

# Light Intensity Distribution Test

## Product Information

Product Name: Rhino500-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: 240.2 V

Current: 0.154 A

Power: 35.33 W

PF: 0.951

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 1345.87 cd

Max. Cand. Angle(Deg): C= 0.0 gama= 1.0

Center Cd(I<sub>vo</sub>): 1344.04 cd

Beam Angle(50%) β : 110.0 deg.

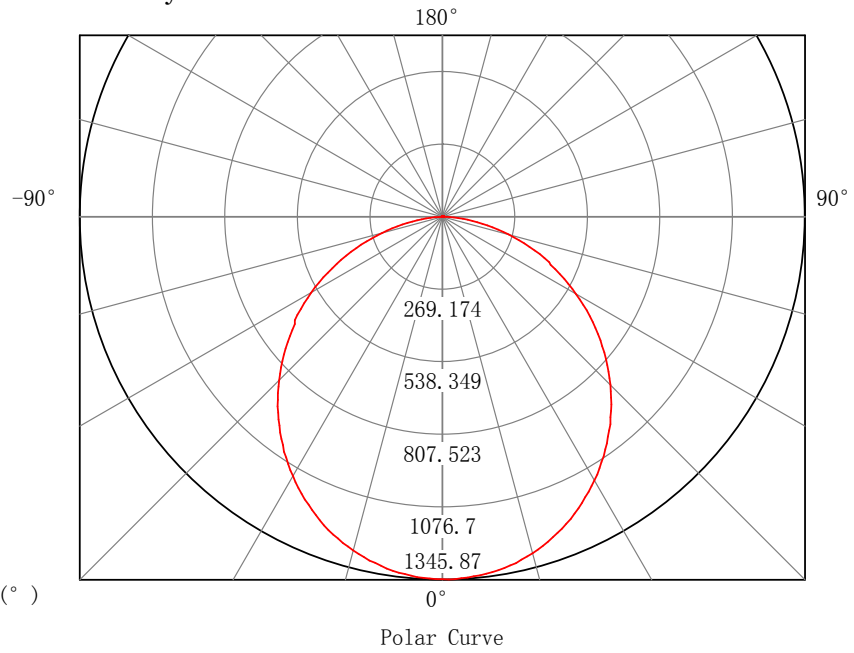
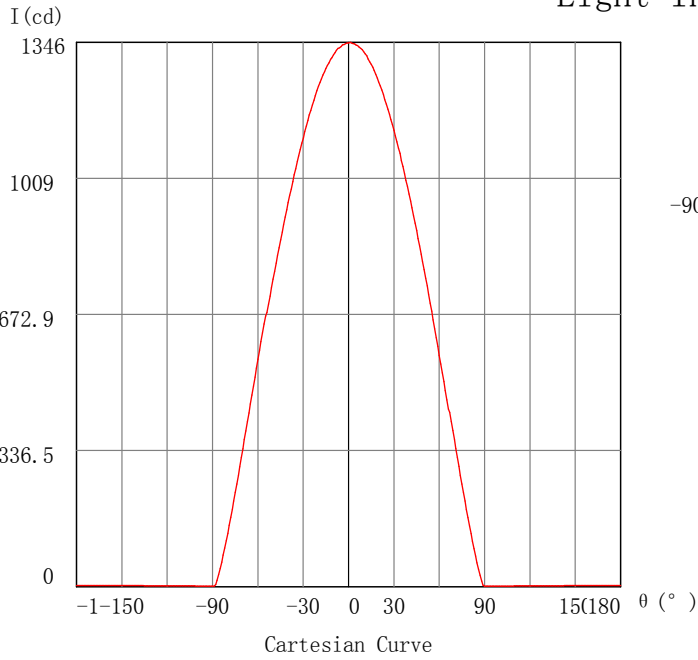
Lumens: 3747.768 lm

Lumen-Effic: 106.079 lm/W

90 Deg. Lumens: 2027.778 lmW

120 Deg. Lumens: 2959.686 lm

## Light Intensity Plot



C0-180 ———

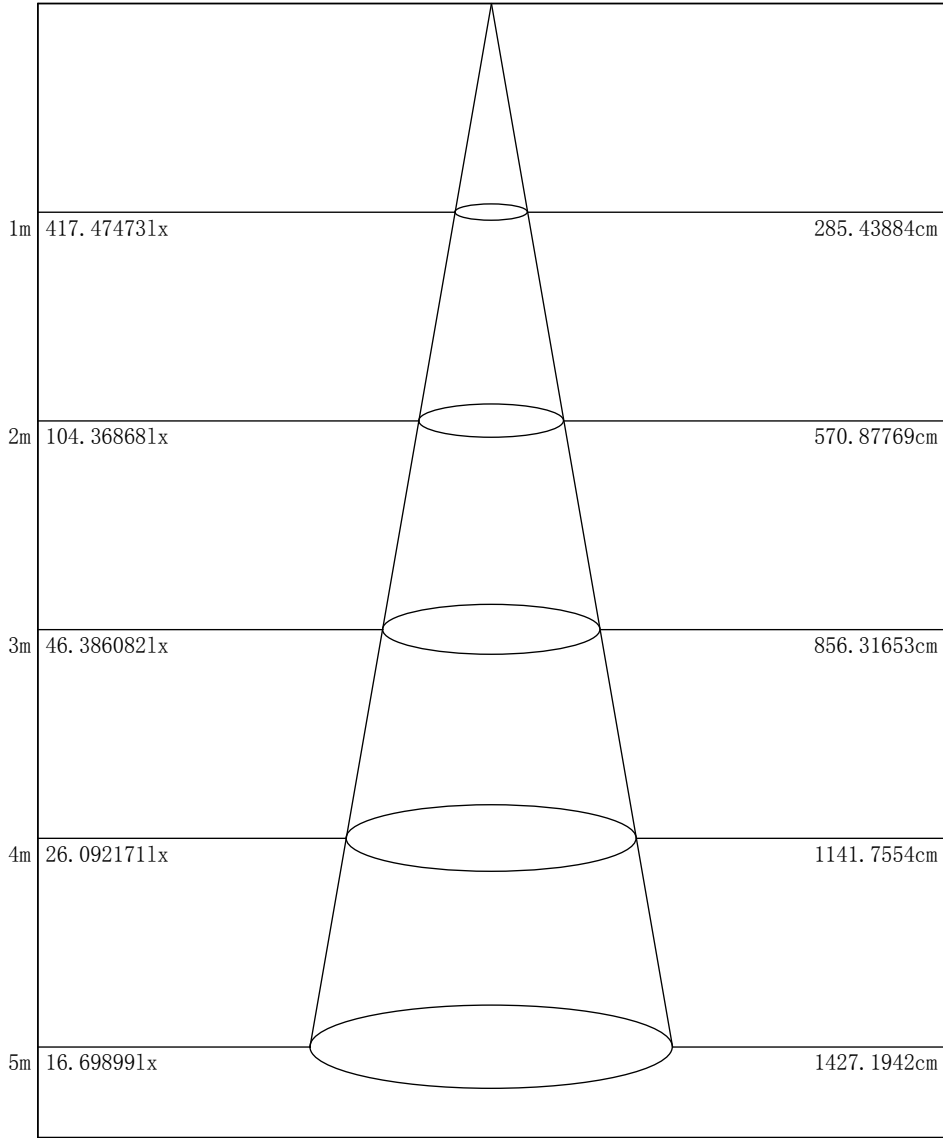
Tabulator: \_\_\_\_\_

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

# Lux-Distance Diagram

Luminous Flux: 3747.768 lm

Beam Luminous Flux: 2671.445 lm



Height Aver. Lux

Beam Ang. =110.0(° )

Beam Dia.

10%Beam Angle= 160.7(° )

50%Beam Angle= 110(° )

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## Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.88	-146.0	2.73	-112.0	2.02	-78.0	171.43	-44.0	876.71	-10.0	1314.57
-179.0	2.88	-145.0	2.77	-111.0	2.03	-77.0	191.36	-43.0	895.07	-9.0	1320.83
-178.0	2.92	-144.0	2.77	-110.0	1.98	-76.0	211.87	-42.0	913.27	-8.0	1325.70
-177.0	2.96	-143.0	2.74	-109.0	1.92	-75.0	232.95	-41.0	932.10	-7.0	1330.39
-176.0	2.98	-142.0	2.68	-108.0	1.88	-74.0	253.84	-40.0	949.05	-6.0	1332.04
-175.0	2.95	-141.0	2.63	-107.0	1.87	-73.0	275.42	-39.0	967.62	-5.0	1335.42
-174.0	2.91	-140.0	2.62	-106.0	1.87	-72.0	296.91	-38.0	982.93	-4.0	1339.50
-173.0	2.89	-139.0	2.62	-105.0	1.88	-71.0	319.26	-37.0	1001.26	-3.0	1340.31
-172.0	2.92	-138.0	2.63	-104.0	1.87	-70.0	341.15	-36.0	1017.75	-2.0	1342.81
-171.0	2.96	-137.0	2.61	-103.0	1.84	-69.0	363.34	-35.0	1032.93	-1.0	1343.86
-170.0	2.99	-136.0	2.56	-102.0	1.78	-68.0	385.20	-34.0	1051.38	0.0	1344.04
-169.0	2.98	-135.0	2.51	-101.0	1.75	-67.0	407.78	-33.0	1065.09	1.0	1345.87
-168.0	2.94	-134.0	2.46	-100.0	1.73	-66.0	429.77	-32.0	1080.58	2.0	1344.46
-167.0	2.91	-133.0	2.47	-99.0	1.74	-65.0	451.52	-31.0	1096.87	3.0	1342.75
-166.0	2.91	-132.0	2.48	-98.0	1.74	-64.0	474.12	-30.0	1109.37	4.0	1341.55
-165.0	2.93	-131.0	2.49	-97.0	1.69	-63.0	495.83	-29.0	1124.94	5.0	1338.53
-164.0	2.97	-130.0	2.45	-96.0	1.63	-62.0	518.41	-28.0	1138.51	6.0	1337.44
-163.0	2.98	-129.0	2.40	-95.0	1.59	-61.0	540.36	-27.0	1152.42	7.0	1333.59
-162.0	2.94	-128.0	2.36	-94.0	1.57	-60.0	562.33	-26.0	1166.06	8.0	1330.51
-161.0	2.89	-127.0	2.33	-93.0	1.57	-59.0	584.69	-25.0	1177.08	9.0	1327.25
-160.0	2.87	-126.0	2.34	-92.0	1.57	-58.0	605.63	-24.0	1190.43	10.0	1322.63
-159.0	2.88	-125.0	2.36	-91.0	1.55	-57.0	626.86	-23.0	1202.57	11.0	1317.25
-158.0	2.90	-124.0	2.35	-90.0	1.50	-56.0	649.42	-22.0	1213.88	12.0	1312.86
-157.0	2.92	-123.0	2.30	-89.0	1.46	-55.0	669.41	-21.0	1225.99	13.0	1305.01
-156.0	2.89	-122.0	2.24	-88.0	5.02	-54.0	677.81	-20.0	1237.19	14.0	1297.83
-155.0	2.84	-121.0	2.20	-87.0	15.85	-53.0	698.64	-19.0	1246.84	15.0	1291.51
-154.0	2.80	-120.0	2.17	-86.0	29.62	-52.0	718.22	-18.0	1255.01	16.0	1283.90
-153.0	2.79	-119.0	2.18	-85.0	44.69	-51.0	738.46	-17.0	1265.21	17.0	1275.95
-152.0	2.82	-118.0	2.18	-84.0	60.91	-50.0	760.42	-16.0	1272.56	18.0	1266.79
-151.0	2.84	-117.0	2.15	-83.0	77.83	-49.0	779.05	-15.0	1281.01	19.0	1257.19
-150.0	2.85	-116.0	2.10	-82.0	95.40	-48.0	800.06	-14.0	1288.47	20.0	1247.66
-149.0	2.80	-115.0	2.05	-81.0	113.47	-47.0	818.95	-13.0	1295.40	21.0	1238.15
-148.0	2.76	-114.0	2.02	-80.0	132.22	-46.0	837.69	-12.0	1303.53	22.0	1227.87
-147.0	2.73	-113.0	2.01	-79.0	151.44	-45.0	857.32	-11.0	1307.67	23.0	1217.15

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

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

GW

## Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	1204.04	51.0	762.85	78.0	190.40	105.0	1.75	132.0	2.35	159.0	2.79
25.0	1193.30	52.0	743.58	79.0	170.33	106.0	1.74	133.0	2.35	160.0	2.77
26.0	1180.42	53.0	722.98	80.0	150.26	107.0	1.73	134.0	2.34	161.0	2.78
27.0	1167.43	54.0	701.12	81.0	131.14	108.0	1.74	135.0	2.37	162.0	2.81
28.0	1155.36	55.0	681.20	82.0	112.09	109.0	1.77	136.0	2.41	163.0	2.87
29.0	1142.29	56.0	659.69	83.0	94.01	110.0	1.81	137.0	2.47	164.0	2.90
30.0	1128.40	57.0	637.73	84.0	76.13	111.0	1.87	138.0	2.49	165.0	2.89
31.0	1114.96	58.0	615.71	85.0	59.32	112.0	1.86	139.0	2.47	166.0	2.86
32.0	1099.77	59.0	593.99	86.0	43.02	113.0	1.86	140.0	2.46	167.0	2.83
33.0	1084.16	60.0	572.04	87.0	28.00	114.0	1.86	141.0	2.45	168.0	2.83
34.0	1070.95	61.0	550.42	88.0	14.33	115.0	1.88	142.0	2.49	169.0	2.88
35.0	1053.02	62.0	528.24	89.0	3.96	116.0	1.92	143.0	2.54	170.0	2.93
36.0	1039.06	63.0	507.33	90.0	1.41	117.0	1.97	144.0	2.59	171.0	2.95
37.0	1020.67	64.0	484.49	91.0	1.46	118.0	2.01	145.0	2.61	172.0	2.92
38.0	1004.88	65.0	461.76	92.0	1.48	119.0	2.01	146.0	2.59	173.0	2.89
39.0	989.56	66.0	439.14	93.0	1.48	120.0	1.99	147.0	2.59	174.0	2.88
40.0	970.67	67.0	430.72	94.0	1.48	121.0	2.00	148.0	2.58	175.0	2.90
41.0	953.56	68.0	408.47	95.0	1.55	122.0	2.03	149.0	2.62	176.0	2.93
42.0	936.45	69.0	385.80	96.0	1.55	123.0	2.08	150.0	2.67	177.0	2.96
43.0	916.85	70.0	363.76	97.0	1.59	124.0	2.14	151.0	2.71	178.0	2.95
44.0	898.66	71.0	341.52	98.0	1.63	125.0	2.16	152.0	2.70	179.0	2.91
45.0	880.64	72.0	319.01	99.0	1.63	126.0	2.17	153.0	2.69	180.0	2.89
46.0	861.06	73.0	297.16	100.0	1.62	127.0	2.18	154.0	2.67		
47.0	842.51	74.0	275.16	101.0	1.63	128.0	2.20	155.0	2.69		
48.0	822.35	75.0	253.68	102.0	1.66	129.0	2.25	156.0	2.74		
49.0	803.66	76.0	232.31	103.0	1.69	130.0	2.31	157.0	2.80		
50.0	784.04	77.0	211.58	104.0	1.72	131.0	2.36	158.0	2.80		

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

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