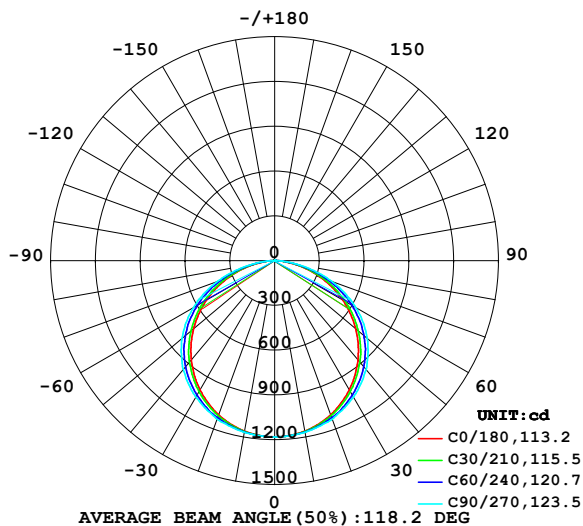


LUMINAIRE PHOTOMETRIC TEST REPORT

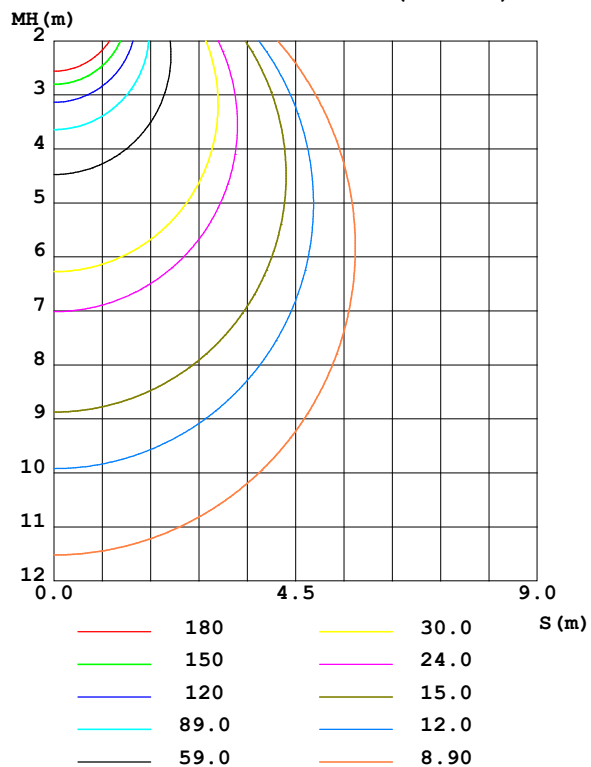
Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 118.85 lm/W
MODEL		I _{max} (cd)	1181	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.33	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3587.0	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	3587	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.1,49.9	
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	119.936	η down (%)	99.8	CIBSE SHR MAX	1.50	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

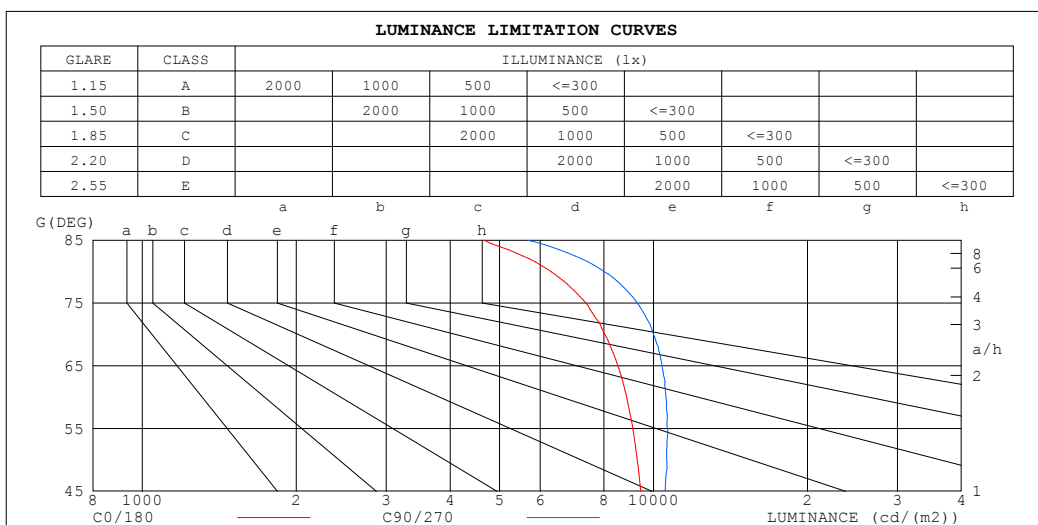
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1160	1164	1168	1164	1160	1164	1168	1164	0- 10	111.9	111.9	3.12,3.12
20	1099	1112	1129	1112	1099	1112	1129	1112	10- 20	322.7	434.6	12.1,12.1
30	1000	1030	1055	1030	1000	1030	1055	1030	20- 30	495.5	930.1	25.9,25.9
40	868.8	907.2	953.0	907.2	868.8	907.2	953.0	907.2	30- 40	608.4	1538	42.9,42.9
50	709.1	756.7	809.1	756.7	709.1	756.7	809.1	756.7	40- 50	645.7	2184	60.9,60.9
60	525.5	571.1	627.3	571.1	525.5	571.1	627.3	571.1	50- 60	597.7	2782	77.6,77.6
70	326.0	360.9	406.2	360.9	326.0	360.9	406.2	360.9	60- 70	465.6	3248	90.5,90.5
80	129.9	144.6	165.2	144.6	129.9	144.6	165.2	144.6	70- 80	267.5	3515	98,98
90	3.566	3.076	3.858	3.076	3.566	3.076	3.858	3.076	80- 90	65.09	3580	99.8,99.8
100	0.6094	0.5121	0.2557	0.5121	0.6094	0.5121	0.2557	0.5121	90-100	0.6799	3581	99.8,99.8
110	0.7390	0.7107	0.4174	0.7107	0.7390	0.7107	0.4174	0.7107	100-110	0.6021	3581	99.8,99.8
120	0.9363	0.8791	0.5581	0.8791	0.9363	0.8791	0.5581	0.8791	110-120	0.7379	3582	99.9,99.9
130	1.194	1.102	0.8278	1.102	1.194	1.102	0.8278	1.102	120-130	0.8300	3583	99.9,99.9
140	1.701	1.571	1.296	1.571	1.701	1.571	1.296	1.571	130-140	0.9907	3584	99.9,99.9
150	2.312	2.079	1.825	2.079	2.312	2.079	1.825	2.079	140-150	1.128	3585	99.9,99.9
160	2.482	2.192	2.064	2.192	2.482	2.192	2.064	2.192	150-160	1.010	3586	100,100
170	2.348	2.201	2.134	2.201	2.348	2.201	2.134	2.201	160-170	0.6311	3587	100,100
180	2.409	2.232	2.156	2.232	2.409	2.232	2.156	2.232	170-180	0.2129	3587	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700:

LUMINANCE LIMITATION CURVES

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4661	5679
80	6301	8013
75	7377	9286
70	8031	10005
65	8516	10388
60	8855	10569
55	9105	10645
50	9293	10604
45	9439	10536

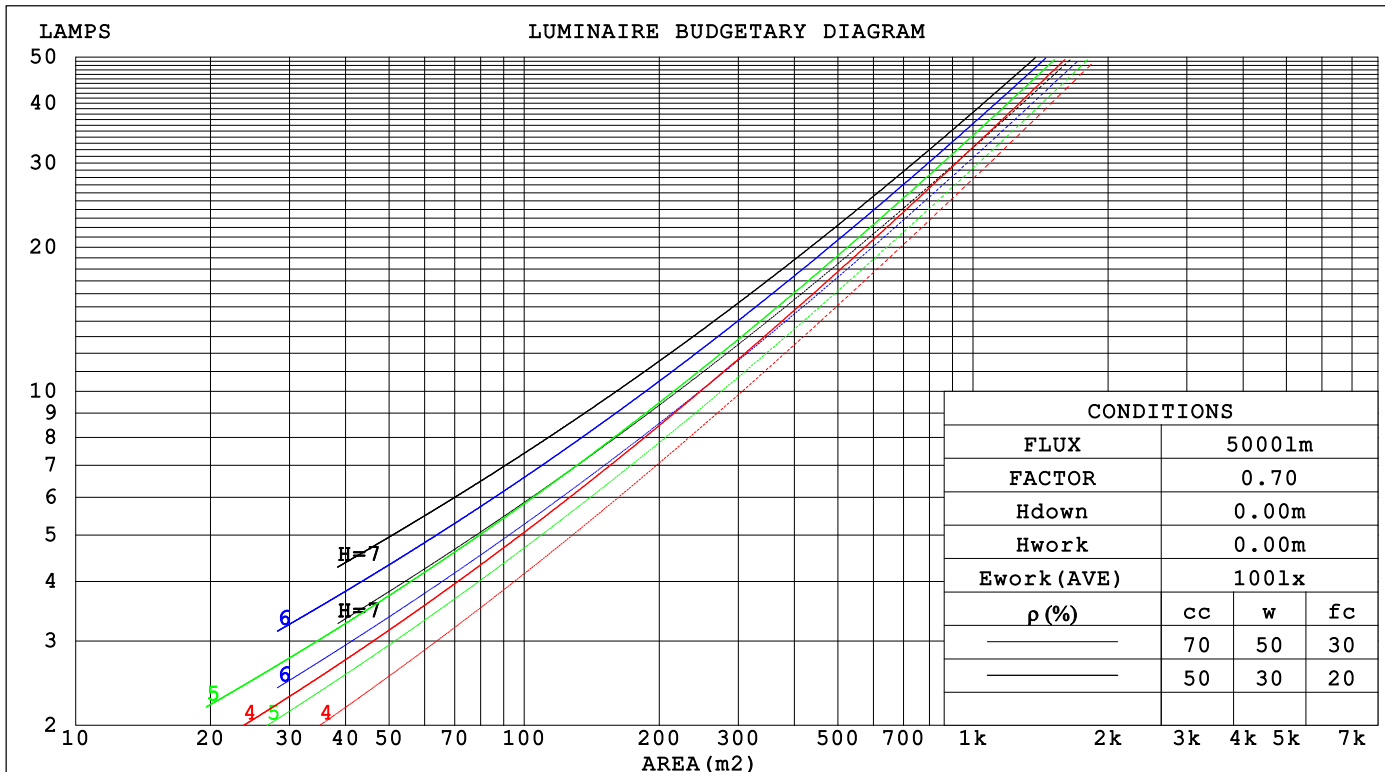
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.69	.64	.60	.57
4.0	.69	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

WEC AND CCEC

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.314	.179	.057	.307	.175	.056	.294	.169	.054	.281	.162	.052	.270	.157	.050		
2.0	.296	.162	.050	.290	.160	.049	.278	.155	.048	.267	.150	.047	.257	.145	.046		
3.0	.274	.146	.044	.268	.144	.043	.258	.140	.042	.248	.136	.042	.239	.132	.041		
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.120	.037		
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030		
7.0	.201	.099	.028	.198	.098	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.188	.092	.026	.184	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.081	.023	.158	.080	.023		
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022		

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.182	.158	.135	.156	.135	.117	.107	.093	.081	.061	.054	.047	.020	.017	.015		
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011		
3.0	.167	.116	.075	.143	.100	.065	.098	.069	.046	.057	.041	.027	.018	.013	.009		
4.0	.159	.103	.059	.137	.089	.052	.094	.062	.036	.054	.036	.021	.017	.012	.007		
5.0	.152	.092	.048	.130	.080	.042	.090	.056	.030	.052	.033	.018	.017	.011	.006		
6.0	.145	.084	.040	.124	.073	.035	.086	.051	.025	.050	.030	.015	.016	.010	.005		
7.0	.138	.077	.034	.118	.067	.030	.082	.047	.021	.048	.028	.013	.015	.009	.004		
8.0	.131	.071	.030	.113	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004		
9.0	.125	.066	.027	.108	.057	.023	.075	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

UGR(Unified Glare Rating) Table

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: ETi Solid State lighting, Inc.					SUR.:			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	20.5	22.1	20.8	22.3	22.5	21.3	22.8	21.6	23.0	23.3
3H	22.0	23.4	22.3	23.7	23.9	23.0	24.4	23.3	24.7	24.9
4H	22.6	23.9	22.9	24.2	24.4	23.7	25.0	24.0	25.3	25.5
6H	23.0	24.2	23.3	24.5	24.8	24.1	25.4	24.5	25.7	26.0
8H	23.1	24.3	23.4	24.6	24.9	24.2	25.5	24.6	25.8	26.1
12H	23.1	24.3	23.5	24.6	24.9	24.3	25.5	24.6	25.8	26.1
4H 2H	21.2	22.6	21.6	22.9	23.1	21.8	23.2	22.2	23.5	23.7
3H	22.9	24.1	23.3	24.4	24.7	23.7	24.9	24.1	25.2	25.5
4H	23.6	24.7	24.0	25.0	25.3	24.5	25.6	24.9	25.9	26.3
6H	24.1	25.0	24.5	25.4	25.8	25.1	26.1	25.5	26.4	26.8
8H	24.2	25.1	24.6	25.5	25.9	25.3	26.2	25.7	26.5	26.9
12H	24.3	25.1	24.7	25.5	25.9	25.4	26.2	25.8	26.6	27.0
8H 4H	23.9	24.8	24.3	25.2	25.6	24.7	25.6	25.2	26.0	26.4
6H	24.5	25.3	25.0	25.7	26.1	25.5	26.2	25.9	26.6	27.0
8H	24.7	25.4	25.2	25.8	26.3	25.7	26.4	26.2	26.8	27.3
12H	24.9	25.4	25.4	25.9	26.4	25.9	26.4	26.3	26.9	27.4
12H 4H	23.9	24.7	24.4	25.1	25.5	24.7	25.6	25.2	25.9	26.4
6H	24.6	25.3	25.1	25.7	26.1	25.5	26.2	26.0	26.6	27.0
8H	24.8	25.4	25.3	25.9	26.3	25.8	26.3	26.3	26.8	27.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 3587 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.4)
Area: 0.118701 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

UTILIZATION FACTORS TABLE

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

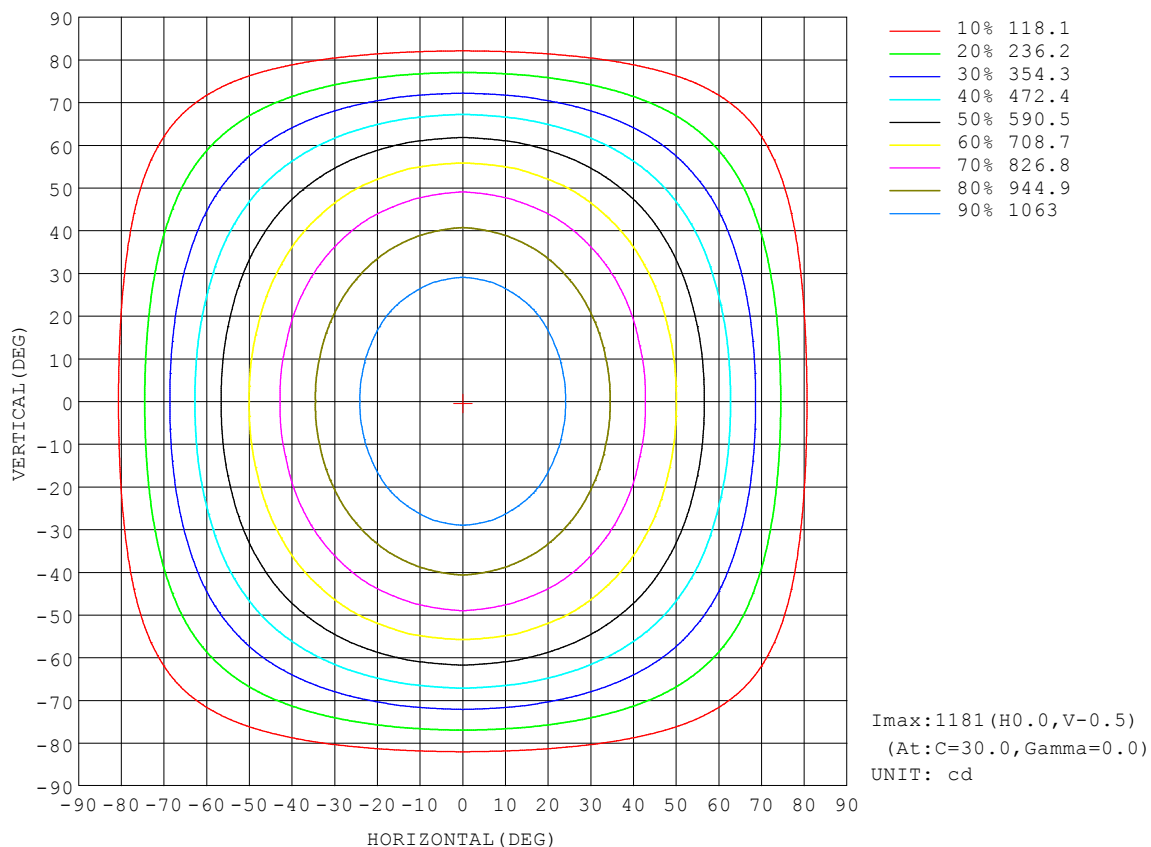
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	96	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	103	99	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ISOCANDELA DIAGRAM

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

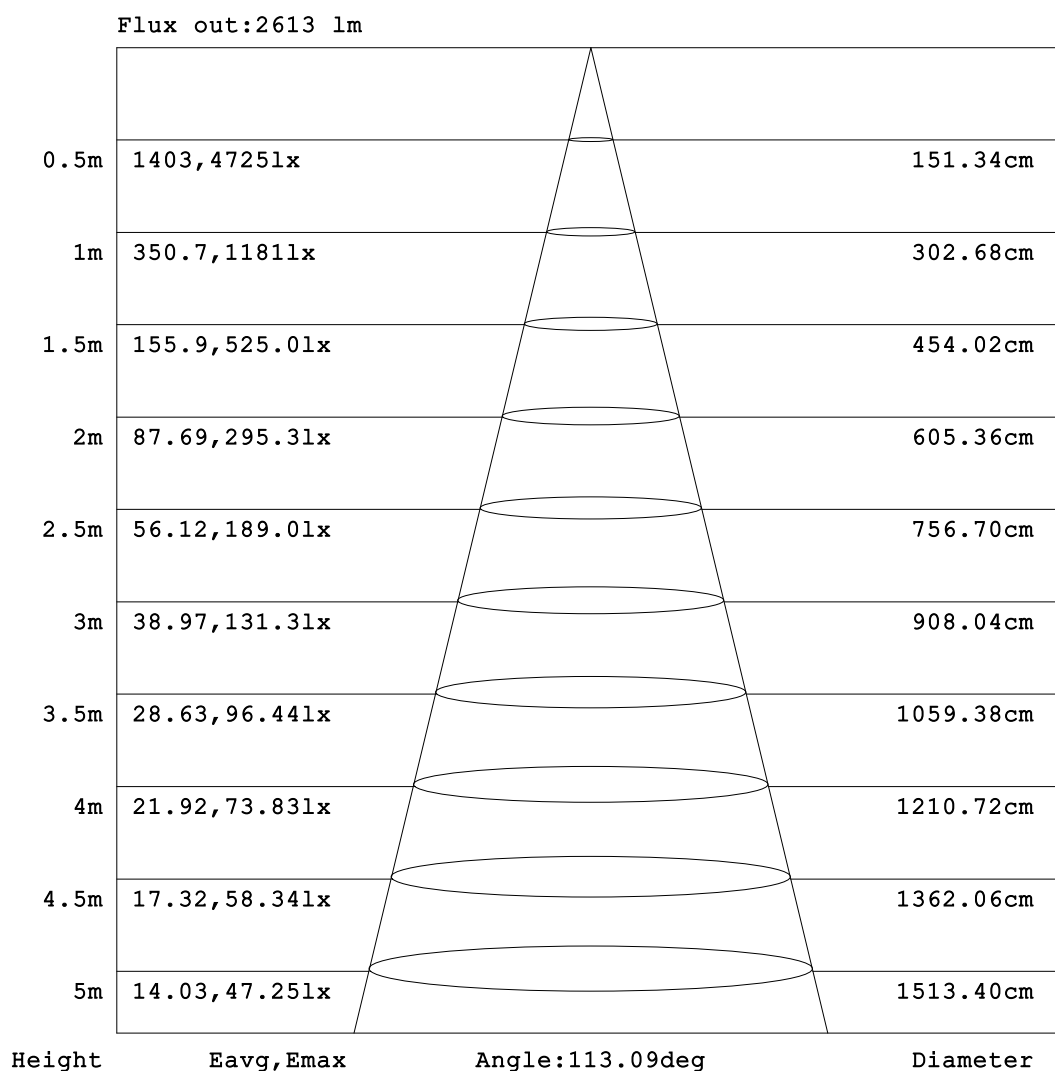


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

AAI Figure

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



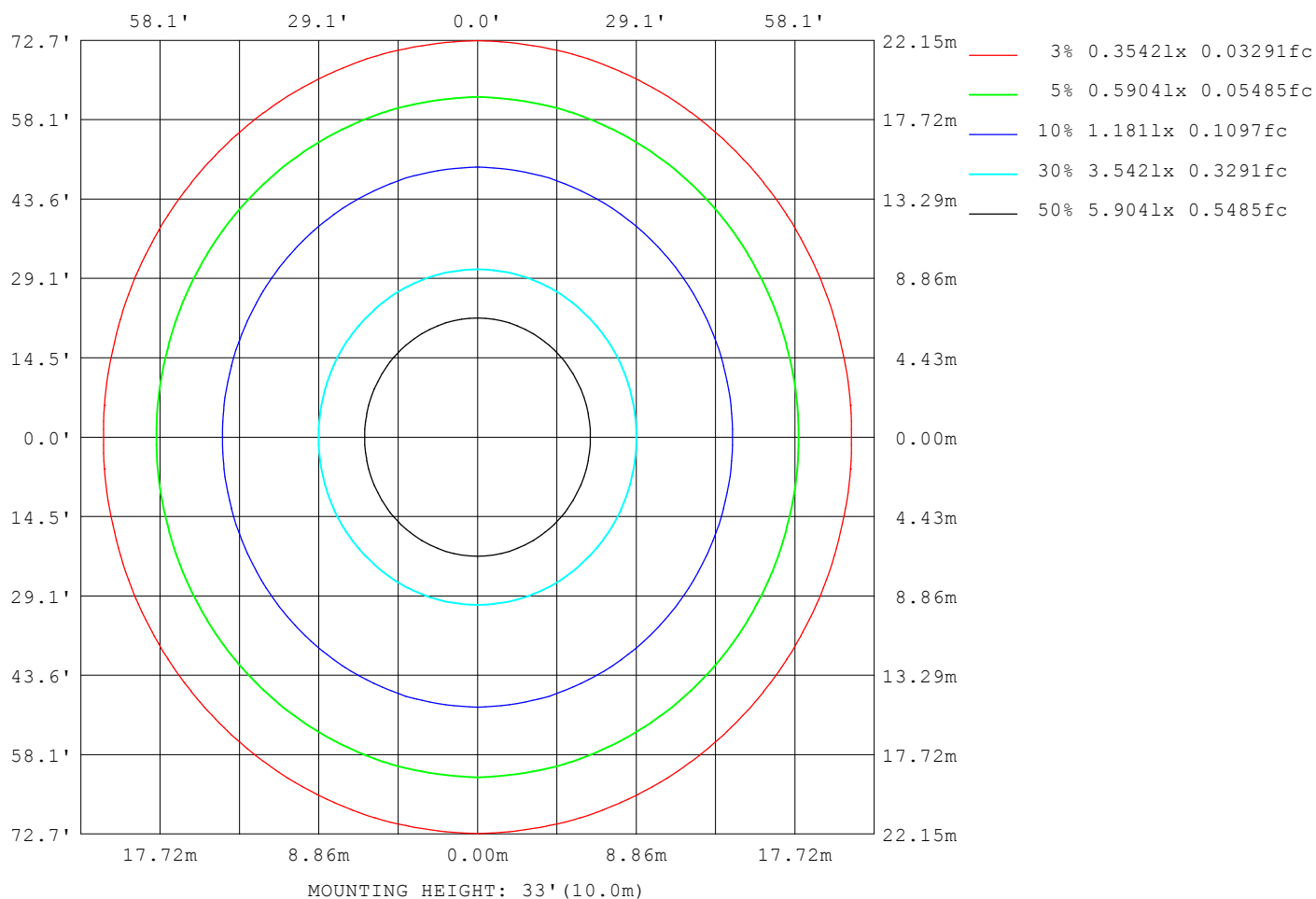
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

ISOLUX DIAGRAM

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

LED Avg.L Report

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

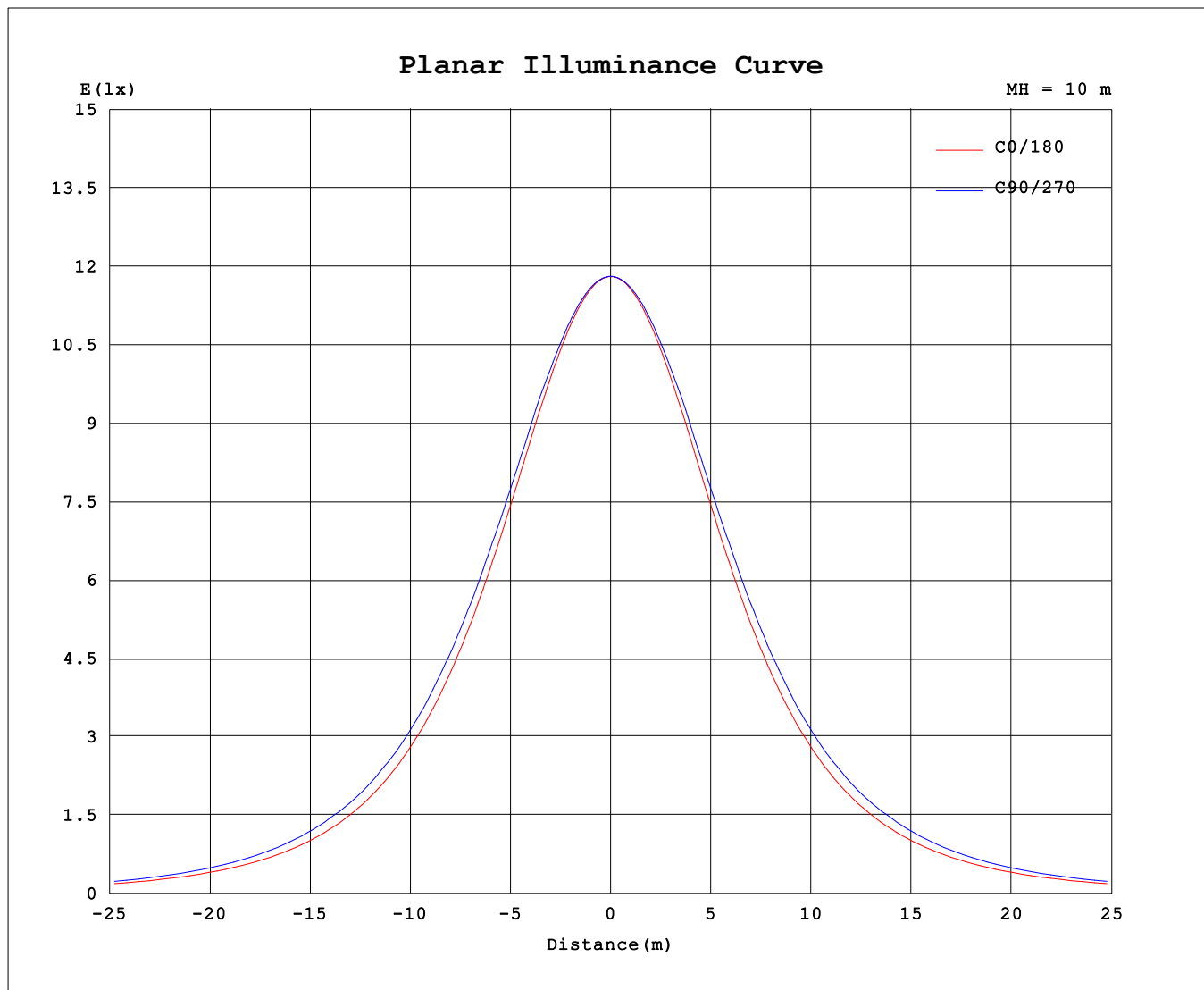
AvgL	cd/m2
L_0~180 (65) av	8516
L_0~180 (75) av	7377
L_0~180 (85) av	4661
L_90~270 (65) av	10388
L_90~270 (75) av	9286
L_90~270 (85) av	5679
L_45 (65) av	9337
L_45 (75) av	8167
L_45 (85) av	5080

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 26.1°C
Operators: Alan Wang
Test Date: 2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 49.3%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181	1181
5	1176	1176	1177	1177	1177	1178	1178	1178	1177	1177	1177	1176	1176	1176	1177	1177	1177	1178	1178
10	1160	1161	1162	1164	1166	1167	1168	1167	1166	1164	1162	1161	1160	1161	1162	1164	1166	1167	1168
15	1134	1136	1139	1142	1146	1149	1150	1149	1146	1142	1139	1136	1134	1136	1139	1142	1146	1149	1150
20	1099	1101	1106	1112	1120	1128	1129	1128	1120	1112	1106	1101	1099	1101	1106	1112	1120	1128	1129
25	1054	1057	1064	1074	1085	1091	1094	1091	1085	1074	1064	1057	1054	1057	1064	1074	1085	1091	1094
30	1000	1004	1014	1030	1040	1051	1055	1051	1040	1030	1014	1004	1000	1004	1014	1030	1040	1051	1055
35	938	943	954	971	989	1002	1008	1002	989	971	954	943	938	943	954	971	989	1002	1008
40	869	874	889	907	929	945	953	945	929	907	889	874	869	874	889	907	929	945	953
45	792	798	814	836	860	877	884	877	860	836	814	798	792	798	814	836	860	877	884
50	709	715	731	757	781	804	809	804	781	757	731	715	709	715	731	757	781	804	809
55	620	626	642	667	694	716	725	716	694	667	642	626	620	626	642	667	694	716	725
60	526	531	548	571	597	619	627	619	597	571	548	531	526	531	548	571	597	619	627
65	427	432	447	468	493	513	521	513	493	468	447	432	427	432	447	468	493	513	521
70	326	330	342	361	382	399	406	399	382	361	342	330	326	330	342	361	382	399	406
75	227	228	237	251	267	280	285	280	267	251	237	228	227	228	237	251	267	280	285
80	130	131	137	145	154	162	165	162	154	145	137	131	130	131	137	145	154	162	165
85	48.2	47.5	49.1	52.6	56.1	57.7	58.7	57.7	56.1	52.6	49.1	47.5	48.2	47.5	49.1	52.6	56.1	57.7	58.7
90	3.57	2.57	2.44	3.08	3.75	3.27	3.86	3.27	3.75	3.08	2.44	2.57	3.57	2.57	2.44	3.08	3.75	3.27	3.86
95	0.49	0.48	0.46	0.42	0.33	0.19	0.16	0.19	0.33	0.42	0.46	0.48	0.49	0.48	0.46	0.42	0.33	0.19	0.16
100	0.61	0.58	0.56	0.51	0.45	0.30	0.26	0.30	0.45	0.51	0.56	0.58	0.61	0.58	0.56	0.51	0.45	0.30	0.26
105	0.68	0.65	0.65	0.63	0.56	0.41	0.35	0.41	0.56	0.63	0.65	0.65	0.68	0.65	0.65	0.63	0.56	0.41	0.35
110	0.74	0.76	0.80	0.71	0.65	0.48	0.42	0.48	0.65	0.71	0.80	0.76	0.74	0.76	0.80	0.71	0.65	0.48	0.42
115	0.85	0.86	0.85	0.80	0.73	0.58	0.48	0.58	0.73	0.80	0.85	0.86	0.85	0.86	0.85	0.80	0.73	0.58	0.48
120	0.94	0.94	0.92	0.88	0.80	0.65	0.56	0.65	0.80	0.88	0.92	0.94	0.94	0.94	0.92	0.88	0.80	0.65	0.56
125	1.02	1.04	1.01	0.95	0.88	0.77	0.66	0.77	0.88	0.95	1.01	1.04	1.02	1.04	1.01	0.95	0.88	0.77	0.66
130	1.19	1.22	1.17	1.10	1.04	0.91	0.83	0.91	1.04	1.10	1.17	1.22	1.19	1.22	1.17	1.10	1.04	0.91	0.83
135	1.41	1.43	1.35	1.30	1.23	1.09	1.03	1.09	1.23	1.30	1.35	1.43	1.41	1.43	1.35	1.30	1.23	1.09	1.03
140	1.70	1.70	1.63	1.57	1.48	1.34	1.30	1.34	1.48	1.57	1.63	1.70	1.70	1.70	1.63	1.57	1.48	1.34	1.30
145	2.02	1.99	1.98	1.85	1.72	1.61	1.58	1.61	1.72	1.85	1.98	1.99	2.02	1.99	1.98	1.85	1.72	1.61	1.58
150	2.31	2.26	2.20	2.08	1.92	1.84	1.82	1.84	1.92	2.08	2.20	2.26	2.31	2.26	2.20	2.08	1.92	1.84	1.82
155	2.47	2.41	2.32	2.21	2.04	2.01	1.99	2.01	2.04	2.21	2.32	2.41	2.47	2.41	2.32	2.21	2.04	2.01	1.99
160	2.48	2.43	2.32	2.19	2.11	2.08	2.06	2.08	2.11	2.19	2.32	2.43	2.48	2.43	2.32	2.19	2.11	2.08	2.06
165	2.41	2.36	2.26	2.18	2.13	2.11	2.12	2.11	2.13	2.18	2.26	2.36	2.41	2.36	2.26	2.18	2.13	2.11	2.12
170	2.35	2.34	2.27	2.20	2.16	2.14	2.13	2.14	2.16	2.20	2.27	2.34	2.35	2.34	2.27	2.20	2.16	2.14	2.13
175	2.31	2.32	2.27	2.22	2.18	2.16	2.14	2.16	2.18	2.22	2.27	2.32	2.31	2.32	2.27	2.22	2.18	2.16	2.14
180	2.41	2.36	2.28	2.23	2.20	2.17	2.16	2.17	2.20	2.23	2.28	2.36	2.41	2.36	2.28	2.23	2.20	2.17	2.16

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.95V I:0.2534A P:30.181W PF:0.9931 Freq:60.01Hz Lamp Flux:3587x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1181	1181	1181	1181	1181														
5	1178	1177	1177	1177	1176														
10	1167	1166	1164	1162	1161														
15	1149	1146	1142	1139	1136														
20	1128	1120	1112	1106	1101														
25	1091	1085	1074	1064	1057														
30	1051	1040	1030	1014	1004														
35	1002	989	971	954	943														
40	945	929	907	889	874														
45	877	860	836	814	798														
50	804	781	757	731	715														
55	716	694	667	642	626														
60	619	597	571	548	531														
65	513	493	468	447	432														
70	399	382	361	342	330														
75	280	267	251	237	228														
80	162	154	145	137	131														
85	57.7	56.1	52.6	49.1	47.5														
90	3.27	3.75	3.08	2.44	2.57														
95	0.19	0.33	0.42	0.46	0.48														
100	0.30	0.45	0.51	0.56	0.58														
105	0.41	0.56	0.63	0.65	0.65														
110	0.48	0.65	0.71	0.80	0.76														
115	0.58	0.73	0.80	0.85	0.86														
120	0.65	0.80	0.88	0.92	0.94														
125	0.77	0.88	0.95	1.01	1.04														
130	0.91	1.04	1.10	1.17	1.22														
135	1.09	1.23	1.30	1.35	1.43														
140	1.34	1.48	1.57	1.63	1.70														
145	1.61	1.72	1.85	1.98	1.99														
150	1.84	1.92	2.08	2.20	2.26														
155	2.01	2.04	2.21	2.32	2.41														
160	2.08	2.11	2.19	2.32	2.43														
165	2.11	2.13	2.18	2.26	2.36														
170	2.14	2.16	2.20	2.27	2.34														
175	2.16	2.18	2.22	2.27	2.32														
180	2.17	2.20	2.23	2.28	2.36														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:26.1℃
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:49.3%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_2700: