

# Light Intensity Distribution Test

## Product Information

Product Name: Rhino400-NW

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: 240.4 V

Current: 0.117 A

Power: 26.9 W

PF: 0.949

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 914.38 cd

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

Center Cd(I<sub>vo</sub>): 913.51 cd

Beam Angle(50%) β : 109.8 deg.

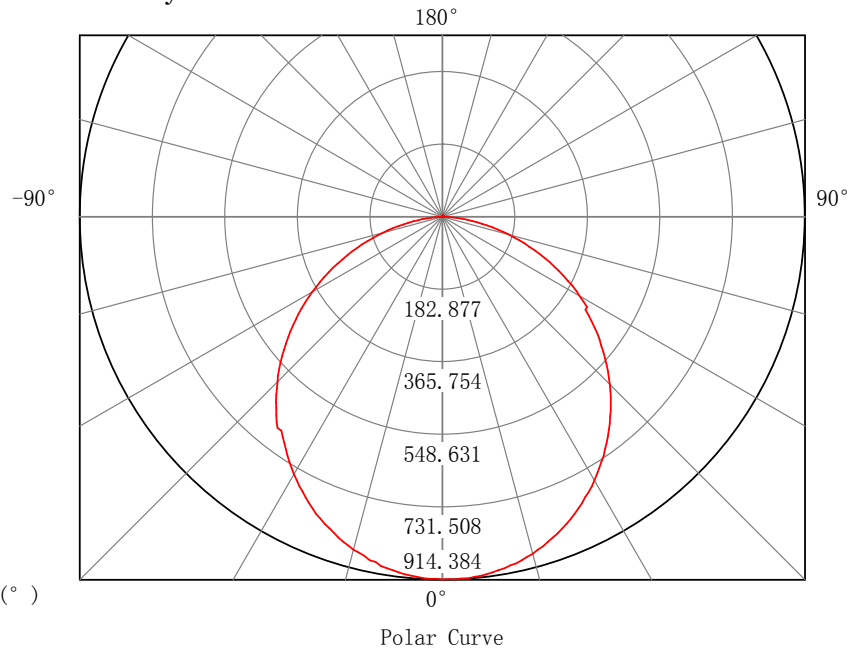
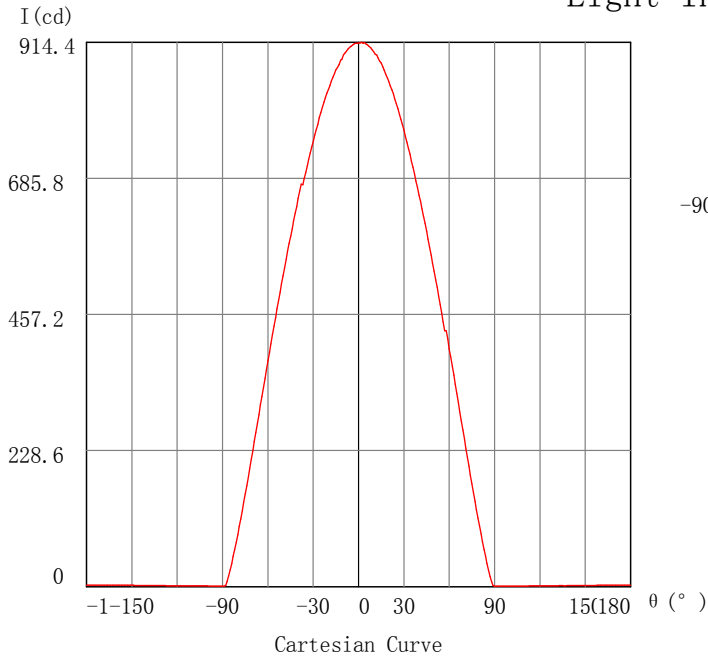
Lumens: 2546.547 lm

Lumen-Effic: 94.667 lm/W

90 Deg. Lumens: 1376.208 lmW

120 Deg. Lumens: 2010.990 lm

## Light Intensity Plot



C0-180 —————

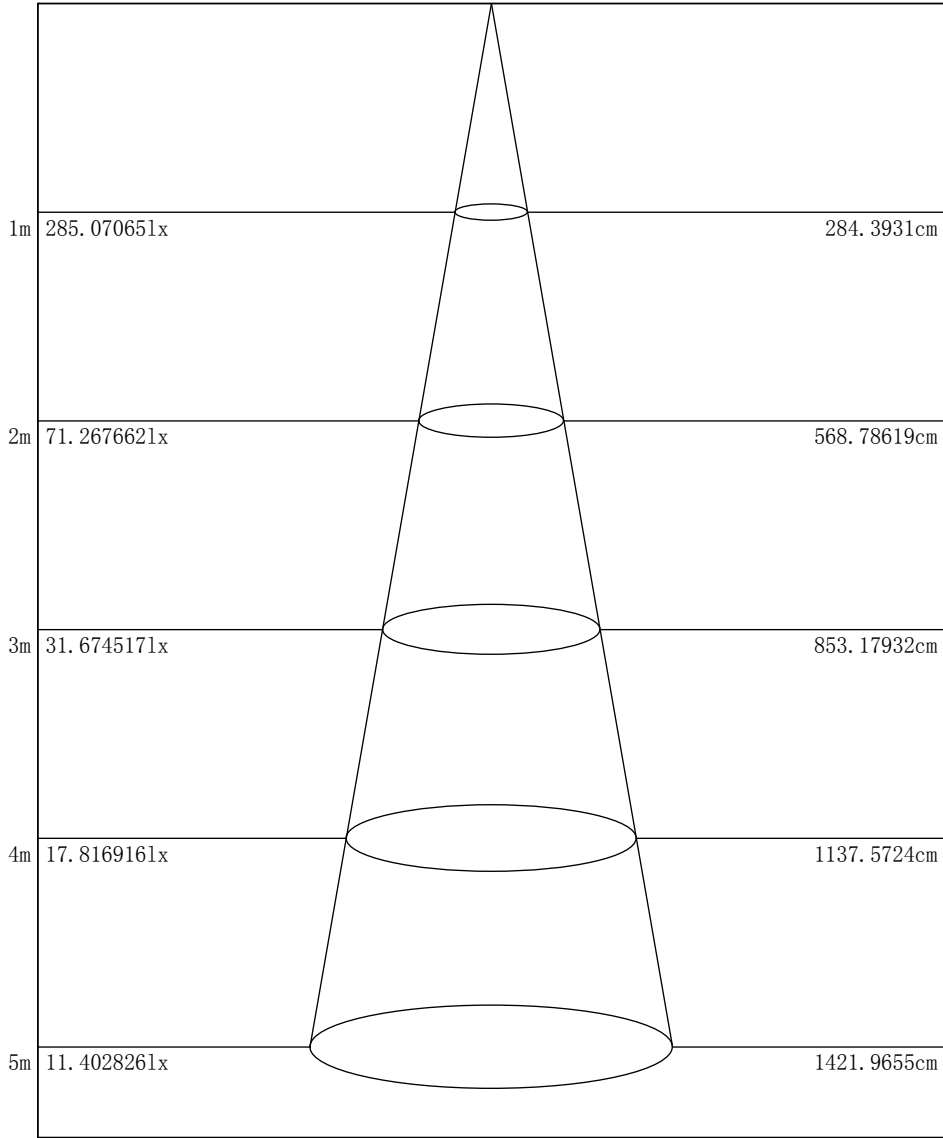
Tabulator: \_\_\_\_\_

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

# Lux-Distance Diagram

Luminous Flux: 2546.547 lm

Beam Luminous Flux: 1810.842 lm



Height Aver. Lux

Beam Ang. =109.8(° )

Beam Dia.

10%Beam Angle= 160.5(° )

50%Beam Angle= 109.8(° )

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## Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.31	-146.0	2.14	-112.0	1.31	-78.0	113.82	-44.0	601.24	-10.0	893.59
-179.0	2.33	-145.0	2.13	-111.0	1.30	-77.0	127.74	-43.0	614.62	-9.0	896.29
-178.0	2.37	-144.0	2.14	-110.0	1.28	-76.0	141.58	-42.0	627.14	-8.0	899.25
-177.0	2.39	-143.0	2.15	-109.0	1.29	-75.0	155.65	-41.0	638.71	-7.0	903.15
-176.0	2.38	-142.0	2.14	-108.0	1.31	-74.0	169.92	-40.0	652.14	-6.0	905.81
-175.0	2.36	-141.0	2.09	-107.0	1.31	-73.0	184.60	-39.0	664.08	-5.0	907.90
-174.0	2.34	-140.0	2.03	-106.0	1.29	-72.0	198.96	-38.0	675.85	-4.0	909.38
-173.0	2.33	-139.0	1.99	-105.0	1.26	-71.0	214.09	-37.0	675.02	-3.0	911.67
-172.0	2.35	-138.0	1.98	-104.0	1.25	-70.0	229.02	-36.0	685.48	-2.0	912.69
-171.0	2.38	-137.0	1.97	-103.0	1.25	-69.0	243.90	-35.0	695.36	-1.0	912.66
-170.0	2.40	-136.0	1.98	-102.0	1.25	-68.0	259.06	-34.0	706.80	0.0	913.51
-169.0	2.40	-135.0	1.95	-101.0	1.24	-67.0	274.05	-33.0	717.54	1.0	913.03
-168.0	2.36	-134.0	1.90	-100.0	1.21	-66.0	288.88	-32.0	728.47	2.0	914.38
-167.0	2.36	-133.0	1.84	-99.0	1.16	-65.0	304.80	-31.0	739.04	3.0	912.61
-166.0	2.34	-132.0	1.79	-98.0	1.13	-64.0	319.22	-30.0	748.83	4.0	913.91
-165.0	2.37	-131.0	1.77	-97.0	1.11	-63.0	334.58	-29.0	758.59	5.0	911.18
-164.0	2.39	-130.0	1.77	-96.0	1.10	-62.0	349.80	-28.0	768.14	6.0	909.93
-163.0	2.42	-129.0	1.76	-95.0	1.08	-61.0	363.96	-27.0	776.63	7.0	907.52
-162.0	2.38	-128.0	1.73	-94.0	1.09	-60.0	379.39	-26.0	787.22	8.0	905.18
-161.0	2.35	-127.0	1.68	-93.0	1.07	-59.0	393.72	-25.0	795.85	9.0	901.43
-160.0	2.31	-126.0	1.63	-92.0	1.04	-58.0	408.07	-24.0	804.92	10.0	898.92
-159.0	2.30	-125.0	1.61	-91.0	1.02	-57.0	423.57	-23.0	813.69	11.0	894.42
-158.0	2.31	-124.0	1.60	-90.0	0.99	-56.0	438.00	-22.0	820.52	12.0	892.84
-157.0	2.33	-123.0	1.61	-89.0	0.98	-55.0	451.95	-21.0	828.92	13.0	887.82
-156.0	2.34	-122.0	1.61	-88.0	2.11	-54.0	466.34	-20.0	835.14	14.0	882.46
-155.0	2.31	-121.0	1.59	-87.0	8.54	-53.0	480.34	-19.0	842.10	15.0	879.36
-154.0	2.28	-120.0	1.54	-86.0	17.87	-52.0	494.42	-18.0	849.40	16.0	872.87
-153.0	2.24	-119.0	1.49	-85.0	28.25	-51.0	508.57	-17.0	855.74	17.0	867.79
-152.0	2.23	-118.0	1.46	-84.0	39.15	-50.0	522.09	-16.0	862.09	18.0	860.83
-151.0	2.23	-117.0	1.45	-83.0	50.66	-49.0	536.01	-15.0	868.26	19.0	854.64
-150.0	2.25	-116.0	1.45	-82.0	62.52	-48.0	549.77	-14.0	872.10	20.0	849.13
-149.0	2.26	-115.0	1.44	-81.0	74.83	-47.0	563.03	-13.0	876.74	21.0	841.42
-148.0	2.22	-114.0	1.40	-80.0	87.54	-46.0	576.63	-12.0	884.32	22.0	834.52
-147.0	2.18	-113.0	1.36	-79.0	100.71	-45.0	588.73	-11.0	885.86	23.0	827.47

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

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

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 Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	819.17	51.0	515.26	78.0	129.42	105.0	1.10	132.0	1.69	159.0	2.26
25.0	811.07	52.0	502.29	79.0	115.26	106.0	1.13	133.0	1.73	160.0	2.25
26.0	802.91	53.0	488.42	80.0	101.76	107.0	1.16	134.0	1.74	161.0	2.24
27.0	792.91	54.0	473.84	81.0	88.41	108.0	1.17	135.0	1.72	162.0	2.23
28.0	785.37	55.0	459.02	82.0	75.43	109.0	1.16	136.0	1.70	163.0	2.27
29.0	776.26	56.0	445.06	83.0	62.77	110.0	1.15	137.0	1.71	164.0	2.31
30.0	766.56	57.0	429.90	84.0	50.63	111.0	1.17	138.0	1.73	165.0	2.36
31.0	756.97	58.0	430.10	85.0	38.92	112.0	1.19	139.0	1.78	166.0	2.35
32.0	746.31	59.0	415.33	86.0	27.76	113.0	1.22	140.0	1.81	167.0	2.33
33.0	736.09	60.0	399.50	87.0	17.27	114.0	1.26	141.0	1.80	168.0	2.31
34.0	726.19	61.0	386.10	88.0	7.72	115.0	1.28	142.0	1.81	169.0	2.32
35.0	714.91	62.0	370.49	89.0	1.74	116.0	1.29	143.0	1.83	170.0	2.35
36.0	704.68	63.0	354.97	90.0	0.93	117.0	1.30	144.0	1.87	171.0	2.38
37.0	692.79	64.0	340.16	91.0	0.94	118.0	1.33	145.0	1.94	172.0	2.38
38.0	681.58	65.0	324.52	92.0	0.96	119.0	1.37	146.0	1.99	173.0	2.35
39.0	670.58	66.0	309.17	93.0	1.00	120.0	1.43	147.0	2.00	174.0	2.33
40.0	657.28	67.0	294.06	94.0	1.03	121.0	1.46	148.0	2.00	175.0	2.33
41.0	646.57	68.0	278.56	95.0	1.03	122.0	1.49	149.0	2.01	176.0	2.35
42.0	634.58	69.0	263.21	96.0	1.03	123.0	1.49	150.0	2.04	177.0	2.39
43.0	622.07	70.0	248.09	97.0	1.03	124.0	1.50	151.0	2.10	178.0	2.39
44.0	609.83	71.0	232.36	98.0	1.03	125.0	1.53	152.0	2.14	179.0	2.37
45.0	596.55	72.0	217.71	99.0	1.04	126.0	1.57	153.0	2.15	180.0	2.34
46.0	583.41	73.0	202.56	100.0	1.08	127.0	1.62	154.0	2.13		
47.0	569.67	74.0	187.30	101.0	1.10	128.0	1.63	155.0	2.14		
48.0	556.69	75.0	172.83	102.0	1.11	129.0	1.62	156.0	2.15		
49.0	543.27	76.0	157.91	103.0	1.11	130.0	1.63	157.0	2.19		
50.0	529.95	77.0	143.47	104.0	1.10	131.0	1.64	158.0	2.24		

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

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