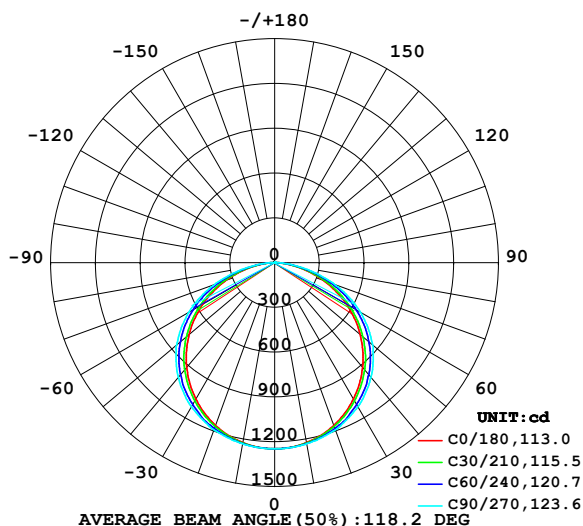


LUMINAIRE PHOTOMETRIC TEST REPORT

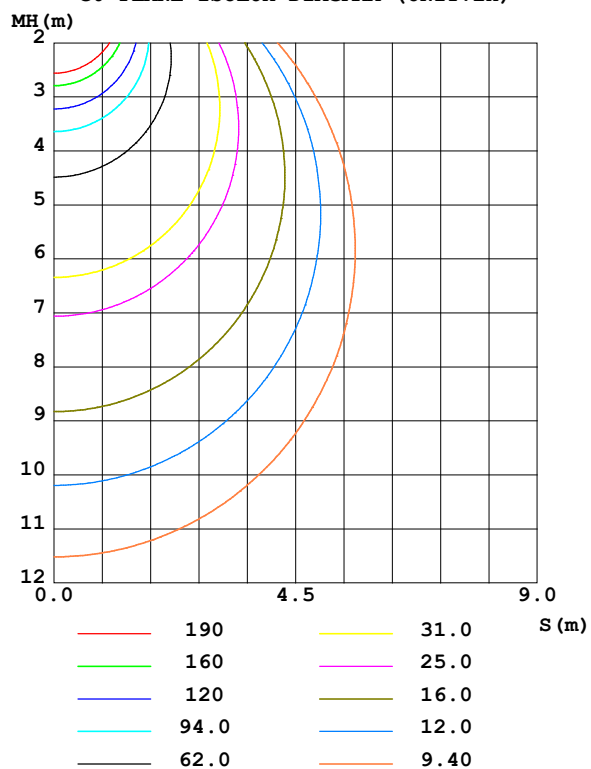
Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 126.13 lm/W			
MODEL		Imax (cd)	1247	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)	3785.2	η UP,DN(C0-180)	0.1,49.9
NOMINAL FLUX(lm)	3785.24	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: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_60%-4000K

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

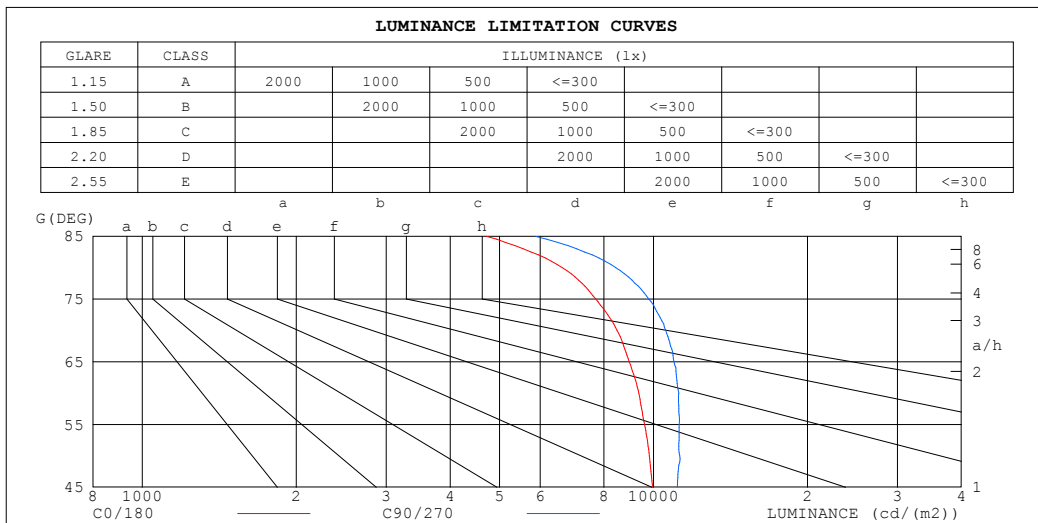
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1225	1229	1233	1229	1225	1229	1233	1229	0- 10	118.2	118.2	3.12,3.12
20	1160	1175	1193	1175	1160	1175	1193	1175	10- 20	340.7	458.9	12.1,12.1
30	1056	1088	1115	1088	1056	1088	1115	1088	20- 30	523.2	982.1	25.9,25.9
40	916.9	958.0	1004	958.0	916.9	958.0	1004	958.0	30- 40	642.5	1625	42.9,42.9
50	748.6	798.9	858.5	798.9	748.6	798.9	858.5	798.9	40- 50	681.8	2306	60.9,60.9
60	555.0	602.7	665.0	602.7	555.0	602.7	665.0	602.7	50- 60	631.1	2938	77.6,77.6
70	344.5	381.0	428.7	381.0	344.5	381.0	428.7	381.0	60- 70	491.4	3429	90.6,90.6
80	136.7	152.1	173.9	152.1	136.7	152.1	173.9	152.1	70- 80	281.9	3711	98,98
90	2.991	2.249	2.292	2.249	2.991	2.249	2.292	2.249	80- 90	67.31	3778	99.8,99.8
100	0.6431	0.5415	0.2904	0.5415	0.6431	0.5415	0.2904	0.5415	90-100	0.5645	3779	99.8,99.8
110	0.7868	0.7505	0.4378	0.7505	0.7868	0.7505	0.4378	0.7505	100-110	0.6360	3779	99.8,99.8
120	0.9887	0.9249	0.5864	0.9249	0.9887	0.9249	0.5864	0.9249	110-120	0.7727	3780	99.9,99.9
130	1.261	1.169	0.8874	1.169	1.261	1.169	0.8874	1.169	120-130	0.8766	3781	99.9,99.9
140	1.794	1.664	1.381	1.664	1.794	1.664	1.381	1.664	130-140	1.051	3782	99.9,99.9
150	2.435	2.198	1.931	2.198	2.435	2.198	1.931	2.198	140-150	1.193	3783	99.9,99.9
160	2.609	2.306	2.168	2.306	2.609	2.306	2.168	2.306	150-160	1.066	3784	100,100
170	2.466	2.304	2.227	2.304	2.466	2.304	2.227	2.304	160-170	0.6622	3785	100,100
180	2.539	2.354	2.266	2.354	2.539	2.354	2.266	2.354	170-180	0.2231	3785	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_60%_4000:

LUMINANCE LIMITATION CURVES

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	4713	5877
80	6633	8439
75	7708	9790
70	8486	10559
65	8965	10969
60	9352	11204
55	9601	11228
50	9811	11252
45	9963	11129

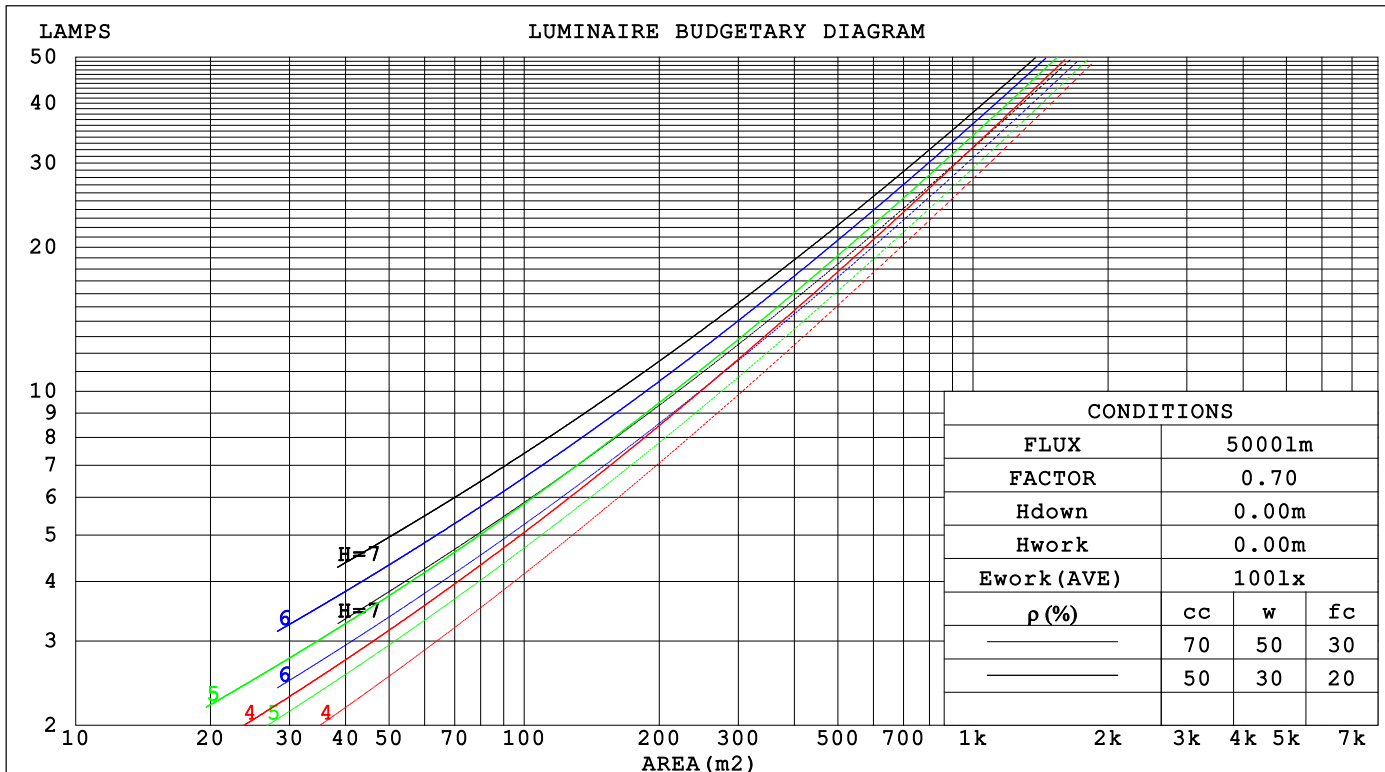
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_60%_4000K

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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:25.7°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_60%_4000K

WEC AND CCEC

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	.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_60%_4000:

UGR(Unified Glare Rating) Table

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm										
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	20.7	22.2	21.0	22.4	22.7	21.5	23.0	21.8	23.2	23.4
3H	22.2	23.6	22.5	23.8	24.1	23.2	24.6	23.5	24.9	25.1
4H	22.8	24.1	23.1	24.4	24.6	23.9	25.2	24.2	25.5	25.7
6H	23.1	24.4	23.5	24.7	25.0	24.3	25.6	24.6	25.9	26.1
8H	23.2	24.5	23.6	24.8	25.1	24.4	25.7	24.8	25.9	26.2
12H	23.3	24.5	23.6	24.8	25.1	24.5	25.7	24.8	26.0	26.3
4H 2H	21.4	22.8	21.7	23.0	23.3	22.0	23.4	22.4	23.6	23.9
3H	23.1	24.3	23.4	24.6	24.9	23.9	25.1	24.3	25.4	25.7
4H	23.8	24.8	24.1	25.2	25.5	24.7	25.8	25.1	26.1	26.5
6H	24.3	25.2	24.7	25.6	25.9	25.3	26.3	25.7	26.6	27.0
8H	24.4	25.3	24.8	25.7	26.1	25.5	26.4	25.9	26.7	27.1
12H	24.5	25.3	24.9	25.7	26.1	25.5	26.4	26.0	26.8	27.2
8H 4H	24.1	25.0	24.5	25.4	25.7	24.9	25.8	25.3	26.2	26.6
6H	24.7	25.5	25.2	25.9	26.3	25.6	26.4	26.1	26.8	27.2
8H	24.9	25.6	25.4	26.0	26.5	25.9	26.5	26.3	27.0	27.4
12H	25.0	25.6	25.5	26.1	26.5	26.0	26.6	26.5	27.1	27.5
12H 4H	24.1	24.9	24.5	25.3	25.7	24.9	25.7	25.4	26.1	26.5
6H	24.8	25.4	25.2	25.9	26.3	25.7	26.3	26.1	26.8	27.2
8H	25.0	25.6	25.5	26.0	26.5	25.9	26.5	26.4	27.0	27.5
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, 3785 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.6)
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_60%_4000K

UTILIZATION FACTORS TABLE

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

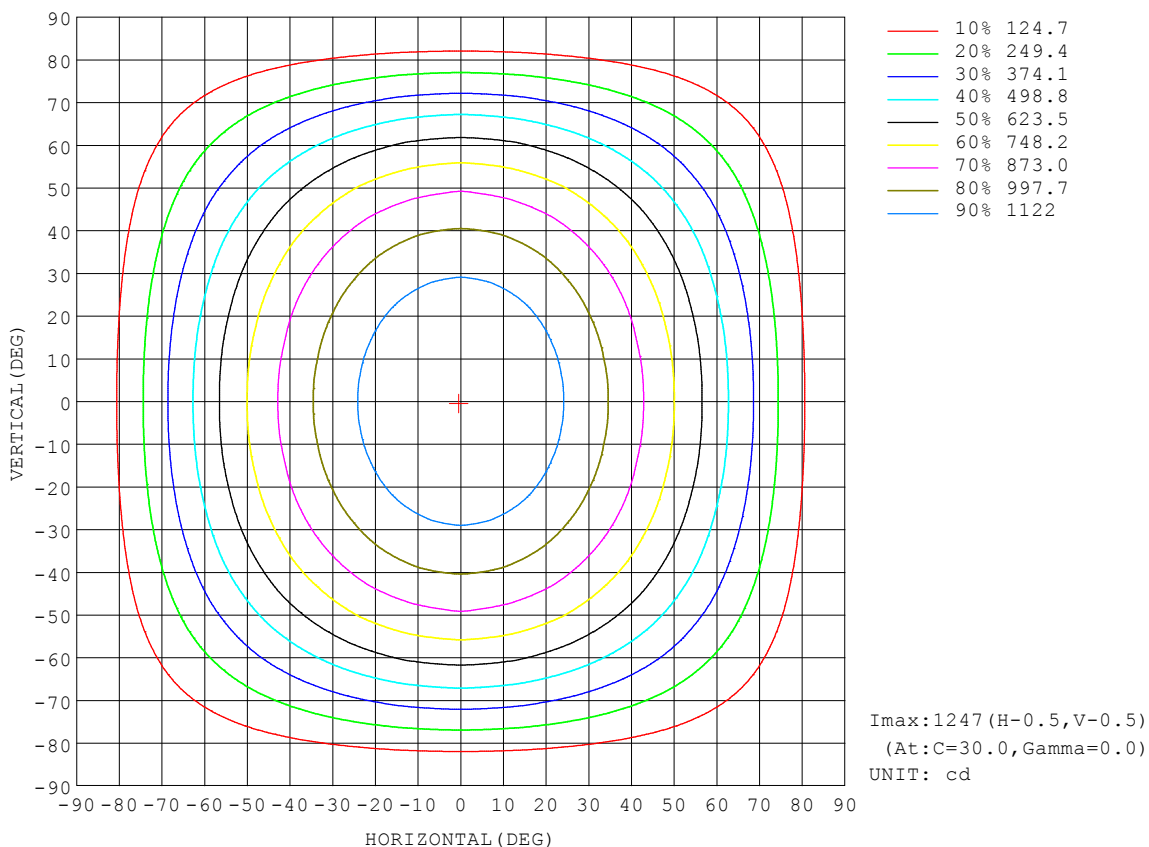
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	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_60%_4000K

ISOCANDELA DIAGRAM

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

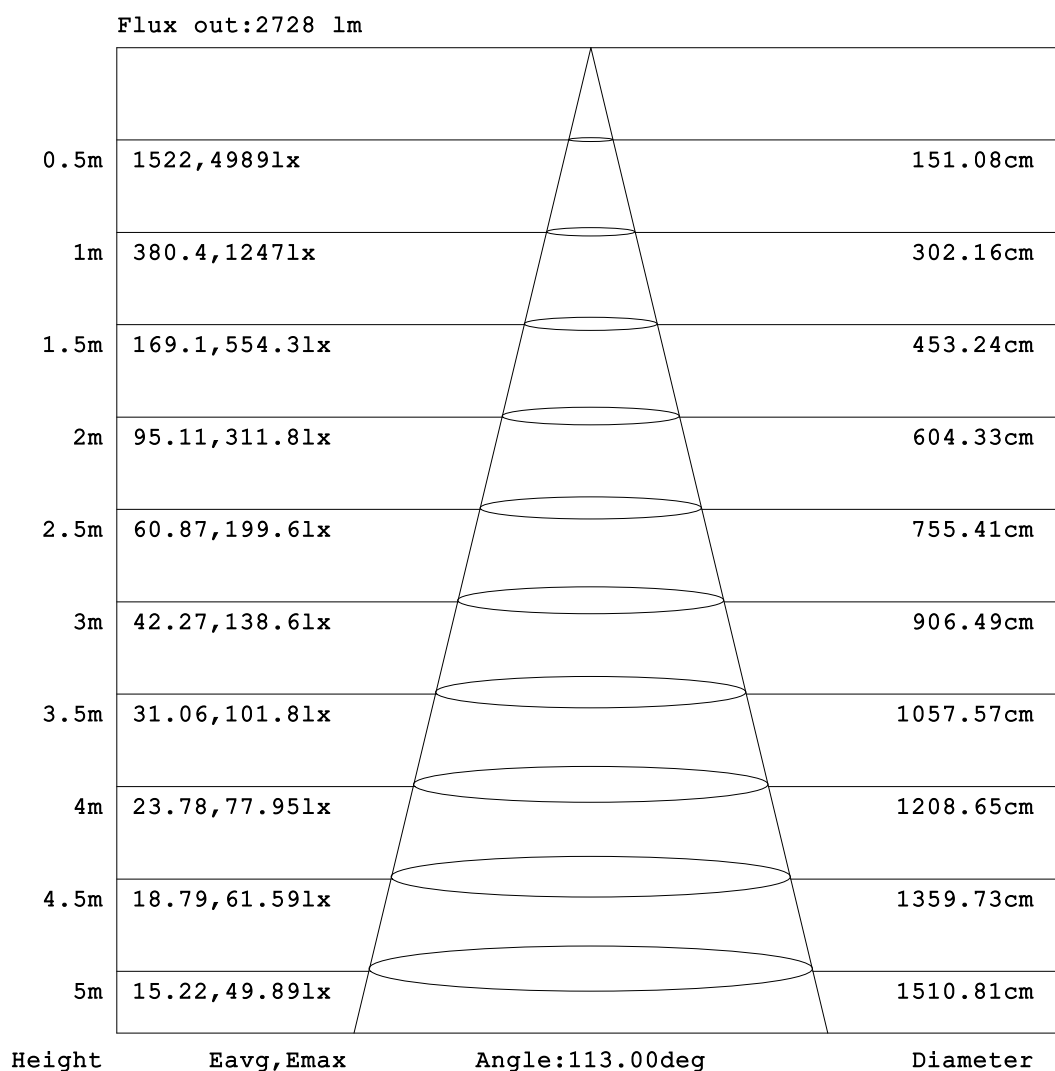


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_60%_4000K

AAI Figure

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

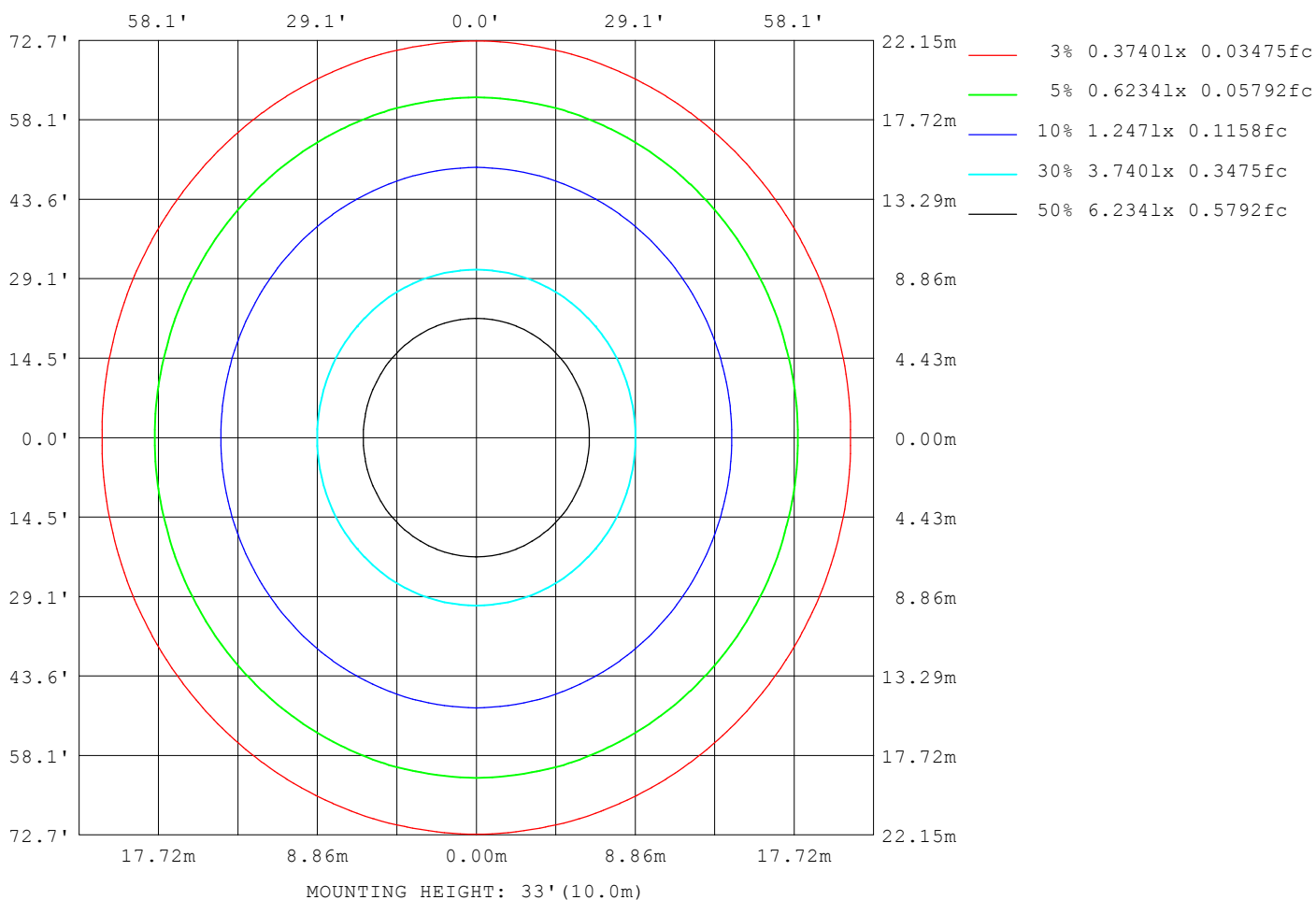


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:25.7°C
Operators:Alan Wang
Test Date:2026-04-30

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_60%_4000K

ISOLUX DIAGRAM

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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_60%_4000K

LED Avg.L Report

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ETi Solid State lighting, Inc.	SUR.:	Shielding Angle:

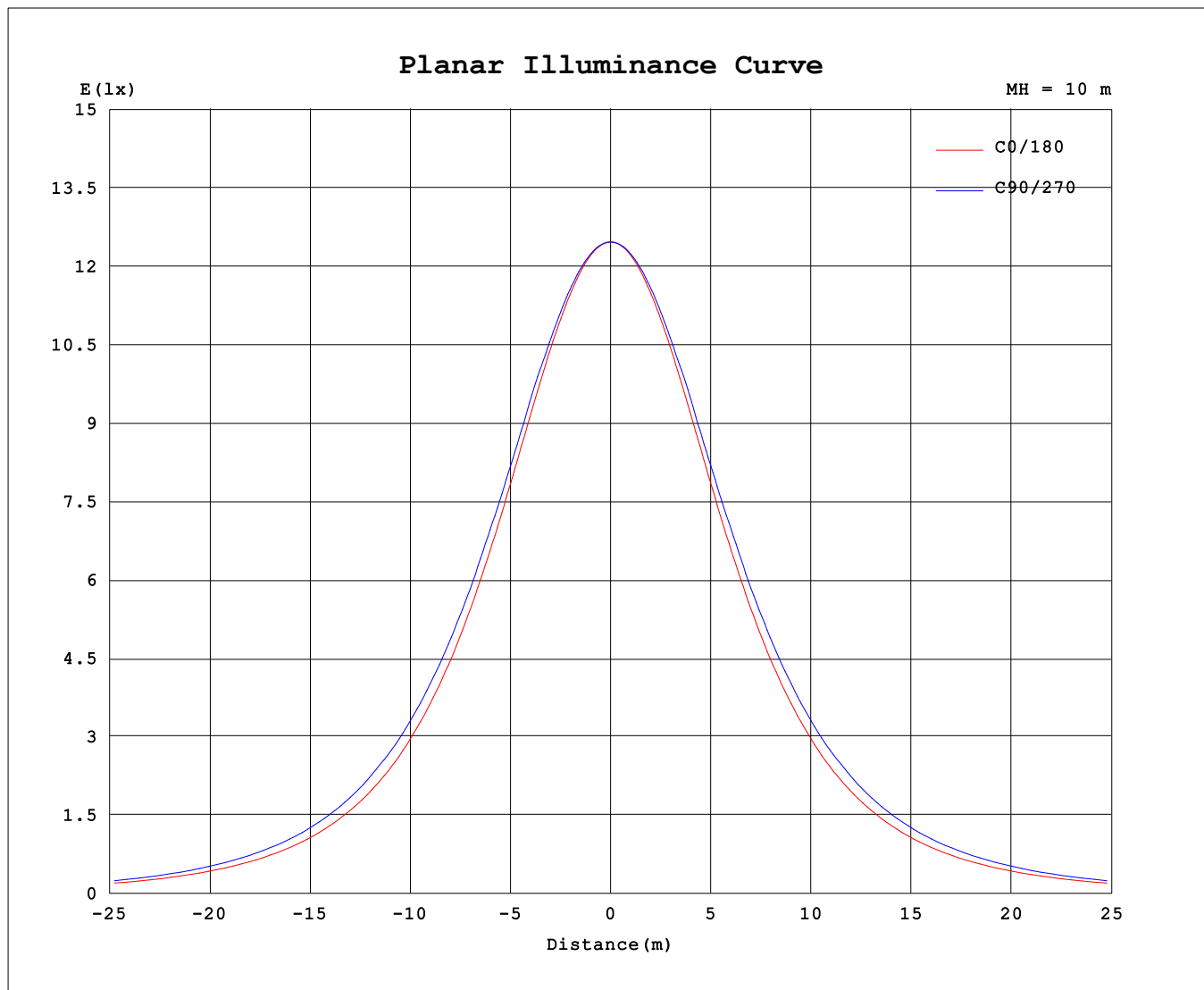
AvgL	cd/m2
L_0~180 (65) av	8965
L_0~180 (75) av	7708
L_0~180 (85) av	4713
L_90~270 (65) av	10969
L_90~270 (75) av	9790
L_90~270 (85) av	5877
L_45 (65) av	9854
L_45 (75) av	8611
L_45 (85) av	5234

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_60%_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_60%_4000:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%-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	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247	1247
5	1241	1242	1242	1243	1243	1243	1243	1243	1243	1243	1242	1242	1241	1242	1242	1243	1243	1243	1243
10	1225	1226	1227	1229	1231	1232	1233	1232	1231	1229	1227	1226	1225	1226	1227	1229	1231	1232	1233
15	1198	1199	1202	1206	1211	1214	1215	1214	1211	1206	1202	1199	1198	1199	1202	1206	1211	1214	1215
20	1160	1163	1168	1175	1182	1189	1193	1189	1182	1175	1168	1163	1160	1163	1168	1175	1182	1189	1193
25	1113	1116	1123	1134	1148	1152	1155	1152	1148	1134	1123	1116	1113	1116	1123	1134	1148	1152	1155
30	1056	1060	1070	1088	1099	1110	1115	1110	1099	1088	1070	1060	1056	1060	1070	1088	1099	1110	1115
35	991	995	1008	1025	1046	1058	1063	1058	1046	1025	1008	995	991	995	1008	1025	1046	1058	1063
40	917	923	939	958	980	998	1004	998	980	958	939	923	917	923	939	958	980	998	1004
45	836	842	860	882	907	927	934	927	907	882	860	842	836	842	860	882	907	927	934
50	749	755	772	799	824	850	859	850	824	799	772	755	749	755	772	799	824	850	859
55	654	661	678	704	734	755	764	755	734	704	678	661	654	661	678	704	734	755	764
60	555	560	578	603	631	654	665	654	631	603	578	560	555	560	578	603	631	654	665
65	450	456	472	494	520	543	550	543	520	494	472	456	450	456	472	494	520	543	550
70	345	348	361	381	403	421	429	421	403	381	361	348	345	348	361	381	403	421	429
75	237	241	250	265	281	295	301	295	281	265	250	241	237	241	250	265	281	295	301
80	137	138	144	152	162	170	174	170	162	152	144	138	137	138	144	152	162	170	174
85	48.8	49.7	51.4	54.1	57.4	59.8	60.8	59.8	57.4	54.1	51.4	49.7	48.8	49.7	51.4	54.1	57.4	59.8	60.8
90	2.99	2.43	2.27	2.25	2.15	2.10	2.29	2.10	2.15	2.25	2.27	2.43	2.99	2.43	2.27	2.25	2.15	2.10	2.29
95	0.52	0.51	0.48	0.44	0.35	0.20	0.18	0.20	0.35	0.44	0.48	0.51	0.52	0.51	0.48	0.44	0.35	0.20	0.18
100	0.64	0.62	0.60	0.54	0.49	0.34	0.29	0.34	0.49	0.54	0.60	0.62	0.64	0.62	0.60	0.54	0.49	0.34	0.29
105	0.72	0.69	0.69	0.66	0.59	0.43	0.37	0.43	0.59	0.66	0.69	0.69	0.72	0.69	0.69	0.66	0.59	0.43	0.37
110	0.79	0.80	0.78	0.75	0.68	0.51	0.44	0.51	0.68	0.75	0.78	0.80	0.79	0.80	0.78	0.75	0.68	0.51	0.44
115	0.90	0.90	0.88	0.84	0.77	0.60	0.50	0.60	0.77	0.84	0.88	0.90	0.90	0.90	0.88	0.84	0.77	0.60	0.50
120	0.99	0.99	0.97	0.92	0.84	0.68	0.59	0.68	0.84	0.92	0.97	0.99	0.99	0.99	0.97	0.92	0.84	0.68	0.59
125	1.07	1.09	1.06	1.00	0.93	0.81	0.70	0.81	0.93	1.00	1.06	1.09	1.07	1.09	1.06	1.00	0.93	0.81	0.70
130	1.26	1.29	1.24	1.17	1.11	0.97	0.89	0.97	1.11	1.17	1.24	1.29	1.26	1.29	1.24	1.17	1.11	0.97	0.89
135	1.49	1.51	1.43	1.38	1.31	1.16	1.10	1.16	1.31	1.38	1.43	1.51	1.49	1.51	1.43	1.38	1.31	1.16	1.10
140	1.79	1.80	1.72	1.66	1.58	1.42	1.38	1.42	1.58	1.66	1.72	1.80	1.79	1.80	1.72	1.66	1.58	1.42	1.38
145	2.13	2.11	2.08	1.96	1.82	1.70	1.67	1.70	1.82	1.96	2.08	2.11	2.13	2.11	2.08	1.96	1.82	1.70	1.67
150	2.44	2.39	2.32	2.20	2.03	1.95	1.93	1.95	2.03	2.20	2.32	2.39	2.44	2.39	2.32	2.20	2.03	1.95	1.93
155	2.60	2.54	2.45	2.34	2.15	2.12	2.10	2.12	2.15	2.34	2.45	2.54	2.60	2.54	2.45	2.34	2.15	2.12	2.10
160	2.61	2.56	2.44	2.31	2.25	2.19	2.17	2.19	2.25	2.31	2.44	2.56	2.61	2.56	2.44	2.31	2.25	2.19	2.17
165	2.53	2.48	2.38	2.29	2.23	2.21	2.19	2.21	2.23	2.29	2.38	2.48	2.53	2.48	2.38	2.29	2.23	2.21	2.19
170	2.47	2.45	2.38	2.30	2.26	2.24	2.23	2.24	2.26	2.30	2.38	2.45	2.47	2.45	2.38	2.30	2.26	2.24	2.23
175	2.43	2.44	2.38	2.32	2.28	2.26	2.24	2.26	2.28	2.32	2.38	2.44	2.43	2.44	2.38	2.32	2.28	2.26	2.24
180	2.54	2.48	2.41	2.35	2.32	2.28	2.27	2.28	2.32	2.35	2.41	2.48	2.54	2.48	2.41	2.35	2.32	2.28	2.27

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_60%-4000K

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.96V I:0.2519A P:30.011W PF:0.9930 Freq:60.01Hz Lamp Flux:3785.24x1 lm		
NAME: VLTG-4S-4-WH-VL3-VT4-DW-UNV-D01-T_60%_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	1247	1247	1247	1247	1247													
5	1243	1243	1243	1242	1242													
10	1232	1231	1229	1227	1226													
15	1214	1211	1206	1202	1199													
20	1189	1182	1175	1168	1163													
25	1152	1148	1134	1123	1116													
30	1110	1099	1088	1070	1060													
35	1058	1046	1025	1008	995													
40	998	980	958	939	923													
45	927	907	882	860	842													
50	850	824	799	772	755													
55	755	734	704	678	661													
60	654	631	603	578	560													
65	543	520	494	472	456													
70	421	403	381	361	348													
75	295	281	265	250	241													
80	170	162	152	144	138													
85	59.8	57.4	54.1	51.4	49.7													
90	2.10	2.15	2.25	2.27	2.43													
95	0.20	0.35	0.44	0.48	0.51													
100	0.34	0.49	0.54	0.60	0.62													
105	0.43	0.59	0.66	0.69	0.69													
110	0.51	0.68	0.75	0.78	0.80													
115	0.60	0.77	0.84	0.88	0.90													
120	0.68	0.84	0.92	0.97	0.99													
125	0.81	0.93	1.00	1.06	1.09													
130	0.97	1.11	1.17	1.24	1.29													
135	1.16	1.31	1.38	1.43	1.51													
140	1.42	1.58	1.66	1.72	1.80													
145	1.70	1.82	1.96	2.08	2.11													
150	1.95	2.03	2.20	2.32	2.39													
155	2.12	2.15	2.34	2.45	2.54													
160	2.19	2.25	2.31	2.44	2.56													
165	2.21	2.23	2.29	2.38	2.48													
170	2.24	2.26	2.30	2.38	2.45													
175	2.26	2.28	2.32	2.38	2.44													
180	2.28	2.32	2.35	2.41	2.48													

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_60%_4000: