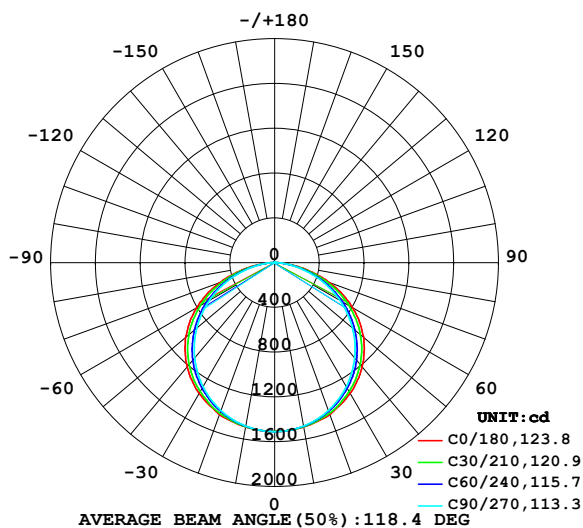


LUMINAIRE PHOTOMETRIC TEST REPORT

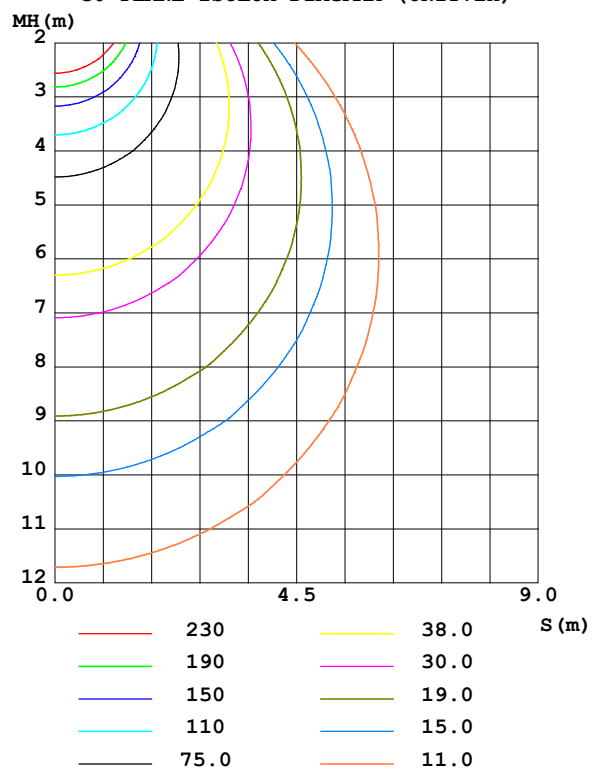
Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 119.17 lm/W
MODEL		I _{max} (cd)	1509	S/MH(C0/180)	1.33	
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	1.26	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	4590.6	η UP,DN(C0-180)	0.1,49.9	
NOMINAL FLUX(lm)	4590.56	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)	120.04	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:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

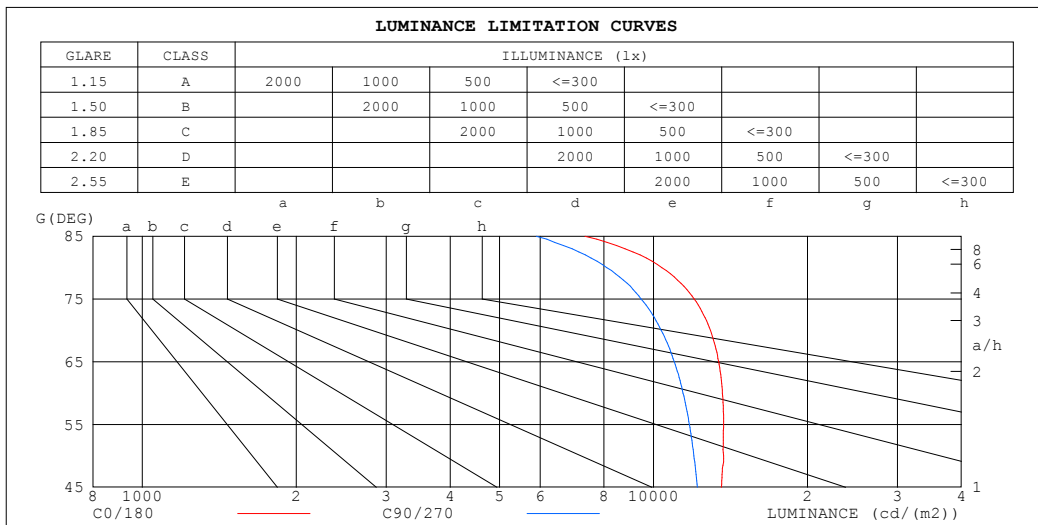
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1491	1487	1483	1487	1491	1487	1483	1487	0- 10	142.9	142.9	3.11,3.11
20	1444	1422	1406	1422	1444	1422	1406	1422	10- 20	412.4	555.4	12.1,12.1
30	1349	1315	1280	1315	1349	1315	1280	1315	20- 30	633.5	1189	25.9,25.9
40	1215	1162	1113	1162	1215	1162	1113	1162	30- 40	778.4	1967	42.9,42.9
50	1038	967.8	908.4	967.8	1038	967.8	908.4	967.8	40- 50	826.4	2794	60.9,60.9
60	803.6	732.0	673.0	732.0	803.6	732.0	673.0	732.0	50- 60	765.5	3559	77.5,77.5
70	520.5	462.2	417.3	462.2	520.5	462.2	417.3	462.2	60- 70	596.4	4155	90.5,90.5
80	212.5	185.8	165.8	185.8	212.5	185.8	165.8	185.8	70- 80	342.9	4498	98,98
90	1.561	2.397	2.202	2.397	1.561	2.397	2.202	2.397	80- 90	83.32	4582	99.8,99.8
100	0.3974	0.6930	0.7742	0.6930	0.3974	0.6930	0.7742	0.6930	90-100	0.6224	4582	99.8,99.8
110	0.5843	0.9698	1.000	0.9698	0.5843	0.9698	1.000	0.9698	100-110	0.8273	4583	99.8,99.8
120	0.7423	1.162	1.224	1.162	0.7423	1.162	1.224	1.162	110-120	0.9922	4584	99.9,99.9
130	1.098	1.439	1.543	1.439	1.098	1.439	1.543	1.439	120-130	1.090	4585	99.9,99.9
140	1.711	2.073	2.239	2.073	1.711	2.073	2.239	2.073	130-140	1.305	4587	99.9,99.9
150	2.394	2.762	3.037	2.762	2.394	2.762	3.037	2.762	140-150	1.495	4588	99.9,99.9
160	2.698	2.955	3.366	2.955	2.698	2.955	3.366	2.955	150-160	1.343	4589	100,100
170	2.797	2.959	3.213	2.959	2.797	2.959	3.213	2.959	160-170	0.8535	4590	100,100
180	2.835	2.975	3.190	2.975	2.835	2.975	3.190	2.975	170-180	0.2850	4591	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

LUMINANCE LIMITATION CURVES

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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	7342	5899
80	10385	8106
75	12009	9454
70	12919	10357
65	13408	10977
60	13642	11424
55	13713	11753
50	13709	11995
45	13581	12179

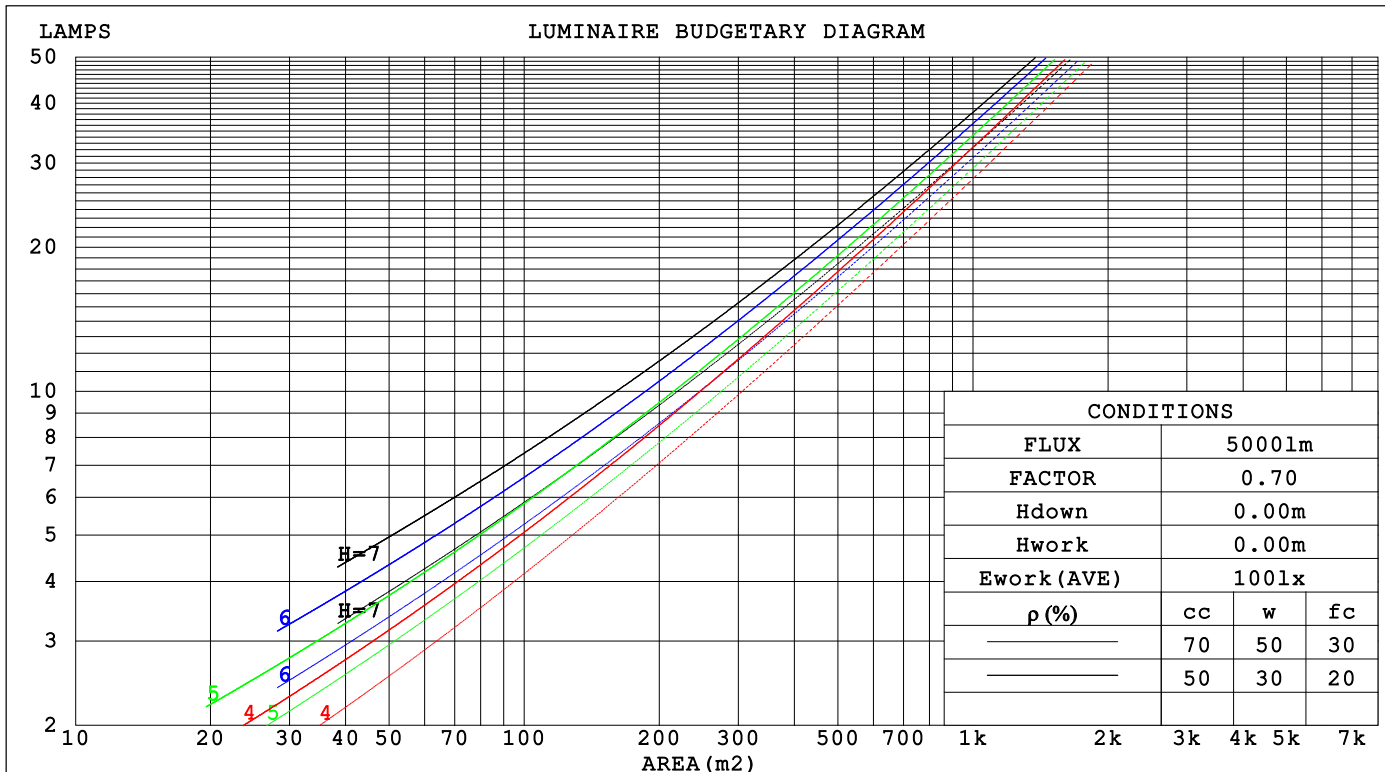
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

WEC AND CCEC

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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	.169	.054	.282	.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	.269	.144	.043	.258	.140	.042	.248	.136	.042	.239	.133	.041		
4.0	.253	.131	.039	.248	.130	.038	.238	.126	.038	.230	.123	.037	.222	.121	.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	.185	.091	.026	.179	.089	.025	.173	.088	.025	.168	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.163	.082	.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	.119	.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	.058	.023	.075	.040	.016	.044	.024	.010	.014	.008	.003		
10.0	.119	.062	.024	.103	.054	.021	.071	.038	.015	.042	.022	.009	.014	.007	.003		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

UGR(Unified Glare Rating) Table

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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	22.2	23.7	22.5	23.9	24.1	21.4	22.9	21.7	23.1	23.4
3H	23.9	25.3	24.2	25.6	25.8	22.9	24.3	23.2	24.5	24.8
4H	24.6	25.9	24.9	26.2	26.4	23.5	24.8	23.8	25.1	25.3
6H	25.0	26.3	25.4	26.6	26.9	23.8	25.1	24.2	25.4	25.7
8H	25.1	26.4	25.5	26.7	27.0	23.9	25.2	24.3	25.5	25.8
12H	25.2	26.4	25.5	26.7	27.0	24.0	25.2	24.3	25.5	25.8
4H 2H	22.7	24.1	23.1	24.3	24.6	22.1	23.5	22.4	23.7	24.0
3H	24.6	25.8	25.0	26.1	26.4	23.8	25.0	24.1	25.3	25.6
4H	25.4	26.5	25.8	26.8	27.2	24.5	25.6	24.8	25.9	26.2
6H	26.0	27.0	26.4	27.3	27.7	25.0	25.9	25.4	26.3	26.6
8H	26.2	27.1	26.6	27.5	27.8	25.1	26.0	25.5	26.4	26.8
12H	26.3	27.1	26.7	27.5	27.9	25.2	26.0	25.6	26.4	26.8
8H 4H	25.6	26.5	26.0	26.9	27.3	24.8	25.7	25.2	26.1	26.4
6H	26.4	27.1	26.8	27.5	27.9	25.4	26.2	25.9	26.6	27.0
8H	26.6	27.3	27.1	27.7	28.2	25.6	26.3	26.1	26.7	27.2
12H	26.8	27.3	27.2	27.8	28.3	25.8	26.3	26.2	26.8	27.3
12H 4H	25.6	26.5	26.1	26.8	27.3	24.8	25.6	25.2	26.0	26.4
6H	26.4	27.1	26.9	27.5	27.9	25.5	26.1	25.9	26.6	27.0
8H	26.7	27.2	27.2	27.7	28.2	25.7	26.3	26.2	26.8	27.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 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, 4591 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 5.3)
Area: 0.11781 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

UTILIZATION FACTORS TABLE

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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:

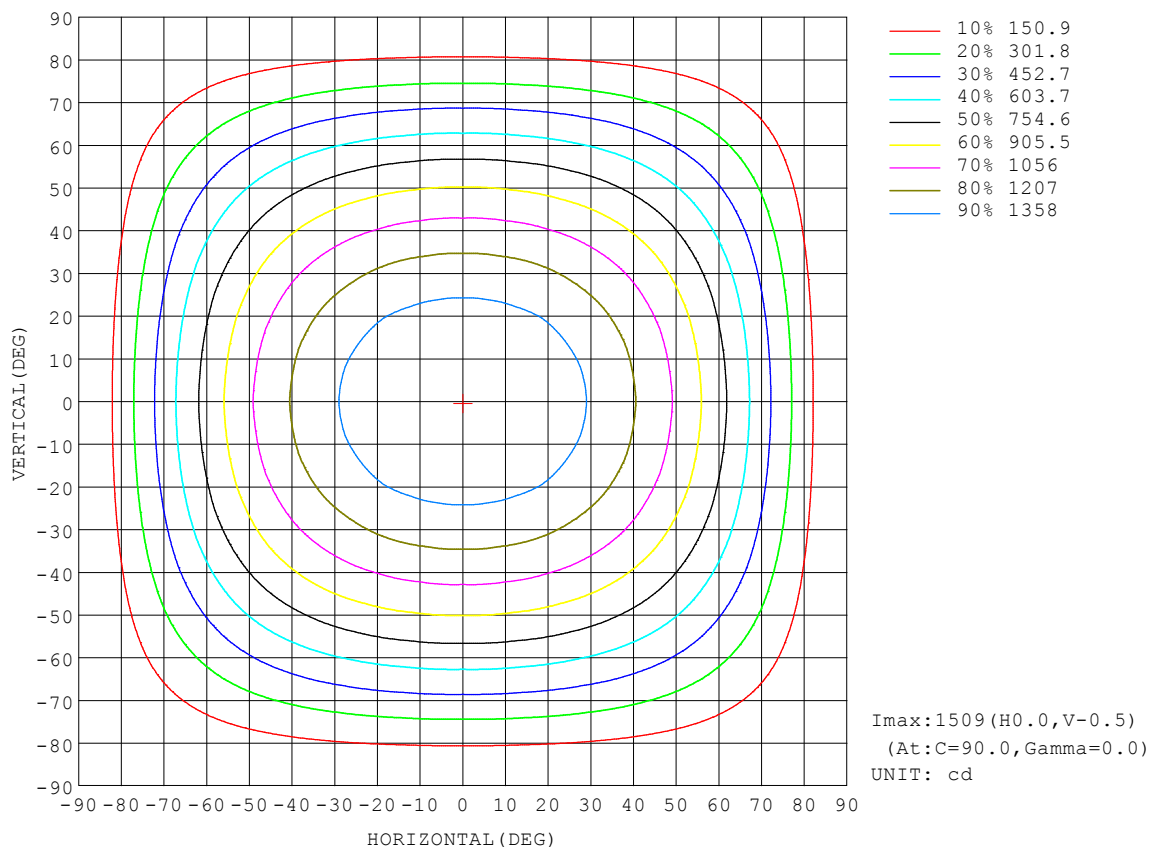
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	55	44	37	31
0.80	67	55	47	66	54	47	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	68	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:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

ISOCANDELA DIAGRAM

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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:

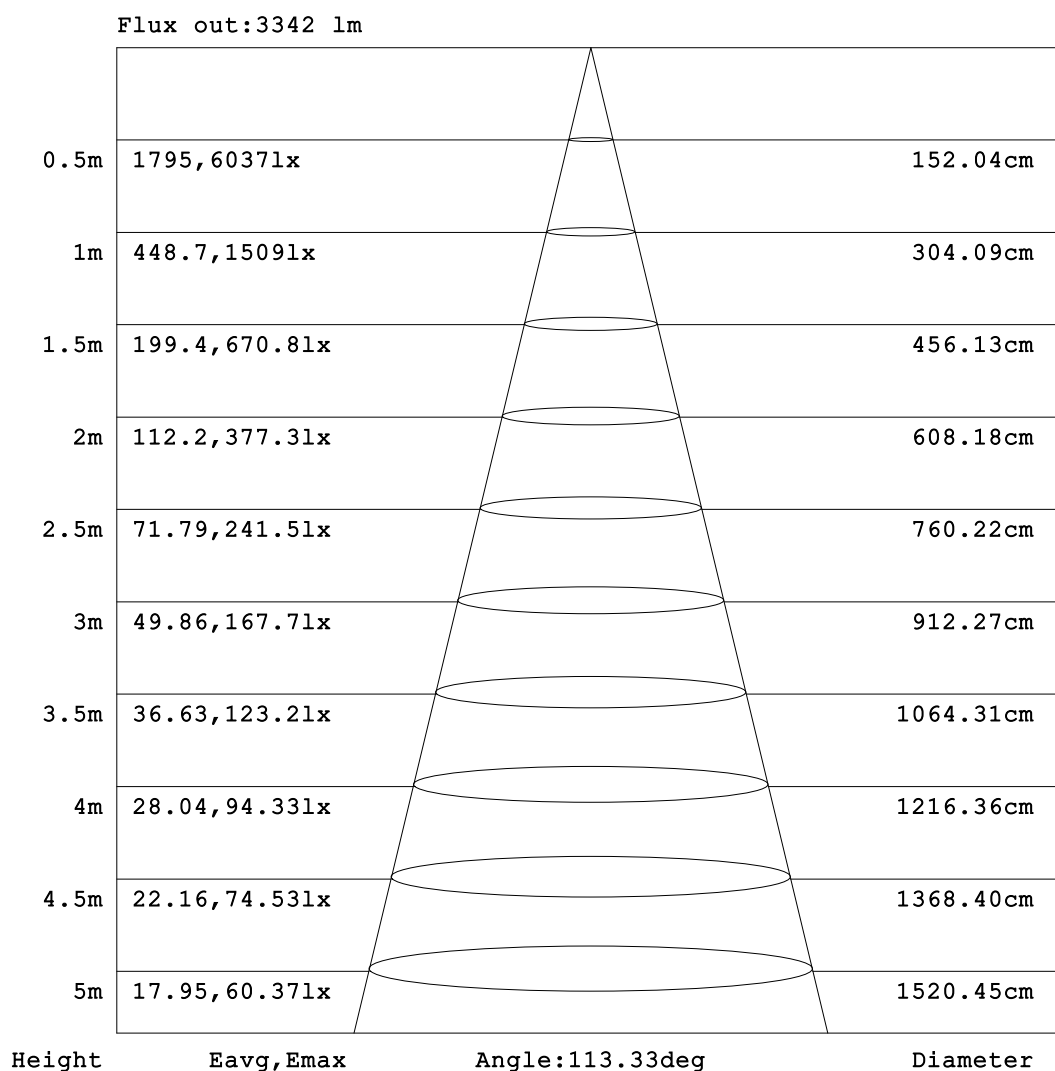


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

AAI Figure

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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:



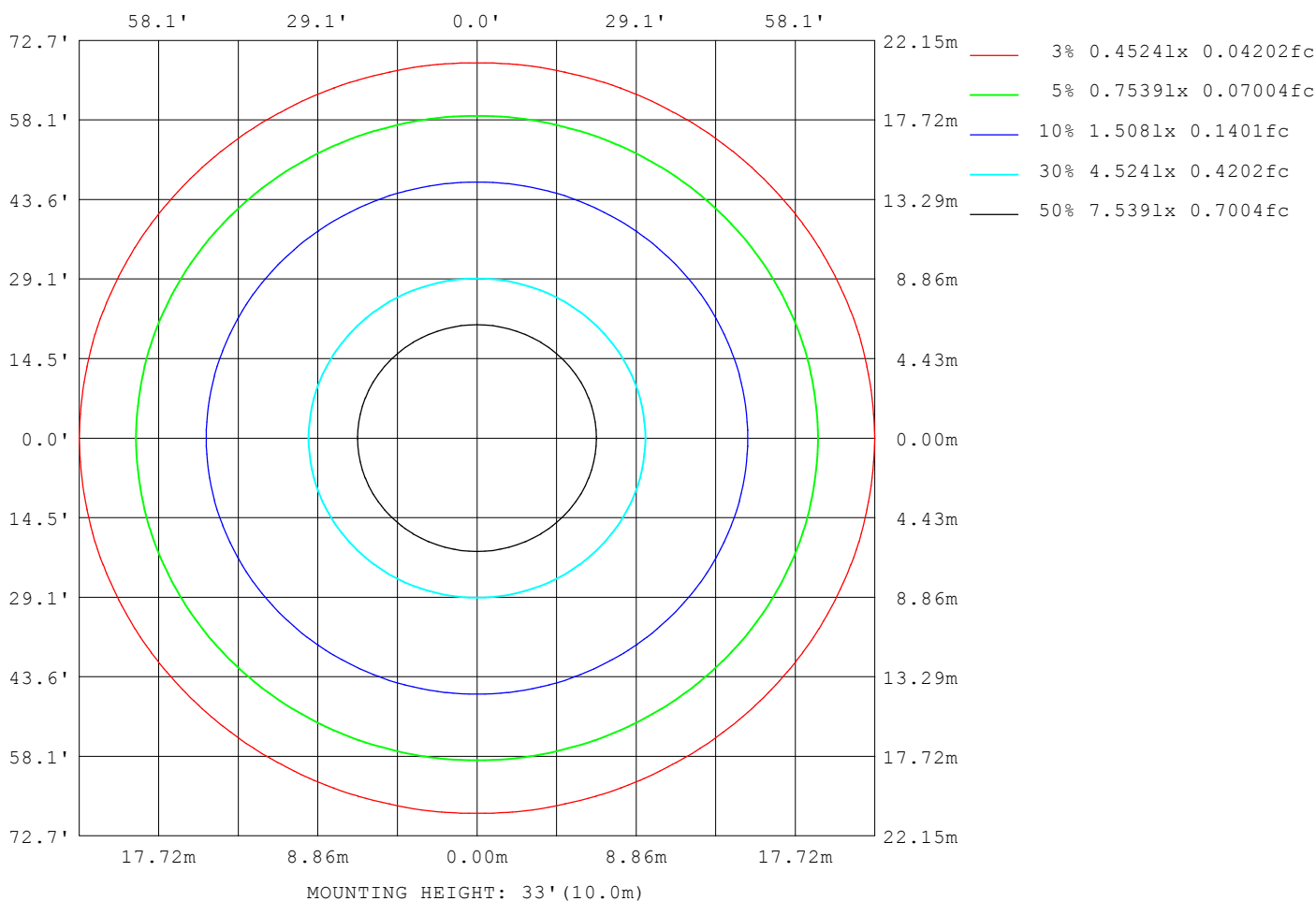
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

ISOLUX DIAGRAM

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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:25.2°C
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000K

LED Avg.L Report

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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:

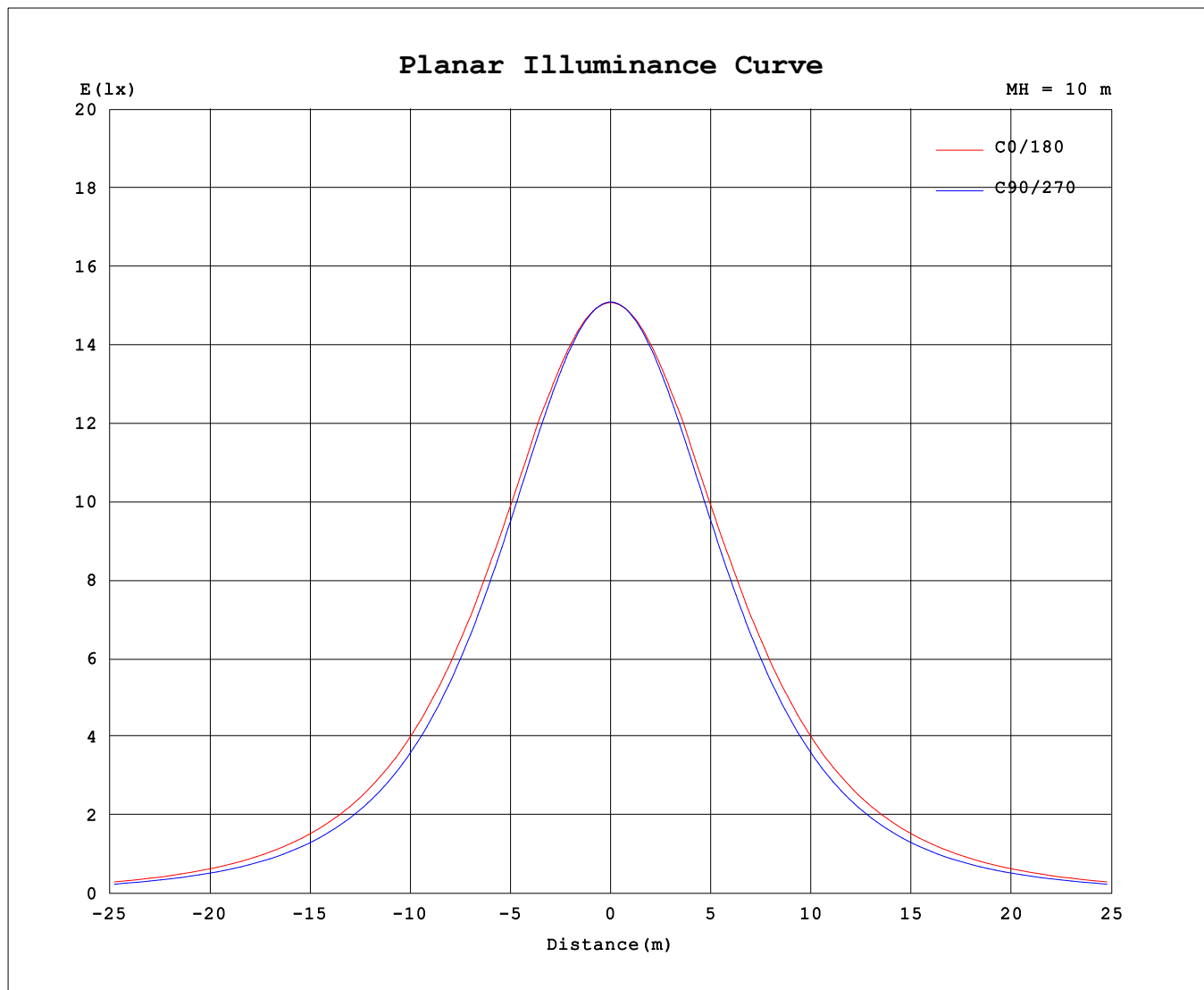
AvgL	cd/m2
L_0~180 (65) av	13408
L_0~180 (75) av	12009
L_0~180 (85) av	7342
L_90~270 (65) av	10977
L_90~270 (75) av	9454
L_90~270 (85) av	5899
L_45 (65) av	12051
L_45 (75) av	10547
L_45 (85) av	6572

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 25.2°C
Operators: Alan Wang
Test Date: 2026-02-11

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity: 48.4%
Test Distance: 1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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	1508	1507	1508	1508	1509	1509	1509	1509	1509	1508	1508	1507	1508	1507	1508	1508	1509	1509	1509
5	1504	1503	1503	1503	1503	1503	1503	1503	1503	1503	1503	1503	1504	1503	1503	1503	1503	1503	1503
10	1491	1490	1489	1487	1485	1484	1483	1484	1485	1487	1489	1490	1491	1490	1489	1487	1485	1484	1483
15	1470	1468	1464	1460	1455	1452	1451	1452	1455	1460	1464	1468	1470	1468	1464	1460	1455	1452	1451
20	1444	1439	1432	1422	1414	1408	1406	1408	1414	1422	1432	1439	1444	1439	1432	1422	1414	1408	1406
25	1398	1394	1387	1376	1361	1352	1349	1352	1361	1376	1387	1394	1398	1394	1387	1376	1361	1352	1349
30	1349	1344	1330	1315	1296	1285	1280	1285	1296	1315	1330	1344	1349	1344	1330	1315	1296	1285	1280
35	1287	1281	1265	1242	1223	1207	1201	1207	1223	1242	1265	1281	1287	1281	1265	1242	1223	1207	1201
40	1215	1209	1188	1162	1138	1119	1113	1119	1138	1162	1188	1209	1215	1209	1188	1162	1138	1119	1113
45	1131	1122	1100	1070	1041	1021	1015	1021	1041	1070	1100	1122	1131	1122	1100	1070	1041	1021	1015
50	1038	1026	999	968	936	916	908	916	936	968	999	1026	1038	1026	999	968	936	916	908
55	927	916	890	854	823	802	794	802	823	854	890	916	927	916	890	854	823	802	794
60	804	794	766	732	701	680	673	680	701	732	766	794	804	794	766	732	701	680	673
65	668	657	632	600	572	553	547	553	572	600	632	657	668	657	632	600	572	553	547
70	521	512	489	462	438	423	417	423	438	462	489	512	521	512	489	462	438	423	417
75	366	360	342	322	304	292	288	292	304	322	342	360	366	360	342	322	304	292	288
80	212	209	198	186	175	168	166	168	175	186	198	209	212	209	198	186	175	168	166
85	75.4	75.4	71.6	67.5	63.6	61.4	60.6	61.4	63.6	67.5	71.6	75.4	75.4	71.6	67.5	63.6	61.4	60.6	60.6
90	1.56	2.47	2.37	2.40	2.00	2.12	2.20	2.12	2.00	2.40	2.37	2.47	1.56	2.47	2.37	2.40	2.00	2.12	2.20
95	0.22	0.25	0.43	0.53	0.56	0.58	0.60	0.58	0.56	0.53	0.43	0.25	0.22	0.25	0.43	0.53	0.56	0.58	0.60
100	0.40	0.46	0.65	0.69	0.73	0.74	0.77	0.74	0.73	0.69	0.65	0.46	0.40	0.46	0.65	0.69	0.73	0.74	0.77
105	0.50	0.59	0.80	0.86	0.88	0.87	0.91	0.87	0.88	0.86	0.80	0.59	0.50	0.59	0.80	0.86	0.88	0.87	0.91
110	0.58	0.70	0.91	0.97	1.00	1.01	1.00	1.01	1.00	0.97	0.91	0.70	0.58	0.70	0.91	0.97	1.00	1.01	1.00
115	0.64	0.81	1.01	1.08	1.11	1.13	1.13	1.13	1.11	1.08	1.01	0.81	0.64	0.81	1.01	1.08	1.11	1.13	1.13
120	0.74	0.89	1.08	1.16	1.21	1.23	1.22	1.23	1.21	1.16	1.08	0.89	0.74	0.89	1.08	1.16	1.21	1.23	1.22
125	0.87	1.04	1.17	1.24	1.31	1.34	1.31	1.34	1.31	1.24	1.17	1.04	0.87	1.04	1.17	1.24	1.31	1.34	1.31
130	1.10	1.25	1.39	1.44	1.51	1.57	1.54	1.57	1.51	1.44	1.39	1.25	1.10	1.25	1.39	1.44	1.51	1.57	1.54
135	1.36	1.48	1.65	1.71	1.76	1.85	1.84	1.85	1.76	1.71	1.65	1.48	1.36	1.48	1.65	1.71	1.76	1.85	1.84
140	1.71	1.80	2.00	2.07	2.12	2.22	2.24	2.22	2.12	2.07	2.00	1.80	1.71	1.80	2.00	2.07	2.12	2.22	2.24
145	2.09	2.14	2.34	2.47	2.55	2.63	2.68	2.63	2.55	2.47	2.34	2.14	2.09	2.14	2.34	2.47	2.55	2.63	2.68
150	2.39	2.42	2.59	2.76	2.89	2.97	3.04	2.97	2.89	2.76	2.59	2.42	2.39	2.42	2.59	2.76	2.89	2.97	3.04
155	2.60	2.64	2.75	2.94	3.10	3.20	3.29	3.20	3.10	2.94	2.75	2.64	2.60	2.64	2.75	2.94	3.10	3.20	3.29
160	2.70	2.75	2.83	2.95	3.15	3.30	3.37	3.30	3.15	2.95	2.83	2.75	2.70	2.75	2.83	2.95	3.15	3.30	3.37
165	2.75	2.81	2.85	2.97	3.12	3.27	3.30	3.27	3.12	2.97	2.85	2.81	2.75	2.81	2.85	2.97	3.12	3.27	3.30
170	2.80	2.85	2.89	2.96	3.08	3.18	3.21	3.18	3.08	2.96	2.89	2.85	2.80	2.85	2.89	2.96	3.08	3.18	3.21
175	2.80	2.86	2.90	2.95	3.05	3.12	3.13	3.12	3.05	2.95	2.90	2.86	2.80	2.86	2.90	2.95	3.05	3.12	3.13
180	2.84	2.88	2.93	2.97	3.05	3.15	3.19	3.15	3.05	2.97	2.93	2.88	2.84	2.88	2.93	2.97	3.05	3.15	3.19

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%-4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.06V I:0.3233A P:38.521W PF:0.9925 Freq:60.01Hz Lamp Flux:4590.56x1 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	1509	1509	1508	1508	1507													
5	1503	1503	1503	1503	1503													
10	1484	1485	1487	1489	1490													
15	1452	1455	1460	1464	1468													
20	1408	1414	1422	1432	1439													
25	1352	1361	1376	1387	1394													
30	1285	1296	1315	1330	1344													
35	1207	1223	1242	1265	1281													
40	1119	1138	1162	1188	1209													
45	1021	1041	1070	1100	1122													
50	916	936	968	999	1026													
55	802	823	854	890	916													
60	680	701	732	766	794													
65	553	572	600	632	657													
70	423	438	462	489	512													
75	292	304	322	342	360													
80	168	175	186	198	209													
85	61.4	63.6	67.5	71.6	75.4													
90	2.12	2.00	2.40	2.37	2.47													
95	0.58	0.56	0.53	0.43	0.25													
100	0.74	0.73	0.69	0.65	0.46													
105	0.87	0.88	0.86	0.80	0.59													
110	1.01	1.00	0.97	0.91	0.70													
115	1.13	1.11	1.08	1.01	0.81													
120	1.23	1.21	1.16	1.08	0.89													
125	1.34	1.31	1.24	1.17	1.04													
130	1.57	1.51	1.44	1.39	1.25													
135	1.85	1.76	1.71	1.65	1.48													
140	2.22	2.12	2.07	2.00	1.80													
145	2.63	2.55	2.47	2.34	2.14													
150	2.97	2.89	2.76	2.59	2.42													
155	3.20	3.10	2.94	2.75	2.64													
160	3.30	3.15	2.95	2.83	2.75													
165	3.27	3.12	2.97	2.85	2.81													
170	3.18	3.08	2.96	2.89	2.85													
175	3.12	3.05	2.95	2.90	2.86													
180	3.15	3.05	2.97	2.93	2.88													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.2℃
Operators:Alan Wang
Test Date:2026-02-11

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.459
Humidity:48.4%
Test Distance:1.900m [K=1.0851]
Remarks: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_80%_4000: