

# Light Intensity Distribution Test

## Product Information

Product Name: GWAVTC10WD-4000K

Manufacture: GW

Operator: hua

Test Date: 2023-08-15

## Test Condition

Temperature: 33.1 Cels.

Humidity: 60 %

Start Angle: -180 Deg.

End Angle: 180 Deg.

Step Angle: 1 Deg.

Plane Number.: 1

Test Distance: 3.5 m

## Electric Param

Voltage: 239.8 V

Current: 0.039 A

Power: 8.731 W

PF: 0.92

## Photometric Param

Maximum Cand. (I<sub>m</sub>): 272.30 cd

Max. Cand. Angle(Deg): C=180.0 gama= 4.0

Center Cd(I<sub>v</sub>): 269.75 cd

Beam Angle(50%) β : 109.4 deg.

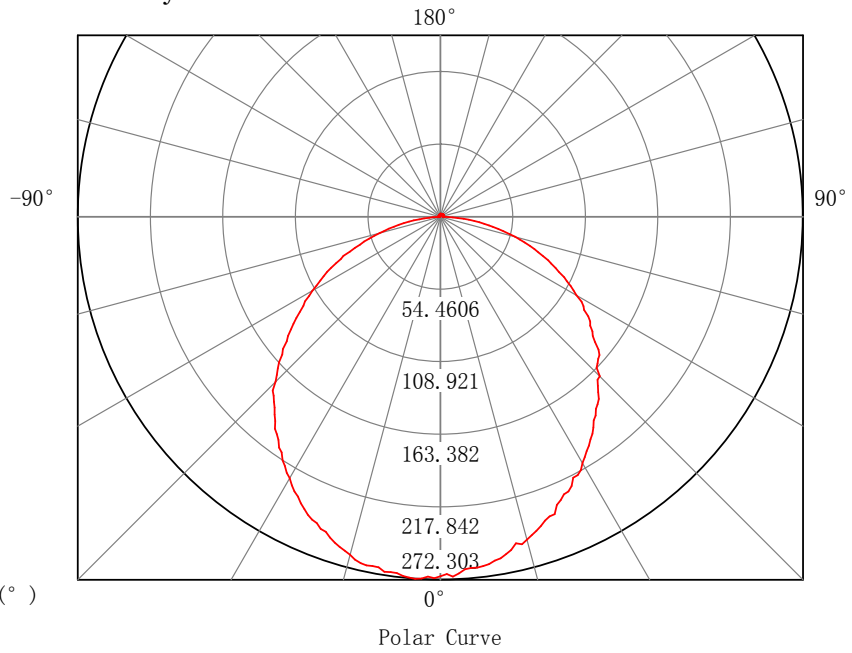
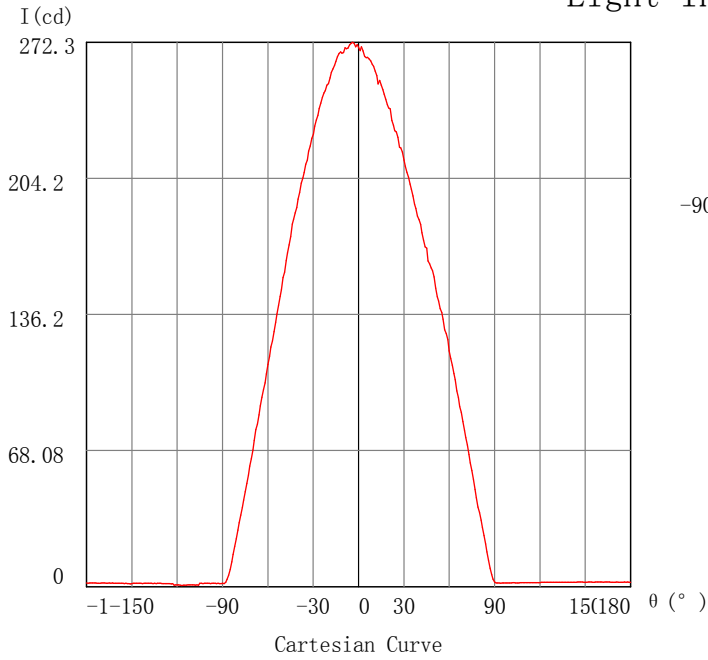
Lumens: 761.880 lm

Lumen-Effic: 87.261 lm/W

90 Deg. Lumens: 400.433 lm/W

120 Deg. Lumens: 586.203 lm

## Light Intensity Plot



C0-180 —————

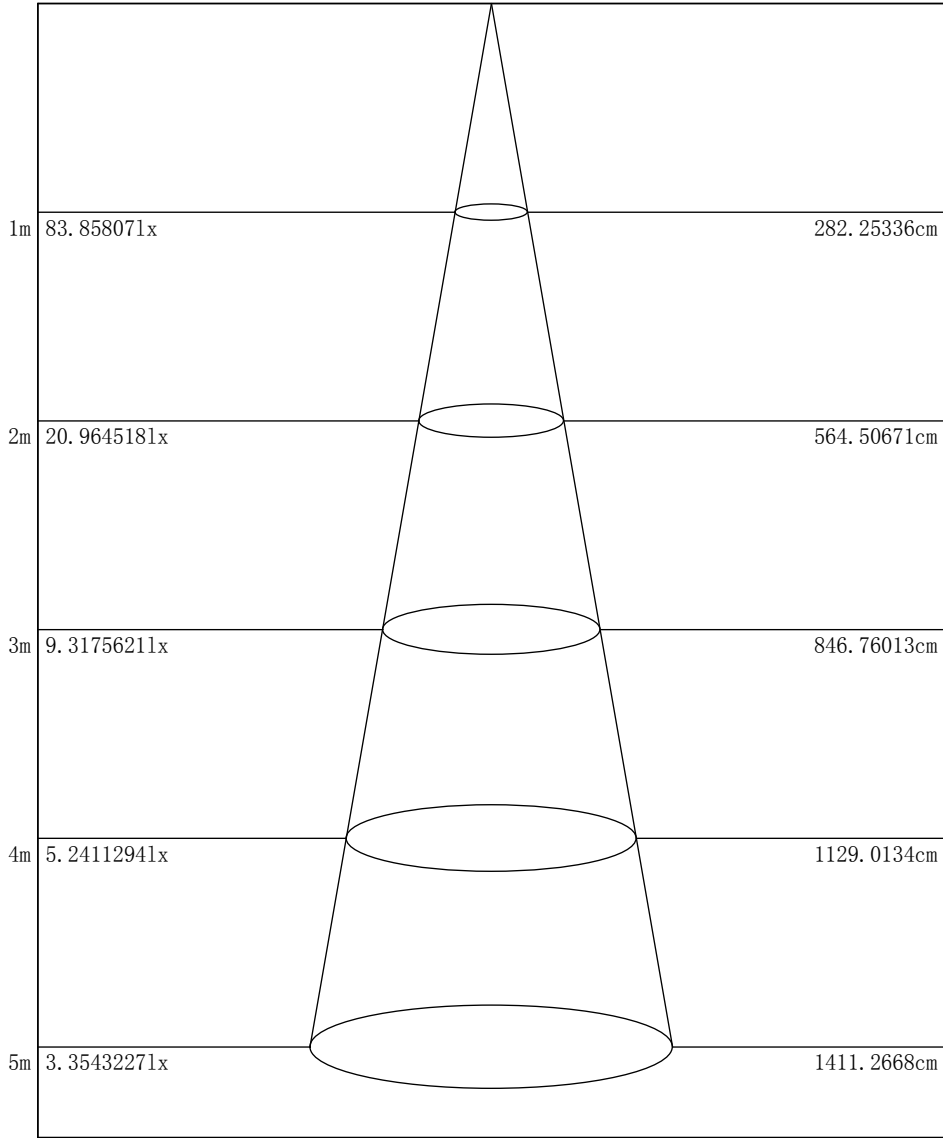
Tabulator: \_\_\_\_\_

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

# Lux-Distance Diagram

Luminous Flux: 761.8801 lm

Beam Luminous Flux: 524.7023 lm



Height Aver. Lux

Beam Ang. =109.4(° )

Beam Dia.

10%Beam Angle= 162.8(° )

50%Beam Angle= 109.4(° )

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 Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	1.81	-146.0	1.78	-112.0	0.89	-78.0	35.77	-44.0	181.29	-10.0	267.09
-179.0	1.78	-145.0	1.66	-111.0	0.93	-77.0	39.72	-43.0	183.74	-9.0	269.61
-178.0	1.80	-144.0	1.74	-110.0	0.92	-76.0	43.37	-42.0	186.98	-8.0	269.12
-177.0	1.81	-143.0	1.58	-109.0	0.88	-75.0	47.43	-41.0	189.68	-7.0	269.34
-176.0	1.84	-142.0	1.74	-108.0	0.83	-74.0	51.63	-40.0	193.77	-6.0	270.96
-175.0	1.85	-141.0	1.67	-107.0	0.92	-73.0	55.79	-39.0	197.20	-5.0	271.78
-174.0	1.91	-140.0	1.79	-106.0	0.81	-72.0	60.24	-38.0	201.80	-4.0	272.30
-173.0	1.74	-139.0	1.70	-105.0	1.67	-71.0	64.05	-37.0	204.34	-3.0	271.72
-172.0	1.77	-138.0	1.75	-104.0	1.67	-70.0	68.26	-36.0	207.05	-2.0	270.06
-171.0	1.80	-137.0	1.68	-103.0	1.61	-69.0	73.06	-35.0	211.33	-1.0	271.09
-170.0	1.81	-136.0	1.57	-102.0	1.74	-68.0	78.55	-34.0	213.39	0.0	269.75
-169.0	1.83	-135.0	1.68	-101.0	1.73	-67.0	81.25	-33.0	217.93	1.0	268.17
-168.0	1.83	-134.0	1.60	-100.0	1.73	-66.0	85.86	-32.0	220.46	2.0	270.09
-167.0	1.79	-133.0	1.69	-99.0	1.76	-65.0	90.36	-31.0	224.22	3.0	267.95
-166.0	1.75	-132.0	1.67	-98.0	1.64	-64.0	94.66	-30.0	226.33	4.0	265.14
-165.0	1.85	-131.0	1.67	-97.0	1.66	-63.0	98.59	-29.0	230.34	5.0	264.58
-164.0	1.78	-130.0	1.60	-96.0	1.66	-62.0	102.00	-28.0	233.42	6.0	264.74
-163.0	1.82	-129.0	1.58	-95.0	1.71	-61.0	106.42	-27.0	235.73	7.0	264.01
-162.0	1.76	-128.0	1.49	-94.0	1.61	-60.0	111.18	-26.0	239.23	8.0	263.04
-161.0	1.79	-127.0	1.64	-93.0	1.74	-59.0	115.15	-25.0	241.84	9.0	261.27
-160.0	1.76	-126.0	1.62	-92.0	1.59	-58.0	119.93	-24.0	244.79	10.0	260.18
-159.0	1.73	-125.0	1.60	-91.0	1.55	-57.0	122.85	-23.0	246.98	11.0	257.95
-158.0	1.68	-124.0	1.34	-90.0	1.68	-56.0	127.49	-22.0	248.07	12.0	255.66
-157.0	1.67	-123.0	1.46	-89.0	1.55	-55.0	132.23	-21.0	250.81	13.0	251.47
-156.0	1.74	-122.0	0.81	-88.0	2.13	-54.0	136.43	-20.0	251.58	14.0	253.27
-155.0	1.64	-121.0	0.92	-87.0	3.58	-53.0	140.72	-19.0	254.56	15.0	250.81
-154.0	1.76	-120.0	0.90	-86.0	5.71	-52.0	145.12	-18.0	257.23	16.0	248.63
-153.0	1.62	-119.0	0.87	-85.0	8.68	-51.0	148.52	-17.0	259.07	17.0	246.33
-152.0	1.63	-118.0	0.80	-84.0	12.38	-50.0	154.53	-16.0	260.68	18.0	243.84
-151.0	1.42	-117.0	0.58	-83.0	16.11	-49.0	157.36	-15.0	262.69	19.0	241.14
-150.0	1.63	-116.0	0.84	-82.0	20.17	-48.0	163.16	-14.0	265.10	20.0	239.40
-149.0	1.65	-115.0	0.74	-81.0	23.89	-47.0	166.95	-13.0	266.74	21.0	238.99
-148.0	1.76	-114.0	0.84	-80.0	28.24	-46.0	170.86	-12.0	267.49	22.0	233.19
-147.0	1.74	-113.0	0.97	-79.0	32.02	-45.0	175.15	-11.0	266.88	23.0	230.84

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	228.01	51.0	149.38	78.0	44.50	105.0	1.89	132.0	2.12	159.0	2.36
25.0	227.40	52.0	145.06	79.0	39.85	106.0	1.90	133.0	2.21	160.0	2.31
26.0	224.65	53.0	142.95	80.0	37.15	107.0	1.95	134.0	2.20	161.0	2.29
27.0	219.86	54.0	139.04	81.0	33.33	108.0	1.95	135.0	2.22	162.0	2.27
28.0	219.40	55.0	137.15	82.0	29.55	109.0	2.02	136.0	2.22	163.0	2.30
29.0	217.38	56.0	133.75	83.0	25.59	110.0	1.98	137.0	2.20	164.0	2.33
30.0	213.34	57.0	128.46	84.0	21.45	111.0	1.98	138.0	2.23	165.0	2.37
31.0	210.36	58.0	126.67	85.0	17.38	112.0	1.98	139.0	2.25	166.0	2.35
32.0	207.34	59.0	123.51	86.0	13.19	113.0	1.99	140.0	2.28	167.0	2.24
33.0	204.82	60.0	118.00	87.0	9.26	114.0	2.03	141.0	2.26	168.0	2.21
34.0	201.39	61.0	114.19	88.0	5.97	115.0	2.09	142.0	2.19	169.0	2.22
35.0	198.78	62.0	110.71	89.0	3.76	116.0	2.07	143.0	2.26	170.0	2.25
36.0	195.38	63.0	106.48	90.0	2.32	117.0	2.03	144.0	2.26	171.0	2.34
37.0	191.29	64.0	103.46	91.0	1.86	118.0	2.00	145.0	2.29	172.0	2.28
38.0	189.20	65.0	97.93	92.0	1.83	119.0	2.00	146.0	2.34	173.0	2.26
39.0	185.35	66.0	94.64	93.0	1.81	120.0	2.05	147.0	2.31	174.0	2.27
40.0	183.66	67.0	90.14	94.0	1.78	121.0	2.14	148.0	2.30	175.0	2.28
41.0	181.24	68.0	87.25	95.0	1.82	122.0	2.14	149.0	2.28	176.0	2.31
42.0	177.04	69.0	82.58	96.0	1.90	123.0	2.11	150.0	2.26	177.0	2.28
43.0	173.29	70.0	78.27	97.0	1.84	124.0	2.11	151.0	2.28	178.0	2.32
44.0	169.91	71.0	74.63	98.0	1.89	125.0	2.12	152.0	2.35	179.0	2.26
45.0	169.28	72.0	70.83	99.0	1.89	126.0	2.13	153.0	2.36	180.0	2.21
46.0	163.02	73.0	65.98	100.0	1.87	127.0	2.19	154.0	2.34		
47.0	161.44	74.0	61.98	101.0	1.93	128.0	2.23	155.0	2.28		
48.0	159.46	75.0	58.04	102.0	1.96	129.0	2.19	156.0	2.24		
49.0	158.19	76.0	53.50	103.0	1.95	130.0	2.13	157.0	2.33		
50.0	154.99	77.0	48.63	104.0	1.95	131.0	2.11	158.0	2.36		

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