

# Light Intensity Distribution Test

## Product Information

Product Name: GWCOTC12XD-5K

Manufacture: GW

Operator:

Test Date: 2021-11-12

## 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: 240.6 V

Current: 0.041 A

Power: 9.734 W

PF: 0.969

## Photometric Param

Maximum Cand. (I<sub>vm</sub>): 2144.75 cd

Max. Cand. Angle(Deg): C= 0.0 gama= 2.0

Center Cd(I<sub>vo</sub>): 2130.02 cd

Beam Angle(50%) β : 30.7 deg.

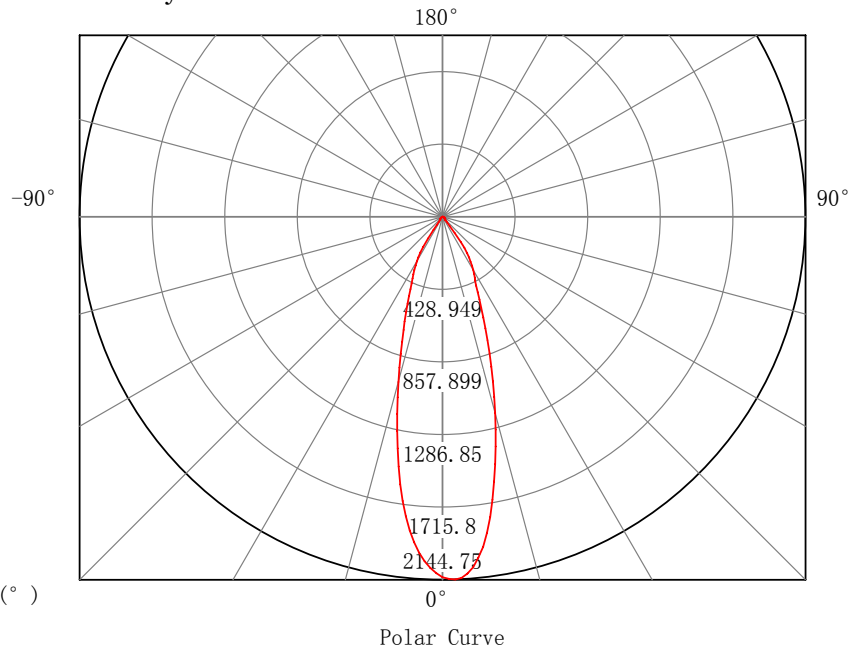
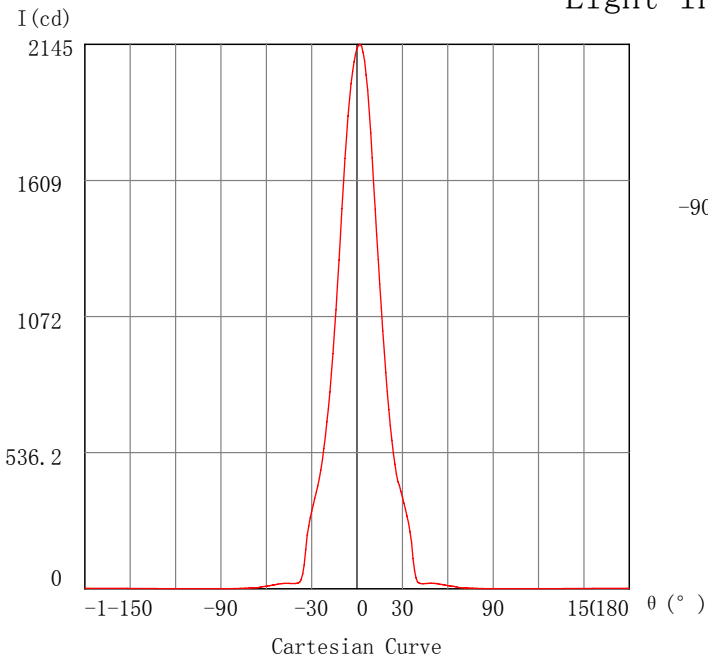
Lumens: 846.939 lm

Lumen-Effic: 87.008 lm/W

90 Deg. Lumens: 809.802 lm/W

120 Deg. Lumens: 832.880 lm

## Light Intensity Plot



C0-180 ————

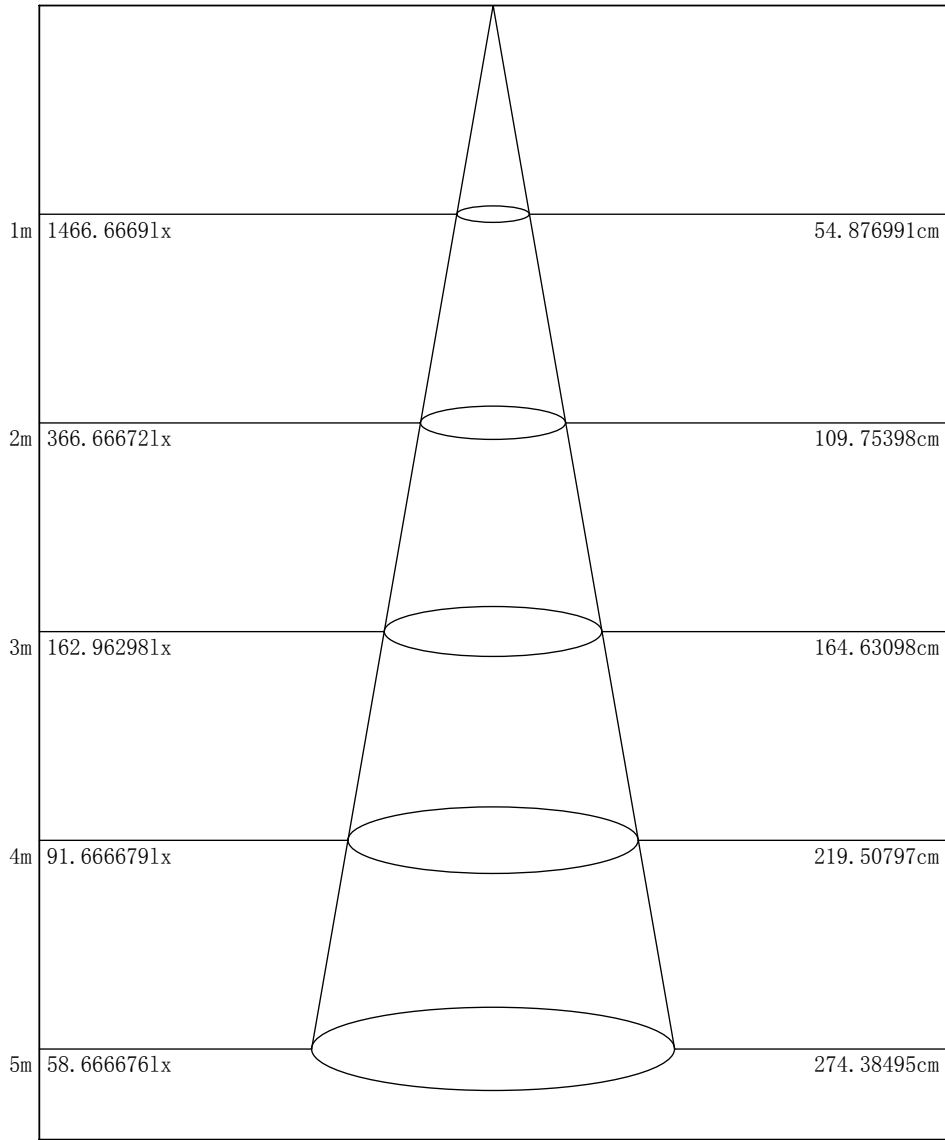
Tabulator: \_\_\_\_\_

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

# Lux-Distance Diagram

Luminous Flux: 846.9388 lm

Beam Luminous Flux: 346.8981 lm



Height Aver. Lux

Beam Ang. =30.7(° )

Beam Dia.

10%Beam Angle= 68.14(° )

50%Beam Angle= 30.69(° )

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

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## Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	1.71	-146.0	1.13	-112.0	0.51	-78.0	1.28	-44.0	20.97	-10.0	1498.09
-179.0	1.73	-145.0	1.07	-111.0	0.50	-77.0	1.44	-43.0	20.87	-9.0	1600.90
-178.0	1.76	-144.0	1.04	-110.0	0.49	-76.0	1.61	-42.0	20.62	-8.0	1695.53
-177.0	1.76	-143.0	1.01	-109.0	0.49	-75.0	1.80	-41.0	20.62	-7.0	1782.58
-176.0	1.73	-142.0	0.98	-108.0	0.50	-74.0	2.03	-40.0	21.25	-6.0	1862.73
-175.0	1.70	-141.0	0.97	-107.0	0.51	-73.0	2.27	-39.0	22.69	-5.0	1931.19
-174.0	1.70	-140.0	0.94	-106.0	0.51	-72.0	2.50	-38.0	25.44	-4.0	1989.51
-173.0	1.73	-139.0	0.90	-105.0	0.50	-71.0	2.71	-37.0	35.35	-3.0	2038.14
-172.0	1.75	-138.0	0.85	-104.0	0.48	-70.0	2.92	-36.0	58.57	-2.0	2076.11
-171.0	1.75	-137.0	0.82	-103.0	0.49	-69.0	3.15	-35.0	93.23	-1.0	2106.32
-170.0	1.72	-136.0	0.79	-102.0	0.48	-68.0	3.41	-34.0	154.00	0.0	2130.02
-169.0	1.69	-135.0	0.78	-101.0	0.49	-67.0	3.64	-33.0	210.83	1.0	2139.67
-168.0	1.70	-134.0	0.77	-100.0	0.50	-66.0	3.81	-32.0	247.67	2.0	2144.75
-167.0	1.71	-133.0	0.75	-99.0	0.50	-65.0	4.79	-31.0	279.17	3.0	2136.93
-166.0	1.73	-132.0	0.71	-98.0	0.49	-64.0	6.53	-30.0	304.98	4.0	2113.18
-165.0	1.71	-131.0	0.68	-97.0	0.48	-63.0	7.55	-29.0	330.16	5.0	2078.46
-164.0	1.67	-130.0	0.66	-96.0	0.48	-62.0	8.42	-28.0	355.89	6.0	2024.81
-163.0	1.63	-129.0	0.65	-95.0	0.48	-61.0	9.25	-27.0	380.65	7.0	1964.72
-162.0	1.62	-128.0	0.65	-94.0	0.49	-60.0	10.09	-26.0	405.20	8.0	1885.00
-161.0	1.62	-127.0	0.64	-93.0	0.50	-59.0	10.89	-25.0	434.96	9.0	1796.97
-160.0	1.63	-126.0	0.62	-92.0	0.50	-58.0	11.75	-24.0	467.79	10.0	1697.89
-159.0	1.60	-125.0	0.59	-91.0	0.48	-57.0	12.84	-23.0	507.48	11.0	1594.27
-158.0	1.54	-124.0	0.57	-90.0	0.47	-56.0	13.93	-22.0	552.45	12.0	1494.77
-157.0	1.49	-123.0	0.56	-89.0	0.48	-55.0	15.07	-21.0	602.28	13.0	1393.18
-156.0	1.45	-122.0	0.56	-88.0	0.49	-54.0	16.36	-20.0	657.91	14.0	1296.56
-155.0	1.45	-121.0	0.57	-87.0	0.52	-53.0	17.36	-19.0	707.55	15.0	1200.76
-154.0	1.44	-120.0	0.56	-86.0	0.56	-52.0	18.42	-18.0	775.53	16.0	1107.30
-153.0	1.40	-119.0	0.54	-85.0	0.59	-51.0	19.35	-17.0	847.41	17.0	1016.42
-152.0	1.35	-118.0	0.52	-84.0	0.63	-50.0	20.01	-16.0	926.28	18.0	932.27
-151.0	1.29	-117.0	0.51	-83.0	0.67	-49.0	20.72	-15.0	1010.48	19.0	851.95
-150.0	1.25	-116.0	0.51	-82.0	0.74	-48.0	21.18	-14.0	1099.23	20.0	776.56
-149.0	1.22	-115.0	0.51	-81.0	0.83	-47.0	21.42	-13.0	1195.79	21.0	705.97
-148.0	1.21	-114.0	0.52	-80.0	0.97	-46.0	21.42	-12.0	1294.76	22.0	642.74
-147.0	1.18	-113.0	0.52	-79.0	1.12	-45.0	21.29	-11.0	1393.61	23.0	584.78

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

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

## Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	534.98	51.0	21.15	78.0	1.60	105.0	0.49	132.0	0.66	159.0	1.51
25.0	491.20	52.0	20.54	79.0	1.40	106.0	0.48	133.0	0.68	160.0	1.51
26.0	452.70	53.0	19.75	80.0	1.23	107.0	0.47	134.0	0.68	161.0	1.54
27.0	421.43	54.0	18.79	81.0	1.08	108.0	0.46	135.0	0.70	162.0	1.59
28.0	406.79	55.0	17.66	82.0	0.96	109.0	0.48	136.0	0.72	163.0	1.63
29.0	383.64	56.0	16.64	83.0	0.84	110.0	0.49	137.0	0.76	164.0	1.66
30.0	361.60	57.0	15.60	84.0	0.73	111.0	0.50	138.0	0.80	165.0	1.67
31.0	336.84	58.0	14.57	85.0	0.66	112.0	0.50	139.0	0.83	166.0	1.66
32.0	312.40	59.0	13.44	86.0	0.61	113.0	0.49	140.0	0.84	167.0	1.67
33.0	286.89	60.0	12.30	87.0	0.56	114.0	0.48	141.0	0.85	168.0	1.69
34.0	259.52	61.0	11.29	88.0	0.54	115.0	0.48	142.0	0.88	169.0	1.74
35.0	224.21	62.0	10.46	89.0	0.53	116.0	0.49	143.0	0.91	170.0	1.74
36.0	183.20	63.0	9.70	90.0	0.50	117.0	0.51	144.0	0.97	171.0	1.73
37.0	118.92	64.0	8.92	91.0	0.48	118.0	0.52	145.0	1.02	172.0	1.71
38.0	70.60	65.0	8.10	92.0	0.47	119.0	0.52	146.0	1.04	173.0	1.72
39.0	42.46	66.0	7.02	93.0	0.47	120.0	0.52	147.0	1.05	174.0	1.74
40.0	27.11	67.0	5.11	94.0	0.47	121.0	0.52	148.0	1.08	175.0	1.76
41.0	22.58	68.0	3.86	95.0	0.48	122.0	0.53	149.0	1.11	176.0	1.75
42.0	20.77	69.0	3.70	96.0	0.49	123.0	0.54	150.0	1.17	177.0	1.72
43.0	19.92	70.0	3.51	97.0	0.49	124.0	0.56	151.0	1.22	178.0	1.71
44.0	20.02	71.0	3.24	98.0	0.48	125.0	0.57	152.0	1.27	179.0	1.72
45.0	20.43	72.0	2.96	99.0	0.47	126.0	0.58	153.0	1.29	180.0	1.74
46.0	20.72	73.0	2.71	100.0	0.47	127.0	0.58	154.0	1.30		
47.0	21.19	74.0	2.49	101.0	0.47	128.0	0.58	155.0	1.33		
48.0	21.42	75.0	2.29	102.0	0.48	129.0	0.60	156.0	1.39		
49.0	21.68	76.0	2.07	103.0	0.50	130.0	0.62	157.0	1.45		
50.0	21.53	77.0	1.83	104.0	0.50	131.0	0.65	158.0	1.50		

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