

Light Intensity Distribution Test

Product Information

Product Name: GWAVTC10WD-3000K

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: 239.9 V

Current: 0.04 A

Power: 8.93 W

PF: 0.921

Photometric Param

Maximum Cand. (I_{vm}): 225.76 cd

Max. Cand. Angle(Deg): C=180.0 gama= 5.0

Center Cd(I_{vo}): 224.94 cd

Beam Angle(50%) β : 111.4 deg.

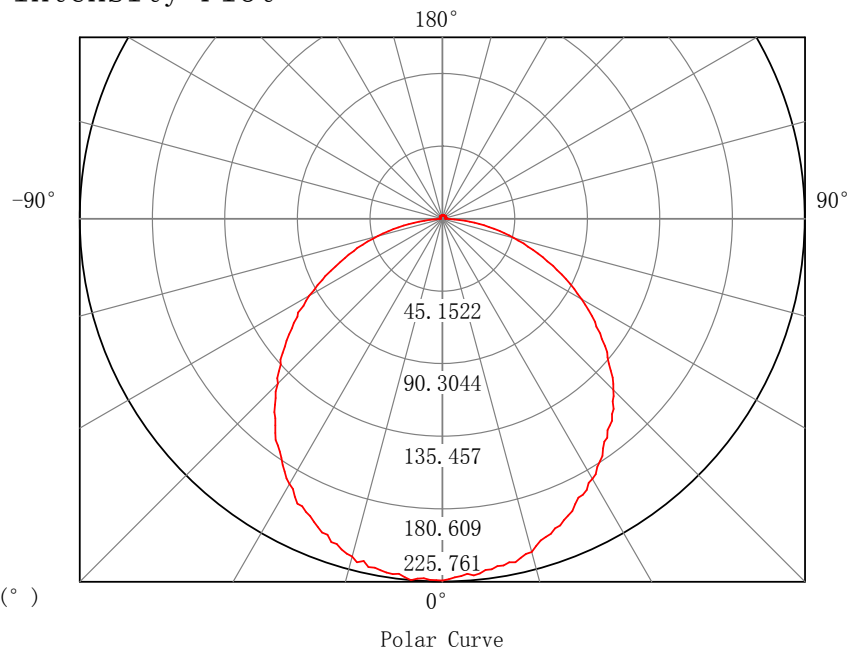
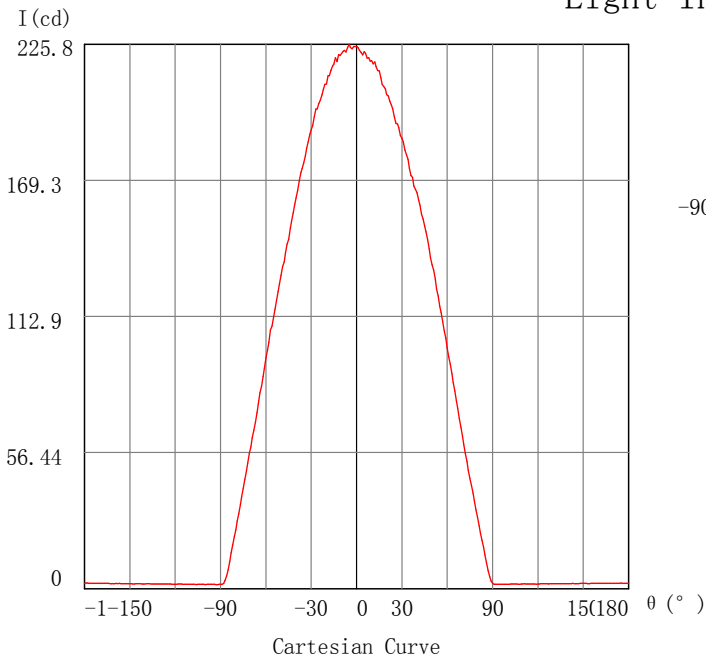
Lumens: 651.409 lm

Lumen-Effic: 72.946 lm/W

90 Deg. Lumens: 341.424 lm/W

120 Deg. Lumens: 501.097 lm

Light Intensity Plot



C0-180 —————

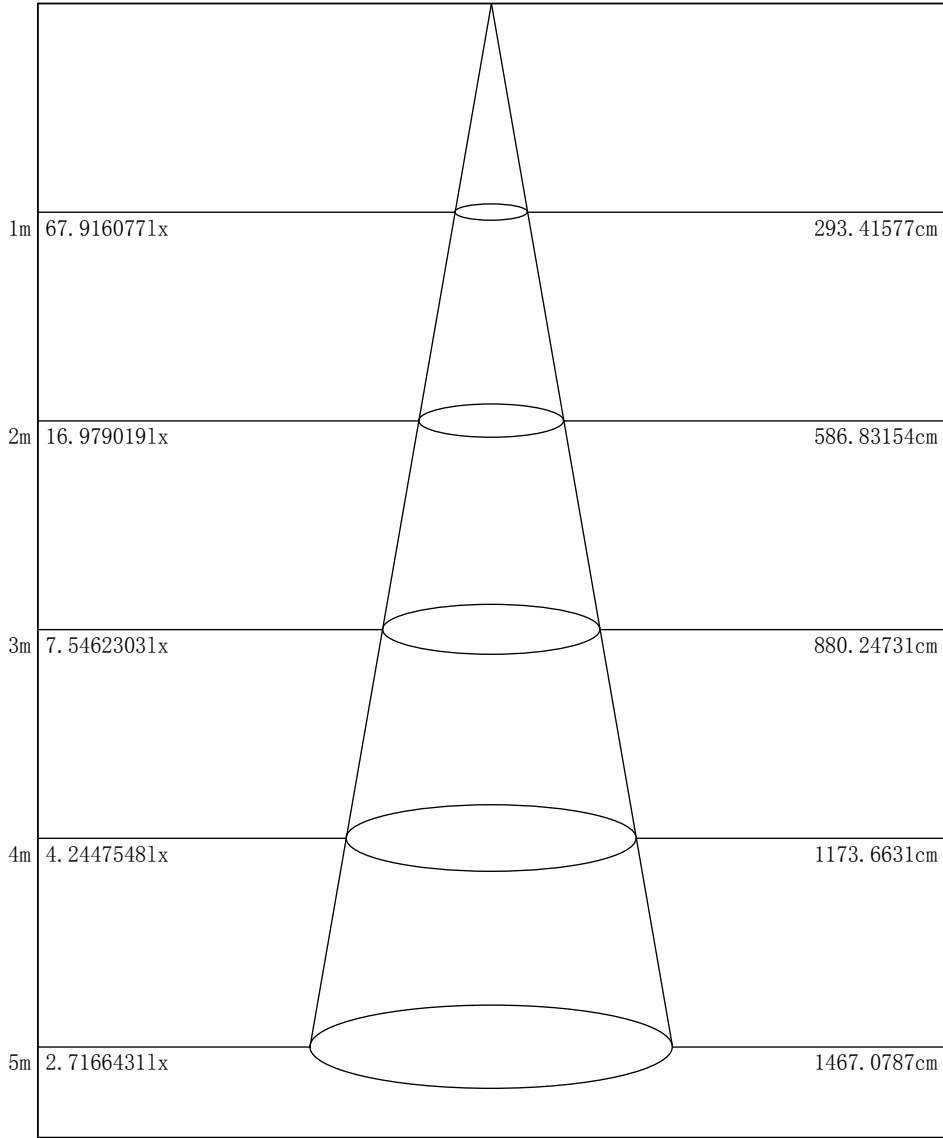
Tabulator: _____

Verifier: _____

Lux-Distance Diagram

Luminous Flux: 651.4094 lm

Beam Luminous Flux: 459.229 lm



Height Aver. Lux

Beam Ang. =111.4(°)

Beam Dia.

10%Beam Angle= 162.8(°)

50%Beam Angle= 111.4(°)

Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.24	-146.0	2.04	-112.0	1.74	-78.0	31.16	-44.0	149.43	-10.0	221.95
-179.0	2.28	-145.0	2.08	-111.0	1.75	-77.0	34.69	-43.0	152.41	-9.0	222.82
-178.0	2.30	-144.0	2.09	-110.0	1.77	-76.0	38.25	-42.0	155.74	-8.0	223.19
-177.0	2.24	-143.0	2.05	-109.0	1.76	-75.0	41.68	-41.0	159.51	-7.0	222.60
-176.0	2.20	-142.0	2.02	-108.0	1.80	-74.0	45.37	-40.0	162.01	-6.0	224.36
-175.0	2.19	-141.0	1.97	-107.0	1.76	-73.0	48.75	-39.0	165.22	-5.0	225.76
-174.0	2.18	-140.0	1.97	-106.0	1.74	-72.0	52.15	-38.0	169.11	-4.0	224.34
-173.0	2.23	-139.0	2.04	-105.0	1.78	-71.0	56.08	-37.0	172.45	-3.0	223.93
-172.0	2.25	-138.0	2.05	-104.0	1.83	-70.0	58.88	-36.0	174.22	-2.0	224.80
-171.0	2.25	-137.0	2.06	-103.0	1.85	-69.0	62.66	-35.0	176.68	-1.0	224.84
-170.0	2.21	-136.0	2.01	-102.0	1.77	-68.0	65.64	-34.0	179.48	0.0	224.94
-169.0	2.16	-135.0	1.99	-101.0	1.77	-67.0	69.04	-33.0	182.64	1.0	224.29
-168.0	2.16	-134.0	1.98	-100.0	1.73	-66.0	73.03	-32.0	185.34	2.0	223.26
-167.0	2.16	-133.0	1.97	-99.0	1.74	-65.0	76.50	-31.0	188.48	3.0	222.45
-166.0	2.19	-132.0	1.99	-98.0	1.77	-64.0	81.18	-30.0	190.51	4.0	221.37
-165.0	2.19	-131.0	2.01	-97.0	1.75	-63.0	83.88	-29.0	192.15	5.0	222.70
-164.0	2.21	-130.0	1.99	-96.0	1.81	-62.0	88.01	-28.0	195.73	6.0	221.96
-163.0	2.13	-129.0	1.95	-95.0	1.77	-61.0	91.45	-27.0	198.88	7.0	220.02
-162.0	2.12	-128.0	1.93	-94.0	1.74	-60.0	95.76	-26.0	198.98	8.0	220.17
-161.0	2.12	-127.0	1.92	-93.0	1.73	-59.0	99.09	-25.0	201.22	9.0	218.78
-160.0	2.12	-126.0	1.92	-92.0	1.73	-58.0	102.16	-24.0	202.60	10.0	218.99
-159.0	2.16	-125.0	1.94	-91.0	1.76	-57.0	107.32	-23.0	204.81	11.0	217.67
-158.0	2.15	-124.0	1.95	-90.0	1.81	-56.0	108.99	-22.0	206.89	12.0	218.50
-157.0	2.16	-123.0	1.93	-89.0	1.78	-55.0	112.82	-21.0	209.12	13.0	216.37
-156.0	2.13	-122.0	1.87	-88.0	2.22	-54.0	115.77	-20.0	209.27	14.0	214.81
-155.0	2.06	-121.0	1.81	-87.0	3.37	-53.0	119.60	-19.0	212.75	15.0	214.65
-154.0	2.04	-120.0	1.83	-86.0	5.20	-52.0	123.24	-18.0	212.79	16.0	211.79
-153.0	2.07	-119.0	1.79	-85.0	7.90	-51.0	126.27	-17.0	215.05	17.0	209.21
-152.0	2.14	-118.0	1.91	-84.0	11.34	-50.0	129.91	-16.0	216.76	18.0	208.17
-151.0	2.13	-117.0	1.91	-83.0	14.81	-49.0	133.60	-15.0	217.54	19.0	207.22
-150.0	2.12	-116.0	1.92	-82.0	18.15	-48.0	135.53	-14.0	220.20	20.0	204.85
-149.0	2.05	-115.0	1.83	-81.0	21.44	-47.0	139.31	-13.0	218.59	21.0	204.33
-148.0	2.00	-114.0	1.82	-80.0	24.51	-46.0	142.96	-12.0	221.42	22.0	202.13
-147.0	2.01	-113.0	1.81	-79.0	28.02	-45.0	144.88	-11.0	221.05	23.0	200.46

Tabulator: _____

Verifier: _____

Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	198.97	51.0	132.02	78.0	36.39	105.0	1.94	132.0	2.11	159.0	2.15
25.0	195.73	52.0	128.43	79.0	32.72	106.0	1.92	133.0	2.05	160.0	2.19
26.0	192.97	53.0	124.25	80.0	29.49	107.0	1.88	134.0	2.06	161.0	2.21
27.0	192.65	54.0	121.35	81.0	26.12	108.0	1.86	135.0	2.10	162.0	2.25
28.0	191.12	55.0	116.98	82.0	23.04	109.0	1.92	136.0	2.14	163.0	2.20
29.0	187.91	56.0	114.64	83.0	20.00	110.0	1.96	137.0	2.13	164.0	2.19
30.0	186.66	57.0	110.84	84.0	17.04	111.0	2.04	138.0	2.09	165.0	2.20
31.0	185.29	58.0	106.99	85.0	14.06	112.0	2.01	139.0	2.10	166.0	2.17
32.0	181.94	59.0	103.68	86.0	10.70	113.0	1.93	140.0	2.11	167.0	2.22
33.0	180.00	60.0	99.97	87.0	7.45	114.0	1.96	141.0	2.13	168.0	2.26
34.0	177.90	61.0	96.01	88.0	4.97	115.0	1.97	142.0	2.13	169.0	2.27
35.0	174.44	62.0	93.03	89.0	3.30	116.0	1.98	143.0	2.18	170.0	2.24
36.0	171.32	63.0	89.18	90.0	2.24	117.0	2.00	144.0	2.14	171.0	2.18
37.0	170.56	64.0	85.50	91.0	1.87	118.0	1.94	145.0	2.12	172.0	2.15
38.0	166.88	65.0	82.03	92.0	1.88	119.0	1.89	146.0	2.10	173.0	2.20
39.0	165.57	66.0	77.83	93.0	1.86	120.0	1.96	147.0	2.12	174.0	2.24
40.0	164.17	67.0	74.82	94.0	1.82	121.0	1.95	148.0	2.18	175.0	2.30
41.0	161.04	68.0	70.53	95.0	1.83	122.0	2.03	149.0	2.22	176.0	2.24
42.0	159.15	69.0	66.99	96.0	1.84	123.0	2.04	150.0	2.20	177.0	2.18
43.0	155.25	70.0	63.21	97.0	1.87	124.0	2.07	151.0	2.16	178.0	2.20
44.0	153.26	71.0	59.64	98.0	1.89	125.0	2.07	152.0	2.15	179.0	2.21
45.0	150.27	72.0	56.00	99.0	1.88	126.0	2.04	153.0	2.14	180.0	2.20
46.0	148.00	73.0	52.79	100.0	1.86	127.0	2.02	154.0	2.14		
47.0	144.75	74.0	49.09	101.0	1.87	128.0	2.04	155.0	2.20		
48.0	140.98	75.0	45.72	102.0	1.91	129.0	2.10	156.0	2.18		
49.0	137.17	76.0	42.87	103.0	1.92	130.0	2.10	157.0	2.17		
50.0	134.24	77.0	39.63	104.0	1.93	131.0	2.11	158.0	2.17		

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