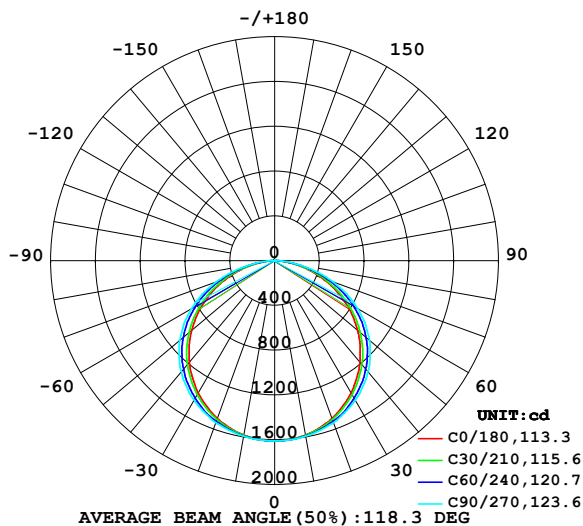


LUMINAIRE PHOTOMETRIC TEST REPORT

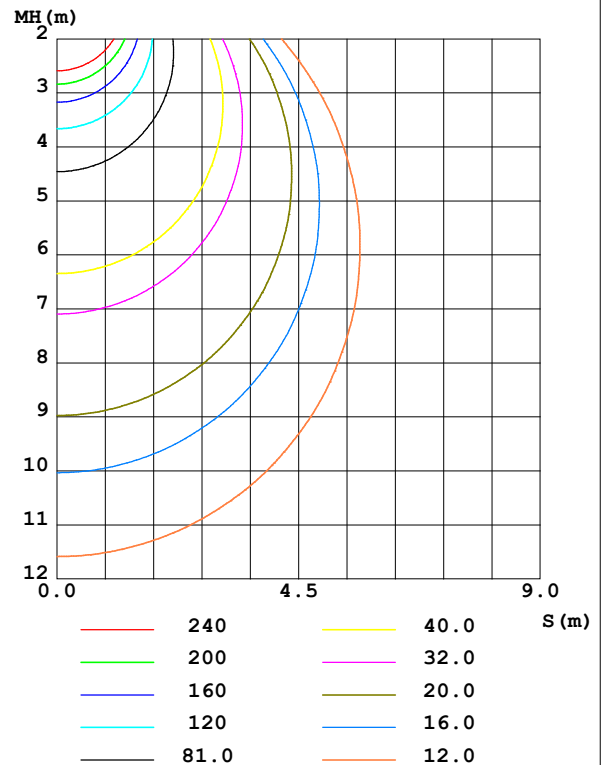
Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 122.07 lm/W			
MODEL		I _{max} (cd)	1611	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)	4891.0	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	4891	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℃
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%_3000:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

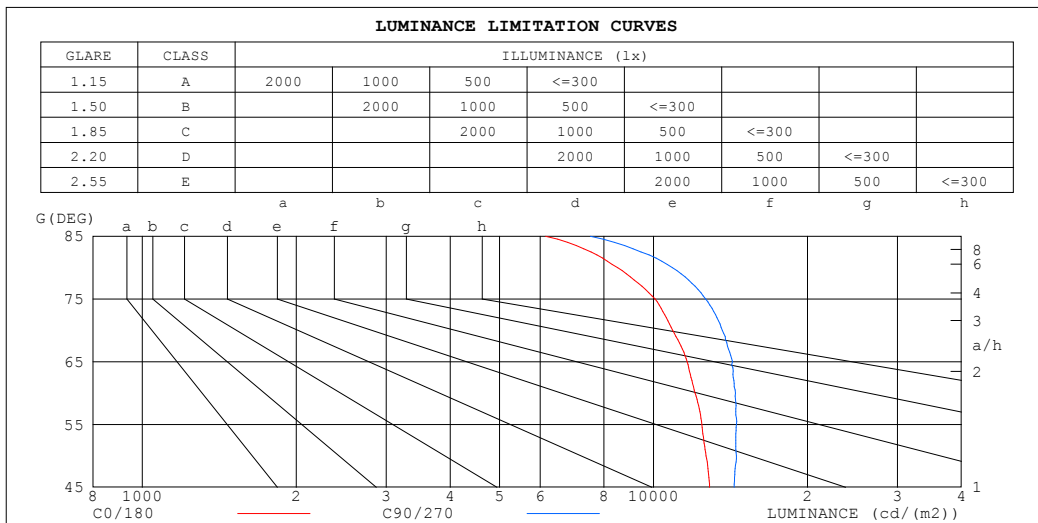
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1582	1588	1592	1588	1582	1588	1592	1588	0- 10	152.7	152.7	3.12,3.12
20	1500	1518	1540	1518	1500	1518	1540	1518	10- 20	440.2	592.8	12.1,12.1
30	1366	1406	1439	1406	1366	1406	1439	1406	20- 30	676.1	1269	25.9,25.9
40	1186	1238	1297	1238	1186	1238	1297	1238	30- 40	830.1	2099	42.9,42.9
50	967.1	1033	1108	1033	967.1	1033	1108	1033	40- 50	881.0	2980	60.9,60.9
60	715.8	778.7	857.9	778.7	715.8	778.7	857.9	778.7	50- 60	815.6	3796	77.6,77.6
70	442.5	491.8	553.7	491.8	442.5	491.8	553.7	491.8	60- 70	635.1	4431	90.6,90.6
80	175.3	196.7	224.3	196.7	175.3	196.7	224.3	196.7	70- 80	364.1	4795	98,98
90	3.965	2.699	2.133	2.699	3.965	2.699	2.133	2.699	80- 90	87.05	4882	99.8,99.8
100	0.8293	0.7013	0.3759	0.7013	0.8293	0.7013	0.3759	0.7013	90-100	0.7672	4883	99.8,99.8
110	1.011	0.9671	0.5667	0.9671	1.011	0.9671	0.5667	0.9671	100-110	0.8195	4883	99.8,99.8
120	1.277	1.195	0.7581	1.195	1.277	1.195	0.7581	1.195	110-120	0.9977	4884	99.9,99.9
130	1.627	1.511	1.146	1.511	1.627	1.511	1.146	1.511	120-130	1.132	4886	99.9,99.9
140	2.318	2.151	1.784	2.151	2.318	2.151	1.784	2.151	130-140	1.357	4887	99.9,99.9
150	3.151	2.842	2.497	2.842	3.151	2.842	2.497	2.842	140-150	1.542	4888	99.9,99.9
160	3.378	2.981	2.805	2.981	3.378	2.981	2.805	2.981	150-160	1.378	4890	100,100
170	3.197	2.979	2.880	2.979	3.197	2.979	2.880	2.979	160-170	0.8568	4891	100,100
180	3.288	3.044	2.932	3.044	3.288	3.044	2.932	3.044	170-180	0.2887	4891	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%_3000:

LUMINANCE LIMITATION CURVES

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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	6153	7523
80	8502	10880
75	10069	12652
70	10899	13638
65	11631	14284
60	12061	14455
55	12431	14535
50	12675	14522
45	12871	14380

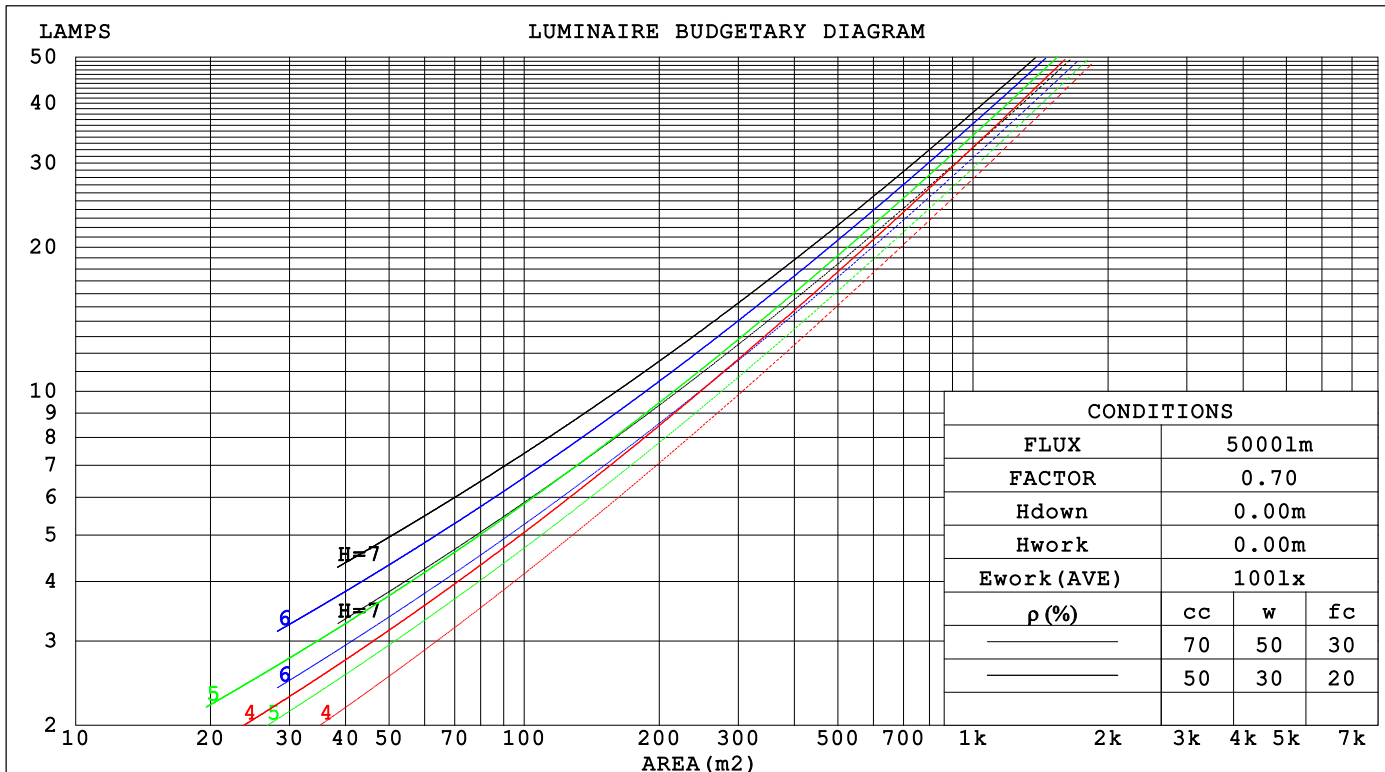
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.7°C
Operators: Alan Wang
Test Date: 2026-04-30

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%_3000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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	.35	.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%_3000K

WEC AND CCEC

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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	.178	.057	.307	.175	.056	.293	.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	.117	.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	.197	.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	.078	.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%_3000:

UGR(Unified Glare Rating) Table

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K					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	21.6	23.1	21.9	23.3	23.6	22.4	23.9	22.7	24.1	24.3
3H	23.1	24.5	23.4	24.7	25.0	24.1	25.5	24.4	25.7	26.0
4H	23.6	25.0	24.0	25.3	25.5	24.7	26.1	25.1	26.4	26.6
6H	24.0	25.3	24.4	25.6	25.9	25.2	26.5	25.5	26.7	27.0
8H	24.1	25.4	24.5	25.7	25.9	25.3	26.5	25.7	26.8	27.1
12H	24.2	25.4	24.5	25.7	26.0	25.4	26.5	25.7	26.8	27.2
4H 2H	22.3	23.7	22.6	23.9	24.2	22.9	24.3	23.2	24.5	24.8
3H	24.0	25.2	24.3	25.5	25.8	24.8	26.0	25.2	26.3	26.6
4H	24.7	25.7	25.0	26.1	26.4	25.6	26.7	26.0	27.0	27.4
6H	25.1	26.1	25.5	26.5	26.8	26.2	27.1	26.6	27.5	27.9
8H	25.3	26.2	25.7	26.6	26.9	26.3	27.2	26.8	27.6	28.0
12H	25.4	26.2	25.8	26.6	27.0	26.4	27.3	26.9	27.7	28.1
8H 4H	25.0	25.9	25.4	26.2	26.6	25.8	26.7	26.2	27.1	27.5
6H	25.6	26.3	26.0	26.8	27.2	26.5	27.3	27.0	27.7	28.1
8H	25.8	26.5	26.3	26.9	27.4	26.8	27.4	27.2	27.9	28.3
12H	25.9	26.5	26.4	27.0	27.4	26.9	27.5	27.4	27.9	28.4
12H 4H	25.0	25.8	25.4	26.2	26.6	25.8	26.6	26.2	27.0	27.4
6H	25.7	26.3	26.1	26.8	27.2	26.6	27.2	27.0	27.7	28.1
8H	25.9	26.5	26.4	26.9	27.4	26.8	27.4	27.3	27.9	28.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 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, 4891 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.5)
Area: 0.118701 m2

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%_3000K

UTILIZATION FACTORS TABLE

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

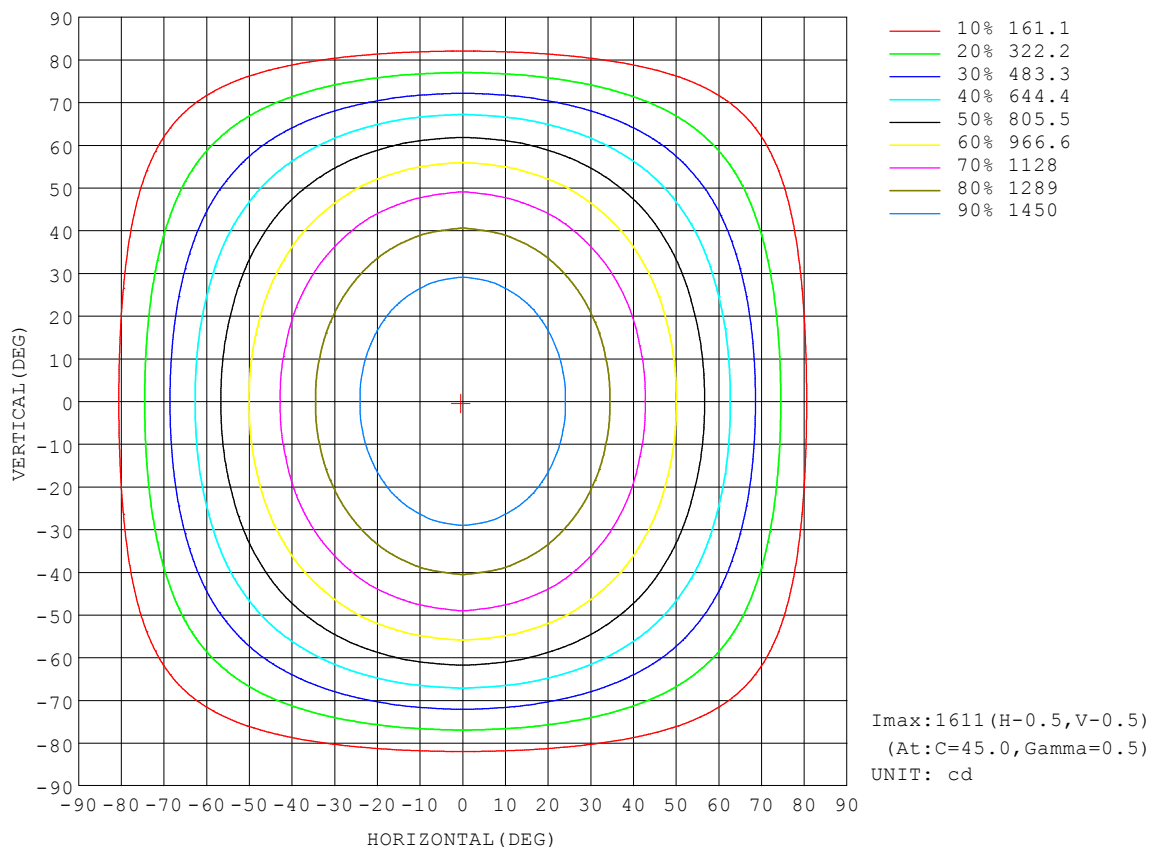
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	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	82	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%_3000K

ISOCANDELA DIAGRAM

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

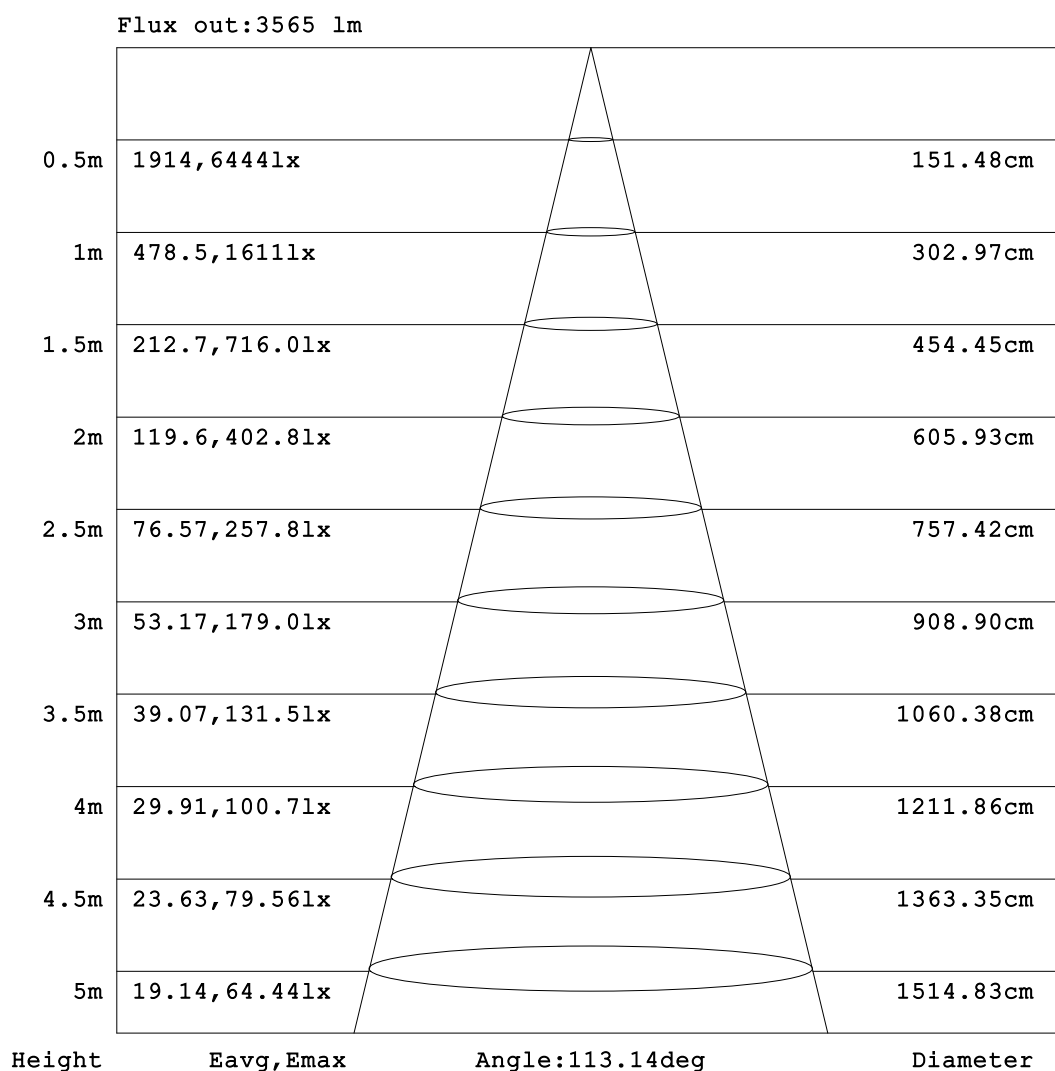


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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%_3000K

AAI Figure

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891lx1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:



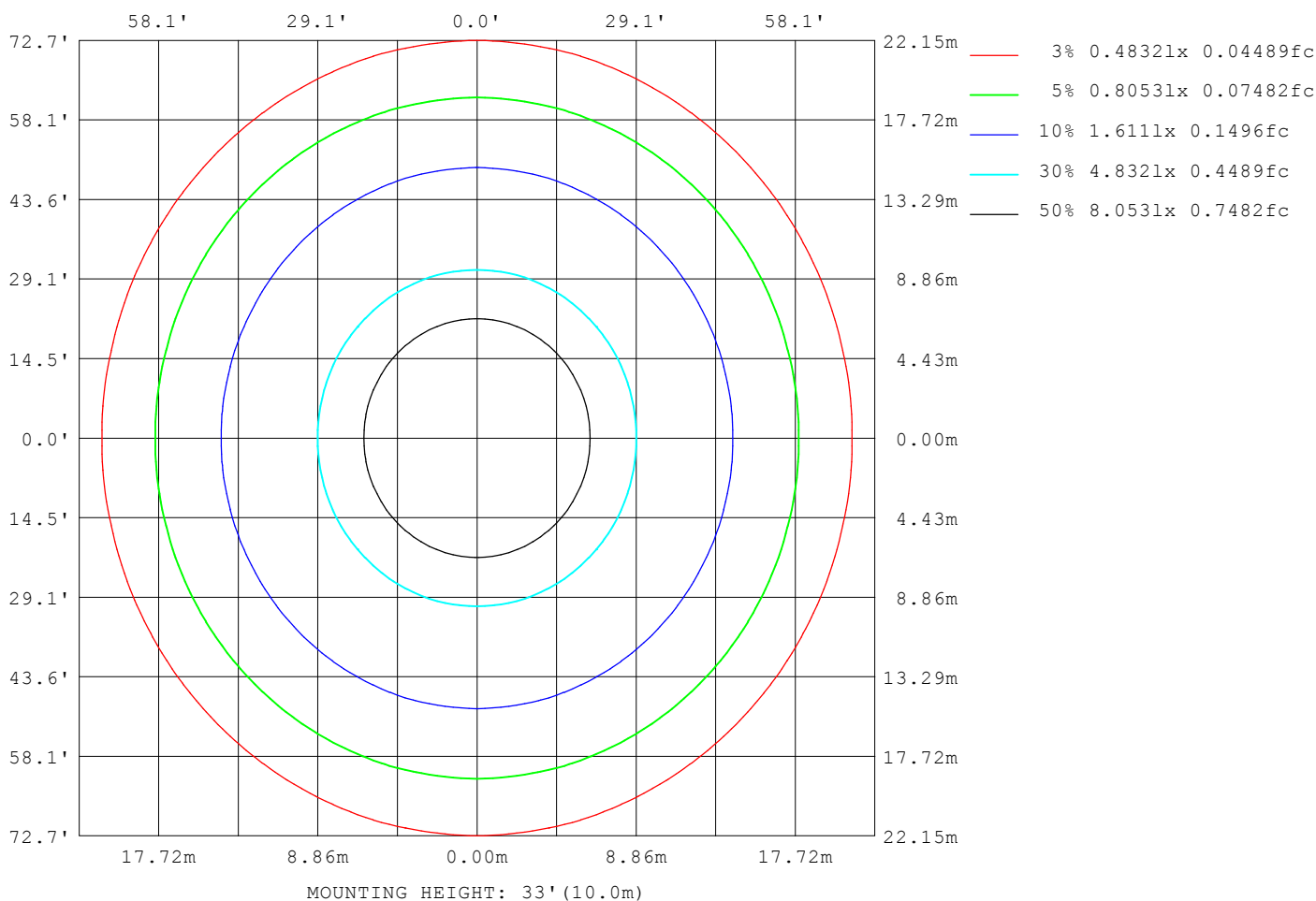
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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%_3000K

ISOLUX DIAGRAM

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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%_3000K

LED Avg.L Report

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

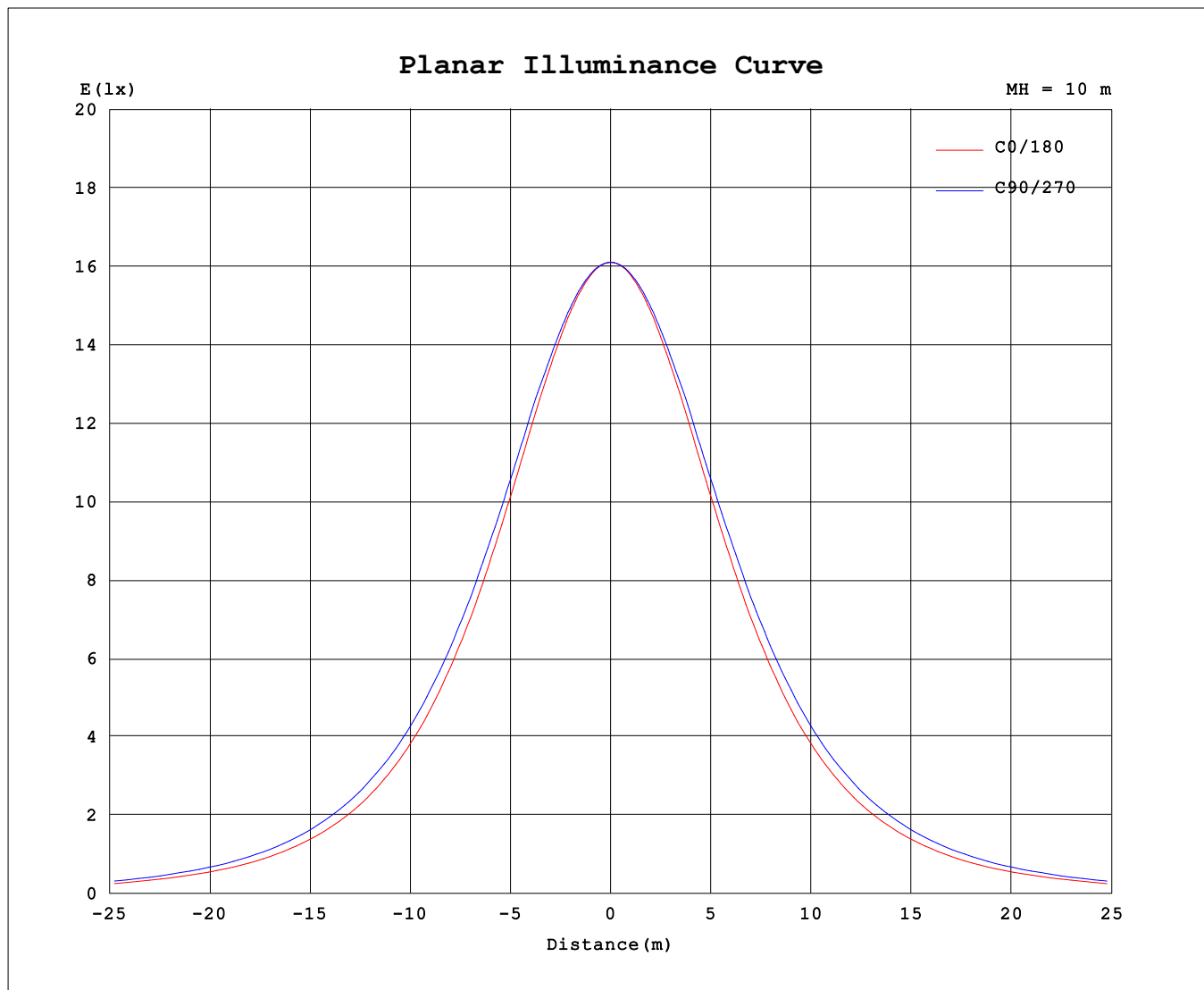
AvgL	cd/m2
L_0~180 (65) av	11631
L_0~180 (75) av	10069
L_0~180 (85) av	6153
L_90~270 (65) av	14284
L_90~270 (75) av	12652
L_90~270 (85) av	7523
L_45 (65) av	12724
L_45 (75) av	11124
L_45 (85) av	6718

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%_3000:

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%-3000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611	1611
5	1604	1604	1605	1605	1606	1606	1606	1606	1606	1605	1605	1604	1604	1604	1605	1605	1606	1606	1606
10	1582	1583	1585	1588	1590	1592	1592	1592	1590	1588	1585	1583	1582	1583	1585	1588	1590	1592	1592
15	1547	1549	1553	1558	1564	1568	1569	1568	1564	1558	1553	1549	1547	1549	1553	1558	1564	1568	1569
20	1500	1503	1509	1518	1527	1537	1540	1537	1527	1518	1509	1503	1500	1503	1509	1518	1527	1537	1540
25	1437	1442	1452	1465	1482	1490	1493	1490	1482	1465	1452	1442	1437	1442	1452	1465	1482	1490	1493
30	1366	1370	1383	1406	1420	1434	1439	1434	1420	1406	1383	1370	1366	1370	1383	1406	1420	1434	1439
35	1279	1286	1302	1325	1350	1368	1374	1368	1350	1325	1302	1286	1279	1286	1302	1325	1350	1368	1374
40	1186	1192	1212	1238	1267	1289	1297	1289	1267	1238	1212	1192	1186	1192	1212	1238	1267	1289	1297
45	1080	1088	1112	1140	1172	1197	1207	1197	1172	1140	1112	1088	1080	1088	1112	1140	1172	1197	1207
50	967	975	997	1033	1065	1096	1108	1096	1065	1033	997	975	967	975	997	1033	1065	1096	1108
55	846	854	876	910	949	976	990	976	949	910	876	854	846	854	876	910	949	976	990
60	716	725	747	779	815	844	858	844	815	779	747	725	716	725	747	779	815	844	858
65	583	589	610	638	673	706	717	706	673	638	610	589	583	589	610	638	673	706	717
70	442	450	466	492	520	544	554	544	520	492	466	450	442	450	466	492	520	544	554
75	309	311	323	342	363	381	389	381	363	342	323	311	309	311	323	342	363	381	389
80	175	179	186	197	209	220	224	220	209	197	186	179	175	179	186	197	209	220	224
85	63.7	63.6	65.7	69.5	73.5	76.7	77.8	76.7	73.5	69.5	65.7	63.6	63.7	63.6	65.7	69.5	73.5	76.7	77.8
90	3.96	3.37	2.82	2.70	2.55	2.95	2.13	2.95	2.55	2.70	2.82	3.37	3.96	3.37	2.82	2.70	2.55	2.95	2.13
95	0.67	0.65	0.62	0.57	0.45	0.26	0.23	0.26	0.45	0.57	0.62	0.65	0.67	0.65	0.62	0.57	0.45	0.26	0.23
100	0.83	0.79	0.77	0.70	0.63	0.43	0.38	0.43	0.63	0.70	0.77	0.79	0.83	0.79	0.77	0.70	0.63	0.43	0.38
105	0.93	0.89	0.88	0.85	0.76	0.55	0.47	0.55	0.76	0.85	0.88	0.89	0.93	0.89	0.88	0.85	0.76	0.55	0.47
110	1.01	1.03	1.01	0.97	0.88	0.66	0.57	0.66	0.88	0.97	1.01	1.03	1.01	1.03	1.01	0.97	0.88	0.66	0.57
115	1.16	1.17	1.13	1.08	0.99	0.78	0.65	0.78	0.99	1.08	1.13	1.17	1.16	1.17	1.13	1.08	0.99	0.78	0.65
120	1.28	1.29	1.25	1.19	1.09	0.88	0.76	0.88	1.09	1.19	1.25	1.29	1.28	1.29	1.25	1.19	1.09	0.88	0.76
125	1.39	1.41	1.38	1.29	1.20	1.04	0.91	1.04	1.20	1.29	1.38	1.41	1.39	1.41	1.38	1.29	1.20	1.04	0.91
130	1.63	1.67	1.60	1.51	1.44	1.25	1.15	1.25	1.44	1.51	1.60	1.67	1.63	1.67	1.60	1.51	1.44	1.25	1.15
135	1.92	1.94	1.85	1.78	1.70	1.50	1.42	1.50	1.70	1.78	1.85	1.94	1.92	1.94	1.85	1.78	1.70	1.50	1.42
140	2.32	2.31	2.22	2.15	2.04	1.84	1.78	1.84	2.04	2.15	2.22	2.31	2.32	2.31	2.22	2.15	2.04	1.84	1.78
145	2.75	2.71	2.70	2.54	2.36	2.21	2.16	2.21	2.36	2.54	2.70	2.71	2.75	2.71	2.70	2.54	2.36	2.21	2.16
150	3.15	3.08	3.00	2.84	2.63	2.53	2.50	2.53	2.63	2.84	3.00	3.08	3.15	3.08	3.00	2.84	2.63	2.53	2.50
155	3.37	3.28	3.17	3.03	2.78	2.74	2.72	2.74	2.78	3.03	3.17	3.28	3.37	3.28	3.17	3.03	2.78	2.74	2.72
160	3.38	3.31	3.16	2.98	2.90	2.83	2.81	2.83	2.90	2.98	3.16	3.31	3.38	3.31	3.16	2.98	2.90	2.83	2.81
165	3.28	3.22	3.08	2.96	2.89	2.85	2.83	2.85	2.89	2.96	3.08	3.22	3.28	3.22	3.08	2.96	2.89	2.85	2.83
170	3.20	3.18	3.08	2.98	2.92	2.90	2.88	2.90	2.92	2.98	3.08	3.18	3.20	3.18	3.08	2.98	2.92	2.90	2.88
175	3.15	3.17	3.08	3.00	2.95	2.92	2.90	2.92	2.95	3.00	3.08	3.17	3.15	3.17	3.08	3.00	2.95	2.92	2.90
180	3.29	3.22	3.11	3.04	2.99	2.95	2.93	2.95	2.99	3.04	3.11	3.22	3.29	3.22	3.11	3.04	2.99	2.95	2.93

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%_3000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.91V I:0.3364A P:40.068W PF:0.9932 Freq:60.01Hz Lamp Flux:4891x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_3000K	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	1611	1611	1611	1611	1611													
5	1606	1606	1605	1605	1604													
10	1592	1590	1588	1585	1583													
15	1568	1564	1558	1553	1549													
20	1537	1527	1518	1509	1503													
25	1490	1482	1465	1452	1442													
30	1434	1420	1406	1383	1370													
35	1368	1350	1325	1302	1286													
40	1289	1267	1238	1212	1192													
45	1197	1172	1140	1112	1088													
50	1096	1065	1033	997	975													
55	976	949	910	876	854													
60	844	815	779	747	725													
65	706	673	638	610	589													
70	544	520	492	466	450													
75	381	363	342	323	311													
80	220	209	197	186	179													
85	76.7	73.5	69.5	65.7	63.6													
90	2.95	2.55	2.70	2.82	3.37													
95	0.26	0.45	0.57	0.62	0.65													
100	0.43	0.63	0.70	0.77	0.79													
105	0.55	0.76	0.85	0.88	0.89													
110	0.66	0.88	0.97	1.01	1.03													
115	0.78	0.99	1.08	1.13	1.17													
120	0.88	1.09	1.19	1.25	1.29													
125	1.04	1.20	1.29	1.38	1.41													
130	1.25	1.44	1.51	1.60	1.67													
135	1.50	1.70	1.78	1.85	1.94													
140	1.84	2.04	2.15	2.22	2.31													
145	2.21	2.36	2.54	2.70	2.71													
150	2.53	2.63	2.84	3.00	3.08													
155	2.74	2.78	3.03	3.17	3.28													
160	2.83	2.90	2.98	3.16	3.31													
165	2.85	2.89	2.96	3.08	3.22													
170	2.90	2.92	2.98	3.08	3.18													
175	2.92	2.95	3.00	3.08	3.17													
180	2.95	2.99	3.04	3.11	3.22													

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%_3000K