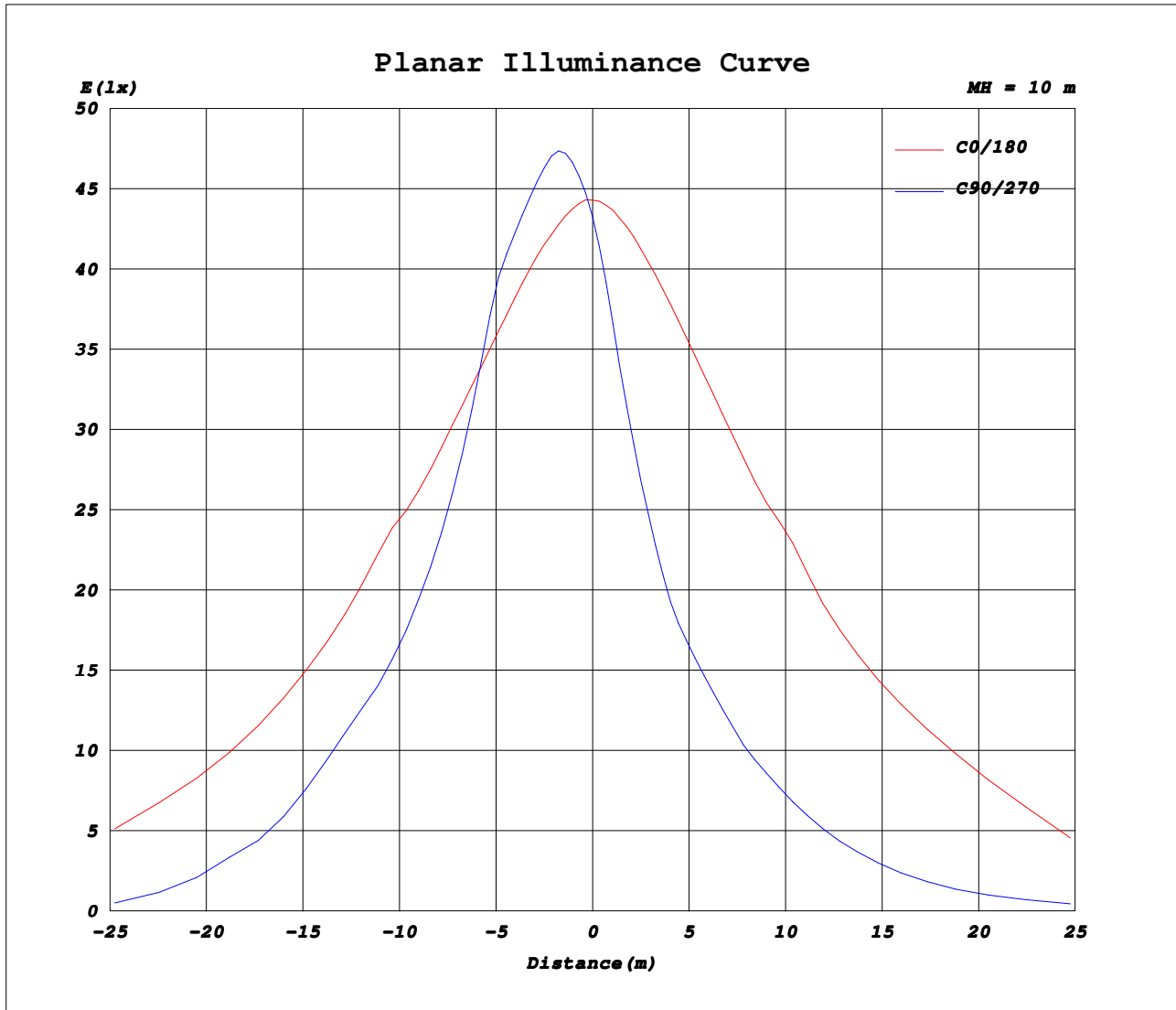
Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----



**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**γ Range: 0 - 180DEG**  
**γ Interval: 2.0DEG**  
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**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**Planar Illuminance Curve**



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**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

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**Lentes: RA10-RA11 (9-3)**

Driver SOSEN SS-150VH-A215BE CLII/1-10V  
MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)  
Lentes: RA10-RA11 (9-3)

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  
Luxómetro INME-039  
Flexómetro 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 pruebas fueron realizadas de acuerdo con la norma LM 79 de 2024.  
Tiempo de estabilización: 0:10:00"  
Tiempo de ensayo: 0:30:46"

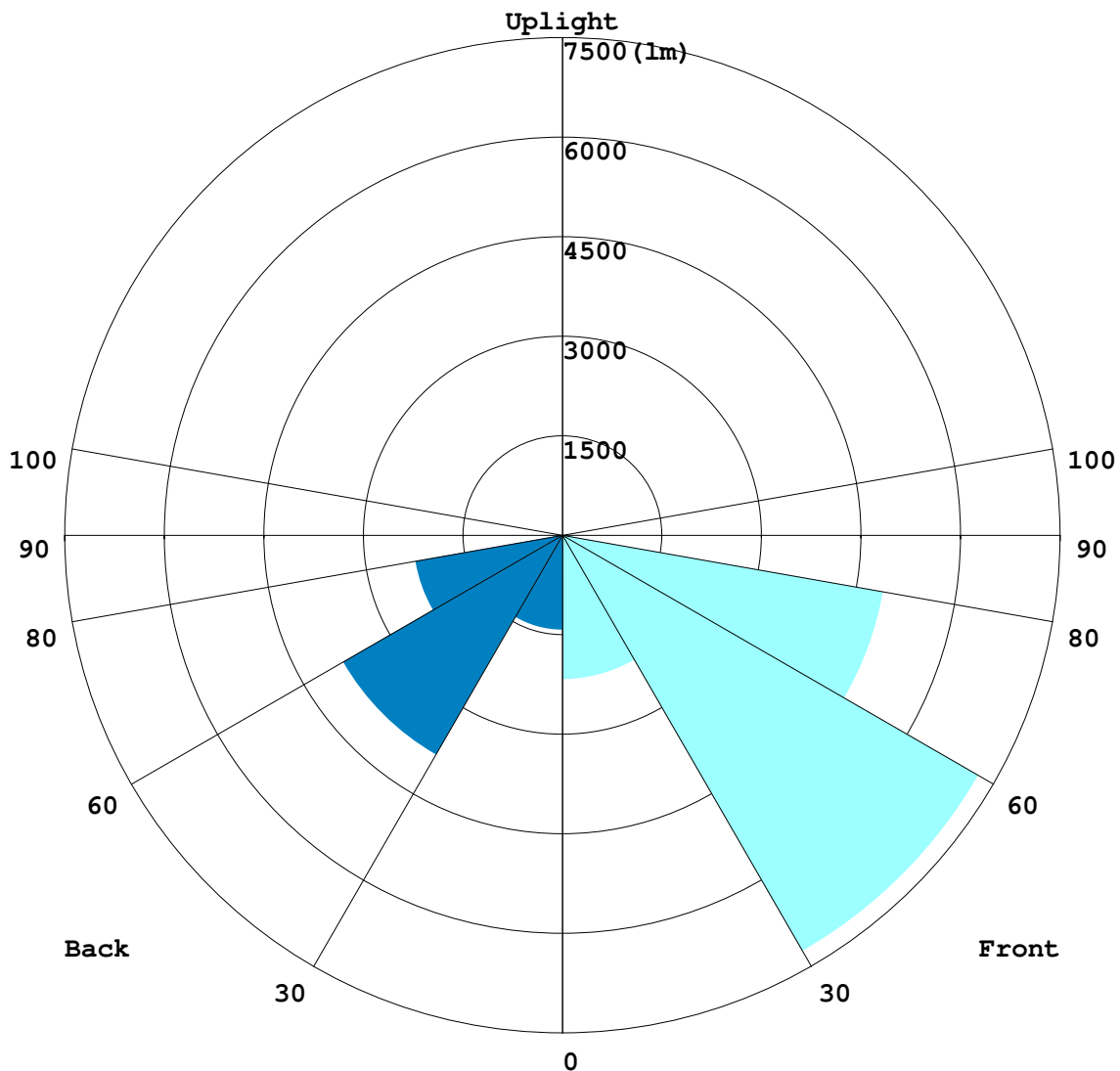
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γ Range: 0 - 180DEG  
γ Interval: 2.0DEG  
Test System: EVERFINE GO-2000H\_V1 SYSTEM V2.0.406.10  
Humidity: MAX: 54.2-MIN: 44.1%  
Test Distance: 7.080m [K=1.0000]  
Remarks: ANEXO 26-0340-1-A RALED II PLUS 48 LED  
Driver SOSEN SS-150VH A215BE CLII/1-10V  
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Lentes: RA10-RA11 (9-3)

**LCS REPORT**

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
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: 2026-06-16**

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**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**BUG REPORT**

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SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2167.7	9.8
FM - Front-Medium(30-60)	7237.7	32.9
FH - Front-High(60-80)	4904.1	22.3
FVH - Front-Very High(80-90)	165.62	0.8
Total Forward Light	14475	65.7

BL - Back-Low(0-30)	1423.9	6.5
BM - Back-Medium(30-60)	3814.5	17.3
BH - Back-High(60-80)	2249.5	10.2
BVH - Back-Very High(80-90)	56.479	0.3
Total Back Light	7544.3	34.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG (Back, Up, Glare) Rating	B3-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7544.3	0	7544.3
Street Side	14475	0	14475

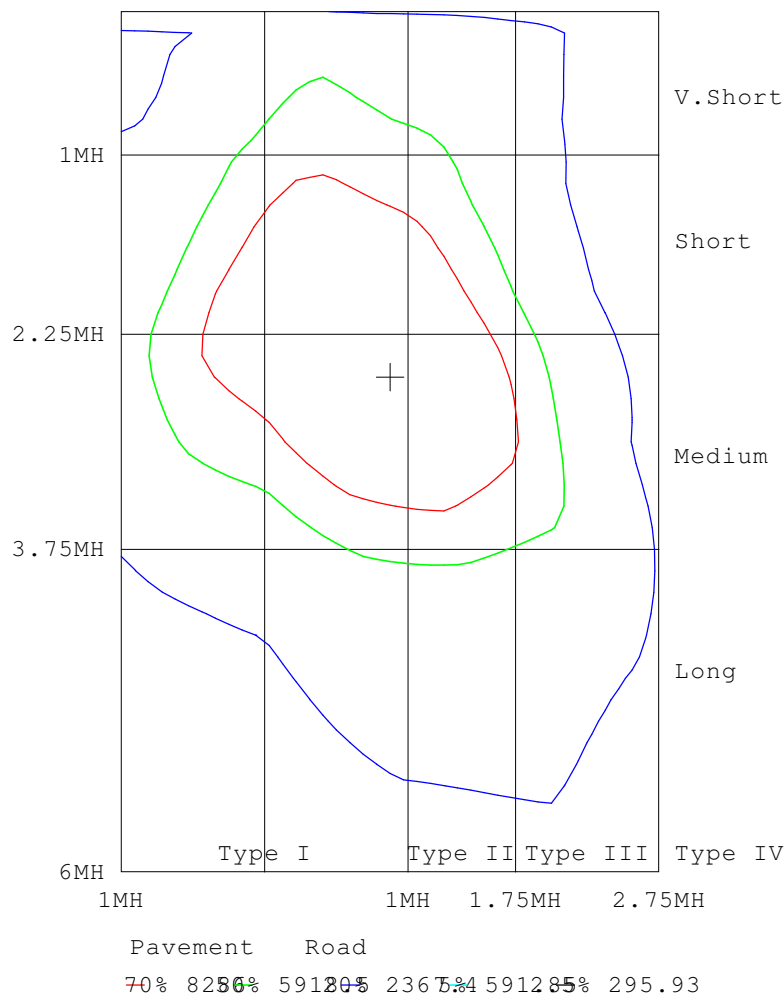
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**Lentes: RA10-RA11 (9-3)**

**ROAD ISOCANDELA REPORT**

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
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SPEC.: 48 LED 145W	DIM.: ----	SERIAL No.: 26-0340-1
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: 2026-06-16**

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**LUMINOUS DISTRIBUTION INTENSITY DATA**

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SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

Table--1

UNIT:  $\mu$ Á10cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435
5	436	440	445	448	452	456	459	461	462	464	463	462	461	458	455	451	446	440	435
10	439	451	461	470	478	485	489	494	496	499	498	496	494	490	482	473	463	451	438
15	446	461	475	485	493	499	501	505	506	510	510	511	510	507	501	490	477	461	443
20	462	483	503	513	515	516	516	520	523	525	525	525	526	529	530	521	503	483	458
25	478	504	526	535	533	529	531	535	537	540	541	540	539	545	550	546	527	502	473
30	512	547	572	582	576	561	549	535	526	529	536	552	565	585	597	594	577	543	505
35	543	586	618	623	594	560	541	513	501	504	513	537	558	592	626	643	621	579	533
40	601	661	691	671	616	564	523	490	478	479	487	512	556	603	661	701	701	647	585
45	658	732	741	703	634	570	512	478	471	473	477	500	554	613	683	739	756	720	641
50	754	810	811	752	661	586	516	486	479	480	488	510	561	637	717	797	825	788	709
55	810	880	866	787	699	608	531	483	463	467	474	513	581	670	750	841	891	861	771
60	907	997	964	878	753	594	459	385	354	354	363	414	517	680	846	932	1012	1004	892
65	966	1083	1047	954	734	497	384	306	269	252	276	339	432	588	862	1032	1124	1090	953
70	844	1096	1166	1024	607	297	127	89.2	81.2	81.1	85.8	95.4	166	391	789	1150	1117	932	724
75	503	779	948	841	388	125	70.3	60.6	51.3	50.7	55.6	64.2	76.2	164	496	831	635	513	316
80	124	206	251	183	107	54.2	31.1	21.4	17.6	17.2	18.6	25.1	37.5	55.8	131	156	174	114	61.8
85	29.3	49.7	67.3	70.1	54.0	23.3	13.3	8.43	7.00	6.44	7.36	8.38	12.8	20.7	51.4	42.2	38.4	29.9	13.0
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:220.09V I:0.6727A P:145.02W PF:0.9796 Freq:60.01Hz Lamp Flux:22019.4x1 lm		
NAME: ANEXO 26-0340-1-A RALED II PLUS 48 LED	TYPE:Alumbrado Publico	WEIGHT:----
SPEC.:48 LED 145W	DIM.: ----	SERIAL No.:26-0340-1
MFR.: ROY ALPHA S.A	SUR.:-----	Shielding Angle:-----

Table--2

UNIT: jÁ10cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435	435		
5	429	423	418	412	408	404	399	397	397	397	398	402	406	411	417	424	430		
10	424	409	392	376	361	349	339	333	332	333	337	346	358	374	391	409	427		
15	424	401	376	352	333	317	305	297	296	298	304	316	332	352	376	403	429		
20	430	394	356	324	299	280	264	255	254	257	266	282	303	328	361	400	439		
25	438	392	346	309	282	260	244	237	237	239	247	262	287	317	354	400	449		
30	457	392	336	292	261	244	237	228	228	231	241	250	268	303	348	407	474		
35	474	397	330	281	251	244	231	221	222	224	236	252	260	294	347	417	496		
40	512	412	325	267	241	227	218	211	212	214	222	235	253	283	350	442	544		
45	554	431	325	261	227	226	221	209	209	213	225	231	241	281	355	470	593		
50	602	453	326	248	224	230	216	196	195	200	224	237	235	275	368	507	664		
55	649	466	314	237	222	220	201	180	182	186	210	230	236	262	359	526	711		
60	736	489	305	215	175	176	166	147	148	153	176	186	192	245	354	560	796		
65	790	502	299	189	144	142	133	121	121	126	143	155	162	226	347	579	851		
70	596	375	251	163	94.6	87.9	78.9	70.3	69.9	75.5	86.7	99.5	110	196	329	506	745		
75	275	177	141	98.5	72.8	54.4	49.1	39.9	37.6	42.3	53.8	61.6	90.5	132	203	291	450		
80	54.8	35.6	29.2	28.6	23.6	23.1	16.4	13.9	13.1	15.0	19.7	26.1	28.8	36.4	43.2	62.9	79.8		
85	12.4	8.08	7.46	7.91	6.58	6.58	4.49	3.85	3.42	5.00	5.96	8.25	11.1	12.2	15.5	19.1	24.4		
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**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	4347	4347	4347	4347	4347	4347	4347	4347	4347	4347
2.0	4357	4376	4400	4422	4435	4462	4471	4484	4492	4506
4.0	4357	4401	4448	4485	4517	4564	4587	4608	4622	4640
6.0	4363	4433	4495	4556	4606	4660	4697	4734	4748	4771
8.0	4378	4466	4550	4624	4689	4758	4801	4839	4866	4888
10.0	4393	4505	4610	4703	4781	4846	4886	4936	4957	4986
12.0	4420	4553	4675	4776	4859	4923	4962	5003	5021	5053
14.0	4463	4610	4747	4854	4929	4985	5014	5047	5065	5098
16.0	4509	4669	4828	4941	5005	5043	5057	5090	5106	5145
18.0	4563	4744	4925	5034	5072	5099	5106	5133	5161	5195
20.0	4625	4835	5025	5129	5148	5158	5160	5196	5226	5252
22.0	4700	4927	5135	5238	5239	5225	5224	5265	5292	5320
24.0	4781	5041	5257	5353	5325	5294	5312	5350	5367	5400
26.0	4882	5159	5388	5493	5438	5405	5436	5443	5433	5465
28.0	4995	5303	5543	5642	5589	5540	5524	5454	5385	5418
30.0	5122	5466	5725	5823	5764	5614	5495	5348	5256	5291
32.0	5268	5661	5924	6044	5886	5605	5439	5234	5118	5150
34.0	5429	5865	6176	6232	5939	5601	5409	5130	5009	5035
36.0	5611	6077	6445	6386	5999	5598	5374	5043	4914	4933
38.0	5795	6342	6689	6542	6072	5615	5323	4964	4834	4850
40.0	6009	6614	6913	6712	6159	5644	5231	4899	4776	4795
42.0	6272	6946	7157	6886	6243	5675	5156	4840	4748	4768
44.0	6580	7318	7412	7026	6336	5704	5125	4782	4705	4726
46.0	6998	7656	7654	7196	6448	5718	5108	4746	4695	4721
48.0	7299	7869	7890	7368	6549	5769	5119	4752	4731	4725
50.0	7540	8101	8106	7520	6614	5862	5163	4857	4791	4797
52.0	7796	8424	8354	7676	6756	5961	5266	4898	4779	4795
54.0	8102	8799	8661	7866	6985	6076	5309	4828	4629	4670
56.0	8441	9178	8987	8080	7205	6164	5218	4639	4389	4401
58.0	8759	9572	9297	8390	7384	6152	4981	4311	3996	3992
60.0	9075	9968	9641	8781	7529	5935	4586	3848	3536	3539
62.0	9394	10390	10025	9200	7553	5485	4131	3502	3257	3269
64.0	9657	10834	10473	9539	7336	4971	3836	3058	2693	2516
66.0	9854	11313	10940	9832	6976	4571	3166	2164	1757	1762
68.0	9599	11600	11489	10044	6514	3912	2121	1289	1284	1001
70.0	8438	10961	11665	10240	6066	2973	1274	891.9	811.7	811.3
72.0	7080	9780	11011	9792	5419	2063	879.4	743.5	680.5	679.5
74.0	5029	7795	9482	8410	3876	1253	703.3	606.2	512.8	506.6
76.0	3113	5099	6285	6411	2221	814.7	573.7	450.8	344.4	340.8
78.0	1881	3402	3639	3454	1344	703.7	427.5	316.0	247.1	256.3
80.0	1236	2061	2505	1830	1068	542.5	310.5	214.0	176.1	171.9
82.0	592.6	1084	1457	1144	796.6	364.5	207.1	140.7	123.0	113.7
84.0	293.2	497.1	673.2	700.9	540.0	233.0	133.0	84.29	70.03	64.38
86.0	166.1	280.7	298.8	348.2	254.5	101.7	58.94	44.11	30.01	18.02
88.0	39.61	65.25	157.5	100.5	131.9	31.93	20.42	16.75	10.90	6.498
90.0	0	0	0	0	0	0	0	0	0	0
92.0	0	0	0	0	0	0	0	0	0	0
94.0	0	0	0	0	0	0	0	0	0	0
96.0	0	0	0	0	0	0	0	0	0	0
98.0	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.0	0	0	0	0	0	0	0	0	0	0
104.0	0	0	0	0	0	0	0	0	0	0
106.0	0	0	0	0	0	0	0	0	0	0
108.0	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.0	0	0	0	0	0	0	0	0	0	0
114.0	0	0	0	0	0	0	0	0	0	0
116.0	0	0	0	0	0	0	0	0	0	0
118.0	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.0	0	0	0	0	0	0	0	0	0	0
124.0	0	0	0	0	0	0	0	0	0	0
126.0	0	0	0	0	0	0	0	0	0	0
128.0	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.0	0	0	0	0	0	0	0	0	0	0
134.0	0	0	0	0	0	0	0	0	0	0
136.0	0	0	0	0	0	0	0	0	0	0
138.0	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.0	0	0	0	0	0	0	0	0	0	0
144.0	0	0	0	0	0	0	0	0	0	0
146.0	0	0	0	0	0	0	0	0	0	0

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**Photometric Data Table [cd]**

148.0	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.0	0	0	0	0	0	0	0	0	0	0
154.0	0	0	0	0	0	0	0	0	0	0
156.0	0	0	0	0	0	0	0	0	0	0
158.0	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.0	0	0	0	0	0	0	0	0	0	0
164.0	0	0	0	0	0	0	0	0	0	0
166.0	0	0	0	0	0	0	0	0	0	0
168.0	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.0	0	0	0	0	0	0	0	0	0	0
174.0	0	0	0	0	0	0	0	0	0	0
176.0	0	0	0	0	0	0	0	0	0	0
178.0	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0
G/C	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
0.0	4347	4347	4347	4347	4347	4347	4347	4347	4347	4347
2.0	4503	4495	4489	4470	4451	4427	4406	4376	4348	4317
4.0	4632	4620	4608	4579	4546	4509	4462	4400	4347	4292
6.0	4757	4742	4720	4684	4635	4583	4516	4435	4358	4269
8.0	4882	4865	4831	4790	4725	4652	4575	4470	4362	4255
10.0	4982	4963	4943	4897	4817	4726	4634	4514	4383	4242
12.0	5055	5047	5024	4983	4907	4813	4697	4560	4407	4235
14.0	5101	5109	5096	5072	5006	4904	4770	4615	4434	4242
16.0	5143	5154	5157	5151	5098	5001	4851	4681	4471	4259
18.0	5194	5204	5205	5225	5197	5103	4937	4744	4525	4271
20.0	5254	5252	5262	5289	5297	5210	5032	4828	4581	4301
22.0	5316	5320	5312	5372	5397	5326	5153	4919	4654	4334
24.0	5406	5405	5391	5448	5501	5460	5272	5023	4735	4376
26.0	5488	5524	5509	5558	5629	5597	5410	5141	4827	4435
28.0	5482	5592	5617	5717	5782	5753	5579	5273	4931	4496
30.0	5358	5525	5646	5851	5971	5941	5768	5425	5049	4571
32.0	5234	5445	5601	5894	6142	6183	5974	5611	5186	4647
34.0	5125	5370	5583	5922	6260	6431	6208	5791	5331	4739
36.0	5022	5293	5578	5937	6378	6646	6472	5991	5488	4840
38.0	4938	5202	5562	5988	6488	6833	6733	6222	5663	4968
40.0	4867	5117	5564	6030	6615	7009	7009	6473	5852	5123
42.0	4811	5056	5556	6082	6714	7204	7293	6798	6091	5310
44.0	4767	5002	5536	6126	6830	7386	7562	7196	6413	5536
46.0	4724	4979	5529	6179	6952	7571	7784	7487	6722	5747
48.0	4773	4982	5559	6246	7067	7773	8006	7658	6916	5890
50.0	4881	5105	5612	6369	7171	7967	8249	7883	7087	6022
52.0	4853	5192	5732	6530	7287	8167	8552	8207	7372	6237
54.0	4739	5134	5807	6697	7498	8415	8913	8608	7713	6492
56.0	4498	4954	5785	6828	7830	8641	9265	9050	8077	6752
58.0	4110	4616	5582	6917	8165	8950	9662	9533	8489	7038
60.0	3632	4143	5167	6803	8456	9322	10116	10039	8922	7358
62.0	3341	3819	4636	6422	8633	9805	10658	10517	9309	7678
64.0	2761	3386	4319	5882	8618	10323	11237	10896	9527	7897
66.0	1829	2429	3675	5385	8460	10800	11866	11057	9447	7785
68.0	1342	1449	2609	4799	8217	11399	12038	10419	8530	6996
70.0	858.0	954.3	1657	3910	7891	11500	11168	9322	7243	5962
72.0	730.0	772.3	1208	2775	6987	10340	9574	7488	5160	4417
74.0	556.3	641.8	762.4	1641	4956	8306	6347	5133	3157	2752
76.0	369.5	493.2	630.4	921.0	2805	4947	3911	3347	1809	1470
78.0	262.5	359.4	518.6	740.7	1721	3252	2747	2033	1065	848.4
80.0	186.3	251.4	374.9	558.3	1307	1563	1740	1139	618.3	547.5
82.0	129.9	143.4	234.2	369.0	899.1	829.8	1060	530.3	317.4	293.0
84.0	73.60	83.84	128.0	207.2	513.8	422.3	384.1	299.4	130.4	123.5
86.0	35.95	41.24	56.89	84.63	197.5	161.7	120.6	68.56	42.96	41.03
88.0	12.82	14.20	15.80	18.92	27.53	21.62	19.90	21.84	21.47	23.49
90.0	0	0	0	0	0	0	0	0	0	0
92.0	0	0	0	0	0	0	0	0	0	0
94.0	0	0	0	0	0	0	0	0	0	0
96.0	0	0	0	0	0	0	0	0	0	0
98.0	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.0	0	0	0	0	0	0	0	0	0	0
104.0	0	0	0	0	0	0	0	0	0	0
106.0	0	0	0	0	0	0	0	0	0	0
108.0	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALEED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**Photometric Data Table [cd]**

112.0	0	0	0	0	0	0	0	0	0	0
114.0	0	0	0	0	0	0	0	0	0	0
116.0	0	0	0	0	0	0	0	0	0	0
118.0	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.0	0	0	0	0	0	0	0	0	0	0
124.0	0	0	0	0	0	0	0	0	0	0
126.0	0	0	0	0	0	0	0	0	0	0
128.0	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.0	0	0	0	0	0	0	0	0	0	0
134.0	0	0	0	0	0	0	0	0	0	0
136.0	0	0	0	0	0	0	0	0	0	0
138.0	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.0	0	0	0	0	0	0	0	0	0	0
144.0	0	0	0	0	0	0	0	0	0	0
146.0	0	0	0	0	0	0	0	0	0	0
148.0	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.0	0	0	0	0	0	0	0	0	0	0
154.0	0	0	0	0	0	0	0	0	0	0
156.0	0	0	0	0	0	0	0	0	0	0
158.0	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.0	0	0	0	0	0	0	0	0	0	0
164.0	0	0	0	0	0	0	0	0	0	0
166.0	0	0	0	0	0	0	0	0	0	0
168.0	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.0	0	0	0	0	0	0	0	0	0	0
174.0	0	0	0	0	0	0	0	0	0	0
176.0	0	0	0	0	0	0	0	0	0	0
178.0	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0
G/C	200.0	210.0	220.0	230.0	240.0	250.0	260.0	270.0	280.0	290.0
0.0	4347	4347	4347	4347	4347	4347	4347	4347	4347	4347
2.0	4293	4262	4236	4219	4195	4182	4170	4168	4168	4174
4.0	4235	4178	4122	4081	4036	3994	3973	3965	3968	3981
6.0	4187	4094	4002	3927	3856	3798	3760	3745	3760	3779
8.0	4137	4007	3884	3772	3672	3588	3539	3518	3532	3569
10.0	4088	3923	3762	3611	3491	3392	3332	3315	3333	3375
12.0	4044	3837	3637	3458	3323	3217	3149	3130	3152	3205
14.0	4009	3758	3519	3327	3175	3054	2975	2957	2982	3045
16.0	3981	3690	3417	3209	3035	2905	2833	2813	2842	2908
18.0	3959	3616	3323	3099	2910	2772	2689	2671	2704	2785
20.0	3935	3556	3242	2991	2798	2641	2553	2540	2570	2658
22.0	3924	3499	3165	2903	2688	2525	2439	2431	2462	2548
24.0	3917	3457	3095	2815	2598	2443	2367	2365	2388	2467
26.0	3911	3419	3034	2736	2508	2401	2335	2332	2356	2428
28.0	3912	3382	2979	2666	2463	2383	2310	2304	2333	2413
30.0	3920	3356	2922	2613	2444	2374	2279	2276	2306	2409
32.0	3942	3325	2871	2562	2441	2354	2243	2247	2274	2394
34.0	3969	3303	2812	2513	2437	2310	2214	2218	2244	2364
36.0	4014	3288	2755	2472	2406	2253	2178	2179	2209	2306
38.0	4060	3264	2705	2449	2330	2211	2132	2132	2170	2262
40.0	4117	3253	2673	2412	2269	2181	2110	2117	2138	2225
42.0	4195	3253	2648	2339	2245	2182	2104	2110	2136	2225
44.0	4312	3252	2608	2268	2255	2208	2090	2091	2125	2255
46.0	4454	3280	2534	2227	2287	2210	2050	2051	2094	2266
48.0	4503	3306	2500	2228	2306	2184	2007	2013	2055	2249
50.0	4527	3257	2475	2240	2295	2164	1957	1951	2003	2235
52.0	4576	3187	2438	2239	2286	2126	1887	1881	1936	2207
54.0	4661	3143	2373	2218	2203	2014	1802	1815	1858	2103
56.0	4752	3124	2309	2081	2055	1915	1714	1723	1774	1985
58.0	4824	3087	2250	1902	1921	1796	1601	1611	1660	1889
60.0	4888	3049	2153	1753	1759	1655	1466	1484	1531	1763
62.0	4951	3016	2035	1599	1593	1503	1330	1340	1395	1609
64.0	5021	2990	1891	1442	1423	1333	1205	1209	1261	1431
66.0	4983	2989	1737	1277	1255	1176	1079	1081	1136	1255
68.0	4582	2931	1629	1111	1078	999.2	903.9	898.6	957.9	1083
70.0	3752	2513	1634	945.6	878.5	788.9	703.2	699.1	754.5	866.8
72.0	2761	1912	1462	799.0	684.0	610.9	527.6	517.9	571.0	676.9
74.0	1772	1413	985.1	727.8	543.7	490.7	398.9	376.1	423.0	537.7

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

**Photometric Data Table [cd]**

76.0	1021	866.2	632.8	545.0	430.0	351.0	304.1	288.3	317.6	410.5
78.0	592.6	494.2	426.7	362.9	326.7	247.1	207.8	199.3	233.7	292.7
80.0	355.6	292.5	286.2	236.0	230.8	163.9	139.0	130.7	149.9	196.8
82.0	186.3	165.9	165.1	141.0	134.9	95.13	81.97	75.11	97.15	128.2
84.0	80.81	74.60	79.14	65.81	65.77	44.89	38.51	34.24	49.95	59.60
86.0	34.99	31.23	30.69	22.10	20.76	13.59	11.77	10.47	15.55	20.17
88.0	23.11	20.72	16.43	11.47	7.272	4.901	3.981	3.803	4.197	5.969
90.0	0	0	0	0	0	0	0	0	0	0
92.0	0	0	0	0	0	0	0	0	0	0
94.0	0	0	0	0	0	0	0	0	0	0
96.0	0	0	0	0	0	0	0	0	0	0
98.0	0	0	0	0	0	0	0	0	0	0
100.0	0	0	0	0	0	0	0	0	0	0
102.0	0	0	0	0	0	0	0	0	0	0
104.0	0	0	0	0	0	0	0	0	0	0
106.0	0	0	0	0	0	0	0	0	0	0
108.0	0	0	0	0	0	0	0	0	0	0
110.0	0	0	0	0	0	0	0	0	0	0
112.0	0	0	0	0	0	0	0	0	0	0
114.0	0	0	0	0	0	0	0	0	0	0
116.0	0	0	0	0	0	0	0	0	0	0
118.0	0	0	0	0	0	0	0	0	0	0
120.0	0	0	0	0	0	0	0	0	0	0
122.0	0	0	0	0	0	0	0	0	0	0
124.0	0	0	0	0	0	0	0	0	0	0
126.0	0	0	0	0	0	0	0	0	0	0
128.0	0	0	0	0	0	0	0	0	0	0
130.0	0	0	0	0	0	0	0	0	0	0
132.0	0	0	0	0	0	0	0	0	0	0
134.0	0	0	0	0	0	0	0	0	0	0
136.0	0	0	0	0	0	0	0	0	0	0
138.0	0	0	0	0	0	0	0	0	0	0
140.0	0	0	0	0	0	0	0	0	0	0
142.0	0	0	0	0	0	0	0	0	0	0
144.0	0	0	0	0	0	0	0	0	0	0
146.0	0	0	0	0	0	0	0	0	0	0
148.0	0	0	0	0	0	0	0	0	0	0
150.0	0	0	0	0	0	0	0	0	0	0
152.0	0	0	0	0	0	0	0	0	0	0
154.0	0	0	0	0	0	0	0	0	0	0
156.0	0	0	0	0	0	0	0	0	0	0
158.0	0	0	0	0	0	0	0	0	0	0
160.0	0	0	0	0	0	0	0	0	0	0
162.0	0	0	0	0	0	0	0	0	0	0
164.0	0	0	0	0	0	0	0	0	0	0
166.0	0	0	0	0	0	0	0	0	0	0
168.0	0	0	0	0	0	0	0	0	0	0
170.0	0	0	0	0	0	0	0	0	0	0
172.0	0	0	0	0	0	0	0	0	0	0
174.0	0	0	0	0	0	0	0	0	0	0
176.0	0	0	0	0	0	0	0	0	0	0
178.0	0	0	0	0	0	0	0	0	0	0
180.0	0	0	0	0	0	0	0	0	0	0
G/C	300.0	310.0	320.0	330.0	340.0	350.0				
0.0	4347	4347	4347	4347	4347	4347				
2.0	4189	4209	4233	4260	4292	4323				
4.0	4015	4061	4111	4173	4235	4304				
6.0	3834	3903	3985	4079	4179	4287				
8.0	3641	3740	3861	3993	4135	4274				
10.0	3462	3580	3737	3913	4093	4270				
12.0	3303	3441	3622	3838	4062	4278				
14.0	3165	3323	3519	3764	4032	4290				
16.0	3034	3212	3435	3698	4015	4314				
18.0	2928	3115	3355	3647	3998	4345				
20.0	2818	3025	3281	3606	3999	4391				
22.0	2715	2943	3218	3567	3998	4439				
24.0	2620	2869	3167	3539	4001	4491				
26.0	2549	2795	3124	3518	4015	4563				
28.0	2512	2733	3078	3497	4035	4647				
30.0	2502	2681	3031	3482	4069	4738				
32.0	2512	2642	2989	3476	4108	4842				
34.0	2519	2603	2943	3474	4167	4959				
36.0	2500	2568	2897	3478	4235	5092				
38.0	2436	2550	2856	3484	4327	5248				

**C Range: 0 - 360DEG**  
**C Interval: 10.0DEG**  
**Test Speed: HIGH**  
**Temperature: 25±1°CDEG**  
**Operators: Kevin Delgado**  
**Test Date: 2026-06-16**

**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 26-0340-1-A RALED II PLUS 48 LED**  
**Driver SOSEN SS-150VH A215BE CLII/1-10V**  
**MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)**  
**Lentes: RA10-RA11 (9-3)**

Photometric Data Table [cd]

40.0	2352	2532	2825	3499	4420	5435
42.0	2310	2485	2813	3511	4536	5672
44.0	2313	2405	2811	3551	4702	5929
46.0	2346	2351	2785	3617	4905	6218
48.0	2371	2330	2753	3690	5028	6480
50.0	2368	2346	2751	3677	5073	6641
52.0	2362	2375	2701	3625	5142	6859
54.0	2302	2360	2624	3595	5264	7115
56.0	2177	2244	2570	3586	5406	7412
58.0	2033	2072	2524	3572	5519	7673
60.0	1860	1917	2452	3541	5598	7960
62.0	1703	1775	2357	3511	5691	8238
64.0	1550	1623	2255	3472	5787	8507
66.0	1391	1463	2120	3464	5876	8683
68.0	1203	1286	2000	3466	5763	8446
70.0	995.1	1101	1964	3287	5059	7448
72.0	784.0	979.0	1822	2598	4103	6232
74.0	616.1	904.6	1322	2033	2908	4500
76.0	482.3	663.2	873.3	1347	1714	2676
78.0	362.2	429.7	571.9	759.6	1007	1389
80.0	260.7	288.3	364.2	431.8	628.6	798.5
82.0	159.3	184.7	242.9	253.8	384.1	477.9
84.0	82.50	110.9	121.9	155.1	191.3	244.3
86.0	31.17	37.24	56.17	56.82	75.05	140.3
88.0	9.255	14.16	21.24	26.40	31.92	37.26
90.0	0	0	0	0	0	0
92.0	0	0	0	0	0	0
94.0	0	0	0	0	0	0
96.0	0	0	0	0	0	0
98.0	0	0	0	0	0	0
100.0	0	0	0	0	0	0
102.0	0	0	0	0	0	0
104.0	0	0	0	0	0	0
106.0	0	0	0	0	0	0
108.0	0	0	0	0	0	0
110.0	0	0	0	0	0	0
112.0	0	0	0	0	0	0
114.0	0	0	0	0	0	0
116.0	0	0	0	0	0	0
118.0	0	0	0	0	0	0
120.0	0	0	0	0	0	0
122.0	0	0	0	0	0	0
124.0	0	0	0	0	0	0
126.0	0	0	0	0	0	0
128.0	0	0	0	0	0	0
130.0	0	0	0	0	0	0
132.0	0	0	0	0	0	0
134.0	0	0	0	0	0	0
136.0	0	0	0	0	0	0
138.0	0	0	0	0	0	0
140.0	0	0	0	0	0	0
142.0	0	0	0	0	0	0
144.0	0	0	0	0	0	0
146.0	0	0	0	0	0	0
148.0	0	0	0	0	0	0
150.0	0	0	0	0	0	0
152.0	0	0	0	0	0	0
154.0	0	0	0	0	0	0
156.0	0	0	0	0	0	0
158.0	0	0	0	0	0	0
160.0	0	0	0	0	0	0
162.0	0	0	0	0	0	0
164.0	0	0	0	0	0	0
166.0	0	0	0	0	0	0
168.0	0	0	0	0	0	0
170.0	0	0	0	0	0	0
172.0	0	0	0	0	0	0
174.0	0	0	0	0	0	0
176.0	0	0	0	0	0	0
178.0	0	0	0	0	0	0
180.0	0	0	0	0	0	0

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25±1°CDEG  
Operators: Kevin Delgado  
Test Date: 2026-06-16

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 26-0340-1-A RALED II PLUS 48 LED  
Driver SOSEN SS-150VH A215BE CLII/1-10V  
MOD FF BOARD 2X8/740 5050 DA\_UHE (4K)  
Lentes: RA10-RA11 (9-3)