

# Light Intensity Distribution Test

## Product Information

Product Name: Jupiter 20W-3000K

Manufactory: GW

Operator: hua

Test Date: 2021-04-26

## Test Condition

Temperature: 30.9 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: 234.1 V

Current: 0.11 A

Power: 24.52 W

PF: 0.95

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 686.21 cd

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

Center Cd(I<sub>vo</sub>): 685.92 cd

Beam Angle(50%) β : 112.7 deg.

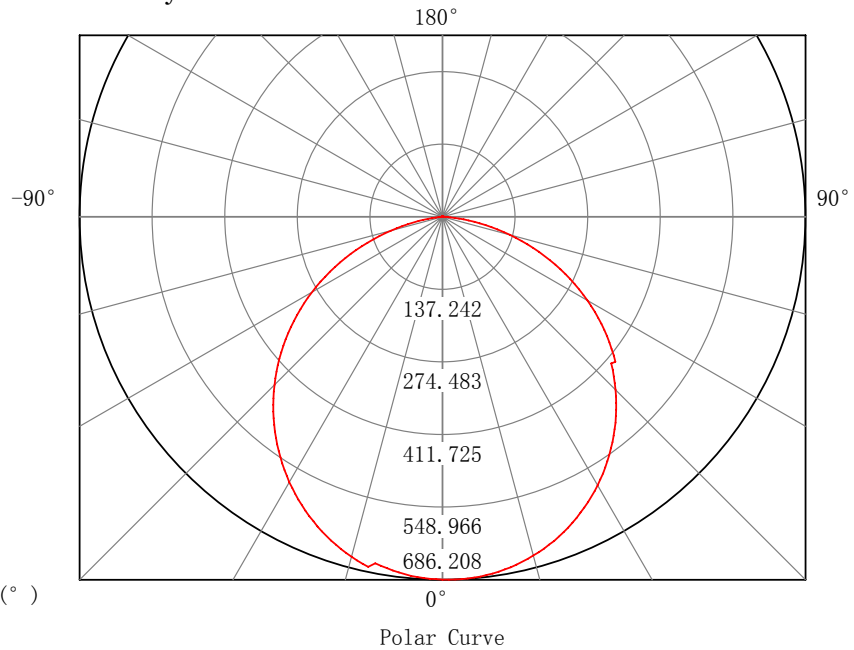
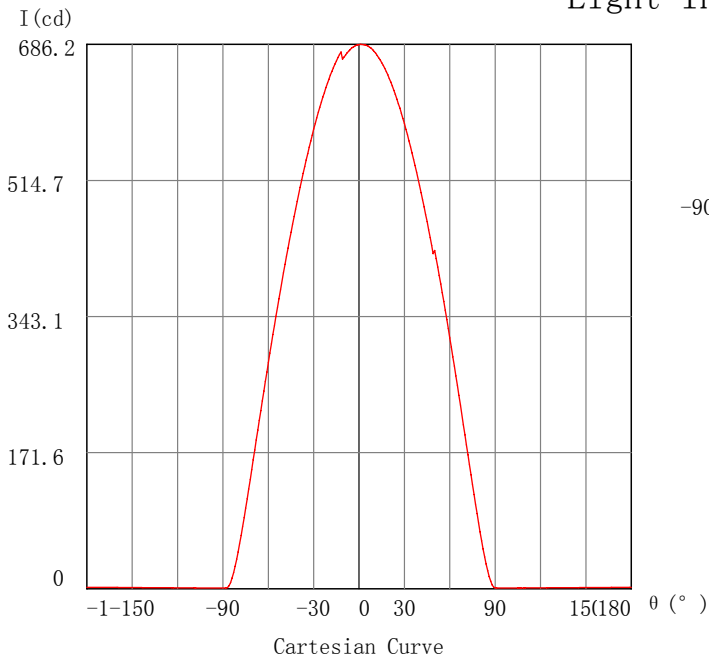
Lumens: 1938.906 lm

Lumen-Effic: 79.074 lm/W

90 Deg. Lumens: 1054.019 lmW

120 Deg. Lumens: 1548.155 lm

## Light Intensity Plot



C0-180 ————

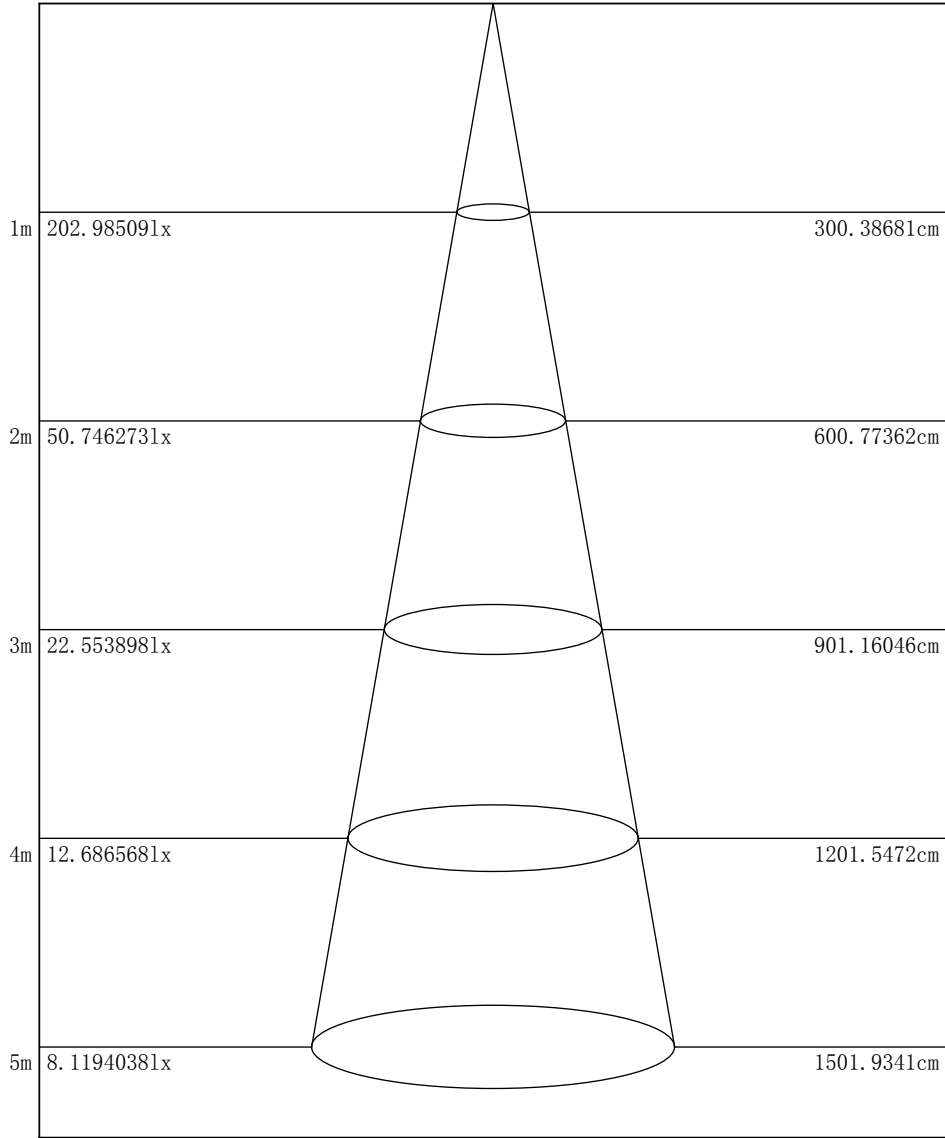
Tabulator: \_\_\_\_\_

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

# Lux-Distance Diagram

Luminous Flux: 1938.906 lm

Beam Luminous Flux: 1438.52 lm



Height Aver. Lux

Beam Ang. =112.7(° )

Beam Dia.

10%Beam Angle= 158.2(° )

50%Beam Angle= 112.7(° )

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

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

## Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	1.80	-146.0	1.55	-112.0	1.08	-78.0	67.23	-44.0	459.37	-10.0	670.10
-179.0	1.79	-145.0	1.52	-111.0	1.07	-77.0	78.28	-43.0	469.09	-9.0	672.49
-178.0	1.77	-144.0	1.48	-110.0	1.05	-76.0	89.74	-42.0	478.35	-8.0	675.43
-177.0	1.76	-143.0	1.47	-109.0	1.03	-75.0	101.39	-41.0	488.12	-7.0	677.46
-176.0	1.77	-142.0	1.46	-108.0	1.00	-74.0	113.39	-40.0	497.02	-6.0	679.39
-175.0	1.79	-141.0	1.47	-107.0	0.99	-73.0	125.49	-39.0	505.98	-5.0	681.66
-174.0	1.82	-140.0	1.48	-106.0	0.99	-72.0	137.73	-38.0	514.96	-4.0	682.73
-173.0	1.82	-139.0	1.45	-105.0	1.00	-71.0	150.12	-37.0	523.42	-3.0	683.87
-172.0	1.79	-138.0	1.42	-104.0	1.00	-70.0	162.51	-36.0	532.09	-2.0	685.08
-171.0	1.75	-137.0	1.38	-103.0	1.00	-69.0	174.90	-35.0	540.44	-1.0	685.25
-170.0	1.74	-136.0	1.37	-102.0	0.98	-68.0	187.46	-34.0	548.47	0.0	685.92
-169.0	1.74	-135.0	1.37	-101.0	0.95	-67.0	199.73	-33.0	556.60	1.0	686.21
-168.0	1.76	-134.0	1.38	-100.0	0.94	-66.0	212.15	-32.0	564.32	2.0	686.07
-167.0	1.78	-133.0	1.38	-99.0	0.93	-65.0	224.57	-31.0	571.71	3.0	685.94
-166.0	1.75	-132.0	1.36	-98.0	0.94	-64.0	236.80	-30.0	579.51	4.0	685.39
-165.0	1.71	-131.0	1.32	-97.0	0.95	-63.0	249.06	-29.0	586.35	5.0	684.85
-164.0	1.69	-130.0	1.28	-96.0	0.95	-62.0	261.29	-28.0	593.38	6.0	684.03
-163.0	1.68	-129.0	1.27	-95.0	0.93	-61.0	273.16	-27.0	600.62	7.0	682.45
-162.0	1.68	-128.0	1.26	-94.0	0.92	-60.0	285.28	-26.0	606.76	8.0	681.32
-161.0	1.69	-127.0	1.27	-93.0	0.90	-59.0	296.98	-25.0	613.37	9.0	679.32
-160.0	1.69	-126.0	1.27	-92.0	0.89	-58.0	308.76	-24.0	619.72	10.0	677.12
-159.0	1.67	-125.0	1.25	-91.0	0.89	-57.0	320.44	-23.0	625.40	11.0	675.14
-158.0	1.64	-124.0	1.21	-90.0	0.90	-56.0	331.84	-22.0	631.47	12.0	672.14
-157.0	1.62	-123.0	1.18	-89.0	0.91	-55.0	343.28	-21.0	636.97	13.0	669.37
-156.0	1.62	-122.0	1.16	-88.0	0.93	-54.0	354.53	-20.0	642.13	14.0	666.53
-155.0	1.64	-121.0	1.15	-87.0	1.59	-53.0	365.52	-19.0	647.49	15.0	662.99
-154.0	1.66	-120.0	1.16	-86.0	3.70	-52.0	376.70	-18.0	652.09	16.0	659.68
-153.0	1.64	-119.0	1.17	-85.0	7.75	-51.0	387.39	-17.0	656.82	17.0	655.97
-152.0	1.61	-118.0	1.15	-84.0	13.37	-50.0	398.13	-16.0	661.53	18.0	651.83
-151.0	1.58	-117.0	1.12	-83.0	20.23	-49.0	408.79	-15.0	665.32	19.0	647.96
-150.0	1.56	-116.0	1.09	-82.0	28.16	-48.0	419.12	-14.0	669.62	20.0	643.09
-149.0	1.55	-115.0	1.08	-81.0	36.93	-47.0	429.35	-13.0	673.28	21.0	638.62
-148.0	1.56	-114.0	1.06	-80.0	46.42	-46.0	439.64	-12.0	676.55	22.0	633.68
-147.0	1.57	-113.0	1.07	-79.0	56.58	-45.0	449.45	-11.0	667.45	23.0	628.18

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	623.07	51.0	416.33	78.0	94.70	105.0	0.99	132.0	1.29	159.0	1.62
25.0	617.00	52.0	405.56	79.0	83.08	106.0	1.01	133.0	1.33	160.0	1.65
26.0	611.24	53.0	394.95	80.0	71.64	107.0	0.99	134.0	1.35	161.0	1.67
27.0	605.66	54.0	384.19	81.0	60.73	108.0	0.98	135.0	1.34	162.0	1.66
28.0	599.09	55.0	373.10	82.0	50.16	109.0	0.99	136.0	1.33	163.0	1.65
29.0	592.88	56.0	362.09	83.0	40.36	110.0	1.00	137.0	1.34	164.0	1.64
30.0	586.33	57.0	350.93	84.0	31.14	111.0	1.03	138.0	1.36	165.0	1.63
31.0	579.12	58.0	339.29	85.0	22.86	112.0	1.06	139.0	1.40	166.0	1.66
32.0	572.29	59.0	327.97	86.0	15.52	113.0	1.07	140.0	1.43	167.0	1.69
33.0	564.71	60.0	316.22	87.0	9.49	114.0	1.06	141.0	1.45	168.0	1.72
34.0	557.19	61.0	304.37	88.0	4.90	115.0	1.05	142.0	1.44	169.0	1.71
35.0	549.49	62.0	292.51	89.0	2.07	116.0	1.06	143.0	1.43	170.0	1.69
36.0	541.18	63.0	280.48	90.0	1.11	117.0	1.08	144.0	1.43	171.0	1.68
37.0	533.45	64.0	268.35	91.0	0.90	118.0	1.11	145.0	1.45	172.0	1.68
38.0	525.15	65.0	256.19	92.0	0.90	119.0	1.14	146.0	1.48	173.0	1.70
39.0	516.79	66.0	243.77	93.0	0.89	120.0	1.16	147.0	1.52	174.0	1.74
40.0	508.42	67.0	231.51	94.0	0.89	121.0	1.15	148.0	1.53	175.0	1.76
41.0	499.34	68.0	218.96	95.0	0.89	122.0	1.14	149.0	1.52	176.0	1.74
42.0	490.58	69.0	206.50	96.0	0.91	123.0	1.15	150.0	1.50	177.0	1.72
43.0	481.33	70.0	193.95	97.0	0.93	124.0	1.17	151.0	1.50	178.0	1.71
44.0	471.82	71.0	181.39	98.0	0.95	125.0	1.20	152.0	1.53	179.0	1.72
45.0	462.59	72.0	168.79	99.0	0.95	126.0	1.23	153.0	1.56	180.0	1.74
46.0	452.58	73.0	156.29	100.0	0.94	127.0	1.25	154.0	1.60		
47.0	442.58	74.0	143.66	101.0	0.93	128.0	1.24	155.0	1.62		
48.0	432.76	75.0	131.33	102.0	0.93	129.0	1.23	156.0	1.62		
49.0	422.44	76.0	118.88	103.0	0.95	130.0	1.24	157.0	1.61		
50.0	426.45	77.0	106.72	104.0	0.97	131.0	1.25	158.0	1.61		

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

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