

Light Intensity Distribution Test

Product Information

Product Name: HV5877T-WW

Operator: hua

Manufactory: HAVIT LIGHTING

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: 240.4 V

Current: 0.096 A

Power: 21.86 W

PF: 0.946

Photometric Param

Maximum Cand. (I_{vm}): 759.28 cd

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

Center Cd(I_{vo}): 757.94 cd

Beam Angle(50%) β : 111.2 deg.

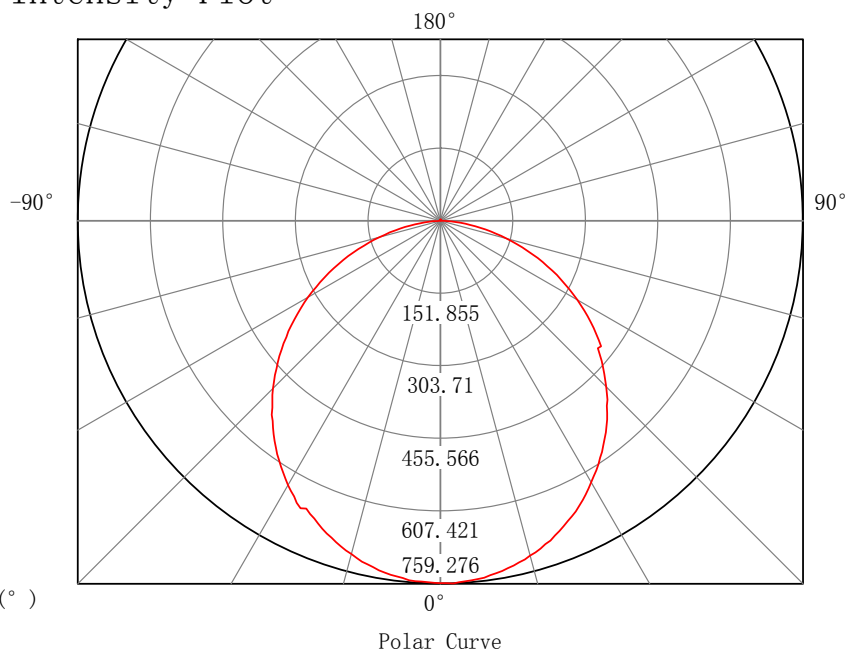
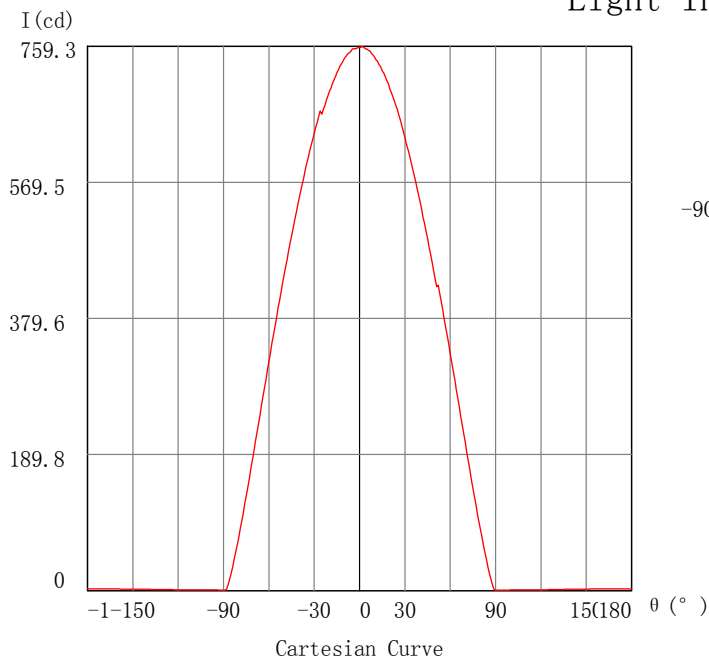
Lumens: 2129.746 lm

Lumen-Effic: 97.427 lm/W

90 Deg. Lumens: 1147.131 lmW

120 Deg. Lumens: 1679.427 lm

Light Intensity Plot

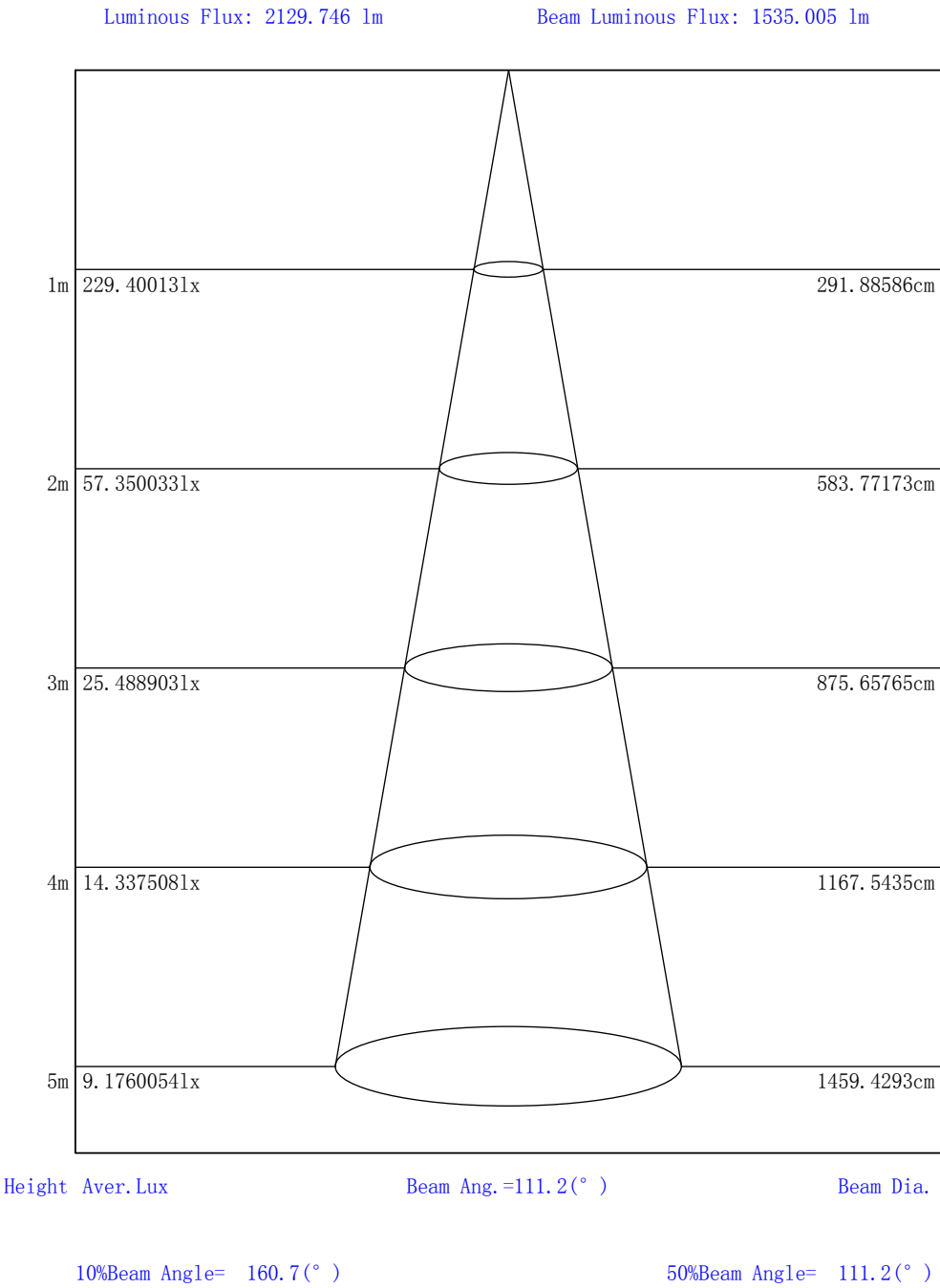


CO-180

Tabulator: _____

Verifier: _____

Lux-Distance Diagram



Tabulator: _____

Verifier: _____

Lighting Intensity Data Table

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
-180.0	2.71	-146.0	2.03	-112.0	1.26	-78.0	97.22	-44.0	506.44	-10.0	742.47
-179.0	2.68	-145.0	1.98	-111.0	1.24	-77.0	108.68	-43.0	516.41	-9.0	745.36
-178.0	2.65	-144.0	1.91	-110.0	1.21	-76.0	120.67	-42.0	526.44	-8.0	747.88
-177.0	2.64	-143.0	1.88	-109.0	1.17	-75.0	132.38	-41.0	538.09	-7.0	749.82
-176.0	2.66	-142.0	1.86	-108.0	1.13	-74.0	144.53	-40.0	546.58	-6.0	751.67
-175.0	2.70	-141.0	1.88	-107.0	1.14	-73.0	156.88	-39.0	556.98	-5.0	755.20
-174.0	2.72	-140.0	1.89	-106.0	1.12	-72.0	168.86	-38.0	566.98	-4.0	755.95
-173.0	2.70	-139.0	1.88	-105.0	1.12	-71.0	181.76	-37.0	576.69	-3.0	755.69
-172.0	2.64	-138.0	1.83	-104.0	1.13	-70.0	194.02	-36.0	586.36	-2.0	756.40
-171.0	2.61	-137.0	1.79	-103.0	1.12	-69.0	206.78	-35.0	596.38	-1.0	757.29
-170.0	2.59	-136.0	1.76	-102.0	1.10	-68.0	219.24	-34.0	604.15	0.0	757.94
-169.0	2.61	-135.0	1.73	-101.0	1.10	-67.0	232.06	-33.0	613.12	1.0	758.03
-168.0	2.63	-134.0	1.74	-100.0	1.06	-66.0	244.68	-32.0	621.86	2.0	759.28
-167.0	2.63	-133.0	1.74	-99.0	1.04	-65.0	257.61	-31.0	629.59	3.0	757.43
-166.0	2.58	-132.0	1.71	-98.0	1.04	-64.0	270.26	-30.0	638.72	4.0	755.76
-165.0	2.53	-131.0	1.66	-97.0	1.04	-63.0	282.98	-29.0	646.38	5.0	755.15
-164.0	2.49	-130.0	1.59	-96.0	1.05	-62.0	295.08	-28.0	653.24	6.0	753.31
-163.0	2.47	-129.0	1.55	-95.0	1.04	-61.0	307.42	-27.0	662.61	7.0	752.28
-162.0	2.47	-128.0	1.53	-94.0	1.00	-60.0	320.33	-26.0	668.97	8.0	749.00
-161.0	2.48	-127.0	1.52	-93.0	0.98	-59.0	332.34	-25.0	664.57	9.0	746.52
-160.0	2.46	-126.0	1.50	-92.0	0.97	-58.0	345.01	-24.0	671.31	10.0	743.91
-159.0	2.40	-125.0	1.47	-91.0	0.96	-57.0	356.72	-23.0	676.90	11.0	740.00
-158.0	2.34	-124.0	1.43	-90.0	0.96	-56.0	368.81	-22.0	683.56	12.0	737.73
-157.0	2.28	-123.0	1.39	-89.0	0.98	-55.0	381.38	-21.0	690.17	13.0	733.24
-156.0	2.27	-122.0	1.38	-88.0	2.43	-54.0	393.57	-20.0	696.49	14.0	730.52
-155.0	2.26	-121.0	1.36	-87.0	7.93	-53.0	404.28	-19.0	701.04	15.0	724.99
-154.0	2.26	-120.0	1.37	-86.0	15.77	-52.0	416.82	-18.0	706.90	16.0	721.86
-153.0	2.24	-119.0	1.40	-85.0	24.48	-51.0	428.19	-17.0	712.29	17.0	717.09
-152.0	2.18	-118.0	1.39	-84.0	33.76	-50.0	440.12	-16.0	717.27	18.0	711.46
-151.0	2.12	-117.0	1.37	-83.0	43.47	-49.0	451.58	-15.0	722.09	19.0	707.37
-150.0	2.07	-116.0	1.33	-82.0	53.69	-48.0	462.20	-14.0	726.56	20.0	700.23
-149.0	2.05	-115.0	1.30	-81.0	64.18	-47.0	473.58	-13.0	731.89	21.0	694.78
-148.0	2.05	-114.0	1.28	-80.0	74.91	-46.0	485.14	-12.0	734.87	22.0	689.07
-147.0	2.05	-113.0	1.27	-79.0	85.89	-45.0	495.58	-11.0	738.06	23.0	682.72

Tabulator: _____

Verifier: _____

Lighting Intensity Data Table---Continue

Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.	Ang.	Cand.
24.0	676.93	51.0	423.93	78.0	107.31	105.0	1.17	132.0	1.77	159.0	2.55
25.0	671.15	52.0	426.40	79.0	95.92	106.0	1.17	133.0	1.83	160.0	2.55
26.0	662.94	53.0	415.43	80.0	84.67	107.0	1.17	134.0	1.84	161.0	2.53
27.0	655.64	54.0	403.65	81.0	73.65	108.0	1.15	135.0	1.84	162.0	2.54
28.0	648.32	55.0	391.67	82.0	63.06	109.0	1.11	136.0	1.85	163.0	2.57
29.0	640.22	56.0	379.94	83.0	52.49	110.0	1.11	137.0	1.86	164.0	2.60
30.0	631.58	57.0	367.15	84.0	42.48	111.0	1.11	138.0	1.91	165.0	2.61
31.0	623.49	58.0	355.45	85.0	32.85	112.0	1.13	139.0	1.96	166.0	2.57
32.0	615.82	59.0	343.09	86.0	23.62	113.0	1.16	140.0	1.97	167.0	2.55
33.0	607.23	60.0	331.08	87.0	14.98	114.0	1.18	141.0	1.98	168.0	2.55
34.0	597.77	61.0	318.71	88.0	7.22	115.0	1.18	142.0	2.00	169.0	2.60
35.0	590.19	62.0	305.82	89.0	1.93	116.0	1.18	143.0	2.03	170.0	2.66
36.0	580.47	63.0	293.51	90.0	0.89	117.0	1.19	144.0	2.07	171.0	2.69
37.0	571.34	64.0	280.75	91.0	0.88	118.0	1.21	145.0	2.13	172.0	2.66
38.0	562.26	65.0	268.56	92.0	0.92	119.0	1.25	146.0	2.18	173.0	2.64
39.0	552.39	66.0	255.75	93.0	0.95	120.0	1.30	147.0	2.19	174.0	2.65
40.0	542.85	67.0	243.16	94.0	0.96	121.0	1.31	148.0	2.19	175.0	2.67
41.0	532.19	68.0	230.77	95.0	0.95	122.0	1.33	149.0	2.22	176.0	2.71
42.0	520.86	69.0	217.91	96.0	0.95	123.0	1.34	150.0	2.26	177.0	2.72
43.0	512.34	70.0	205.32	97.0	0.97	124.0	1.38	151.0	2.32	178.0	2.69
44.0	500.89	71.0	192.90	98.0	0.97	125.0	1.44	152.0	2.36	179.0	2.66
45.0	490.58	72.0	180.19	99.0	1.00	126.0	1.50	153.0	2.38	180.0	2.64
46.0	479.76	73.0	167.60	100.0	1.03	127.0	1.56	154.0	2.38		
47.0	469.14	74.0	155.44	101.0	1.07	128.0	1.58	155.0	2.40		
48.0	457.37	75.0	143.01	102.0	1.12	129.0	1.60	156.0	2.43		
49.0	447.03	76.0	131.04	103.0	1.15	130.0	1.64	157.0	2.49		
50.0	435.30	77.0	119.18	104.0	1.17	131.0	1.69	158.0	2.55		

Tabulator: _____

Verifier: _____