

# Light Intensity Distribution Test

## Product Information

Product Name: Rhino300-CW

Manufactory: GW

Operator: hua

Test Date: 2022-07-22

## Test Condition

Temperature: 26.8 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3 m

## Electric Param

Voltage: 240.6 V

Current: 0.096 A

Power: 21.92 W

PF: 0.947

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 823.17 cd

Max. Cand. Angle(Deg): C= 0.0 gamma= 2.0

Center Cd(I<sub>vo</sub>): 823.02 cd

Beam Angle(50%) β : 111.1 deg.

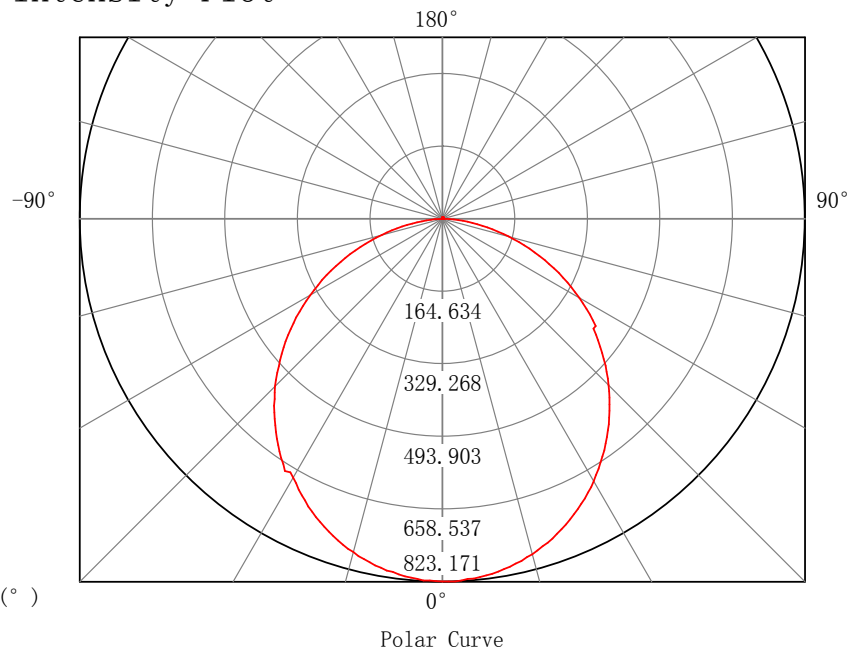
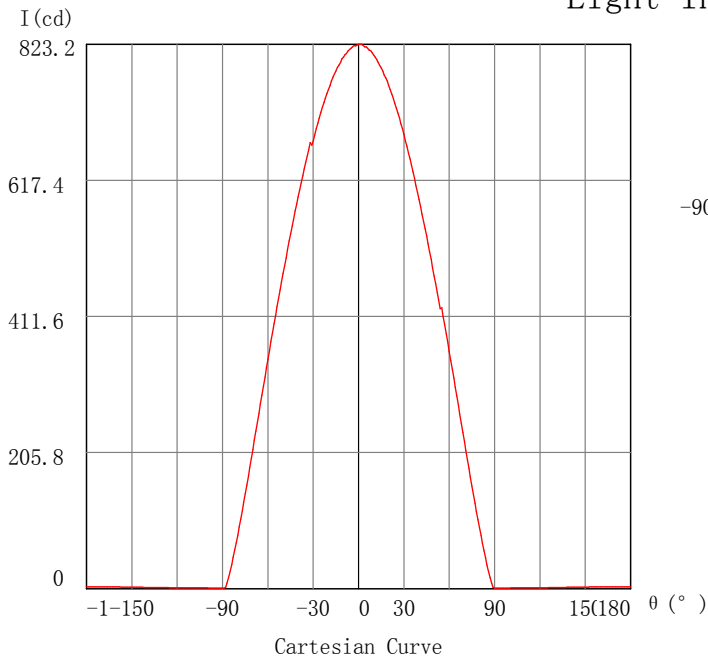
Lumens: 2305.435 lm

Lumen-Effic: 105.175 lm/W

90 Deg. Lumens: 1241.972 lmW

120 Deg. Lumens: 1817.362 lm

## Light Intensity Plot



C0-180 —————

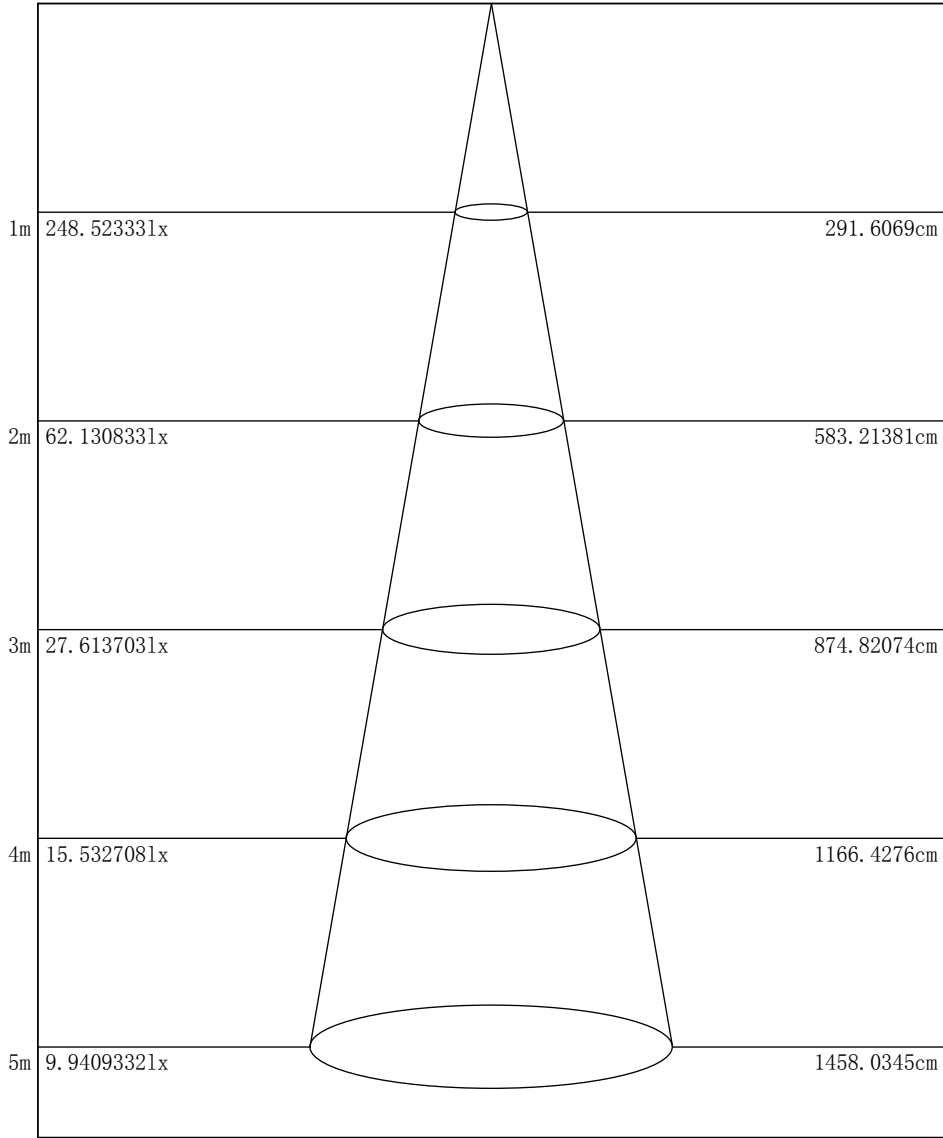
Tabulator: \_\_\_\_\_

Verifier: \_\_\_\_\_

# Lux-Distance Diagram

Luminous Flux: 2305.435 lm

Beam Luminous Flux: 1659.788 lm



Height Aver. Lux

Beam Ang. =111.1(° )

Beam Dia.

10%Beam Angle= 160.7(° )

50%Beam Angle= 111.1(° )

---

## Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.91	-146.0	2.16	-112.0	1.28	-78.0	105.48	-44.0	548.62	-10.0	803.49
-179.0	2.93	-145.0	2.14	-111.0	1.27	-77.0	117.77	-43.0	559.07	-9.0	807.59
-178.0	2.96	-144.0	2.09	-110.0	1.25	-76.0	130.64	-42.0	571.16	-8.0	809.10
-177.0	2.94	-143.0	2.04	-109.0	1.21	-75.0	143.54	-41.0	582.05	-7.0	812.94
-176.0	2.88	-142.0	1.98	-108.0	1.17	-74.0	156.73	-40.0	592.21	-6.0	815.40
-175.0	2.86	-141.0	1.96	-107.0	1.18	-73.0	169.91	-39.0	603.14	-5.0	817.18
-174.0	2.86	-140.0	1.96	-106.0	1.15	-72.0	183.34	-38.0	614.18	-4.0	819.21
-173.0	2.88	-139.0	1.98	-105.0	1.14	-71.0	196.85	-37.0	624.60	-3.0	821.37
-172.0	2.91	-138.0	1.98	-104.0	1.15	-70.0	210.26	-36.0	634.28	-2.0	820.80
-171.0	2.90	-137.0	1.94	-103.0	1.14	-69.0	224.18	-35.0	644.81	-1.0	821.94
-170.0	2.85	-136.0	1.88	-102.0	1.13	-68.0	237.75	-34.0	654.62	0.0	823.02
-169.0	2.80	-135.0	1.84	-101.0	1.13	-67.0	251.49	-33.0	663.61	1.0	823.06
-168.0	2.76	-134.0	1.81	-100.0	1.10	-66.0	265.27	-32.0	674.34	2.0	823.17
-167.0	2.78	-133.0	1.79	-99.0	1.07	-65.0	279.00	-31.0	670.64	3.0	821.65
-166.0	2.79	-132.0	1.79	-98.0	1.07	-64.0	292.77	-30.0	678.00	4.0	819.03
-165.0	2.80	-131.0	1.77	-97.0	1.08	-63.0	306.54	-29.0	686.06	5.0	819.30
-164.0	2.76	-130.0	1.71	-96.0	1.08	-62.0	319.54	-28.0	696.03	6.0	817.09
-163.0	2.69	-129.0	1.64	-95.0	1.05	-61.0	333.65	-27.0	703.89	7.0	814.62
-162.0	2.64	-128.0	1.59	-94.0	1.01	-60.0	346.66	-26.0	711.09	8.0	813.21
-161.0	2.61	-127.0	1.56	-93.0	1.00	-59.0	360.61	-25.0	720.10	9.0	809.96
-160.0	2.60	-126.0	1.54	-92.0	0.99	-58.0	373.85	-24.0	727.54	10.0	807.04
-159.0	2.60	-125.0	1.54	-91.0	0.98	-57.0	386.32	-23.0	735.17	11.0	803.96
-158.0	2.58	-124.0	1.52	-90.0	0.99	-56.0	400.63	-22.0	741.46	12.0	799.84
-157.0	2.52	-123.0	1.47	-89.0	1.00	-55.0	412.99	-21.0	748.40	13.0	796.20
-156.0	2.45	-122.0	1.43	-88.0	2.57	-54.0	426.28	-20.0	754.76	14.0	791.27
-155.0	2.40	-121.0	1.41	-87.0	8.69	-53.0	438.63	-19.0	760.74	15.0	787.54
-154.0	2.38	-120.0	1.40	-86.0	17.18	-52.0	451.93	-18.0	767.28	16.0	782.61
-153.0	2.37	-119.0	1.41	-85.0	26.62	-51.0	463.74	-17.0	773.34	17.0	776.86
-152.0	2.37	-118.0	1.43	-84.0	36.69	-50.0	476.47	-16.0	778.60	18.0	772.32
-151.0	2.32	-117.0	1.43	-83.0	47.27	-49.0	488.41	-15.0	782.48	19.0	767.23
-150.0	2.25	-116.0	1.39	-82.0	58.19	-48.0	500.25	-14.0	788.43	20.0	760.65
-149.0	2.20	-115.0	1.34	-81.0	69.64	-47.0	512.62	-13.0	791.78	21.0	754.18
-148.0	2.16	-114.0	1.31	-80.0	81.25	-46.0	525.52	-12.0	796.12	22.0	747.64
-147.0	2.15	-113.0	1.28	-79.0	93.22	-45.0	537.12	-11.0	801.17	23.0	740.75

Tabulator: \_\_\_\_\_

Verifier: \_\_\_\_\_

## Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	733.97	51.0	461.02	78.0	116.67	105.0	1.24	132.0	1.88	159.0	2.77
25.0	726.73	52.0	447.46	79.0	104.24	106.0	1.24	133.0	1.95	160.0	2.81
26.0	719.15	53.0	436.72	80.0	91.89	107.0	1.22	134.0	1.99	161.0	2.80
27.0	711.94	54.0	423.47	81.0	80.13	108.0	1.18	135.0	2.00	162.0	2.76
28.0	703.17	55.0	424.62	82.0	68.57	109.0	1.15	136.0	1.98	163.0	2.74
29.0	695.89	56.0	411.56	83.0	57.37	110.0	1.15	137.0	1.99	164.0	2.75
30.0	686.39	57.0	399.28	84.0	46.49	111.0	1.15	138.0	2.02	165.0	2.80
31.0	677.42	58.0	385.53	85.0	35.90	112.0	1.18	139.0	2.08	166.0	2.84
32.0	669.17	59.0	372.01	86.0	25.94	113.0	1.21	140.0	2.13	167.0	2.82
33.0	658.62	60.0	358.70	87.0	16.52	114.0	1.24	141.0	2.15	168.0	2.80
34.0	649.94	61.0	344.85	88.0	8.04	115.0	1.23	142.0	2.17	169.0	2.79
35.0	641.08	62.0	331.75	89.0	2.09	116.0	1.22	143.0	2.18	170.0	2.81
36.0	630.29	63.0	318.31	90.0	0.91	117.0	1.25	144.0	2.20	171.0	2.85
37.0	620.35	64.0	304.62	91.0	0.94	118.0	1.27	145.0	2.26	172.0	2.91
38.0	609.64	65.0	291.39	92.0	0.96	119.0	1.32	146.0	2.33	173.0	2.93
39.0	599.69	66.0	277.47	93.0	0.97	120.0	1.36	147.0	2.39	174.0	2.91
40.0	588.35	67.0	263.57	94.0	0.96	121.0	1.38	148.0	2.40	175.0	2.89
41.0	577.36	68.0	250.19	95.0	0.96	122.0	1.40	149.0	2.40	176.0	2.87
42.0	566.47	69.0	235.84	96.0	0.98	123.0	1.41	150.0	2.42	177.0	2.89
43.0	555.46	70.0	222.76	97.0	1.00	124.0	1.46	151.0	2.47	178.0	2.93
44.0	544.53	71.0	208.85	98.0	1.02	125.0	1.51	152.0	2.53	179.0	2.96
45.0	533.36	72.0	195.38	99.0	1.04	126.0	1.58	153.0	2.59	180.0	2.93
46.0	521.40	73.0	181.83	100.0	1.06	127.0	1.64	154.0	2.62		
47.0	509.14	74.0	168.52	101.0	1.09	128.0	1.68	155.0	2.63		
48.0	498.32	75.0	155.23	102.0	1.14	129.0	1.71	156.0	2.61		
49.0	485.17	76.0	142.28	103.0	1.19	130.0	1.75	157.0	2.65		
50.0	472.91	77.0	129.24	104.0	1.22	131.0	1.81	158.0	2.71		

Tabulator: \_\_\_\_\_

Verifier: \_\_\_\_\_