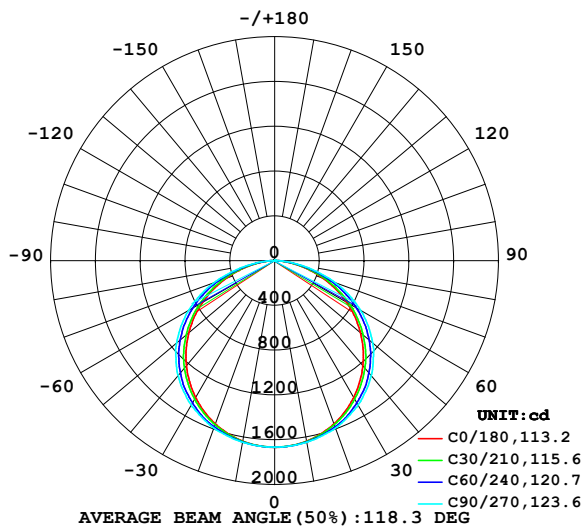


LUMINAIRE PHOTOMETRIC TEST REPORT

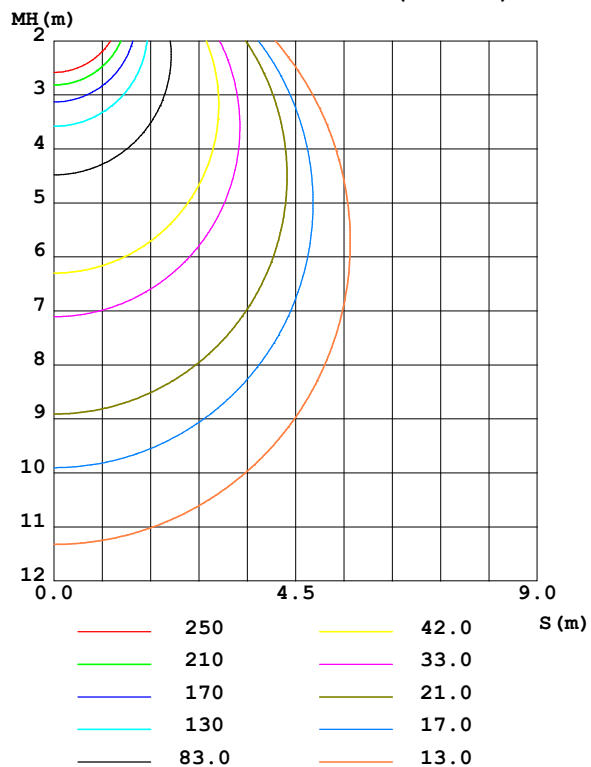
Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 124.68 lm/W
MODEL		Imax (cd)	1667	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.33	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	5059.9	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	5059.86	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)	119.948	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:25.7°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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

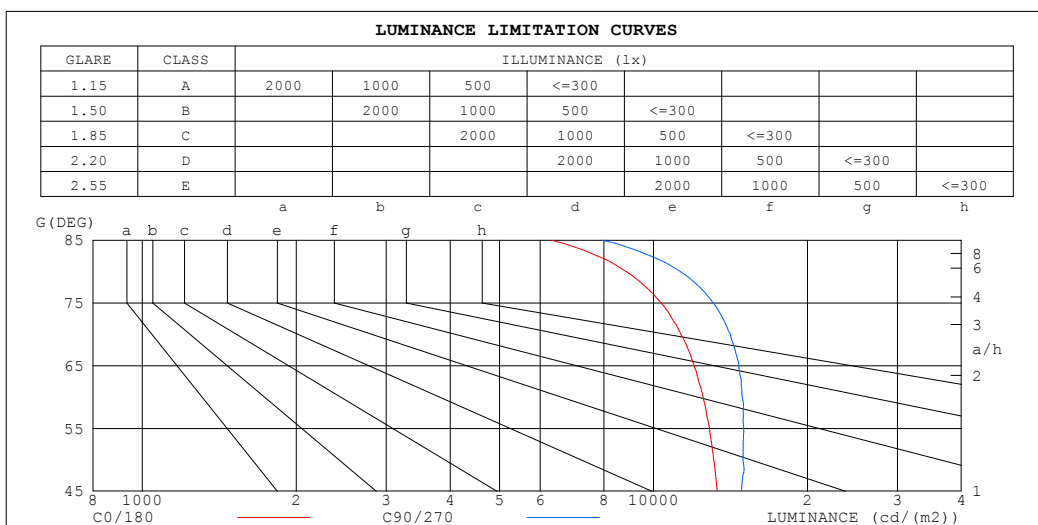
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1638	1642	1647	1642	1638	1642	1647	1642	0- 10	157.9	157.9	3.12,3.12
20	1551	1569	1593	1569	1551	1569	1593	1569	10- 20	455.2	613.1	12.1,12.1
30	1412	1453	1491	1453	1412	1453	1491	1453	20- 30	699.2	1312	25.9,25.9
40	1227	1280	1342	1280	1227	1280	1342	1280	30- 40	858.6	2171	42.9,42.9
50	1001	1068	1141	1068	1001	1068	1141	1068	40- 50	911.3	3082	60.9,60.9
60	741.9	805.7	885.4	805.7	741.9	805.7	885.4	805.7	50- 60	843.5	3926	77.6,77.6
70	459.5	508.6	574.3	508.6	459.5	508.6	574.3	508.6	60- 70	656.8	4582	90.6,90.6
80	182.2	203.8	232.6	203.8	182.2	203.8	232.6	203.8	70- 80	376.8	4959	98,98
90	3.986	3.554	3.464	3.554	3.986	3.554	3.464	3.554	80- 90	91.07	5050	99.8,99.8
100	0.8590	0.7220	0.3587	0.7220	0.8590	0.7220	0.3587	0.7220	90-100	0.9111	5051	99.8,99.8
110	1.049	1.001	0.5866	1.001	1.049	1.001	0.5866	1.001	100-110	0.8465	5052	99.8,99.8
120	1.320	1.238	0.7838	1.238	1.320	1.238	0.7838	1.238	110-120	1.034	5053	99.9,99.9
130	1.683	1.552	1.164	1.552	1.683	1.552	1.164	1.552	120-130	1.168	5054	99.9,99.9
140	2.398	2.208	1.822	2.208	2.398	2.208	1.822	2.208	130-140	1.395	5056	99.9,99.9
150	3.258	2.926	2.570	2.926	3.258	2.926	2.570	2.926	140-150	1.586	5057	99.9,99.9
160	3.492	3.087	2.906	3.087	3.492	3.087	2.906	3.087	150-160	1.422	5059	100,100
170	3.304	3.099	3.005	3.099	3.304	3.099	3.005	3.099	160-170	0.8886	5060	100,100
180	3.398	3.150	3.039	3.150	3.398	3.150	3.039	3.150	170-180	0.2999	5060	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

LUMINANCE LIMITATION CURVES

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	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	6322	7942
80	8841	11283
75	10344	13080
70	11319	14145
65	12013	14664
60	12500	14918
55	12860	15016
50	13119	14959
45	13329	14868

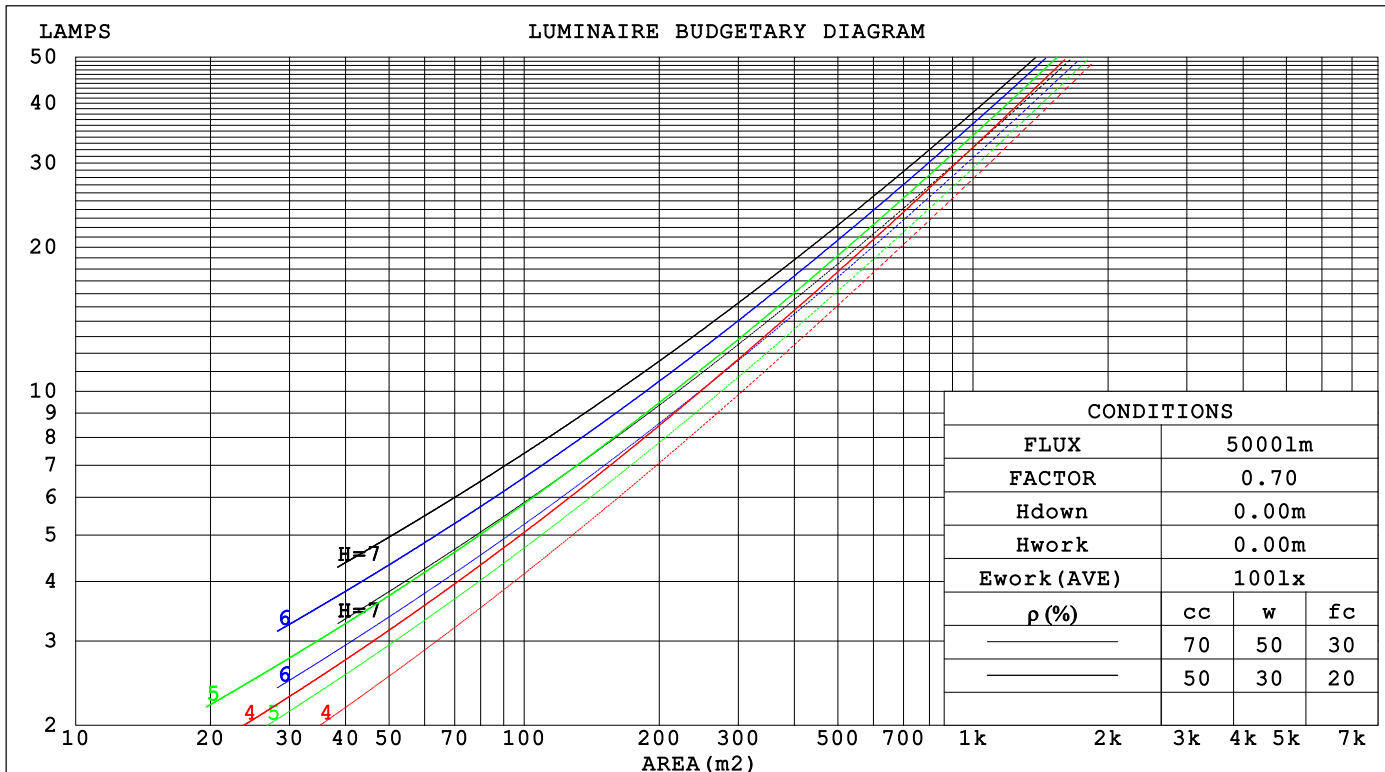
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	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	.58
4.0	.70	.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:25.7°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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

WEC AND CCEC

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	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	.168	.054	.281	.162	.052	.270	.156	.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	.051	.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	.026	.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:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

UGR(Unified Glare Rating) Table

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm											
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K						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		21.7	23.2	22.0	23.5	23.7	22.5	24.0	22.8	24.2	24.5
3H		23.2	24.6	23.5	24.9	25.1	24.2	25.6	24.5	25.9	26.1
4H		23.8	25.1	24.1	25.4	25.6	24.9	26.2	25.2	26.5	26.7
6H		24.1	25.4	24.5	25.7	26.0	25.3	26.6	25.6	26.9	27.2
8H		24.2	25.5	24.6	25.8	26.1	25.4	26.7	25.8	27.0	27.3
12H		24.3	25.5	24.6	25.8	26.1	25.5	26.7	25.8	27.0	27.3
4H 2H		22.4	23.8	22.8	24.0	24.3	23.0	24.4	23.4	24.7	24.9
3H		24.1	25.3	24.4	25.6	25.9	24.9	26.1	25.3	26.4	26.7
4H		24.8	25.9	25.2	26.2	26.5	25.7	26.8	26.1	27.1	27.5
6H		25.3	26.2	25.7	26.6	27.0	26.3	27.3	26.7	27.6	28.0
8H		25.4	26.3	25.8	26.7	27.1	26.5	27.4	26.9	27.7	28.1
12H		25.5	26.3	25.9	26.7	27.1	26.6	27.4	27.0	27.8	28.2
8H 4H		25.1	26.0	25.5	26.4	26.8	25.9	26.8	26.3	27.2	27.6
6H		25.7	26.5	26.2	26.9	27.3	26.6	27.4	27.1	27.8	28.2
8H		25.9	26.6	26.4	27.0	27.5	26.9	27.6	27.4	28.0	28.4
12H		26.1	26.6	26.5	27.1	27.6	27.0	27.6	27.5	28.1	28.5
12H 4H		25.1	25.9	25.5	26.3	26.7	25.9	26.8	26.4	27.1	27.6
6H		25.8	26.4	26.2	26.9	27.3	26.7	27.3	27.1	27.8	28.2
8H		26.0	26.6	26.5	27.1	27.5	27.0	27.5	27.4	28.0	28.5
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, 5060 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.6)
Area: 0.118701 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

UTILIZATION FACTORS TABLE

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

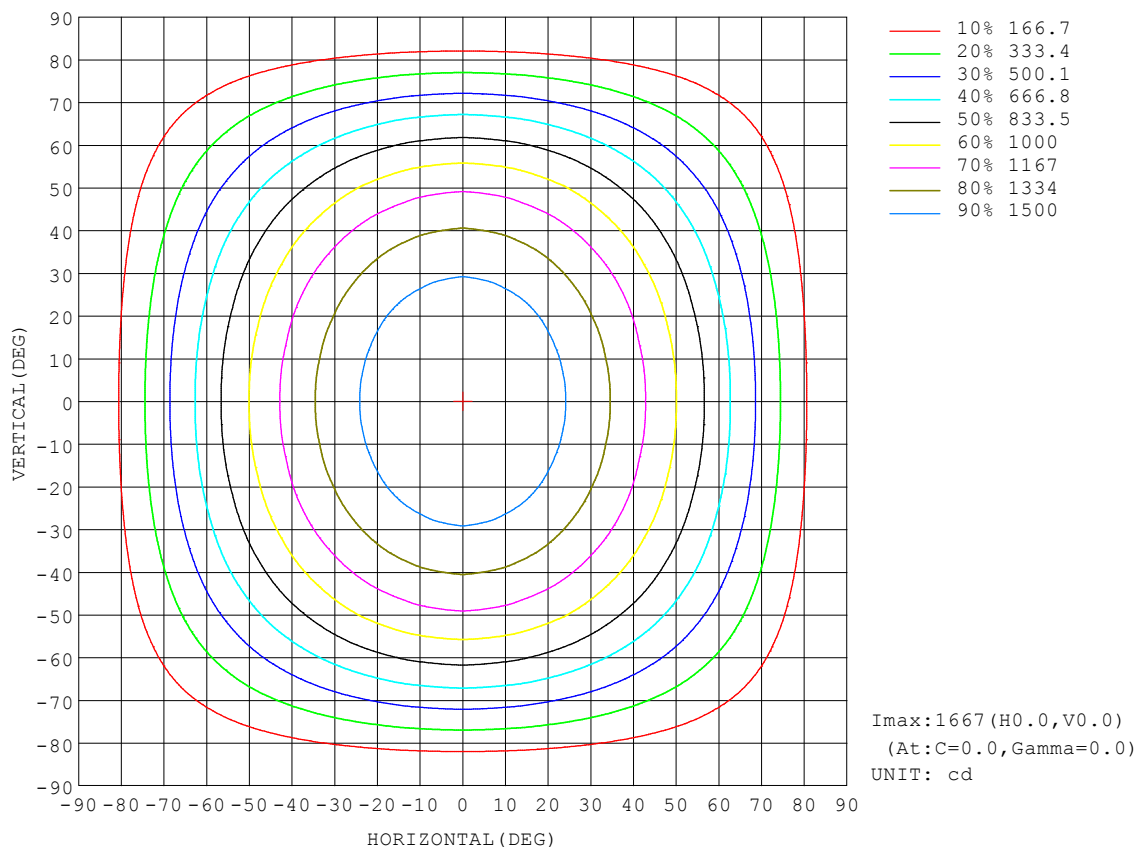
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	64	54	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	93	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	104	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: 25.7°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: 42.4%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

ISOCANDELA DIAGRAM

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

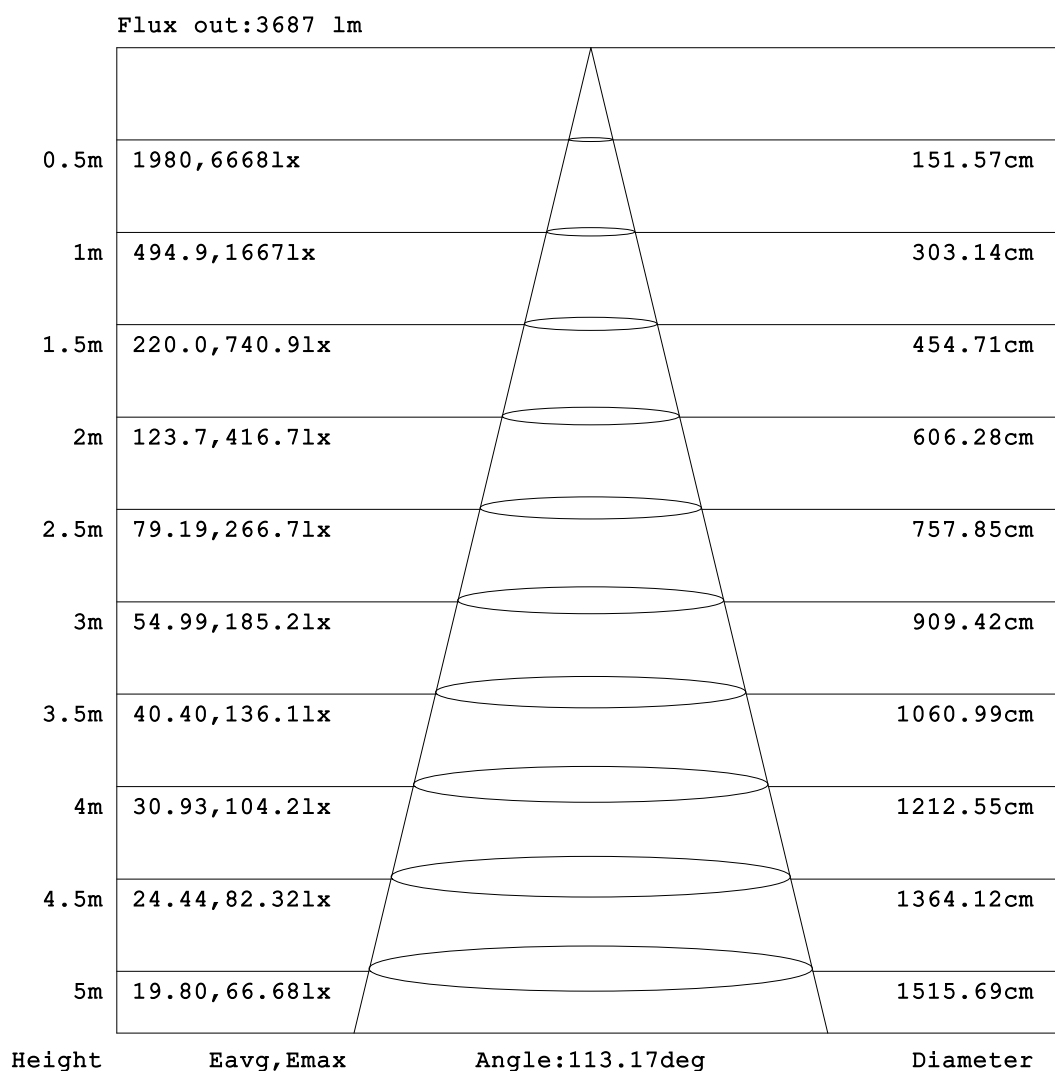


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

AAI Figure

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



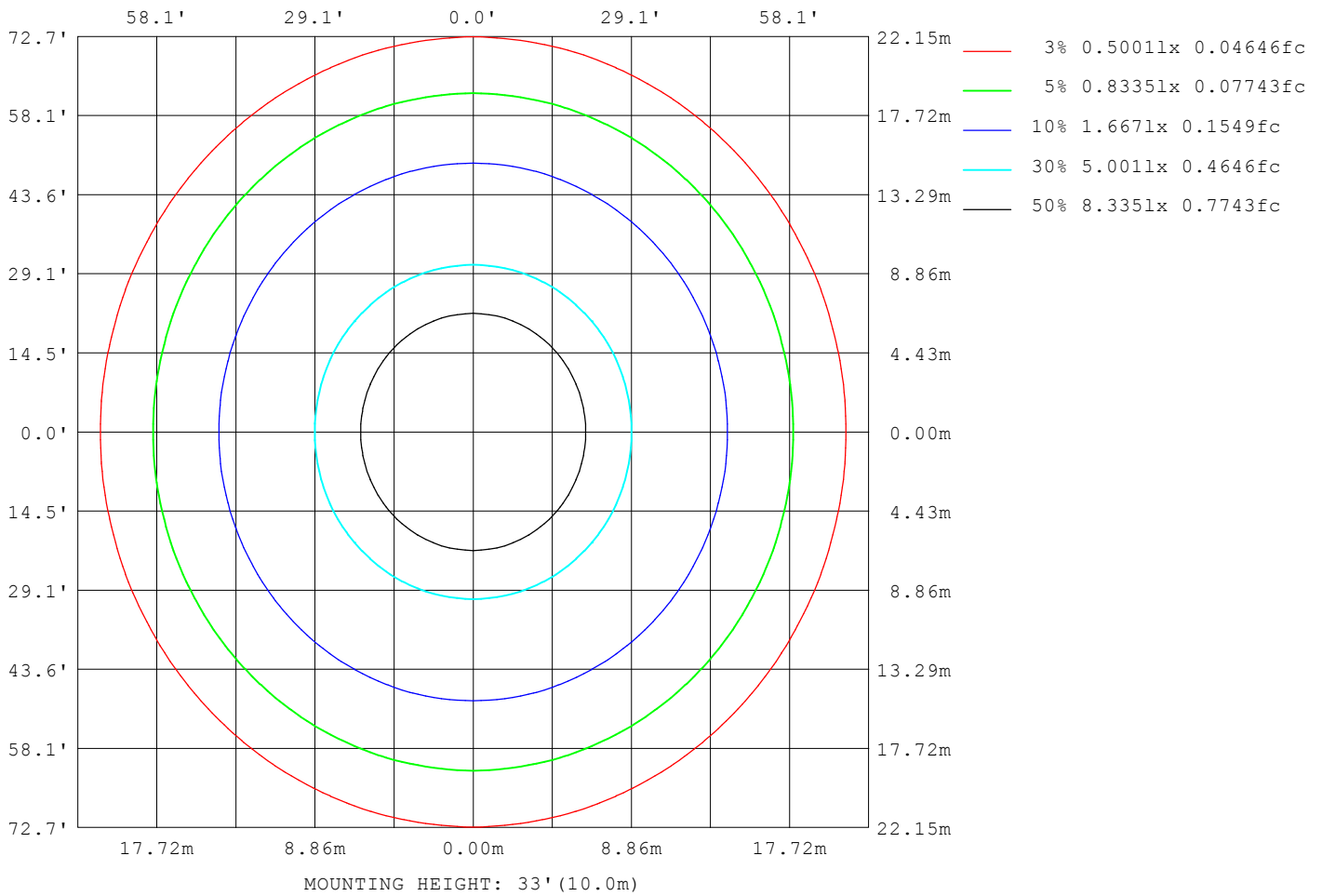
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

ISOLUX DIAGRAM

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	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:25.7°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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

LED Avg.L Report

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

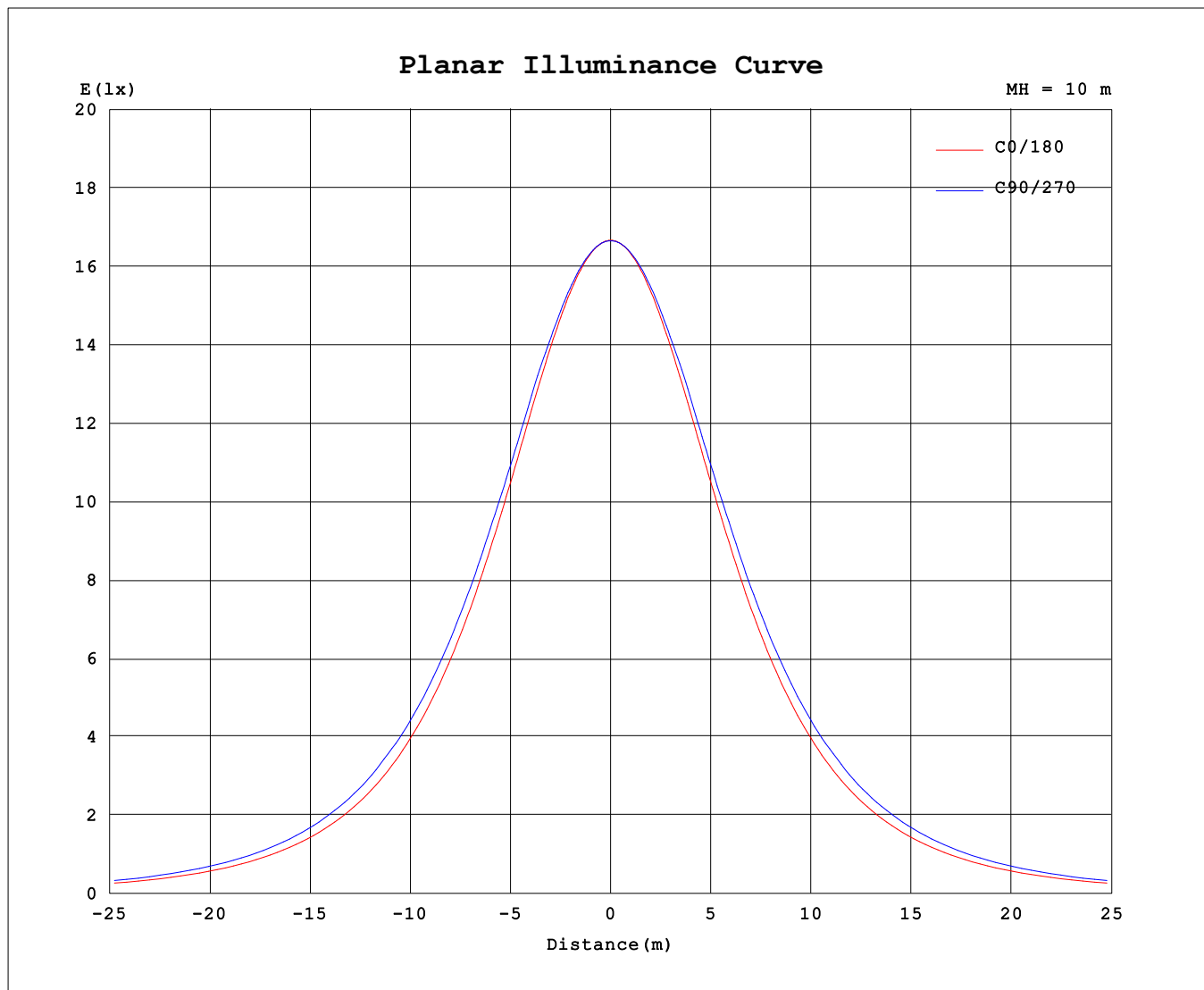
AvgL	cd/m2
L_0~180 (65) av	12013
L_0~180 (75) av	10344
L_0~180 (85) av	6322
L_90~270 (65) av	14664
L_90~270 (75) av	13080
L_90~270 (85) av	7942
L_45 (65) av	13167
L_45 (75) av	11514
L_45 (85) av	7021

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°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: 42.4%
Test Distance: 1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K	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	1667	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1666	1667	1666	1666	1666	1666	1666	1666
5	1660	1659	1659	1660	1660	1661	1661	1661	1660	1660	1659	1659	1660	1659	1659	1660	1660	1661	1661
10	1638	1638	1639	1642	1644	1646	1647	1646	1644	1642	1639	1638	1638	1638	1639	1642	1644	1646	1647
15	1601	1602	1606	1611	1617	1621	1622	1621	1617	1611	1606	1602	1601	1602	1606	1611	1617	1621	1622
20	1551	1553	1560	1569	1578	1590	1593	1590	1578	1569	1560	1553	1551	1553	1560	1569	1578	1590	1593
25	1488	1491	1501	1515	1533	1540	1543	1540	1533	1515	1501	1491	1488	1491	1501	1515	1533	1540	1543
30	1412	1417	1430	1453	1468	1484	1491	1484	1468	1453	1430	1417	1412	1417	1430	1453	1468	1484	1491
35	1325	1330	1347	1370	1398	1414	1421	1414	1398	1370	1347	1330	1325	1330	1347	1370	1398	1414	1421
40	1227	1233	1254	1280	1310	1333	1342	1333	1310	1280	1254	1233	1227	1233	1254	1280	1310	1333	1342
45	1119	1126	1150	1179	1213	1238	1248	1238	1213	1179	1150	1126	1119	1126	1150	1179	1213	1238	1248
50	1001	1009	1032	1068	1102	1136	1141	1136	1102	1068	1032	1009	1001	1009	1032	1068	1102	1136	1141
55	876	883	906	942	980	1009	1022	1009	980	942	906	883	876	883	906	942	980	1009	1022
60	742	750	773	806	844	876	885	876	844	806	773	750	742	750	773	806	844	876	885
65	603	609	630	661	695	724	736	724	695	661	630	609	603	609	630	661	695	724	736
70	460	466	483	509	538	563	574	563	538	509	483	466	460	466	483	509	538	563	574
75	318	322	334	354	376	394	402	394	376	354	334	322	318	322	334	354	376	394	402
80	182	185	193	204	217	228	233	228	217	204	193	185	182	185	193	204	217	228	233
85	65.4	65.9	68.9	72.6	76.8	81.0	82.2	81.0	76.8	72.6	68.9	65.9	65.4	65.9	68.9	72.6	76.8	81.0	82.2
90	3.99	3.49	3.75	3.55	3.28	4.24	3.46	4.24	3.28	3.55	3.75	3.49	3.99	3.49	3.75	3.55	3.28	4.24	3.46
95	0.69	0.68	0.64	0.59	0.46	0.27	0.23	0.27	0.46	0.59	0.64	0.68	0.69	0.68	0.64	0.59	0.46	0.27	0.23
100	0.86	0.82	0.78	0.72	0.64	0.43	0.36	0.43	0.64	0.72	0.78	0.82	0.86	0.82	0.78	0.72	0.64	0.43	0.36
105	0.96	0.92	0.91	0.89	0.79	0.57	0.49	0.57	0.79	0.89	0.91	0.92	0.96	0.92	0.91	0.89	0.79	0.57	0.49
110	1.05	1.07	1.04	1.00	0.91	0.68	0.59	0.68	0.91	1.00	1.04	1.07	1.05	1.07	1.04	1.00	0.91	0.68	0.59
115	1.20	1.21	1.17	1.12	1.02	0.81	0.68	0.81	1.02	1.12	1.17	1.21	1.20	1.21	1.17	1.12	1.02	0.81	0.68
120	1.32	1.33	1.30	1.24	1.13	0.91	0.78	0.91	1.13	1.24	1.30	1.33	1.32	1.33	1.30	1.24	1.13	0.91	0.78
125	1.43	1.46	1.42	1.34	1.24	1.08	0.93	1.08	1.24	1.34	1.42	1.46	1.43	1.46	1.42	1.34	1.24	1.08	0.93
130	1.68	1.72	1.64	1.55	1.48	1.28	1.16	1.28	1.48	1.55	1.64	1.72	1.68	1.72	1.64	1.55	1.48	1.28	1.16
135	1.99	2.01	1.90	1.83	1.74	1.53	1.45	1.53	1.74	1.83	1.90	2.01	1.99	2.01	1.90	1.83	1.74	1.53	1.45
140	2.40	2.39	2.28	2.21	2.09	1.88	1.82	1.88	2.09	2.21	2.28	2.39	2.40	2.39	2.28	2.21	2.09	1.88	1.82
145	2.85	2.81	2.77	2.61	2.42	2.27	2.22	2.27	2.42	2.61	2.77	2.81	2.85	2.81	2.77	2.61	2.42	2.27	2.22
150	3.26	3.18	3.09	2.93	2.70	2.59	2.57	2.59	2.70	2.93	3.09	3.18	3.26	3.18	3.09	2.93	2.70	2.59	2.57
155	3.48	3.39	3.27	3.12	2.87	2.83	2.80	2.83	2.87	3.12	3.27	3.39	3.48	3.39	3.27	3.12	2.87	2.83	2.80
160	3.49	3.42	3.27	3.09	2.98	2.93	2.91	2.93	2.98	3.09	3.27	3.42	3.49	3.42	3.27	3.09	2.98	2.93	2.91
165	3.39	3.33	3.20	3.07	3.00	2.97	2.99	2.97	3.00	3.07	3.20	3.33	3.39	3.33	3.20	3.07	3.00	2.97	2.99
170	3.30	3.29	3.20	3.10	3.04	3.01	3.01	3.01	3.04	3.10	3.20	3.29	3.30	3.29	3.20	3.10	3.04	3.01	3.01
175	3.25	3.27	3.21	3.12	3.06	3.04	3.02	3.04	3.06	3.12	3.21	3.27	3.25	3.27	3.21	3.12	3.06	3.04	3.02
180	3.40	3.33	3.22	3.15	3.10	3.06	3.04	3.06	3.10	3.15	3.22	3.33	3.40	3.33	3.22	3.15	3.10	3.06	3.04

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.99V I:0.3405A P:40.581W PF:0.9933 Freq:60.01Hz Lamp Flux:5059.86x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	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	1666	1666	1666	1666	1666														
5	1661	1660	1660	1659	1659														
10	1646	1644	1642	1639	1638														
15	1621	1617	1611	1606	1602														
20	1590	1578	1569	1560	1553														
25	1540	1533	1515	1501	1491														
30	1484	1468	1453	1430	1417														
35	1414	1398	1370	1347	1330														
40	1333	1310	1280	1254	1233														
45	1238	1213	1179	1150	1126														
50	1136	1102	1068	1032	1009														
55	1009	980	942	906	883														
60	876	844	806	773	750														
65	724	695	661	630	609														
70	563	538	509	483	466														
75	394	376	354	334	322														
80	228	217	204	193	185														
85	81.0	76.8	72.6	68.9	65.9														
90	4.24	3.28	3.55	3.75	3.49														
95	0.27	0.46	0.59	0.64	0.68														
100	0.43	0.64	0.72	0.78	0.82														
105	0.57	0.79	0.89	0.91	0.92														
110	0.68	0.91	1.00	1.04	1.07														
115	0.81	1.02	1.12	1.17	1.21														
120	0.91	1.13	1.24	1.30	1.33														
125	1.08	1.24	1.34	1.42	1.46														
130	1.28	1.48	1.55	1.64	1.72														
135	1.53	1.74	1.83	1.90	2.01														
140	1.88	2.09	2.21	2.28	2.39														
145	2.27	2.42	2.61	2.77	2.81														
150	2.59	2.70	2.93	3.09	3.18														
155	2.83	2.87	3.12	3.27	3.39														
160	2.93	2.98	3.09	3.27	3.42														
165	2.97	3.00	3.07	3.20	3.33														
170	3.01	3.04	3.10	3.20	3.29														
175	3.04	3.06	3.12	3.21	3.27														
180	3.06	3.10	3.15	3.22	3.33														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7℃
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:42.4%
Test Distance:1.900m [K=1.0924]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000: