

Light Intensity Distribution Test

Product Information

Product Name: Rhino500-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: 240.8 V

Current: 0.162 A

Power: 37.26 W

PF: 0.954

Photometric Param

Maximum Cand. (I_{vm}): 1314.87 cd

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

Center Cd(I_{vo}): 1314.87 cd

Beam Angle(50%) β : 110.2 deg.

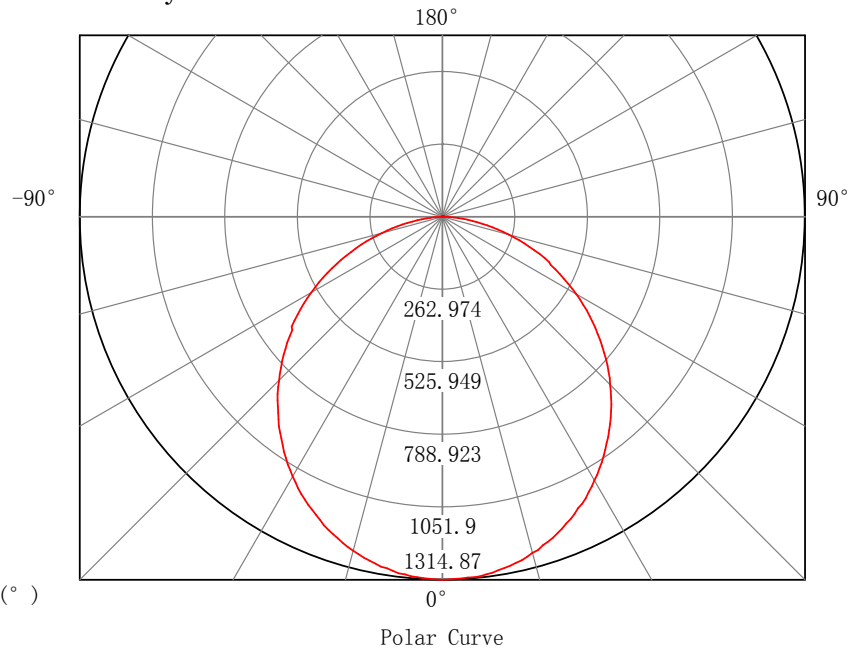
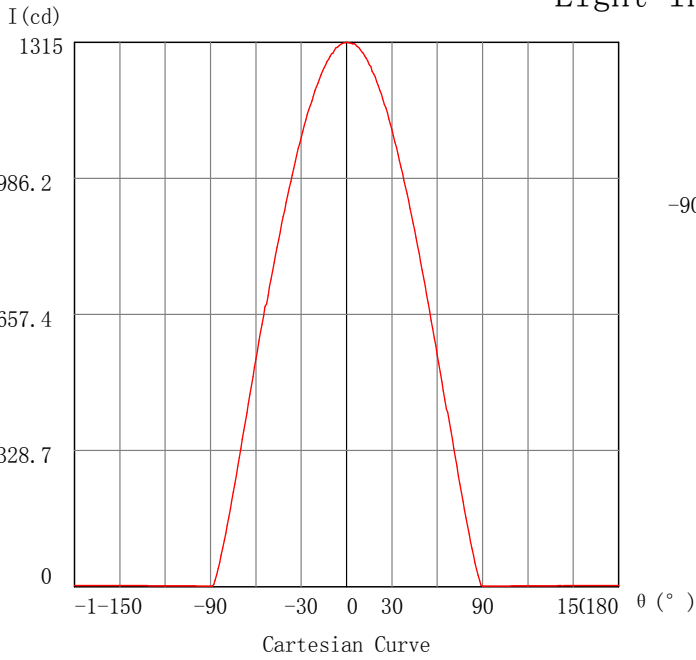
Lumens: 3664.680 lm

Lumen-Effic: 98.354 lm/W

90 Deg. Lumens: 1982.129 lmW

120 Deg. Lumens: 2893.710 lm

Light Intensity Plot



C0-180 ———

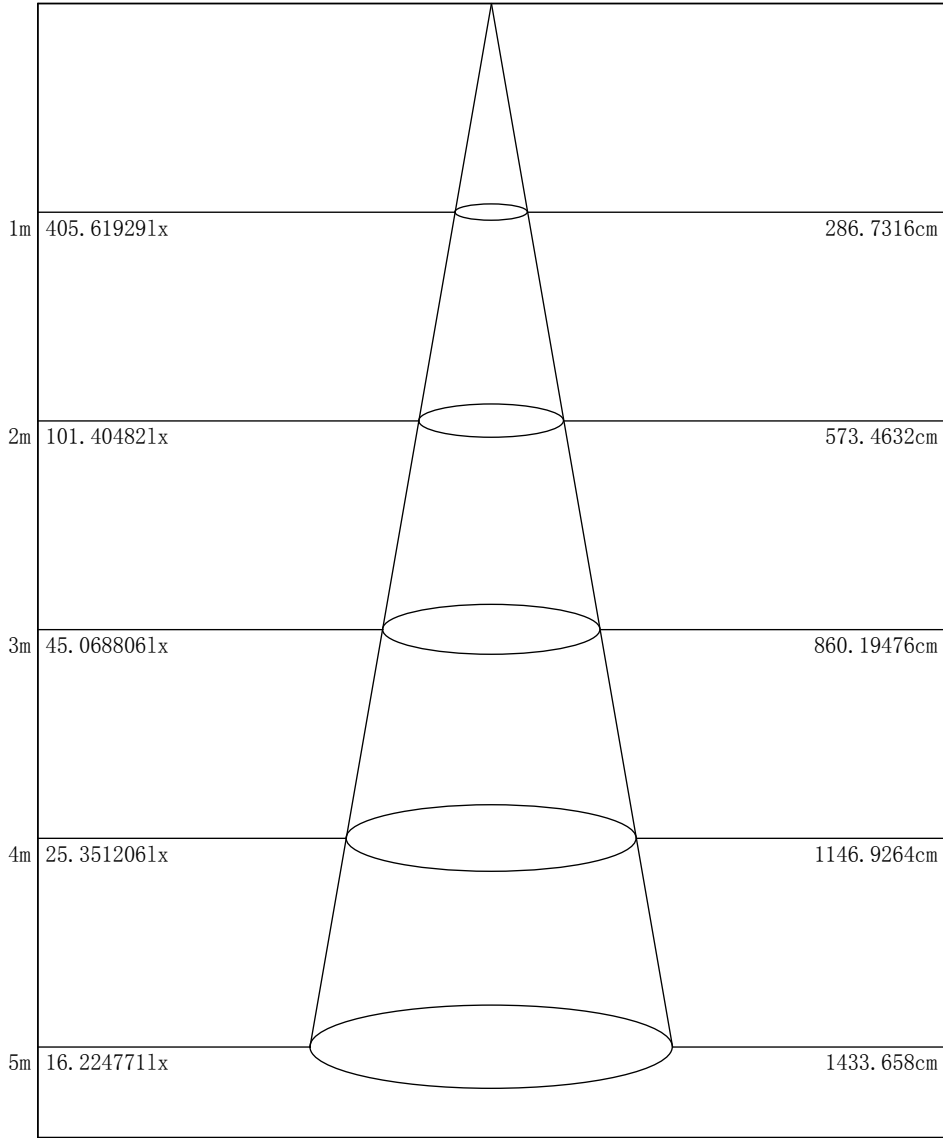
Tabulator: _____

Verifier: _____

Lux-Distance Diagram

Luminous Flux: 3664.68 lm

Beam Luminous Flux: 2619.145 lm



Height Aver. Lux

Beam Ang. =110.2(°)

Beam Dia.

10%Beam Angle= 160.7(°)

50%Beam Angle= 110.2(°)

Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.83	-146.0	2.76	-112.0	2.00	-78.0	167.41	-44.0	856.81	-10.0	1286.62
-179.0	2.84	-145.0	2.75	-111.0	1.95	-77.0	186.98	-43.0	876.59	-9.0	1289.31
-178.0	2.88	-144.0	2.71	-110.0	1.92	-76.0	207.23	-42.0	894.09	-8.0	1295.41
-177.0	2.91	-143.0	2.66	-109.0	1.91	-75.0	227.71	-41.0	909.90	-7.0	1301.43
-176.0	2.91	-142.0	2.62	-108.0	1.92	-74.0	248.62	-40.0	927.41	-6.0	1302.87
-175.0	2.87	-141.0	2.63	-107.0	1.91	-73.0	269.86	-39.0	945.03	-5.0	1307.21
-174.0	2.84	-140.0	2.64	-106.0	1.88	-72.0	290.79	-38.0	963.36	-4.0	1309.28
-173.0	2.85	-139.0	2.64	-105.0	1.83	-71.0	312.36	-37.0	978.10	-3.0	1311.54
-172.0	2.88	-138.0	2.60	-104.0	1.81	-70.0	334.54	-36.0	993.20	-2.0	1312.79
-171.0	2.92	-137.0	2.52	-103.0	1.79	-69.0	355.43	-35.0	1010.17	-1.0	1313.89
-170.0	2.93	-136.0	2.50	-102.0	1.79	-68.0	377.63	-34.0	1027.08	0.0	1314.87
-169.0	2.89	-135.0	2.48	-101.0	1.79	-67.0	398.44	-33.0	1041.61	1.0	1314.06
-168.0	2.87	-134.0	2.49	-100.0	1.76	-66.0	420.10	-32.0	1058.79	2.0	1312.88
-167.0	2.86	-133.0	2.50	-99.0	1.71	-65.0	442.29	-31.0	1071.21	3.0	1312.51
-166.0	2.88	-132.0	2.47	-98.0	1.67	-64.0	464.36	-30.0	1086.46	4.0	1310.67
-165.0	2.91	-131.0	2.42	-97.0	1.65	-63.0	486.32	-29.0	1099.09	5.0	1311.41
-164.0	2.94	-130.0	2.37	-96.0	1.63	-62.0	507.26	-28.0	1114.22	6.0	1309.28
-163.0	2.90	-129.0	2.35	-95.0	1.63	-61.0	529.00	-27.0	1127.66	7.0	1304.74
-162.0	2.85	-128.0	2.35	-94.0	1.61	-60.0	550.05	-26.0	1139.83	8.0	1302.29
-161.0	2.83	-127.0	2.37	-93.0	1.57	-59.0	571.57	-25.0	1152.22	9.0	1296.69
-160.0	2.85	-126.0	2.37	-92.0	1.52	-58.0	592.66	-24.0	1162.33	10.0	1291.97
-159.0	2.87	-125.0	2.32	-91.0	1.49	-57.0	614.09	-23.0	1173.52	11.0	1288.52
-158.0	2.89	-124.0	2.27	-90.0	1.48	-56.0	633.62	-22.0	1184.49	12.0	1281.88
-157.0	2.86	-123.0	2.24	-89.0	1.49	-55.0	654.76	-21.0	1197.83	13.0	1276.77
-156.0	2.80	-122.0	2.21	-88.0	4.96	-54.0	676.38	-20.0	1207.63	14.0	1269.58
-155.0	2.78	-121.0	2.22	-87.0	15.48	-53.0	682.21	-19.0	1216.38	15.0	1260.47
-154.0	2.77	-120.0	2.22	-86.0	28.67	-52.0	702.68	-18.0	1225.30	16.0	1255.71
-153.0	2.79	-119.0	2.16	-85.0	43.48	-51.0	724.17	-17.0	1235.60	17.0	1244.49
-152.0	2.82	-118.0	2.12	-84.0	59.33	-50.0	742.96	-16.0	1245.27	18.0	1238.17
-151.0	2.81	-117.0	2.07	-83.0	75.92	-49.0	762.90	-15.0	1252.20	19.0	1230.32
-150.0	2.77	-116.0	2.05	-82.0	92.99	-48.0	783.17	-14.0	1259.39	20.0	1219.88
-149.0	2.73	-115.0	2.05	-81.0	110.96	-47.0	800.53	-13.0	1268.23	21.0	1210.28
-148.0	2.72	-114.0	2.05	-80.0	129.27	-46.0	819.78	-12.0	1273.40	22.0	1198.94
-147.0	2.73	-113.0	2.05	-79.0	148.02	-45.0	838.24	-11.0	1280.09	23.0	1189.63

Tabulator: _____

Verifier: _____

Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	1178.03	51.0	745.05	78.0	186.60	105.0	1.73	132.0	2.31	159.0	2.71
25.0	1165.04	52.0	725.55	79.0	166.35	106.0	1.73	133.0	2.35	160.0	2.77
26.0	1156.06	53.0	704.87	80.0	147.06	107.0	1.72	134.0	2.37	161.0	2.80
27.0	1143.91	54.0	685.25	81.0	128.04	108.0	1.73	135.0	2.35	162.0	2.80
28.0	1130.22	55.0	664.22	82.0	109.74	109.0	1.74	136.0	2.35	163.0	2.78
29.0	1116.52	56.0	643.73	83.0	91.70	110.0	1.77	137.0	2.34	164.0	2.77
30.0	1102.61	57.0	623.36	84.0	74.63	111.0	1.83	138.0	2.38	165.0	2.76
31.0	1089.90	58.0	601.05	85.0	57.77	112.0	1.87	139.0	2.43	166.0	2.80
32.0	1073.78	59.0	581.77	86.0	42.11	113.0	1.87	140.0	2.47	167.0	2.84
33.0	1061.29	60.0	560.17	87.0	27.31	114.0	1.86	141.0	2.48	168.0	2.87
34.0	1044.22	61.0	538.67	88.0	14.25	115.0	1.86	142.0	2.47	169.0	2.85
35.0	1029.81	62.0	516.59	89.0	3.98	116.0	1.88	143.0	2.45	170.0	2.82
36.0	1013.17	63.0	494.99	90.0	1.43	117.0	1.91	144.0	2.47	171.0	2.80
37.0	998.77	64.0	473.27	91.0	1.46	118.0	1.97	145.0	2.50	172.0	2.82
38.0	981.85	65.0	451.24	92.0	1.47	119.0	2.00	146.0	2.55	173.0	2.85
39.0	965.54	66.0	429.23	93.0	1.46	120.0	2.01	147.0	2.60	174.0	2.90
40.0	949.92	67.0	421.10	94.0	1.47	121.0	2.00	148.0	2.60	175.0	2.91
41.0	931.69	68.0	399.69	95.0	1.54	122.0	1.99	149.0	2.58	176.0	2.87
42.0	914.39	69.0	377.12	96.0	1.55	123.0	2.01	150.0	2.57	177.0	2.85
43.0	896.84	70.0	355.71	97.0	1.60	124.0	2.05	151.0	2.58	178.0	2.83
44.0	878.15	71.0	333.79	98.0	1.62	125.0	2.12	152.0	2.61	179.0	2.85
45.0	859.92	72.0	312.01	99.0	1.62	126.0	2.17	153.0	2.66	180.0	2.89
46.0	842.95	73.0	290.88	100.0	1.61	127.0	2.19	154.0	2.70		
47.0	822.38	74.0	269.03	101.0	1.61	128.0	2.20	155.0	2.70		
48.0	805.59	75.0	247.69	102.0	1.65	129.0	2.20	156.0	2.69		
49.0	785.14	76.0	227.24	103.0	1.65	130.0	2.21	157.0	2.67		
50.0	765.30	77.0	206.53	104.0	1.70	131.0	2.25	158.0	2.67		

Tabulator: _____

Verifier: _____